# Spine Fellowship Full Technical Report

ABPTRFE
American Board of Physical Therapy Residency & Fellowship Education

## Practice Analysis Team Members

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## Survey Procedures

The practice analysis team established a list of 50 physical therapists who were considered subject matter experts in spine physical therapy to complete the pilot survey. Of those surveyed, 31 answered the survey, three were disqualified as they were not actively involved in spine physical therapy, which resulted in 28 complete responses to the pilot survey.

The full practice analysis survey was sent to all physical therapist members of the Academy of Orthopaedic Physical Therapy and the American Academy of Sports Physical Therapy. In total, 23,511 individuals were sent the practice analysis survey. Of these individuals, 17,558 opened the survey and 368 email addresses bounced. Of the individuals who opened the survey, 291 completed the survey with an additional 919 partial responses. Appendix 1 outlines the demographic data of survey respondents.

## Pilot Survey

A copy of the pilot survey is provided within Appendix 2. The description of responses from the pilot survey is provided within Appendix 3. Please review Appendix 4 for a description of changes made to the pilot survey with the team's rationale for the changes.

## Practice Analysis Survey

*Description of the Final Survey*

The final survey consisted of 199 questions related to orthopedic spine practice (Appendix 5) and 21 demographic questions regarding education, training, and practice experience of respondents. The content areas covered in the survey were (1) Knowledge Areas; (2) Professional Roles, Responsibilities, and Values; (3) Practice Expectations; and (4) Medical Conditions. The Knowledge Areas section of the survey included the subject areas of Foundation Sciences, Clinical Sciences, and Behavioral Sciences. The Professional Roles, Responsibilities, and Values section covered professional behavior, leadership, communication, advocacy, education, and critical inquiry for evidence. The Practice Expectations section included history taking, interpreting data from the history, systems review, tests and measures, evaluation, diagnosis, prognosis, intervention, re-assessment/re-evaluation, and outcomes assessment. The Medical Conditions section included conditions of the nervous system and musculoskeletal system relevant to orthopaedic spine physical therapy practice. Questions in the survey reflected knowledge or skills pertinent to practice. Respondents rated each knowledge or skill item on its importance, frequency of use, and level of judgment or mastery required. The raw data is provided within Appendix 6.

*Data Cleaning and Screening*

Survey data analysis included steps to ensure the integrity and appropriateness of the final data. Response data was screened for out-of-range values (i.e., values outside of the response range or other than the response options given), responses from those who were ineligible to participate, and abnormal response behaviors (e.g., flat responding). Survey attrition was assessed by summing the number of questions not answered for each participant. Of the 1,090 eligible individuals who started the survey, 450 exited the survey after answering the first question. The bulk of these individuals were eligible to complete the survey (n = 450) but did not do so. Of the remaining 640 respondents, 244 (38%) completed more than half of the survey, and 210 (33%) completed more than 90% of the survey. Table 1 provides participant counts by percent of the survey completed. This includes skipped questions, although there was a general dropout trend evidenced by the generally successive lower number of responses to each successive question in the survey (Appendix 7). Survey dropout is common and tends to increase with the length of a survey (e.g., Lozar Manfreda & Vehovar, 2002).

**Table 1. Survey Response Counts by Percentage of Survey Completed**

| > 90% | 76% - 90% | 51% - 75% | 26% - 50% | 10% - 25% | < 10% |
|---|---|---|---|---|---|
| 210 | 6 | 28 | 127 | 153 | 118 |

*Note.* The numbers here include only respondents who answered more than the first survey question.

*Description of the Final Survey Data for Analyses*

ABPTS requires representative random samples of both board-certified specialists and section members. Board-certified specialists will be limited to those with certification in Orthopaedics, Geriatrics, Pediatrics, Sports, and Women's Health. This sample was selected given the Orthopaedic Spine specialty area focuses on orthopedic spine conditions across the lifespan (e.g., geriatrics and pediatrics) and in diverse populations (e.g., women and athletes). In most cases, surveys should be fielded to 95% of certified specialists and an equivalent number of non-certified section members. For the larger specialty areas, ABPTS recommends that the survey be fielded to no fewer than eight hundred (800) individuals from varied geographic and demographic populations.

Table 2 presents descriptive demographic information about the final sample of survey respondents. Most respondents did not respond to the demographic questions. The table shows frequencies and percentages for all 640 respondents. Of the survey respondents, 80% were ABPTS board-certified clinical specialists in orthopaedic or sports physical therapy or were graduates of an ABPTRFE-accredited orthopaedic or sports

residency program and had a minimum of 1,000 hours in orthopaedic spine practice in the last two years. The remaining 20% of respondents were not board-certified or residency graduates but were members of the APTA Academy of Orthopaedic Physical Therapy or Academy of Sports Physical Therapy and had a minimum of 5 years of orthopaedic spine practice with at least 1,000 hours in the last two years.

As shown in Table 2, of the 223 respondents who answered the demographic questions, 81% were non-Hispanic white, 61% were male, and the most endorsed age group was 30-to-39 (34%). The same number of individuals responded to the set of questions about their background and experience. Of the 233 respondents who answered the background and experience questions, 184 (83%) were APTA members. One hundred fifty-nine respondents (or 71% of those who answered the demographic questions) reported they had been practicing in orthopaedic spine physical therapy for at least 10 years.

**Table 2. Demographic Descriptive Statistics of Survey Respondents**

| *Race/ethnicity* | *N* | % |
|---|---|---|
| African American or Black (Not Hispanic) | 6 | 0.9 |
| Asian | 23 | 3.6 |
| Hispanic/Latino | 3 | 0.5 |
| Other | 9 | 1.4 |
| White (Not Hispanic) | 180 | 28.0 |
| None Selected | 419 | 65.5 |
| *Gender* | *N* | % |
| Male | 136 | 21.2 |
| Female | 87 | 13.6 |
| None Selected | 417 | 65.2 |
| *Age group* | *N* | % |
| 20-29 | 7 | 1.1 |
| 30-39 | 76 | 11.8 |
| 40-49 | 61 | 9.5 |
| 50-59 | 53 | 8.3 |
| 60-69 | 21 | 3.3 |
| 70+ | 5 | 0.8 |
| None Selected | 417 | 65.2 |

| *Professional Background* | *N* | % |
|---|---|---|
| Graduate of ABPTRFE-accredited orthopaedic or sports residency program with minimum of 1,000 practice hours in orthopaedic spine in the last 2 years. | 46 | 7.2 |
| ABPTS board-certified clinical specialist in orthopaedic or sports physical therapy with a minimum of 1,000 practice hours in orthopaedic spine in the last two years. | 472 | 73.8 |
| Not a board-certified clinical specialist or residency graduate, but a member of the APTA Academy of Orthopaedic Physical Therapy or Academy of Sports Physical Therapy with a minimum of 5 years of experience in orthopaedic spine, with at least 1,000 practice hours in the last two years. | 122 | 19.0 |
| *APTA Membership* | *N* | % |
| Yes | 184 | 28.8 |
| No | 38 | 5.9 |
| None Selected | 418 | 65.3 |
| *Total Number of Years Practicing Physical Therapy* | *N* | % |
| 31 or more years | 41 | 6.4 |
| 21 - 30 years | 57 | 8.9 |
| 16 - 20 years | 24 | 3.8 |
| 11 - 15 years | 37 | 5.8 |
| 6 - 10 years | 44 | 6.9 |
| 3 - 5 years | 17 | 2.7 |
| 1 - 2 years | 4 | 0.6 |
| None Selected | 416 | 65.0 |
| *Entry-level Physical Therapy Education* | *N* | % |
| Baccalaureate | 48 | 7.5 |
| Postbaccalaureate certificate | 5 | 0.8 |
| Entry-level master's | 46 | 7.2 |
| DPT | 121 | 18.9 |
| Other (please specify) | 3 | 10.0 |

| | | |
|---|---|---|
| None Selected | 417 | 65.2 |

| *Primary geographic area of practice* | *N* | % |
|---|---|---|
| East North Central (IL, IN, MI, OH, WI) | 24 | 3.8 |
| East South Central (AL, KY, MS, TN) | 7 | 1.1 |
| Middle Atlantic (NJ, NY, PA) | 40 | 6.3 |
| Mountain (AZ, CO, ID, MT, NV, NM, UT, WY) | 21 | 3.3 |
| New England (CT, ME, MA, NH, RI, VT) | 13 | 2.0 |
| Pacific (AK, CA, HI, OR, WA) | 34 | 5.3 |
| South Atlantic (DE, DC, FL, GA, MD, NC, PR, SC, VA, WV) | 34 | 5.3 |
| West North Central (IA, KS, MN, MO, NE, ND, SD) | 30 | 4.7 |
| West South Central (AR, LA, OK, TX) | 20 | 3.1 |
| None Selected | 417 | 65.2 |

Table 3 provides descriptive statistics for respondents' practice settings, and patient demographics. On average, respondents spend the greatest amount of time in private outpatient settings or hospital-based outpatient facilities (62.9% and 53%, respectively). Respondents, on average, reported that most of their patients or clients were adults 22 to 59 years of age (49.6%). Sex of patients or clients for respondents generally reflected percentages in the population.

**Table 3. Practice Settings and Patient Demographics for Survey Respondents**

| *Percentage of Time Spent in Treatment Setting* | Mean % | SD % |
|---|---|---|
| Acute Care Hospital | 4.1 | 13.9 |
| Hospital-based outpatient facility or clinic | 53.0 | 46.1 |
| Private outpatient office or group practice | 62.9 | 43.5 |
| Skilled nursing facility (SNF)/long-term care | 1.2 | 10.3 |
| Patient's home/home care | 2.9 | 12.4 |
| School system (preschool/primary/secondary) | 0.2 | 1.1 |
| Academic institution (postsecondary) | 18.1 | 32.5 |
| Health and wellness facility | 3.5 | 15.5 |

| | | |
|---|---|---|
| Research center | 0.8 | 4.7 |
| Industry | 0.9 | 5.4 |
| Inpatient rehab facility (IRF) | 0.4 | 2.3 |
| Other | 9.8 | 26.5 |
| *Age Group of Patients/Clients* | Mean % | SD % |
| Pediatrics (0-21 years of age) | 14.9 | 12.4 |
| Adults (22-59 years of age) | 49.6 | 16.8 |
| Geriatrics (60 years of age to end of life) | 37.6 | 16.4 |
| *Sex of Patients/Clients* | Mean % | SD % |
| Male | 47.7 | 10.6 |
| Female | 51.2 | 10.7 |
| Ambiguous | 3.6 | 10.4 |

*Note*. Mean % = the average percent across respondents. SD % = the standard deviation of the average percent across respondents.

*Analyses and Results*

The survey asked respondents to rate each knowledge or skill item on its importance to orthopaedic spine practice, the frequency with which the knowledge or skill was used in orthopaedic spine practice, and the level of mastery required in applying the knowledge or skill to orthopaedic spine practice. Means and standard deviations were calculated for frequency, importance, and level of judgment/mastery for each survey item. Table 4 provides the rating scales used in the survey and their assigned numerical values. Respondents were presented with the rating scales (e.g., “Moderately important”; “Weekly”) and these were converted to their corresponding numerical values (as shown in Table 4) during analyses. Level of Judgment ratings were used in the first survey section (Knowledge Areas) and Level of Mastery ratings were used in the subsequent survey sections.

**Table 4. Ratings Used to Assess Inclusion of Items as Part of Specialty Practice**

| **Frequency:** How frequently does the orthopaedic spine clinical subspecialist use this knowledge area? |
|---|
| 0 – Never |
| 1 – Less than once a month |
| 2 – Monthly |
| 3 – Weekly |
| 4 - Daily |

| |
|---|
| **Importance:** Regardless of the frequency of occurrence or prevalence, how important is this knowledge area to the practice as an orthopaedic spine clinical subspecialist? |
| 0 – Not important |
| 1 – Of little importance |
| 2 – Moderately important |
| 3 – Very important |
| **Level of Judgment**: Which of the following statements best describes the level of judgment orthopaedic spine clinical subspecialists exercise when they use information from this knowledge area? |
| 0 – Do not use in their work |
| 1 – Recall: requires ability to recall or recognize specific information only |
| 2 – Application: requires ability to comprehend, interpret or apply knowledge to new or changing situations |
| 3 – Analysis: requires ability to analyze information, to put information together to arrive at a solution, and/or to evaluate the usefulness of the solution |
| **Level of Mastery:** Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity? |
| 1 – Advanced beginner |
| 2 – Competent |
| 3 – Proficient |
| 4 – Expert |

Descriptive statistics were used for data analysis. The mean ratings and standard deviations for all respondents were ranked from highest to lowest with regard to frequency, importance, and level of judgment or mastery. For Level of Mastery, analysts recoded the responses to the same numerical scale as Level of Judgment (i.e., 0 to 3) to facilitate comparison across ratings. The difference in ratings between certified and non-certified practitioner responses was evaluated by non-parametric analysis (Wilcoxon signed rank) to test for statistical significance of differences in mean ratings between groups, as well as by calculating the standardized mean difference in ratings (using Cohen's *d*) as an indicator of the magnitude of the difference. The Wilcoxon signed rank test is a test of group differences for ordinal data, as is the case with frequency and importance ratings. While Cohen's *d* is not specifically designed for ordinal data, it provides a valuable estimate of the magnitude of difference in means, given in terms of standard deviations. We compared ratings from respondents who were ABPTS board-certified clinical specialists in orthopaedic or sports physical therapy or were graduates of an ABPTRFE-accredited orthopaedic or sports residency program, and had a minimum of 1,000 hours in orthopaedic spine practice in the last two years with ratings from respondents who were not board-certified or residency graduates (but were members of the APTA Academy of Orthopaedic Physical Therapy or Academy of Sports Physical Therapy and had a minimum of 5 years of orthopaedic spine practice with at least 1,000 hours in the last two years). Overall, xx% of the items were rated differently in

Importance and xx% were rated differently in Frequency by certified versus non-certified practitioners. Of the 41 items in the Knowledge Areas section, there were statistically significant mean differences in three Importance ratings and seven Frequency ratings. Out of the 20 items in the Professional Roles, Responsibilities, and Values section, there were statistically significant mean differences in three Importance ratings and in four Frequency ratings. Of the 102 items in the Practice Expectations section, 20 mean Importance ratings and nine mean Frequency ratings had statistically significant differences. And finally, of the 36 items in the Medical Conditions section, three mean Importance ratings and 13 mean Frequency ratings had statistically significant differences. Tables 5 and 6 lists the items for which the average rating in importance (Table 5) or frequency (Table 6) between certified and non-certified practitioners reached statistical significance.

**Table 5. Items with statistically significant Importance rating differences between certified practitioners and non-certified practitioners**

| Item | Certified Practitioner mean rating | Non-certified Practitioner mean rating | Cohen's *d* |
|---|---|---|---|
| Knowledge Areas | | | |
| Integumentary system | 1.86 | 2.06 | -0.31 |
| Biopsychosocial model | 2.58 | 2.32 | 0.4 |
| Movement systems impairments | 2.70 | 2.86 | -0.31 |
| Professional Roles, Responsibilities, and Values | | | |
| Maintaining active participation in professional organizations | 2.37 | 2.56 | -0.48 |
| Maintaining state-of-the-art knowledge and skills | 2.63 | 2.77 | -0.29 |
| Identifying research needs within the field | 2.32 | 2.58 | -0.56 |
| Practice Expectations | | | |
| Ergonomic considerations | 2.53 | 2.69 | -0.33 |
| Utilization of adaptive and supportive devices | 2.32 | 2.48 | -0.34 |
| Onset of condition | 2.82 | 2.96 | -0.40 |
| Obtaining data regarding medication usage | 2.44 | 2.60 | -0.34 |
| Ergonomics and body mechanics | 2.55 | 2.75 | -0.40 |
| Gait, locomotion, and balance | 2.67 | 2.86 | -0.43 |
| Sensory integrity | 2.58 | 2.74 | -0.34 |
| Reflex integrity | 2.60 | 2.79 | -0.39 |

| | | | |
|---|---|---|---|
| Joint integrity | 2.75 | 2.93 | -0.44 |
| Posture | 2.55 | 2.78 | -0.47 |
| Tissue-specific diagnostic tests | 2.51 | 2.84 | -0.69 |
| Flexibility | 2.50 | 2.76 | -0.54 |
| Soft tissue quality | 2.58 | 2.78 | -0.41 |
| Task-specific activities | 2.67 | 2.86 | -0.42 |
| Ergonomics | 2.49 | 2.69 | -0.42 |
| Soft tissue mobilization | 2.59 | 2.81 | -0.46 |
| Mobilization with movement | 2.49 | 2.79 | -0.61 |
| Muscle energy techniques | 2.38 | 2.71 | -0.70 |
| Directional preference exercises/activities | 2.61 | 2.83 | -0.47 |
| Muscle performance exercises | 2.78 | 2.92 | -0.36 |
| Medical Conditions | | | |
| Operative procedure on spinal structure | 2.67 | 2.84 | -0.36 |
| Oncological Disorders | 2.68 | 2.86 | -0.44 |
| Torticollis | 2.41 | 2.65 | -0.49 |

*Note.* For all items listed in this table, the Wilcoxon signed rank test is significant at $p < .05$. Cohen's *d* (standardized mean difference) values are shown to indicate the magnitude of the differences in average ratings between the two groups. Positive Cohen's *d* values indicate the average rating by certified practitioners was higher than the average rating by non-certified practitioners. Differences in average ratings when one or both subgroup N was less than 30 are not shown.

**Table 6. Items with statistically significant Frequency rating differences between certified practitioners and non-certified practitioners**

| Item | Certified Practitioner mean rating | Non-certified Practitioner mean rating | Cohen's *d* |
|---|---|---|---|
| Knowledge Areas | | | |
| Cardiovascular and pulmonary systems | 2.85 | 3.08 | -0.24 |
| Integumentary system | 2.52 | 2.92 | -0.36 |

| | | | |
|---|---|---|---|
| Human growth and development across the lifespan | 2.61 | 2.85 | -0.21 |
| Nonsurgical interventional spine procedures | 2.89 | 3.16 | -0.3 |
| Spine surgical interventions | 2.94 | 3.16 | -0.24 |
| Personal factors | 3.88 | 3.77 | 0.27 |
| Biopsychosocial model | 3.47 | 3.14 | 0.35 |
| **Professional Roles, Responsibilities, and Values** | | | |
| Maintaining state-of-the-art knowledge and skills | 2.07 | 2.30 | -0.24 |
| Facilitating collaborative and multidisciplinary team management | 2.81 | 3.07 | -0.27 |
| Advocating for orthopaedic spine physical therapy practice | 1.41 | 1.78 | -0.34 |
| Evaluating the efficacy and effectiveness of tools | 2.18 | 2.47 | -0.25 |
| **Practice Expectations** | | | |
| Circulation | 2.81 | 3.30 | -0.50 |
| Posture | 3.64 | 3.86 | -0.37 |
| Flexibility | 3.65 | 3.84 | -0.32 |
| Protective, adaptive or supportive device or equipment | 2.43 | 2.90 | -0.47 |
| Mobilization with movement | 3.23 | 3.66 | -0.53 |
| Muscle energy techniques | 2.81 | 3.22 | -0.35 |
| Traction/distraction | 2.92 | 3.20 | -0.29 |
| Directional preference exercises/activities | 3.45 | 3.62 | -0.23 |
| Hypnosis | 0.12 | 0.49 | -0.67 |
| **Medical Conditions** | | | |
| Cervical Radiculopathy | 3.30 | 3.63 | -0.46 |
| Lumbar Radiculopathy | 3.47 | 3.73 | -0.40 |
| Thoracic Outlet Syndrome | 1.72 | 2.13 | -0.41 |
| Cervical Myelopathy | 1.55 | 2.15 | -0.56 |
| Cervical Disc Pathologies | 3.39 | 3.75 | -0.49 |

| | | | |
|---|---|---|---|
| Lumbar Strain | 3.29 | 3.63 | -0.44 |
| Piriformis Syndrome | 2.02 | 2.48 | -0.44 |
| Sacroiliac Dysfunction | 2.38 | 3.08 | -0.65 |
| Thoracic Sprain/Strain | 2.33 | 2.79 | -0.47 |
| Thoracic Disc Pathologies | 1.49 | 2.05 | -0.58 |
| Other Disorders of the Thoracic Spine | 1.94 | 2.31 | -0.35 |
| Operative procedure on spinal structure | 2.38 | 2.79 | -0.41 |
| Torticollis | 0.82 | 1.44 | -0.69 |

*Note.* For all items listed in this table, the Wilcoxon signed rank test is significant at $p < .05$. Cohen's *d* (standardized mean difference) values are shown to indicate the magnitude of the differences in average ratings between the two groups. Positive Cohen's *d* values indicate the average rating by certified practitioners was higher than the average rating by non-certified practitioners. Differences in average ratings when one or both subgroup N was less than 30 are not shown.

We compared ratings by certified practitioners to ratings averaged across the whole sample. There were no statistically significant differences found. This is likely because non-certified practitioners made up a relatively small proportion of the whole sample (about one quarter). Given the similarity between ratings from certified practitioner respondents and ratings in the entire sample, content experts reviewed the mean ratings for the entire sample. Standard deviations were provided as an indicator of rating variability for each item.

To facilitate and aid in organization of review, mean ratings for each item were categorized using the cut-off points shown in Table 6. Content experts were provided descriptive statistics for each item (number of respondents, mean response, standard deviation of the mean response) which were marked as belonging to one of the four rating categories described in Table 6.

**Table 6. Initial Criteria for Categorizing Survey Results**

| **Rating Criteria** | **Rating Category** |
|---|---|
| High frequency (>= 3.0), high importance (>= 2.5) | Very likely to be critical |
| Low frequency (< 3.0), high importance (>= 2.5) | May be critical |
| High frequency (>= 3.0), low importance (< 2.5) | Less likely to be critical |
| Low frequency (< 3.0), low importance (< 2.5) | Very unlikely to be critical |

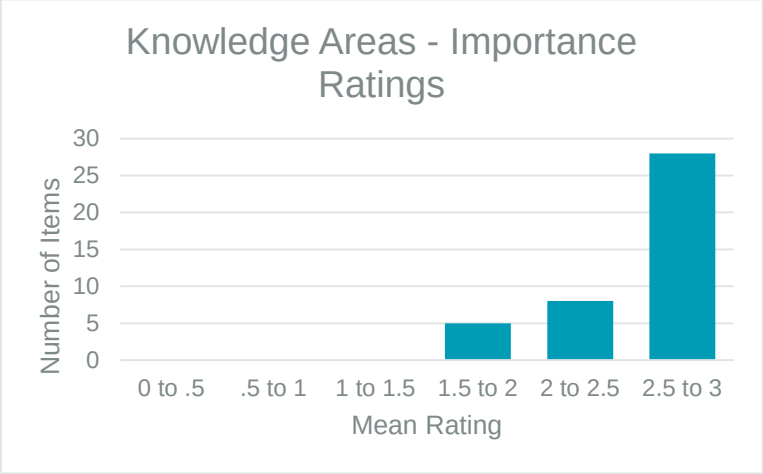
Before reviewing the survey items and their ratings, content experts established the following decision rules for their review. Items would be eliminated if their average importance rating was less than 1. Items would be eliminated after review if they had an average importance rating close to 1 and an average frequency rating less than or equal to 1.5. Items with average importance ratings between 1 and 2.5 would be discussed among the content experts and a consensus decision would be reached regarding retaining or eliminating the items. Items with average importance ratings equal to or greater than 2.5 would be retained. The content

experts concluded that for purposes of review, importance ratings would be given more weight than frequency ratings. Where importance and frequency ratings were borderline, level of judgment or mastery would be taken into consideration during review. Table 7 summarizes the decision rules the content experts used in their review.

**Table 7. Content Expert Review Decision Rules**

| Average Rating | Decision |
|---|---|
| Importance rating < 1 | Eliminate item |
| Importance rating = approximately 1 and Frequency < 1.5 | Eliminate after review to confirm rating |
| Importance rating > 1 and < 2.5 | Discuss for consensus decision |
| Importance rating >= 2.5 | Retain item |

Respondents endorsed the vast majority of items on the survey as at least Moderately Important (an average rating of 2), with 72.3% of the items having an average rating above 2.5. Figure 1 shows the distribution of mean Importance ratings across items within survey sections.



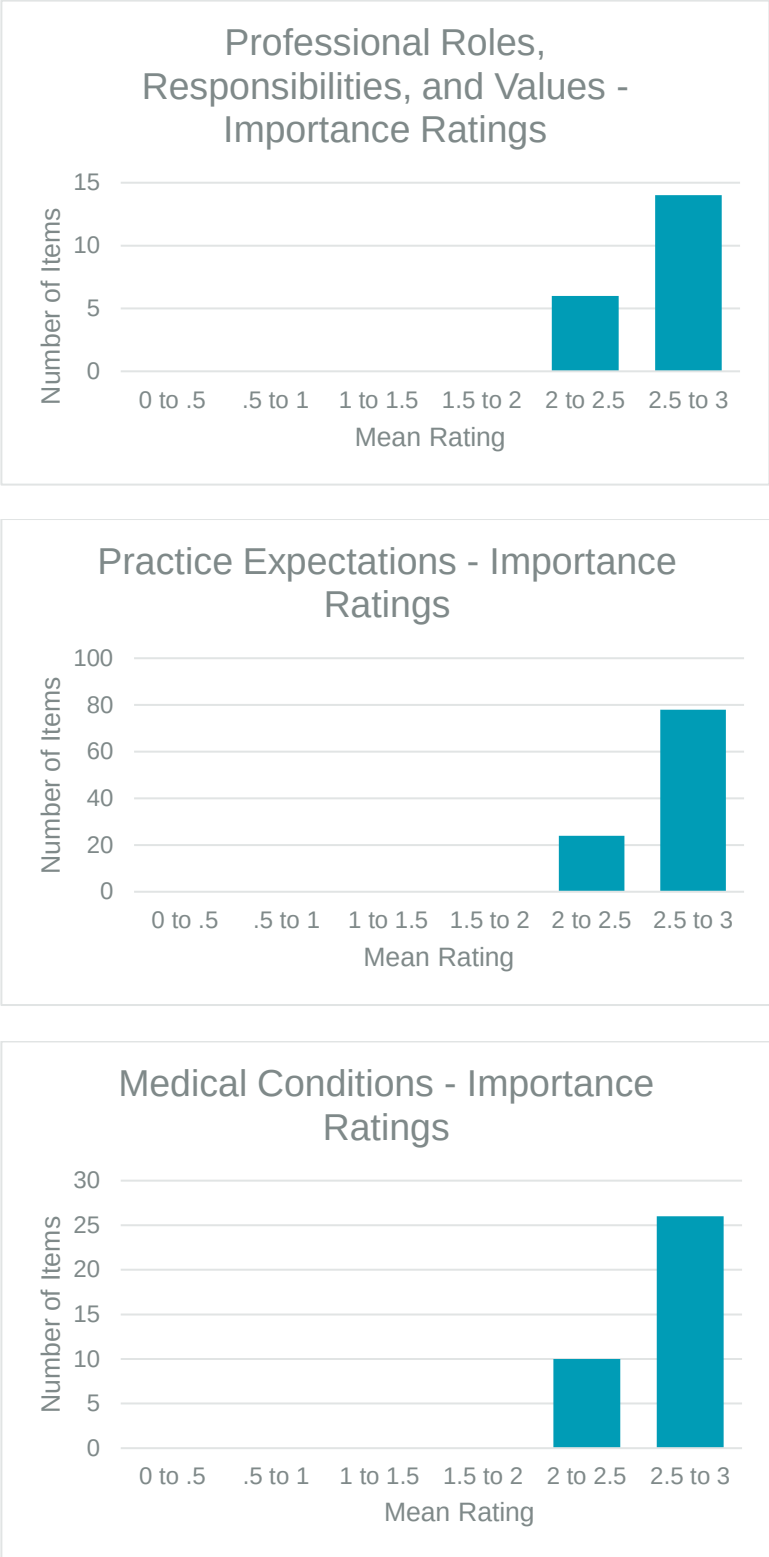



***Figure 1. Mean Importance Ratings for Survey Items by Survey Section***

## Confidence in Survey Results

The results based on analysis of the survey data appear to be from a representative sample of practitioners of orthopaedic spine physical therapy. Given the representativeness of professional experience of respondents, the results are assumed to be representative of current orthopaedic spine practice. While standard deviations of responses indicated moderate variability in ratings of importance and frequency of use of content areas, the review of results conducted by a panel of practicing orthopaedic spine specialists provided additional perspective and further clarified current practice.

*Recommendations for Future Practice Analysis Surveys*

In future practice analyses, it is recommended to consider splitting the survey in half, so each survey contains fewer items and therefore take less time to complete. This may increase participation and potentially mitigate survey dropout. Another recommendation is to consider including prompts to complete any unanswered questions (particularly demographic questions) before leaving the survey. Adding such prompts when items are left blank may increase response rates for items, particularly near the end of the survey.

## References

Lozar Manfreda, K., & Vehovar, V. (2002). *Survey design features influencing response rates in web surveys.* Paper presented at the International Conference on Improving Surveys, Copenhagen, Denmark.

# Responses to Demographic Questions

**1. Please select one of the following survey options**

| | Frequency | Percent |
|---|---|---|
| I am a graduate of an ABPTRFE-accredited orthopaedic or sports residency program, and have practice a minimum of 1,000 hours in orthopaedic spine in the last two (2) years. | 63 | 5.2 |
| I am actively involved in orthopaedic spine physical therapy practice at the "subspecialist" level, but am unable to participate in this survey at this time. | 75 | 6.2 |
| I am an ABPTS board-certified clinical specialist in orthopaedic or sports physical therapy, and have practice a minimum of 1,000 hours in orthopaedic spine in the last two (2) years. | 754 | 62.3 |
| I am not a board-certified clinical specialist, or residency graduate, in orthopaedic or sports physical therapy but I am a member of the APTA Academy of Orthopaedic Physical Therapy or Academy of Sports Physical Therapy and have a minimum of 5 years of experience of practice in orthopaedic spine, with at least 1,000 hours in the last two (2) years. | 197 | 16.3 |
| I am not actively involved in orthopaedic spine physical therapy practice and therefore I am not eligible to participate in this survey at this time. | 121 | 10.0 |

**4.1 Please indicate the percentage of time you spend in the following settings as an orthopaedic spine physical**

| | | | Counts within Percentage Bands | | | | |
|---|---|---|---|---|---|---|---|
| | M % | SD % | 0 to 5% | 6 to 25% | 26 to 50% | 51 to 75% | 76 to 100% |
| Acute Care Hospital | 4.1 | 13.9 | 98 | 14 | 1 | 0 | 2 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Hospital-based outpatient facility or clinic | 53.0 | 46.1 | 63 | 5 | 8 | 6 | 80 |
| Private outpatient office or group practice | 62.9 | 43.5 | 38 | 12 | 14 | 3 | 92 |
| Skilled nursing facility (SNF)/long-term care | 1.2 | 10.3 | 94 | 1 | 0 | 0 | 1 |
| Patient's home/home care | 2.9 | 12.4 | 96 | 3 | 3 | 0 | 1 |
| School system (preschool/primary/secondary) | 0.2 | 1.1 | 96 | 1 | 0 | 0 | 0 |
| Academic institution (postsecondary) | 18.1 | 32.5 | 79 | 13 | 5 | 4 | 15 |
| Health and wellness facility | 3.5 | 15.5 | 94 | 5 | 2 | 0 | 2 |
| Research center | 0.8 | 4.7 | 93 | 3 | 1 | 0 | 0 |
| Industry | 0.9 | 5.4 | 93 | 3 | 1 | 0 | 0 |
| Inpatient rehab facility (IRF) | 0.4 | 2.3 | 96 | 2 | 0 | 0 | 0 |
| Other | 9.8 | 26.5 | 70 | 7 | 2 | 0 | 7 |

**5.1 In the past year, what percentage of paitents/clients have you provided physical therapy services for in the following age groups? (total must equal 100%)**

| Age group | Mean % | SD % |
|---|---|---|
| Pediatrics (0-21 years of age) | 14.9 | 12.4 |
| Adults (22-59 years of age) | 49.6 | 16.8 |
| Geriatrics (60 years of age to end of life) | 37.6 | 16.4 |

**5.2 In the past year, what percentage of patients/clients have you provided physical therapy services for in the following sex groups? (total must equal 100%)**

| Sex | Mean % | SD % |
|---|---|---|
| Male | 47.7 | 10.6 |
| Female | 51.2 | 10.7 |
| Ambiguous | 3.6 | 10.4 |

**5.3 Please indicate your referral sources by percentages below (total must equal 100%)**

| | Mean % | SD % |
|---|---|---|

| | | | |
|---|---|---|---|
| Self-referral | 26.2 | 27.3 | <- e.g., "on average, 26% of referrals are from self-referral" |
| Chiropractic | 3.1 | 6.0 | |
| Family practice physicians or other physician primary care p | 32.3 | 18.9 | |
| Physician specialists (e.g. geriatrics physician) | 30.6 | 19.9 | |
| Physician assistants | 13.8 | 8.8 | |
| Podiatrist | 4.4 | 4.3 | |
| Nurse practitioners | 11.8 | 12.7 | |
| Other | 9.5 | 22.2 | |

**7.1 In which geographic region is the major portion of your practice?**

| | frequency | percent |
|---|---|---|
| East North Central (IL, IN, MI, OH, WI) | 24 | 2.0 |
| East South Central (AL, KY, MS, TN) | 7 | 0.6 |
| Middle Atlantic (NJ, NY, PA) | 40 | 3.3 |
| Mountain (AZ, CO, ID, MT, NV, NM, UT, WY) | 21 | 1.7 |
| New England (CT, ME, MA, NH, RI, VT) | 13 | 1.1 |
| Pacific (AK, CA, HI, OR, WA) | 34 | 2.8 |
| South Atlantic (DE, DC, FL, GA, MD, NC, PR, SC, VA, WV) | 34 | 2.8 |
| West North Central (IA, KS, MN, MO, NE, ND, SD) | 30 | 2.5 |
| West South Central (AR, LA, OK, TX) | 20 | 1.7 |
| None Selected | 987 | 81.6 |

**7.2 What is your entry-level physical therapy education?**

| | frequency | percent |
|---|---|---|
| Baccalaureate | 48 | 4.0 |
| DPT | 121 | 10.0 |
| Entry-level master's | 46 | 3.8 |
| Other (please specify) | 3 | 0.2 |
| Postbaccalaureate certificate | 5 | 0.4 |

| | | |
|---|---|---|
| None Selected | 987 | 81.6 |

**7.3 What is your highest earned academic degree in any area of study?**

| | frequency | percent |
|---|---|---|
| Baccalaureate | 19 | 1.6 |
| DPT | 120 | 9.9 |
| Master's | 24 | 2.0 |
| Other (please specify) | 3 | 0.2 |
| PhD (or equivalent and DPT | 6 | 0.5 |
| PhD (or equivalent) and tDPT | 1 | 0.1 |
| PhD (or equivalent, eg EdD or ScD) | 15 | 1.2 |
| tDPT | 36 | 3.0 |
| None Selected | 986 | 81.5 |

*Note.* Other were Doctor of Chiropractic (n=2) and Post Graduate Diploma in Rehabilitation (n=1).

**7.4 What is the total number of years you have been a practicing physical therapist?**

| | Frequency | Percent |
|---|---|---|
| 31 or more years | 41 | 3.4 |
| 21 - 30 years | 57 | 4.7 |
| 16 - 20 years | 24 | 2.0 |
| 11 - 15 years | 37 | 3.1 |
| 6 - 10 years | 44 | 3.6 |
| 3 - 5 years | 17 | 1.4 |
| 1 - 2 years | 4 | 0.3 |
| None Selected | 986 | 81.5 |

**7.5 What is the total number of years you have primarily practiced in Orthopaedic Spine physical therapy?**

| | Frequency | Percent |
|---|---|---|

| | | |
|---|---|---|
| 31 or more years | 22 | 1.8 |
| 21 - 30 years | 44 | 3.6 |
| 16 - 20 years | 37 | 3.1 |
| 11 - 15 years | 28 | 2.3 |
| 6 - 10 years | 58 | 4.8 |
| 3 - 5 years | 26 | 2.1 |
| 1 - 2 years | 7 | 0.6 |
| Less than a year | 2 | 0.2 |
| None Selected | 986 | 81.5 |

**7.6 Please indicate any ABPTS board certifications you currently hold (select all that apply)**

| | Frequency | Percent |
|---|---|---|
| Cardivascular and Pulmonary | 0 | 0.0 |
| Clinical Electrophysiology | 1 | 0.1 |
| Geriatrics | 4 | 0.3 |
| Neurology | 1 | 0.1 |
| Oncology | 0 | 0.0 |
| Orthopaedics | 169 | 14.0 |
| Pediatrics | 0 | 0.0 |
| Sports | 18 | 1.5 |
| Women's Health | 0 | 0.0 |
| Wound Management | 0 | 0.0 |
| None of the above | 39 | 3.2 |
| None Selected | 996 | 82.3 |

**7.7 Please indicate if you graduated from an ABPTRFE-accredited residency program in any of the following areas of specialty practice (select all that apply)**

| | Frequency | Percent |
|---|---|---|
| Acute Care | 0 | 0.0 |
| Cardiovascular and Pulmonary | 0 | 0.0 |
| Clinical Electrophysiology | 0 | 0.0 |
| Faculty | 0 | 0.0 |

| | | |
|---|---|---|
| Geriatrics | 0 | 0.0 |
| Neurology | 0 | 0.0 |
| Oncology | 0 | 0.0 |
| Orthopaedics | 50 | 4.1 |
| Pediatrics | 0 | 0.0 |
| Sports | 1 | 0.1 |
| Women's Health | 0 | 0.0 |
| Wound Management | 0 | 0.0 |
| None of the above | 136 | 11.2 |
| None Selected | 1023 | 84.5 |

**7.8 Please indicate if you graduated from an ABPTRFE-accredited fellowship program in any of the followingg areas of subspecialty practice (select all that apply)**

| | Frequency | Percent |
|---|---|---|
| Critical Care | 0 | 0.0 |
| Hand Therapy | 0 | 0.0 |
| Higher Education Leadership | 0 | 0.0 |
| Movement System | 4 | 0.3 |
| Neonatology | 0 | 0.0 |
| Orthopaedic Manual Physical Therapy | 38 | 3.1 |
| Performing Arts | 0 | 0.0 |
| Spine | 8 | 0.7 |
| Sports Division 1 | 0 | 0.0 |
| Upper Extremity Athlete | 0 | 0.0 |
| None of the above | 134 | 11.1 |
| None Selected | 1029 | 85.0 |

**7.9 Based on state law and facility policies, do you evaluate and/or treat patients/clients without a physician referral?**

| | Frequency | Percent |
|---|---|---|
| Yes | 179 | 14.8 |
| No | 43 | 3.6 |
| None Selected | 988 | 81.7 |

**7.10 What is your current employment status at your primary position? (35 or more hours/wk is full-time)**

| | Frequency | Percent |
|---|---|---|
| Full-time hourly | 25 | 2.1 |
| Full-time salaried | 143 | 11.8 |
| Full-time self employed | 26 | 2.1 |
| Part-time hourly | 14 | 1.2 |
| Part-time salaried | 5 | 0.4 |
| Part-time self employed | 5 | 0.4 |
| Retired | 2 | 0.2 |
| Unemployed/not seeking work | 2 | 0.2 |
| None Selected | 988 | 81.7 |

**7.11 What educational method has had the MOST influence on developing your present level of clinical skills?**

| | Frequency | Percent |
|---|---|---|
| Continuing education courses, workshops, seminars, study | 104 | 8.6 |
| Formal fellowship program | 39 | 3.2 |
| Formal residency program | 31 | 2.6 |
| Graduate program | 14 | 1.2 |
| In service, peer interaction | 4 | 0.3 |
| Mentoring | 13 | 1.1 |
| Self-study (books, articles, videotapes, home study courses | 17 | 1.4 |
| None Selected | 988 | 81.7 |

**7.12 Are you a member of the APTA**

| | Frequency | Percent |
|---|---|---|
| Yes | 184 | 15.2 |
| No | 38 | 3.1 |
| None Selected | 988 | 81.7 |

**7.13 Please indicate any APTA Section you are member of (select all that apply)**

| | Frequency | Percent |
|---|---|---|
| Acute Care | 1 | 0.1 |
| Aquatics | 2 | 0.2 |
| Cardiovascular and Pulmonary | 1 | 0.1 |
| Clinical Electrophysiology and Wound Management | 2 | 0.2 |
| Education | 26 | 2.1 |
| Federal | 5 | 0.4 |
| Geriatrics | 7 | 0.6 |
| Hand and Upper Extremity | 2 | 0.2 |
| Health Policy and Administration | 4 | 0.3 |
| Home Health | 2 | 0.2 |
| Neurology | 6 | 0.5 |
| Oncology | 2 | 0.2 |
| Orthopaedics | 158 | 13.1 |
| Pediatrics | 1 | 0.1 |
| Pelvic Health | 8 | 0.7 |
| Private Practice | 19 | 1.6 |
| Research | 11 | 0.9 |
| Sports | 34 | 2.8 |
| None of the above | 38 | 3.1 |
| None Selected | 988 | 81.7 |

**7.14 What is your sex?**

| | Frequency | Percent |
|---|---|---|
| Male | 136 | 11.2 |
| Female | 87 | 7.2 |
| None Selected | 987 | 81.6 |

**7.15 What is your age?**

| | Frequency | Percent |
|---|---|---|
| 20-29 | 7 | 0.6 |
| 30-39 | 76 | 6.3 |

| | | |
|---|---|---|
| 40-49 | 61 | 5.0 |
| 50-59 | 53 | 4.4 |
| 60-69 | 21 | 1.7 |
| 70+ | 5 | 0.4 |
| None Selected | 987 | 81.6 |

**7.16 Which of the following best describes your race/ethnic origin?**

| | Frequency | Percent |
|---|---|---|
| African-American or Black (Not Hispanic) | 6 | 0.5 |
| Asian | 23 | 1.9 |
| Hispanic/Latino | 3 | 0.2 |
| Other | 9 | 0.7 |
| White (Not Hispanic) | 180 | 14.9 |
| None Selected | 989 | 81.7 |

## Introduction

**Orthopaedic Spine Physical Therapy**

**Clinical Subspecialty Practice Analysis Survey**

**The purpose of this survey is to distinguish elements of subspecialized Orthopaedic Spine clinical practice. The results of this survey will establish a Description of Fellowship Practice (DFP) in Spine Physical Therapy. The questions are based on:**

**(1) The curriculum of current ABPTRFE-accredited Spine Fellowship Programs,**

**(2) The opinions of a Subject Matter Expert (SME) workgroup pertaining to Spine physical therapy practice,**

**(3) The latest version of the *Guide to Physical Therapist Practice,* including the Patient/Client Management Model,**

**(4) The practice expectations identified in the publication, *A Normative Model of Physical Therapist Professional Education*; and**

**(5) Recent articles and textbooks pertaining to Spine physical therapist practice**

Survey Guidelines:

The Guide to Physical Therapist Practice describes the Patient/Client Management Model, which includes Examination (history, systems review, tests and measures), Evaluation, Diagnosis, Prognosis, Intervention, and Outcomes. Based on the development of the Guide and previous specialty practice surveys, the elements of this Patient/Client Management Model are the accepted standard for all physical therapy practice, including Orthopaedic Spine Subspecialty Practice.

The Normative Model was published by the APTA to serve as a consensus-based model for professional education. This publication provides Practice Expectations (PEs) for the professional physical therapist. There are a total of 19 PEs. PEs equate to clinical competencies or the knowledge, skills, and behaviors that describe the performance of a graduate from a professional (entry-level) physical therapy program as they enter into the practice of physical therapy. These competencies include: Professional Practice Expectations (communication, individual cultural differences, professional behaviors, critical inquiry and clinical decisions making, education, professional development), Patient and Client Management Expectations (screening, examination, evaluation, diagnosis, prognosis, plan of care, intervention, outcomes assessment and evaluation), and Practice Management Expectations (prevention/wellness/health promotion, management of care delivery, administration, consultation, social responsibility).

While all therapists may perform these same elements of practice, as "subspecialists" they may be performing them differently. That is to say, subspecialists may have additional knowledge or skill, and may analyze or synthesize information differently. The result of these differences is that subspecialists may be more efficient and effective in their patient/client management. This survey represents the description of subspecialty practice for the next 10 years so please answer the questions with respect to anticipated changes, growth over the next 10 years.

This survey also addresses specific knowledge areas and procedures, and the Orthopaedic Spine Subspecialist’s roles/duties in education, leadership, virtuous behavior, consultation and critical inquiry. Your responses will help us validate both advanced skill and knowledge. Some of the advanced skills are not always obvious. For example, you may consider manual muscle testing (MMT) to be a basic skill. However, the use of MMT in clinical practice may actually reflect refined thought processes employed by a clinical subspecialist who has considered the best external evidence in formulating the intervention plan. So, it may not be the actual intervention that signifies advanced practice, but the thought processes, synthesis of external evidence or possession of more knowledge about the intervention that is the hallmark of advanced practice.

We ask you to please consider each item carefully in this context, so that the results of this survey truly reflect a “subspecialty” level of practice.

## Survey Response Eligibility

1. Please select one of the following survey options:

- ○ I am an ABPTS board-certified clinical specialist in orthopaedic **or** sports physical therapy, and have practice a minimum of 1,000 hours in orthopaedic spine in the last two (2) years.
- ○ I am a graduate of an ABPTRFE-accredited orthopaedic **or** sports residency program, and have practice a minimum of 1,000 hours in orthopaedic spine in the last two (2) years.
- ○ I am not a board-certified clinical specialist, or residency graduate, in orthopaedic or sports physical therapy **but** I am a member of the APTA Academy of Orthopaedic Physical Therapy or Academy of Sports Physical Therapy and have a minimum of 5 years of experience of practice in orthopaedic spine, with at least 1,000 hours in the last two (2) years.
- ○ I am not actively involved in orthopaedic spine physical therapy practice and therefore I am not eligible to participate in this survey at this time.
- ○ I am actively involved in orthopaedic spine physical therapy practice at the "subspecialist" level, but am unable to participate in this survey at this time.

# PART 1 / 1.1 FOUNDATION SCIENCES

**Part 1 - Knowledge Areas of Orthopaedic Spine Clinical Subspecialists**

Your answers should reflect what you believe to be “orthopaedic spine subspecialty clinical practice” – i.e. practice that requires advanced knowledge and skill for efficient, effective performance, resulting in optimal patient/client care outcomes.

You are asked to rate each item in Part 1 on the following 3 scales:

**Frequency** - How frequently does the orthopaedic spine clinical subspecialist use this knowledge area?
0 - Never;
1 - Less than once a month;
2 - Monthly;
3 - Weekly;
4 - Daily

**Importance** - Regardless of the frequency of occurrence or prevalence, how important is this knowledge area to practice as an orthopaedic spine clinical subspecialist?
0 – Not important;
1 – Of little importance;
2 – Moderately important;
3 – Very important

**Level of Judgment** - Which of the following statements best describes the level of judgment orthopaedic spine clinical subspecialist exercise when they use information from this knowledge area?
0 - Do not use in their work;
1 - Recall;
2 - Application;
3 - Analysis

Level of Judgment Definitions - Please keep the following definitions for the skill levels indicated in the Level of Mastery scale in mind when completing the survey:
***Recall***: requires ability to recall or recognize specific information only.
***Application***: requires ability to comprehend, interpret or apply knowledge to new or changing situations.
***Analysis***: requires ability to analyze information, to put information together to arrive at a solution, and/or to evaluate the usefulness of the solution.

**1.1 FOUNDATIONAL SCIENCES:**

**1.1.1 Human anatomy and physiology as related to orthopaedic spine conditions:**

2. 1.1.1.1 Musculoskeletal system.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

3. 1.1.1.2 Neuromuscular system.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

4. 1.1.1.3 Cardiovascular and pulmonary systems.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

5. 1.1.1.4 Integumentary system.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

6. 1.1.1.5 Human growth and development across the lifespan.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

7. 1.1.1.6 Histology (e.g., connective tissue, muscle fiber type, immunity).

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

8. 1.1.1.7 Other systems (e.g., endocrine, digestive, genitourinary).

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 1.1 FOUNDATION SCIENCES, CONT.

**Frequency** - How frequently does the orthopaedic spine clinical subspecialist use this knowledge area?

**Importance** - Regardless of the frequency of occurrence or prevalence, how important is this knowledge area to practice as a 0rthopaedic spine clinical subspecialist?

**Level of Judgment** - Which of the following statements best describes the level of judgment orthopaedic spine clinical subspecialists exercise when they use information from this knowledge area?

Level of Judgment Definitions
***Recall***: requires ability to recall or recognize specific information only.
***Application***: requires ability to comprehend, interpret or apply knowledge to new or changing situations.
***Analysis***: requires ability to analyze information, to put information together to arrive at a solution, and/or to evaluate the usefulness of the solution.

**1.1 FOUNDATIONAL SCIENCES, CONT.**

**1.1.2 Movement science as related to orthopaedic spine conditions:**

9. 1.1.2.1 Kinesiology/biomechanics.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

10. 1.1.2.2 Neural control of movement.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

11. 1.1.2.3 Ergonomics.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

12. 1.1.2.4 Locomotion.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 1.2 CLINICAL SCIENCES

**Frequency** - How frequently does the orthopaedic spine clinical subspecialist use this knowledge area?

**Importance** - Regardless of the frequency of occurrence or prevalence, how important is this knowledge area to practice as a 0rthopaedic spine clinical subspecialist?

**Level of Judgment** - Which of the following statements best describes the level of judgment orthopaedic spine clinical subspecialists exercise when they use information from this knowledge area?

Level of Judgment Definitions
***Recall***: requires ability to recall or recognize specific information only.
***Application***: requires ability to comprehend, interpret or apply knowledge to new or changing situations.
***Analysis***: requires ability to analyze information, to put information together to arrive at a solution, and/or to evaluate the usefulness of the solution.

**1.2 CLINICAL SCIENCES**

**1.2.1 Pathology/Pathophysiology as related to orthopaedic spine conditions**

13. 1.2.1.1 Signs and symptoms of disease/injury.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

14. 1.2.1.2 Progression of disease/injury processes.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

15. 1.2.1.3 Pathokinesiology.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

16. 1.2.1.4 Tissue inflammation, healing, and repair.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

**1.2.2 Medical and surgical considerations as related to orthopaedic spine conditions**

17. 1.2.2.1 Imaging studies.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

18. 1.2.2.2 Pharmacology.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

19. 1.2.2.3 Ancillary tests (e.g., lab studies, EKG, electrophysiological exams).

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

20. 1.2.2.4 Nonsurgical interventional spine procedures (e.g., injections, radial ablation, denervation procedures) and their indications, contraindications, and precautions for orthopaedic spine physical therapy.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

21. 1.2.2.5 Spine surgical interventions and their indications, contraindications, and precautions for orthopaedic spine physical therapy.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

22. 1.2.2.6 Developments in genetics/regenerative medicine (e.g., genetic markers, stem cell applications, genetic-based alterations to pharmacological interventions, immunity.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 1.3 BEHAVIORAL SCIENCES

**Frequency** - How frequently does the orthopaedic spine clinical subspecialist use this knowledge area?

**Importance** - Regardless of the frequency of occurrence or prevalence, how important is this knowledge area to practice as a 0rthopaedic spine clinical subspecialist?

**Level of Judgment** - Which of the following statements best describes the level of judgment orthopaedic spine clinical subspecialists exercise when they use information from this knowledge area?

Level of Judgment Definitions
***Recall***: requires ability to recall or recognize specific information only.
***Application***: requires ability to comprehend, interpret or apply knowledge to new or changing situations.
***Analysis***: requires ability to analyze information, to put information together to arrive at a solution, and/or to evaluate the usefulness of the solution.

**1.3 BEHAVIORAL SCIENCES**

**1.3.1 Behavioral science as related to orthopaedic spine conditions:**

23. 1.3.1.1 External environmental factors (e.g., expected behaviors and social pressures).

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

24. 1.3.1.2 Personal factors (e.g., compliance, body awareness, pain perception, and related psychosocial factors).

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

25. 1.3.1.3 Psychological/emotional conditions (e.g., anxiety, depression, catastrophization).

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

26. 1.3.1.4 Impact of behavioral health risk factors (e.g., smoking effects on healing rates).

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

**1.3.2 Pain science as related to orthopaedic spine conditions:**

27. 1.3.2.1 Peripheral nociceptive pain physiology.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

28. 1.3.2.2 Peripheral neurogenic/neuropathic pain physiology.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

29. 1.3.2.3 Central nervous system/nociplastic pain physiology.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

30. 1.3.2.4 Output mechanisms and expressions (e.g., immune, endocrine, sympathetic, behavioral).

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 1.3 BEHAVIORAL SCIENCES, CONT.

**Frequency** - How frequently does the orthopaedic spine clinical subspecialist use this knowledge area?

**Importance** - Regardless of the frequency of occurrence or prevalence, how important is this knowledge area to practice as a 0rthopaedic spine clinical subspecialist?

**Level of Judgment** - Which of the following statements best describes the level of judgment orthopaedic spine clinical subspecialists exercise when they use information from this knowledge area?

Level of Judgment Definitions
***Recall***: requires ability to recall or recognize specific information only.
***Application***: requires ability to comprehend, interpret or apply knowledge to new or changing situations.
***Analysis***: requires ability to analyze information, to put information together to arrive at a solution, and/or to evaluate the usefulness of the solution.

**1.3 BEHAVIORAL SCIENCES, CONT.**

**1.3.3 Orthopaedic spine physical therapy theory and practice:**

31. 1.3.3.1 Biopsychosocial model.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

32. 1.3.3.2 Exercise physiology across the lifespan.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

33. 1.3.3.3 Manual therapy techniques.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

34. 1.3.3.4 Movement systems impairments.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

35. 1.3.3.5 Motor control and motor learning.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

36. 1.3.3.6 Theory and application of orthotic, protective, and supportive devices.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

37. 1.3.3.7 Therapeutic exercise.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

38. 1.3.3.8 Models of differential diagnosis and clinical reasoning (e.g., hypothesis-oriented algorithm for clinicians (HOAC) model, prospect theory).

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

39. 1.3.3.9 Principles of teaching and learning.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

40. 1.3.3.10 Principles of prevention and wellness.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 1.4 CRITICAL INQUIRY FOR EVIDENCE-BASED PRACTICE

**Frequency** - How frequently does the orthopaedic spine clinical subspecialist use this knowledge area?

**Importance** - Regardless of the frequency of occurrence or prevalence, how important is this knowledge area to practice as a 0rthopaedic spine clinical subspecialist?

**Level of Judgment** - Which of the following statements best describes the level of judgment orthopaedic spine clinical subspecialists exercise when they use information from this knowledge area?

Level of Judgment Definitions
***Recall***: requires ability to recall or recognize specific information only.
***Application***: requires ability to comprehend, interpret or apply knowledge to new or changing situations.
***Analysis***: requires ability to analyze information, to put information together to arrive at a solution, and/or to evaluate the usefulness of the solution.

**1.4 CRITICAL INQUIRY FOR EVIDENCE-BASED PRACTICE**

41. 1.4.1 Appraisal of research findings on orthopaedic spine physical therapy practice.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

42. 1.4.2 Application of research findings to orthopaedic spine physical therapy practice.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## PART 2 / 2.1 PROFESSIONAL BEHAVIOR

**Part 2 - Professional Roles, Responsibilities, and Values of Orthopaedic Spine Clinical Subspecialists**

Your answers should reflect what you believe to be “orthopaedic spine subspecialty clinical practice” – i.e. practice that requires advanced knowledge and skill for efficient, effective performance, resulting in optimal patient/client care outcomes.

You are asked to rate each item in Part 2 on the following 3 scales:

**Frequency** - How frequently does the orthopaedic spine clinical subspecialist perform this activity?
0 - Never;
1 - Less than once a month;
2 - Monthly;
3 - Weekly;
4 - Daily

**Importance** - Regardless of the frequency of occurrence, how important is this activity in everyday practice as an orthopaedic spine clinical subspecialist?
0 – Not important;
1 – Of little importance;
2 – Moderately important;
3 – Very important

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?
0 - Advanced beginner level;
1 - Competent skill level;
2 - Proficient skill level;
3 - Expert skill level

Level of Master Definitions - Please keep the following definitions for the skill levels indicated in the Level of Mastery scale in mind when completing the survey:
***Advanced beginner level***: Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.
***Competent skill level***: Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.
***Proficient skill level***: Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.
***Expert skill level:*** Physical therapists at this level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid, and efficient. Clinical decision-making is rapid and accurate.

**2.1 PROFESSIONAL BEHAVIOR.** The orthopaedic spine subspecialist acts as a role model of professional behavior in all interactions and in accordance with APTA Code of Ethics. The orthopaedic spine subspecialist demonstrates professional behavior by:

43. 2.1.1 Consulting with and/or educating peers, colleagues, other health care professionals, community, agencies, legislative and/or regulatory organizations regarding issues of orthopaedic spine physical therapy practice.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

44. 2.1.2 Using patient-centered ethics and values in complex clinical decision making.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

45. 2.1.3 Maintaining active participation in professional organizations that address issues related to orthopaedic spine care.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

46. 2.1.4 Maintaining state-of-the-art knowledge and skills by seeking own mentors and participating in continuing professional development (e.g., seminars, structured study, journal clubs, etc.).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 2.2 LEADERSHIP

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

***Advanced beginner skill level.*** Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of a clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.

***Competent skill level.*** Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.

***Proficient skill level.*** Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.

***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**2.2 LEADERSHIP.** The orthopaedic spine subspecialist demonstrates leadership by:

47. 2.2.1 Representing orthopaedic spine physical therapy and interacting with other professionals and organizations (e.g., inter-professional interaction and mentoring).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

48. 2.2.2 Planning, directing, organizing, and managing human, technical, environmental, and financial resources effectively and efficiently.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

49. 2.2.3 Modeling and facilitating the translation of evidence into clinical practice as it relates to orthopaedic spine care.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

50. 2.2.4 Acting as an expert resource for peers in the clinic and community for guidance on complex cases and problem solving/clinical reasoning as it relates to orthopaedic spine care.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 2.3 COMMUNICATION / 2.4 ADVOCACY

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

***Advanced beginner skill level.*** Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of a clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.

***Competent skill level.*** Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.

***Proficient skill level.*** Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.

***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**2.3 COMMUNICATION.** The orthopaedic spine subspecialist demonstrates effective communication by:

51. 2.3.1 Empowering patients with orthopaedic spine conditions in the management of their own health (e.g., providing patients confidence to manage future occurrences of spine-related pain).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

52. 2.3.2 Facilitating collaborative and multidisciplinary team management and transition of care for individuals with orthopaedic spine conditions.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

**2.4 ADVOCACY.** The orthopaedic spine subspecialist demonstrates advocacy by:

53. 2.4.1 Promoting the orthopaedic spine physical therapist as the first contact provider in musculoskeletal spine pathology.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

54. 2.4.2 Advocating for orthopaedic spine physical therapy practice with national organizations, healthcare systems or law-making bodies.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 2.5 EDUCATION / 2.6 CRITICAL INQUIRY AND EVIDENCE-BASED PRACTICE

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

***Advanced beginner skill level.*** Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of a clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.

***Competent skill level.*** Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.

***Proficient skill level.*** Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.

***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**2.5 EDUCATION.** The orthopaedic spine subspecialist demonstrates the ability to educate others by:

55. 2.5.1 Contributing to the professional development of other physical therapists by teaching/mentoring.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

56. 2.5.2 Promoting awareness and benefits of fellowship programs in orthopaedic spine physical therapy.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

57. 2.5.3 Educating the public regarding spine conditions, the role of orthopaedic spine physical therapists, and addressing common misconceptions.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

58. 2.5.4 Educating other health care professionals and administrators as to the scope and role of orthopaedic spine physical therapists.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

**2.6 CRITICAL INQUIRY AND EVIDENCE-BASED PRACTICE.** The orthopaedic spine subspecialist demonstrates critical inquiry and evidence-based practice by:

59. 2.6.1 Applying principles of evidence-based practice in patient/client management.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

60. 2.6.2 Contributing to the body of evidence in orthopaedic spine physical therapy (e.g., peer-reviewed and non-peer-reviewed presentations and publications).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

61. 2.6.3 Evaluating the efficacy and effectiveness of examination tools, interventions, and technologies based upon available evidence.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

62. 2.6.4 Identifying research needs within the field of orthopaedic spine physical therapy, evaluating outcomes data, and assessing new concepts and technologies.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

# PART 3 / 3.1 EXAMINATION / 3.1.1 HISTORY

**Part 2 - Professional Roles, Responsibilities, and Values of Orthopaedic Spine Clinical Subspecialists**

Your answers should reflect what you believe to be “orthopaedic spine subspecialty clinical practice” – i.e. practice that requires advanced knowledge and skill for efficient, effective performance, resulting in optimal patient/client care outcomes.

You are asked to rate each item in Part 2 on the following 3 scales:

**Frequency** - How frequently does the orthopaedic spine clinical subspecialist perform this activity?
0 - Never;
1 - Less than once a month;
2 - Monthly;
3 - Weekly;
4 - Daily

**Importance** - Regardless of the frequency of occurrence, how important is this activity in everyday practice as an orthopaedic spine clinical subspecialist?
0 – Not important;
1 – Of little importance;
2 – Moderately important;
3 – Very important

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?
0 - Advanced beginner level;
1 - Competent skill level;
2 - Proficient skill level;
3 - Expert skill level

Level of Master Definitions - Please keep the following definitions for the skill levels indicated in the Level of Mastery scale in mind when completing the survey:
***Advanced beginner level***: Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.
***Competent skill level***: Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.
***Proficient skill level***: Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.
***Expert skill level:*** Physical therapists at this level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid, and efficient. Clinical decision-making is rapid and accurate.

**3.1 EXAMINATION.** The orthopaedic spine physical therapist demonstrates examination by:

**3.1.1 History.**

**3.1.1.1 Obtaining work/performance place and status data that includes, but is not limited to:**

63. 3.1.1.1.1 Current and prior work.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

64. 3.1.1.1.2 Activity requirements/occupational demands.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

65. 3.1.1.1.3 Ergonomic considerations.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

66. 3.1.1.1.4 Utilization of adaptive and supportive devices (e.g., taping, bracing, assistive devices, orthotics).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.1.1 HISTORY, CONT.

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

***Advanced beginner skill level.*** Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of a clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.

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***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**3.1 EXAMINATION, CONT.**

**3.1.1 History, cont.**

**3.1.1.2 Obtaining data regarding current condition(s)/chief complaint(s) by identifying areas of primary and secondary symptoms that includes, but is not limited to:**

67. 3.1.1.2.1 Recognition of contributions from multiple body regions.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

68. 3.1.1.2.2 Quality and behavior of symptoms.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

69. 3.1.1.2.3 Symptom irritability (onset, offset, and overall baseline).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

70. 3.1.1.2.4 Onset of condition (e.g., mechanism of injury, insidious onset, potential contributing factors).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

71. 3.1.1.2.5 Current and previous therapeutic interventions.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

72. 3.1.1.2.6 Readiness for change.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

73. 3.1.1.2.7 Goals of the patient, family, and caregiver.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.1.1 HISTORY, CONT.

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

***Advanced beginner skill level.*** Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of a clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.

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***Proficient skill level.*** Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.

***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**3.1 EXAMINATION, CONT.**

**3.1.1 History, cont.**

74. 3.1.1.3 Obtaining data regarding functional status and activity level of daily living.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

**3.1.1.4 Obtaining data regarding general health status via self-report, family report, or caregiver report that includes, but is not limited to:**

75. 3.1.1.4.1 Physical function.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

76. 3.1.1.4.2 Psychosocial factors (e.g., anxiety, depression, catastrophizing).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.1.1 HISTORY, CONT.

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

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**3.1 EXAMINATION, CONT.**

**3.1.1 History, cont.**

77. 3.1.1.5 Obtaining data regarding social/health habits (past and current), including behavioral health risks (e.g., nutrition, smoking, substance use, sleep) and fitness level.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

78. 3.1.1.6 Obtaining medical/surgical history data.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

79. 3.1.1.7 Obtaining data regarding medication usage patterns and effects of medications currently and previously taken (for chief complaint and for other conditions).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

80. 3.1.1.8 Obtaining data regarding social history (e.g., cultural beliefs and support systems).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

81. 3.1.1.9 Obtaining general demographic information.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

82. 3.1.1.10 Obtaining data on living environment and community characteristics.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.1.2 INTERPRETING DATA FROM HISTORY / 3.1.3 PLANNING A PHYSICAL EXAM

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

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**3.1 EXAMINATION, CONT.**

**3.1.2 Interpreting data from history in order to assist in planning physical therapy exam by:**

83. 3.1.2.1 Developing a working hypothesis of the physical therapy diagnosis that includes, nature and severity of problem(s), probable cause(s) of problem(s), anatomical structures involved, stage of condition, possible contraindications to physical therapy examination.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

84. 3.1.2.2 Assessing "red flags" and determining need based upon whether patient demonstrates neuromusculoskeletal problems responsive to physical therapy intervention or condition(s) requiring referral to another health care provider.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

85. 3.1.2.3 Identifying chief and secondary problems.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

**3.1.3 Planning a physical exam that:**

86. 3.1.3.1 Includes examination techniques with a high probability of reproducing the chief complaint and contributing to the development and refinement of the working hypothesis(es).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

87. 3.1.3.2 Is comprehensive but has the focus and detail appropriate to the working hypothesis and the patient’s problems.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

88. 3.1.3.3 Considers the nature, severity, and irritability of the symptoms/problems.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

89. 3.1.3.4 Prioritizes areas, movements, and functional activities to be examined as well as examination procedures and examination sequence.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.1.4 SYSTEMS REVIEW / 3.1.5 TEST AND MEASURES

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

***Advanced beginner skill level.*** Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of a clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.

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***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**3.1 EXAMINATION, CONT.**

**3.1.4 SYSTEMS REVIEW.**

90. 3.1.4.1 Performing systems review to identify the impaired or unimpaired status of the: cardiovascular/pulmonary system, musculoskeletal system, neuromotor system, integumentary system, and/or communication ability.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

**3.1.5 Performing tests and measures that include:**

91. 3.1.5.1 Ergonomics and body mechanics.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

92. 3.1.5.2 Gait, locomotion, and balance.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

93. 3.1.5.3 Work (job/school/play), community and leisure integration or reintegration (including IADL).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

94. 3.1.5.4 Adaptive and supportive devices (e.g., taping, bracing, assistive devices, orthotics).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

95. 3.1.5.5 Pain.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

96. 3.1.5.6 Anthropometric characteristics (e.g., edema, body dimensions and composition).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.1.5 TEST AND MEASURES, CONT.

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

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**3.1 EXAMINATION, CONT.**

**3.1.5 Performing test and measures that include, cont.**

97. 3.1.5.7 Circulation (e.g., vertebral artery examination, skin condition, thoracic outlet tests, and peripheral pulses).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

98. 3.1.5.8 Aerobic capacity and endurance (e.g., dyspnea perceived exertion, heart rate).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

99. 3.1.5.9 Neurodynamics.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

100. 3.1.5.10 Sensory integrity (e.g., assessment of superficial sensation, dermatomes, myotomes, proprioception and kinesthesia, 2-point discrimination, quantitative sensory testing).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

101. 3.1.5.11 Reflex integrity (e.g., assessment of normal and pathological reflexes).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

102. 3.1.5.12 Motor control and coordination (e.g., assessment of timing of movements across segments, capability of acquiring new movement strategies).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

103. 3.1.5.13 Biopsychosocial functioning (e.g., depression, impaired motivation, FABQ, STarT Back, Tampa Kinesiophobia).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

104. 3.1.5.14 Joint integrity (i.e., mobility assessment of joint hypermobility and hypomobility to include passive range of motion, passive accessory motions, response to manual provocation).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.1.5 TEST AND MEASURES, CONT.

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

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**3.1 EXAMINATION, CONT.**

**3.1.5 Performing tests and measures that include, cont.**

105. 3.1.5.15 Community, home, and work barriers.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

106. 3.1.5.16 Integumentary integrity.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

107. 3.1.5.17 Muscle performance (e.g., strength, power, and endurance).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

108. 3.1.5.18 Neuromotor development and sensory integration (e.g., assessment of appropriate development, dexterity, coordination, and integration of the somatosensory system).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

109. 3.1.5.19 Posture (e.g., assessment of body or body segment(s) structure, alignment, changes in different positions, body contours).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

110. 3.1.5.20 Tissue-specific diagnostic tests (i.e., special tests).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

111. 3.1.5.21 Flexibility (e.g., length, stiffness).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

112. 3.1.5.22 Soft tissue quality (e.g., mobility, provocation).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

113. 3.1.5.23 Task-specific activities (e.g., lifting, bending, reaching).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.2 EVALUATION

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

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**3.2 EVALUATION: Evaluation is the dynamic process of clinical judgment. The orthopaedic spine subspecialist demonstrates evaluation by:**

114. 3.2.1 Synthesizing data from history, systems review, and physical examination (e.g., identify relevant, consistent, accurate data, prioritize impairments, assess patient's/client's needs, motivations and goals), according to the International Classification of Functioning, Disability and Health (ICF) model.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

115. 3.2.2 Developing a working diagnosis, including nature of complaint, probable cause, anatomical structures involved, stage of condition, pain mechanisms, psychosocial factors, and possible contraindications for physical therapy intervention.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

116. 3.2.3 Incorporating data from ancillary testing (e.g., imaging, labs, electrophysiological studies).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

117. 3.2.4 Referring patient/client to other health care professionals for further examination as appropriate.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

118. 3.2.5 Considering implications of exam findings on activity, quality of life, and wellness as established by the ICF.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

119. 3.2.6 Interpreting data from history and systems review (e.g., identify relevant, consistent, accurate data, prioritize impairments, assess patient's/client's needs, motivations and goals).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.3 DIAGNOSIS/3.4 PROGNOSIS

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

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**3.3 DIAGNOSIS.** Diagnosis is the determination of labels to describe multiple dimensions of the individual, ranging from the most basic cellular level to the highest level of functioning as a person in society. The orthopaedic spine subspecialist determines diagnosis by:

120. 3.3.1 Organizing examination findings into clusters, syndromes, or categories to which physical therapy interventions will be directed and to determine prognosis.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

**3.4 PROGNOSIS.** Prognosis is the determination of the predicted optimal level of improvement in function and the amount of time needed to reach that level. The orthopaedic spine subspecialist demonstrates prognosis by:

121. 3.4.1 The Orthopaedic Spine Physical Therapist establishes a prognosis including the complexity of the patient/client’s dysfunctions/conditions, the predicted optimal level of improvement in function, and the amount of time needed to reach that level.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5 INTERVENTION

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

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**3.5 INTERVENTION.** Physical therapists purposefully interact with the individual and, when appropriate, with other clinicians involved in his or her care, using various interventions to produce changes in the condition that are consistent with the diagnosis and prognosis. The orthopaedic spine subspecialist performs the following interventions:

122. 3.5.1 Ergonomics (influences of environment and occupation on posture and movement).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

123. 3.5.2 Education/training of functional activities.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

124. 3.5.3 Education/training of activities of daily living (e.g., hygiene, stair climbing, sleeping postures).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

**3.5.4 Education**:

125. 3.5.4.1 Concerning diagnosis, prognosis, treatment, responsibility, and self-management within plan of care.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

126. 3.5.4.2 Using the biopsychosocial/biomedical models.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

127. 3.5.4.3 Addressing pain physiology and dose response.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

128. 3.5.4.4 Addressing prevention and wellness.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5 INTERVENTION, CONT.

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

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**3.5 INTERVENTION, CONT.**

129. 3.5.5 Injury prevention and wellness promotion (e.g., task adaptation, behavior modification, body mechanics).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

130. 3.5.6 Sleep hygiene education (e.g., sleep schedules, technology usage, sleep habits, relationship between sleep and medication usage).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

131. 3.5.7 Nutritional education.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

132. 3.5.8 Pain neuroscience education.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

133. 3.5.9 Graded exposure.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

134. 3.5.10 Graded motor imagery.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

135. 3.5.4.11 Graded activity/exercise.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

136. 3.5.4.12 Protective, adaptive or supportive device or equipment (e.g., orthotics, taping).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

137. 3.5.4.13 Neural mobilization (e.g., nerve gliding).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5 INTERVENTION, CONT.

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

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**3.5 INTERVENTION, CONT.**

138. 3.5.14 Non-thrust mobilization/manipulation.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

139. 3.5.15 Thrust mobilization/manipulation.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

140. 3.5.16 Soft tissue mobilization (e.g., connective tissue, deep friction, cross friction massage, instrument-assisted).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

141. 3.5.17 Mobilization with movement.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

142. 3.5.18 Muscle energy techniques.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

143. 3.5.19 Traction/distraction.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

144. 3.5.4.20 Directional preference exercises/activities.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

145. 3.5.4.21 Electro-therapeutic modalities (e.g., TENS, NMES).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

146. 3.5.4.22 Thermo-therapeutic modalities (e.g., heat, ice, ultrasound).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5 INTERVENTION, CONT.

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

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**3.5 INTERVENTION, CONT.**

147. 3.5.23 Photo-therapeutic modalities (e.g., laser).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

148. 3.5.24 Dry needling.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

149. 3.5.25 Aerobic capacity and endurance exercises.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

150. 3.5.26 Motor coordination.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

151. 3.5.27 Muscle performance exercises (e.g., strength, muscle endurance).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

**3.5.28 Complementary interventions including:**

152. 3.5.28.1 Meditation.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

153. 3.5.28.2 Mindfulness.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

154. 3.5.28.3 Hypnosis.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.6 RE-ASSESSMENT/RE-EVALUATION

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

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**3.6 RE-ASSESSMENT/RE-EVALUATION.** The orthopaedic spine subspecialist performs re-assessment and re-evaluation by:

155. 3.6.1 Assessing intervention response.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

156. 3.6.2 Analyzing significance of changes.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

157. 3.6.3 Assessing change.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

158. 3.6.4 Re-examining/implementing a modified plan of care.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

159. 3.6.5 Confirming/modifying goals.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

160. 3.6.6 Making referrals to other providers as needed.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.7 OUTCOMES ASSESSMENT

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

***Advanced beginner skill level.*** Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of a clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.

***Competent skill level.*** Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.

***Proficient skill level.*** Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.

***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**3.7 OUTCOMES ASSESSMENT.** Outcomes assessment is the measurement of the actual results of implementing the plan of care that indicate the impact on functioning (body functions and structures, activities, and participation). The orthopaedic spine subspecialist performs outcomes assessment by:

161. 3.7.1 Assessing remediation of activity and participation limitations.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

162. 3.7.2 Assessing patient satisfaction.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

163. 3.7.3 Assessing promotion of primary and secondary prevention.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

164. 3.7.4 Assessing improvement of patient's/client's activities and participation based on best available evidence and patient/client-specific variables (i.e., benchmarking).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

165. 3.7.5 Using applicable, evidence-based outcomes measurement tools/questionnaires/scales (e.g., Oswestry, Fear Avoidance Behavior Questionnaire).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## PART 4 PRACTICE SETTINGS

**Part 4 - PRACTICE SETTINGS**

This section addresses your own clinical practice as an orthopaedic spine clinician.

166. 4.1 Please indicate the percentage of time you spend in the following settings as an orthopaedic spine physical therapist ***(total must equal 100%)***.

| | |
|---|---|
| Acute Care Hospital | |
| Hospital-based outpatient facility or clinic | |
| Private outpatient office or group practice | |
| Skilled nursing facility (SNF)/long-term care | |
| Patient's home/home care | |
| School system (preschool/primary/secondary) | |
| Academic institution (postsecondary) | |
| Health and wellness facility | |
| Research center | |
| Industry | |
| Inpatient rehab facility (IRF) | |
| Other | |

## PART 5 PATIENT POPULATIONS

**Part 5 - PATIENT POPULATIONS**

This section addresses your own clinical practice as an orthopaedic spine clinician.

167. 5.1 In the past year, what percentage of patients/clients have you provided physical therapy services for in the following age groups? ***(total must equal 100%)***

| | |
|---|---|
| Pediatrics (0-21 years of age) | |
| Adults (22-59 years of age) | |
| Geriatrics (60 years of age to end of life) | |

168. 5.2 In the past year, what percentage of patients/clients have you provided physical therapy services for in the following sex groups? ***(total must equal 100%)***

| | |
|---|---|
| Male | |
| Female | |
| Ambiguous | |

169. 5.3 Please indicate your referral sources by percentage below. ***(total must equal 100%)***

| | |
|---|---|
| Autonomous practice/self-referral | |
| Chiropractors | |
| Family practice physicians or other physician primary care providers | |
| Physician specialists (e.g. geriatrics physician) | |
| Physician assistants | |
| Podiatrist | |
| Nurse practitioners | |
| Other | |

170. 5.3.1 If you entered information for "Other" above, please list a different referral source and percentage.

# PART 6 MEDICAL CONDITIONS / 6.1 NERVOUS SYSTEM

**Part 6 - Medical Conditions**

The curriculum of all accredited orthopaedic spine fellowship programs must include a variety of medical conditions specific to orthopaedic spine.

This section addresses your clinicial practice as an orthopaedic spine clinician.

Your answers should reflect what you believe to be “orthopaedic spine subspecialty clinical practice” – i.e. practice that requires advanced knowledge and skill for efficient, effective performance, resulting in optimal patient/client care outcomes.

You are asked to rate each item in Part 2 on the following 3 scales:

**Frequency** - How frequently does the orthopaedic spine clinical subspecialist perform this activity?
0 - Never;
1 - Less than once a month;
2 - Monthly;
3 - Weekly;
4 - Daily

**Importance** - Regardless of the frequency of occurrence, how important is this activity in everyday practice as an orthopaedic spine clinical subspecialist?
0 – Not important;
1 – Of little importance;
2 – Moderately important;
3 – Very important

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?
0 - Advanced beginner level;
1 - Competent skill level;
2 - Proficient skill level;
3 - Expert skill level

Level of Master Definitions - Please keep the following definitions for the skill levels indicated in the Level of Mastery scale in mind when completing the survey:
***Advanced beginner level***: Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.
***Competent skill level***: Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.
***Proficient skill level***: Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.
***Expert skill level:*** Physical therapists at this level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid, and efficient. Clinical decision-making is rapid and accurate.

**6.1 NERVOUS SYSTEM**

171. 6.1.1 Cervical Radiculopathy.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

172. 6.1.2 Lumbar Radiculopathy.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

173. 6.1.3 Thoracic Outlet Syndrome.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

174. 6.1.4 Other peripheral neural impingements (not including thoracic outlet syndrome; e.g., carpal tunnel, Guyon's canal entrapment, peroneal nerve entrapment, tarsal tunnel syndrome).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

175. 6.1.5 Meralgia paresthetica.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

176. 6.1.6 Cervical Myelopathy.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2 MUSCULOSKELETAL SYSTEM

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

***Advanced beginner skill level.*** Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of a clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.

***Competent skill level.*** Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.

***Proficient skill level.*** Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.

***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**6.2 MUSCULOSKELETAL SYSTEM**

177. 6.2.1 Cervical Disc Pathologies (e.g., DDD, protrusion, herniation).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

178. 6.2.2 Cervical Instability.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

179. 6.2.3 Cervical Sprain/Strain.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

180. 6.2.4 Cervicogenic Headache.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

181. 6.2.5 Chronic Pain Syndromes.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

182. 6.2.6 Other Disorders of Cervical Spine.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

183. 6.2.7 Temporomandibular Dysfunction.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

184. 6.2.8 Disorders of the Hip.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2 MUSCULOSKELETAL SYSTEM, CONT.

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

***Advanced beginner skill level.*** Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of a clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.

***Competent skill level.*** Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.

***Proficient skill level.*** Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.

***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**6.2 MUSCULOSKELETAL SYSTEM, CONT.**

185. 6.2.9 Lumbar Disc Pathologies (e.g., DDD, protrusion, herniation).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

186. 6.2.10 Lumbar Instability.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

187. 6.2.11 Lumbar Spondylosis / Spondylolisthesis.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

188. 6.2.12 Lumbar Strain.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

189. 6.2.13 Other Disorders of the Lumbar Spine.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

190. 6.2.14 Piriformis Syndrome.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

191. 6.2.15 Sacroiliac Dysfunction.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

192. 6.2.16 Other Disorders of the Pelvic Girdle.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2 MUSCULOSKELETAL SYSTEM, CONT.

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

***Advanced beginner skill level.*** Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of a clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.

***Competent skill level.*** Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.

***Proficient skill level.*** Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.

***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**6.2 MUSCULOSKELETAL SYSTEM, CONT.**

### 193. 6.2.17 Rotator Cuff Pathology.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 194. 6.2.18 Disorders of the Shoulder Complex.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 195. 6.2.19 Rib Dysfunction.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

196. 6.2.20 Thoracic Sprain/Strain.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

197. 6.2.21 Other Disorders of the Thoracic Spine.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

198. 6.2.22 Curvature of the spine (e.g., scoliosis, kyphosis, lordosis).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

199. 6.2.23 Diastasis recti.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

200. 6.2.24 Facet dysfunction (cervical, throacic, lumbar).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

201. 6.2.25 Operative procedure on spinal structure.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

202. 6.2.26 Spinal stenosis.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.3 ANSWER TO OTHER

* 203. 6.3 Please list any other diagnosis/condition/problem not identified previously that you see as an orthopaedic spine clinician, and percentage of time you treat the condition(s).

## PART 7 DEMOGRAPHIC INFORMATION

**Part 7 - DEMOGRAPHIC INFORMATION**

Please answer each item by selecting the option that most clearly describes you or your professional activities. Demographic information is collected for purposes of group analysis. Individual responses are confidential.

204. 7.1 In which geographic region is the major portion of your practice?

205. 7.2 What is your entry-level physical therapy education?

206. 7.3 What is your highest earned academic degree in any area of study?

207. 7.4 What is the total number of years you have been a practicing physical therapist?

208. 7.5 What is the total number of years you have primarily practiced in Orthopaedic Spine physical therapy?

## PART 7: DEMOGRAPHIC INFORMATION, CONT.

**Part 7 - DEMOGRAPHIC INFORMATION, CONT.**

209. 7.6 Please indicate any ABPTS board certifications you currently hold (select all that apply):

- [ ] Cardiovascular and Pulmonary
- [ ] Clinical Electrophysiology
- [ ] Geriatrics
- [ ] Neurology
- [ ] Oncology
- [ ] Orthopaedics
- [ ] Pediatrics
- [ ] Sports
- [ ] Women's Health
- [ ] Wound Management
- [ ] None of the above

210. 7.7 Please indicate if you graduated from an ABPTRFE-accredited residency program in any of the following areas of specialty practice (select all that apply):

- [ ] Acute Care
- [ ] Cardiovascular and Pulmonary
- [ ] Clinical Electrophysiology
- [ ] Faculty
- [ ] Geriatrics
- [ ] Neurology
- [ ] Oncology
- [ ] Orthopaedics
- [ ] Pediatrics
- [ ] Sports
- [ ] Women's Health
- [ ] Wound Management
- [ ] None of the above

211. 7.8 Please indicate if you graduated from an ABPTRFE-accredited fellowship program in any of the following areas of subspecialty practice (select all that apply):

- [ ] Critical Care
- [ ] Hand Therapy
- [ ] Higher Education Leadership
- [ ] Movement System
- [ ] Neonatology
- [ ] Orthopaedic Manual Physical Therapy
- [ ] Performing Arts
- [ ] Spine
- [ ] Sports Division 1
- [ ] Upper Extremity Athlete
- [ ] None of the above

212. 7.9 Based on state law and facility policies, do you evaluate and/or treat patients/clients without a physician referral?

- ( ) Yes
- ( ) No

## PART 7: DEMOGRAPHIC INFORMATION, CONT.

**Part 7 - DEMOGRAPHIC INFORMATION, CONT.**

213. 7.10 What is your current employment status at your primary position (35 or more hours per week is full-time)?

- ○ Full-time salaried
- ○ Part-time salaried
- ○ Full-time self employed
- ○ Part-time self employed
- ○ Retired
- ○ Unemployed/not seeking work
- ○ Unemployed/seeking full-time employment
- ○ Unemployed/seeking part-time employment
- ○ Full-time hourly
- ○ Part-time hourly

214. 7.11 What educational method has had the MOST influence on developing your present level of clinical skills? ***(Check one category only)***

- ○ Self-study (books, articles, videotapes, home study courses)
- ○ In service, peer interaction
- ○ Continuing education courses, workshops, seminars, study groups
- ○ Mentoring
- ○ Formal pediatric residency program
- ○ Formal neonatology fellowship program
- ○ Graduate program

215. 7.12 Are you a member of the APTA?

- ○ Yes
- ○ No

216. 7.13 Please indicate any APTA Section you are a member of (select all that apply):

- [ ] Acute Care
- [ ] Aquatics
- [ ] Cardiovascular and Pulmonary
- [ ] Clinical Electrophysiology and Wound Management
- [ ] Education
- [ ] Federal
- [ ] Geriatrics
- [ ] Hand and Upper Extremity
- [ ] Health Policy and Administration
- [ ] Home Health
- [ ] Neurology
- [ ] Oncology
- [ ] Orthopaedics
- [ ] Pediatrics
- [ ] Pelvic Health
- [ ] Private Practice
- [ ] Research
- [ ] Sports
- [ ] None of the above

## PART 7: DEMOGRAPHIC INFORMATION, CONT.

**Part 7 - DEMOGRAPHIC INFORMATION, CONT.**

217. 7.14 What is your sex?

218. 7.15 What is your age?

219. 7.16 Which of the following best describes your race/ethnic origin?

- American Indian or Alaskan Native
- Asian
- African-American or Black (Not Hispanic)
- White (Not Hispanic)
- Hispanic/Latino
- Other
- Pacific Islander or Native Hawaiian

## PART 8 OTHER INFORMATION

**Part 8 - OTHER INFORMATION**

220. 8.1 Please use the space below to share any concerns you have or additional items that you feel should be included in this survey.

Thank you for your professional time and thought to complete this survey.

## Descriptives in Survey Order

| Key | # of items |
|---|---|
| High frequency (>= 3.0), high imp | 134 |
| Low frequency (< 3.0), high impo | 18 |
| High frequency (>= 3.0), low imp | 16 |
| Low frequency (< 3.0), low impo | 28 |

| Response Scales | | |
|---|---|---|
| Frequency | Importance | Level of Judgment/Mastery |
| 0. Never | 0. Not important | 0. Do not use/ Advanced beginner skill level |
| 1. Less than monthly | 1. Of little importance | 1. Recall/ Competent skill level |
| 2. Monthly | 2. Moderately important | 2. Application/ Proficient skill level |
| 3. Weekly | 3. Very important | 3. Analysis/Expert skill level |
| 4. Daily | | |

| Survey Item # | Survey Section | Item/Label | Frequency | | | Importance | | | Level of Judgment/Mastery | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | N | Mean | SD | N | Mean | SD | N | Mean | SD |
| 2 | 1.1 Foundation Sciences | 1.1.1.1 Musculoskeletal system. | 27 | 4.00 | 0.00 | 27 | 2.96 | 0.19 | 26 | 2.88 | 0.33 |
| 3 | 1.1 Foundation Sciences | 1.1.1.2 Neuromuscular system. | 27 | 4.00 | 0.00 | 27 | 2.96 | 0.19 | 27 | 2.93 | 0.27 |
| 4 | 1.1 Foundation Sciences | 1.1.1.3 Cardiovascular and pulmonary systems. | 27 | 3.11 | 0.80 | 27 | 2.19 | 0.56 | 27 | 2.19 | 0.68 |
| 5 | 1.1 Foundation Sciences | 1.1.1.4 Integumentary system. | 27 | 2.96 | 1.02 | 27 | 2.00 | 0.78 | 27 | 1.89 | 0.80 |
| 6 | 1.1 Foundation Sciences | 1.1.1.5 Human growth and development across the lifespan. | 27 | 3.11 | 0.85 | 27 | 2.19 | 0.62 | 27 | 2.22 | 0.80 |
| 7 | 1.1 Foundation Sciences | 1.1.1.6 Histology (e.g., connective tissue, muscle fiber type, immunity). | 27 | 3.11 | 0.89 | 27 | 2.26 | 0.66 | 27 | 2.26 | 0.76 |
| 8 | 1.1 Foundation Sciences | 1.1.1.7 Other systems (e.g., endocrine, digestive, genitourinary). | 27 | 2.89 | 0.85 | 27 | 2.00 | 0.68 | 27 | 1.93 | 0.73 |
| 9 | 1.2 Clinical Sciences | 1.1.2.1 Kinesiology/biomechanics. | 27 | 4.00 | 0.00 | 27 | 3.00 | 0.00 | 27 | 2.93 | 0.27 |
| 10 | 1.2 Clinical Sciences | 1.1.2.2 Neural control of movement. | 27 | 3.96 | 0.19 | 27 | 2.96 | 0.19 | 27 | 2.81 | 0.40 |
| 11 | 1.2 Clinical Sciences | 1.1.2.3 Ergonomics. | 27 | 3.78 | 0.42 | 26 | 2.73 | 0.53 | 27 | 2.63 | 0.49 |
| 12 | 1.2 Clinical Sciences | 1.1.2.4 Locomotion. | 27 | 3.96 | 0.19 | 27 | 2.89 | 0.32 | 27 | 2.78 | 0.42 |
| 13 | 1.2 Clinical Sciences | 1.2.1.1 Signs and symptoms of disease/injury. | 26 | 3.92 | 0.39 | 26 | 2.85 | 0.37 | 26 | 2.65 | 0.63 |
| 14 | 1.2 Clinical Sciences | 1.2.1.2 Progression of disease/injury processes. | 26 | 3.88 | 0.33 | 26 | 2.77 | 0.43 | 26 | 2.58 | 0.64 |
| 15 | 1.2 Clinical Sciences | 1.2.1.3 Pathokinesiology. | 25 | 3.92 | 0.28 | 25 | 2.76 | 0.44 | 25 | 2.56 | 0.65 |
| 16 | 1.2 Clinical Sciences | 1.2.1.4 Tissue inflammation, healing, and repair. | 25 | 3.96 | 0.20 | 25 | 2.92 | 0.28 | 25 | 2.68 | 0.56 |
| 17 | 1.2 Clinical Sciences | 1.2.2.1 Imaging studies. | 26 | 3.50 | 0.71 | 26 | 2.31 | 0.62 | 26 | 2.08 | 0.80 |
| 18 | 1.2 Clinical Sciences | 1.2.2.2 Pharmacology. | 26 | 3.42 | 0.70 | 26 | 2.19 | 0.57 | 26 | 1.58 | 0.70 |
| 19 | 1.2 Clinical Sciences | 1.2.2.3 Ancillary tests (e.g., lab studies, EKG, electrophysiological exams). | 26 | 2.73 | 0.78 | 26 | 2.04 | 0.60 | 26 | 1.69 | 0.74 |
| 20 | 1.2 Clinical Sciences | 1.2.2.4 Nonsurgical interventional spine procedures (e.g., injections, radial ablation, denervation procedures) and their indications, contraindications, and precautions for orthopaedic spine physical therapy. | 26 | 3.19 | 0.90 | 26 | 2.38 | 0.64 | 26 | 2.12 | 0.71 |
| 21 | 1.2 Clinical Sciences | 1.2.2.5 Spine surgical interventions and their indications, contraindications, and precautions for orthopaedic spine physical therapy. | 26 | 3.04 | 0.92 | 26 | 2.58 | 0.50 | 26 | 2.19 | 0.75 |
| 22 | 1.2 Clinical Sciences | 1.2.2.6 Developments in genetics/regenerative medicine (e.g., genetic markers, stem cell applications, genetic-based alterations to pharmacological interventions, immunity. | 26 | 1.62 | 1.33 | 26 | 1.62 | 0.80 | 26 | 1.27 | 1.04 |
| 23 | 1.3 Behavioral Sciences | 1.3.1.1 External environmental factors (e.g., expected behaviors and social pressures). | 26 | 3.69 | 0.62 | 26 | 2.62 | 0.57 | 26 | 2.50 | 0.51 |
| 24 | 1.3 Behavioral Sciences | 1.3.1.2 Personal factors (e.g., compliance, body awareness, pain perception, and related psychosocial factors). | 26 | 3.92 | 0.39 | 26 | 2.77 | 0.43 | 26 | 2.65 | 0.49 |
| 25 | 1.3 Behavioral Sciences | 1.3.1.3 Psychological/emotional conditions (e.g., anxiety, depression, catastrophization). | 26 | 3.85 | 0.37 | 26 | 2.88 | 0.33 | 26 | 2.62 | 0.50 |
| 26 | 1.3 Behavioral Sciences | 1.3.1.4 Impact of behavioral health risk factors (e.g., smoking effects on healing rates). | 26 | 3.54 | 0.76 | 26 | 2.58 | 0.58 | 26 | 2.31 | 0.62 |
| 27 | 1.3 Behavioral Sciences | 1.3.2.1 Peripheral nociceptive pain physiology. | 25 | 3.80 | 0.41 | 25 | 2.84 | 0.37 | 25 | 2.68 | 0.48 |
| 28 | 1.3 Behavioral Sciences | 1.3.2.2 Peripheral neurogenic/neuropathic pain physiology. | 26 | 3.77 | 0.51 | 26 | 2.88 | 0.33 | 26 | 2.69 | 0.47 |
| 29 | 1.3 Behavioral Sciences | 1.3.2.3 Central nervous system/nociplastic pain physiology. | 26 | 3.73 | 0.53 | 26 | 2.81 | 0.40 | 26 | 2.81 | 0.40 |
| 30 | 1.3 Behavioral Sciences | 1.3.2.4 Output mechanisms and expressions (e.g., immune, endocrine, sympathetic, behavioral). | 26 | 3.42 | 0.64 | 26 | 2.42 | 0.50 | 25 | 2.40 | 0.65 |
| 31 | 1.3 Behavioral Sciences | 1.3.3.1 Biopsychosocial model. | 26 | 3.85 | 0.37 | 25 | 2.80 | 0.41 | 26 | 2.58 | 0.50 |
| 32 | 1.3 Behavioral Sciences | 1.3.3.2 Exercise physiology across the lifespan. | 26 | 3.65 | 0.63 | 26 | 2.62 | 0.57 | 26 | 2.35 | 0.63 |
| 33 | 1.3 Behavioral Sciences | 1.3.3.3 Manual therapy techniques. | 26 | 3.96 | 0.20 | 26 | 2.85 | 0.37 | 26 | 2.69 | 0.47 |
| 34 | 1.3 Behavioral Sciences | 1.3.3.4 Movement systems impairments. | 26 | 3.96 | 0.20 | 26 | 3.00 | 0.00 | 25 | 2.80 | 0.41 |
| 35 | 1.3 Behavioral Sciences | 1.3.3.5 Motor control and motor learning. | 26 | 4.00 | 0.00 | 26 | 2.96 | 0.20 | 25 | 2.80 | 0.41 |
| 36 | 1.3 Behavioral Sciences | 1.3.3.6 Theory and application of orthotic, protective, and supportive devices. | 26 | 2.73 | 0.87 | 26 | 2.08 | 0.63 | 26 | 2.23 | 0.65 |
| 37 | 1.3 Behavioral Sciences | 1.3.3.7 Therapeutic exercise. | 26 | 4.00 | 0.00 | 26 | 2.96 | 0.20 | 26 | 2.81 | 0.40 |
| 38 | 1.3 Behavioral Sciences | 1.3.3.8 Models of differential diagnosis and clinical reasoning (e.g., hypothesis-oriented algorithm for clinicians (HOAC) model, prospect theory). | 26 | 3.65 | 0.69 | 26 | 2.54 | 0.65 | 24 | 2.58 | 0.65 |
| 39 | 1.3 Behavioral Sciences | 1.3.3.9 Principles of teaching and learning. | 26 | 3.65 | 0.56 | 26 | 2.73 | 0.45 | 26 | 2.58 | 0.50 |
| 40 | 1.3 Behavioral Sciences | 1.3.3.10 Principles of prevention and wellness. | 26 | 3.58 | 0.58 | 26 | 2.62 | 0.57 | 26 | 2.38 | 0.50 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 41 | 1.4 Critical Inquiry for Evidence-I | 1.4.1 Appraisal of research findings on orthopaedic spine physical therapy practice. | 26 | 2.65 | 1.06 | 26 | 2.46 | 0.58 | 26 | 2.31 | 0.74 |
| 42 | 1.4 Critical Inquiry for Evidence-I | 1.4.2 Application of research findings to orthopaedic spine physical therapy practice. | 26 | 3.42 | 0.70 | 26 | 2.62 | 0.50 | 26 | 2.50 | 0.65 |
| 43 | 2.1 Professional Behavior | 2.1.1 Consulting with and/or educating peers, colleagues, other health care professionals, community, agencies, legislative and/or regulatory organizations regarding issues of orthopaedic spine physical therapy practice. | 26 | 2.92 | 0.89 | 26 | 2.69 | 0.47 | 25 | 2.32 | 0.75 |
| 44 | 2.1 Professional Behavior | 2.1.2 Using patient-centered ethics and values in complex clinical decision making. | 26 | 3.77 | 0.59 | 26 | 2.88 | 0.33 | 26 | 2.12 | 0.95 |
| 45 | 2.1 Professional Behavior | 2.1.3 Maintaining active participation in professional organizations that address issues related to orthopaedic spine care. | 26 | 2.00 | 1.06 | 26 | 2.23 | 0.59 | 26 | 1.65 | 1.02 |
| 46 | 2.1 Professional Behavior | 2.1.4 Maintaining state-of-the-art knowledge and skills by seeking own mentors and participating in continuing professional development (e.g., seminars, structured study, journal clubs, etc.). | 26 | 2.27 | 0.96 | 26 | 2.65 | 0.49 | 26 | 2.15 | 0.67 |
| 47 | 2.2 Leadership | 2.2.1 Representing orthopaedic spine physical therapy and interacting with other professionals and organizations (e.g., inter-professional interaction and mentoring). | 26 | 2.42 | 1.10 | 26 | 2.50 | 0.58 | 26 | 2.31 | 0.84 |
| 48 | 2.2 Leadership | 2.2.2 Planning, directing, organizing, and managing human, technical, environmental, and financial resources effectively and efficiently. | 26 | 2.54 | 1.42 | 25 | 2.20 | 0.71 | 25 | 2.00 | 0.87 |
| 49 | 2.2 Leadership | 2.2.3 Modeling and facilitating the translation of evidence into clinical practice as it relates to orthopaedic spine care. | 26 | 3.23 | 1.03 | 26 | 2.69 | 0.55 | 26 | 2.46 | 0.58 |
| 50 | 2.2 Leadership | 2.2.4 Acting as an expert resource for peers in the clinic and community for guidance on complex cases and problem solving/clinical reasoning as it relates to orthopaedic spine care. | 26 | 3.27 | 0.78 | 26 | 2.81 | 0.40 | 26 | 2.69 | 0.55 |
| 51 | 2.3 Communication | 2.3.1 Empowering patients with orthopaedic spine conditions in the management of their own health (e.g., providing patients confidence to manage future occurrences of spine-related pain). | 26 | 3.92 | 0.27 | 26 | 3.00 | 0.00 | 26 | 2.35 | 0.80 |
| 52 | 2.3 Communication | 2.3.2 Facilitating collaborative and multidisciplinary team management and transition of care for individuals with orthopaedic spine conditions. | 26 | 3.23 | 0.65 | 26 | 2.77 | 0.43 | 26 | 2.15 | 0.83 |
| 53 | 2.4 Advocacy | 2.4.1 Promoting the orthopaedic spine physical therapist as the first contact provider in musculoskeletal spine pathology. | 26 | 3.35 | 0.80 | 25 | 2.60 | 0.65 | 26 | 2.35 | 0.85 |
| 54 | 2.4 Advocacy | 2.4.2 Advocating for orthopaedic spine physical therapy practice with national organizations, healthcare systems or law-making bodies. | 26 | 1.62 | 1.13 | 26 | 2.42 | 0.58 | 26 | 2.04 | 1.04 |
| 55 | 2.5 Education | 2.5.1 Contributing to the professional development of other physical therapists by teaching/mentoring. | 26 | 2.54 | 0.71 | 26 | 2.65 | 0.49 | 26 | 2.42 | 0.81 |
| 56 | 2.5 Education | 2.5.2 Promoting awareness and benefits of fellowship programs in orthopaedic spine physical therapy. | 26 | 2.08 | 0.93 | 26 | 2.38 | 0.57 | 26 | 2.08 | 0.74 |
| 57 | 2.5 Education | 2.5.3 Educating the public regarding spine conditions, the role of orthopaedic spine physical therapists, and addressing common misconceptions. | 26 | 2.58 | 1.10 | 26 | 2.50 | 0.58 | 26 | 2.04 | 0.60 |
| 58 | 2.5 Education | 2.5.4 Educating other health care professionals and administrators as to the scope and role of orthopaedic spine physical therapists. | 26 | 2.46 | 1.03 | 26 | 2.50 | 0.58 | 26 | 2.12 | 0.71 |
| 59 | 2.6 Critical Inquiry and Evidence- | 2.6.1 Applying principles of evidence-based practice in patient/client management. | 26 | 3.73 | 0.60 | 26 | 2.81 | 0.40 | 26 | 2.27 | 0.83 |
| 60 | 2.6 Critical Inquiry and Evidence- | 2.6.2 Contributing to the body of evidence in orthopaedic spine physical therapy (e.g., peer-reviewed and non-peer-reviewed presentations and publications). | 26 | 0.96 | 0.72 | 26 | 2.19 | 0.63 | 26 | 1.88 | 0.95 |
| 61 | 2.6 Critical Inquiry and Evidence- | 2.6.3 Evaluating the efficacy and effectiveness of examination tools, interventions, and technologies based upon available evidence. | 26 | 2.50 | 1.14 | 26 | 2.27 | 0.53 | 26 | 2.15 | 0.83 |
| 62 | 2.6 Critical Inquiry and Evidence- | 2.6.4 Identifying research needs within the field of orthopaedic spine physical therapy, evaluating outcomes data, and assessing new concepts and technologies. | 26 | 1.58 | 0.90 | 26 | 2.19 | 0.63 | 26 | 2.00 | 0.89 |
| 63 | 3.1.1 History | 3.1.1.1.1 Current and prior work. | 25 | 3.64 | 0.76 | 25 | 2.64 | 0.57 | 25 | 1.96 | 0.89 |
| 64 | 3.1.1 History | 3.1.1.1.2 Activity requirements/occupational demands. | 25 | 3.60 | 1.00 | 25 | 2.68 | 0.56 | 25 | 1.80 | 1.00 |
| 65 | 3.1.1 History | 3.1.1.1.3 Ergonomic considerations. | 25 | 3.84 | 0.47 | 25 | 2.68 | 0.56 | 25 | 1.96 | 0.89 |
| 66 | 3.1.1 History | 3.1.1.1.4 Utilization of adaptive and supportive devices (e.g., taping, bracing, assistive devices, orthotics). | 25 | 3.24 | 0.78 | 25 | 2.28 | 0.61 | 25 | 1.84 | 0.80 |
| 67 | 3.1.1 History | 3.1.1.2.1 Recognition of contributions from multiple body regions. | 25 | 4.00 | 0.00 | 23 | 2.87 | 0.34 | 23 | 2.30 | 0.93 |
| 68 | 3.1.1 History | 3.1.1.2.2 Quality and behavior of symptoms. | 25 | 3.96 | 0.20 | 23 | 2.83 | 0.39 | 24 | 2.33 | 0.92 |
| 69 | 3.1.1 History | 3.1.1.2.3 Symptom irritability (onset, offset, and overall baseline). | 25 | 4.00 | 0.00 | 23 | 2.96 | 0.21 | 25 | 2.36 | 0.95 |
| 70 | 3.1.1 History | 3.1.1.2.4 Onset of condition (e.g., mechanism of injury, insidious onset, potential contributing factors). | 25 | 3.92 | 0.28 | 24 | 2.92 | 0.28 | 25 | 2.28 | 0.89 |
| 71 | 3.1.1 History | 3.1.1.2.5 Current and previous therapeutic interventions. | 25 | 3.96 | 0.20 | 25 | 2.80 | 0.41 | 25 | 2.28 | 0.94 |
| 72 | 3.1.1 History | 3.1.1.2.6 Readiness for change. | 25 | 3.96 | 0.20 | 25 | 2.84 | 0.37 | 25 | 2.32 | 0.75 |
| 73 | 3.1.1 History | 3.1.1.2.7 Goals of the patient, family, and caregiver. | 25 | 3.88 | 0.33 | 25 | 2.84 | 0.37 | 25 | 2.28 | 0.98 |
| 74 | 3.1.1 History | 3.1.1.3 Obtaining data regarding functional status and activity level of daily living. | 25 | 3.92 | 0.28 | 25 | 2.76 | 0.44 | 25 | 2.12 | 0.97 |
| 75 | 3.1.1 History | 3.1.1.4.1 Physical function. | 25 | 3.96 | 0.20 | 25 | 2.84 | 0.37 | 25 | 2.16 | 0.99 |
| 76 | 3.1.1 History | 3.1.1.4.2 Psychosocial factors (e.g., anxiety, depression, catastrophizing). | 25 | 3.84 | 0.47 | 25 | 2.92 | 0.28 | 25 | 2.48 | 0.71 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3.1.1.5 Obtaining data regarding social/health habits (past and current), including behavioral health | 24 | 3.92 | 0.28 | | | | | | |
| 77 | 3.1.1 History | risks (e.g., nutrition, smoking, substance use, sleep) and fitness level. | | | | 25 | 2.72 | 0.46 | 25 | 2.28 | 0.74 |
| 78 | 3.1.1 History | 3.1.1.6 Obtaining medical/surgical history data. | 25 | 3.96 | 0.20 | 25 | 2.80 | 0.41 | 25 | 2.04 | 1.02 |
| | | 3.1.1.7 Obtaining data regarding medication usage patterns and effects of medications currently | 25 | 3.84 | 0.37 | | | | | | |
| 79 | 3.1.1 History | and previously taken (for chief complaint and for other conditions). | | | | 25 | 2.56 | 0.58 | 25 | 2.00 | 0.87 |
| | | | 25 | 3.92 | 0.28 | | | | | | |
| 80 | 3.1.1 History | 3.1.1.8 Obtaining data regarding social history (e.g., cultural beliefs and support systems). | | | | 25 | 2.72 | 0.46 | 25 | 2.28 | 0.74 |
| 81 | 3.1.1 History | 3.1.1.9 Obtaining general demographic information. | 25 | 3.88 | 0.33 | 25 | 2.40 | 0.58 | 25 | 1.88 | 0.97 |
| 82 | 3.1.1 History | 3.1.1.10 Obtaining data on living environment and community characteristics. | 25 | 3.84 | 0.47 | 25 | 2.44 | 0.58 | 25 | 1.92 | 1.00 |
| | | 3.1.2.1 Developing a working hypothesis of the physical therapy diagnosis that includes, nature and | 24 | 3.96 | 0.20 | | | | | | |
| | | severity of problem(s), probable cause(s) of problem(s), anatomical structures involved, stage of | | | | | | | | | |
| 83 | 3.1.2 Interpreting Data from Hist | condition, possible contraindications to physical therapy examination. | | | | 22 | 3.00 | 0.00 | 23 | 2.48 | 0.79 |
| | | 3.1.2.2 Assessing "red flags" and determining need based upon whether patient demonstrates | | | | | | | | | |
| | | neuromusculoskeletal problems responsive to physical therapy intervention or condition(s) | 24 | 3.96 | 0.20 | | | | | | |
| 84 | 3.1.2 Interpreting Data from Hist | requiring referral to another health care provider. | | | | 24 | 2.96 | 0.20 | 23 | 2.52 | 0.73 |
| 85 | 3.1.2 Interpreting Data from Hist | 3.1.2.3 Identifying chief and secondary problems. | 24 | 4.00 | 0.00 | 24 | 2.83 | 0.38 | 23 | 2.35 | 0.88 |
| | | 3.1.3.1 Includes examination techniques with a high probability of reproducing the chief complaint | 24 | 4.00 | 0.00 | | | | | | |
| 86 | 3.1.3 Planning a Physical Exam | and contributing to the development and refinement of the working hypothesis(es). | | | | 24 | 3.00 | 0.00 | 24 | 2.46 | 0.72 |
| | | 3.1.3.2 Is comprehensive but has the focus and detail appropriate to the working hypothesis and | 24 | 4.00 | 0.00 | | | | | | |
| 87 | 3.1.3 Planning a Physical Exam | the patientâ€™s problems. | | | | 24 | 2.88 | 0.34 | 24 | 2.50 | 0.59 |
| 88 | 3.1.3 Planning a Physical Exam | 3.1.3.3 Considers the nature, severity, and irritability of the symptoms/problems. | 24 | 4.00 | 0.00 | 24 | 2.83 | 0.38 | 24 | 2.54 | 0.72 |
| | | 3.1.3.4 Prioritizes areas, movements, and functional activities to be examined as well as | 24 | 3.96 | 0.20 | | | | | | |
| 89 | 3.1.3 Planning a Physical Exam | examination procedures and examination sequence. | | | | 24 | 2.83 | 0.38 | 23 | 2.52 | 0.73 |
| | | 3.1.4.1 Performing systems review to identify the impaired or unimpaired status of the: | | | | | | | | | |
| | | cardiovascular/pulmonary system, musculoskeletal system, neuromotor system, integumentary | 24 | 3.75 | 0.53 | | | | | | |
| 90 | 3.1.4 Systems Review | system, and/or communication ability. | | | | 23 | 2.70 | 0.47 | 23 | 2.13 | 0.92 |
| 91 | 3.1.5 Test and Measures | 3.1.5.1 Ergonomics and body mechanics. | 24 | 3.96 | 0.20 | 24 | 2.88 | 0.34 | 23 | 2.35 | 0.83 |
| 92 | 3.1.5 Test and Measures | 3.1.5.2 Gait, locomotion, and balance. | 24 | 4.00 | 0.00 | 24 | 2.92 | 0.28 | 24 | 2.33 | 0.92 |
| | | | 23 | 3.96 | 0.21 | | | | | | |
| 93 | 3.1.5 Test and Measures | 3.1.5.3 Work (job/school/play), community and leisure integration or reintegration (including IADL). | | | | 23 | 2.78 | 0.42 | 23 | 2.43 | 0.79 |
| | | | 24 | 3.25 | 0.94 | | | | | | |
| 94 | 3.1.5 Test and Measures | 3.1.5.4 Adaptive and supportive devices (e.g., taping, bracing, assistive devices, orthotics). | | | | 24 | 2.33 | 0.56 | 24 | 2.00 | 0.78 |
| 95 | 3.1.5 Test and Measures | 3.1.5.5 Pain. | 24 | 4.00 | 0.00 | 24 | 2.96 | 0.20 | 24 | 2.38 | 0.97 |
| | | | 24 | 3.46 | 0.72 | | | | | | |
| 96 | 3.1.5 Test and Measures | 3.1.5.6 Anthropometric characteristics (e.g., edema, body dimensions and composition). | | | | 24 | 2.42 | 0.50 | 24 | 2.04 | 0.86 |
| | | 3.1.5.7 Circulation (e.g., vertebral artery examination, skin condition, thoracic outlet tests, and | 24 | 3.17 | 0.70 | | | | | | |
| 97 | 3.1.5 Test and Measures | peripheral pulses). | | | | 24 | 2.71 | 0.46 | 24 | 2.08 | 0.88 |
| 98 | 3.1.5 Test and Measures | 3.1.5.8 Aerobic capacity and endurance (e.g., dyspnea perceived exertion, heart rate). | 24 | 3.08 | 0.88 | 24 | 2.54 | 0.51 | 24 | 1.96 | 0.81 |
| 99 | 3.1.5 Test and Measures | 3.1.5.9 Neurodynamics. | 24 | 3.92 | 0.28 | 24 | 2.92 | 0.28 | 24 | 2.46 | 0.83 |
| | | 3.1.5.10 Sensory integrity (e.g., assessment of superficial sensation, dermatomes, myotomes, | 24 | 3.71 | 0.46 | | | | | | |
| 100 | 3.1.5 Test and Measures | proprioception and kinesthesia, 2-point discrimination, quantitative sensory testing). | | | | 24 | 2.88 | 0.34 | 24 | 2.33 | 1.01 |
| 101 | 3.1.5 Test and Measures | 3.1.5.11 Reflex integrity (e.g., assessment of normal and pathological reflexes). | 24 | 3.67 | 0.48 | 24 | 2.92 | 0.28 | 24 | 2.33 | 1.01 |
| | | 3.1.5.12 Motor control and coordination (e.g., assessment of timing of movements across | 24 | 4.00 | 0.00 | | | | | | |
| 102 | 3.1.5 Test and Measures | segments, capability of acquiring new movement strategies). | | | | 24 | 2.88 | 0.34 | 24 | 2.38 | 0.88 |
| | | 3.1.5.13 Biopsychosocial functioning (e.g., depression, impaired motivation, FABQ, STarT Back, | 24 | 3.58 | 0.72 | | | | | | |
| 103 | 3.1.5 Test and Measures | Tampa Kinesiophobia). | | | | 24 | 2.71 | 0.46 | 24 | 2.29 | 0.75 |
| | | 3.1.5.14 Joint integrity (i.e., mobility assessment of joint hypermobility and hypomobility to include | 24 | 3.96 | 0.20 | | | | | | |
| 104 | 3.1.5 Test and Measures | passive range of motion, passive accessory motions, response to manual provocation). | | | | 24 | 3.00 | 0.00 | 24 | 2.50 | 0.83 |
| 105 | 3.1.5 Test and Measures | 3.1.5.15 Community, home, and work barriers. | 24 | 3.46 | 0.88 | 24 | 2.50 | 0.66 | 24 | 2.08 | 0.78 |
| 106 | 3.1.5 Test and Measures | 3.1.5.16 Integumentary integrity. | 24 | 3.04 | 1.08 | 24 | 2.29 | 0.62 | 24 | 2.00 | 0.93 |
| 107 | 3.1.5 Test and Measures | 3.1.5.17 Muscle performance (e.g., strength, power, and endurance). | 24 | 4.00 | 0.00 | 24 | 2.79 | 0.41 | 24 | 2.29 | 1.00 |
| | | 3.1.5.18 Neuromotor development and sensory integration (e.g., assessment of appropriate | 24 | 3.63 | 0.77 | | | | | | |
| 108 | 3.1.5 Test and Measures | development, dexterity, coordination, and integration of the somatosensory system). | | | | 24 | 2.54 | 0.59 | 23 | 2.22 | 0.85 |
| | | 3.1.5.19 Posture (e.g., assessment of body or body segment(s) structure, alignment, changes in | 24 | 4.00 | 0.00 | | | | | | |
| 109 | 3.1.5 Test and Measures | different positions, body contours). | | | | 24 | 2.83 | 0.38 | 24 | 2.38 | 0.92 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 110 | 3.1.5 Test and Measures | 3.1.5.20 Tissue-specific diagnostic tests (i.e., special tests). | 24 | 3.88 | 0.34 | 24 | 2.50 | 0.59 | 24 | 2.38 | 0.82 |
| 111 | 3.1.5 Test and Measures | 3.1.5.21 Flexibility (e.g., length, stiffness). | 24 | 3.92 | 0.28 | 24 | 2.71 | 0.55 | 24 | 2.38 | 0.97 |
| 112 | 3.1.5 Test and Measures | 3.1.5.22 Soft tissue quality (e.g., mobility, provocation). | 24 | 4.00 | 0.00 | 24 | 2.75 | 0.44 | 24 | 2.46 | 0.83 |
| 113 | 3.1.5 Test and Measures | 3.1.5.23 Task-specific activities (e.g., lifting, bending, reaching). | 24 | 3.96 | 0.20 | 24 | 2.75 | 0.44 | 24 | 2.42 | 0.78 |
| 114 | 3.2 Evaluation | 3.2.1 Synthesizing data from history, systems review, and physical examination (e.g., identify relevant, consistent, accurate data, prioritize impairments, assess patientâ€™s/clientâ€™s needs, motivations and goals), according to the International Classification of Functioning, Disability and Health (ICF) model. | 23 | 3.91 | 0.29 | 22 | 2.77 | 0.43 | 22 | 2.41 | 0.85 |
| 115 | 3.2 Evaluation | 3.2.2 Developing a working diagnosis, including nature of complaint, probable cause, anatomical structures involved, stage of condition, pain mechanisms, psychosocial factors, and possible contraindications for physical therapy intervention. | 23 | 4.00 | 0.00 | 23 | 2.96 | 0.21 | 23 | 2.57 | 0.84 |
| 116 | 3.2 Evaluation | 3.2.3 Incorporating data from ancillary testing (e.g., imaging, labs, electrophysiological studies). | 23 | 3.74 | 0.45 | 23 | 2.48 | 0.59 | 23 | 2.30 | 0.70 |
| 117 | 3.2 Evaluation | 3.2.4 Referring patient/client to other health care professionals for further examination as appropriate. | 23 | 3.22 | 0.74 | 23 | 2.87 | 0.34 | 23 | 2.26 | 0.86 |
| 118 | 3.2 Evaluation | 3.2.5 Considering implications of exam findings on activity, quality of life, and wellness as established by the ICF. | 23 | 3.78 | 0.42 | 23 | 2.61 | 0.50 | 23 | 2.43 | 0.79 |
| 119 | 3.2 Evaluation | 3.2.6 Interpreting data from history and systems review (e.g., identify relevant, consistent, accurate data, prioritize impairments, assess patientâ€™s/clientâ€™s needs, motivations and goals). | 23 | 3.96 | 0.21 | 23 | 2.83 | 0.39 | 23 | 2.61 | 0.72 |
| 120 | 3.3. Diagnosis | 3.3.1 Organizing examination findings into clusters, syndromes, or categories to which physical therapy interventions will be directed and to determine prognosis. | 21 | 4.00 | 0.00 | 21 | 2.86 | 0.36 | 21 | 2.71 | 0.56 |
| 121 | 3.4 Prognosis | 3.4.1 The Orthopaedic Spine Physical Therapist establishes a prognosis including the complexity of the patient/clientâ€™s dysfunctions/conditions, the predicted optimal level of improvement in function, and the amount of time needed to reach that level. | 22 | 4.00 | 0.00 | 22 | 2.86 | 0.35 | 22 | 2.50 | 0.67 |
| 122 | 3.5 Intervention | 3.5.1 Ergonomics (influences of environment and occupation on posture and movement). | 21 | 3.95 | 0.22 | 21 | 2.71 | 0.46 | 21 | 2.33 | 0.73 |
| 123 | 3.5 Intervention | 3.5.2 Education/training of functional activities. | 21 | 3.90 | 0.30 | 21 | 2.81 | 0.40 | 21 | 2.43 | 0.81 |
| 124 | 3.5 Intervention | 3.5.3 Education/training of activities of daily living (e.g., hygiene, stair climbing, sleeping postures). | 21 | 3.90 | 0.30 | 21 | 2.81 | 0.40 | 21 | 2.33 | 0.80 |
| 125 | 3.5 Intervention | 3.5.4.1 Concerning diagnosis, prognosis, treatment, responsibility, and self-management within plan of care. | 22 | 4.00 | 0.00 | 22 | 2.82 | 0.39 | 22 | 2.45 | 0.74 |
| 126 | 3.5 Intervention | 3.5.4.2 Using the biopsychosocial/biomedical models. | 22 | 3.82 | 0.39 | 22 | 2.73 | 0.46 | 22 | 2.32 | 0.84 |
| 127 | 3.5 Intervention | 3.5.4.3 Addressing pain physiology and dose response. | 22 | 4.00 | 0.00 | 22 | 2.82 | 0.39 | 22 | 2.50 | 0.74 |
| 128 | 3.5 Intervention | 3.5.4.4 Addressing prevention and wellness. | 22 | 3.68 | 0.48 | 22 | 2.77 | 0.43 | 22 | 2.41 | 0.73 |
| 129 | 3.5 Intervention | 3.5.5 Injury prevention and wellness promotion (e.g., task adaptation, behavior modification, body mechanics). | 22 | 3.86 | 0.35 | 22 | 2.82 | 0.39 | 22 | 2.27 | 0.88 |
| 130 | 3.5 Intervention | 3.5.6 Sleep hygiene education (e.g., sleep schedules, technology usage, sleep habits, relationship between sleep and medication usage). | 22 | 3.41 | 0.67 | 22 | 2.55 | 0.51 | 22 | 2.00 | 0.76 |
| 131 | 3.5 Intervention | 3.5.7 Nutritional education. | 22 | 2.86 | 0.89 | 22 | 2.32 | 0.57 | 22 | 1.82 | 0.80 |
| 132 | 3.5 Intervention | 3.5.8 Pain neuroscience education. | 22 | 3.55 | 0.60 | 22 | 2.95 | 0.21 | 22 | 2.36 | 0.79 |
| 133 | 3.5 Intervention | 3.5.9 Graded exposure. | 22 | 3.55 | 0.67 | 22 | 2.82 | 0.39 | 22 | 2.41 | 0.80 |
| 134 | 3.5 Intervention | 3.5.10 Graded motor imagery. | 22 | 2.77 | 1.02 | 22 | 2.45 | 0.60 | 22 | 2.14 | 0.94 |
| 135 | 3.5 Intervention | 3.5.4.11 Graded activity/exercise. | 22 | 3.73 | 0.63 | 22 | 2.77 | 0.43 | 22 | 2.36 | 0.85 |
| 136 | 3.5 Intervention | 3.5.4.12 Protective, adaptive or supportive device or equipment (e.g., orthotics, taping). | 22 | 3.00 | 0.82 | 22 | 2.27 | 0.55 | 22 | 1.95 | 0.90 |
| 137 | 3.5 Intervention | 3.5.4.13 Neural mobilization (e.g., nerve gliding). | 22 | 3.64 | 0.73 | 22 | 2.82 | 0.50 | 22 | 2.23 | 0.87 |
| 138 | 3.5 Intervention | 3.5.14 Non-thrust mobilization/manipulation. | 22 | 3.95 | 0.21 | 22 | 2.82 | 0.39 | 22 | 2.55 | 0.74 |
| 139 | 3.5 Intervention | 3.5.15 Thrust mobilization/manipulation. | 22 | 3.27 | 0.83 | 22 | 2.73 | 0.55 | 22 | 2.68 | 0.57 |
| 140 | 3.5 Intervention | 3.5.16 Soft tissue mobilization (e.g., connective tissue, deep friction, cross friction massage, instrument-assisted). | 22 | 3.55 | 0.74 | 22 | 2.77 | 0.43 | 22 | 2.41 | 0.85 |
| 141 | 3.5 Intervention | 3.5.17 Mobilization with movement. | 22 | 3.45 | 0.67 | 22 | 2.59 | 0.50 | 22 | 2.27 | 0.83 |
| 142 | 3.5 Intervention | 3.5.18 Muscle energy techniques. | 22 | 3.18 | 0.91 | 22 | 2.41 | 0.67 | 22 | 2.18 | 0.85 |
| 143 | 3.5 Intervention | 3.5.19 Traction/distraction. | 22 | 2.95 | 0.95 | 22 | 2.32 | 0.57 | 22 | 2.14 | 0.89 |
| 144 | 3.5 Intervention | 3.5.4.20 Directional preference exercises/activities. | 22 | 3.59 | 0.59 | 22 | 2.59 | 0.59 | 22 | 2.32 | 0.84 |
| 145 | 3.5 Intervention | 3.5.4.21 Electro-therapeutic modalities (e.g., TENS, NMES). | 22 | 1.95 | 1.33 | 22 | 1.64 | 0.95 | 22 | 1.73 | 1.08 |
| 146 | 3.5 Intervention | 3.5.4.22 Thermo-therapeutic modalities (e.g., heat, ice, ultrasound). | 22 | 2.14 | 1.28 | 22 | 1.45 | 0.91 | 22 | 1.50 | 0.96 |
| 147 | 3.5 Intervention | 3.5.23 Photo-therapeutic modalities (e.g., laser). | 22 | 0.82 | 1.05 | 22 | 0.64 | 0.73 | 21 | 0.76 | 1.04 |
| 148 | 3.5 Intervention | 3.5.24 Dry needling. | 21 | 0.76 | 1.18 | 21 | 1.24 | 1.04 | 20 | 1.25 | 1.33 |
| 149 | 3.5 Intervention | 3.5.25 Aerobic capacity and endurance exercises. | 22 | 3.32 | 0.95 | 22 | 2.64 | 0.49 | 22 | 1.95 | 0.90 |
| 150 | 3.5 Intervention | 3.5.26 Motor coordination. | 22 | 3.91 | 0.29 | 22 | 2.86 | 0.35 | 21 | 2.33 | 0.86 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 151 | 3.5 Intervention | 3.5.27 Muscle performance exercises (e.g., strength, muscle endurance). | 22 | 3.86 | 0.47 | 22 | 2.77 | 0.43 | 22 | 2.27 | 0.94 |
| 152 | 3.5 Intervention | 3.5.28.1 Meditation. | 22 | 1.86 | 1.36 | 22 | 2.14 | 0.64 | 21 | 1.43 | 0.75 |
| 153 | 3.5 Intervention | 3.5.28.2 Mindfulness. | 22 | 2.36 | 1.36 | 22 | 2.23 | 0.61 | 21 | 1.48 | 0.68 |
| 154 | 3.5 Intervention | 3.5.28.3 Hypnosis. | 22 | 0.23 | 0.87 | 21 | 0.24 | 0.54 | 18 | 0.61 | 1.09 |
| 155 | 3.6 Re-assessment / re-evaluatio | 3.6.1 Assessing intervention response. | 22 | 4.00 | 0.00 | 22 | 2.91 | 0.29 | 22 | 2.55 | 0.91 |
| 156 | 3.6 Re-assessment / re-evaluatio | 3.6.2 Analyzing significance of changes. | 22 | 3.91 | 0.29 | 22 | 2.91 | 0.29 | 21 | 2.43 | 0.81 |
| 157 | 3.6 Re-assessment / re-evaluatio | 3.6.3 Assessing change. | 22 | 3.95 | 0.21 | 22 | 2.91 | 0.29 | 22 | 2.41 | 0.91 |
| 158 | 3.6 Re-assessment / re-evaluatio | 3.6.4 Re-examining/implementing a modified plan of care. | 22 | 3.73 | 0.55 | 22 | 2.77 | 0.53 | 22 | 2.41 | 0.91 |
| 159 | 3.6 Re-assessment / re-evaluatio | 3.6.5 Confirming/modifying goals. | 22 | 3.59 | 0.59 | 22 | 2.82 | 0.39 | 22 | 2.32 | 0.95 |
| 160 | 3.6 Re-assessment / re-evaluatio | 3.6.6 Making referrals to other providers as needed. | 22 | 2.86 | 0.83 | 22 | 2.64 | 0.49 | 21 | 2.24 | 0.77 |
| 161 | 3.7 Outcomes Assessment | 3.7.1 Assessing remediation of activity and participation limitations. | 22 | 3.73 | 0.55 | 22 | 2.73 | 0.55 | 22 | 2.18 | 0.91 |
| 162 | 3.7 Outcomes Assessment | 3.7.2 Assessing patient satisfaction. | 22 | 3.68 | 0.48 | 22 | 2.77 | 0.43 | 22 | 2.32 | 0.84 |
| 163 | 3.7 Outcomes Assessment | 3.7.3 Assessing promotion of primary and secondary prevention. | 22 | 3.32 | 0.84 | 22 | 2.59 | 0.59 | 22 | 2.32 | 0.89 |
| 164 | 3.7 Outcomes Assessment | 3.7.4 Assessing improvement of patientâ€™s/clientâ€™s activities and participation based on best available evidence and patient/client-specific variables (i.e., benchmarking). | 22 | 3.41 | 0.67 | 22 | 2.64 | 0.58 | 22 | 2.27 | 0.88 |
| 165 | 3.7 Outcomes Assessment | 3.7.5 Using applicable, evidence-based outcomes measurement tools/questionnaires/scales (e.g., Oswestry, Fear Avoidance Behavior Questionnaire). | 22 | 3.32 | 0.78 | 22 | 2.59 | 0.50 | 22 | 2.14 | 0.99 |
| 171 | 6.1 Nervous System | 6.1.1 Cervical Radiculopathy | 23 | 3.48 | 0.59 | 23 | 2.91 | 0.29 | 23 | 2.52 | 0.90 |
| 172 | 6.1 Nervous System | 6.1.2 Lumbar Radiculopathy | 23 | 3.57 | 0.59 | 23 | 2.91 | 0.29 | 23 | 2.35 | 1.07 |
| 173 | 6.1 Nervous System | 6.1.3 Thoracic Outlet Syndrome | 23 | 2.00 | 1.17 | 23 | 2.39 | 0.89 | 23 | 2.35 | 0.83 |
| 174 | 6.1 Nervous System | 6.1.4 Other peripheral neural impingements (not including thoracic outlet syndrome; e.g., carpal tunnel, Guyon’s canal entrapment, peroneal nerve entrapment, tarsal tunnel syndrome). | 23 | 2.57 | 0.90 | 23 | 2.65 | 0.57 | 23 | 2.39 | 0.84 |
| 175 | 6.1 Nervous System | 6.1.5 Meralgia paresthetica. | 23 | 1.57 | 0.90 | 23 | 2.26 | 0.75 | 23 | 2.13 | 0.81 |
| 176 | 6.1 Nervous System | 6.1.6 Cervical Myelopathy. | 23 | 1.83 | 1.03 | 23 | 2.78 | 0.52 | 23 | 2.26 | 1.01 |
| 177 | 6.2 Musculoskeletal System | 6.2.1 Cervical Disc Pathologies (e.g., DDD, protrusion, herniation). | 22 | 3.55 | 0.60 | 20 | 2.90 | 0.31 | 20 | 2.65 | 0.75 |
| 178 | 6.2 Musculoskeletal System | 6.2.2 Cervical Instability | 22 | 2.00 | 1.11 | 21 | 2.81 | 0.40 | 21 | 2.52 | 0.81 |
| 179 | 6.2 Musculoskeletal System | 6.2.3 Cervical Sprain Strain | 22 | 3.09 | 0.87 | 21 | 2.76 | 0.44 | 21 | 2.38 | 0.86 |
| 180 | 6.2 Musculoskeletal System | 6.2.4 Cervicogenic Headache | 22 | 2.91 | 0.87 | 21 | 2.81 | 0.40 | 21 | 2.57 | 0.75 |
| 181 | 6.2 Musculoskeletal System | 6.2.5 Chronic Pain Syndromes | 22 | 3.41 | 0.73 | 21 | 2.90 | 0.30 | 21 | 2.33 | 0.80 |
| 182 | 6.2 Musculoskeletal System | 6.2.6 Other Disorders of Cervical Spine | 22 | 3.23 | 0.92 | 21 | 2.71 | 0.46 | 21 | 2.29 | 0.85 |
| 183 | 6.2 Musculoskeletal System | 6.2.7 Temporomandibular Dysfunction | 22 | 1.73 | 0.98 | 21 | 2.48 | 0.81 | 21 | 2.10 | 0.89 |
| 184 | 6.2 Musculoskeletal System | 6.2.8 Disorders of the Hip | 22 | 3.27 | 0.77 | 21 | 2.67 | 0.48 | 21 | 2.33 | 0.86 |
| 185 | 6.2 Musculoskeletal System | 6.2.9 Lumbar Disc Pathologies (e.g., DDD, protrusion, herniation). | 23 | 3.65 | 0.57 | 22 | 2.86 | 0.35 | 22 | 2.41 | 0.91 |
| 186 | 6.2 Musculoskeletal System | 6.2.10 Lumbar Instability | 23 | 3.00 | 1.00 | 23 | 2.87 | 0.34 | 23 | 2.43 | 0.95 |
| 187 | 6.2 Musculoskeletal System | 6.2.11 Lumbar Spondylosis Spondylolisthesis | 23 | 3.48 | 0.59 | 23 | 2.91 | 0.29 | 23 | 2.30 | 0.97 |
| 188 | 6.2 Musculoskeletal System | 6.2.12 Lumbar Strain | 23 | 3.52 | 0.79 | 23 | 2.87 | 0.34 | 23 | 2.26 | 1.10 |
| 189 | 6.2 Musculoskeletal System | 6.2.13 Other Disorders of the Lumbar Spine | 23 | 3.09 | 0.95 | 23 | 2.70 | 0.47 | 22 | 2.32 | 0.95 |
| 190 | 6.2 Musculoskeletal System | 6.2.14 Piriformis Syndrome | 23 | 2.61 | 1.03 | 23 | 2.52 | 0.51 | 23 | 2.17 | 1.03 |
| 191 | 6.2 Musculoskeletal System | 6.2.15 Sacroiliac Dysfunction | 23 | 2.61 | 1.12 | 23 | 2.52 | 0.73 | 23 | 2.30 | 0.97 |
| 192 | 6.2 Musculoskeletal System | 6.2.16 Other Disorders of the Pelvic Girdle | 23 | 2.39 | 1.12 | 23 | 2.52 | 0.59 | 23 | 2.39 | 0.78 |
| 193 | 6.2 Musculoskeletal System | 6.2.17 Rotator Cuff Pathology | 22 | 3.18 | 0.91 | 22 | 2.64 | 0.49 | 22 | 2.23 | 0.87 |
| 194 | 6.2 Musculoskeletal System | 6.2.18 Disorders of the Shoulder Complex | 22 | 3.41 | 0.80 | 22 | 2.73 | 0.46 | 22 | 2.36 | 0.79 |
| 195 | 6.2 Musculoskeletal System | 6.2.19 Rib Dysfunction | 22 | 1.91 | 0.97 | 22 | 2.36 | 0.85 | 22 | 2.27 | 0.83 |
| 196 | 6.2 Musculoskeletal System | 6.2.20 Thoracic Sprain Strain | 22 | 2.55 | 1.01 | 22 | 2.59 | 0.59 | 22 | 2.41 | 0.85 |
| 197 | 6.2 Musculoskeletal System | 6.2.21 Other Disorders of the Thoracic Spine | 22 | 2.41 | 1.01 | 22 | 2.59 | 0.67 | 22 | 2.45 | 0.74 |
| 198 | 6.2 Musculoskeletal System | 6.2.22 Curvature of the spine (e.g., scoliosis, kyphosis, lordosis).lordos | 22 | 2.73 | 0.98 | 22 | 2.64 | 0.58 | 22 | 2.32 | 0.84 |
| 199 | 6.2 Musculoskeletal System | 6.2.23 Diastasis recti. | 22 | 1.86 | 1.28 | 22 | 2.36 | 0.90 | 22 | 2.05 | 0.95 |
| 200 | 6.2 Musculoskeletal System | 6.2.24 Facet dysfunction (cervical, throacic, lumbar). | 22 | 3.77 | 0.43 | 22 | 2.82 | 0.50 | 22 | 2.55 | 0.74 |
| 201 | 6.2 Musculoskeletal System | 6.2.25 Operative procedure on spinal structure. | 22 | 2.50 | 0.96 | 22 | 2.68 | 0.48 | 22 | 2.23 | 0.97 |
| 202 | 6.2 Musculoskeletal System | 6.2.26 Spinal stenosis. | 22 | 3.36 | 0.73 | 22 | 2.82 | 0.39 | 22 | 2.41 | 0.80 |

## Descriptives in Order of Importance and Frequency (High to Low)

| Key | # of items |
|---|---|
| High frequency (>= 3.0), high imp | 134 |
| Low frequency (< 3.0), high impo | 18 |
| High frequency (>= 3.0), low imp | 16 |
| Low frequency (< 3.0), low impor | 28 |

| Response Scales | | |
|---|---|---|
| **Frequency** | **Importance** | **Level of Judgment/Mastery** |
| 0. Never | 0. Not important | 0. Do not use/ Advanced beginner skill level |
| 1. Less than monthly | 1. Of little importance | 1. Recall/ Competent skill level |
| 2. Monthly | 2. Moderately important | 2. Application/ Proficient skill level |
| 3. Weekly | 3. Very important | 3. Analysis/Expert skill level |
| 4. Daily | | |

| Survey Item # | Survey Section | Item/Label | Frequency | | | Importance | | | Level of Judgment/Mastery | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | N | Mean | SD | N | Mean | SD | N | Mean | SD |
| 9 | 1.2 Clinical Sciences | 1.1.2.1 Kinesiology/biomechanics. | 27 | 4.00 | 0.00 | 27 | 3.00 | 0.00 | 27 | 2.93 | 0.27 |
| 86 | 3.1.3 Planning a Physical Exam | 3.1.3.1 Includes examination techniques with a high probability of reproducing the chief complaint and contributing to the development and refinement of the working hypothesis(es). | 24 | 4.00 | 0.00 | 24 | 3.00 | 0.00 | 24 | 2.46 | 0.72 |
| 34 | 1.3 Behavioral Sciences | 1.3.3.4 Movement systems impairments. | 26 | 3.96 | 0.20 | 26 | 3.00 | 0.00 | 25 | 2.80 | 0.41 |
| 83 | 3.1.2 Interpreting Data from Hist | 3.1.2.1 Developing a working hypothesis of the physical therapy diagnosis that includes, nature and severity of problem(s), probable cause(s) of problem(s), anatomical structures involved, stage of condition, possible contraindications to physical therapy examination. | 24 | 3.96 | 0.20 | 22 | 3.00 | 0.00 | 23 | 2.48 | 0.79 |
| 104 | 3.1.5 Test and Measures | 3.1.5.14 Joint integrity (i.e., mobility assessment of joint hypermobility and hypomobility to include passive range of motion, passive accessory motions, response to manual provocation). | 24 | 3.96 | 0.20 | 24 | 3.00 | 0.00 | 24 | 2.50 | 0.83 |
| 51 | 2.3 Communication | 2.3.1 Empowering patients with orthopaedic spine conditions in the management of their own health (e.g., providing patients confidence to manage future occurrences of spine-related pain). | 26 | 3.92 | 0.27 | 26 | 3.00 | 0.00 | 26 | 2.35 | 0.80 |
| 2 | 1.1 Foundation Sciences | 1.1.1.1 Musculoskeletal system. | 27 | 4.00 | 0.00 | 27 | 2.96 | 0.19 | 26 | 2.88 | 0.33 |
| 3 | 1.1 Foundation Sciences | 1.1.1.2 Neuromuscular system. | 27 | 4.00 | 0.00 | 27 | 2.96 | 0.19 | 27 | 2.93 | 0.27 |
| 10 | 1.2 Clinical Sciences | 1.1.2.2 Neural control of movement. | 27 | 3.96 | 0.19 | 27 | 2.96 | 0.19 | 27 | 2.81 | 0.40 |
| 35 | 1.3 Behavioral Sciences | 1.3.3.5 Motor control and motor learning. | 26 | 4.00 | 0.00 | 26 | 2.96 | 0.20 | 25 | 2.80 | 0.41 |
| 37 | 1.3 Behavioral Sciences | 1.3.3.7 Therapeutic exercise. | 26 | 4.00 | 0.00 | 26 | 2.96 | 0.20 | 26 | 2.81 | 0.40 |
| 84 | 3.1.2 Interpreting Data from Hist | 3.1.2.2 Assessing "red flags" and determining need based upon whether patient demonstrates neuromusculoskeletal problems responsive to physical therapy intervention or condition(s) requiring referral to another health care provider. | 24 | 3.96 | 0.20 | 24 | 2.96 | 0.20 | 23 | 2.52 | 0.73 |
| 95 | 3.1.5 Test and Measures | 3.1.5.5 Pain. | 24 | 4.00 | 0.00 | 24 | 2.96 | 0.20 | 24 | 2.38 | 0.97 |
| 115 | 3.2 Evaluation | 3.2.2 Developing a working diagnosis, including nature of complaint, probable cause, anatomical structures involved, stage of condition, pain mechanisms, psychosocial factors, and possible contraindications for physical therapy intervention. | 23 | 4.00 | 0.00 | 23 | 2.96 | 0.21 | 23 | 2.57 | 0.84 |
| 69 | 3.1.1 History | 3.1.1.2.3 Symptom irritability (onset, offset, and overall baseline). | 25 | 4.00 | 0.00 | 23 | 2.96 | 0.21 | 25 | 2.36 | 0.95 |
| 132 | 3.5 Intervention | 3.5.8 Pain neuroscience education. | 22 | 3.55 | 0.60 | 22 | 2.95 | 0.21 | 22 | 2.36 | 0.79 |
| 16 | 1.2 Clinical Sciences | 1.2.1.4 Tissue inflammation, healing, and repair. | 25 | 3.96 | 0.20 | 25 | 2.92 | 0.28 | 25 | 2.68 | 0.56 |
| 76 | 3.1.1 History | 3.1.1.4.2 Psychosocial factors (e.g., anxiety, depression, catastrophizing). | 25 | 3.84 | 0.47 | 25 | 2.92 | 0.28 | 25 | 2.48 | 0.71 |
| 92 | 3.1.5 Test and Measures | 3.1.5.2 Gait, locomotion, and balance. | 24 | 4.00 | 0.00 | 24 | 2.92 | 0.28 | 24 | 2.33 | 0.92 |
| 101 | 3.1.5 Test and Measures | 3.1.5.11 Reflex integrity (e.g., assessment of normal and pathological reflexes). | 24 | 3.67 | 0.48 | 24 | 2.92 | 0.28 | 24 | 2.33 | 1.01 |
| 70 | 3.1.1 History | 3.1.1.2.4 Onset of condition (e.g., mechanism of injury, insidious onset, potential contributing factors). | 25 | 3.92 | 0.28 | 24 | 2.92 | 0.28 | 25 | 2.28 | 0.89 |
| 99 | 3.1.5 Test and Measures | 3.1.5.9 Neurodynamics. | 24 | 3.92 | 0.28 | 24 | 2.92 | 0.28 | 24 | 2.46 | 0.83 |
| 172 | 6.1 Nervous System | 6.1.2 Lumbar Radiculopathy | 23 | 3.57 | 0.59 | 23 | 2.91 | 0.29 | 23 | 2.35 | 1.07 |
| 171 | 6.1 Nervous System | 6.1.1 Cervical Radiculopathy | 23 | 3.48 | 0.59 | 23 | 2.91 | 0.29 | 23 | 2.52 | 0.90 |
| 187 | 6.2 Musculoskeletal System | 6.2.11 Lumbar Spondylosis Spondylolisthesis | 23 | 3.48 | 0.59 | 23 | 2.91 | 0.29 | 23 | 2.30 | 0.97 |
| 155 | 3.6 Re-assessment / re-evaluatio | 3.6.1 Assessing intervention response. | 22 | 4.00 | 0.00 | 22 | 2.91 | 0.29 | 22 | 2.55 | 0.91 |
| 157 | 3.6 Re-assessment / re-evaluatio | 3.6.3 Assessing change. | 22 | 3.95 | 0.21 | 22 | 2.91 | 0.29 | 22 | 2.41 | 0.91 |
| 156 | 3.6 Re-assessment / re-evaluatio | 3.6.2 Analyzing significance of changes. | 22 | 3.91 | 0.29 | 22 | 2.91 | 0.29 | 21 | 2.43 | 0.81 |
| 181 | 6.2 Musculoskeletal System | 6.2.5 Chronic Pain Syndromes | 22 | 3.41 | 0.73 | 21 | 2.90 | 0.30 | 21 | 2.33 | 0.80 |
| 177 | 6.2 Musculoskeletal System | 6.2.1 Cervical Disc Pathologies (e.g., DDD, protrusion, herniation). | 22 | 3.55 | 0.60 | 20 | 2.90 | 0.31 | 20 | 2.65 | 0.75 |
| 12 | 1.2 Clinical Sciences | 1.1.2.4 Locomotion. | 27 | 3.96 | 0.19 | 27 | 2.89 | 0.32 | 27 | 2.78 | 0.42 |
| 28 | 1.3 Behavioral Sciences | 1.3.2.2 Peripheral neurogenic/neuropathic pain physiology. | 26 | 3.77 | 0.51 | 26 | 2.88 | 0.33 | 26 | 2.69 | 0.47 |
| 25 | 1.3 Behavioral Sciences | 1.3.1.3 Psychological/emotional conditions (e.g., anxiety, depression, catastrophization). | 26 | 3.85 | 0.37 | 26 | 2.88 | 0.33 | 26 | 2.62 | 0.50 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 44 | 2.1 Professional Behavior | 2.1.2 Using patient-centered ethics and values in complex clinical decision making. | 26 | 3.77 | 0.59 | 26 | 2.88 | 0.33 | 26 | 2.12 | 0.95 |
| 87 | 3.1.3 Planning a Physical Exam | 3.1.3.2 Is comprehensive but has the focus and detail appropriate to the working hypothesis and the patientâ€™s problems. | 24 | 4.00 | 0.00 | 24 | 2.88 | 0.34 | 24 | 2.50 | 0.59 |
| 102 | 3.1.5 Test and Measures | 3.1.5.12 Motor control and coordination (e.g., assessment of timing of movements across segments, capability of acquiring new movement strategies). | 24 | 4.00 | 0.00 | 24 | 2.88 | 0.34 | 24 | 2.38 | 0.88 |
| 91 | 3.1.5 Test and Measures | 3.1.5.1 Ergonomics and body mechanics. | 24 | 3.96 | 0.20 | 24 | 2.88 | 0.34 | 23 | 2.35 | 0.83 |
| 100 | 3.1.5 Test and Measures | 3.1.5.10 Sensory integrity (e.g., assessment of superficial sensation, dermatomes, myotomes, proprioception and kinesthesia, 2-point discrimination, quantitative sensory testing). | 24 | 3.71 | 0.46 | 24 | 2.88 | 0.34 | 24 | 2.33 | 1.01 |
| 67 | 3.1.1 History | 3.1.1.2.1 Recognition of contributions from multiple body regions. | 25 | 4.00 | 0.00 | 23 | 2.87 | 0.34 | 23 | 2.30 | 0.93 |
| 186 | 6.2 Musculoskeletal System | 6.2.10 Lumbar Instability | 23 | 3.00 | 1.00 | 23 | 2.87 | 0.34 | 23 | 2.43 | 0.95 |
| 188 | 6.2 Musculoskeletal System | 6.2.12 Lumbar Strain | 23 | 3.52 | 0.79 | 23 | 2.87 | 0.34 | 23 | 2.26 | 1.10 |
| 117 | 3.2 Evaluation | 3.2.4 Referring patient/client to other health care professionals for further examination as appropriate. | 23 | 3.22 | 0.74 | 23 | 2.87 | 0.34 | 23 | 2.26 | 0.86 |
| 121 | 3.4 Prognosis | 3.4.1 The Orthopaedic Spine Physical Therapist establishes a prognosis including the complexity of the patient/clientâ€™s dysfunctions/conditions, the predicted optimal level of improvement in function, and the amount of time needed to reach that level. | 22 | 4.00 | 0.00 | 22 | 2.86 | 0.35 | 22 | 2.50 | 0.67 |
| 150 | 3.5 Intervention | 3.5.26 Motor coordination. | 22 | 3.91 | 0.29 | 22 | 2.86 | 0.35 | 21 | 2.33 | 0.86 |
| 185 | 6.2 Musculoskeletal System | 6.2.9 Lumbar Disc Pathologies (e.g., DDD, protrusion, herniation). | 23 | 3.65 | 0.57 | 22 | 2.86 | 0.35 | 22 | 2.41 | 0.91 |
| 120 | 3.3. Diagnosis | 3.3.1 Organizing examination findings into clusters, syndromes, or categories to which physical therapy interventions will be directed and to determine prognosis. | 21 | 4.00 | 0.00 | 21 | 2.86 | 0.36 | 21 | 2.71 | 0.56 |
| 33 | 1.3 Behavioral Sciences | 1.3.3.3 Manual therapy techniques. | 26 | 3.96 | 0.20 | 26 | 2.85 | 0.37 | 26 | 2.69 | 0.47 |
| 13 | 1.2 Clinical Sciences | 1.2.1.1 Signs and symptoms of disease/injury. | 26 | 3.92 | 0.39 | 26 | 2.85 | 0.37 | 26 | 2.65 | 0.63 |
| 75 | 3.1.1 History | 3.1.1.4.1 Physical function. | 25 | 3.96 | 0.20 | 25 | 2.84 | 0.37 | 25 | 2.16 | 0.99 |
| 72 | 3.1.1 History | 3.1.1.2.6 Readiness for change. | 25 | 3.96 | 0.20 | 25 | 2.84 | 0.37 | 25 | 2.32 | 0.75 |
| 73 | 3.1.1 History | 3.1.1.2.7 Goals of the patient, family, and caregiver. | 25 | 3.88 | 0.33 | 25 | 2.84 | 0.37 | 25 | 2.28 | 0.98 |
| 27 | 1.3 Behavioral Sciences | 1.3.2.1 Peripheral nociceptive pain physiology. | 25 | 3.80 | 0.41 | 25 | 2.84 | 0.37 | 25 | 2.68 | 0.48 |
| 88 | 3.1.3 Planning a Physical Exam | 3.1.3.3 Considers the nature, severity, and irritability of the symptoms/problems. | 24 | 4.00 | 0.00 | 24 | 2.83 | 0.38 | 24 | 2.54 | 0.72 |
| 89 | 3.1.3 Planning a Physical Exam | 3.1.3.4 Prioritizes areas, movements, and functional activities to be examined as well as examination procedures and examination sequence. | 24 | 3.96 | 0.20 | 24 | 2.83 | 0.38 | 23 | 2.52 | 0.73 |
| 85 | 3.1.2 Interpreting Data from Hist | 3.1.2.3 Identifying chief and secondary problems. | 24 | 4.00 | 0.00 | 24 | 2.83 | 0.38 | 23 | 2.35 | 0.88 |
| 109 | 3.1.5 Test and Measures | 3.1.5.19 Posture (e.g., assessment of body or body segment(s) structure, alignment, changes in different positions, body contours). | 24 | 4.00 | 0.00 | 24 | 2.83 | 0.38 | 24 | 2.38 | 0.92 |
| 119 | 3.2 Evaluation | 3.2.6 Interpreting data from history and systems review (e.g., identify relevant, consistent, accurate data, prioritize impairments, assess patientâ€™s/clientâ€™s needs, motivations and goals). | 23 | 3.96 | 0.21 | 23 | 2.83 | 0.39 | 23 | 2.61 | 0.72 |
| 68 | 3.1.1 History | 3.1.1.2.2 Quality and behavior of symptoms. | 25 | 3.96 | 0.20 | 23 | 2.83 | 0.39 | 24 | 2.33 | 0.92 |
| 137 | 3.5 Intervention | 3.5.4.13 Neural mobilization (e.g., nerve gliding). | 22 | 3.64 | 0.73 | 22 | 2.82 | 0.50 | 22 | 2.23 | 0.87 |
| 159 | 3.6 Re-assessment / re-evaluatio | 3.6.5 Confirming/modifying goals. | 22 | 3.59 | 0.59 | 22 | 2.82 | 0.39 | 22 | 2.32 | 0.95 |
| 133 | 3.5 Intervention | 3.5.9 Graded exposure. | 22 | 3.55 | 0.67 | 22 | 2.82 | 0.39 | 22 | 2.41 | 0.80 |
| 125 | 3.5 Intervention | 3.5.4.1 Concerning diagnosis, prognosis, treatment, responsibility, and self-management within plan of care. | 22 | 4.00 | 0.00 | 22 | 2.82 | 0.39 | 22 | 2.45 | 0.74 |
| 127 | 3.5 Intervention | 3.5.4.3 Addressing pain physiology and dose response. | 22 | 4.00 | 0.00 | 22 | 2.82 | 0.39 | 22 | 2.50 | 0.74 |
| 138 | 3.5 Intervention | 3.5.14 Non-thrust mobilization/manipulation. | 22 | 3.95 | 0.21 | 22 | 2.82 | 0.39 | 22 | 2.55 | 0.74 |
| 129 | 3.5 Intervention | 3.5.5 Injury prevention and wellness promotion (e.g., task adaptation, behavior modification, body mechanics). | 22 | 3.86 | 0.35 | 22 | 2.82 | 0.39 | 22 | 2.27 | 0.88 |
| 202 | 6.2 Musculoskeletal System | 6.2.26 Spinal stenosis. | 22 | 3.36 | 0.73 | 22 | 2.82 | 0.39 | 22 | 2.41 | 0.80 |
| 200 | 6.2 Musculoskeletal System | 6.2.24 Facet dysfunction (cervical, throacic, lumbar). | 22 | 3.77 | 0.43 | 22 | 2.82 | 0.50 | 22 | 2.55 | 0.74 |
| 123 | 3.5 Intervention | 3.5.2 Education/training of functional activities. | 21 | 3.90 | 0.30 | 21 | 2.81 | 0.40 | 21 | 2.43 | 0.81 |
| 124 | 3.5 Intervention | 3.5.3 Education/training of activities of daily living (e.g., hygiene, stair climbing, sleeping postures). | 21 | 3.90 | 0.30 | 21 | 2.81 | 0.40 | 21 | 2.33 | 0.80 |
| 180 | 6.2 Musculoskeletal System | 6.2.4 Cervicogenic Headache | 22 | 2.91 | 0.87 | 21 | 2.81 | 0.40 | 21 | 2.57 | 0.75 |
| 178 | 6.2 Musculoskeletal System | 6.2.2 Cervical Instability | 22 | 2.00 | 1.11 | 21 | 2.81 | 0.40 | 21 | 2.52 | 0.81 |
| 50 | 2.2 Leadership | 2.2.4 Acting as an expert resource for peers in the clinic and community for guidance on complex cases and problem solving/clinical reasoning as it relates to orthopaedic spine care. | 26 | 3.27 | 0.78 | 26 | 2.81 | 0.40 | 26 | 2.69 | 0.55 |
| 29 | 1.3 Behavioral Sciences | 1.3.2.3 Central nervous system/nociplastic pain physiology. | 26 | 3.73 | 0.53 | 26 | 2.81 | 0.40 | 26 | 2.81 | 0.40 |
| 59 | 2.6 Critical Inquiry and Evidence | 2.6.1 Applying principles of evidence-based practice in patient/client management. | 26 | 3.73 | 0.60 | 26 | 2.81 | 0.40 | 26 | 2.27 | 0.83 |
| 78 | 3.1.1 History | 3.1.1.6 Obtaining medical/surgical history data. | 25 | 3.96 | 0.20 | 25 | 2.80 | 0.41 | 25 | 2.04 | 1.02 |
| 31 | 1.3 Behavioral Sciences | 1.3.3.1 Biopsychosocial model. | 26 | 3.85 | 0.37 | 25 | 2.80 | 0.41 | 26 | 2.58 | 0.50 |
| 71 | 3.1.1 History | 3.1.1.2.5 Current and previous therapeutic interventions. | 25 | 3.96 | 0.20 | 25 | 2.80 | 0.41 | 25 | 2.28 | 0.94 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 107 | 3.1.5 Test and Measures | 3.1.5.17 Muscle performance (e.g., strength, power, and endurance). | 24 | 4.00 | 0.00 | 24 | 2.79 | 0.41 | 24 | 2.29 | 1.00 |
| 176 | 6.1 Nervous System | 6.1.6 Cervical Myelopathy. | 23 | 1.83 | 1.03 | 23 | 2.78 | 0.52 | 23 | 2.26 | 1.01 |
| 93 | 3.1.5 Test and Measures | 3.1.5.3 Work (job/school/play), community and leisure integration or reintegration (including IADL). | 23 | 3.96 | 0.21 | 23 | 2.78 | 0.42 | 23 | 2.43 | 0.79 |
| 114 | 3.2 Evaluation | 3.2.1 Synthesizing data from history, systems review, and physical examination (e.g., identify relevant, consistent, accurate data, prioritize impairments, assess patientâ€™s/clientâ€™s needs, motivations and goals), according to the International Classification of Functioning, Disability and Health (ICF) model. | 23 | 3.91 | 0.29 | 22 | 2.77 | 0.43 | 22 | 2.41 | 0.85 |
| 151 | 3.5 Intervention | 3.5.27 Muscle performance exercises (e.g., strength, muscle endurance). | 22 | 3.86 | 0.47 | 22 | 2.77 | 0.43 | 22 | 2.27 | 0.94 |
| 135 | 3.5 Intervention | 3.5.4.11 Graded activity/exercise. | 22 | 3.73 | 0.63 | 22 | 2.77 | 0.43 | 22 | 2.36 | 0.85 |
| 158 | 3.6 Re-assessment / re-evaluatio | 3.6.4 Re-examining/implementing a modified plan of care. | 22 | 3.73 | 0.55 | 22 | 2.77 | 0.53 | 22 | 2.41 | 0.91 |
| 128 | 3.5 Intervention | 3.5.4.4 Addressing prevention and wellness. | 22 | 3.68 | 0.48 | 22 | 2.77 | 0.43 | 22 | 2.41 | 0.73 |
| 162 | 3.7 Outcomes Assessment | 3.7.2 Assessing patient satisfaction. | 22 | 3.68 | 0.48 | 22 | 2.77 | 0.43 | 22 | 2.32 | 0.84 |
| 140 | 3.5 Intervention | 3.5.16 Soft tissue mobilization (e.g., connective tissue, deep friction, cross friction massage, instrument-assisted). | 22 | 3.55 | 0.74 | 22 | 2.77 | 0.43 | 22 | 2.41 | 0.85 |
| 24 | 1.3 Behavioral Sciences | 1.3.1.2 Personal factors (e.g., compliance, body awareness, pain perception, and related psychosocial factors). | 26 | 3.92 | 0.39 | 26 | 2.77 | 0.43 | 26 | 2.65 | 0.49 |
| 14 | 1.2 Clinical Sciences | 1.2.1.2 Progression of disease/injury processes. | 26 | 3.88 | 0.33 | 26 | 2.77 | 0.43 | 26 | 2.58 | 0.64 |
| 52 | 2.3 Communication | 2.3.2 Facilitating collaborative and multidisciplinary team management and transition of care for individuals with orthopaedic spine conditions. | 26 | 3.23 | 0.65 | 26 | 2.77 | 0.43 | 26 | 2.15 | 0.83 |
| 179 | 6.2 Musculoskeletal System | 6.2.3 Cervical Sprain Strain | 22 | 3.09 | 0.87 | 21 | 2.76 | 0.44 | 21 | 2.38 | 0.86 |
| 74 | 3.1.1 History | 3.1.1.3 Obtaining data regarding functional status and activity level of daily living. | 25 | 3.92 | 0.28 | 25 | 2.76 | 0.44 | 25 | 2.12 | 0.97 |
| 15 | 1.2 Clinical Sciences | 1.2.1.3 Pathokinesiology. | 25 | 3.92 | 0.28 | 25 | 2.76 | 0.44 | 25 | 2.56 | 0.65 |
| 112 | 3.1.5 Test and Measures | 3.1.5.22 Soft tissue quality (e.g., mobility, provocation). | 24 | 4.00 | 0.00 | 24 | 2.75 | 0.44 | 24 | 2.46 | 0.83 |
| 113 | 3.1.5 Test and Measures | 3.1.5.23 Task-specific activities (e.g., lifting, bending, reaching). | 24 | 3.96 | 0.20 | 24 | 2.75 | 0.44 | 24 | 2.42 | 0.78 |
| 39 | 1.3 Behavioral Sciences | 1.3.3.9 Principles of teaching and learning. | 26 | 3.65 | 0.56 | 26 | 2.73 | 0.45 | 26 | 2.58 | 0.50 |
| 11 | 1.2 Clinical Sciences | 1.1.2.3 Ergonomics. | 27 | 3.78 | 0.42 | 26 | 2.73 | 0.53 | 27 | 2.63 | 0.49 |
| 126 | 3.5 Intervention | 3.5.4.2 Using the biopsychosocial/biomedical models. | 22 | 3.82 | 0.39 | 22 | 2.73 | 0.46 | 22 | 2.32 | 0.84 |
| 161 | 3.7 Outcomes Assessment | 3.7.1 Assessing remediation of activity and participation limitations. | 22 | 3.73 | 0.55 | 22 | 2.73 | 0.55 | 22 | 2.18 | 0.91 |
| 139 | 3.5 Intervention | 3.5.15 Thrust mobilization/manipulation. | 22 | 3.27 | 0.83 | 22 | 2.73 | 0.55 | 22 | 2.68 | 0.57 |
| 194 | 6.2 Musculoskeletal System | 6.2.18 Disorders of the Shoulder Complex | 22 | 3.41 | 0.80 | 22 | 2.73 | 0.46 | 22 | 2.36 | 0.79 |
| 80 | 3.1.1 History | 3.1.1.8 Obtaining data regarding social history (e.g., cultural beliefs and support systems). | 25 | 3.92 | 0.28 | 25 | 2.72 | 0.46 | 25 | 2.28 | 0.74 |
| 77 | 3.1.1 History | 3.1.1.5 Obtaining data regarding social/health habits (past and current), including behavioral health risks (e.g., nutrition, smoking, substance use, sleep) and fitness level. | 24 | 3.92 | 0.28 | 25 | 2.72 | 0.46 | 25 | 2.28 | 0.74 |
| 182 | 6.2 Musculoskeletal System | 6.2.6 Other Disorders of Cervical Spine | 22 | 3.23 | 0.92 | 21 | 2.71 | 0.46 | 21 | 2.29 | 0.85 |
| 122 | 3.5 Intervention | 3.5.1 Ergonomics (influences of environment and occupation on posture and movement). | 21 | 3.95 | 0.22 | 21 | 2.71 | 0.46 | 21 | 2.33 | 0.73 |
| 97 | 3.1.5 Test and Measures | 3.1.5.7 Circulation (e.g., vertebral artery examination, skin condition, thoracic outlet tests, and peripheral pulses). | 24 | 3.17 | 0.70 | 24 | 2.71 | 0.46 | 24 | 2.08 | 0.88 |
| 111 | 3.1.5 Test and Measures | 3.1.5.21 Flexibility (e.g., length, stiffness). | 24 | 3.92 | 0.28 | 24 | 2.71 | 0.55 | 24 | 2.38 | 0.97 |
| 103 | 3.1.5 Test and Measures | 3.1.5.13 Biopsychosocial functioning (e.g., depression, impaired motivation, FABQ, STarT Back, Tampa Kinesiophobia). | 24 | 3.58 | 0.72 | 24 | 2.71 | 0.46 | 24 | 2.29 | 0.75 |
| 189 | 6.2 Musculoskeletal System | 6.2.13 Other Disorders of the Lumbar Spine | 23 | 3.09 | 0.95 | 23 | 2.70 | 0.47 | 22 | 2.32 | 0.95 |
| 90 | 3.1.4 Systems Review | 3.1.4.1 Performing systems review to identify the impaired or unimpaired status of the: cardiovascular/pulmonary system, musculoskeletal system, neuromotor system, integumentary system, and/or communication ability. | 24 | 3.75 | 0.53 | 23 | 2.70 | 0.47 | 23 | 2.13 | 0.92 |
| 43 | 2.1 Professional Behavior | 2.1.1 Consulting with and/or educating peers, colleagues, other health care professionals, community, agencies, legislative and/or regulatory organizations regarding issues of orthopaedic spine physical therapy practice. | 26 | 2.92 | 0.89 | 26 | 2.69 | 0.47 | 25 | 2.32 | 0.75 |
| 49 | 2.2 Leadership | 2.2.3 Modeling and facilitating the translation of evidence into clinical practice as it relates to orthopaedic spine care. | 26 | 3.23 | 1.03 | 26 | 2.69 | 0.55 | 26 | 2.46 | 0.58 |
| 201 | 6.2 Musculoskeletal System | 6.2.25 Operative procedure on spinal structure. | 22 | 2.50 | 0.96 | 22 | 2.68 | 0.48 | 22 | 2.23 | 0.97 |
| 65 | 3.1.1 History | 3.1.1.1.3 Ergonomic considerations. | 25 | 3.84 | 0.47 | 25 | 2.68 | 0.56 | 25 | 1.96 | 0.89 |
| 64 | 3.1.1 History | 3.1.1.1.2 Activity requirements/occupational demands. | 25 | 3.60 | 1.00 | 25 | 2.68 | 0.56 | 25 | 1.80 | 1.00 |
| 184 | 6.2 Musculoskeletal System | 6.2.8 Disorders of the Hip | 22 | 3.27 | 0.77 | 21 | 2.67 | 0.48 | 21 | 2.33 | 0.86 |
| 55 | 2.5 Education | 2.5.1 Contributing to the professional development of other physical therapists by teaching/mentoring. | 26 | 2.54 | 0.71 | 26 | 2.65 | 0.49 | 26 | 2.42 | 0.81 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 46 | 2.1 Professional Behavior | 2.1.4 Maintaining state-of-the-art knowledge and skills by seeking own mentors and participating in continuing professional development (e.g., seminars, structured study, journal clubs, etc.). | 26 | 2.27 | 0.96 | 26 | 2.65 | 0.49 | 26 | 2.15 | 0.67 |
| 174 | 6.1 Nervous System | 6.1.4 Other peripheral neural impingements (not including thoracic outlet syndrome; e.g., carpal tunnel, Guyon's canal entrapment, peroneal nerve entrapment, tarsal tunnel syndrome). | 23 | 2.57 | 0.90 | 23 | 2.65 | 0.57 | 23 | 2.39 | 0.84 |
| 63 | 3.1.1 History | 3.1.1.1.1 Current and prior work. | 25 | 3.64 | 0.76 | 25 | 2.64 | 0.57 | 25 | 1.96 | 0.89 |
| 160 | 3.6 Re-assessment / re-evaluatio | 3.6.6 Making referrals to other providers as needed. | 22 | 2.86 | 0.83 | 22 | 2.64 | 0.49 | 21 | 2.24 | 0.77 |
| 149 | 3.5 Intervention | 3.5.25 Aerobic capacity and endurance exercises. | 22 | 3.32 | 0.95 | 22 | 2.64 | 0.49 | 22 | 1.95 | 0.90 |
| 193 | 6.2 Musculoskeletal System | 6.2.17 Rotator Cuff Pathology | 22 | 3.18 | 0.91 | 22 | 2.64 | 0.49 | 22 | 2.23 | 0.87 |
| 164 | 3.7 Outcomes Assessment | 3.7.4 Assessing improvement of patientâ€™s/clientâ€™s activities and participation based on best available evidence and patient/client-specific variables (i.e., benchmarking). | 22 | 3.41 | 0.67 | 22 | 2.64 | 0.58 | 22 | 2.27 | 0.88 |
| 198 | 6.2 Musculoskeletal System | 6.2.22 Curvature of the spine (e.g., scoliosis, kyphosis, lordosis).lordos | 22 | 2.73 | 0.98 | 22 | 2.64 | 0.58 | 22 | 2.32 | 0.84 |
| 23 | 1.3 Behavioral Sciences | 1.3.1.1 External environmental factors (e.g., expected behaviors and social pressures). | 26 | 3.69 | 0.62 | 26 | 2.62 | 0.57 | 26 | 2.50 | 0.51 |
| 32 | 1.3 Behavioral Sciences | 1.3.3.2 Exercise physiology across the lifespan. | 26 | 3.65 | 0.63 | 26 | 2.62 | 0.57 | 26 | 2.35 | 0.63 |
| 40 | 1.3 Behavioral Sciences | 1.3.3.10 Principles of prevention and wellness. | 26 | 3.58 | 0.58 | 26 | 2.62 | 0.57 | 26 | 2.38 | 0.50 |
| 42 | 1.4 Critical Inquiry for Evidence-I | 1.4.2 Application of research findings to orthopaedic spine physical therapy practice. | 26 | 3.42 | 0.70 | 26 | 2.62 | 0.50 | 26 | 2.50 | 0.65 |
| 118 | 3.2 Evaluation | 3.2.5 Considering implications of exam findings on activity, quality of life, and wellness as established by the ICF. | 23 | 3.78 | 0.42 | 23 | 2.61 | 0.50 | 23 | 2.43 | 0.79 |
| 53 | 2.4 Advocacy | 2.4.1 Promoting the orthopaedic spine physical therapist as the first contact provider in musculoskeletal spine pathology. | 26 | 3.35 | 0.80 | 25 | 2.60 | 0.65 | 26 | 2.35 | 0.85 |
| 141 | 3.5 Intervention | 3.5.17 Mobilization with movement. | 22 | 3.45 | 0.67 | 22 | 2.59 | 0.50 | 22 | 2.27 | 0.83 |
| 163 | 3.7 Outcomes Assessment | 3.7.3 Assessing promotion of primary and secondary prevention. | 22 | 3.32 | 0.84 | 22 | 2.59 | 0.59 | 22 | 2.32 | 0.89 |
| 196 | 6.2 Musculoskeletal System | 6.2.20 Thoracic Sprain Strain | 22 | 2.55 | 1.01 | 22 | 2.59 | 0.59 | 22 | 2.41 | 0.85 |
| 197 | 6.2 Musculoskeletal System | 6.2.21 Other Disorders of the Thoracic Spine | 22 | 2.41 | 1.01 | 22 | 2.59 | 0.67 | 22 | 2.45 | 0.74 |
| 144 | 3.5 Intervention | 3.5.4.20 Directional preference exercises/activities. | 22 | 3.59 | 0.59 | 22 | 2.59 | 0.59 | 22 | 2.32 | 0.84 |
| 165 | 3.7 Outcomes Assessment | 3.7.5 Using applicable, evidence-based outcomes measurement tools/questionnaires/scales (e.g., Oswestry, Fear Avoidance Behavior Questionnaire). | 22 | 3.32 | 0.78 | 22 | 2.59 | 0.50 | 22 | 2.14 | 0.99 |
| 26 | 1.3 Behavioral Sciences | 1.3.1.4 Impact of behavioral health risk factors (e.g., smoking effects on healing rates). | 26 | 3.54 | 0.76 | 26 | 2.58 | 0.58 | 26 | 2.31 | 0.62 |
| 21 | 1.2 Clinical Sciences | 1.2.2.5 Spine surgical interventions and their indications, contraindications, and precautions for orthopaedic spine physical therapy. | 26 | 3.04 | 0.92 | 26 | 2.58 | 0.50 | 26 | 2.19 | 0.75 |
| 79 | 3.1.1 History | 3.1.1.7 Obtaining data regarding medication usage patterns and effects of medications currently and previously taken (for chief complaint and for other conditions). | 25 | 3.84 | 0.37 | 25 | 2.56 | 0.58 | 25 | 2.00 | 0.87 |
| 130 | 3.5 Intervention | 3.5.6 Sleep hygiene education (e.g., sleep schedules, technology usage, sleep habits, relationship between sleep and medication usage). | 22 | 3.41 | 0.67 | 22 | 2.55 | 0.51 | 22 | 2.00 | 0.76 |
| 108 | 3.1.5 Test and Measures | 3.1.5.18 Neuromotor development and sensory integration (e.g., assessment of appropriate development, dexterity, coordination, and integration of the somatosensory system). | 24 | 3.63 | 0.77 | 24 | 2.54 | 0.59 | 23 | 2.22 | 0.85 |
| 98 | 3.1.5 Test and Measures | 3.1.5.8 Aerobic capacity and endurance (e.g., dyspnea perceived exertion, heart rate). | 24 | 3.08 | 0.88 | 24 | 2.54 | 0.51 | 24 | 1.96 | 0.81 |
| 38 | 1.3 Behavioral Sciences | 1.3.3.8 Models of differential diagnosis and clinical reasoning (e.g., hypothesis-oriented algorithm for clinicians (HOAC) model, prospect theory). | 26 | 3.65 | 0.69 | 26 | 2.54 | 0.65 | 24 | 2.58 | 0.65 |
| 190 | 6.2 Musculoskeletal System | 6.2.14 Piriformis Syndrome | 23 | 2.61 | 1.03 | 23 | 2.52 | 0.51 | 23 | 2.17 | 1.03 |
| 191 | 6.2 Musculoskeletal System | 6.2.15 Sacroiliac Dysfunction | 23 | 2.61 | 1.12 | 23 | 2.52 | 0.73 | 23 | 2.30 | 0.97 |
| 192 | 6.2 Musculoskeletal System | 6.2.16 Other Disorders of the Pelvic Girdle | 23 | 2.39 | 1.12 | 23 | 2.52 | 0.59 | 23 | 2.39 | 0.78 |
| 110 | 3.1.5 Test and Measures | 3.1.5.20 Tissue-specific diagnostic tests (i.e., special tests). | 24 | 3.88 | 0.34 | 24 | 2.50 | 0.59 | 24 | 2.38 | 0.82 |
| 105 | 3.1.5 Test and Measures | 3.1.5.15 Community, home, and work barriers. | 24 | 3.46 | 0.88 | 24 | 2.50 | 0.66 | 24 | 2.08 | 0.78 |
| 57 | 2.5 Education | 2.5.3 Educating the public regarding spine conditions, the role of orthopaedic spine physical therapists, and addressing common misconceptions. | 26 | 2.58 | 1.10 | 26 | 2.50 | 0.58 | 26 | 2.04 | 0.60 |
| 58 | 2.5 Education | 2.5.4 Educating other health care professionals and administrators as to the scope and role of orthopaedic spine physical therapists. | 26 | 2.46 | 1.03 | 26 | 2.50 | 0.58 | 26 | 2.12 | 0.71 |
| 47 | 2.2 Leadership | 2.2.1 Representing orthopaedic spine physical therapy and interacting with other professionals and organizations (e.g., inter-professional interaction and mentoring). | 26 | 2.42 | 1.10 | 26 | 2.50 | 0.58 | 26 | 2.31 | 0.84 |
| 116 | 3.2 Evaluation | 3.2.3 Incorporating data from ancillary testing (e.g., imaging, labs, electrophysiological studies). | 23 | 3.74 | 0.45 | 23 | 2.48 | 0.59 | 23 | 2.30 | 0.70 |
| 183 | 6.2 Musculoskeletal System | 6.2.7 Temporomandibular Dysfunction | 22 | 1.73 | 0.98 | 21 | 2.48 | 0.81 | 21 | 2.10 | 0.89 |
| 41 | 1.4 Critical Inquiry for Evidence-I | 1.4.1 Appraisal of research findings on orthopaedic spine physical therapy practice. | 26 | 2.65 | 1.06 | 26 | 2.46 | 0.58 | 26 | 2.31 | 0.74 |
| 134 | 3.5 Intervention | 3.5.10 Graded motor imagery. | 22 | 2.77 | 1.02 | 22 | 2.45 | 0.60 | 22 | 2.14 | 0.94 |
| 82 | 3.1.1 History | 3.1.1.10 Obtaining data on living environment and community characteristics. | 25 | 3.84 | 0.47 | 25 | 2.44 | 0.58 | 25 | 1.92 | 1.00 |
| 30 | 1.3 Behavioral Sciences | 1.3.2.4 Output mechanisms and expressions (e.g., immune, endocrine, sympathetic, behavioral). | 26 | 3.42 | 0.64 | 26 | 2.42 | 0.50 | 25 | 2.40 | 0.65 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| 54 | 2.4 Advocacy | 2.4.2 Advocating for orthopaedic spine physical therapy practice with national organizations, healthcare systems or law-making bodies. | 26 | 1.62 | 1.13 | 26 | 2.42 | 0.58 | 26 | 2.04 | 1.04 |
| 96 | 3.1.5 Test and Measures | 3.1.5.6 Anthropometric characteristics (e.g., edema, body dimensions and composition). | 24 | 3.46 | 0.72 | 24 | 2.42 | 0.50 | 24 | 2.04 | 0.86 |
| 142 | 3.5 Intervention | 3.5.18 Muscle energy techniques. | 22 | 3.18 | 0.91 | 22 | 2.41 | 0.67 | 22 | 2.18 | 0.85 |
| 81 | 3.1.1 History | 3.1.1.9 Obtaining general demographic information. | 25 | 3.88 | 0.33 | 25 | 2.40 | 0.58 | 25 | 1.88 | 0.97 |
| 173 | 6.1 Nervous System | 6.1.3 Thoracic Outlet Syndrome | 23 | 2.00 | 1.17 | 23 | 2.39 | 0.89 | 23 | 2.35 | 0.83 |
| 20 | 1.2 Clinical Sciences | 1.2.2.4 Nonsurgical interventional spine procedures (e.g., injections, radial ablation, denervation procedures) and their indications, contraindications, and precautions for orthopaedic spine physical therapy. | 26 | 3.19 | 0.90 | 26 | 2.38 | 0.64 | 26 | 2.12 | 0.71 |
| 56 | 2.5 Education | 2.5.2 Promoting awareness and benefits of fellowship programs in orthopaedic spine physical therapy. | 26 | 2.08 | 0.93 | 26 | 2.38 | 0.57 | 26 | 2.08 | 0.74 |
| 195 | 6.2 Musculoskeletal System | 6.2.19 Rib Dysfunction | 22 | 1.91 | 0.97 | 22 | 2.36 | 0.85 | 22 | 2.27 | 0.83 |
| 199 | 6.2 Musculoskeletal System | 6.2.23 Diastasis recti. | 22 | 1.86 | 1.28 | 22 | 2.36 | 0.90 | 22 | 2.05 | 0.95 |
| 94 | 3.1.5 Test and Measures | 3.1.5.4 Adaptive and supportive devices (e.g., taping, bracing, assistive devices, orthotics). | 24 | 3.25 | 0.94 | 24 | 2.33 | 0.56 | 24 | 2.00 | 0.78 |
| 143 | 3.5 Intervention | 3.5.19 Traction/distraction. | 22 | 2.95 | 0.95 | 22 | 2.32 | 0.57 | 22 | 2.14 | 0.89 |
| 131 | 3.5 Intervention | 3.5.7 Nutritional education. | 22 | 2.86 | 0.89 | 22 | 2.32 | 0.57 | 22 | 1.82 | 0.80 |
| 17 | 1.2 Clinical Sciences | 1.2.2.1 Imaging studies. | 26 | 3.50 | 0.71 | 26 | 2.31 | 0.62 | 26 | 2.08 | 0.80 |
| 106 | 3.1.5 Test and Measures | 3.1.5.16 Integumentary integrity. | 24 | 3.04 | 1.08 | 24 | 2.29 | 0.62 | 24 | 2.00 | 0.93 |
| 66 | 3.1.1 History | 3.1.1.1.4 Utilization of adaptive and supportive devices (e.g., taping, bracing, assistive devices, orthotics). | 25 | 3.24 | 0.78 | 25 | 2.28 | 0.61 | 25 | 1.84 | 0.80 |
| 136 | 3.5 Intervention | 3.5.4.12 Protective, adaptive or supportive device or equipment (e.g., orthotics, taping). | 22 | 3.00 | 0.82 | 22 | 2.27 | 0.55 | 22 | 1.95 | 0.90 |
| 61 | 2.6 Critical Inquiry and Evidence | 2.6.3 Evaluating the efficacy and effectiveness of examination tools, interventions, and technologies based upon available evidence. | 26 | 2.50 | 1.14 | 26 | 2.27 | 0.53 | 26 | 2.15 | 0.83 |
| 175 | 6.1 Nervous System | 6.1.5 Meralgia paresthetica. | 23 | 1.57 | 0.90 | 23 | 2.26 | 0.75 | 23 | 2.13 | 0.81 |
| 7 | 1.1 Foundation Sciences | 1.1.1.6 Histology (e.g., connective tissue, muscle fiber type, immunity). | 27 | 3.11 | 0.89 | 27 | 2.26 | 0.66 | 27 | 2.26 | 0.76 |
| 45 | 2.1 Professional Behavior | 2.1.3 Maintaining active participation in professional organizations that address issues related to orthopaedic spine care. | 26 | 2.00 | 1.06 | 26 | 2.23 | 0.59 | 26 | 1.65 | 1.02 |
| 153 | 3.5 Intervention | 3.5.28.2 Mindfulness. | 22 | 2.36 | 1.36 | 22 | 2.23 | 0.61 | 21 | 1.48 | 0.68 |
| 48 | 2.2 Leadership | 2.2.2 Planning, directing, organizing, and managing human, technical, environmental, and financial resources effectively and efficiently. | 26 | 2.54 | 1.42 | 25 | 2.20 | 0.71 | 25 | 2.00 | 0.87 |
| 18 | 1.2 Clinical Sciences | 1.2.2.2 Pharmacology. | 26 | 3.42 | 0.70 | 26 | 2.19 | 0.57 | 26 | 1.58 | 0.70 |
| 60 | 2.6 Critical Inquiry and Evidence | 2.6.2 Contributing to the body of evidence in orthopaedic spine physical therapy (e.g., peer-reviewed and non-peer-reviewed presentations and publications). | 26 | 0.96 | 0.72 | 26 | 2.19 | 0.63 | 26 | 1.88 | 0.95 |
| 62 | 2.6 Critical Inquiry and Evidence | 2.6.4 Identifying research needs within the field of orthopaedic spine physical therapy, evaluating outcomes data, and assessing new concepts and technologies. | 26 | 1.58 | 0.90 | 26 | 2.19 | 0.63 | 26 | 2.00 | 0.89 |
| 4 | 1.1 Foundation Sciences | 1.1.1.3 Cardiovascular and pulmonary systems. | 27 | 3.11 | 0.80 | 27 | 2.19 | 0.56 | 27 | 2.19 | 0.68 |
| 6 | 1.1 Foundation Sciences | 1.1.1.5 Human growth and development across the lifespan. | 27 | 3.11 | 0.85 | 27 | 2.19 | 0.62 | 27 | 2.22 | 0.80 |
| 152 | 3.5 Intervention | 3.5.28.1 Meditation. | 22 | 1.86 | 1.36 | 22 | 2.14 | 0.64 | 21 | 1.43 | 0.75 |
| 36 | 1.3 Behavioral Sciences | 1.3.3.6 Theory and application of orthotic, protective, and supportive devices. | 26 | 2.73 | 0.87 | 26 | 2.08 | 0.63 | 26 | 2.23 | 0.65 |
| 19 | 1.2 Clinical Sciences | 1.2.2.3 Ancillary tests (e.g., lab studies, EKG, electrophysiological exams). | 26 | 2.73 | 0.78 | 26 | 2.04 | 0.60 | 26 | 1.69 | 0.74 |
| 5 | 1.1 Foundation Sciences | 1.1.1.4 Integumentary system. | 27 | 2.96 | 1.02 | 27 | 2.00 | 0.78 | 27 | 1.89 | 0.80 |
| 8 | 1.1 Foundation Sciences | 1.1.1.7 Other systems (e.g., endocrine, digestive, genitourinary). | 27 | 2.89 | 0.85 | 27 | 2.00 | 0.68 | 27 | 1.93 | 0.73 |
| 145 | 3.5 Intervention | 3.5.4.21 Electro-therapeutic modalities (e.g., TENS, NMES). | 22 | 1.95 | 1.33 | 22 | 1.64 | 0.95 | 22 | 1.73 | 1.08 |
| 22 | 1.2 Clinical Sciences | 1.2.2.6 Developments in genetics/regenerative medicine (e.g., genetic markers, stem cell applications, genetic-based alterations to pharmacological interventions, immunity. | 26 | 1.62 | 1.33 | 26 | 1.62 | 0.80 | 26 | 1.27 | 1.04 |
| 146 | 3.5 Intervention | 3.5.4.22 Thermo-therapeutic modalities (e.g., heat, ice, ultrasound). | 22 | 2.14 | 1.28 | 22 | 1.45 | 0.91 | 22 | 1.50 | 0.96 |
| 148 | 3.5 Intervention | 3.5.24 Dry needling. | 21 | 0.76 | 1.18 | 21 | 1.24 | 1.04 | 20 | 1.25 | 1.33 |
| 147 | 3.5 Intervention | 3.5.23 Photo-therapeutic modalities (e.g., laser). | 22 | 0.82 | 1.05 | 22 | 0.64 | 0.73 | 21 | 0.76 | 1.04 |
| 154 | 3.5 Intervention | 3.5.28.3 Hypnosis. | 22 | 0.23 | 0.87 | 21 | 0.24 | 0.54 | 18 | 0.61 | 1.09 |

## Frequency of Responses in Survey Order

### Part 1. Foundation Sciences

| | | | | | Frequency | | | | | Percentage | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | # Responses | Daily / Very Important / Analysis | Weekly / Moderately Important / Application | Monthly / Little Importance / Recall | Less than once a month / Not Important | Never | Daily / Very Important / Analysis | Weekly / Moderately Important / Application | Monthly / Little Importance / Recall | Less than once a month / Not Important | Never |
| Part 1 | 1.1 Foundation Sciences | 1.1.1.1 Musculoskeletal system. | Frequency | 27 | 27 | 0 | 0 | 0 | | 100 | 0 | 0 | 0 | |
| | | | Importance | 27 | 26 | 1 | 0 | 0 | | 96.3 | 3.7 | 0.0 | 0.0 | |
| | | | Level of Judgment | 26 | 23 | 3 | 0 | | | 88.5 | 11.5 | 0.0 | | |
| | | 1.1.1.2 Neuromuscular system. | Frequency | 27 | 27 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | | Importance | 27 | 26 | 1 | 0 | 0 | | 96.3 | 3.7 | 0.0 | 0.0 | |
| | | | Level of Judgment | 27 | 25 | 2 | 0 | | | 92.6 | 7.4 | 0.0 | | |
| | | 1.1.1.3 Cardiovascular and pulmonary sy | Frequency | 27 | 9 | 13 | 4 | 1 | | 33.3 | 48.1 | 14.8 | 3.7 | |
| | | | Importance | 27 | 7 | 18 | 2 | 0 | | 25.9 | 66.7 | 7.4 | 0.0 | |
| | | | Level of Judgment | 27 | 9 | 14 | 4 | | | 33.3 | 51.9 | 14.8 | | |
| | | 1.1.1.4 Integumentary system. | Frequency | 27 | 9 | 11 | 5 | 1 | 1 | 33.3 | 40.7 | 18.5 | 3.7 | 3.7 |
| | | | Importance | 27 | 7 | 14 | 5 | 1 | | 25.9 | 51.9 | 18.5 | 3.7 | |
| | | | Level of Judgment | 26 | 6 | 13 | 7 | | | 23.1 | 50.0 | 26.9 | | |
| | | 1.1.1.5 Human growth and development | Frequency | 27 | 10 | 11 | 5 | 1 | | 37.0 | 40.7 | 18.5 | 3.7 | |
| | | | Importance | 27 | 8 | 16 | 3 | 0 | | 29.6 | 59.3 | 11.1 | 0.0 | |
| | | | Level of Judgment | 26 | 11 | 12 | 3 | | | 42.3 | 46.2 | 11.5 | | |
| | | 1.1.1.6 Histology (e.g., connective tissue, | Frequency | 27 | 10 | 12 | 3 | 2 | | 37.0 | 44.4 | 11.1 | 7.4 | |
| | | | Importance | 27 | 10 | 14 | 3 | 0 | | 37.0 | 51.9 | 11.1 | 0.0 | |
| | | | Level of Judgment | 27 | 12 | 10 | 5 | | | 44.4 | 37.0 | 18.5 | | |
| | | 1.1.1.7 Other systems (e.g., endocrine, d | Frequency | 27 | 6 | 14 | 5 | 2 | | 22.2 | 51.9 | 18.5 | 7.4 | |
| | | | Importance | 27 | 6 | 15 | 6 | 0 | | 22.2 | 55.6 | 22.2 | 0.0 | |
| | | | Level of Judgment | 27 | 6 | 13 | 8 | | | 22.2 | 48.1 | 29.6 | | |
| | 1.2 Clinical Sciences | 1.1.2.1 Kinesiology/biomechanics. | Frequency | 27 | 27 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | | Importance | 27 | 27 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | | Level of Judgment | 27 | 25 | 2 | 0 | | | 92.6 | 7.4 | 0.0 | | |
| | | 1.1.2.2 Neural control of movement. | Frequency | 27 | 26 | 1 | 0 | 0 | | 96.3 | 3.7 | 0.0 | 0.0 | |
| | | | Importance | 27 | 26 | 1 | 0 | 0 | | 96.3 | 3.7 | 0.0 | 0.0 | |
| | | | Level of Judgment | 27 | 22 | 5 | 0 | | | 81.5 | 18.5 | 0.0 | | |
| | | 1.1.2.3 Ergonomics. | Frequency | 27 | 21 | 6 | 0 | 0 | | 77.8 | 22.2 | 0.0 | 0.0 | |
| | | | Importance | 26 | 20 | 5 | 1 | 0 | | 76.9 | 19.2 | 3.8 | 0.0 | |
| | | | Level of Judgment | 27 | 17 | 10 | 0 | | | 63.0 | 37.0 | 0.0 | | |
| | | 1.1.2.4 Locomotion. | Frequency | 27 | 26 | 1 | 0 | 0 | | 96.3 | 3.7 | 0.0 | 0.0 | |
| | | | Importance | 27 | 24 | 3 | 0 | 0 | | 88.9 | 11.1 | 0.0 | 0.0 | |
| | | | Level of Judgment | 27 | 21 | 6 | 0 | | | 77.8 | 22.2 | 0.0 | | |
| | | 1.2.1.1 Signs and symptoms of disease/ir | Frequency | 26 | 25 | 0 | 1 | 0 | | 96.2 | 0.0 | 3.8 | 0.0 | |
| | | | Importance | 26 | 22 | 4 | 0 | 0 | | 84.6 | 15.4 | 0.0 | 0.0 | |
| | | | Level of Judgment | 26 | 19 | 5 | 2 | | | 73.1 | 19.2 | 7.7 | | |
| | | 1.2.1.2 Progression of disease/injury pro | Frequency | 26 | 23 | 3 | 0 | 0 | | 88.5 | 11.5 | 0.0 | 0.0 | |
| | | | Importance | 26 | 20 | 6 | 0 | 0 | | 76.9 | 23.1 | 0.0 | 0.0 | |
| | | | Level of Judgment | 26 | 17 | 7 | 2 | | | 65.4 | 26.9 | 7.7 | | |
| | | 1.2.1.3 Pathokinesiology. | Frequency | 25 | 23 | 2 | 0 | 0 | | 92.0 | 8.0 | 0.0 | 0.0 | |
| | | | Importance | 25 | 19 | 6 | 0 | 0 | | 76.0 | 24.0 | 0.0 | 0.0 | |
| | | | Level of Judgment | 25 | 16 | 7 | 2 | | | 64.0 | 28.0 | 8.0 | | |
| | | 1.2.1.4 Tissue inflammation, healing, anc | Frequency | 25 | 24 | 1 | 0 | 0 | | 96.0 | 4.0 | 0.0 | 0.0 | |
| | | | Importance | 25 | 23 | 2 | 0 | 0 | | 92.0 | 8.0 | 0.0 | 0.0 | |
| | | | Level of Judgment | 25 | 18 | 6 | 1 | | | 72.0 | 24.0 | 4.0 | | |
| | | 1.2.2.1 Imaging studies. | Frequency | 26 | 15 | 10 | 0 | 1 | | 57.7 | 38.5 | 0.0 | 3.8 | |
| | | | Importance | 26 | 10 | 14 | 2 | 0 | | 38.5 | 53.8 | 7.7 | 0.0 | |
| | | | Level of Judgment | 26 | 9 | 10 | 7 | | | 34.6 | 38.5 | 26.9 | | |
| | | 1.2.2.2 Pharmacology. | Frequency | 26 | 13 | 12 | 0 | 1 | | 50.0 | 46.2 | 0.0 | 3.8 | |
| | | | Importance | 26 | 7 | 17 | 2 | 0 | | 26.9 | 65.4 | 7.7 | 0.0 | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Level of Judgment | 26 | 3 | 9 | 14 | | | 11.5 | 34.6 | 53.8 | | | |
| | 1.2.2.3 Ancillary tests (e.g., lab studies, E | Frequency | 26 | 4 | 12 | 9 | 1 | | 15.4 | 46.2 | 34.6 | 3.8 | | |
| | | Importance | 26 | 5 | 17 | 4 | 0 | | 19.2 | 65.4 | 15.4 | 0.0 | | |
| | | Level of Judgment | 26 | 4 | 10 | 12 | | | 15.4 | 38.5 | 46.2 | | | |
| | 1.2.2.4 Nonsurgical interventional spine | Frequency | 26 | 12 | 8 | 5 | 1 | | 46.2 | 30.8 | 19.2 | 3.8 | | |
| | | Importance | 26 | 12 | 12 | 2 | 0 | | 46.2 | 46.2 | 7.7 | 0.0 | | |
| | | Level of Judgment | 26 | 8 | 13 | 5 | | | 30.8 | 50.0 | 19.2 | | | |
| | 1.2.2.5 Spine surgical interventions and t | Frequency | 26 | 9 | 11 | 4 | 2 | | 34.6 | 42.3 | 15.4 | 7.7 | | |
| | | Importance | 26 | 15 | 11 | 0 | 0 | | 57.7 | 42.3 | 0.0 | 0.0 | | |
| | | Level of Judgment | 26 | 10 | 11 | 5 | | | 38.5 | 42.3 | 19.2 | | | |
| | 1.2.2.6 Developments in genetics/regene | Frequency | 26 | 3 | 4 | 5 | 8 | 6 | 11.5 | 15.4 | 19.2 | 30.8 | 23.1 | |
| | | Importance | 26 | 3 | 12 | 9 | 2 | | 11.5 | 46.2 | 34.6 | 7.7 | | |
| | | Level of Judgment | 19 | 4 | 6 | 9 | | | 21.1 | 31.6 | 47.4 | | | |
| 1.3 Behavioral Sciences | 1.3.1.1 External environmental factors (e | Frequency | 26 | 20 | 4 | 2 | 0 | | 76.9 | 15.4 | 7.7 | 0.0 | | |
| | | Importance | 26 | 17 | 8 | 1 | 0 | | 65.4 | 30.8 | 3.8 | 0.0 | | |
| | | Level of Judgment | 26 | 13 | 13 | 0 | | | 50.0 | 50.0 | 0.0 | | | |
| | 1.3.1.2 Personal factors (e.g., compliance | Frequency | 26 | 25 | 0 | 1 | 0 | | 96.2 | 0.0 | 3.8 | 0.0 | | |
| | | Importance | 26 | 20 | 6 | 0 | 0 | | 76.9 | 23.1 | 0.0 | 0.0 | | |
| | | Level of Judgment | 26 | 17 | 9 | 0 | | | 65.4 | 34.6 | 0.0 | | | |
| | 1.3.1.3 Psychological/emotional conditio | Frequency | 26 | 22 | 4 | 0 | 0 | | 84.6 | 15.4 | 0.0 | 0.0 | | |
| | | Importance | 26 | 23 | 3 | 0 | 0 | | 88.5 | 11.5 | 0.0 | 0.0 | | |
| | | Level of Judgment | 26 | 16 | 10 | 0 | | | 61.5 | 38.5 | 0.0 | | | |
| | 1.3.1.4 Impact of behavioral health risk f | Frequency | 26 | 17 | 7 | 1 | 1 | | 65.4 | 26.9 | 3.8 | 3.8 | | |
| | | Importance | 26 | 16 | 9 | 1 | 0 | | 61.5 | 34.6 | 3.8 | 0.0 | | |
| | | Level of Judgment | 26 | 10 | 14 | 2 | | | 38.5 | 53.8 | 7.7 | | | |
| | 1.3.2.1 Peripheral nociceptive pain physi | Frequency | 25 | 20 | 5 | 0 | 0 | | 80.0 | 20.0 | 0.0 | 0.0 | | |
| | | Importance | 25 | 21 | 4 | 0 | 0 | | 84.0 | 16.0 | 0.0 | 0.0 | | |
| | | Level of Judgment | 25 | 17 | 8 | 0 | | | 68.0 | 32.0 | 0.0 | | | |
| | 1.3.2.2 Peripheral neurogenic/neuropath | Frequency | 26 | 21 | 4 | 1 | 0 | | 80.8 | 15.4 | 3.8 | 0.0 | | |
| | | Importance | 26 | 23 | 3 | 0 | 0 | | 88.5 | 11.5 | 0.0 | 0.0 | | |
| | | Level of Judgment | 26 | 18 | 8 | 0 | | | 69.2 | 30.8 | 0.0 | | | |
| | 1.3.2.3 Central nervous system/nociplast | Frequency | 26 | 20 | 5 | 1 | 0 | | 76.9 | 19.2 | 3.8 | 0.0 | | |
| | | Importance | 26 | 21 | 5 | 0 | 0 | | 80.8 | 19.2 | 0.0 | 0.0 | | |
| | | Level of Judgment | 26 | 21 | 5 | 0 | | | 80.8 | 19.2 | 0.0 | | | |
| | 1.3.2.4 Output mechanisms and expressi | Frequency | 26 | 13 | 11 | 2 | 0 | | 50.0 | 42.3 | 7.7 | 0.0 | | |
| | | Importance | 26 | 11 | 15 | 0 | 0 | | 42.3 | 57.7 | 0.0 | 0.0 | | |
| | | Level of Judgment | 25 | 12 | 11 | 2 | | | 48.0 | 44.0 | 8.0 | | | |
| | 1.3.3.1 Biopsychosocial model. | Frequency | 26 | 22 | 4 | 0 | 0 | | 84.6 | 15.4 | 0.0 | 0.0 | | |
| | | Importance | 25 | 20 | 5 | 0 | 0 | | 80.0 | 20.0 | 0.0 | 0.0 | | |
| | | Level of Judgment | 26 | 15 | 11 | 0 | | | 57.7 | 42.3 | 0.0 | | | |
| | 1.3.3.2 Exercise physiology across the lif | Frequency | 26 | 19 | 5 | 2 | 0 | | 73.1 | 19.2 | 7.7 | 0.0 | | |
| | | Importance | 26 | 17 | 8 | 1 | 0 | | 65.4 | 30.8 | 3.8 | 0.0 | | |
| | | Level of Judgment | 26 | 11 | 13 | 2 | | | 42.3 | 50.0 | 7.7 | | | |
| | 1.3.3.3 Manual therapy techniques. | Frequency | 26 | 25 | 1 | 0 | 0 | | 96.2 | 3.8 | 0.0 | 0.0 | | |
| | | Importance | 26 | 22 | 4 | 0 | 0 | | 84.6 | 15.4 | 0.0 | 0.0 | | |
| | | Level of Judgment | 26 | 18 | 8 | 0 | | | 69.2 | 30.8 | 0.0 | | | |
| | 1.3.3.4 Movement systems impairments. | Frequency | 26 | 25 | 1 | 0 | 0 | | 96.2 | 3.8 | 0.0 | 0.0 | | |
| | | Importance | 26 | 26 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | | |
| | | Level of Judgment | 25 | 20 | 5 | 0 | | | 80.0 | 20.0 | 0.0 | | | |
| | 1.3.3.5 Motor control and motor learnin | Frequency | 26 | 26 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | | |
| | | Importance | 26 | 25 | 1 | 0 | 0 | | 96.2 | 3.8 | 0.0 | 0.0 | | |
| | | Level of Judgment | 25 | 20 | 5 | 0 | | | 80.0 | 20.0 | 0.0 | | | |
| | 1.3.3.6 Theory and application of orthoti | Frequency | 26 | 5 | 11 | 8 | 2 | | 19.2 | 42.3 | 30.8 | 7.7 | | |
| | | Importance | 26 | 6 | 16 | 4 | 0 | | 23.1 | 61.5 | 15.4 | 0.0 | | |
| | | Level of Judgment | 26 | 9 | 14 | 3 | | | 34.6 | 53.8 | 11.5 | | | |
| | 1.3.3.7 Therapeutic exercise. | Frequency | 26 | 26 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | | |
| | | Importance | 26 | 25 | 1 | 0 | 0 | | 96.2 | 3.8 | 0.0 | 0.0 | | |
| | | Level of Judgment | 26 | 21 | 5 | 0 | | | 80.8 | 19.2 | 0.0 | | | |
| | 1.3.3.8 Models of differential diagnosis a | Frequency | 26 | 19 | 6 | 0 | 1 | | 73.1 | 23.1 | 0.0 | 3.8 | | |
| | | Importance | 26 | 16 | 8 | 2 | 0 | | 61.5 | 30.8 | 7.7 | 0.0 | | |
| | | Level of Judgment | 24 | 16 | 6 | 2 | | | 66.7 | 25.0 | 8.3 | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1.3.3.9 Principles of teaching and learnin | Frequency | 26 | 18 | 7 | 1 | 0 | | 69.2 | 26.9 | 3.8 | 0.0 | |
| | | | Importance | 26 | 19 | 7 | 0 | 0 | | 73.1 | 26.9 | 0.0 | 0.0 | |
| | | | Level of Judgment | 26 | 15 | 11 | 0 | | | 57.7 | 42.3 | 0.0 | | |
| | | 1.3.3.10 Principles of prevention and we | Frequency | 26 | 16 | 9 | 1 | 0 | | 61.5 | 34.6 | 3.8 | 0.0 | |
| | | | Importance | 26 | 17 | 8 | 1 | 0 | | 65.4 | 30.8 | 3.8 | 0.0 | |
| | | | Level of Judgment | 26 | 10 | 16 | 0 | | | 38.5 | 61.5 | 0.0 | | |
| | 1.4 Critical Inquiry for Evidence-Base | 1.4.1 Appraisal of research findings on o | Frequency | 26 | 5 | 12 | 5 | 3 | 1 | 19.2 | 46.2 | 19.2 | 11.5 | 3.8 |
| | | | Importance | 26 | 13 | 12 | 1 | 0 | | 50.0 | 46.2 | 3.8 | 0.0 | |
| | | | Level of Judgment | 26 | 12 | 10 | 4 | | | 46.2 | 38.5 | 15.4 | | |
| | | 1.4.2 Application of research findings to | Frequency | 26 | 14 | 9 | 3 | 0 | | 53.8 | 34.6 | 11.5 | 0.0 | |
| | | | Importance | 26 | 16 | 10 | 0 | 0 | | 61.5 | 38.5 | 0.0 | 0.0 | |
| | | | Level of Judgment | 26 | 15 | 9 | 2 | | | 57.7 | 34.6 | 7.7 | | |

**Part 2. Professional Behavior and Part 3. Examination**

| | | | | | Frequency | | | | | Percentage | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | # Responses | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never |
| Par 2 | 2.1 Professional Behavior | 2.1.1 Consulting with and/or educating p | Frequency | 26 | 7 | 12 | 5 | 2 | | 26.9 | 46.2 | 19.2 | 7.7 | |
| | | | Importance | 26 | 18 | 8 | 0 | 0 | | 69.2 | 30.8 | 0.0 | 0.0 | |
| | | | Level of Mastery | 25 | 12 | 9 | 4 | 0 | | 48.0 | 36.0 | 16.0 | 0.0 | |
| | | 2.1.2 Using patient-centered ethics and v | Frequency | 26 | 22 | 2 | 2 | 0 | | 84.6 | 7.7 | 7.7 | 0.0 | |
| | | | Importance | 26 | 23 | 3 | 0 | 0 | | 88.5 | 11.5 | 0.0 | 0.0 | |
| | | | Level of Mastery | 26 | 11 | 9 | 4 | 2 | | 42.3 | 34.6 | 15.4 | 7.7 | |
| | | 2.1.3 Maintaining active participation in | Frequency | 26 | 3 | 4 | 10 | 8 | 1 | 11.5 | 15.4 | 38.5 | 30.8 | 3.8 |
| | | | Importance | 26 | 8 | 16 | 2 | 0 | | 30.8 | 61.5 | 7.7 | 0.0 | |
| | | | Level of Mastery | 26 | 6 | 9 | 7 | 4 | | 23.1 | 34.6 | 26.9 | 15.4 | |
| | | 2.1.4 Maintaining state-of-the-art knowl | Frequency | 26 | 3 | 7 | 10 | 6 | | 11.5 | 26.9 | 38.5 | 23.1 | |
| | | | Importance | 26 | 17 | 9 | 0 | 0 | | 65.4 | 34.6 | 0.0 | 0.0 | |
| | | | Level of Mastery | 26 | 7 | 17 | 1 | 1 | | 26.9 | 65.4 | 3.8 | 3.8 | |
| | | 2.2.1 Representing orthopaedic spine ph | Frequency | 26 | 6 | 5 | 9 | 6 | | 23.1 | 19.2 | 34.6 | 23.1 | |
| | | | Importance | 26 | 14 | 11 | 1 | 0 | | 53.8 | 42.3 | 3.8 | 0.0 | |
| | | | Level of Mastery | 26 | 13 | 9 | 3 | 1 | | 50.0 | 34.6 | 11.5 | 3.8 | |
| | 2.2 Leadership | 2.2.2 Planning, directing, organizing, and | Frequency | 26 | 10 | 3 | 7 | 3 | 3 | 38.5 | 11.5 | 26.9 | 11.5 | 11.5 |
| | | | Importance | 25 | 9 | 12 | 4 | 0 | | 36.0 | 48.0 | 16.0 | 0.0 | |
| | | | Level of Mastery | 25 | 7 | 13 | 3 | 2 | | 28.0 | 52.0 | 12.0 | 8.0 | |
| | | 2.2.3 Modeling and facilitating the transl | Frequency | 26 | 15 | 4 | 5 | 2 | | 57.7 | 15.4 | 19.2 | 7.7 | |
| | | | Importance | 26 | 19 | 6 | 1 | 0 | | 73.1 | 23.1 | 3.8 | 0.0 | |
| | | | Level of Mastery | 26 | 13 | 12 | 1 | 0 | | 50.0 | 46.2 | 3.8 | 0.0 | |
| | | 2.2.4 Acting as an expert resource for pe | Frequency | 26 | 11 | 12 | 2 | 1 | | 42.3 | 46.2 | 7.7 | 3.8 | |
| | | | Importance | 26 | 21 | 5 | 0 | 0 | | 80.8 | 19.2 | 0.0 | 0.0 | |
| | | | Level of Mastery | 26 | 19 | 6 | 1 | 0 | | 73.1 | 23.1 | 3.8 | 0.0 | |
| | 2.3 Communication | 2.3.1 Empowering patients with orthopa | Frequency | 26 | 24 | 2 | 0 | 0 | | 92.3 | 7.7 | 0.0 | 0.0 | |
| | | | Importance | 26 | 26 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | | Level of Mastery | 25 | 13 | 10 | 2 | 0 | | 52.0 | 40.0 | 8.0 | 0.0 | |
| | | 2.3.2 Facilitating collaborative and multi | Frequency | 26 | 9 | 14 | 3 | 0 | | 34.6 | 53.8 | 11.5 | 0.0 | |
| | | | Importance | 26 | 20 | 6 | 0 | 0 | | 76.9 | 23.1 | 0.0 | 0.0 | |
| | | | Level of Mastery | 26 | 9 | 14 | 1 | 2 | | 34.6 | 53.8 | 3.8 | 7.7 | |
| | 2.4 Advocacy | 2.4.1 Promoting the orthopaedic spine p | Frequency | 26 | 14 | 7 | 5 | 0 | | 53.8 | 26.9 | 19.2 | 0.0 | |
| | | | Importance | 25 | 17 | 6 | 2 | 0 | | 68.0 | 24.0 | 8.0 | 0.0 | |
| | | | Level of Mastery | 26 | 14 | 8 | 3 | 1 | | 53.8 | 30.8 | 11.5 | 3.8 | |
| | | 2.4.2 Advocating for orthopaedic spine p | Frequency | 26 | 3 | 1 | 8 | 11 | 3 | 11.5 | 3.8 | 30.8 | 42.3 | 11.5 |
| | | | Importance | 26 | 12 | 13 | 1 | 0 | | 46.2 | 50.0 | 3.8 | 0.0 | |
| | | | Level of Mastery | 26 | 11 | 8 | 4 | 3 | | 42.3 | 30.8 | 15.4 | 11.5 | |
| | 2.5 Education | 2.5.1 Contributing to the professional de | Frequency | 26 | 1 | 14 | 9 | 2 | | 3.8 | 53.8 | 34.6 | 7.7 | |
| | | | Importance | 26 | 17 | 9 | 0 | 0 | | 65.4 | 34.6 | 0.0 | 0.0 | |
| | | | Level of Mastery | 26 | 15 | 8 | 2 | 1 | | 57.7 | 30.8 | 7.7 | 3.8 | |
| | | 2.5.2 Promoting awareness and benefits | Frequency | 26 | 3 | 3 | 13 | 7 | | 11.5 | 11.5 | 50.0 | 26.9 | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Importance | 26 | 11 | 14 | 1 | 0 | | 42.3 | 53.8 | 3.8 | 0.0 | | |
| | | | Level of Mastery | 26 | 8 | 12 | 6 | 0 | | 30.8 | 46.2 | 23.1 | 0.0 | | |
| | | 2.5.3 Educating the public regarding spin | Frequency | 26 | 7 | 6 | 8 | 5 | | 26.9 | 23.1 | 30.8 | 19.2 | | |
| | | | Importance | 26 | 14 | 11 | 1 | 0 | | 53.8 | 42.3 | 3.8 | 0.0 | | |
| | | | Level of Mastery | 26 | 5 | 17 | 4 | 0 | | 19.2 | 65.4 | 15.4 | 0.0 | | |
| | | 2.5.4 Educating other health care profes | Frequency | 26 | 5 | 7 | 9 | 5 | | 19.2 | 26.9 | 34.6 | 19.2 | | |
| | | | Importance | 26 | 14 | 11 | 1 | 0 | | 53.8 | 42.3 | 3.8 | 0.0 | | |
| | | | Level of Mastery | 26 | 8 | 13 | 5 | 0 | | 30.8 | 50.0 | 19.2 | 0.0 | | |
| | 2.6 Critical Inquiry and Evidence-Bas | 2.6.1 Applying principles of evidence-ba | Frequency | 26 | 21 | 3 | 2 | 0 | | 80.8 | 11.5 | 7.7 | 0.0 | | |
| | | | Importance | 26 | 21 | 5 | 0 | 0 | | 80.8 | 19.2 | 0.0 | 0.0 | | |
| | | | Level of Mastery | 26 | 12 | 10 | 3 | 1 | | 46.2 | 38.5 | 11.5 | 3.8 | | |
| | | 2.6.2 Contributing to the body of eviden | Frequency | 26 | 0 | 2 | 0 | 19 | 5 | 0.0 | 7.7 | 0.0 | 73.1 | 19.2 | |
| | | | Importance | 26 | 8 | 15 | 3 | 0 | | 30.8 | 57.7 | 11.5 | 0.0 | | |
| | | | Level of Mastery | 26 | 7 | 12 | 4 | 3 | | 26.9 | 46.2 | 15.4 | 11.5 | | |
| | | 2.6.3 Evaluating the efficacy and effectiv | Frequency | 26 | 5 | 10 | 5 | 5 | 1 | 19.2 | 38.5 | 19.2 | 19.2 | 3.8 | |
| | | | Importance | 26 | 8 | 17 | 1 | 0 | | 30.8 | 65.4 | 3.8 | 0.0 | | |
| | | | Level of Mastery | 26 | 9 | 14 | 1 | 2 | | 34.6 | 53.8 | 3.8 | 7.7 | | |
| | | 2.6.4 Identifying research needs within t | Frequency | 26 | 1 | 3 | 7 | 14 | 1 | 3.8 | 11.5 | 26.9 | 53.8 | 3.8 | |
| | | | Importance | 26 | 8 | 15 | 3 | 0 | | 30.8 | 57.7 | 11.5 | 0.0 | | |
| | | | Level of Mastery | 26 | 8 | 12 | 4 | 2 | | 30.8 | 46.2 | 15.4 | 7.7 | | |
| Part 3 | 3.1.1 History | 3.1.1.1.1 Current and prior work. | Frequency | 25 | 19 | 4 | 1 | 1 | | 76.0 | 16.0 | 4.0 | 4.0 | | |
| | | | Importance | 25 | 17 | 7 | 1 | 0 | | 68.0 | 28.0 | 4.0 | 0.0 | | |
| | | | Level of Mastery | 25 | 7 | 12 | 4 | 2 | | 28.0 | 48.0 | 16.0 | 8.0 | | |
| | | 3.1.1.1.2 Activity requirements/occupati | Frequency | 25 | 21 | 1 | 0 | 3 | | 84.0 | 4.0 | 0.0 | 12.0 | | |
| | | | Importance | 25 | 18 | 6 | 1 | 0 | | 72.0 | 24.0 | 4.0 | 0.0 | | |
| | | | Level of Mastery | 25 | 6 | 12 | 3 | 4 | | 24.0 | 48.0 | 12.0 | 16.0 | | |
| | | 3.1.1.1.3 Ergonomic considerations. | Frequency | 25 | 22 | 2 | 1 | 0 | | 88.0 | 8.0 | 4.0 | 0.0 | | |
| | | | Importance | 25 | 18 | 6 | 1 | 0 | | 72.0 | 24.0 | 4.0 | 0.0 | | |
| | | | Level of Mastery | 25 | 7 | 12 | 4 | 2 | | 28.0 | 48.0 | 16.0 | 8.0 | | |
| | | 3.1.1.1.4 Utilization of adaptive and supp | Frequency | 25 | 10 | 12 | 2 | 1 | | 40.0 | 48.0 | 8.0 | 4.0 | | |
| | | | Importance | 25 | 9 | 14 | 2 | 0 | | 36.0 | 56.0 | 8.0 | 0.0 | | |
| | | | Level of Mastery | 25 | 5 | 12 | 7 | 1 | | 20.0 | 48.0 | 28.0 | 4.0 | | |
| | | 3.1.1.2.1 Recognition of contributions fr | Frequency | 25 | 25 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | | |
| | | | Importance | 23 | 20 | 3 | 0 | 0 | | 87.0 | 13.0 | 0.0 | 0.0 | | |
| | | | Level of Mastery | 23 | 12 | 8 | 1 | 2 | | 52.2 | 34.8 | 4.3 | 8.7 | | |
| | | 3.1.1.2.2 Quality and behavior of sympto | Frequency | 25 | 24 | 1 | 0 | 0 | | 96.0 | 4.0 | 0.0 | 0.0 | | |
| | | | Importance | 23 | 19 | 4 | 0 | 0 | | 82.6 | 17.4 | 0.0 | 0.0 | | |
| | | | Level of Mastery | 24 | 13 | 8 | 1 | 2 | | 54.2 | 33.3 | 4.2 | 8.3 | | |
| | | 3.1.1.2.3 Symptom irritability (onset, off | Frequency | 25 | 25 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | | |
| | | | Importance | 23 | 22 | 1 | 0 | 0 | | 95.7 | 4.3 | 0.0 | 0.0 | | |
| | | | Level of Mastery | 25 | 15 | 6 | 2 | 2 | | 60.0 | 24.0 | 8.0 | 8.0 | | |
| | | 3.1.1.2.4 Onset of condition (e.g., mecha | Frequency | 25 | 23 | 2 | 0 | 0 | | 92.0 | 8.0 | 0.0 | 0.0 | | |
| | | | Importance | 24 | 22 | 2 | 0 | 0 | | 91.7 | 8.3 | 0.0 | 0.0 | | |
| | | | Level of Mastery | 25 | 12 | 10 | 1 | 2 | | 48.0 | 40.0 | 4.0 | 8.0 | | |
| | | 3.1.1.2.5 Current and previous therapeut | Frequency | 25 | 24 | 1 | 0 | 0 | | 96.0 | 4.0 | 0.0 | 0.0 | | |
| | | | Importance | 25 | 20 | 5 | 0 | 0 | | 80.0 | 20.0 | 0.0 | 0.0 | | |
| | | | Level of Mastery | 25 | 13 | 8 | 2 | 2 | | 52.0 | 32.0 | 8.0 | 8.0 | | |
| | | 3.1.1.2.6 Readiness for change. | Frequency | 25 | 24 | 1 | 0 | 0 | | 96.0 | 4.0 | 0.0 | 0.0 | | |
| | | | Importance | 25 | 21 | 4 | 0 | 0 | | 84.0 | 16.0 | 0.0 | 0.0 | | |
| | | | Level of Mastery | 25 | 12 | 9 | 4 | 0 | | 48.0 | 36.0 | 16.0 | 0.0 | | |
| | | 3.1.1.2.7 Goals of the patient, family, an | Frequency | 25 | 22 | 3 | 0 | 0 | | 88.0 | 12.0 | 0.0 | 0.0 | | |
| | | | Importance | 25 | 21 | 4 | 0 | 0 | | 84.0 | 16.0 | 0.0 | 0.0 | | |
| | | | Level of Mastery | 25 | 14 | 6 | 3 | 2 | | 56.0 | 24.0 | 12.0 | 8.0 | | |
| | | 3.1.1.3 Obtaining data regarding functio | Frequency | 25 | 23 | 2 | 0 | 0 | | 92.0 | 8.0 | 0.0 | 0.0 | | |
| | | | Importance | 25 | 19 | 6 | 0 | 0 | | 76.0 | 24.0 | 0.0 | 0.0 | | |
| | | | Level of Mastery | 25 | 11 | 8 | 4 | 2 | | 44.0 | 32.0 | 16.0 | 8.0 | | |
| | | 3.1.1.4.1 Physical function. | Frequency | 25 | 24 | 1 | 0 | 0 | | 96.0 | 4.0 | 0.0 | 0.0 | | |
| | | | Importance | 25 | 21 | 4 | 0 | 0 | | 84.0 | 16.0 | 0.0 | 0.0 | | |
| | | | Level of Mastery | 25 | 12 | 7 | 4 | 2 | | 48.0 | 28.0 | 16.0 | 8.0 | | |
| | | 3.1.1.4.2 Psychosocial factors (e.g., anxie | Frequency | 25 | 22 | 2 | 1 | 0 | | 88.0 | 8.0 | 4.0 | 0.0 | | |
| | | | Importance | 25 | 23 | 2 | 0 | 0 | | 92.0 | 8.0 | 0.0 | 0.0 | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Level of Mastery | 25 | 15 | 7 | 3 | 0 | 60.0 | 28.0 | 12.0 | 0.0 |
| | 3.1.1.5 Obtaining data regarding social/h | Frequency | 24 | 22 | 2 | 0 | 0 | 91.7 | 8.3 | 0.0 | 0.0 |
| | | Importance | 25 | 18 | 7 | 0 | 0 | 72.0 | 28.0 | 0.0 | 0.0 |
| | | Level of Mastery | 25 | 11 | 10 | 4 | 0 | 44.0 | 40.0 | 16.0 | 0.0 |
| | 3.1.1.6 Obtaining medical/surgical histor | Frequency | 25 | 24 | 1 | 0 | 0 | 96.0 | 4.0 | 0.0 | 0.0 |
| | | Importance | 25 | 20 | 5 | 0 | 0 | 80.0 | 20.0 | 0.0 | 0.0 |
| | | Level of Mastery | 25 | 11 | 6 | 6 | 2 | 44.0 | 24.0 | 24.0 | 8.0 |
| | 3.1.1.7 Obtaining data regarding medical | Frequency | 25 | 21 | 4 | 0 | 0 | 84.0 | 16.0 | 0.0 | 0.0 |
| | | Importance | 25 | 15 | 9 | 1 | 0 | 60.0 | 36.0 | 4.0 | 0.0 |
| | | Level of Mastery | 25 | 7 | 13 | 3 | 2 | 28.0 | 52.0 | 12.0 | 8.0 |
| | 3.1.1.8 Obtaining data regarding social h | Frequency | 25 | 23 | 2 | 0 | 0 | 92.0 | 8.0 | 0.0 | 0.0 |
| | | Importance | 25 | 18 | 7 | 0 | 0 | 72.0 | 28.0 | 0.0 | 0.0 |
| | | Level of Mastery | 25 | 11 | 10 | 4 | 0 | 44.0 | 40.0 | 16.0 | 0.0 |
| | 3.1.1.9 Obtaining general demographic i | Frequency | 25 | 22 | 3 | 0 | 0 | 88.0 | 12.0 | 0.0 | 0.0 |
| | | Importance | 25 | 11 | 13 | 1 | 0 | 44.0 | 52.0 | 4.0 | 0.0 |
| | | Level of Mastery | 25 | 7 | 11 | 4 | 3 | 28.0 | 44.0 | 16.0 | 12.0 |
| | 3.1.1.10 Obtaining data on living environ | Frequency | 25 | 22 | 2 | 1 | 0 | 88.0 | 8.0 | 4.0 | 0.0 |
| | | Importance | 25 | 12 | 12 | 1 | 0 | 48.0 | 48.0 | 4.0 | 0.0 |
| | | Level of Mastery | 25 | 8 | 10 | 4 | 3 | 32.0 | 40.0 | 16.0 | 12.0 |
| 3.1.2 Interpreting Data from History | 3.1.2.1 Developing a working hypothesis | Frequency | 24 | 23 | 1 | 0 | 0 | 95.8 | 4.2 | 0.0 | 0.0 |
| | | Importance | 22 | 22 | 0 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 |
| | | Level of Mastery | 23 | 14 | 7 | 1 | 1 | 60.9 | 30.4 | 4.3 | 4.3 |
| | 3.1.2.2 Assessing "red flags" and determi | Frequency | 24 | 23 | 1 | 0 | 0 | 95.8 | 4.2 | 0.0 | 0.0 |
| | | Importance | 24 | 23 | 1 | 0 | 0 | 95.8 | 4.2 | 0.0 | 0.0 |
| | | Level of Mastery | 23 | 14 | 8 | 0 | 1 | 60.9 | 34.8 | 0.0 | 4.3 |
| | 3.1.2.3 Identifying chief and secondary p | Frequency | 24 | 24 | 0 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 |
| | | Importance | 24 | 20 | 4 | 0 | 0 | 83.3 | 16.7 | 0.0 | 0.0 |
| | | Level of Mastery | 23 | 13 | 6 | 3 | 1 | 56.5 | 26.1 | 13.0 | 4.3 |
| 3.1.3 Planning a Physical Exam | 3.1.3.1 Includes examination techniques | Frequency | 24 | 24 | 0 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 |
| | | Importance | 24 | 24 | 0 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 |
| | | Level of Mastery | 24 | 14 | 7 | 3 | 0 | 58.3 | 29.2 | 12.5 | 0.0 |
| | 3.1.3.2 Is comprehensive but has the foc | Frequency | 24 | 24 | 0 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 |
| | | Importance | 24 | 21 | 3 | 0 | 0 | 87.5 | 12.5 | 0.0 | 0.0 |
| | | Level of Mastery | 24 | 13 | 10 | 1 | 0 | 54.2 | 41.7 | 4.2 | 0.0 |
| | 3.1.3.3 Considers the nature, severity, ar | Frequency | 24 | 24 | 0 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 |
| | | Importance | 24 | 20 | 4 | 0 | 0 | 83.3 | 16.7 | 0.0 | 0.0 |
| | | Level of Mastery | 24 | 15 | 8 | 0 | 1 | 62.5 | 33.3 | 0.0 | 4.2 |
| | 3.1.3.4 Prioritizes areas, movements, and | Frequency | 24 | 23 | 1 | 0 | 0 | 95.8 | 4.2 | 0.0 | 0.0 |
| | | Importance | 24 | 20 | 4 | 0 | 0 | 83.3 | 16.7 | 0.0 | 0.0 |
| | | Level of Mastery | 23 | 14 | 8 | 0 | 1 | 60.9 | 34.8 | 0.0 | 4.3 |
| 3.1.4 Systems Review | 3.1.4.1 Performing systems review to ide | Frequency | 24 | 19 | 4 | 1 | 0 | 79.2 | 16.7 | 4.2 | 0.0 |
| | | Importance | 23 | 16 | 7 | 0 | 0 | 69.6 | 30.4 | 0.0 | 0.0 |
| | | Level of Mastery | 23 | 9 | 10 | 2 | 2 | 39.1 | 43.5 | 8.7 | 8.7 |
| 3.1.5 Test and Measures | 3.1.5.1 Ergonomics and body mechanics. | Frequency | 24 | 23 | 1 | 0 | 0 | 95.8 | 4.2 | 0.0 | 0.0 |
| | | Importance | 24 | 21 | 3 | 0 | 0 | 87.5 | 12.5 | 0.0 | 0.0 |
| | | Level of Mastery | 23 | 12 | 8 | 2 | 1 | 52.2 | 34.8 | 8.7 | 4.3 |
| | 3.1.5.2 Gait, locomotion, and balance. | Frequency | 24 | 24 | 0 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 |
| | | Importance | 24 | 22 | 2 | 0 | 0 | 91.7 | 8.3 | 0.0 | 0.0 |
| | | Level of Mastery | 24 | 13 | 8 | 1 | 2 | 54.2 | 33.3 | 4.2 | 8.3 |
| | 3.1.5.3 Work (job/school/play), commun | Frequency | 23 | 22 | 1 | 0 | 0 | 95.7 | 4.3 | 0.0 | 0.0 |
| | | Importance | 23 | 18 | 5 | 0 | 0 | 78.3 | 21.7 | 0.0 | 0.0 |
| | | Level of Mastery | 23 | 13 | 8 | 1 | 1 | 56.5 | 34.8 | 4.3 | 4.3 |
| | 3.1.5.4 Adaptive and supportive devices | Frequency | 24 | 13 | 5 | 5 | 1 | 54.2 | 20.8 | 20.8 | 4.2 |
| | | Importance | 24 | 9 | 14 | 1 | 0 | 37.5 | 58.3 | 4.2 | 0.0 |
| | | Level of Mastery | 24 | 6 | 13 | 4 | 1 | 25.0 | 54.2 | 16.7 | 4.2 |
| | 3.1.5.5 Pain. | Frequency | 24 | 24 | 0 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 |
| | | Importance | 24 | 23 | 1 | 0 | 0 | 95.8 | 4.2 | 0.0 | 0.0 |
| | | Level of Mastery | 24 | 15 | 5 | 2 | 2 | 62.5 | 20.8 | 8.3 | 8.3 |
| | 3.1.5.6 Anthropometric characteristics (e | Frequency | 24 | 14 | 7 | 3 | 0 | 58.3 | 29.2 | 12.5 | 0.0 |
| | | Importance | 24 | 10 | 14 | 0 | 0 | 41.7 | 58.3 | 0.0 | 0.0 |
| | | Level of Mastery | 24 | 8 | 10 | 5 | 1 | 33.3 | 41.7 | 20.8 | 4.2 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3.1.5.7 Circulation (e.g., vertebral artery | Frequency | 24 | 8 | 12 | 4 | 0 | | 33.3 | 50.0 | 16.7 | 0.0 | | | |
| | | Importance | 24 | 17 | 7 | 0 | 0 | | 70.8 | 29.2 | 0.0 | 0.0 | | | |
| | | Level of Mastery | 24 | 9 | 9 | 5 | 1 | | 37.5 | 37.5 | 20.8 | 4.2 | | | |
| | 3.1.5.8 Aerobic capacity and endurance ( | Frequency | 24 | 9 | 9 | 5 | 1 | | 37.5 | 37.5 | 20.8 | 4.2 | | | |
| | | Importance | 24 | 13 | 11 | 0 | 0 | | 54.2 | 45.8 | 0.0 | 0.0 | | | |
| | | Level of Mastery | 24 | 6 | 12 | 5 | 1 | | 25.0 | 50.0 | 20.8 | 4.2 | | | |
| | 3.1.5.9 Neurodynamics. | Frequency | 24 | 22 | 2 | 0 | 0 | | 91.7 | 8.3 | 0.0 | 0.0 | | | |
| | | Importance | 24 | 22 | 2 | 0 | 0 | | 91.7 | 8.3 | 0.0 | 0.0 | | | |
| | | Level of Mastery | 22 | 15 | 6 | 0 | 1 | | 68.2 | 27.3 | 0.0 | 4.5 | | | |
| | 3.1.5.10 Sensory integrity (e.g., assessme | Frequency | 24 | 17 | 7 | 0 | 0 | | 70.8 | 29.2 | 0.0 | 0.0 | | | |
| | | Importance | 24 | 21 | 3 | 0 | 0 | | 87.5 | 12.5 | 0.0 | 0.0 | | | |
| | | Level of Mastery | 21 | 15 | 4 | 0 | 2 | | 71.4 | 19.0 | 0.0 | 9.5 | | | |
| | 3.1.5.11 Reflex integrity (e.g., assessmen | Frequency | 24 | 16 | 8 | 0 | 0 | | 66.7 | 33.3 | 0.0 | 0.0 | | | |
| | | Importance | 24 | 22 | 2 | 0 | 0 | | 91.7 | 8.3 | 0.0 | 0.0 | | | |
| | | Level of Mastery | 24 | 15 | 4 | 3 | 2 | | 62.5 | 16.7 | 12.5 | 8.3 | | | |
| | 3.1.5.12 Motor control and coordination | Frequency | 24 | 24 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | | | |
| | | Importance | 24 | 21 | 3 | 0 | 0 | | 87.5 | 12.5 | 0.0 | 0.0 | | | |
| | | Level of Mastery | 24 | 14 | 6 | 3 | 1 | | 58.3 | 25.0 | 12.5 | 4.2 | | | |
| | 3.1.5.13 Biopsychosocial functioning (e.g | Frequency | 24 | 16 | 7 | 0 | 1 | | 66.7 | 29.2 | 0.0 | 4.2 | | | |
| | | Importance | 24 | 17 | 7 | 0 | 0 | | 70.8 | 29.2 | 0.0 | 0.0 | | | |
| | | Level of Mastery | 24 | 11 | 9 | 4 | 0 | | 45.8 | 37.5 | 16.7 | 0.0 | | | |
| | 3.1.5.14 Joint integrity (i.e., mobility asse | Frequency | 24 | 23 | 1 | 0 | 0 | | 95.8 | 4.2 | 0.0 | 0.0 | | | |
| | | Importance | 24 | 24 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | | | |
| | | Level of Mastery | 24 | 16 | 5 | 2 | 1 | | 66.7 | 20.8 | 8.3 | 4.2 | | | |
| | 3.1.5.15 Community, home, and work ba | Frequency | 24 | 15 | 7 | 0 | 2 | | 62.5 | 29.2 | 0.0 | 8.3 | | | |
| | | Importance | 24 | 14 | 8 | 2 | 0 | | 58.3 | 33.3 | 8.3 | 0.0 | | | |
| | | Level of Mastery | 24 | 8 | 10 | 6 | 0 | | 33.3 | 41.7 | 25.0 | 0.0 | | | |
| | 3.1.5.16 Integumentary integrity. | Frequency | 24 | 10 | 8 | 4 | 1 | 1 | 41.7 | 33.3 | 16.7 | 4.2 | 4.2 | | |
| | | Importance | 24 | 9 | 13 | 2 | 0 | | 37.5 | 54.2 | 8.3 | 0.0 | | | |
| | | Level of Mastery | 24 | 8 | 10 | 4 | 2 | | 33.3 | 41.7 | 16.7 | 8.3 | | | |
| | 3.1.5.17 Muscle performance (e.g., stren | Frequency | 24 | 24 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | | | |
| | | Importance | 24 | 19 | 5 | 0 | 0 | | 79.2 | 20.8 | 0.0 | 0.0 | | | |
| | | Level of Mastery | 24 | 14 | 5 | 3 | 2 | | 58.3 | 20.8 | 12.5 | 8.3 | | | |
| | 3.1.5.18 Neuromotor development and s | Frequency | 24 | 18 | 4 | 1 | 1 | | 75.0 | 16.7 | 4.2 | 4.2 | | | |
| | | Importance | 24 | 14 | 9 | 1 | 0 | | 58.3 | 37.5 | 4.2 | 0.0 | | | |
| | | Level of Mastery | 23 | 10 | 9 | 3 | 1 | | 43.5 | 39.1 | 13.0 | 4.3 | | | |
| | 3.1.5.19 Posture (e.g., assessment of boc | Frequency | 24 | 24 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | | | |
| | | Importance | 24 | 20 | 4 | 0 | 0 | | 83.3 | 16.7 | 0.0 | 0.0 | | | |
| | | Level of Mastery | 24 | 15 | 4 | 4 | 1 | | 62.5 | 16.7 | 16.7 | 4.2 | | | |
| | 3.1.5.20 Tissue-specific diagnostic tests ( | Frequency | 24 | 21 | 3 | 0 | 0 | | 87.5 | 12.5 | 0.0 | 0.0 | | | |
| | | Importance | 24 | 13 | 10 | 1 | 0 | | 54.2 | 41.7 | 4.2 | 0.0 | | | |
| | | Level of Mastery | 24 | 13 | 8 | 2 | 1 | | 54.2 | 33.3 | 8.3 | 4.2 | | | |
| | 3.1.5.21 Flexibility (e.g., length, stiffness) | Frequency | 24 | 22 | 2 | 0 | 0 | | 91.7 | 8.3 | 0.0 | 0.0 | | | |
| | | Importance | 24 | 18 | 5 | 1 | 0 | | 75.0 | 20.8 | 4.2 | 0.0 | | | |
| | | Level of Mastery | 24 | 15 | 5 | 2 | 2 | | 62.5 | 20.8 | 8.3 | 8.3 | | | |
| | 3.1.5.22 Soft tissue quality (e.g., mobility | Frequency | 24 | 24 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | | | |
| | | Importance | 24 | 18 | 6 | 0 | 0 | | 75.0 | 25.0 | 0.0 | 0.0 | | | |
| | | Level of Mastery | 24 | 15 | 6 | 2 | 1 | | 62.5 | 25.0 | 8.3 | 4.2 | | | |
| | 3.1.5.23 Task-specific activities (e.g., lifti | Frequency | 24 | 23 | 1 | 0 | 0 | | 95.8 | 4.2 | 0.0 | 0.0 | | | |
| | | Importance | 24 | 18 | 6 | 0 | 0 | | 75.0 | 25.0 | 0.0 | 0.0 | | | |
| | | Level of Mastery | 24 | 14 | 6 | 4 | 0 | | 58.3 | 25.0 | 16.7 | 0.0 | | | |
| 3.2 Evaluation | 3.2.1 Synthesizing data from history, syst | Frequency | 23 | 21 | 2 | 0 | 0 | | 91.3 | 8.7 | 0.0 | 0.0 | | | |
| | | Importance | 22 | 17 | 5 | 0 | 0 | | 77.3 | 22.7 | 0.0 | 0.0 | | | |
| | | Level of Mastery | 22 | 13 | 6 | 2 | 1 | | 59.1 | 27.3 | 9.1 | 4.5 | | | |
| | 3.2.2 Developing a working diagnosis, inc | Frequency | 23 | 23 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | | | |
| | | Importance | 23 | 22 | 1 | 0 | 0 | | 95.7 | 4.3 | 0.0 | 0.0 | | | |
| | | Level of Mastery | 23 | 17 | 3 | 2 | 1 | | 73.9 | 13.0 | 8.7 | 4.3 | | | |
| | 3.2.3 Incorporating data from ancillary te | Frequency | 23 | 17 | 6 | 0 | 0 | | 73.9 | 26.1 | 0.0 | 0.0 | | | |
| | | Importance | 23 | 12 | 10 | 1 | 0 | | 52.2 | 43.5 | 4.3 | 0.0 | | | |
| | | Level of Mastery | 20 | 10 | 10 | 0 | 0 | | 50.0 | 50.0 | 0.0 | 0.0 | | | |
| | 3.2.4 Referring patient/client to other he | Frequency | 23 | 9 | 10 | 4 | 0 | | 39.1 | 43.5 | 17.4 | 0.0 | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Importance | 23 | 20 | 3 | 0 | 0 | 87.0 | 13.0 | 0.0 | 0.0 |
| | | Level of Mastery | 23 | 11 | 8 | 3 | 1 | 47.8 | 34.8 | 13.0 | 4.3 |
| | 3.2.5 Considering implications of exam fi | Frequency | 23 | 18 | 5 | 0 | 0 | 78.3 | 21.7 | 0.0 | 0.0 |
| | | Importance | 23 | 14 | 9 | 0 | 0 | 60.9 | 39.1 | 0.0 | 0.0 |
| | | Level of Mastery | 23 | 14 | 5 | 4 | 0 | 60.9 | 21.7 | 17.4 | 0.0 |
| | 3.2.6 Interpreting data from history and | Frequency | 23 | 22 | 1 | 0 | 0 | 95.7 | 4.3 | 0.0 | 0.0 |
| | | Importance | 23 | 19 | 4 | 0 | 0 | 82.6 | 17.4 | 0.0 | 0.0 |
| | | Level of Mastery | 23 | 17 | 3 | 3 | 0 | 73.9 | 13.0 | 13.0 | 0.0 |
| 3.3. Diagnosis | 3.3.1 Organizing examination findings int | Frequency | 21 | 21 | 0 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 |
| | | Importance | 21 | 18 | 3 | 0 | 0 | 85.7 | 14.3 | 0.0 | 0.0 |
| | | Level of Mastery | 21 | 16 | 4 | 1 | 0 | 76.2 | 19.0 | 4.8 | 0.0 |
| 3.4 Prognosis | 3.4.1 The Orthopaedic Spine Physical The | Frequency | 22 | 22 | 0 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 |
| | | Importance | 22 | 19 | 3 | 0 | 0 | 86.4 | 13.6 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 13 | 7 | 2 | 0 | 59.1 | 31.8 | 9.1 | 0.0 |
| 3.5 Intervention | 3.5.1 Ergonomics (influences of environn | Frequency | 21 | 20 | 1 | 0 | 0 | 95.2 | 4.8 | 0.0 | 0.0 |
| | | Importance | 21 | 15 | 6 | 0 | 0 | 71.4 | 28.6 | 0.0 | 0.0 |
| | | Level of Mastery | 21 | 10 | 8 | 3 | 0 | 47.6 | 38.1 | 14.3 | 0.0 |
| | 3.5.2 Education/training of functional ac | Frequency | 21 | 19 | 2 | 0 | 0 | 90.5 | 9.5 | 0.0 | 0.0 |
| | | Importance | 21 | 17 | 4 | 0 | 0 | 81.0 | 19.0 | 0.0 | 0.0 |
| | | Level of Mastery | 17 | 13 | 4 | 0 | 0 | 76.5 | 23.5 | 0.0 | 0.0 |
| | 3.5.3 Education/training of activities of d | Frequency | 21 | 19 | 2 | 0 | 0 | 90.5 | 9.5 | 0.0 | 0.0 |
| | | Importance | 21 | 17 | 4 | 0 | 0 | 81.0 | 19.0 | 0.0 | 0.0 |
| | | Level of Mastery | 17 | 11 | 6 | 0 | 0 | 64.7 | 35.3 | 0.0 | 0.0 |
| | 3.5.4.1 Concerning diagnosis, prognosis, | Frequency | 22 | 22 | 0 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 |
| | | Importance | 22 | 18 | 4 | 0 | 0 | 81.8 | 18.2 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 13 | 6 | 3 | 0 | 59.1 | 27.3 | 13.6 | 0.0 |
| | 3.5.4.2 Using the biopsychosocial/biome | Frequency | 22 | 18 | 4 | 0 | 0 | 81.8 | 18.2 | 0.0 | 0.0 |
| | | Importance | 22 | 16 | 6 | 0 | 0 | 72.7 | 27.3 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 12 | 5 | 5 | 0 | 54.5 | 22.7 | 22.7 | 0.0 |
| | 3.5.4.3 Addressing pain physiology and d | Frequency | 22 | 22 | 0 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 |
| | | Importance | 22 | 18 | 4 | 0 | 0 | 81.8 | 18.2 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 14 | 5 | 3 | 0 | 63.6 | 22.7 | 13.6 | 0.0 |
| | 3.5.4.4 Addressing prevention and wellne | Frequency | 22 | 15 | 7 | 0 | 0 | 68.2 | 31.8 | 0.0 | 0.0 |
| | | Importance | 22 | 17 | 5 | 0 | 0 | 77.3 | 22.7 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 12 | 7 | 3 | 0 | 54.5 | 31.8 | 13.6 | 0.0 |
| | 3.5.5 Injury prevention and wellness pro | Frequency | 22 | 19 | 3 | 0 | 0 | 86.4 | 13.6 | 0.0 | 0.0 |
| | | Importance | 22 | 18 | 4 | 0 | 0 | 81.8 | 18.2 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 11 | 7 | 3 | 1 | 50.0 | 31.8 | 13.6 | 4.5 |
| | 3.5.6 Sleep hygiene education (e.g., sleep | Frequency | 22 | 11 | 9 | 2 | 0 | 50.0 | 40.9 | 9.1 | 0.0 |
| | | Importance | 22 | 12 | 10 | 0 | 0 | 54.5 | 45.5 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 6 | 10 | 6 | 0 | 27.3 | 45.5 | 27.3 | 0.0 |
| | 3.5.7 Nutritional education. | Frequency | 22 | 5 | 11 | 4 | 2 | 22.7 | 50.0 | 18.2 | 9.1 |
| | | Importance | 22 | 8 | 13 | 1 | 0 | 36.4 | 59.1 | 4.5 | 0.0 |
| | | Level of Mastery | 22 | 4 | 11 | 6 | 1 | 18.2 | 50.0 | 27.3 | 4.5 |
| | 3.5.8 Pain neuroscience education. | Frequency | 22 | 13 | 8 | 1 | 0 | 59.1 | 36.4 | 4.5 | 0.0 |
| | | Importance | 22 | 21 | 1 | 0 | 0 | 95.5 | 4.5 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 11 | 9 | 1 | 1 | 50.0 | 40.9 | 4.5 | 4.5 |
| | 3.5.9 Graded exposure. | Frequency | 22 | 14 | 6 | 2 | 0 | 63.6 | 27.3 | 9.1 | 0.0 |
| | | Importance | 22 | 18 | 4 | 0 | 0 | 81.8 | 18.2 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 12 | 8 | 1 | 1 | 54.5 | 36.4 | 4.5 | 4.5 |
| | 3.5.10 Graded motor imagery. | Frequency | 22 | 6 | 8 | 5 | 3 | 27.3 | 36.4 | 22.7 | 13.6 |
| | | Importance | 22 | 11 | 10 | 1 | 0 | 50.0 | 45.5 | 4.5 | 0.0 |
| | | Level of Mastery | 22 | 9 | 9 | 2 | 2 | 40.9 | 40.9 | 9.1 | 9.1 |
| | 3.5.4.11 Graded activity/exercise. | Frequency | 22 | 18 | 2 | 2 | 0 | 81.8 | 9.1 | 9.1 | 0.0 |
| | | Importance | 22 | 17 | 5 | 0 | 0 | 77.3 | 22.7 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 12 | 7 | 2 | 1 | 54.5 | 31.8 | 9.1 | 4.5 |
| | 3.5.4.12 Protective, adaptive or supporti | Frequency | 22 | 6 | 11 | 4 | 1 | 27.3 | 50.0 | 18.2 | 4.5 |
| | | Importance | 22 | 7 | 14 | 1 | 0 | 31.8 | 63.6 | 4.5 | 0.0 |
| | | Level of Mastery | 19 | 6 | 11 | 0 | 2 | 31.6 | 57.9 | 0.0 | 10.5 |
| | 3.5.4.13 Neural mobilization (e.g., nerve | Frequency | 22 | 16 | 5 | 0 | 1 | 72.7 | 22.7 | 0.0 | 4.5 |
| | | Importance | 22 | 19 | 2 | 1 | 0 | 86.4 | 9.1 | 4.5 | 0.0 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Level of Mastery | 22 | 10 | 8 | 3 | 1 | | 45.5 | 36.4 | 13.6 | 4.5 | | |
| | 3.5.14 Non-thrust mobilization/manipula | Frequency | 22 | 21 | 1 | 0 | 0 | | 95.5 | 4.5 | 0.0 | 0.0 | | |
| | | Importance | 22 | 18 | 4 | 0 | 0 | | 81.8 | 18.2 | 0.0 | 0.0 | | |
| | | Level of Mastery | 22 | 14 | 7 | 0 | 1 | | 63.6 | 31.8 | 0.0 | 4.5 | | |
| | 3.5.15 Thrust mobilization/manipulation | Frequency | 22 | 10 | 9 | 2 | 1 | | 45.5 | 40.9 | 9.1 | 4.5 | | |
| | | Importance | 22 | 17 | 4 | 1 | 0 | | 77.3 | 18.2 | 4.5 | 0.0 | | |
| | | Level of Mastery | 22 | 16 | 5 | 1 | 0 | | 72.7 | 22.7 | 4.5 | 0.0 | | |
| | 3.5.16 Soft tissue mobilization (e.g., conr | Frequency | 22 | 14 | 7 | 0 | 1 | | 63.6 | 31.8 | 0.0 | 4.5 | | |
| | | Importance | 22 | 17 | 5 | 0 | 0 | | 77.3 | 22.7 | 0.0 | 0.0 | | |
| | | Level of Mastery | 22 | 13 | 6 | 2 | 1 | | 59.1 | 27.3 | 9.1 | 4.5 | | |
| | 3.5.17 Mobilization with movement. | Frequency | 22 | 12 | 8 | 2 | 0 | | 54.5 | 36.4 | 9.1 | 0.0 | | |
| | | Importance | 22 | 13 | 9 | 0 | 0 | | 59.1 | 40.9 | 0.0 | 0.0 | | |
| | | Level of Mastery | 22 | 10 | 9 | 2 | 1 | | 45.5 | 40.9 | 9.1 | 4.5 | | |
| | 3.5.18 Muscle energy techniques. | Frequency | 22 | 10 | 7 | 4 | 1 | | 45.5 | 31.8 | 18.2 | 4.5 | | |
| | | Importance | 22 | 11 | 9 | 2 | 0 | | 50.0 | 40.9 | 9.1 | 0.0 | | |
| | | Level of Mastery | 22 | 9 | 9 | 3 | 1 | | 40.9 | 40.9 | 13.6 | 4.5 | | |
| | 3.5.19 Traction/distraction. | Frequency | 22 | 7 | 9 | 4 | 2 | | 31.8 | 40.9 | 18.2 | 9.1 | | |
| | | Importance | 22 | 8 | 13 | 1 | 0 | | 36.4 | 59.1 | 4.5 | 0.0 | | |
| | | Level of Mastery | 22 | 9 | 8 | 4 | 1 | | 40.9 | 36.4 | 18.2 | 4.5 | | |
| | 3.5.4.20 Directional preference exercises | Frequency | 22 | 14 | 7 | 1 | 0 | | 63.6 | 31.8 | 4.5 | 0.0 | | |
| | | Importance | 22 | 14 | 7 | 1 | 0 | | 63.6 | 31.8 | 4.5 | 0.0 | | |
| | | Level of Mastery | 22 | 11 | 8 | 2 | 1 | | 50.0 | 36.4 | 9.1 | 4.5 | | |
| | 3.5.4.21 Electro-therapeutic modalities ( | Frequency | 22 | 4 | 3 | 6 | 6 | 3 | 18.2 | 13.6 | 27.3 | 27.3 | 13.6 | |
| | | Importance | 22 | 5 | 6 | 9 | 2 | | 22.7 | 27.3 | 40.9 | 9.1 | | |
| | | Level of Mastery | 15 | 7 | 5 | 0 | 3 | | 46.7 | 33.3 | 0.0 | 20.0 | | |
| | 3.5.4.22 Thermo-therapeutic modalities | Frequency | 22 | 4 | 5 | 5 | 6 | 2 | 18.2 | 22.7 | 22.7 | 27.3 | 9.1 | |
| | | Importance | 22 | 3 | 7 | 9 | 3 | | 13.6 | 31.8 | 40.9 | 13.6 | | |
| | | Level of Mastery | 22 | 4 | 6 | 9 | 3 | | 18.2 | 27.3 | 40.9 | 13.6 | | |
| | 3.5.23 Photo-therapeutic modalities (e.g | Frequency | 22 | 0 | 2 | 4 | 4 | 12 | 0.0 | 9.1 | 18.2 | 18.2 | 54.5 | |
| | | Importance | 22 | 0 | 3 | 8 | 11 | | 0.0 | 13.6 | 36.4 | 50.0 | | |
| | | Level of Mastery | 21 | 2 | 3 | 4 | 12 | | 9.5 | 14.3 | 19.0 | 57.1 | | |
| | 3.5.24 Dry needling. | Frequency | 21 | 0 | 3 | 3 | 1 | 14 | 0.0 | 14.3 | 14.3 | 4.8 | 66.7 | |
| | | Importance | 21 | 2 | 8 | 4 | 7 | | 9.5 | 38.1 | 19.0 | 33.3 | | |
| | | Level of Mastery | 20 | 6 | 2 | 3 | 9 | | 30.0 | 10.0 | 15.0 | 45.0 | | |
| | 3.5.25 Aerobic capacity and endurance e | Frequency | 22 | 13 | 4 | 4 | 1 | | 59.1 | 18.2 | 18.2 | 4.5 | | |
| | | Importance | 22 | 14 | 8 | 0 | 0 | | 63.6 | 36.4 | 0.0 | 0.0 | | |
| | | Level of Mastery | 22 | 6 | 11 | 3 | 2 | | 27.3 | 50.0 | 13.6 | 9.1 | | |
| | 3.5.26 Motor coordination. | Frequency | 22 | 20 | 2 | 0 | 0 | | 90.9 | 9.1 | 0.0 | 0.0 | | |
| | | Importance | 22 | 19 | 3 | 0 | 0 | | 86.4 | 13.6 | 0.0 | 0.0 | | |
| | | Level of Mastery | 21 | 11 | 7 | 2 | 1 | | 52.4 | 33.3 | 9.5 | 4.8 | | |
| | 3.5.27 Muscle performance exercises (e. | Frequency | 22 | 20 | 1 | 1 | 0 | | 90.9 | 4.5 | 4.5 | 0.0 | | |
| | | Importance | 22 | 17 | 5 | 0 | 0 | | 77.3 | 22.7 | 0.0 | 0.0 | | |
| | | Level of Mastery | 22 | 11 | 8 | 1 | 2 | | 50.0 | 36.4 | 4.5 | 9.1 | | |
| | 3.5.28.1 Meditation. | Frequency | 22 | 3 | 4 | 7 | 3 | 5 | 13.6 | 18.2 | 31.8 | 13.6 | 22.7 | |
| | | Importance | 22 | 6 | 13 | 3 | 0 | | 27.3 | 59.1 | 13.6 | 0.0 | | |
| | | Level of Mastery | 21 | 0 | 12 | 6 | 3 | | 0.0 | 57.1 | 28.6 | 14.3 | | |
| | 3.5.28.2 Mindfulness. | Frequency | 22 | 5 | 7 | 4 | 3 | 3 | 22.7 | 31.8 | 18.2 | 13.6 | 13.6 | |
| | | Importance | 22 | 7 | 13 | 2 | 0 | | 31.8 | 59.1 | 9.1 | 0.0 | | |
| | | Level of Mastery | 21 | 0 | 12 | 7 | 2 | | 0.0 | 57.1 | 33.3 | 9.5 | | |
| | 3.5.28.3 Hypnosis. | Frequency | 22 | 1 | 0 | 0 | 1 | 20 | 4.5 | 0.0 | 0.0 | 4.5 | 90.9 | |
| | | Importance | 21 | 0 | 1 | 3 | 17 | | 0.0 | 4.8 | 14.3 | 81.0 | | |
| | | Level of Mastery | 18 | 2 | 2 | 1 | 13 | | 11.1 | 11.1 | 5.6 | 72.2 | | |
| 3.6 Re-assessment / re-evaluation | 3.6.1 Assessing intervention response. | Frequency | 22 | 22 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | | |
| | | Importance | 22 | 20 | 2 | 0 | 0 | | 90.9 | 9.1 | 0.0 | 0.0 | | |
| | | Level of Mastery | 22 | 16 | 4 | 0 | 2 | | 72.7 | 18.2 | 0.0 | 9.1 | | |
| | 3.6.2 Analyzing significance of changes. | Frequency | 22 | 20 | 2 | 0 | 0 | | 90.9 | 9.1 | 0.0 | 0.0 | | |
| | | Importance | 22 | 20 | 2 | 0 | 0 | | 90.9 | 9.1 | 0.0 | 0.0 | | |
| | | Level of Mastery | 21 | 12 | 7 | 1 | 1 | | 57.1 | 33.3 | 4.8 | 4.8 | | |
| | 3.6.3 Assessing change. | Frequency | 22 | 21 | 1 | 0 | 0 | | 95.5 | 4.5 | 0.0 | 0.0 | | |
| | | Importance | 22 | 20 | 2 | 0 | 0 | | 90.9 | 9.1 | 0.0 | 0.0 | | |
| | | Level of Mastery | 22 | 13 | 7 | 0 | 2 | | 59.1 | 31.8 | 0.0 | 9.1 | | |

| | | | | Frequency | | | | | Percentage | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | # Responses | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never |
| | 3.6.4 Re-examining/implementing a mod | Frequency | 22 | 17 | 4 | 1 | 0 | | 77.3 | 18.2 | 4.5 | 0.0 | |
| | | Importance | 22 | 18 | 3 | 1 | 0 | | 81.8 | 13.6 | 4.5 | 0.0 | |
| | | Level of Mastery | 22 | 13 | 7 | 0 | 2 | | 59.1 | 31.8 | 0.0 | 9.1 | |
| | 3.6.5 Confirming/modifying goals. | Frequency | 22 | 14 | 7 | 1 | 0 | | 63.6 | 31.8 | 4.5 | 0.0 | |
| | | Importance | 22 | 18 | 4 | 0 | 0 | | 81.8 | 18.2 | 0.0 | 0.0 | |
| | | Level of Mastery | 22 | 12 | 7 | 1 | 2 | | 54.5 | 31.8 | 4.5 | 9.1 | |
| | 3.6.6 Making referrals to other providers | Frequency | 22 | 6 | 7 | 9 | 0 | | 27.3 | 31.8 | 40.9 | 0.0 | |
| | | Importance | 22 | 14 | 8 | 0 | 0 | | 63.6 | 36.4 | 0.0 | 0.0 | |
| | | Level of Mastery | 21 | 9 | 8 | 4 | 0 | | 42.9 | 38.1 | 19.0 | 0.0 | |
| 3.7 Outcomes Assessment | 3.7.1 Assessing remediation of activity ar | Frequency | 22 | 17 | 4 | 1 | 0 | | 77.3 | 18.2 | 4.5 | 0.0 | |
| | | Importance | 22 | 17 | 4 | 1 | 0 | | 77.3 | 18.2 | 4.5 | 0.0 | |
| | | Level of Mastery | 22 | 10 | 7 | 4 | 1 | | 45.5 | 31.8 | 18.2 | 4.5 | |
| | 3.7.2 Assessing patient satisfaction. | Frequency | 22 | 15 | 7 | 0 | 0 | | 68.2 | 31.8 | 0.0 | 0.0 | |
| | | Importance | 22 | 17 | 5 | 0 | 0 | | 77.3 | 22.7 | 0.0 | 0.0 | |
| | | Level of Mastery | 22 | 11 | 8 | 2 | 1 | | 50.0 | 36.4 | 9.1 | 4.5 | |
| | 3.7.3 Assessing promotion of primary an | Frequency | 22 | 12 | 5 | 5 | 0 | | 54.5 | 22.7 | 22.7 | 0.0 | |
| | | Importance | 22 | 14 | 7 | 1 | 0 | | 63.6 | 31.8 | 4.5 | 0.0 | |
| | | Level of Mastery | 22 | 12 | 6 | 3 | 1 | | 54.5 | 27.3 | 13.6 | 4.5 | |
| | 3.7.4 Assessing improvement of patientâ | Frequency | 22 | 11 | 9 | 2 | 0 | | 50.0 | 40.9 | 9.1 | 0.0 | |
| | | Importance | 22 | 15 | 6 | 1 | 0 | | 68.2 | 27.3 | 4.5 | 0.0 | |
| | | Level of Mastery | 22 | 11 | 7 | 3 | 1 | | 50.0 | 31.8 | 13.6 | 4.5 | |
| | 3.7.5 Using applicable, evidence-based o | Frequency | 22 | 11 | 7 | 4 | 0 | | 50.0 | 31.8 | 18.2 | 0.0 | |
| | | Importance | 22 | 13 | 9 | 0 | 0 | | 59.1 | 40.9 | 0.0 | 0.0 | |
| | | Level of Mastery | 22 | 10 | 7 | 3 | 2 | | 45.5 | 31.8 | 13.6 | 9.1 | |

**Part 6. Medical Conditions**

| | | | | Frequency | | | | | Percentage | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | # Responses | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never |
| 6.1 Nervous System | 6.1.1 Cervical Radiculopathy | Frequency | 23 | 12 | 10 | 1 | 0 | 0 | 52.2 | 43.5 | 4.3 | 0.0 | |
| | | Importance | 23 | 21 | 2 | 0 | 0 | | 91.3 | 8.7 | 0.0 | 0.0 | |
| | | Level of Mastery | 23 | 16 | 5 | 0 | 2 | | 69.6 | 21.7 | 0.0 | 8.7 | |
| | 6.1.2 Lumbar Radiculopathy | Frequency | 23 | 14 | 8 | 1 | 0 | 0 | 60.9 | 34.8 | 4.3 | 0.0 | |
| | | Importance | 23 | 21 | 2 | 0 | 0 | | 91.3 | 8.7 | 0.0 | 0.0 | |
| | | Level of Mastery | 23 | 15 | 4 | 1 | 3 | | 65.2 | 17.4 | 4.3 | 13.0 | |
| | 6.1.3 Thoracic Outlet Syndrome | Frequency | 23 | 3 | 5 | 5 | 9 | 1 | 13.0 | 21.7 | 21.7 | 39.1 | 4.3 |
| | | Importance | 23 | 13 | 8 | 0 | 2 | | 56.5 | 34.8 | 0.0 | 8.7 | |
| | | Level of Mastery | 23 | 12 | 8 | 2 | 1 | | 52.2 | 34.8 | 8.7 | 4.3 | |
| | 6.1.4 Other peripheral neural impingeme | Frequency | 23 | 3 | 10 | 7 | 3 | 0 | 13.0 | 43.5 | 30.4 | 13.0 | |
| | | Importance | 23 | 16 | 6 | 1 | 0 | | 69.6 | 26.1 | 4.3 | 0.0 | |
| | | Level of Mastery | 23 | 13 | 7 | 2 | 1 | | 56.5 | 30.4 | 8.7 | 4.3 | |
| | 6.1.5 Meralgia paresthetica. | Frequency | 23 | 0 | 4 | 7 | 10 | 2 | 0.0 | 17.4 | 30.4 | 43.5 | 8.7 |
| | | Importance | 23 | 10 | 9 | 4 | 0 | | 43.5 | 39.1 | 17.4 | 0.0 | |
| | | Level of Mastery | 23 | 8 | 11 | 3 | 1 | | 34.8 | 47.8 | 13.0 | 4.3 | |
| | 6.1.6 Cervical Myelopathy. | Frequency | 23 | 2 | 3 | 8 | 9 | 1 | 8.7 | 13.0 | 34.8 | 39.1 | 4.3 |
| | | Importance | 23 | 19 | 3 | 1 | 0 | | 82.6 | 13.0 | 4.3 | 0.0 | |
| | | Level of Mastery | 23 | 13 | 5 | 3 | 2 | | 56.5 | 21.7 | 13.0 | 8.7 | |
| 6.2 Musculoskeletal System | 6.2.1 Cervical Disc Pathologies (e.g., DDD | Frequency | 22 | 13 | 8 | 1 | 0 | 0 | 59.1 | 36.4 | 4.5 | 0.0 | |
| | | Importance | 20 | 18 | 2 | 0 | 0 | | 90.0 | 10.0 | 0.0 | 0.0 | |
| | | Level of Mastery | 20 | 15 | 4 | 0 | 1 | | 75.0 | 20.0 | 0.0 | 5.0 | |
| | 6.2.2 Cervical Instability | Frequency | 22 | 3 | 4 | 5 | 10 | 0 | 13.6 | 18.2 | 22.7 | 45.5 | |
| | | Importance | 21 | 17 | 4 | 0 | 0 | | 81.0 | 19.0 | 0.0 | 0.0 | |
| | | Level of Mastery | 21 | 14 | 5 | 1 | 1 | | 66.7 | 23.8 | 4.8 | 4.8 | |
| | 6.2.3 Cervical Sprain Strain | Frequency | 22 | 8 | 9 | 4 | 1 | 0 | 36.4 | 40.9 | 18.2 | 4.5 | |
| | | Importance | 21 | 16 | 5 | 0 | 0 | | 76.2 | 23.8 | 0.0 | 0.0 | |
| | | Level of Mastery | 21 | 12 | 6 | 2 | 1 | | 57.1 | 28.6 | 9.5 | 4.8 | |
| | 6.2.4 Cervicogenic Headache | Frequency | 22 | 6 | 9 | 6 | 1 | 0 | 27.3 | 40.9 | 27.3 | 4.5 | |
| | | Importance | 21 | 17 | 4 | 0 | 0 | | 81.0 | 19.0 | 0.0 | 0.0 | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Level of Mastery | 21 | 14 | 6 | 0 | 1 | | 66.7 | 28.6 | 0.0 | 4.8 | |
| 6.2.5 Chronic Pain Syndromes | Frequency | 22 | 12 | 7 | 3 | 0 | 0 | 54.5 | 31.8 | 13.6 | 0.0 | |
| | Importance | 21 | 19 | 2 | 0 | 0 | | 90.5 | 9.5 | 0.0 | 0.0 | |
| | Level of Mastery | 21 | 10 | 9 | 1 | 1 | | 47.6 | 42.9 | 4.8 | 4.8 | |
| 6.2.6 Other Disorders of Cervical Spine | Frequency | 22 | 10 | 9 | 1 | 2 | 0 | 45.5 | 40.9 | 4.5 | 9.1 | |
| | Importance | 21 | 15 | 6 | 0 | 0 | | 71.4 | 28.6 | 0.0 | 0.0 | |
| | Level of Mastery | 21 | 10 | 8 | 2 | 1 | | 47.6 | 38.1 | 9.5 | 4.8 | |
| 6.2.7 Temporomandibular Dysfunction | Frequency | 22 | 1 | 4 | 6 | 10 | 1 | 4.5 | 18.2 | 27.3 | 45.5 | 4.5 |
| | Importance | 21 | 13 | 6 | 1 | 1 | | 61.9 | 28.6 | 4.8 | 4.8 | |
| | Level of Mastery | 21 | 8 | 8 | 4 | 1 | | 38.1 | 38.1 | 19.0 | 4.8 | |
| 6.2.8 Disorders of the Hip | Frequency | 22 | 9 | 11 | 1 | 1 | 0 | 40.9 | 50.0 | 4.5 | 4.5 | |
| | Importance | 21 | 14 | 7 | 0 | 0 | | 66.7 | 33.3 | 0.0 | 0.0 | |
| | Level of Mastery | 21 | 11 | 7 | 2 | 1 | | 52.4 | 33.3 | 9.5 | 4.8 | |
| 6.2.9 Lumbar Disc Pathologies (e.g., DDD | Frequency | 23 | 16 | 6 | 1 | 0 | 0 | 69.6 | 26.1 | 4.3 | 0.0 | |
| | Importance | 22 | 19 | 3 | 0 | 0 | | 86.4 | 13.6 | 0.0 | 0.0 | |
| | Level of Mastery | 22 | 13 | 7 | 0 | 2 | | 59.1 | 31.8 | 0.0 | 9.1 | |
| 6.2.10 Lumbar Instability | Frequency | 23 | 8 | 10 | 2 | 3 | 0 | 34.8 | 43.5 | 8.7 | 13.0 | |
| | Importance | 23 | 20 | 3 | 0 | 0 | | 87.0 | 13.0 | 0.0 | 0.0 | |
| | Level of Mastery | 23 | 15 | 5 | 1 | 2 | | 65.2 | 21.7 | 4.3 | 8.7 | |
| 6.2.11 Lumbar Spondylosis Spondylolisth | Frequency | 23 | 12 | 10 | 1 | 0 | 0 | 52.2 | 43.5 | 4.3 | 0.0 | |
| | Importance | 23 | 21 | 2 | 0 | 0 | | 91.3 | 8.7 | 0.0 | 0.0 | |
| | Level of Mastery | 23 | 13 | 6 | 2 | 2 | | 56.5 | 26.1 | 8.7 | 8.7 | |
| 6.2.12 Lumbar Strain | Frequency | 23 | 16 | 3 | 4 | 0 | 0 | 69.6 | 13.0 | 17.4 | 0.0 | |
| | Importance | 23 | 20 | 3 | 0 | 0 | | 87.0 | 13.0 | 0.0 | 0.0 | |
| | Level of Mastery | 23 | 14 | 4 | 2 | 3 | | 60.9 | 17.4 | 8.7 | 13.0 | |
| 6.2.13 Other Disorders of the Lumbar Sp | Frequency | 23 | 9 | 9 | 3 | 2 | 0 | 39.1 | 39.1 | 13.0 | 8.7 | |
| | Importance | 23 | 16 | 7 | 0 | 0 | | 69.6 | 30.4 | 0.0 | 0.0 | |
| | Level of Mastery | 22 | 13 | 4 | 4 | 1 | | 59.1 | 18.2 | 18.2 | 4.5 | |
| 6.2.14 Piriformis Syndrome | Frequency | 23 | 6 | 5 | 9 | 3 | 0 | 26.1 | 21.7 | 39.1 | 13.0 | |
| | Importance | 23 | 12 | 11 | 0 | 0 | | 52.2 | 47.8 | 0.0 | 0.0 | |
| | Level of Mastery | 23 | 11 | 8 | 1 | 3 | | 47.8 | 34.8 | 4.3 | 13.0 | |
| 6.2.15 Sacroiliac Dysfunction | Frequency | 23 | 6 | 7 | 5 | 5 | 0 | 26.1 | 30.4 | 21.7 | 21.7 | |
| | Importance | 23 | 15 | 5 | 3 | 0 | | 65.2 | 21.7 | 13.0 | 0.0 | |
| | Level of Mastery | 23 | 13 | 6 | 2 | 2 | | 56.5 | 26.1 | 8.7 | 8.7 | |
| 6.2.16 Other Disorders of the Pelvic Gird | Frequency | 23 | 4 | 7 | 7 | 4 | 1 | 17.4 | 30.4 | 30.4 | 17.4 | 4.3 |
| | Importance | 23 | 13 | 9 | 1 | 0 | | 56.5 | 39.1 | 4.3 | 0.0 | |
| | Level of Mastery | 23 | 13 | 6 | 4 | 0 | | 56.5 | 26.1 | 17.4 | 0.0 | |
| 6.2.17 Rotator Cuff Pathology | Frequency | 22 | 10 | 7 | 4 | 1 | 0 | 45.5 | 31.8 | 18.2 | 4.5 | |
| | Importance | 22 | 14 | 8 | 0 | 0 | | 63.6 | 36.4 | 0.0 | 0.0 | |
| | Level of Mastery | 22 | 10 | 8 | 3 | 1 | | 45.5 | 36.4 | 13.6 | 4.5 | |
| 6.2.18 Disorders of the Shoulder Comple | Frequency | 22 | 13 | 5 | 4 | 0 | 0 | 59.1 | 22.7 | 18.2 | 0.0 | |
| | Importance | 22 | 16 | 6 | 0 | 0 | | 72.7 | 27.3 | 0.0 | 0.0 | |
| | Level of Mastery | 22 | 11 | 9 | 1 | 1 | | 50.0 | 40.9 | 4.5 | 4.5 | |
| 6.2.19 Rib Dysfunction | Frequency | 22 | 2 | 2 | 11 | 6 | 1 | 9.1 | 9.1 | 50.0 | 27.3 | 4.5 |
| | Importance | 22 | 13 | 4 | 5 | 0 | | 59.1 | 18.2 | 22.7 | 0.0 | |
| | Level of Mastery | 22 | 10 | 9 | 2 | 1 | | 45.5 | 40.9 | 9.1 | 4.5 | |
| 6.2.20 Thoracic Sprain Strain | Frequency | 22 | 4 | 8 | 6 | 4 | 0 | 18.2 | 36.4 | 27.3 | 18.2 | |
| | Importance | 22 | 14 | 7 | 1 | 0 | | 63.6 | 31.8 | 4.5 | 0.0 | |
| | Level of Mastery | 22 | 13 | 6 | 2 | 1 | | 59.1 | 27.3 | 9.1 | 4.5 | |
| 6.2.21 Other Disorders of the Thoracic S | Frequency | 22 | 4 | 5 | 9 | 4 | 0 | 18.2 | 22.7 | 40.9 | 18.2 | |
| | Importance | 22 | 15 | 5 | 2 | 0 | | 68.2 | 22.7 | 9.1 | 0.0 | |
| | Level of Mastery | 22 | 13 | 6 | 3 | 0 | | 59.1 | 27.3 | 13.6 | 0.0 | |
| 6.2.22 Curvature of the spine (e.g., scolic | Frequency | 22 | 6 | 6 | 8 | 2 | 0 | 27.3 | 27.3 | 36.4 | 9.1 | |
| | Importance | 22 | 15 | 6 | 1 | 0 | | 68.2 | 27.3 | 4.5 | 0.0 | |
| | Level of Mastery | 22 | 11 | 8 | 2 | 1 | | 50.0 | 36.4 | 9.1 | 4.5 | |
| 6.2.23 Diastasis recti. | Frequency | 22 | 4 | 2 | 5 | 9 | 2 | 18.2 | 9.1 | 22.7 | 40.9 | 9.1 |
| | Importance | 22 | 13 | 5 | 3 | 1 | | 59.1 | 22.7 | 13.6 | 4.5 | |
| | Level of Mastery | 22 | 9 | 6 | 6 | 1 | | 40.9 | 27.3 | 27.3 | 4.5 | |
| 6.2.24 Facet dysfunction (cervical, throa | Frequency | 22 | 17 | 5 | 0 | 0 | 0 | 77.3 | 22.7 | 0.0 | 0.0 | |
| | Importance | 22 | 19 | 2 | 1 | 0 | | 86.4 | 9.1 | 4.5 | 0.0 | |
| | Level of Mastery | 22 | 14 | 7 | 0 | 1 | | 63.6 | 31.8 | 0.0 | 4.5 | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.2.25 Operative procedure on spinal str | Frequency | 22 | 4 | 6 | 9 | 3 | 0 | 18.2 | 27.3 | 40.9 | 13.6 |
| | Importance | 22 | 15 | 7 | 0 | 0 | | 68.2 | 31.8 | 0.0 | 0.0 |
| | Level of Mastery | 22 | 11 | 7 | 2 | 2 | | 50.0 | 31.8 | 9.1 | 9.1 |
| 6.2.26 Spinal stenosis. | Frequency | 22 | 11 | 8 | 3 | 0 | 0 | 50.0 | 36.4 | 13.6 | 0.0 |
| | Importance | 22 | 18 | 4 | 0 | 0 | | 81.8 | 18.2 | 0.0 | 0.0 |
| | Level of Mastery | 22 | 12 | 8 | 1 | 1 | | 54.5 | 36.4 | 4.5 | 4.5 |

## Frequency of Responses in Order of Importance and Frequency (High to Low)

**Part 1. Foundation Sciences**

| | | | | Frequency | | | | | Percentage | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | # Responses | Daily / Very Important / Analysis | Weekly / Moderately Important / Application | Monthly / Little Importance / Recall | Less than once a month / Not Important | Never | Daily / Very Important / Analysis | Weekly / Moderately Important / Application | Monthly / Little Importance / Recall | Less than once a month / Not Important | Never |
| 1.2 Clinical Sciences | 1.1.2.1 Kinesiology/biomechanics. | Frequency | 27 | 27 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Importance | 27 | 27 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Level of Judgment | 27 | 25 | 2 | 0 | | | 92.6 | 7.4 | 0.0 | | |
| 1.1 Foundation Sciences | 1.1.1.1 Musculoskeletal system. | Frequency | 27 | 27 | 0 | 0 | 0 | | 100 | 0 | 0 | 0 | |
| | | Importance | 27 | 26 | 1 | 0 | 0 | | 96.3 | 3.7 | 0.0 | 0.0 | |
| | | Level of Judgment | 26 | 23 | 3 | 0 | | | 88.5 | 11.5 | 0.0 | | |
| 1.1 Foundation Sciences | 1.1.1.2 Neuromuscular system. | Frequency | 27 | 27 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Importance | 27 | 26 | 1 | 0 | 0 | | 96.3 | 3.7 | 0.0 | 0.0 | |
| | | Level of Judgment | 27 | 25 | 2 | 0 | | | 92.6 | 7.4 | 0.0 | | |
| 1.3 Behavioral Sciences | 1.3.3.5 Motor control and motor learning. | Frequency | 26 | 26 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Importance | 26 | 25 | 1 | 0 | 0 | | 96.2 | 3.8 | 0.0 | 0.0 | |
| | | Level of Judgment | 25 | 20 | 5 | 0 | | | 80.0 | 20.0 | 0.0 | | |
| 1.3 Behavioral Sciences | 1.3.3.7 Therapeutic exercise. | Frequency | 26 | 26 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Importance | 26 | 25 | 1 | 0 | 0 | | 96.2 | 3.8 | 0.0 | 0.0 | |
| | | Level of Judgment | 26 | 21 | 5 | 0 | | | 80.8 | 19.2 | 0.0 | | |
| 1.1 Foundation Sciences | 1.1.2.2 Neural control of movement. | Frequency | 27 | 26 | 1 | 0 | 0 | | 96.3 | 3.7 | 0.0 | 0.0 | |
| | | Importance | 27 | 26 | 1 | 0 | 0 | | 96.3 | 3.7 | 0.0 | 0.0 | |
| | | Level of Judgment | 27 | 22 | 5 | 0 | | | 81.5 | 18.5 | 0.0 | | |
| 1.1 Foundation Sciences | 1.1.2.4 Locomotion. | Frequency | 27 | 26 | 1 | 0 | 0 | | 96.3 | 3.7 | 0.0 | 0.0 | |
| | | Importance | 27 | 24 | 3 | 0 | 0 | | 88.9 | 11.1 | 0.0 | 0.0 | |
| | | Level of Judgment | 27 | 21 | 6 | 0 | | | 77.8 | 22.2 | 0.0 | | |
| 1.3 Behavioral Sciences | 1.3.3.4 Movement systems impairments. | Frequency | 26 | 25 | 1 | 0 | 0 | | 96.2 | 3.8 | 0.0 | 0.0 | |
| | | Importance | 26 | 26 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Level of Judgment | 25 | 20 | 5 | 0 | | | 80.0 | 20.0 | 0.0 | | |
| 1.2 Clinical Sciences | 1.2.1.1 Signs and symptoms of disease/injury. | Frequency | 26 | 25 | 0 | 1 | 0 | | 96.2 | 0.0 | 3.8 | 0.0 | |
| | | Importance | 26 | 22 | 4 | 0 | 0 | | 84.6 | 15.4 | 0.0 | 0.0 | |
| | | Level of Judgment | 26 | 19 | 5 | 2 | | | 73.1 | 19.2 | 7.7 | | |
| 1.3 Behavioral Sciences | 1.3.3.3 Manual therapy techniques. | Frequency | 26 | 25 | 1 | 0 | 0 | | 96.2 | 3.8 | 0.0 | 0.0 | |
| | | Importance | 26 | 22 | 4 | 0 | 0 | | 84.6 | 15.4 | 0.0 | 0.0 | |
| | | Level of Judgment | 26 | 18 | 8 | 0 | | | 69.2 | 30.8 | 0.0 | | |
| 1.3 Behavioral Sciences | 1.3.1.2 Personal factors (e.g., compliance, body awa | Frequency | 26 | 25 | 0 | 1 | 0 | | 96.2 | 0.0 | 3.8 | 0.0 | |
| | | Importance | 26 | 20 | 6 | 0 | 0 | | 76.9 | 23.1 | 0.0 | 0.0 | |
| | | Level of Judgment | 26 | 17 | 9 | 0 | | | 65.4 | 34.6 | 0.0 | | |
| 1.2 Clinical Sciences | 1.2.1.4 Tissue inflammation, healing, and repair. | Frequency | 25 | 24 | 1 | 0 | 0 | | 96.0 | 4.0 | 0.0 | 0.0 | |
| | | Importance | 25 | 23 | 2 | 0 | 0 | | 92.0 | 8.0 | 0.0 | 0.0 | |
| | | Level of Judgment | 25 | 18 | 6 | 1 | | | 72.0 | 24.0 | 4.0 | | |
| 1.2 Clinical Sciences | 1.2.1.3 Pathokinesiology. | Frequency | 25 | 23 | 2 | 0 | 0 | | 92.0 | 8.0 | 0.0 | 0.0 | |
| | | Importance | 25 | 19 | 6 | 0 | 0 | | 76.0 | 24.0 | 0.0 | 0.0 | |
| | | Level of Judgment | 25 | 16 | 7 | 2 | | | 64.0 | 28.0 | 8.0 | | |
| 1.2 Clinical Sciences | 1.2.1.2 Progression of disease/injury processes. | Frequency | 26 | 23 | 3 | 0 | 0 | | 88.5 | 11.5 | 0.0 | 0.0 | |
| | | Importance | 26 | 20 | 6 | 0 | 0 | | 76.9 | 23.1 | 0.0 | 0.0 | |
| | | Level of Judgment | 26 | 17 | 7 | 2 | | | 65.4 | 26.9 | 7.7 | | |
| 1.3 Behavioral Sciences | 1.3.1.3 Psychological/emotional conditions (e.g., anx | Frequency | 26 | 22 | 4 | 0 | 0 | | 84.6 | 15.4 | 0.0 | 0.0 | |
| | | Importance | 26 | 23 | 3 | 0 | 0 | | 88.5 | 11.5 | 0.0 | 0.0 | |
| | | Level of Judgment | 26 | 16 | 10 | 0 | | | 61.5 | 38.5 | 0.0 | | |
| 1.3 Behavioral Sciences | 1.3.3.1 Biopsychosocial model. | Frequency | 26 | 22 | 4 | 0 | 0 | | 84.6 | 15.4 | 0.0 | 0.0 | |
| | | Importance | 25 | 20 | 5 | 0 | 0 | | 80.0 | 20.0 | 0.0 | 0.0 | |
| | | Level of Judgment | 26 | 15 | 11 | 0 | | | 57.7 | 42.3 | 0.0 | | |
| 1.3 Behavioral Sciences | 1.3.2.2 Peripheral neurogenic/neuropathic pain phys | Frequency | 26 | 21 | 4 | 1 | 0 | | 80.8 | 15.4 | 3.8 | 0.0 | |
| | | Importance | 26 | 23 | 3 | 0 | 0 | | 88.5 | 11.5 | 0.0 | 0.0 | |
| | | Level of Judgment | 26 | 18 | 8 | 0 | | | 69.2 | 30.8 | 0.0 | | |
| 1.3 Behavioral Sciences | 1.3.2.1 Peripheral nociceptive pain physiology. | Frequency | 25 | 20 | 5 | 0 | 0 | | 80.0 | 20.0 | 0.0 | 0.0 | |
| | | Importance | 25 | 21 | 4 | 0 | 0 | | 84.0 | 16.0 | 0.0 | 0.0 | |
| | | Level of Judgment | 25 | 17 | 8 | 0 | | | 68.0 | 32.0 | 0.0 | | |
| 1.2 Clinical Sciences | 1.1.2.3 Ergonomics. | Frequency | 27 | 21 | 6 | 0 | 0 | | 77.8 | 22.2 | 0.0 | 0.0 | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Importance | 26 | 20 | 5 | 1 | 0 | | 76.9 | 19.2 | 3.8 | 0.0 | |
| | | Level of Judgment | 27 | 17 | 10 | 0 | | | 63.0 | 37.0 | 0.0 | | |
| 1.3 Behavioral Sciences | 1.3.2.3 Central nervous system/nociplastic pain phys | Frequency | 26 | 20 | 5 | 1 | 0 | | 76.9 | 19.2 | 3.8 | 0.0 | |
| | | Importance | 26 | 21 | 5 | 0 | 0 | | 80.8 | 19.2 | 0.0 | 0.0 | |
| | | Level of Judgment | 26 | 21 | 5 | 0 | | | 80.8 | 19.2 | 0.0 | | |
| 1.3 Behavioral Sciences | 1.3.1.1 External environmental factors (e.g., expecte | Frequency | 26 | 20 | 4 | 2 | 0 | | 76.9 | 15.4 | 7.7 | 0.0 | |
| | | Importance | 26 | 17 | 8 | 1 | 0 | | 65.4 | 30.8 | 3.8 | 0.0 | |
| | | Level of Judgment | 26 | 13 | 13 | 0 | | | 50.0 | 50.0 | 0.0 | | |
| 1.3 Behavioral Sciences | 1.3.3.2 Exercise physiology across the lifespan. | Frequency | 26 | 19 | 5 | 2 | 0 | | 73.1 | 19.2 | 7.7 | 0.0 | |
| | | Importance | 26 | 17 | 8 | 1 | 0 | | 65.4 | 30.8 | 3.8 | 0.0 | |
| | | Level of Judgment | 26 | 11 | 13 | 2 | | | 42.3 | 50.0 | 7.7 | | |
| 1.3 Behavioral Sciences | 1.3.3.8 Models of differential diagnosis and clinical r | Frequency | 26 | 19 | 6 | 0 | 1 | | 73.1 | 23.1 | 0.0 | 3.8 | |
| | | Importance | 26 | 16 | 8 | 2 | 0 | | 61.5 | 30.8 | 7.7 | 0.0 | |
| | | Level of Judgment | 24 | 16 | 6 | 2 | | | 66.7 | 25.0 | 8.3 | | |
| 1.3 Behavioral Sciences | 1.3.3.9 Principles of teaching and learning. | Frequency | 26 | 18 | 7 | 1 | 0 | | 69.2 | 26.9 | 3.8 | 0.0 | |
| | | Importance | 26 | 19 | 7 | 0 | 0 | | 73.1 | 26.9 | 0.0 | 0.0 | |
| | | Level of Judgment | 26 | 15 | 11 | 0 | | | 57.7 | 42.3 | 0.0 | | |
| 1.3 Behavioral Sciences | 1.3.1.4 Impact of behavioral health risk factors (e.g., | Frequency | 26 | 17 | 7 | 1 | 1 | | 65.4 | 26.9 | 3.8 | 3.8 | |
| | | Importance | 26 | 16 | 9 | 1 | 0 | | 61.5 | 34.6 | 3.8 | 0.0 | |
| | | Level of Judgment | 26 | 10 | 14 | 2 | | | 38.5 | 53.8 | 7.7 | | |
| 1.3 Behavioral Sciences | 1.3.3.10 Principles of prevention and wellness. | Frequency | 26 | 16 | 9 | 1 | 0 | | 61.5 | 34.6 | 3.8 | 0.0 | |
| | | Importance | 26 | 17 | 8 | 1 | 0 | | 65.4 | 30.8 | 3.8 | 0.0 | |
| | | Level of Judgment | 26 | 10 | 16 | 0 | | | 38.5 | 61.5 | 0.0 | | |
| 1.2 Clinical Sciences | 1.2.2.1 Imaging studies. | Frequency | 26 | 15 | 10 | 0 | 1 | | 57.7 | 38.5 | 0.0 | 3.8 | |
| | | Importance | 26 | 10 | 14 | 2 | 0 | | 38.5 | 53.8 | 7.7 | 0.0 | |
| | | Level of Judgment | 26 | 9 | 10 | 7 | | | 34.6 | 38.5 | 26.9 | | |
| 1.4 Critical Inquiry for Evidence-Based Practice | 1.4.2 Application of research findings to orthopaedic | Frequency | 26 | 14 | 9 | 3 | 0 | | 53.8 | 34.6 | 11.5 | 0.0 | |
| | | Importance | 26 | 16 | 10 | 0 | 0 | | 61.5 | 38.5 | 0.0 | 0.0 | |
| | | Level of Judgment | 26 | 15 | 9 | 2 | | | 57.7 | 34.6 | 7.7 | | |
| 1.3 Behavioral Sciences | 1.3.2.4 Output mechanisms and expressions (e.g., in | Frequency | 26 | 13 | 11 | 2 | 0 | | 50.0 | 42.3 | 7.7 | 0.0 | |
| | | Importance | 26 | 11 | 15 | 0 | 0 | | 42.3 | 57.7 | 0.0 | 0.0 | |
| | | Level of Judgment | 25 | 12 | 11 | 2 | | | 48.0 | 44.0 | 8.0 | | |
| 1.2 Clinical Sciences | 1.2.2.2 Pharmacology. | Frequency | 26 | 13 | 12 | 0 | 1 | | 50.0 | 46.2 | 0.0 | 3.8 | |
| | | Importance | 26 | 7 | 17 | 2 | 0 | | 26.9 | 65.4 | 7.7 | 0.0 | |
| | | Level of Judgment | 26 | 3 | 9 | 14 | | | 11.5 | 34.6 | 53.8 | | |
| 1.2 Clinical Sciences | 1.2.2.4 Nonsurgical interventional spine procedures | Frequency | 26 | 12 | 8 | 5 | 1 | | 46.2 | 30.8 | 19.2 | 3.8 | |
| | | Importance | 26 | 12 | 12 | 2 | 0 | | 46.2 | 46.2 | 7.7 | 0.0 | |
| | | Level of Judgment | 26 | 8 | 13 | 5 | | | 30.8 | 50.0 | 19.2 | | |
| 1.1 Foundation Sciences | 1.1.1.6 Histology (e.g., connective tissue, muscle fibe | Frequency | 27 | 10 | 12 | 3 | 2 | | 37.0 | 44.4 | 11.1 | 7.4 | |
| | | Importance | 27 | 10 | 14 | 3 | 0 | | 37.0 | 51.9 | 11.1 | 0.0 | |
| | | Level of Judgment | 27 | 12 | 10 | 5 | | | 44.4 | 37.0 | 18.5 | | |
| 1.1 Foundation Sciences | 1.1.1.5 Human growth and development across the l | Frequency | 27 | 10 | 11 | 5 | 1 | | 37.0 | 40.7 | 18.5 | 3.7 | |
| | | Importance | 27 | 8 | 16 | 3 | 0 | | 29.6 | 59.3 | 11.1 | 0.0 | |
| | | Level of Judgment | 26 | 11 | 12 | 3 | | | 42.3 | 46.2 | 11.5 | | |
| 1.2 Clinical Sciences | 1.2.2.5 Spine surgical interventions and their indicati | Frequency | 26 | 9 | 11 | 4 | 2 | | 34.6 | 42.3 | 15.4 | 7.7 | |
| | | Importance | 26 | 15 | 11 | 0 | 0 | | 57.7 | 42.3 | 0.0 | 0.0 | |
| | | Level of Judgment | 26 | 10 | 11 | 5 | | | 38.5 | 42.3 | 19.2 | | |
| 1.1 Foundation Sciences | 1.1.1.3 Cardiovascular and pulmonary systems. | Frequency | 27 | 9 | 13 | 4 | 1 | | 33.3 | 48.1 | 14.8 | 3.7 | |
| | | Importance | 27 | 7 | 18 | 2 | 0 | | 25.9 | 66.7 | 7.4 | 0.0 | |
| | | Level of Judgment | 27 | 9 | 14 | 4 | | | 33.3 | 51.9 | 14.8 | | |
| 1.1 Foundation Sciences | 1.1.1.4 Integumentary system. | Frequency | 27 | 9 | 11 | 5 | 1 | 1 | 33.3 | 40.7 | 18.5 | 3.7 | 3.7 |
| | | Importance | 27 | 7 | 14 | 5 | 1 | | 25.9 | 51.9 | 18.5 | 3.7 | |
| | | Level of Judgment | 26 | 6 | 13 | 7 | | | 23.1 | 50.0 | 26.9 | | |
| 1.1 Foundation Sciences | 1.1.1.7 Other systems (e.g., endocrine, digestive, ge | Frequency | 27 | 6 | 14 | 5 | 2 | | 22.2 | 51.9 | 18.5 | 7.4 | |
| | | Importance | 27 | 6 | 15 | 6 | 0 | | 22.2 | 55.6 | 22.2 | 0.0 | |
| | | Level of Judgment | 27 | 6 | 13 | 8 | | | 22.2 | 48.1 | 29.6 | | |
| 1.4 Critical Inquiry for Evidence-Based Practice | 1.4.1 Appraisal of research findings on orthopaedic s | Frequency | 26 | 5 | 12 | 5 | 3 | 1 | 19.2 | 46.2 | 19.2 | 11.5 | 3.8 |
| | | Importance | 26 | 13 | 12 | 1 | 0 | | 50.0 | 46.2 | 3.8 | 0.0 | |
| | | Level of Judgment | 26 | 12 | 10 | 4 | | | 46.2 | 38.5 | 15.4 | | |
| 1.3 Behavioral Sciences | 1.3.3.6 Theory and application of orthotic, protective | Frequency | 26 | 5 | 11 | 8 | 2 | | 19.2 | 42.3 | 30.8 | 7.7 | |
| | | Importance | 26 | 6 | 16 | 4 | 0 | | 23.1 | 61.5 | 15.4 | 0.0 | |
| | | Level of Judgment | 26 | 9 | 14 | 3 | | | 34.6 | 53.8 | 11.5 | | |
| 1.2 Clinical Sciences | 1.2.2.3 Ancillary tests (e.g., lab studies, EKG, electro | Frequency | 26 | 4 | 12 | 9 | 1 | | 15.4 | 46.2 | 34.6 | 3.8 | |
| | | Importance | 26 | 5 | 17 | 4 | 0 | | 19.2 | 65.4 | 15.4 | 0.0 | |

| | | | | Frequency | | | | | Percentage | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never |
| | | Level of Judgment | 26 | 4 | 10 | 12 | | | 15.4 | 38.5 | 46.2 | | |
| 1.2 Clinical Sciences | 1.2.2.6 Developments in genetics/regenerative med | Frequency | 26 | 3 | 4 | 5 | 8 | 6 | 11.5 | 15.4 | 19.2 | 30.8 | 23.1 |
| | | Importance | 26 | 3 | 12 | 9 | 2 | | 11.5 | 46.2 | 34.6 | 7.7 | |
| | | Level of Judgment | 19 | 4 | 6 | 9 | | | 21.1 | 31.6 | 47.4 | | |

**Part 2. Professional Behavior and Part 3. Examination**

| | | | | Frequency | | | | | Percentage | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never |
| 3.1.3 Planning a Physical Exam | 3.1.3.1 Includes examination techniques with a high | Frequency | 24 | 24 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Importance | 24 | 24 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Level of Mastery | 24 | 14 | 7 | 3 | 0 | | 58.3 | 29.2 | 12.5 | 0.0 | |
| 3.1.5 Test and Measures | 3.1.5.5 Pain. | Frequency | 24 | 24 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Importance | 24 | 23 | 1 | 0 | 0 | | 95.8 | 4.2 | 0.0 | 0.0 | |
| | | Level of Mastery | 24 | 15 | 5 | 2 | 2 | | 62.5 | 20.8 | 8.3 | 8.3 | |
| 3.1.1 History | 3.1.1.2.3 Symptom irritability (onset, offset, and ove | Frequency | 25 | 25 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Importance | 23 | 22 | 1 | 0 | 0 | | 95.7 | 4.3 | 0.0 | 0.0 | |
| | | Level of Mastery | 25 | 15 | 6 | 2 | 2 | | 60.0 | 24.0 | 8.0 | 8.0 | |
| 3.2 Evaluation | 3.2.2 Developing a working diagnosis, including natu | Frequency | 23 | 23 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Importance | 23 | 22 | 1 | 0 | 0 | | 95.7 | 4.3 | 0.0 | 0.0 | |
| | | Level of Mastery | 23 | 17 | 3 | 2 | 1 | | 73.9 | 13.0 | 8.7 | 4.3 | |
| 3.1.5 Test and Measures | 3.1.5.2 Gait, locomotion, and balance. | Frequency | 24 | 24 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Importance | 24 | 22 | 2 | 0 | 0 | | 91.7 | 8.3 | 0.0 | 0.0 | |
| | | Level of Mastery | 24 | 13 | 8 | 1 | 2 | | 54.2 | 33.3 | 4.2 | 8.3 | |
| 3.6 Re-assessment / re-evaluation | 3.6.1 Assessing intervention response. | Frequency | 22 | 22 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Importance | 22 | 20 | 2 | 0 | 0 | | 90.9 | 9.1 | 0.0 | 0.0 | |
| | | Level of Mastery | 22 | 16 | 4 | 0 | 2 | | 72.7 | 18.2 | 0.0 | 9.1 | |
| 3.1.5 Test and Measures | 3.1.5.12 Motor control and coordination (e.g., assess | Frequency | 24 | 24 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Importance | 24 | 21 | 3 | 0 | 0 | | 87.5 | 12.5 | 0.0 | 0.0 | |
| | | Level of Mastery | 24 | 14 | 6 | 3 | 1 | | 58.3 | 25.0 | 12.5 | 4.2 | |
| 3.1.3 Planning a Physical Exam | 3.1.3.2 Is comprehensive but has the focus and deta | Frequency | 24 | 24 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Importance | 24 | 21 | 3 | 0 | 0 | | 87.5 | 12.5 | 0.0 | 0.0 | |
| | | Level of Mastery | 24 | 13 | 10 | 1 | 0 | | 54.2 | 41.7 | 4.2 | 0.0 | |
| 3.1.2 Interpreting Data from History | 3.1.1.2.1 Recognition of contributions from multiple | Frequency | 25 | 25 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Importance | 23 | 20 | 3 | 0 | 0 | | 87.0 | 13.0 | 0.0 | 0.0 | |
| | | Level of Mastery | 23 | 12 | 8 | 1 | 2 | | 52.2 | 34.8 | 4.3 | 8.7 | |
| 3.4 Prognosis | 3.4.1 The Orthopaedic Spine Physical Therapist estat | Frequency | 22 | 22 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Importance | 22 | 19 | 3 | 0 | 0 | | 86.4 | 13.6 | 0.0 | 0.0 | |
| | | Level of Mastery | 22 | 13 | 7 | 2 | 0 | | 59.1 | 31.8 | 9.1 | 0.0 | |
| 3.3. Diagnosis | 3.3.1 Organizing examination findings into clusters, s | Frequency | 21 | 21 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Importance | 21 | 18 | 3 | 0 | 0 | | 85.7 | 14.3 | 0.0 | 0.0 | |
| | | Level of Mastery | 21 | 16 | 4 | 1 | 0 | | 76.2 | 19.0 | 4.8 | 0.0 | |
| 3.1.2 Interpreting Data from History | 3.1.2.3 Identifying chief and secondary problems. | Frequency | 24 | 24 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Importance | 24 | 20 | 4 | 0 | 0 | | 83.3 | 16.7 | 0.0 | 0.0 | |
| | | Level of Mastery | 23 | 13 | 6 | 3 | 1 | | 56.5 | 26.1 | 13.0 | 4.3 | |
| 3.1.1 History | 3.1.3.3 Considers the nature, severity, and irritability | Frequency | 24 | 24 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Importance | 24 | 20 | 4 | 0 | 0 | | 83.3 | 16.7 | 0.0 | 0.0 | |
| | | Level of Mastery | 24 | 15 | 8 | 0 | 1 | | 62.5 | 33.3 | 0.0 | 4.2 | |
| 3.1.5 Test and Measures | 3.1.5.19 Posture (e.g., assessment of body or body s | Frequency | 24 | 24 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Importance | 24 | 20 | 4 | 0 | 0 | | 83.3 | 16.7 | 0.0 | 0.0 | |
| | | Level of Mastery | 24 | 15 | 4 | 4 | 1 | | 62.5 | 16.7 | 16.7 | 4.2 | |
| 3.5 Intervention | 3.5.4.1 Concerning diagnosis, prognosis, treatment, i | Frequency | 22 | 22 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Importance | 22 | 18 | 4 | 0 | 0 | | 81.8 | 18.2 | 0.0 | 0.0 | |
| | | Level of Mastery | 22 | 13 | 6 | 3 | 0 | | 59.1 | 27.3 | 13.6 | 0.0 | |
| 3.5 Intervention | 3.5.4.3 Addressing pain physiology and dose respons | Frequency | 22 | 22 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Importance | 22 | 18 | 4 | 0 | 0 | | 81.8 | 18.2 | 0.0 | 0.0 | |
| | | Level of Mastery | 22 | 14 | 5 | 3 | 0 | | 63.6 | 22.7 | 13.6 | 0.0 | |
| 3.1.5 Test and Measures | 3.1.5.17 Muscle performance (e.g., strength, power, | Frequency | 24 | 24 | 0 | 0 | 0 | | 100.0 | 0.0 | 0.0 | 0.0 | |
| | | Importance | 24 | 19 | 5 | 0 | 0 | | 79.2 | 20.8 | 0.0 | 0.0 | |
| | | Level of Mastery | 24 | 14 | 5 | 3 | 2 | | 58.3 | 20.8 | 12.5 | 8.3 | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3.1.5 Test and Measures | 3.1.5.22 Soft tissue quality (e.g., mobility, provocatic | Frequency | 24 | 24 | 0 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 |
| | | Importance | 24 | 18 | 6 | 0 | 0 | 75.0 | 25.0 | 0.0 | 0.0 |
| | | Level of Mastery | 24 | 15 | 6 | 2 | 1 | 62.5 | 25.0 | 8.3 | 4.2 |
| 3.1.1 History | 3.1.1.2.6 Readiness for change. | Frequency | 25 | 24 | 1 | 0 | 0 | 96.0 | 4.0 | 0.0 | 0.0 |
| | | Importance | 25 | 21 | 4 | 0 | 0 | 84.0 | 16.0 | 0.0 | 0.0 |
| | | Level of Mastery | 25 | 12 | 9 | 4 | 0 | 48.0 | 36.0 | 16.0 | 0.0 |
| 3.1.1 History | 3.1.1.4.1 Physical function. | Frequency | 25 | 24 | 1 | 0 | 0 | 96.0 | 4.0 | 0.0 | 0.0 |
| | | Importance | 25 | 21 | 4 | 0 | 0 | 84.0 | 16.0 | 0.0 | 0.0 |
| | | Level of Mastery | 25 | 12 | 7 | 4 | 2 | 48.0 | 28.0 | 16.0 | 8.0 |
| 3.1.1 History | 3.1.1.2.2 Quality and behavior of symptoms. | Frequency | 25 | 24 | 1 | 0 | 0 | 96.0 | 4.0 | 0.0 | 0.0 |
| | | Importance | 23 | 19 | 4 | 0 | 0 | 82.6 | 17.4 | 0.0 | 0.0 |
| | | Level of Mastery | 24 | 13 | 8 | 1 | 2 | 54.2 | 33.3 | 4.2 | 8.3 |
| 3.1.1 History | 3.1.1.2.5 Current and previous therapeutic intervent | Frequency | 25 | 24 | 1 | 0 | 0 | 96.0 | 4.0 | 0.0 | 0.0 |
| | | Importance | 25 | 20 | 5 | 0 | 0 | 80.0 | 20.0 | 0.0 | 0.0 |
| | | Level of Mastery | 25 | 13 | 8 | 2 | 2 | 52.0 | 32.0 | 8.0 | 8.0 |
| 3.1.1 History | 3.1.1.6 Obtaining medical/surgical history data. | Frequency | 25 | 24 | 1 | 0 | 0 | 96.0 | 4.0 | 0.0 | 0.0 |
| | | Importance | 25 | 20 | 5 | 0 | 0 | 80.0 | 20.0 | 0.0 | 0.0 |
| | | Level of Mastery | 25 | 11 | 6 | 6 | 2 | 44.0 | 24.0 | 24.0 | 8.0 |
| 3.1.2 Interpreting Data from History | 3.1.2.1 Developing a working hypothesis of the phys | Frequency | 24 | 23 | 1 | 0 | 0 | 95.8 | 4.2 | 0.0 | 0.0 |
| | | Importance | 22 | 22 | 0 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 |
| | | Level of Mastery | 23 | 14 | 7 | 1 | 1 | 60.9 | 30.4 | 4.3 | 4.3 |
| 3.1.5 Test and Measures | 3.1.5.14 Joint integrity (i.e., mobility assessment of j | Frequency | 24 | 23 | 1 | 0 | 0 | 95.8 | 4.2 | 0.0 | 0.0 |
| | | Importance | 24 | 24 | 0 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 |
| | | Level of Mastery | 24 | 16 | 5 | 2 | 1 | 66.7 | 20.8 | 8.3 | 4.2 |
| 3.1.2 Interpreting Data from History | 3.1.2.2 Assessing "red flags" and determining need f | Frequency | 24 | 23 | 1 | 0 | 0 | 95.8 | 4.2 | 0.0 | 0.0 |
| | | Importance | 24 | 23 | 1 | 0 | 0 | 95.8 | 4.2 | 0.0 | 0.0 |
| | | Level of Mastery | 23 | 14 | 8 | 0 | 1 | 60.9 | 34.8 | 0.0 | 4.3 |
| 3.1.5 Test and Measures | 3.1.5.1 Ergonomics and body mechanics. | Frequency | 24 | 23 | 1 | 0 | 0 | 95.8 | 4.2 | 0.0 | 0.0 |
| | | Importance | 24 | 21 | 3 | 0 | 0 | 87.5 | 12.5 | 0.0 | 0.0 |
| | | Level of Mastery | 23 | 12 | 8 | 2 | 1 | 52.2 | 34.8 | 8.7 | 4.3 |
| 3.1.4 Systems Review | 3.1.3.4 Prioritizes areas, movements, and functional | Frequency | 24 | 23 | 1 | 0 | 0 | 95.8 | 4.2 | 0.0 | 0.0 |
| | | Importance | 24 | 20 | 4 | 0 | 0 | 83.3 | 16.7 | 0.0 | 0.0 |
| | | Level of Mastery | 23 | 14 | 8 | 0 | 1 | 60.9 | 34.8 | 0.0 | 4.3 |
| 3.1.5 Test and Measures | 3.1.5.23 Task-specific activities (e.g., lifting, bending, | Frequency | 24 | 23 | 1 | 0 | 0 | 95.8 | 4.2 | 0.0 | 0.0 |
| | | Importance | 24 | 18 | 6 | 0 | 0 | 75.0 | 25.0 | 0.0 | 0.0 |
| | | Level of Mastery | 24 | 14 | 6 | 4 | 0 | 58.3 | 25.0 | 16.7 | 0.0 |
| 3.2 Evaluation | 3.2.6 Interpreting data from history and systems rev | Frequency | 23 | 22 | 1 | 0 | 0 | 95.7 | 4.3 | 0.0 | 0.0 |
| | | Importance | 23 | 19 | 4 | 0 | 0 | 82.6 | 17.4 | 0.0 | 0.0 |
| | | Level of Mastery | 23 | 17 | 3 | 3 | 0 | 73.9 | 13.0 | 13.0 | 0.0 |
| 3.1.5 Test and Measures | 3.1.5.3 Work (job/school/play), community and leisu | Frequency | 23 | 22 | 1 | 0 | 0 | 95.7 | 4.3 | 0.0 | 0.0 |
| | | Importance | 23 | 18 | 5 | 0 | 0 | 78.3 | 21.7 | 0.0 | 0.0 |
| | | Level of Mastery | 23 | 13 | 8 | 1 | 1 | 56.5 | 34.8 | 4.3 | 4.3 |
| 3.6 Re-assessment / re-evaluation | 3.6.3 Assessing change. | Frequency | 22 | 21 | 1 | 0 | 0 | 95.5 | 4.5 | 0.0 | 0.0 |
| | | Importance | 22 | 20 | 2 | 0 | 0 | 90.9 | 9.1 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 13 | 7 | 0 | 2 | 59.1 | 31.8 | 0.0 | 9.1 |
| 3.5 Intervention | 3.5.14 Non-thrust mobilization/manipulation. | Frequency | 22 | 21 | 1 | 0 | 0 | 95.5 | 4.5 | 0.0 | 0.0 |
| | | Importance | 22 | 18 | 4 | 0 | 0 | 81.8 | 18.2 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 14 | 7 | 0 | 1 | 63.6 | 31.8 | 0.0 | 4.5 |
| 3.5 Intervention | 3.5.1 Ergonomics (influences of environment and occ | Frequency | 21 | 20 | 1 | 0 | 0 | 95.2 | 4.8 | 0.0 | 0.0 |
| | | Importance | 21 | 15 | 6 | 0 | 0 | 71.4 | 28.6 | 0.0 | 0.0 |
| | | Level of Mastery | 21 | 10 | 8 | 3 | 0 | 47.6 | 38.1 | 14.3 | 0.0 |
| 2.3 Communication | 2.3.1 Empowering patients with orthopaedic spine c | Frequency | 26 | 24 | 2 | 0 | 0 | 92.3 | 7.7 | 0.0 | 0.0 |
| | | Importance | 26 | 26 | 0 | 0 | 0 | 100.0 | 0.0 | 0.0 | 0.0 |
| | | Level of Mastery | 25 | 13 | 10 | 2 | 0 | 52.0 | 40.0 | 8.0 | 0.0 |
| 3.1.1 History | 3.1.1.2.4 Onset of condition (e.g., mechanism of inju | Frequency | 25 | 23 | 2 | 0 | 0 | 92.0 | 8.0 | 0.0 | 0.0 |
| | | Importance | 24 | 22 | 2 | 0 | 0 | 91.7 | 8.3 | 0.0 | 0.0 |
| | | Level of Mastery | 25 | 12 | 10 | 1 | 2 | 48.0 | 40.0 | 4.0 | 8.0 |
| 3.1.1 History | 3.1.1.3 Obtaining data regarding functional status ar | Frequency | 25 | 23 | 2 | 0 | 0 | 92.0 | 8.0 | 0.0 | 0.0 |
| | | Importance | 25 | 19 | 6 | 0 | 0 | 76.0 | 24.0 | 0.0 | 0.0 |
| | | Level of Mastery | 25 | 11 | 8 | 4 | 2 | 44.0 | 32.0 | 16.0 | 8.0 |
| 3.1.1 History | 3.1.1.8 Obtaining data regarding social history (e.g., | Frequency | 25 | 23 | 2 | 0 | 0 | 92.0 | 8.0 | 0.0 | 0.0 |
| | | Importance | 25 | 18 | 7 | 0 | 0 | 72.0 | 28.0 | 0.0 | 0.0 |
| | | Level of Mastery | 25 | 11 | 10 | 4 | 0 | 44.0 | 40.0 | 16.0 | 0.0 |
| 3.1.5 Test and Measures | 3.1.5.9 Neurodynamics. | Frequency | 24 | 22 | 2 | 0 | 0 | 91.7 | 8.3 | 0.0 | 0.0 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Importance | 24 | 22 | 2 | 0 | 0 | 91.7 | 8.3 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 15 | 6 | 0 | 1 | 68.2 | 27.3 | 0.0 | 4.5 |
| 3.1.5 Test and Measures | 3.1.5.21 Flexibility (e.g., length, stiffness). | Frequency | 24 | 22 | 2 | 0 | 0 | 91.7 | 8.3 | 0.0 | 0.0 |
| | | Importance | 24 | 18 | 5 | 1 | 0 | 75.0 | 20.8 | 4.2 | 0.0 |
| | | Level of Mastery | 24 | 15 | 5 | 2 | 2 | 62.5 | 20.8 | 8.3 | 8.3 |
| 3.1.1 History | 3.1.1.5 Obtaining data regarding social/health habits | Frequency | 24 | 22 | 2 | 0 | 0 | 91.7 | 8.3 | 0.0 | 0.0 |
| | | Importance | 25 | 18 | 7 | 0 | 0 | 72.0 | 28.0 | 0.0 | 0.0 |
| | | Level of Mastery | 25 | 11 | 10 | 4 | 0 | 44.0 | 40.0 | 16.0 | 0.0 |
| 3.2 Evaluation | 3.2.1 Synthesizing data from history, systems review | Frequency | 23 | 21 | 2 | 0 | 0 | 91.3 | 8.7 | 0.0 | 0.0 |
| | | Importance | 22 | 17 | 5 | 0 | 0 | 77.3 | 22.7 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 13 | 6 | 2 | 1 | 59.1 | 27.3 | 9.1 | 4.5 |
| 3.6 Re-assessment / re-evaluation | 3.6.2 Analyzing significance of changes. | Frequency | 22 | 20 | 2 | 0 | 0 | 90.9 | 9.1 | 0.0 | 0.0 |
| | | Importance | 22 | 20 | 2 | 0 | 0 | 90.9 | 9.1 | 0.0 | 0.0 |
| | | Level of Mastery | 21 | 12 | 7 | 1 | 1 | 57.1 | 33.3 | 4.8 | 4.8 |
| 3.5 Intervention | 3.5.26 Motor coordination. | Frequency | 22 | 20 | 2 | 0 | 0 | 90.9 | 9.1 | 0.0 | 0.0 |
| | | Importance | 22 | 19 | 3 | 0 | 0 | 86.4 | 13.6 | 0.0 | 0.0 |
| | | Level of Mastery | 21 | 11 | 7 | 2 | 1 | 52.4 | 33.3 | 9.5 | 4.8 |
| 3.5 Intervention | 3.5.27 Muscle performance exercises (e.g., strength, | Frequency | 22 | 20 | 1 | 1 | 0 | 90.9 | 4.5 | 4.5 | 0.0 |
| | | Importance | 22 | 17 | 5 | 0 | 0 | 77.3 | 22.7 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 11 | 8 | 1 | 2 | 50.0 | 36.4 | 4.5 | 9.1 |
| 3.5 Intervention | 3.5.2 Education/training of functional activities. | Frequency | 21 | 19 | 2 | 0 | 0 | 90.5 | 9.5 | 0.0 | 0.0 |
| | | Importance | 21 | 17 | 4 | 0 | 0 | 81.0 | 19.0 | 0.0 | 0.0 |
| | | Level of Mastery | 17 | 13 | 4 | 0 | 0 | 76.5 | 23.5 | 0.0 | 0.0 |
| 3.5 Intervention | 3.5.3 Education/training of activities of daily living (e | Frequency | 21 | 19 | 2 | 0 | 0 | 90.5 | 9.5 | 0.0 | 0.0 |
| | | Importance | 21 | 17 | 4 | 0 | 0 | 81.0 | 19.0 | 0.0 | 0.0 |
| | | Level of Mastery | 17 | 11 | 6 | 0 | 0 | 64.7 | 35.3 | 0.0 | 0.0 |
| 3.1.1 History | 3.1.1.4.2 Psychosocial factors (e.g., anxiety, depressi | Frequency | 25 | 22 | 2 | 1 | 0 | 88.0 | 8.0 | 4.0 | 0.0 |
| | | Importance | 25 | 23 | 2 | 0 | 0 | 92.0 | 8.0 | 0.0 | 0.0 |
| | | Level of Mastery | 25 | 15 | 7 | 3 | 0 | 60.0 | 28.0 | 12.0 | 0.0 |
| 3.1.1 History | 3.1.1.2.7 Goals of the patient, family, and caregiver. | Frequency | 25 | 22 | 3 | 0 | 0 | 88.0 | 12.0 | 0.0 | 0.0 |
| | | Importance | 25 | 21 | 4 | 0 | 0 | 84.0 | 16.0 | 0.0 | 0.0 |
| | | Level of Mastery | 25 | 14 | 6 | 3 | 2 | 56.0 | 24.0 | 12.0 | 8.0 |
| 3.1.1 History | 3.1.1.1.3 Ergonomic considerations. | Frequency | 25 | 22 | 2 | 1 | 0 | 88.0 | 8.0 | 4.0 | 0.0 |
| | | Importance | 25 | 18 | 6 | 1 | 0 | 72.0 | 24.0 | 4.0 | 0.0 |
| | | Level of Mastery | 25 | 7 | 12 | 4 | 2 | 28.0 | 48.0 | 16.0 | 8.0 |
| 3.1.1 History | 3.1.1.10 Obtaining data on living environment and co | Frequency | 25 | 22 | 2 | 1 | 0 | 88.0 | 8.0 | 4.0 | 0.0 |
| | | Importance | 25 | 12 | 12 | 1 | 0 | 48.0 | 48.0 | 4.0 | 0.0 |
| | | Level of Mastery | 25 | 8 | 10 | 4 | 3 | 32.0 | 40.0 | 16.0 | 12.0 |
| 3.1.1 History | 3.1.1.9 Obtaining general demographic information. | Frequency | 25 | 22 | 3 | 0 | 0 | 88.0 | 12.0 | 0.0 | 0.0 |
| | | Importance | 25 | 11 | 13 | 1 | 0 | 44.0 | 52.0 | 4.0 | 0.0 |
| | | Level of Mastery | 25 | 7 | 11 | 4 | 3 | 28.0 | 44.0 | 16.0 | 12.0 |
| 3.1.5 Test and Measures | 3.1.5.20 Tissue-specific diagnostic tests (i.e., special | Frequency | 24 | 21 | 3 | 0 | 0 | 87.5 | 12.5 | 0.0 | 0.0 |
| | | Importance | 24 | 13 | 10 | 1 | 0 | 54.2 | 41.7 | 4.2 | 0.0 |
| | | Level of Mastery | 24 | 13 | 8 | 2 | 1 | 54.2 | 33.3 | 8.3 | 4.2 |
| 3.5 Intervention | 3.5.5 Injury prevention and wellness promotion (e.g. | Frequency | 22 | 19 | 3 | 0 | 0 | 86.4 | 13.6 | 0.0 | 0.0 |
| | | Importance | 22 | 18 | 4 | 0 | 0 | 81.8 | 18.2 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 11 | 7 | 3 | 1 | 50.0 | 31.8 | 13.6 | 4.5 |
| 2.1 Professional Behavior | 2.1.2 Using patient-centered ethics and values in cor | Frequency | 26 | 22 | 2 | 2 | 0 | 84.6 | 7.7 | 7.7 | 0.0 |
| | | Importance | 26 | 23 | 3 | 0 | 0 | 88.5 | 11.5 | 0.0 | 0.0 |
| | | Level of Mastery | 26 | 11 | 9 | 4 | 2 | 42.3 | 34.6 | 15.4 | 7.7 |
| 3.1.1 History | 3.1.1.1.2 Activity requirements/occupational deman | Frequency | 25 | 21 | 1 | 0 | 3 | 84.0 | 4.0 | 0.0 | 12.0 |
| | | Importance | 25 | 18 | 6 | 1 | 0 | 72.0 | 24.0 | 4.0 | 0.0 |
| | | Level of Mastery | 25 | 6 | 12 | 3 | 4 | 24.0 | 48.0 | 12.0 | 16.0 |
| 3.1.1 History | 3.1.1.7 Obtaining data regarding medication usage p | Frequency | 25 | 21 | 4 | 0 | 0 | 84.0 | 16.0 | 0.0 | 0.0 |
| | | Importance | 25 | 15 | 9 | 1 | 0 | 60.0 | 36.0 | 4.0 | 0.0 |
| | | Level of Mastery | 25 | 7 | 13 | 3 | 2 | 28.0 | 52.0 | 12.0 | 8.0 |
| 3.5 Intervention | 3.5.4.11 Graded activity/exercise. | Frequency | 22 | 18 | 2 | 2 | 0 | 81.8 | 9.1 | 9.1 | 0.0 |
| | | Importance | 22 | 17 | 5 | 0 | 0 | 77.3 | 22.7 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 12 | 7 | 2 | 1 | 54.5 | 31.8 | 9.1 | 4.5 |
| 3.5 Intervention | 3.5.4.2 Using the biopsychosocial/biomedical model | Frequency | 22 | 18 | 4 | 0 | 0 | 81.8 | 18.2 | 0.0 | 0.0 |
| | | Importance | 22 | 16 | 6 | 0 | 0 | 72.7 | 27.3 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 12 | 5 | 5 | 0 | 54.5 | 22.7 | 22.7 | 0.0 |
| 2.6 Critical Inquiry and Evidence-Based Practice | 2.6.1 Applying principles of evidence-based practice | Frequency | 26 | 21 | 3 | 2 | 0 | 80.8 | 11.5 | 7.7 | 0.0 |
| | | Importance | 26 | 21 | 5 | 0 | 0 | 80.8 | 19.2 | 0.0 | 0.0 |

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|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Level of Mastery | 26 | 12 | 10 | 3 | 1 | 46.2 | 38.5 | 11.5 | 3.8 |
| 3.1.4 Systems Review | 3.1.4.1 Performing systems review to identify the im | Frequency | 24 | 19 | 4 | 1 | 0 | 79.2 | 16.7 | 4.2 | 0.0 |
| | | Importance | 23 | 16 | 7 | 0 | 0 | 69.6 | 30.4 | 0.0 | 0.0 |
| | | Level of Mastery | 23 | 9 | 10 | 2 | 2 | 39.1 | 43.5 | 8.7 | 8.7 |
| 3.2 Evaluation | 3.2.5 Considering implications of exam findings on a | Frequency | 23 | 18 | 5 | 0 | 0 | 78.3 | 21.7 | 0.0 | 0.0 |
| | | Importance | 23 | 14 | 9 | 0 | 0 | 60.9 | 39.1 | 0.0 | 0.0 |
| | | Level of Mastery | 23 | 14 | 5 | 4 | 0 | 60.9 | 21.7 | 17.4 | 0.0 |
| 3.6 Re-assessment / re-evaluation | 3.6.4 Re-examining/implementing a modified plan o | Frequency | 22 | 17 | 4 | 1 | 0 | 77.3 | 18.2 | 4.5 | 0.0 |
| | | Importance | 22 | 18 | 3 | 1 | 0 | 81.8 | 13.6 | 4.5 | 0.0 |
| | | Level of Mastery | 22 | 13 | 7 | 0 | 2 | 59.1 | 31.8 | 0.0 | 9.1 |
| 3.7 Outcomes Assessment | 3.7.1 Assessing remediation of activity and participa | Frequency | 22 | 17 | 4 | 1 | 0 | 77.3 | 18.2 | 4.5 | 0.0 |
| | | Importance | 22 | 17 | 4 | 1 | 0 | 77.3 | 18.2 | 4.5 | 0.0 |
| | | Level of Mastery | 22 | 10 | 7 | 4 | 1 | 45.5 | 31.8 | 18.2 | 4.5 |
| 3.1.1 History | 3.1.1.1.1 Current and prior work. | Frequency | 25 | 19 | 4 | 1 | 1 | 76.0 | 16.0 | 4.0 | 4.0 |
| | | Importance | 25 | 17 | 7 | 1 | 0 | 68.0 | 28.0 | 4.0 | 0.0 |
| | | Level of Mastery | 25 | 7 | 12 | 4 | 2 | 28.0 | 48.0 | 16.0 | 8.0 |
| 3.1.5 Test and Measures | 3.1.5.18 Neuromotor development and sensory inte | Frequency | 24 | 18 | 4 | 1 | 1 | 75.0 | 16.7 | 4.2 | 4.2 |
| | | Importance | 24 | 14 | 9 | 1 | 0 | 58.3 | 37.5 | 4.2 | 0.0 |
| | | Level of Mastery | 23 | 10 | 9 | 3 | 1 | 43.5 | 39.1 | 13.0 | 4.3 |
| 3.2 Evaluation | 3.2.3 Incorporating data from ancillary testing (e.g., | Frequency | 23 | 17 | 6 | 0 | 0 | 73.9 | 26.1 | 0.0 | 0.0 |
| | | Importance | 23 | 12 | 10 | 1 | 0 | 52.2 | 43.5 | 4.3 | 0.0 |
| | | Level of Mastery | 20 | 10 | 10 | 0 | 0 | 50.0 | 50.0 | 0.0 | 0.0 |
| 3.5 Intervention | 3.5.4.13 Neural mobilization (e.g., nerve gliding). | Frequency | 22 | 16 | 5 | 0 | 1 | 72.7 | 22.7 | 0.0 | 4.5 |
| | | Importance | 22 | 19 | 2 | 1 | 0 | 86.4 | 9.1 | 4.5 | 0.0 |
| | | Level of Mastery | 22 | 10 | 8 | 3 | 1 | 45.5 | 36.4 | 13.6 | 4.5 |
| 3.1.5 Test and Measures | 3.1.5.10 Sensory integrity (e.g., assessment of super | Frequency | 24 | 17 | 7 | 0 | 0 | 70.8 | 29.2 | 0.0 | 0.0 |
| | | Importance | 24 | 21 | 3 | 0 | 0 | 87.5 | 12.5 | 0.0 | 0.0 |
| | | Level of Mastery | 21 | 15 | 4 | 0 | 2 | 71.4 | 19.0 | 0.0 | 9.5 |
| 3.5 Intervention | 3.5.4.4 Addressing prevention and wellness. | Frequency | 22 | 15 | 7 | 0 | 0 | 68.2 | 31.8 | 0.0 | 0.0 |
| | | Importance | 22 | 17 | 5 | 0 | 0 | 77.3 | 22.7 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 12 | 7 | 3 | 0 | 54.5 | 31.8 | 13.6 | 0.0 |
| 3.7 Outcomes Assessment | 3.7.2 Assessing patient satisfaction. | Frequency | 22 | 15 | 7 | 0 | 0 | 68.2 | 31.8 | 0.0 | 0.0 |
| | | Importance | 22 | 17 | 5 | 0 | 0 | 77.3 | 22.7 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 11 | 8 | 2 | 1 | 50.0 | 36.4 | 9.1 | 4.5 |
| 3.1.5 Test and Measures | 3.1.5.11 Reflex integrity (e.g., assessment of normal | Frequency | 24 | 16 | 8 | 0 | 0 | 66.7 | 33.3 | 0.0 | 0.0 |
| | | Importance | 24 | 22 | 2 | 0 | 0 | 91.7 | 8.3 | 0.0 | 0.0 |
| | | Level of Mastery | 24 | 15 | 4 | 3 | 2 | 62.5 | 16.7 | 12.5 | 8.3 |
| 3.1.5 Test and Measures | 3.1.5.13 Biopsychosocial functioning (e.g., depressio | Frequency | 24 | 16 | 7 | 0 | 1 | 66.7 | 29.2 | 0.0 | 4.2 |
| | | Importance | 24 | 17 | 7 | 0 | 0 | 70.8 | 29.2 | 0.0 | 0.0 |
| | | Level of Mastery | 24 | 11 | 9 | 4 | 0 | 45.8 | 37.5 | 16.7 | 0.0 |
| 3.5 Intervention | 3.5.9 Graded exposure. | Frequency | 22 | 14 | 6 | 2 | 0 | 63.6 | 27.3 | 9.1 | 0.0 |
| | | Importance | 22 | 18 | 4 | 0 | 0 | 81.8 | 18.2 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 12 | 8 | 1 | 1 | 54.5 | 36.4 | 4.5 | 4.5 |
| 3.6 Re-assessment / re-evaluation | 3.6.5 Confirming/modifying goals. | Frequency | 22 | 14 | 7 | 1 | 0 | 63.6 | 31.8 | 4.5 | 0.0 |
| | | Importance | 22 | 18 | 4 | 0 | 0 | 81.8 | 18.2 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 12 | 7 | 1 | 2 | 54.5 | 31.8 | 4.5 | 9.1 |
| 3.5 Intervention | 3.5.16 Soft tissue mobilization (e.g., connective tissu | Frequency | 22 | 14 | 7 | 0 | 1 | 63.6 | 31.8 | 0.0 | 4.5 |
| | | Importance | 22 | 17 | 5 | 0 | 0 | 77.3 | 22.7 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 13 | 6 | 2 | 1 | 59.1 | 27.3 | 9.1 | 4.5 |
| 3.5 Intervention | 3.5.4.20 Directional preference exercises/activities. | Frequency | 22 | 14 | 7 | 1 | 0 | 63.6 | 31.8 | 4.5 | 0.0 |
| | | Importance | 22 | 14 | 7 | 1 | 0 | 63.6 | 31.8 | 4.5 | 0.0 |
| | | Level of Mastery | 22 | 11 | 8 | 2 | 1 | 50.0 | 36.4 | 9.1 | 4.5 |
| 3.1.5 Test and Measures | 3.1.5.15 Community, home, and work barriers. | Frequency | 24 | 15 | 7 | 0 | 2 | 62.5 | 29.2 | 0.0 | 8.3 |
| | | Importance | 24 | 14 | 8 | 2 | 0 | 58.3 | 33.3 | 8.3 | 0.0 |
| | | Level of Mastery | 24 | 8 | 10 | 6 | 0 | 33.3 | 41.7 | 25.0 | 0.0 |
| 3.5 Intervention | 3.5.8 Pain neuroscience education. | Frequency | 22 | 13 | 8 | 1 | 0 | 59.1 | 36.4 | 4.5 | 0.0 |
| | | Importance | 22 | 21 | 1 | 0 | 0 | 95.5 | 4.5 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 11 | 9 | 1 | 1 | 50.0 | 40.9 | 4.5 | 4.5 |
| 3.5 Intervention | 3.5.25 Aerobic capacity and endurance exercises. | Frequency | 22 | 13 | 4 | 4 | 1 | 59.1 | 18.2 | 18.2 | 4.5 |
| | | Importance | 22 | 14 | 8 | 0 | 0 | 63.6 | 36.4 | 0.0 | 0.0 |
| | | Level of Mastery | 22 | 6 | 11 | 3 | 2 | 27.3 | 50.0 | 13.6 | 9.1 |
| 3.1.5 Test and Measures | 3.1.5.6 Anthropometric characteristics (e.g., edema, | Frequency | 24 | 14 | 7 | 3 | 0 | 58.3 | 29.2 | 12.5 | 0.0 |
| | | Importance | 24 | 10 | 14 | 0 | 0 | 41.7 | 58.3 | 0.0 | 0.0 |
| | | Level of Mastery | 24 | 8 | 10 | 5 | 1 | 33.3 | 41.7 | 20.8 | 4.2 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.2 Leadership | 2.2.3 Modeling and facilitating the translation of evi | Frequency | 26 | 15 | 4 | 5 | 2 | | 57.7 | 15.4 | 19.2 | 7.7 | | |
| | | Importance | 26 | 19 | 6 | 1 | 0 | | 73.1 | 23.1 | 3.8 | 0.0 | | |
| | | Level of Mastery | 26 | 13 | 12 | 1 | 0 | | 50.0 | 46.2 | 3.8 | 0.0 | | |
| 3.7 Outcomes Assessment | 3.7.3 Assessing promotion of primary and secondary | Frequency | 22 | 12 | 5 | 5 | 0 | | 54.5 | 22.7 | 22.7 | 0.0 | | |
| | | Importance | 22 | 14 | 7 | 1 | 0 | | 63.6 | 31.8 | 4.5 | 0.0 | | |
| | | Level of Mastery | 22 | 12 | 6 | 3 | 1 | | 54.5 | 27.3 | 13.6 | 4.5 | | |
| 3.5 Intervention | 3.5.17 Mobilization with movement. | Frequency | 22 | 12 | 8 | 2 | 0 | | 54.5 | 36.4 | 9.1 | 0.0 | | |
| | | Importance | 22 | 13 | 9 | 0 | 0 | | 59.1 | 40.9 | 0.0 | 0.0 | | |
| | | Level of Mastery | 22 | 10 | 9 | 2 | 1 | | 45.5 | 40.9 | 9.1 | 4.5 | | |
| 3.1.5 Test and Measures | 3.1.5.4 Adaptive and supportive devices (e.g., taping | Frequency | 24 | 13 | 5 | 5 | 1 | | 54.2 | 20.8 | 20.8 | 4.2 | | |
| | | Importance | 24 | 9 | 14 | 1 | 0 | | 37.5 | 58.3 | 4.2 | 0.0 | | |
| | | Level of Mastery | 24 | 6 | 13 | 4 | 1 | | 25.0 | 54.2 | 16.7 | 4.2 | | |
| 2.4 Advocacy | 2.4.1 Promoting the orthopaedic spine physical ther | Frequency | 26 | 14 | 7 | 5 | 0 | | 53.8 | 26.9 | 19.2 | 0.0 | | |
| | | Importance | 25 | 17 | 6 | 2 | 0 | | 68.0 | 24.0 | 8.0 | 0.0 | | |
| | | Level of Mastery | 26 | 14 | 8 | 3 | 1 | | 53.8 | 30.8 | 11.5 | 3.8 | | |
| 3.7 Outcomes Assessment | 3.7.4 Assessing improvement of patientâ€™s/clientâ | Frequency | 22 | 11 | 9 | 2 | 0 | | 50.0 | 40.9 | 9.1 | 0.0 | | |
| | | Importance | 22 | 15 | 6 | 1 | 0 | | 68.2 | 27.3 | 4.5 | 0.0 | | |
| | | Level of Mastery | 22 | 11 | 7 | 3 | 1 | | 50.0 | 31.8 | 13.6 | 4.5 | | |
| 3.7 Outcomes Assessment | 3.7.5 Using applicable, evidence-based outcomes me | Frequency | 22 | 11 | 7 | 4 | 0 | | 50.0 | 31.8 | 18.2 | 0.0 | | |
| | | Importance | 22 | 13 | 9 | 0 | 0 | | 59.1 | 40.9 | 0.0 | 0.0 | | |
| | | Level of Mastery | 22 | 10 | 7 | 3 | 2 | | 45.5 | 31.8 | 13.6 | 9.1 | | |
| 3.5 Intervention | 3.5.6 Sleep hygiene education (e.g., sleep schedules, | Frequency | 22 | 11 | 9 | 2 | 0 | | 50.0 | 40.9 | 9.1 | 0.0 | | |
| | | Importance | 22 | 12 | 10 | 0 | 0 | | 54.5 | 45.5 | 0.0 | 0.0 | | |
| | | Level of Mastery | 22 | 6 | 10 | 6 | 0 | | 27.3 | 45.5 | 27.3 | 0.0 | | |
| 3.5 Intervention | 3.5.15 Thrust mobilization/manipulation. | Frequency | 22 | 10 | 9 | 2 | 1 | | 45.5 | 40.9 | 9.1 | 4.5 | | |
| | | Importance | 22 | 17 | 4 | 1 | 0 | | 77.3 | 18.2 | 4.5 | 0.0 | | |
| | | Level of Mastery | 22 | 16 | 5 | 1 | 0 | | 72.7 | 22.7 | 4.5 | 0.0 | | |
| 3.5 Intervention | 3.5.18 Muscle energy techniques. | Frequency | 22 | 10 | 7 | 4 | 1 | | 45.5 | 31.8 | 18.2 | 4.5 | | |
| | | Importance | 22 | 11 | 9 | 2 | 0 | | 50.0 | 40.9 | 9.1 | 0.0 | | |
| | | Level of Mastery | 22 | 9 | 9 | 3 | 1 | | 40.9 | 40.9 | 13.6 | 4.5 | | |
| 2.2 Leadership | 2.2.4 Acting as an expert resource for peers in the cli | Frequency | 26 | 11 | 12 | 2 | 1 | | 42.3 | 46.2 | 7.7 | 3.8 | | |
| | | Importance | 26 | 21 | 5 | 0 | 0 | | 80.8 | 19.2 | 0.0 | 0.0 | | |
| | | Level of Mastery | 26 | 19 | 6 | 1 | 0 | | 73.1 | 23.1 | 3.8 | 0.0 | | |
| 3.1.5 Test and Measures | 3.1.5.16 Integumentary integrity. | Frequency | 24 | 10 | 8 | 4 | 1 | 1 | 41.7 | 33.3 | 16.7 | 4.2 | 4.2 | |
| | | Importance | 24 | 9 | 13 | 2 | 0 | | 37.5 | 54.2 | 8.3 | 0.0 | | |
| | | Level of Mastery | 24 | 8 | 10 | 4 | 2 | | 33.3 | 41.7 | 16.7 | 8.3 | | |
| 3.1.1 History | 3.1.1.1.4 Utilization of adaptive and supportive devi | Frequency | 25 | 10 | 12 | 2 | 1 | | 40.0 | 48.0 | 8.0 | 4.0 | | |
| | | Importance | 25 | 9 | 14 | 2 | 0 | | 36.0 | 56.0 | 8.0 | 0.0 | | |
| | | Level of Mastery | 25 | 5 | 12 | 7 | 1 | | 20.0 | 48.0 | 28.0 | 4.0 | | |
| 3.2 Evaluation | 3.2.4 Referring patient/client to other health care pr | Frequency | 23 | 9 | 10 | 4 | 0 | | 39.1 | 43.5 | 17.4 | 0.0 | | |
| | | Importance | 23 | 20 | 3 | 0 | 0 | | 87.0 | 13.0 | 0.0 | 0.0 | | |
| | | Level of Mastery | 23 | 11 | 8 | 3 | 1 | | 47.8 | 34.8 | 13.0 | 4.3 | | |
| 2.2 Leadership | 2.2.2 Planning, directing, organizing, and managing h | Frequency | 26 | 10 | 3 | 7 | 3 | 3 | 38.5 | 11.5 | 26.9 | 11.5 | 11.5 | |
| | | Importance | 25 | 9 | 12 | 4 | 0 | | 36.0 | 48.0 | 16.0 | 0.0 | | |
| | | Level of Mastery | 25 | 7 | 13 | 3 | 2 | | 28.0 | 52.0 | 12.0 | 8.0 | | |
| 3.1.5 Test and Measures | 3.1.5.8 Aerobic capacity and endurance (e.g., dyspne | Frequency | 24 | 9 | 9 | 5 | 1 | | 37.5 | 37.5 | 20.8 | 4.2 | | |
| | | Importance | 24 | 13 | 11 | 0 | 0 | | 54.2 | 45.8 | 0.0 | 0.0 | | |
| | | Level of Mastery | 24 | 6 | 12 | 5 | 1 | | 25.0 | 50.0 | 20.8 | 4.2 | | |
| 2.3 Communication | 2.3.2 Facilitating collaborative and multidisciplinary t | Frequency | 26 | 9 | 14 | 3 | 0 | | 34.6 | 53.8 | 11.5 | 0.0 | | |
| | | Importance | 26 | 20 | 6 | 0 | 0 | | 76.9 | 23.1 | 0.0 | 0.0 | | |
| | | Level of Mastery | 26 | 9 | 14 | 1 | 2 | | 34.6 | 53.8 | 3.8 | 7.7 | | |
| 3.1.5 Test and Measures | 3.1.5.7 Circulation (e.g., vertebral artery examinatio | Frequency | 24 | 8 | 12 | 4 | 0 | | 33.3 | 50.0 | 16.7 | 0.0 | | |
| | | Importance | 24 | 17 | 7 | 0 | 0 | | 70.8 | 29.2 | 0.0 | 0.0 | | |
| | | Level of Mastery | 24 | 9 | 9 | 5 | 1 | | 37.5 | 37.5 | 20.8 | 4.2 | | |
| 3.5 Intervention | 3.5.19 Traction/distraction. | Frequency | 22 | 7 | 9 | 4 | 2 | | 31.8 | 40.9 | 18.2 | 9.1 | | |
| | | Importance | 22 | 8 | 13 | 1 | 0 | | 36.4 | 59.1 | 4.5 | 0.0 | | |
| | | Level of Mastery | 22 | 9 | 8 | 4 | 1 | | 40.9 | 36.4 | 18.2 | 4.5 | | |
| 3.6 Re-assessment / re-evaluation | 3.6.6 Making referrals to other providers as needed. | Frequency | 22 | 6 | 7 | 9 | 0 | | 27.3 | 31.8 | 40.9 | 0.0 | | |
| | | Importance | 22 | 14 | 8 | 0 | 0 | | 63.6 | 36.4 | 0.0 | 0.0 | | |
| | | Level of Mastery | 21 | 9 | 8 | 4 | 0 | | 42.9 | 38.1 | 19.0 | 0.0 | | |
| 3.5 Intervention | 3.5.10 Graded motor imagery. | Frequency | 22 | 6 | 8 | 5 | 3 | | 27.3 | 36.4 | 22.7 | 13.6 | | |
| | | Importance | 22 | 11 | 10 | 1 | 0 | | 50.0 | 45.5 | 4.5 | 0.0 | | |
| | | Level of Mastery | 22 | 9 | 9 | 2 | 2 | | 40.9 | 40.9 | 9.1 | 9.1 | | |
| 3.5 Intervention | 3.5.4.12 Protective, adaptive or supportive device or | Frequency | 22 | 6 | 11 | 4 | 1 | | 27.3 | 50.0 | 18.2 | 4.5 | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Importance | 22 | 7 | 14 | 1 | 0 | | 31.8 | 63.6 | 4.5 | 0.0 | |
| | | Level of Mastery | 19 | 6 | 11 | 0 | 2 | | 31.6 | 57.9 | 0.0 | 10.5 | |
| 2.1 Professional Behavior | 2.1.1 Consulting with and/or educating peers, collea | Frequency | 26 | 7 | 12 | 5 | 2 | | 26.9 | 46.2 | 19.2 | 7.7 | |
| | | Importance | 26 | 18 | 8 | 0 | 0 | | 69.2 | 30.8 | 0.0 | 0.0 | |
| | | Level of Mastery | 25 | 12 | 9 | 4 | 0 | | 48.0 | 36.0 | 16.0 | 0.0 | |
| 2.5 Education | 2.5.3 Educating the public regarding spine condition | Frequency | 26 | 7 | 6 | 8 | 5 | | 26.9 | 23.1 | 30.8 | 19.2 | |
| | | Importance | 26 | 14 | 11 | 1 | 0 | | 53.8 | 42.3 | 3.8 | 0.0 | |
| | | Level of Mastery | 26 | 5 | 17 | 4 | 0 | | 19.2 | 65.4 | 15.4 | 0.0 | |
| 2.1 Professional Behavior | 2.2.1 Representing orthopaedic spine physical thera | Frequency | 26 | 6 | 5 | 9 | 6 | | 23.1 | 19.2 | 34.6 | 23.1 | |
| | | Importance | 26 | 14 | 11 | 1 | 0 | | 53.8 | 42.3 | 3.8 | 0.0 | |
| | | Level of Mastery | 26 | 13 | 9 | 3 | 1 | | 50.0 | 34.6 | 11.5 | 3.8 | |
| 3.5 Intervention | 3.5.7 Nutritional education. | Frequency | 22 | 5 | 11 | 4 | 2 | | 22.7 | 50.0 | 18.2 | 9.1 | |
| | | Importance | 22 | 8 | 13 | 1 | 0 | | 36.4 | 59.1 | 4.5 | 0.0 | |
| | | Level of Mastery | 22 | 4 | 11 | 6 | 1 | | 18.2 | 50.0 | 27.3 | 4.5 | |
| 3.5 Intervention | 3.5.28.2 Mindfulness. | Frequency | 22 | 5 | 7 | 4 | 3 | 3 | 22.7 | 31.8 | 18.2 | 13.6 | 13.6 |
| | | Importance | 22 | 7 | 13 | 2 | 0 | | 31.8 | 59.1 | 9.1 | 0.0 | |
| | | Level of Mastery | 21 | 0 | 12 | 7 | 2 | | 0.0 | 57.1 | 33.3 | 9.5 | |
| 2.5 Education | 2.5.4 Educating other health care professionals and | Frequency | 26 | 5 | 7 | 9 | 5 | | 19.2 | 26.9 | 34.6 | 19.2 | |
| | | Importance | 26 | 14 | 11 | 1 | 0 | | 53.8 | 42.3 | 3.8 | 0.0 | |
| | | Level of Mastery | 26 | 8 | 13 | 5 | 0 | | 30.8 | 50.0 | 19.2 | 0.0 | |
| 2.6 Critical Inquiry and Evidence-Based Practice | 2.6.3 Evaluating the efficacy and effectiveness of exa | Frequency | 26 | 5 | 10 | 5 | 5 | 1 | 19.2 | 38.5 | 19.2 | 19.2 | 3.8 |
| | | Importance | 26 | 8 | 17 | 1 | 0 | | 30.8 | 65.4 | 3.8 | 0.0 | |
| | | Level of Mastery | 26 | 9 | 14 | 1 | 2 | | 34.6 | 53.8 | 3.8 | 7.7 | |
| 3.5 Intervention | 3.5.4.21 Electro-therapeutic modalities (e.g., TENS, M | Frequency | 22 | 4 | 3 | 6 | 6 | 3 | 18.2 | 13.6 | 27.3 | 27.3 | 13.6 |
| | | Importance | 22 | 5 | 6 | 9 | 2 | | 22.7 | 27.3 | 40.9 | 9.1 | |
| | | Level of Mastery | 15 | 7 | 5 | 0 | 3 | | 46.7 | 33.3 | 0.0 | 20.0 | |
| 3.5 Intervention | 3.5.4.22 Thermo-therapeutic modalities (e.g., heat, i | Frequency | 22 | 4 | 5 | 5 | 6 | 2 | 18.2 | 22.7 | 22.7 | 27.3 | 9.1 |
| | | Importance | 22 | 3 | 7 | 9 | 3 | | 13.6 | 31.8 | 40.9 | 13.6 | |
| | | Level of Mastery | 22 | 4 | 6 | 9 | 3 | | 18.2 | 27.3 | 40.9 | 13.6 | |
| 3.5 Intervention | 3.5.28.1 Meditation. | Frequency | 22 | 3 | 4 | 7 | 3 | 5 | 13.6 | 18.2 | 31.8 | 13.6 | 22.7 |
| | | Importance | 22 | 6 | 13 | 3 | 0 | | 27.3 | 59.1 | 13.6 | 0.0 | |
| | | Level of Mastery | 21 | 0 | 12 | 6 | 3 | | 0.0 | 57.1 | 28.6 | 14.3 | |
| 2.1 Professional Behavior | 2.1.4 Maintaining state-of-the-art knowledge and sk | Frequency | 26 | 3 | 7 | 10 | 6 | | 11.5 | 26.9 | 38.5 | 23.1 | |
| | | Importance | 26 | 17 | 9 | 0 | 0 | | 65.4 | 34.6 | 0.0 | 0.0 | |
| | | Level of Mastery | 26 | 7 | 17 | 1 | 1 | | 26.9 | 65.4 | 3.8 | 3.8 | |
| 2.4 Advocacy | 2.4.2 Advocating for orthopaedic spine physical ther | Frequency | 26 | 3 | 1 | 8 | 11 | 3 | 11.5 | 3.8 | 30.8 | 42.3 | 11.5 |
| | | Importance | 26 | 12 | 13 | 1 | 0 | | 46.2 | 50.0 | 3.8 | 0.0 | |
| | | Level of Mastery | 26 | 11 | 8 | 4 | 3 | | 42.3 | 30.8 | 15.4 | 11.5 | |
| 2.5 Education | 2.5.2 Promoting awareness and benefits of fellowshi | Frequency | 26 | 3 | 3 | 13 | 7 | | 11.5 | 11.5 | 50.0 | 26.9 | |
| | | Importance | 26 | 11 | 14 | 1 | 0 | | 42.3 | 53.8 | 3.8 | 0.0 | |
| | | Level of Mastery | 26 | 8 | 12 | 6 | 0 | | 30.8 | 46.2 | 23.1 | 0.0 | |
| 2.1 Professional Behavior | 2.1.3 Maintaining active participation in professional | Frequency | 26 | 3 | 4 | 10 | 8 | 1 | 11.5 | 15.4 | 38.5 | 30.8 | 3.8 |
| | | Importance | 26 | 8 | 16 | 2 | 0 | | 30.8 | 61.5 | 7.7 | 0.0 | |
| | | Level of Mastery | 26 | 6 | 9 | 7 | 4 | | 23.1 | 34.6 | 26.9 | 15.4 | |
| 3.5 Intervention | 3.5.28.3 Hypnosis. | Frequency | 22 | 1 | 0 | 0 | 1 | 20 | 4.5 | 0.0 | 0.0 | 4.5 | 90.9 |
| | | Importance | 21 | 0 | 1 | 3 | 17 | | 0.0 | 4.8 | 14.3 | 81.0 | |
| | | Level of Mastery | 18 | 2 | 2 | 1 | 13 | | 11.1 | 11.1 | 5.6 | 72.2 | |
| 2.5 Education | 2.5.1 Contributing to the professional development | Frequency | 26 | 1 | 14 | 9 | 2 | | 3.8 | 53.8 | 34.6 | 7.7 | |
| | | Importance | 26 | 17 | 9 | 0 | 0 | | 65.4 | 34.6 | 0.0 | 0.0 | |
| | | Level of Mastery | 26 | 15 | 8 | 2 | 1 | | 57.7 | 30.8 | 7.7 | 3.8 | |
| 2.6 Critical Inquiry and Evidence-Based Practice | 2.6.4 Identifying research needs within the field of o | Frequency | 26 | 1 | 3 | 7 | 14 | 1 | 3.8 | 11.5 | 26.9 | 53.8 | 3.8 |
| | | Importance | 26 | 8 | 15 | 3 | 0 | | 30.8 | 57.7 | 11.5 | 0.0 | |
| | | Level of Mastery | 26 | 8 | 12 | 4 | 2 | | 30.8 | 46.2 | 15.4 | 7.7 | |
| 2.6 Critical Inquiry and Evidence-Based Practice | 2.6.2 Contributing to the body of evidence in orthop | Frequency | 26 | 0 | 2 | 0 | 19 | 5 | 0.0 | 7.7 | 0.0 | 73.1 | 19.2 |
| | | Importance | 26 | 8 | 15 | 3 | 0 | | 30.8 | 57.7 | 11.5 | 0.0 | |
| | | Level of Mastery | 26 | 7 | 12 | 4 | 3 | | 26.9 | 46.2 | 15.4 | 11.5 | |
| 3.5 Intervention | 3.5.24 Dry needling. | Frequency | 21 | 0 | 3 | 3 | 1 | 14 | 0.0 | 14.3 | 14.3 | 4.8 | 66.7 |
| | | Importance | 21 | 2 | 8 | 4 | 7 | | 9.5 | 38.1 | 19.0 | 33.3 | |
| | | Level of Mastery | 20 | 6 | 2 | 3 | 9 | | 30.0 | 10.0 | 15.0 | 45.0 | |
| 3.5 Intervention | 3.5.23 Photo-therapeutic modalities (e.g., laser). | Frequency | 22 | 0 | 2 | 4 | 4 | 12 | 0.0 | 9.1 | 18.2 | 18.2 | 54.5 |
| | | Importance | 22 | 0 | 3 | 8 | 11 | | 0.0 | 13.6 | 36.4 | 50.0 | |
| | | Level of Mastery | 21 | 2 | 3 | 4 | 12 | | 9.5 | 14.3 | 19.0 | 57.1 | |

**Part 6. Medical Conditions**

| | | | | Frequency | | | | | Percentage | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | # Responses | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never |
| 6.1 Nervous System | 6.1.2 Lumbar Radiculopathy | Frequency | 23 | 14 | 8 | 1 | 0 | | 60.9 | 34.8 | 4.3 | 0.0 | |
| | | Importance | 23 | 21 | 2 | 0 | 0 | | 91.3 | 8.7 | 0.0 | 0.0 | |
| | | Level of Mastery | 23 | 15 | 4 | 1 | 3 | | 65.2 | 17.4 | 4.3 | 13.0 | |
| 6.1 Nervous System | 6.1.1 Cervical Radiculopathy | Frequency | 23 | 12 | 10 | 1 | 0 | | 52.2 | 43.5 | 4.3 | 0.0 | |
| | | Importance | 23 | 21 | 2 | 0 | 0 | | 91.3 | 8.7 | 0.0 | 0.0 | |
| | | Level of Mastery | 23 | 16 | 5 | 0 | 2 | | 69.6 | 21.7 | 0.0 | 8.7 | |
| 6.2 Musculoskeletal System | 6.2.11 Lumbar Spondylosis Spondylolisthesis | Frequency | 23 | 12 | 10 | 1 | 0 | | 52.2 | 43.5 | 4.3 | 0.0 | |
| | | Importance | 23 | 21 | 2 | 0 | 0 | | 91.3 | 8.7 | 0.0 | 0.0 | |
| | | Level of Mastery | 23 | 13 | 6 | 2 | 2 | | 56.5 | 26.1 | 8.7 | 8.7 | |
| 6.2 Musculoskeletal System | 6.2.5 Chronic Pain Syndromes | Frequency | 22 | 12 | 7 | 3 | 0 | | 54.5 | 31.8 | 13.6 | 0.0 | |
| | | Importance | 21 | 19 | 2 | 0 | 0 | | 90.5 | 9.5 | 0.0 | 0.0 | |
| | | Level of Mastery | 21 | 10 | 9 | 1 | 1 | | 47.6 | 42.9 | 4.8 | 4.8 | |
| 6.2 Musculoskeletal System | 6.2.1 Cervical Disc Pathologies (e.g., DDD, protrusior | Frequency | 22 | 13 | 8 | 1 | 0 | | 59.1 | 36.4 | 4.5 | 0.0 | |
| | | Importance | 20 | 18 | 2 | 0 | 0 | | 90.0 | 10.0 | 0.0 | 0.0 | |
| | | Level of Mastery | 20 | 15 | 4 | 0 | 1 | | 75.0 | 20.0 | 0.0 | 5.0 | |
| 6.2 Musculoskeletal System | 6.2.10 Lumbar Instability | Frequency | 23 | 8 | 10 | 2 | 3 | | 34.8 | 43.5 | 8.7 | 13.0 | |
| | | Importance | 23 | 20 | 3 | 0 | 0 | | 87.0 | 13.0 | 0.0 | 0.0 | |
| | | Level of Mastery | 23 | 15 | 5 | 1 | 2 | | 65.2 | 21.7 | 4.3 | 8.7 | |
| 6.2 Musculoskeletal System | 6.2.12 Lumbar Strain | Frequency | 23 | 16 | 3 | 4 | 0 | | 69.6 | 13.0 | 17.4 | 0.0 | |
| | | Importance | 23 | 20 | 3 | 0 | 0 | | 87.0 | 13.0 | 0.0 | 0.0 | |
| | | Level of Mastery | 23 | 14 | 4 | 2 | 3 | | 60.9 | 17.4 | 8.7 | 13.0 | |
| 6.2 Musculoskeletal System | 6.2.9 Lumbar Disc Pathologies (e.g., DDD, protrusion | Frequency | 23 | 16 | 6 | 1 | 0 | | 69.6 | 26.1 | 4.3 | 0.0 | |
| | | Importance | 22 | 19 | 3 | 0 | 0 | | 86.4 | 13.6 | 0.0 | 0.0 | |
| | | Level of Mastery | 22 | 13 | 7 | 0 | 2 | | 59.1 | 31.8 | 0.0 | 9.1 | |
| 6.2 Musculoskeletal System | 6.2.26 Spinal stenosis. | Frequency | 22 | 11 | 8 | 3 | 0 | | 50.0 | 36.4 | 13.6 | 0.0 | |
| | | Importance | 22 | 18 | 4 | 0 | 0 | | 81.8 | 18.2 | 0.0 | 0.0 | |
| | | Level of Mastery | 22 | 12 | 8 | 1 | 1 | | 54.5 | 36.4 | 4.5 | 4.5 | |
| 6.2 Musculoskeletal System | 6.2.24 Facet dysfunction (cervical, throacic, lumbar). | Frequency | 22 | 17 | 5 | 0 | 0 | | 77.3 | 22.7 | 0.0 | 0.0 | |
| | | Importance | 22 | 19 | 2 | 1 | 0 | | 86.4 | 9.1 | 4.5 | 0.0 | |
| | | Level of Mastery | 22 | 14 | 7 | 0 | 1 | | 63.6 | 31.8 | 0.0 | 4.5 | |
| 6.2 Musculoskeletal System | 6.2.4 Cervicogenic Headache | Frequency | 22 | 6 | 9 | 6 | 1 | | 27.3 | 40.9 | 27.3 | 4.5 | |
| | | Importance | 21 | 17 | 4 | 0 | 0 | | 81.0 | 19.0 | 0.0 | 0.0 | |
| | | Level of Mastery | 21 | 14 | 6 | 0 | 1 | | 66.7 | 28.6 | 0.0 | 4.8 | |
| 6.2 Musculoskeletal System | 6.2.2 Cervical Instability | Frequency | 22 | 3 | 4 | 5 | 10 | | 13.6 | 18.2 | 22.7 | 45.5 | |
| | | Importance | 21 | 17 | 4 | 0 | 0 | | 81.0 | 19.0 | 0.0 | 0.0 | |
| | | Level of Mastery | 21 | 14 | 5 | 1 | 1 | | 66.7 | 23.8 | 4.8 | 4.8 | |
| 6.1 Nervous System | 6.1.6 Cervical Myelopathy. | Frequency | 23 | 2 | 3 | 8 | 9 | 1 | 8.7 | 13.0 | 34.8 | 39.1 | 4.3 |
| | | Importance | 23 | 19 | 3 | 1 | 0 | | 82.6 | 13.0 | 4.3 | 0.0 | |
| | | Level of Mastery | 23 | 13 | 5 | 3 | 2 | | 56.5 | 21.7 | 13.0 | 8.7 | |
| 6.2 Musculoskeletal System | 6.2.3 Cervical Sprain Strain | Frequency | 22 | 8 | 9 | 4 | 1 | | 36.4 | 40.9 | 18.2 | 4.5 | |
| | | Importance | 21 | 16 | 5 | 0 | 0 | | 76.2 | 23.8 | 0.0 | 0.0 | |
| | | Level of Mastery | 21 | 12 | 6 | 2 | 1 | | 57.1 | 28.6 | 9.5 | 4.8 | |
| 6.2 Musculoskeletal System | 6.2.18 Disorders of the Shoulder Complex | Frequency | 22 | 13 | 5 | 4 | 0 | | 59.1 | 22.7 | 18.2 | 0.0 | |
| | | Importance | 22 | 16 | 6 | 0 | 0 | | 72.7 | 27.3 | 0.0 | 0.0 | |
| | | Level of Mastery | 22 | 11 | 9 | 1 | 1 | | 50.0 | 40.9 | 4.5 | 4.5 | |
| 6.2 Musculoskeletal System | 6.2.6 Other Disorders of Cervical Spine | Frequency | 22 | 10 | 9 | 1 | 2 | | 45.5 | 40.9 | 4.5 | 9.1 | |
| | | Importance | 21 | 15 | 6 | 0 | 0 | | 71.4 | 28.6 | 0.0 | 0.0 | |
| | | Level of Mastery | 21 | 10 | 8 | 2 | 1 | | 47.6 | 38.1 | 9.5 | 4.8 | |
| 6.2 Musculoskeletal System | 6.2.13 Other Disorders of the Lumbar Spine | Frequency | 23 | 9 | 9 | 3 | 2 | | 39.1 | 39.1 | 13.0 | 8.7 | |
| | | Importance | 23 | 16 | 7 | 0 | 0 | | 69.6 | 30.4 | 0.0 | 0.0 | |
| | | Level of Mastery | 22 | 13 | 4 | 4 | 1 | | 59.1 | 18.2 | 18.2 | 4.5 | |
| 6.2 Musculoskeletal System | 6.2.25 Operative procedure on spinal structure. | Frequency | 22 | 4 | 6 | 9 | 3 | | 18.2 | 27.3 | 40.9 | 13.6 | |
| | | Importance | 22 | 15 | 7 | 0 | 0 | | 68.2 | 31.8 | 0.0 | 0.0 | |
| | | Level of Mastery | 22 | 11 | 7 | 2 | 2 | | 50.0 | 31.8 | 9.1 | 9.1 | |
| 6.2 Musculoskeletal System | 6.2.8 Disorders of the Hip | Frequency | 22 | 9 | 11 | 1 | 1 | | 40.9 | 50.0 | 4.5 | 4.5 | |
| | | Importance | 21 | 14 | 7 | 0 | 0 | | 66.7 | 33.3 | 0.0 | 0.0 | |
| | | Level of Mastery | 21 | 11 | 7 | 2 | 1 | | 52.4 | 33.3 | 9.5 | 4.8 | |
| 6.1 Nervous System | 6.1.4 Other peripheral neural impingements (not inc | Frequency | 23 | 3 | 10 | 7 | 3 | | 13.0 | 43.5 | 30.4 | 13.0 | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Importance | 23 | 16 | 6 | 1 | 0 | | 69.6 | 26.1 | 4.3 | 0.0 | |
| | | Level of Mastery | 23 | 13 | 7 | 2 | 1 | | 56.5 | 30.4 | 8.7 | 4.3 | |
| 6.2 Musculoskeletal System | 6.2.17 Rotator Cuff Pathology | Frequency | 22 | 10 | 7 | 4 | 1 | | 45.5 | 31.8 | 18.2 | 4.5 | |
| | | Importance | 22 | 14 | 8 | 0 | 0 | | 63.6 | 36.4 | 0.0 | 0.0 | |
| | | Level of Mastery | 22 | 10 | 8 | 3 | 1 | | 45.5 | 36.4 | 13.6 | 4.5 | |
| 6.2 Musculoskeletal System | 6.2.22 Curvature of the spine (e.g., scoliosis, kyphosi | Frequency | 22 | 6 | 6 | 8 | 2 | | 27.3 | 27.3 | 36.4 | 9.1 | |
| | | Importance | 22 | 15 | 6 | 1 | 0 | | 68.2 | 27.3 | 4.5 | 0.0 | |
| | | Level of Mastery | 22 | 11 | 8 | 2 | 1 | | 50.0 | 36.4 | 9.1 | 4.5 | |
| 6.2 Musculoskeletal System | 6.2.20 Thoracic Sprain Strain | Frequency | 22 | 4 | 8 | 6 | 4 | | 18.2 | 36.4 | 27.3 | 18.2 | |
| | | Importance | 22 | 14 | 7 | 1 | 0 | | 63.6 | 31.8 | 4.5 | 0.0 | |
| | | Level of Mastery | 22 | 13 | 6 | 2 | 1 | | 59.1 | 27.3 | 9.1 | 4.5 | |
| 6.2 Musculoskeletal System | 6.2.21 Other Disorders of the Thoracic Spine | Frequency | 22 | 4 | 5 | 9 | 4 | | 18.2 | 22.7 | 40.9 | 18.2 | |
| | | Importance | 22 | 15 | 5 | 2 | 0 | | 68.2 | 22.7 | 9.1 | 0.0 | |
| | | Level of Mastery | 22 | 13 | 6 | 3 | 0 | | 59.1 | 27.3 | 13.6 | 0.0 | |
| 6.2 Musculoskeletal System | 6.2.14 Piriformis Syndrome | Frequency | 23 | 6 | 5 | 9 | 3 | | 26.1 | 21.7 | 39.1 | 13.0 | |
| | | Importance | 23 | 12 | 11 | 0 | 0 | | 52.2 | 47.8 | 0.0 | 0.0 | |
| | | Level of Mastery | 23 | 11 | 8 | 1 | 3 | | 47.8 | 34.8 | 4.3 | 13.0 | |
| 6.2 Musculoskeletal System | 6.2.15 Sacroiliac Dysfunction | Frequency | 23 | 6 | 7 | 5 | 5 | | 26.1 | 30.4 | 21.7 | 21.7 | |
| | | Importance | 23 | 15 | 5 | 3 | 0 | | 65.2 | 21.7 | 13.0 | 0.0 | |
| | | Level of Mastery | 23 | 13 | 6 | 2 | 2 | | 56.5 | 26.1 | 8.7 | 8.7 | |
| 6.2 Musculoskeletal System | 6.2.16 Other Disorders of the Pelvic Girdle | Frequency | 23 | 4 | 7 | 7 | 4 | 1 | 17.4 | 30.4 | 30.4 | 17.4 | 4.3 |
| | | Importance | 23 | 13 | 9 | 1 | 0 | | 56.5 | 39.1 | 4.3 | 0.0 | |
| | | Level of Mastery | 23 | 13 | 6 | 4 | 0 | | 56.5 | 26.1 | 17.4 | 0.0 | |
| 6.2 Musculoskeletal System | 6.2.7 Temporomandibular Dysfunction | Frequency | 22 | 1 | 4 | 6 | 10 | 1 | 4.5 | 18.2 | 27.3 | 45.5 | 4.5 |
| | | Importance | 21 | 13 | 6 | 1 | 1 | | 61.9 | 28.6 | 4.8 | 4.8 | |
| | | Level of Mastery | 21 | 8 | 8 | 4 | 1 | | 38.1 | 38.1 | 19.0 | 4.8 | |
| 6.1 Nervous System | 6.1.3 Thoracic Outlet Syndrome | Frequency | 23 | 3 | 5 | 5 | 9 | 1 | 13.0 | 21.7 | 21.7 | 39.1 | 4.3 |
| | | Importance | 23 | 13 | 8 | 0 | 2 | | 56.5 | 34.8 | 0.0 | 8.7 | |
| | | Level of Mastery | 23 | 12 | 8 | 2 | 1 | | 52.2 | 34.8 | 8.7 | 4.3 | |
| 6.2 Musculoskeletal System | 6.2.19 Rib Dysfunction | Frequency | 22 | 2 | 2 | 11 | 6 | 1 | 9.1 | 9.1 | 50.0 | 27.3 | 4.5 |
| | | Importance | 22 | 13 | 4 | 5 | 0 | | 59.1 | 18.2 | 22.7 | 0.0 | |
| | | Level of Mastery | 22 | 10 | 9 | 2 | 1 | | 45.5 | 40.9 | 9.1 | 4.5 | |
| 6.2 Musculoskeletal System | 6.2.23 Diastasis recti. | Frequency | 22 | 4 | 2 | 5 | 9 | 2 | 18.2 | 9.1 | 22.7 | 40.9 | 9.1 |
| | | Importance | 22 | 13 | 5 | 3 | 1 | | 59.1 | 22.7 | 13.6 | 4.5 | |
| | | Level of Mastery | 22 | 9 | 6 | 6 | 1 | | 40.9 | 27.3 | 27.3 | 4.5 | |
| 6.1 Nervous System | 6.1.5 Meralgia paresthetica. | Frequency | 23 | 0 | 4 | 7 | 10 | 2 | 0.0 | 17.4 | 30.4 | 43.5 | 8.7 |
| | | Importance | 23 | 10 | 9 | 4 | 0 | | 43.5 | 39.1 | 17.4 | 0.0 | |
| | | Level of Mastery | 23 | 8 | 11 | 3 | 1 | | 34.8 | 47.8 | 13.0 | 4.3 | |

# Responses to Demographic Questions

**1. Please select one of the following survey options**

| | Frequency | Percent |
|---|---|---|
| I am an ABPTS board-certified clinical specialist in orthopaedic or sports physical therapy, and have practice a minimum of 1,000 hours in orthopaedic spine in the last two (2) years. | 24 | 75 |
| I am not actively involved in orthopaedic spine physical therapy practice and therefore I am not eligible to participate in this survey at this time. | 3 | 9.4 |
| I am a graduate of an ABPTRFE-accredited orthopaedic or sports residency program, and have practice a minimum of 1,000 hours in orthopaedic spine in the last two (2) years. | 2 | 6.3 |
| I am not a board-certified clinical specialist, or residency graduate, in orthopaedic or sports physical therapy but I am a member of the APTA Academy of Orthopaedic Physical Therapy or Academy of Sports Physical Therapy and have a minimum of 5 years of experience of practice in orthopaedic spine, with at least 1,000 hours in the last two (2) years. | 2 | 6.3 |

**4.1 Please indicate the percentage of time you spend in the following settings as an orthopaedic spine physical therapist (total must equal 100%).**

| | | | Counts within Percentage Bands | | | |
|---|---|---|---|---|---|---|
| | M % | SD % | 5 to 25% | 26 to 50% | 51 to 75% | 76 to 100% |
| Acute Care Hospital | 1.8 | 3.4 | 3 | | | |
| Hospital-based outpatient facility or clinic | 85.0 | 26.7 | 1 | | | 19 |

| | | | | | |
|---|---|---|---|---|---|
| Private outpatient office or group practice | 13.5 | 31.5 | 2 | | 1 |
| Skilled nursing facility (SNF)/long-term care | 0.0 | 0.0 | | | |
| Patient's home/home care | 0.0 | 0.0 | | | |
| School system (preschool/primary/secondary) | 0.0 | 0.0 | | | |
| Academic institution (postsecondary) | 17.9 | 27.9 | 6 | 1 | 1 |
| Health and wellness facility | 0.0 | 0.0 | | | |
| Research center | 0.0 | 0.0 | | | |
| Industry | 0.0 | 0.0 | | | |
| Inpatient rehab facility (IRF) | 0.0 | 0.0 | | | |
| Other | 2.8 | 8.3 | 1 | | |

**5.1 In the past year, what percentage of paitents/clients have you provided physical therapy services for in the following age groups? (total must equal 100%)**

| Age group | Mean % | SD % |
|---|---|---|
| Pediatrics (0-21 years of age) | 14.5 | 8.5 |
| Adults (22-59 years of age) | 44.8 | 13.5 |
| Geriatrics (60 years of age to end of life) | 36.6 | 11.9 |

**5.2 In the past year, what percentage of patients/clients have you provided physical therapy services for in the following sex groups? (total must equal 100%)**

| Sex | Mean % | SD % |
|---|---|---|
| Male | 44.0 | 10.4 |
| Female | 51.7 | 11.9 |
| Ambiguous | 0.2 | 1.0 |

**5.3 Please indicate your referral sources by percentages below (total must equal 100%)**

| | Mean % | SD % | |
|---|---|---|---|
| Self-referral | 17.1 | 15.8 | <- e.g., "on average, 17% of referrals are from self-referral" |
| Chiropractic | 0.0 | 0.0 | |
| Family practice physicians or other physician primary care p | 43.0 | 21.8 | |
| Physician specialists (e.g. geriatrics physician) | 24.6 | 10.6 | |
| Physician assistants | 15.5 | 8.6 | |
| Podiatrist | 6.4 | 3.8 | |
| Nurse practitioners | 9.1 | 7.5 | |
| Other | 12.0 | 15.7 | |

*Note.* Other were Ortho, Physical Medicine = 1 and Hospital Network-based spine referrals = 1.

**7.1 In which geographic region is the major portion of your practice?**

| | frequency | percent |
|---|---|---|
| Pacific (AK, CA, HI, OR, WA) | 11 | 47.8 |
| Middle Atlantic (NJ, NY, PA) | 6 | 26.1 |
| East North Central (IL, IN, MI, OH, WI) | 3 | 13.0 |
| South Atlantic (DE, DC, FL, GA, MD, NC, PR, SC, VA, WV) | 1 | 4.3 |
| West North Central (IA, KS, MN, MO, NE, ND, SD) | 1 | 4.3 |
| West South Central (AR, LA, OK, TX) | 1 | 4.3 |
| total | 23 | |

**7.2 What is your entry-level physical therapy education?**

| | frequency | percent |
|---|---|---|
| DPT | 18 | 78.3 |
| Entry-level master's | 4 | 17.4 |
| Baccalaureate | 1 | 4.3 |

| | |
|---|---|
| total | 23 |

**7.3 What is your highest earned academic degree in any area of study?**

| | frequency | percent |
|---|---|---|
| DPT | 17 | 73.9 |
| tDPT | 3 | 13.0 |
| Master's | 1 | 4.3 |
| PhD | 1 | 4.3 |
| Other | 1 | 4.3 |
| *Note.* Other was FAAOMPT | 23 | |

**7.4 What is the total number of years you have been a practicing physical therapist?**

| | Frequency | Percent |
|---|---|---|
| 31 or more years | 2 | 8.7 |
| 21 - 30 years | 2 | 8.7 |
| 16 - 20 years | 2 | 8.7 |
| 11 - 15 years | 9 | 39.1 |
| 6 - 10 years | 6 | 26.1 |
| 3 - 5 years | 2 | 8.7 |
| total | 23 | |

**7.5 What is the total number of years you have primarily practiced in Orthopaedic Spine physical therapy?**

| | Frequency | Percent |
|---|---|---|
| 21 - 30 years | 3 | 13.0 |
| 16 - 20 years | 1 | 4.3 |
| 11 - 15 years | 5 | 21.7 |
| 6 - 10 years | 7 | 30.4 |
| 3 - 5 years | 6 | 26.1 |

| | |
|---|---|
| total | 23 |

**7.6 Please indicate any ABPTS board certifications you currently hold (select all that apply)**

| | Frequency | Percent |
|---|---|---|
| Cardivascular and Pulmonary | 1 | 4.3 |
| Clinical Electrophysiology | 1 | 4.3 |
| Geriatrics | 1 | 4.3 |
| Neurology | 1 | 4.3 |
| Oncology | 1 | 4.3 |
| Orthopaedics | 22 | 95.7 |
| Pediatrics | 1 | 4.3 |
| Sports | 3 | 13.0 |
| Women's Health | 1 | 4.3 |
| Wound Management | 1 | 4.3 |
| None of the above | 2 | 8.7 |

**7.7 Please indicate if you graduated from an ABPTRFE-accredited residency program in any of the following areas of specialty practice (select all that apply)**

| | Frequency | Percent |
|---|---|---|
| Acute Care | 1 | 4.3 |
| Cardiovascular and Pulmonary | 1 | 4.3 |
| Clinical Electrophysiology | 1 | 4.3 |
| Faculty | 1 | 4.3 |
| Geriatrics | 1 | 4.3 |
| Neurology | 1 | 4.3 |
| Oncology | 1 | 4.3 |
| Orthopaedics | 14 | 60.9 |
| Pediatrics | 1 | 4.3 |

| | | |
|---|---|---|
| Sports | 1 | 4.3 |
| Women's Health | 1 | 4.3 |
| Wound Management | 1 | 4.3 |
| None of the above | 6 | 26.1 |

**7.8 Please indicate if you graduated from an ABPTRFE-accredited program in any of the folloinwg areas of subspecialty practice (select all that apply)**

| | Frequency | Percent |
|---|---|---|
| Critical Care | 1 | 4.3 |
| Hand Therapy | 1 | 4.3 |
| Higher Education Leadership | 2 | 8.7 |
| Movement System | 7 | 30.4 |
| Neonatology | 1 | 4.3 |
| Orthopaedic Manual Physical Therapy | 7 | 30.4 |
| Performing Arts | 1 | 4.3 |
| Spine | 11 | 47.8 |
| Sports Division 1 | 1 | 4.3 |
| Upper Extremity Athlete | 1 | 4.3 |
| None of the above | 6 | 26.1 |

**7.9 Based on state law and facility policies, do you evaluate and/or treat patients/clients without a physician referral?**

| | Frequency | Percent |
|---|---|---|
| Yes | 17 | 73.9 |
| No | 6 | 26.1 |

**7.10 What is your current employment status at your primary position? (35 or more hours/wk is full-time)**

| | Frequency | Percent |
|---|---|---|

| | | |
|---|---|---|
| Full-time hourly | 12 | 52.2 |
| Full-time salaried | 10 | 43.5 |
| Part-time salaried | 1 | 4.3 |

**7.11 What educational method has had the MOST influence on developing your present level of clinical skills?**

| | Frequency | Percent |
|---|---|---|
| Formal fellowship program | 13 | 56.5 |
| Continuing education courses, workshops, seminars, study | 6 | 26.1 |
| Formal residency program | 1 | 4.3 |
| Graduate program | 1 | 4.3 |
| Mentoring | 1 | 4.3 |
| Self-study (books, articles, videotapes, home study courses | 1 | 4.3 |

**7.12 Are you a member of the APTA**

| | Frequency | Percent |
|---|---|---|
| Yes | 21 | 91.3 |
| No | 2 | 8.7 |

**7.13 Please indicate any APTA Section you are member of (select all that apply)**

| | Frequency | Percent |
|---|---|---|
| Orthopaedics | 20 | 87.0 |
| Sports | 6 | 26.1 |
| Education | 3 | 13.0 |
| Research | 3 | 13.0 |
| Acute Care | 1 | 4.3 |
| Aquatics | 1 | 4.3 |
| Cardiovascular and Pulmonary | 1 | 4.3 |
| Clinical Electrophysiology and Wound Management | 1 | 4.3 |

| | | |
|---|---|---|
| Federal | 1 | 4.3 |
| Geriatrics | 1 | 4.3 |
| Hand and Upper Extremity | 1 | 4.3 |
| Health Policy and Administration | 1 | 4.3 |
| Home Health | 1 | 4.3 |
| Neurology | 1 | 4.3 |
| Oncology | 1 | 4.3 |
| Pediatrics | 1 | 4.3 |
| Pelvic Health | 1 | 4.3 |
| Private Practice | 1 | 4.3 |

**7.14 What is your sex?**

| | Frequency | Percent |
|---|---|---|
| Male | 17 | 73.9 |
| Female | 6 | 26.1 |

**7.15 What is your age?**

| | Frequency | Percent |
|---|---|---|
| 60-69 | 2 | 8.7 |
| 50-59 | 2 | 8.7 |
| 40-49 | 3 | 13.0 |
| 30-39 | 16 | 69.6 |

**7.16 Which of the following best describes your race/ethnic origin?**

| | Frequency | Percent |
|---|---|---|
| White (Not Hispanic) | 15 | 65.2 |
| Hispanic/Latino | 4 | 17.4 |
| Asian | 3 | 13.0 |

| | | |
|---|---|---|
| Other | 1 | 4.3 |

| # | 6.3 Please list any other diagnosis/condition/problem not identified previously that you see as an orthopaedic spine clinician, and percentage of time you treat the condition(s). |
|---|---|
| 1 | Foot/ankle disorders due to inhibition/facilitation/or herniated disc from the spine. 5% |
| 2 | May fall under strain, but c/s and L/S trigger points. 10% |
| 3 | Double crush syndrome , 15% |
| 4 | Vestibular dysfunctions - 10 |
| 5 | Thoracic disc herniation - less than monthly |
| 6 | Fibromyalgia- 15% Myofascial pain syndrome- 25% |
| 7 | Dural/slump disorders 5% |
| 8 | Persistent pain |
| 9 | Elbow/Knee/foot/ankle injuries/pelvic floor dysfunctions |
| 10 | Unrelated to spine, also see all conditions related to elbow, hip, knee, foot/ankle in our clinic. Total of about 45% of the time |

| # | 8.1 Please use the space below to share any concerns you have or additional items that you feel should be included in this survey |
|---|---|
| 1 | Concern: Seems like surveys like this are driven by conventional standards of practice descriptions to use "The Guide of Physical Therapists' Practice" and information from a "sample of practitioners." This becomes a problem when these "recognized" standards of care of a fragmented health care system have been shown in the scientific literature to contribute more disability in society. Thus, in essence, the conventional standard of describing practice is to survey current practice. However, select prominent medical journal publications have described the current system and current care pathways as contributing to the problem of a rising level of disability in monitored conditions, such as low back pain. (For example, see the 2018 Lancet series on low back pain). Hmmmm. I know the team creating the survey instrument is following the guidelines given to them by consultants. I wonder if practice validation instruments are being driven to gather data from a failed system, design curricula consistent with the failed system, and thus, perpetuate failure. I wonder. My suggestion to the Spine Validation group is to liberally use their expert opinion and knowledge of scientific literature and clinical guideline recommendations to assist with interpreting the survey results for guiding the curricula criteria of future Spine Fellowships. Perhaps, some disruption of current practice is needed to positively transform society. |
| 2 | I feel the survey is unclear somewhat in its intent in regards to some points. To that end, it makes it difficult to choose when rating the level to which the PT performs. Is it the level to which a Spine graduate would perform? To which I would perform? The hypothetical level that I would expect a Spine specialist to perform at? As is, I based my answers on a combination of these questions, though it was not clear to me if that was the intent. |
| 3 | Percentage importance of self study, mentoring, weekend classes to emphasize the importance. |

| | |
|---|---|
| 4 | The spine fellowship program at Kaiser Permanente is what has given me a lot of opportunities at Kaiser in Washington DC. I am currently working on developing the spine clinic in which I am the only PT in this region qualified to do so because of my fellowship training. It has really helped me establish great rapport with physicians and surgeons here because of my ability to treat spinal conditions. |

June 24, 2022

American Board of Physical Therapy Specialties

American Board of Physical Therapy Fellowship and Residency Education

1111 N Fairfax Street

Alexandria, VA 22314-1488

We have reviewed results from the pilot practice analysis survey for Orthopaedic Spine physical therapists. The pilot survey was sent to specialists with expertise in the area of orthopaedic spine care, and the pilot data was analyzed and reviewed to inform any needed revisions to the survey before it is sent to the target population.

**Results from the Orthopaedic Spine Pilot Survey**

Generally, the survey performed as expected with respondents endorsing the competencies listed in the survey. Areas requiring revision based on lack of respondent endorsement, respondent comments, or grammatical corrections are outlined below. These changes are also shown as tracked changes in the attached Spine DFP Task List document and Medical Conditions document.

The following change was made in section I. Knowledge Areas of Orthopaedic Spine Physical Therapists:

Under "A. Critical Inquiry for Evidence-Based Practice," Question 1 was not endorsed as highly as expected. To address potential misunderstanding of the question, "Appraisal" was changed to "Critical interpretation" to clarify that the item refers to practitioner as a consumer of research literature rather than being in the role of a formal research reviewer or researcher. The revised item reads, "Critical interpretation of research findings on orthopaedic spine physical therapy practice."

The following changes were made in section III. Practice Expectations for Orthopaedic Spine Physical Therapists in the Patient/Client Management Model:

In Section A, under "3. Planning a physical exam that:", we reworded item (a) to clarify that the intent is to address the chief concern to contribute to a working hypothesis of the issue, and rather than to merely reproduce or relieve. The revised item reads, "Includes examination techniques with a high probability of changing (reproducing or relieving) the chief concern and contributing to the development and refinement of the working hypothesis(es)."

Also in Section A, it was noted that items 6, 7, and 11 all refer to the same activity, except for the inclusion of the ICF model in item 7. To remove redundancy, we combined these three items into one (which now is item 6). The final item reads as follows: “Using the International Classification of Functioning, Disability and Health (ICF) model to synthesize data from history, systems review, and physical examination (e.g., identify relevant, consistent, accurate data, prioritize impairments, assess patient's/client's needs, motivations and goals).”

Under section C, we replaced the term “demonstrates prognosis” with “establishes prognosis.” (This is not included in the ‘Task List’ Word document but was noted in the survey itself.) Additionally, we removed the beginning of the item stem under Prognosis (a): “The Orthopaedic Spine Physical Therapist establishes a prognosis including” because this is redundant with the overall instructions for the section. The stem now begins with “Accounting for…”.

We revised the list of Medical Conditions for the survey to clarify relations between conditions – grouping conditions where appropriate – as well as adding conditions suggested by pilot respondents.

We look forward to your decision to move forward with the final Orthopaedic Spine survey.

Sincerely,

Brenda Ellis, Ph.D.

Human Resources Research Organization

Enclosures:

Spine DFP Task List_V4 updated 17JUN2022

Medical Conditions for Spine Pilot Survey 17JUNE2022

ABPTRFE
American Board of
Physical Therapy Residency
& Fellowship Education

# Spine Validation Practice Analysis Survey 2022

## Introduction

Spine Physical Therapy

Clinical Subspecialty Practice Analysis Survey

The purpose of this survey is to distinguish elements of subspecialized Orthopaedic Spine clinical practice. The results of this survey will establish a Description of Fellowship Practice (DFP) in Spine Physical Therapy. The questions are based on:

(1) The curriculum of current ABPTRFE-accredited Spine Fellowship Programs,

(2) The opinions of a Subject Matter Expert (SME) workgroup pertaining to Spine physical therapy practice,

(3) The latest version of the ***Guide to Physical Therapist Practice,*** including the Patient/Client Management Model,

(4) The practice expectations identified in the publication, ***A Normative Model of Physical Therapist Professional Education***

(5) Recent articles and textbooks pertaining to Spine physical therapist practice; and

(6) Results of a recent validation pilot survey.

Survey Guidelines:

The Guide to Physical Therapist Practice describes the Patient/Client Management Model, which includes Examination (history, systems review, tests and measures), Evaluation, Diagnosis, Prognosis, Intervention, and Outcomes. Based on the development of the Guide and previous specialty practice surveys, the elements of this Patient/Client Management Model are the accepted standard for all physical therapy practice, including Orthopaedic Spine Subspecialty Practice.

The Normative Model was published by the APTA to serve as a consensus-based model for professional education. This publication provides Practice Expectations (PEs) for the professional physical therapist. There are a total of 19 PEs. PEs equate to clinical competencies or the knowledge, skills, and behaviors that describe the performance of a graduate from a professional (entry-level) physical therapy program as they enter into the practice of physical therapy. These competencies include: Professional Practice Expectations (communication, individual cultural differences, professional behaviors, critical inquiry and clinical decisions making, education, professional development), Patient and Client Management Expectations (screening, examination, evaluation, diagnosis, prognosis, plan of care, intervention, outcomes assessment and evaluation), and Practice Management Expectations (prevention/wellness/health promotion, management of care delivery, administration, consultation, social responsibility).

While all therapists may perform these same elements of practice, as "subspecialists" they may be performing them differently. That is to say, subspecialists may have additional knowledge or skill, and may analyze or synthesize information differently. The result of these differences is that subspecialists may be more efficient and effective in their patient/client management. This survey represents the description of subspecialty practice for the next 10 years so please answer the questions with respect to anticipated changes, growth over the next 10 years.

This survey also addresses specific knowledge areas and procedures, and the Orthopaedic Spine Subspecialist's roles/duties in education, leadership, virtuous behavior, consultation and critical inquiry. Your responses will help us validate both advanced skill and knowledge. Some of the advanced skills are not always obvious. For example, you may consider manual muscle testing (MMT) to be a basic skill. However, the use of MMT in clinical practice may actually reflect refined thought processes employed by a clinical subspecialist who has considered the best external evidence in formulating the intervention plan. So, it may not be the actual intervention that signifies advanced practice, but the thought processes, synthesis of external evidence or possession of more knowledge about the intervention that is the hallmark of advanced practice.

We ask you to please consider each item carefully in this context, so that the results of this survey truly reflect a "subspecialty" level of practice.

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# Spine Validation Practice Analysis Survey 2022

## Survey Response Eligibility

### Please select one of the following survey options:

- ◯ I am an ABPTS board-certified clinical specialist in orthopaedic **or** sports physical therapy, and have practice a minimum of 1,000 hours in orthopaedic spine in the last two (2) years.
- ◯ I am a graduate of an ABPTRFE-accredited orthopaedic **or** sports residency program, and have practice a minimum of 1,000 hours in orthopaedic spine in the last two (2) years.
- ◯ I am not a board-certified clinical specialist, or residency graduate, in orthopaedic or sports physical therapy **but** I am a member of the APTA Academy of Orthopaedic Physical Therapy or Academy of Sports Physical Therapy and have a minimum of 5 years of experience of practice in orthopaedic spine, with at least 1,000 hours in the last two (2) years.
- ◯ I am not actively involved in orthopaedic spine physical therapy practice and therefore I am not eligible to participate in this survey at this time.
- ◯ I am actively involved in orthopaedic spine physical therapy practice at the "subspecialist" level, but am unable to participate in this survey at this time.

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# Spine Validation Practice Analysis Survey 2022

## PART 1 / 1.1 FOUNDATION SCIENCES

**Part 1 - Knowledge Areas of Orthopaedic Spine Clinical Subspecialists**

Your answers should reflect what you believe to be "orthopaedic spine subspecialty clinical practice" – i.e. practice that requires advanced knowledge and skill for efficient, effective performance, resulting in optimal patient/client care outcomes.

You are asked to rate each item in Part 1 on the following 3 scales:

**Frequency** - How frequently does the orthopaedic spine clinical subspecialist use this knowledge area?
0 - Never;
1 - Less than once a month;
2 - Monthly;
3 - Weekly;
4 - Daily

**Importance** - Regardless of the frequency of occurrence or prevalence, how important is this knowledge area to practice as an orthopaedic spine clinical subspecialist?
0 – Not important;
1 – Of little importance;
2 – Moderately important;
3 – Very important

**Level of Judgment** - Which of the following statements best describes the level of judgment orthopaedic spine clinical subspecialist exercise when they use information from this knowledge area?
0 - Do not use in their work;
1 - Recall;
2 - Application;
3 - Analysis

Level of Judgment Definitions - Please keep the following definitions for the skill levels indicated in the Level of Mastery scale in mind when completing the survey:
***Recall***: requires ability to recall or recognize specific information only.
***Application***: requires ability to comprehend, interpret or apply knowledge to new or changing situations.
***Analysis***: requires ability to analyze information, to put information together to arrive at a solution, and/or to evaluate the usefulness of the solution.

**1.1 FOUNDATIONAL SCIENCES:**

**1.1.1 Human anatomy and physiology as related to orthopaedic spine conditions:**

### 1.1.1.1 Musculoskeletal system.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.1.1.2 Neuromuscular system.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.1.1.3 Cardiovascular and pulmonary systems.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.1.1.4 Integumentary system.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.1.1.5 Human growth and development across the lifespan.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.1.1.6 Histology (e.g., connective tissue, muscle fiber type, immunity).

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.1.1.7 Other systems (e.g., endocrine, digestive, genitourinary).

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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# Spine Validation Practice Analysis Survey 2022

## 1.1 FOUNDATION SCIENCES, CONT.

**Frequency** - How frequently does the orthopaedic spine clinical subspecialist use this knowledge area?

**Importance** - Regardless of the frequency of occurrence or prevalence, how important is this knowledge area to practice as a 0rthopaedic spine clinical subspecialist?

**Level of Judgment** - Which of the following statements best describes the level of judgment orthopaedic spine clinical subspecialists exercise when they use information from this knowledge area?

Level of Judgment Definitions
***Recall***: requires ability to recall or recognize specific information only.
***Application***: requires ability to comprehend, interpret or apply knowledge to new or changing situations.
***Analysis***: requires ability to analyze information, to put information together to arrive at a solution, and/or to evaluate the usefulness of the solution.

**1.1 FOUNDATIONAL SCIENCES, CONT.**

**1.1.2 Movement science as related to orthopaedic spine conditions:**

### 1.1.2.1 Kinesiology/biomechanics.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.1.2.2 Neural control of movement.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.1.2.3 Ergonomics.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.1.2.4 Locomotion.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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# Spine Validation Practice Analysis Survey 2022

## 1.2 CLINICAL SCIENCES

**Frequency** - How frequently does the orthopaedic spine clinical subspecialist use this knowledge area?

**Importance** - Regardless of the frequency of occurrence or prevalence, how important is this knowledge area to practice as a 0rthopaedic spine clinical subspecialist?

**Level of Judgment** - Which of the following statements best describes the level of judgment orthopaedic spine clinical subspecialists exercise when they use information from this knowledge area?

Level of Judgment Definitions
***Recall***: requires ability to recall or recognize specific information only.
***Application***: requires ability to comprehend, interpret or apply knowledge to new or changing situations.
***Analysis***: requires ability to analyze information, to put information together to arrive at a solution, and/or to evaluate the usefulness of the solution.

**1.2 CLINICAL SCIENCES**

**1.2.1 Pathology/Pathophysiology as related to orthopaedic spine conditions**

### 1.2.1.1 Signs and symptoms of disease/injury.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.2.1.2 Progression of disease/injury processes.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.2.1.3 Pathokinesiology.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.2.1.4 Tissue inflammation, healing, and repair.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

**1.2.2 Medical and surgical considerations as related to orthopaedic spine conditions**

### 1.2.2.1 Imaging studies.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.2.2.2 Pharmacology.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.2.2.3 Ancillary tests (e.g., lab studies, EKG, electrophysiological exams).

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.2.2.4 Nonsurgical interventional spine procedures (e.g., injections, radial ablation, denervation procedures) and their indications, contraindications, and precautions for orthopaedic spine physical therapy.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.2.2.5 Spine surgical interventions and their indications, contraindications, and precautions for orthopaedic spine physical therapy.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.2.2.6 Developments in genetics/regenerative medicine (e.g., genetic markers, stem cell applications, genetic-based alterations to pharmacological interventions, immunity.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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# Spine Validation Practice Analysis Survey 2022

## 1.3 BEHAVIORAL SCIENCES

**Frequency** - How frequently does the orthopaedic spine clinical subspecialist use this knowledge area?

**Importance** - Regardless of the frequency of occurrence or prevalence, how important is this knowledge area to practice as a 0rthopaedic spine clinical subspecialist?

**Level of Judgment** - Which of the following statements best describes the level of judgment orthopaedic spine clinical subspecialists exercise when they use information from this knowledge area?

Level of Judgment Definitions
***Recall***: requires ability to recall or recognize specific information only.
***Application***: requires ability to comprehend, interpret or apply knowledge to new or changing situations.
***Analysis***: requires ability to analyze information, to put information together to arrive at a solution, and/or to evaluate the usefulness of the solution.

**1.3 BEHAVIORAL SCIENCES**

**1.3.1 Behavioral science as related to orthopaedic spine conditions:**

### 1.3.1.1 External environmental factors (e.g., expected behaviors and social pressures).

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.3.1.2 Personal factors (e.g., compliance, body awareness, pain perception, and related psychosocial factors).

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.3.1.3 Psychological/emotional conditions (e.g., anxiety, depression, catastrophization).

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 1.3.1.4 Impact of behavioral health risk factors (e.g., smoking effects on healing rates).

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

**1.3.2 Pain science as related to orthopaedic spine conditions:**

## 1.3.2.1 Peripheral nociceptive pain physiology.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 1.3.2.2 Peripheral neurogenic/neuropathic pain physiology.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 1.3.2.3 Central nervous system/nociplastic pain physiology.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 1.3.2.4 Output mechanisms and expressions (e.g., immune, endocrine, sympathetic, behavioral).

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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# Spine Validation Practice Analysis Survey 2022

## 1.3 BEHAVIORAL SCIENCES, CONT.

**Frequency** - How frequently does the orthopaedic spine clinical subspecialist use this knowledge area?

**Importance** - Regardless of the frequency of occurrence or prevalence, how important is this knowledge area to practice as a 0rthopaedic spine clinical subspecialist?

**Level of Judgment** - Which of the following statements best describes the level of judgment orthopaedic spine clinical subspecialists exercise when they use information from this knowledge area?

Level of Judgment Definitions
***Recall***: requires ability to recall or recognize specific information only.
***Application***: requires ability to comprehend, interpret or apply knowledge to new or changing situations.
***Analysis***: requires ability to analyze information, to put information together to arrive at a solution, and/or to evaluate the usefulness of the solution.

**1.3 BEHAVIORAL SCIENCES, CONT.**

**1.3.3 Orthopaedic spine physical therapy theory and practice:**

### 1.3.3.1 Biopsychosocial model.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.3.3.2 Exercise physiology across the lifespan.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.3.3.3 Manual therapy techniques.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.3.3.4 Movement systems impairments.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 1.3.3.5 Motor control and motor learning.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 1.3.3.6 Theory and application of orthotic, protective, and supportive devices.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 1.3.3.7 Therapeutic exercise.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 1.3.3.8 Models of differential diagnosis and clinical reasoning (e.g., hypothesis-oriented algorithm for clinicians (HOAC) model, prospect theory).

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 1.3.3.9 Principles of teaching and learning.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 1.3.3.10 Principles of prevention and wellness.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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# Spine Validation Practice Analysis Survey 2022

## 1.4 CRITICAL INQUIRY FOR EVIDENCE-BASED PRACTICE

**Frequency** - How frequently does the orthopaedic spine clinical subspecialist use this knowledge area?

**Importance** - Regardless of the frequency of occurrence or prevalence, how important is this knowledge area to practice as a 0rthopaedic spine clinical subspecialist?

**Level of Judgment** - Which of the following statements best describes the level of judgment orthopaedic spine clinical subspecialists exercise when they use information from this knowledge area?

Level of Judgment Definitions
***Recall***: requires ability to recall or recognize specific information only.
***Application***: requires ability to comprehend, interpret or apply knowledge to new or changing situations.
***Analysis***: requires ability to analyze information, to put information together to arrive at a solution, and/or to evaluate the usefulness of the solution.

**1.4 CRITICAL INQUIRY FOR EVIDENCE-BASED PRACTICE**

### 1.4.1 Critical interpretation of research findings on orthopaedic spine physical therapy practice.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 1.4.2 Application of research findings to orthopaedic spine physical therapy practice.

| | Frequency | Importance | Level of Judgment |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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# Spine Validation Practice Analysis Survey 2022

## PART 2 / 2.1 PROFESSIONAL BEHAVIOR

**Part 2 - Professional Roles, Responsibilities, and Values of Orthopaedic Spine Clinical Subspecialists**

Your answers should reflect what you believe to be "orthopaedic spine subspecialty clinical practice" – i.e. practice that requires advanced knowledge and skill for efficient, effective performance, resulting in optimal patient/client care outcomes.

You are asked to rate each item in Part 2 on the following 3 scales:

**Frequency** - How frequently does the orthopaedic spine clinical subspecialist perform this activity?
0 - Never;
1 - Less than once a month;
2 - Monthly;
3 - Weekly;
4 - Daily

**Importance** - Regardless of the frequency of occurrence, how important is this activity in everyday practice as an orthopaedic spine clinical subspecialist?
0 – Not important;
1 – Of little importance;
2 – Moderately important;
3 – Very important

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?
0 - Advanced beginner level;
1 - Competent skill level;
2 - Proficient skill level;
3 - Expert skill level

Level of Master Definitions - Please keep the following definitions for the skill levels indicated in the Level of Mastery scale in mind when completing the survey:
***Advanced beginner level***: Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.
***Competent skill level***: Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.
***Proficient skill level***: Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.
***Expert skill level:*** Physical therapists at this level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid, and efficient. Clinical decision-making is rapid and accurate.

**2.1 PROFESSIONAL BEHAVIOR.** The orthopaedic spine subspecialist acts as a role model of professional behavior in all interactions and in accordance with APTA Code of Ethics. The orthopaedic spine subspecialist demonstrates professional behavior by:

## 2.1.1 Consulting with and/or educating peers, colleagues, other health care professionals, community, agencies, legislative and/or regulatory organizations regarding issues of orthopaedic spine physical therapy practice.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 2.1.2 Using patient-centered ethics and values in complex clinical decision making.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 2.1.3 Maintaining active participation in professional organizations that address issues related to orthopaedic spine care.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 2.1.4 Maintaining state-of-the-art knowledge and skills by seeking own mentors and participating in continuing professional development (e.g., seminars, structured study, journal clubs, etc.).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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## 2.2 LEADERSHIP

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

***Advanced beginner skill level.*** Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of a clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.

***Competent skill level.*** Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.

***Proficient skill level.*** Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.

***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**2.2 LEADERSHIP.** The orthopaedic spine subspecialist demonstrates leadership by:

### 2.2.1 Representing orthopaedic spine physical therapy and interacting with other professionals and organizations (e.g., inter-professional interaction and mentoring).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 2.2.2 Planning, directing, organizing, and managing human, technical, environmental, and financial resources effectively and efficiently.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 2.2.3 Modeling and facilitating the translation of evidence into clinical practice as it relates to orthopaedic spine care.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 2.2.4 Acting as an expert resource for peers in the clinic and community for guidance on complex cases and problem solving/clinical reasoning as it relates to orthopaedic spine care.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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# Spine Validation Practice Analysis Survey 2022

## 2.3 COMMUNICATION / 2.4 ADVOCACY

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

***Advanced beginner skill level.*** Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of a clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.

***Competent skill level.*** Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.

***Proficient skill level.*** Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.

***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**2.3 COMMUNICATION.** The orthopaedic spine subspecialist demonstrates effective communication by:

### 2.3.1 Empowering patients with orthopaedic spine conditions in the management of their own health (e.g., providing patients confidence to manage future occurrences of spine-related pain).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 2.3.2 Facilitating collaborative and multidisciplinary team management and transition of care for individuals with orthopaedic spine conditions.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

**2.4 ADVOCACY.** The orthopaedic spine subspecialist demonstrates advocacy by:

## 2.4.1 Promoting the orthopaedic spine physical therapist as the first contact provider in musculoskeletal spine pathology.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 2.4.2 Advocating for orthopaedic spine physical therapy practice with national organizations, healthcare systems or law-making bodies.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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# Spine Validation Practice Analysis Survey 2022

## 2.5 EDUCATION / 2.6 CRITICAL INQUIRY AND EVIDENCE-BASED PRACTICE

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

***Advanced beginner skill level.*** Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of a clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.

***Competent skill level.*** Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.

***Proficient skill level.*** Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.

***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**2.5 EDUCATION.** The orthopaedic spine subspecialist demonstrates the ability to educate others by:

### 2.5.1 Contributing to the professional development of other physical therapists by teaching/mentoring.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 2.5.2 Promoting awareness and benefits of fellowship programs in orthopaedic spine physical therapy.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 2.5.3 Educating the public regarding spine conditions, the role of orthopaedic spine physical therapists, and addressing common misconceptions.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 2.5.4 Educating other health care professionals and administrators as to the scope and role of orthopaedic spine physical therapists.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

**2.6 CRITICAL INQUIRY AND EVIDENCE-BASED PRACTICE.** The orthopaedic spine subspecialist demonstrates critical inquiry and evidence-based practice by:

## 2.6.1 Applying principles of evidence-based practice in patient/client management.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 2.6.2 Contributing to the body of evidence in orthopaedic spine physical therapy (e.g., peer-reviewed and non-peer-reviewed presentations and publications).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 2.6.3 Evaluating the efficacy and effectiveness of examination tools, interventions, and technologies based upon available evidence.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 2.6.4 Identifying research needs within the field of orthopaedic spine physical therapy, evaluating outcomes data, and assessing new concepts and technologies.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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& Fellowship Education

# Spine Validation Practice Analysis Survey 2022

## PART 3 / 3.1 EXAMINATION / 3.1.1 HISTORY

**Part 2 - Professional Roles, Responsibilities, and Values of Orthopaedic Spine Clinical Subspecialists**

Your answers should reflect what you believe to be "orthopaedic spine subspecialty clinical practice" – i.e. practice that requires advanced knowledge and skill for efficient, effective performance, resulting in optimal patient/client care outcomes.

You are asked to rate each item in Part 2 on the following 3 scales:

**Frequency** - How frequently does the orthopaedic spine clinical subspecialist perform this activity?
0 - Never;
1 - Less than once a month;
2 - Monthly;
3 - Weekly;
4 - Daily

**Importance** - Regardless of the frequency of occurrence, how important is this activity in everyday practice as an orthopaedic spine clinical subspecialist?
0 – Not important;
1 – Of little importance;
2 – Moderately important;
3 – Very important

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?
0 - Advanced beginner level;
1 - Competent skill level;
2 - Proficient skill level;
3 - Expert skill level

Level of Master Definitions - Please keep the following definitions for the skill levels indicated in the Level of Mastery scale in mind when completing the survey:
***Advanced beginner level***: Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.
***Competent skill level***: Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.
***Proficient skill level***: Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.
***Expert skill level:*** Physical therapists at this level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid, and efficient. Clinical decision-making is rapid and accurate.

**3.1 EXAMINATION.** The orthopaedic spine physical therapist demonstrates examination by:

**3.1.1 History.**

**3.1.1.1 Obtaining work/performance place and status data that includes, but is not limited to:**

## 3.1.1.1.1 Current and prior work.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.1.1.1.2 Activity requirements/occupational demands.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.1.1.1.3 Ergonomic considerations.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.1.1.1.4 Utilization of adaptive and supportive devices (e.g., taping, bracing, assistive devices, orthotics).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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## 3.1.1 HISTORY, CONT.

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

***Advanced beginner skill level.*** Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of a clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.

***Competent skill level.*** Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.

***Proficient skill level.*** Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.

***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**3.1 EXAMINATION, CONT.**
**3.1.1 History, cont.**

**3.1.1.2 Obtaining data regarding current condition(s)/chief complaint(s) by identifying areas of primary and secondary symptoms that includes, but is not limited to:**

### 3.1.1.2.1 Recognition of contributions from multiple body regions.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.1.2.2 Quality and behavior of symptoms.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.1.2.3 Symptom irritability (onset, offset, and overall baseline).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.1.2.4 Onset of condition (e.g., mechanism of injury, insidious onset, potential contributing factors).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.1.2.5 Current and previous therapeutic interventions.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.1.2.6 Readiness for change.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.1.2.7 Goals of the patient, family, and caregiver.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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## 3.1.1 HISTORY, CONT.

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions
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***Proficient skill level.*** Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.
***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**3.1 EXAMINATION, CONT.**
**3.1.1 History, cont.**

### 3.1.1.3 Obtaining data regarding functional status and activity level of daily living.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

**3.1.1.4 Obtaining data regarding general health status via self-report, family report, or caregiver report that includes, but is not limited to:**

### 3.1.1.4.1 Physical function.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.1.1.4.2 Psychosocial factors (e.g., anxiety, depression, catastrophizing).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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## 3.1.1 HISTORY, CONT.

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

***Advanced beginner skill level.*** Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of a clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.

***Competent skill level.*** Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.

***Proficient skill level.*** Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.

***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**3.1 EXAMINATION, CONT.**
**3.1.1 History, cont.**

### 3.1.1.5 Obtaining data regarding social/health habits (past and current), including behavioral health risks (e.g., nutrition, smoking, substance use, sleep) and fitness level.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.1.6 Obtaining medical/surgical history data.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.1.7 Obtaining data regarding medication usage patterns and effects of medications currently and previously taken (for chief complaint and for other conditions).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.1.8 Obtaining data regarding social history (e.g., cultural beliefs and support systems).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.1.9 Obtaining general demographic information.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.1.10 Obtaining data on living environment and community characteristics.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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## 3.1.2 INTERPRETING DATA FROM HISTORY / 3.1.3 PLANNING A PHYSICAL EXAM

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

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**3.1 EXAMINATION, CONT.**

**3.1.2 Interpreting data from history in order to assist in planning physical therapy exam by:**

### 3.1.2.1 Developing a working hypothesis of the physical therapy diagnosis that includes, nature and severity of problem(s), probable cause(s) of problem(s), anatomical structures involved, stage of condition, possible contraindications to physical therapy examination.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.2.2 Assessing "red flags" and determining need based upon whether patient demonstrates neuromusculoskeletal problems responsive to physical therapy intervention or condition(s) requiring referral to another health care provider.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.2.3 Identifying chief and secondary problems.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

**3.1.3 Planning a physical exam that:**

### 3.1.3.1 Includes examination techniques with a high probability of changing (reproducing or relieving) the chief concern and contributing to the development and refinement of the working hypothesis(es).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.3.2 Is comprehensive but has the focus and detail appropriate to the working hypothesis and the patient's problems.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.3.3 Considers the nature, severity, and irritability of the symptoms/problems.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.1.3.4 Prioritizes areas, movements, and functional activities to be examined as well as examination procedures and examination sequence.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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## 3.1.4 SYSTEMS REVIEW / 3.1.5 TEST AND MEASURES

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

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***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**3.1 EXAMINATION, CONT.**

**3.1.4 SYSTEMS REVIEW.**

### 3.1.4.1 Performing systems review to identify the impaired or unimpaired status of the: cardiovascular/pulmonary system, musculoskeletal system, neuromotor system, integumentary system, and/or communication ability.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

**3.1.5 Performing tests and measures that include:**

### 3.1.5.1 Ergonomics and body mechanics.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.5.2 Gait, locomotion, and balance.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.5.3 Work (job/school/play), community and leisure integration or reintegration (including IADL).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.5.4 Adaptive and supportive devices (e.g., taping, bracing, assistive devices, orthotics).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.5.5 Pain.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.5.6 Anthropometric characteristics (e.g., edema, body dimensions and composition).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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## 3.1.5 TEST AND MEASURES, CONT.

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

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**3.1 EXAMINATION, CONT.**

**3.1.5 Performing test and measures that include, cont.**

### 3.1.5.7 Circulation (e.g., vertebral artery examination, skin condition, thoracic outlet tests, and peripheral pulses).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.5.8 Aerobic capacity and endurance (e.g., dyspnea perceived exertion, heart rate).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.5.9 Neurodynamics.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.5.10 Sensory integrity (e.g., assessment of superficial sensation, dermatomes, myotomes, proprioception and kinesthesia, 2-point discrimination, quantitative sensory testing).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.5.11 Reflex integrity (e.g., assessment of normal and pathological reflexes).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.5.12 Motor control and coordination (e.g., assessment of timing of movements across segments, capability of acquiring new movement strategies).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.5.13 Biopsychosocial functioning (e.g., depression, impaired motivation, FABQ, STarT Back, Tampa Kinesiophobia).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.5.14 Joint integrity (i.e., mobility assessment of joint hypermobility and hypomobility to include passive range of motion, passive accessory motions, response to manual provocation).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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## 3.1.5 TEST AND MEASURES, CONT.

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

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**3.1 EXAMINATION, CONT.**

**3.1.5 Performing tests and measures that include, cont.**

## 3.1.5.15 Community, home, and work barriers.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.1.5.16 Integumentary integrity.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.5.17 Muscle performance (e.g., strength, power, and endurance).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.5.18 Neuromotor development and sensory integration (e.g., assessment of appropriate development, dexterity, coordination, and integration of the somatosensory system).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.5.19 Posture (e.g., assessment of body or body segment(s) structure, alignment, changes in different positions, body contours).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.5.20 Tissue-specific diagnostic tests (i.e., special tests).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.5.21 Flexibility (e.g., length, stiffness).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.1.5.22 Soft tissue quality (e.g., mobility, provocation).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.1.5.23 Task-specific activities (e.g., lifting, bending, reaching).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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## 3.2 EVALUATION

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

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***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**3.2 EVALUATION: Evaluation is the dynamic process of clinical judgment. The orthopaedic spine subspecialist demonstrates evaluation by:**

### 3.2.1 Using the International Classification of Functioning, Disability and Health (ICF) model to synthesize data from history, systems review, and physical examination (e.g., identify relevant, consistent, accurate data, prioritize impairments, assess patient's/client's needs, motivations and goals).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.2.2 Developing a working diagnosis, including nature of complaint, probable cause, anatomical structures involved, stage of condition, pain mechanisms, psychosocial factors, and possible contraindications for physical therapy intervention.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.2.3 Incorporating data from ancillary testing (e.g., imaging, labs, electrophysiological studies).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.2.4 Referring patient/client to other health care professionals for further examination as appropriate.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.2.5 Considering implications of exam findings on activity, quality of life, and wellness as established by the ICF.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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# Spine Validation Practice Analysis Survey 2022

## 3.3 DIAGNOSIS/3.4 PROGNOSIS

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

***Advanced beginner skill level.*** Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of a clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.

***Competent skill level.*** Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.

***Proficient skill level.*** Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.

***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**3.3 DIAGNOSIS.** Diagnosis is the determination of labels to describe multiple dimensions of the individual, ranging from the most basic cellular level to the highest level of functioning as a person in society. The orthopaedic spine subspecialist determines diagnosis by:

### 3.3.1 Organizing examination findings into clusters, syndromes, or categories to which physical therapy interventions will be directed and to determine prognosis.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

**3.4 PROGNOSIS.** Prognosis is the determination of the predicted optimal level of improvement in function and the amount of time needed to reach that level. The orthopaedic spine subspecialist determines prognosis by:

## 3.4.1 Accounting for the complexity of the patient/client's dysfunctions/conditions, the predicted optimal level of improvement in function, and the amount of time needed to reach that level.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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## 3.5 INTERVENTION

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

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***Proficient skill level.*** Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.

***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**3.5 INTERVENTION.** Physical therapists purposefully interact with the individual and, when appropriate, with other clinicians involved in his or her care, using various interventions to produce changes in the condition that are consistent with the diagnosis and prognosis. The orthopaedic spine subspecialist performs the following interventions:

### 3.5.1 Ergonomics (influences of environment and occupation on posture and movement).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.5.2 Education/training of functional activities.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5.3 Education/training of activities of daily living (e.g., hygiene, stair climbing, sleeping postures).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

**3.5.4 Education**:

## 3.5.4.1 Concerning diagnosis, prognosis, treatment, responsibility, and self-management within plan of care.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5.4.2 Using the biopsychosocial/biomedical models.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5.4.3 Addressing pain physiology and dose response.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5.4.4 Addressing prevention and wellness.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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## 3.5 INTERVENTION, CONT.

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

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***Competent skill level.*** Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.

***Proficient skill level.*** Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.

***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**3.5 INTERVENTION, CONT.**

### 3.5.5 Injury prevention and wellness promotion (e.g., task adaptation, behavior modification, body mechanics).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.5.6 Sleep hygiene education (e.g., sleep schedules, technology usage, sleep habits, relationship between sleep and medication usage).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5.7 Nutritional education.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5.8 Pain neuroscience education.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5.9 Graded exposure.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5.10 Graded motor imagery.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5.4.11 Graded activity/exercise.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5.4.12 Protective, adaptive or supportive device or equipment (e.g., orthotics, taping).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5.4.13 Neural mobilization (e.g., nerve gliding).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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## 3.5 INTERVENTION, CONT.

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

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***Proficient skill level.*** Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.

***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**3.5 INTERVENTION, CONT.**

## 3.5.14 Non-thrust mobilization/manipulation.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5.15 Thrust mobilization/manipulation.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.5.16 Soft tissue mobilization (e.g., connective tissue, deep friction, cross friction massage, instrument-assisted).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.5.17 Mobilization with movement.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.5.18 Muscle energy techniques.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.5.19 Traction/distraction.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.5.4.20 Directional preference exercises/activities.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.5.4.21 Electro-therapeutic modalities (e.g., TENS, NMES).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.5.4.22 Thermo-therapeutic modalities (e.g., heat, ice, ultrasound).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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## 3.5 INTERVENTION, CONT.

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

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**3.5 INTERVENTION, CONT.**

## 3.5.23 Photo-therapeutic modalities (e.g., laser).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5.24 Dry needling.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5.25 Aerobic capacity and endurance exercises.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5.26 Motor coordination.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5.27 Muscle performance exercises (e.g., strength, muscle endurance).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

**3.5.28 Complementary interventions including:**

## 3.5.28.1 Meditation.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5.28.2 Mindfulness.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.5.28.3 Hypnosis.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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# Spine Validation Practice Analysis Survey 2022

## 3.6 RE-ASSESSMENT/RE-EVALUATION

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

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**3.6 RE-ASSESSMENT/RE-EVALUATION.** The orthopaedic spine subspecialist performs re-assessment and re-evaluation by:

### 3.6.1 Assessing intervention response.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.6.2 Analyzing significance of changes.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.6.3 Assessing change.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.6.4 Re-examining/implementing a modified plan of care.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.6.5 Confirming/modifying goals.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 3.6.6 Making referrals to other providers as needed.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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## 3.7 OUTCOMES ASSESSMENT

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions
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***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**3.7 OUTCOMES ASSESSMENT.** Outcomes assessment is the measurement of the actual results of implementing the plan of care that indicate the impact on functioning (body functions and structures, activities, and participation). The orthopaedic spine subspecialist performs outcomes assessment by:

### 3.7.1 Assessing remediation of activity and participation limitations.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.7.2 Assessing patient satisfaction.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.7.3 Assessing promotion of primary and secondary prevention.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.7.4 Assessing improvement of patient's/client's activities and participation based on best available evidence and patient/client-specific variables (i.e., benchmarking).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 3.7.5 Using applicable, evidence-based outcomes measurement tools/questionnaires/scales (e.g., Oswestry, Fear Avoidance Behavior Questionnaire).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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## PART 4 PRACTICE SETTINGS

**Part 4 - PRACTICE SETTINGS**

This section addresses your own clinical practice as an orthopaedic spine clinician.

### 4.1 Please indicate the percentage of time you spend in the following settings as an orthopaedic spine physical therapist ***(total must equal 100%)***.

| | |
|---|---|
| Acute Care Hospital | |
| Hospital-based outpatient facility or clinic | |
| Private outpatient office or group practice | |
| Skilled nursing facility (SNF)/long-term care | |
| Patient's home/home care | |
| School system (preschool/primary/secondary) | |
| Academic institution (postsecondary) | |
| Health and wellness facility | |
| Research center | |
| Industry | |
| Inpatient rehab facility (IRF) | |
| Other | |

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## PART 5 PATIENT POPULATIONS

**Part 5 - PATIENT POPULATIONS**

This section addresses your own clinical practice as an orthopaedic spine clinician.

### 5.1 In the past year, what percentage of patients/clients have you provided physical therapy services for in the following age groups? ***(total must equal 100%)***

| | |
|---|---|
| Pediatrics (0-21 years of age) | |
| Adults (22-59 years of age) | |
| Geriatrics (60 years of age to end of life) | |

### 5.2 In the past year, what percentage of patients/clients have you provided physical therapy services for in the following sex groups? ***(total must equal 100%)***

| | |
|---|---|
| Male | |
| Female | |
| Ambiguous | |

## 5.3 Please indicate your referral sources by percentage below. ***(total must equal 100%)***

| | |
|---|---|
| Autonomous practice/self-referral | |
| Chiropractors | |
| Family practice physicians or other physician primary care providers | |
| Physician specialists (e.g. geriatrics physician) | |
| Physician assistants | |
| Podiatrist | |
| Nurse practitioners | |
| Other | |

## 5.3.1 If you entered information for "Other" above, please list a different referral source and percentage.

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## PART 6 MEDICAL CONDITIONS / 6.1 NERVOUS SYSTEM

**Part 6 - Medical Conditions**

The curriculum of all accredited orthopaedic spine fellowship programs must include a variety of medical conditions specific to orthopaedic spine.

This section addresses your clinicial practice as an orthopaedic spine clinician.

Your answers should reflect what you believe to be "orthopaedic spine subspecialty clinical practice" – i.e. practice that requires advanced knowledge and skill for efficient, effective performance, resulting in optimal patient/client care outcomes.

You are asked to rate each item in Part 2 on the following 3 scales:

**Frequency** - How frequently does the orthopaedic spine clinical subspecialist perform this activity?
0 - Never;
1 - Less than once a month;
2 - Monthly;
3 - Weekly;
4 - Daily

**Importance** - Regardless of the frequency of occurrence, how important is this activity in everyday practice as an orthopaedic spine clinical subspecialist?
0 – Not important;
1 – Of little importance;
2 – Moderately important;
3 – Very important

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?
0 - Advanced beginner level;
1 - Competent skill level;
2 - Proficient skill level;
3 - Expert skill level

Level of Master Definitions - Please keep the following definitions for the skill levels indicated in the Level of Mastery scale in mind when completing the survey:
***Advanced beginner level***: Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.
***Competent skill level***: Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.
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**6.1 NERVOUS SYSTEM**

## 6.1.1 Cervical Radiculopathy.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.1.2 Lumbar Radiculopathy.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.1.3 Thoracic Outlet Syndrome.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.1.4 Other peripheral neural impingements (not including thoracic outlet syndrome; e.g., double crush syndrome, other neurodynamic disorders).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.1.5 Meralgia paresthetica.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.1.6 Cervical Myelopathy.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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## 6.2 MUSCULOSKELETAL SYSTEM

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

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**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

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**6.2 MUSCULOSKELETAL SYSTEM**

### 6.2.1 Cervical Disc Pathologies (e.g., DDD, protrusion, herniation).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

### 6.2.2 Cervical Instability.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.3 Cervical Sprain/Strain.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.4 Cervicogenic Headache.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.5 Chronic Pain Syndromes (e.g., central sensitization and/or nociplastic pain, other persistent pain conditions).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.6 Other Disorders of Cervical Spine.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.7 Temporomandibular Dysfunction.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.8 Disorders of the Hip.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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# Spine Validation Practice Analysis Survey 2022

## 6.2 MUSCULOSKELETAL SYSTEM, CONT.

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

***Advanced beginner skill level.*** Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of a clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.

***Competent skill level.*** Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.

***Proficient skill level.*** Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.

***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**6.2 MUSCULOSKELETAL SYSTEM, CONT.**

## 6.2.9 Lumbar Disc Pathologies (e.g., DDD, protrusion, herniation).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.10 Lumbar Instability.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.11 Lumbar Spondylosis / Spondylolisthesis.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.12 Lumbar Strain.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.13 Other Disorders of the Lumbar Spine.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.14 Piriformis Syndrome.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.15 Sacroiliac Dysfunction.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.16 Other Disorders of the Pelvic Girdle.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.17 Inflammatory Conditions (spondyloarthropathies such as ankylosing spondylitis, RA, etc.).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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# Spine Validation Practice Analysis Survey 2022

## 6.2 MUSCULOSKELETAL SYSTEM, CONT.

**Frequency** - How frequently does the clinical subspecialist in orthopaedic spine perform this activity?

**Importance** - Regardless of the frequency of occurrence, how important is activity in the everyday practice as a clinical subspecialist in orthopaedic spine?

**Level of Mastery** - Level of Mastery refers to the level of skill at which a physical therapist performs during the management of orthopaedic spine patients/clients. What skill level would an orthopaedic spine subspecialist demonstrate while performing this activity?

Level of Mastery Definitions

***Advanced beginner skill level.*** Physical therapists at this level demonstrate acceptable performance but are not able to identify what is most important. They have little or no perception of recurrent meaningful aspects of a clinical or administrative situations. Their efficiency is marginal. They rely on rules and guidelines to understand the situation. Clinical decision-making is labor-intensive.

***Competent skill level.*** Physical therapists at this level have the ability to identify the important aspects of a situation, prioritize them and make a plan that improves efficiency. The PT's have a conscious clinical awareness and perceive that their actions have meaning and purpose. Their efficiency is moderate and flexibility is beginning to develop.

***Proficient skill level.*** Physical therapists at this level perceive each situation as a whole rather than parts. Performance is guided by clinical experience and data. These PT's have learned what to expect in a variety of clinical situations. Their perspective is presented by the situation, related to past experience and recent events. Decision-making has become more fluid.

***Expert skill level.*** Physical therapists at this skill level demonstrate an intuitive grasp of the situation and zero in on the problem without wasting time. They are able to manage complex clinical situations without difficulty. Performance is flexible, fluid and efficient. Clinical decision-making is rapid and accurate.

**6.2 MUSCULOSKELETAL SYSTEM, CONT.**

## 6.2.18 Rib Dysfunction.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.19 Thoracic Sprain/Strain.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.20 Thoracic Disc Pathologies (e.g., thoracic disc herniation, thoracic radiculopathy).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.21 Other Disorders of the Thoracic Spine.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.22 Curvature of the spine (e.g., adolescent idiopathic scoliosis, congenital muscular scoliosis, pathologic scoliosis, adult idiopathic scoliosis, degenerative scoliosis, kyphosis, lordosis).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.23 Diastasis recti.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.24 Facet dysfunction (cervical, thoracic, lumbar).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.25 Operative procedure on spinal structure.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.26 Spinal stenosis.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.27 Oncological Disorders (e.g., tumor, spine metastases, etc.).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.28 Torticollis (e.g., atlanto axial rotary displacement, congenital muscular torticollis).

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.29 Klippel-Feil Syndrome.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

## 6.2.30 Scheuermann's Disease.

| | Frequency | Importance | Level of Mastery |
|---|---|---|---|
| **Choose answers from drop down menus.** | | | |

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# Spine Validation Practice Analysis Survey 2022

## PART 7 DEMOGRAPHIC INFORMATION

**Part 7 - DEMOGRAPHIC INFORMATION**

Please answer each item by selecting the option that most clearly describes you or your professional activities. Demographic information is collected for purposes of group analysis. Individual responses are confidential.

### 7.1 In which geographic region is the major portion of your practice?

### 7.2 What is your entry-level physical therapy education?

### 7.3 What is your highest earned academic degree in any area of study?

### 7.4 What is the total number of years you have been a practicing physical therapist?

### 7.5 What is the total number of years you have primarily practiced in Orthopaedic Spine physical therapy?

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## Spine Validation Practice Analysis Survey 2022

## PART 7: DEMOGRAPHIC INFORMATION, CONT.

**Part 7 - DEMOGRAPHIC INFORMATION, CONT.**

### 7.6 Please indicate any ABPTS board certifications you currently hold (select all that apply):

- [ ] Cardiovascular and Pulmonary
- [ ] Clinical Electrophysiology
- [ ] Geriatrics
- [ ] Neurology
- [ ] Oncology
- [ ] Orthopaedics
- [ ] Pediatrics
- [ ] Sports
- [ ] Women's Health
- [ ] Wound Management
- [ ] None of the above

## 7.7 Please indicate if you graduated from an ABPTRFE-accredited residency program in any of the following areas of specialty practice (select all that apply):

- [ ] Acute Care
- [ ] Cardiovascular and Pulmonary
- [ ] Clinical Electrophysiology
- [ ] Faculty
- [ ] Geriatrics
- [ ] Neurology
- [ ] Oncology
- [ ] Orthopaedics
- [ ] Pediatrics
- [ ] Sports
- [ ] Women's Health
- [ ] Wound Management
- [ ] None of the above

## 7.8 Please indicate if you graduated from an ABPTRFE-accredited fellowship program in any of the following areas of subspecialty practice (select all that apply):

- [ ] Critical Care
- [ ] Hand Therapy
- [ ] Higher Education Leadership
- [ ] Movement System
- [ ] Neonatology
- [ ] Orthopaedic Manual Physical Therapy
- [ ] Performing Arts
- [ ] Spine
- [ ] Sports Division 1
- [ ] Upper Extremity Athlete
- [ ] None of the above

## 7.9 Based on state law and facility policies, do you evaluate and/or treat patients/clients without a physician referral?

- ◯ Yes
- ◯ No

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# Spine Validation Practice Analysis Survey 2022

## PART 7: DEMOGRAPHIC INFORMATION, CONT.

**Part 7 - DEMOGRAPHIC INFORMATION, CONT.**

### 7.10 What is your current employment status at your primary position (35 or more hours per week is full-time)?

- ◯ Full-time salaried
- ◯ Part-time salaried
- ◯ Full-time self employed
- ◯ Part-time self employed
- ◯ Retired
- ◯ Unemployed/not seeking work
- ◯ Unemployed/seeking full-time employment
- ◯ Unemployed/seeking part-time employment
- ◯ Full-time hourly
- ◯ Part-time hourly

### 7.11 What educational method has had the MOST influence on developing your present level of clinical skills? ***(Check one category only)***

- ◯ Self-study (books, articles, videotapes, home study courses)
- ◯ In service, peer interaction
- ◯ Continuing education courses, workshops, seminars, study groups
- ◯ Mentoring
- ◯ Formal residency program
- ◯ Formal fellowship program
- ◯ Graduate program

## 7.12 Are you a member of the APTA?

- ◯ Yes
- ◯ No

## 7.13 Please indicate any APTA Section you are a member of (select all that apply):

- ☐ Acute Care
- ☐ Aquatics
- ☐ Cardiovascular and Pulmonary
- ☐ Clinical Electrophysiology and Wound Management
- ☐ Education
- ☐ Federal
- ☐ Geriatrics
- ☐ Hand and Upper Extremity
- ☐ Health Policy and Administration
- ☐ Home Health
- ☐ Neurology
- ☐ Oncology
- ☐ Orthopaedics
- ☐ Pediatrics
- ☐ Pelvic Health
- ☐ Private Practice
- ☐ Research
- ☐ Sports
- ☐ None of the above

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# Spine Validation Practice Analysis Survey 2022

## PART 7: DEMOGRAPHIC INFORMATION, CONT.

**Part 7 - DEMOGRAPHIC INFORMATION, CONT.**

### 7.14 What is your sex?

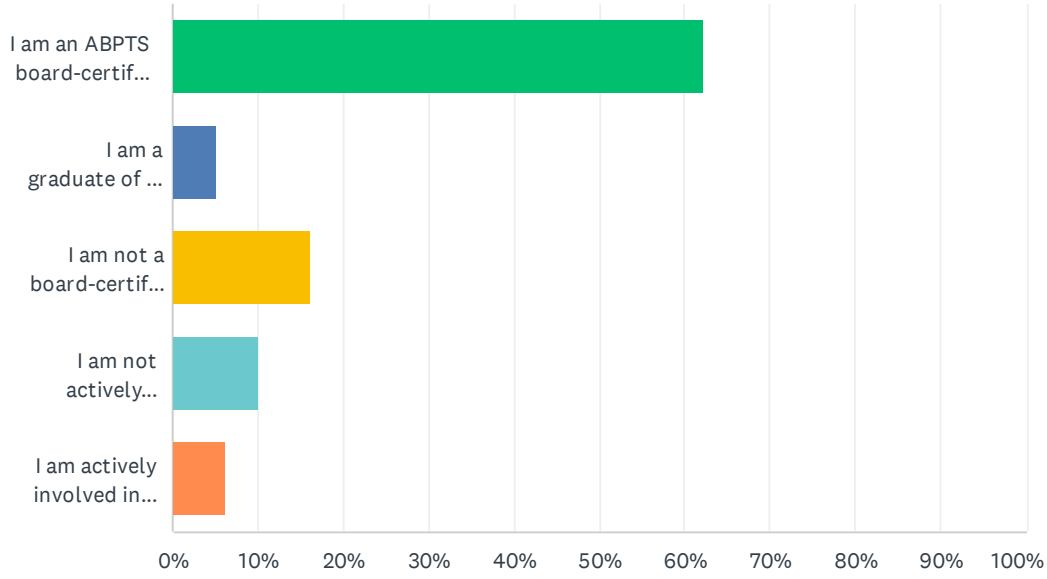
### 7.15 What is your age?

### 7.16 Which of the following best describes your race/ethnic origin?

- American Indian or Alaskan Native
- Asian
- African-American or Black (Not Hispanic)
- White (Not Hispanic)
- Hispanic/Latino
- Pacific Islander or Native Hawaiian
- Other

# Q1 Please select one of the following survey options:

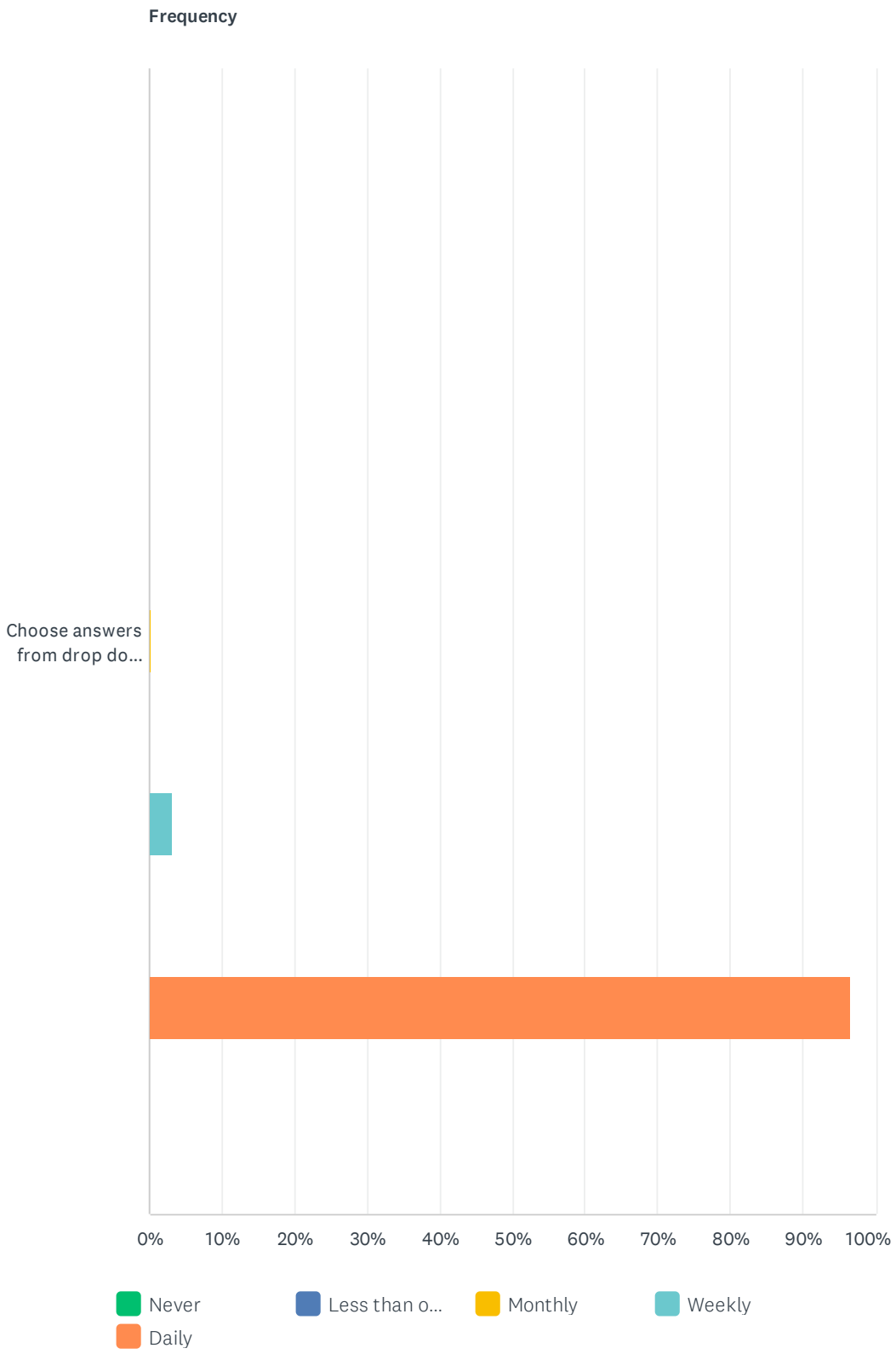
Answered: 1,210 Skipped: 0

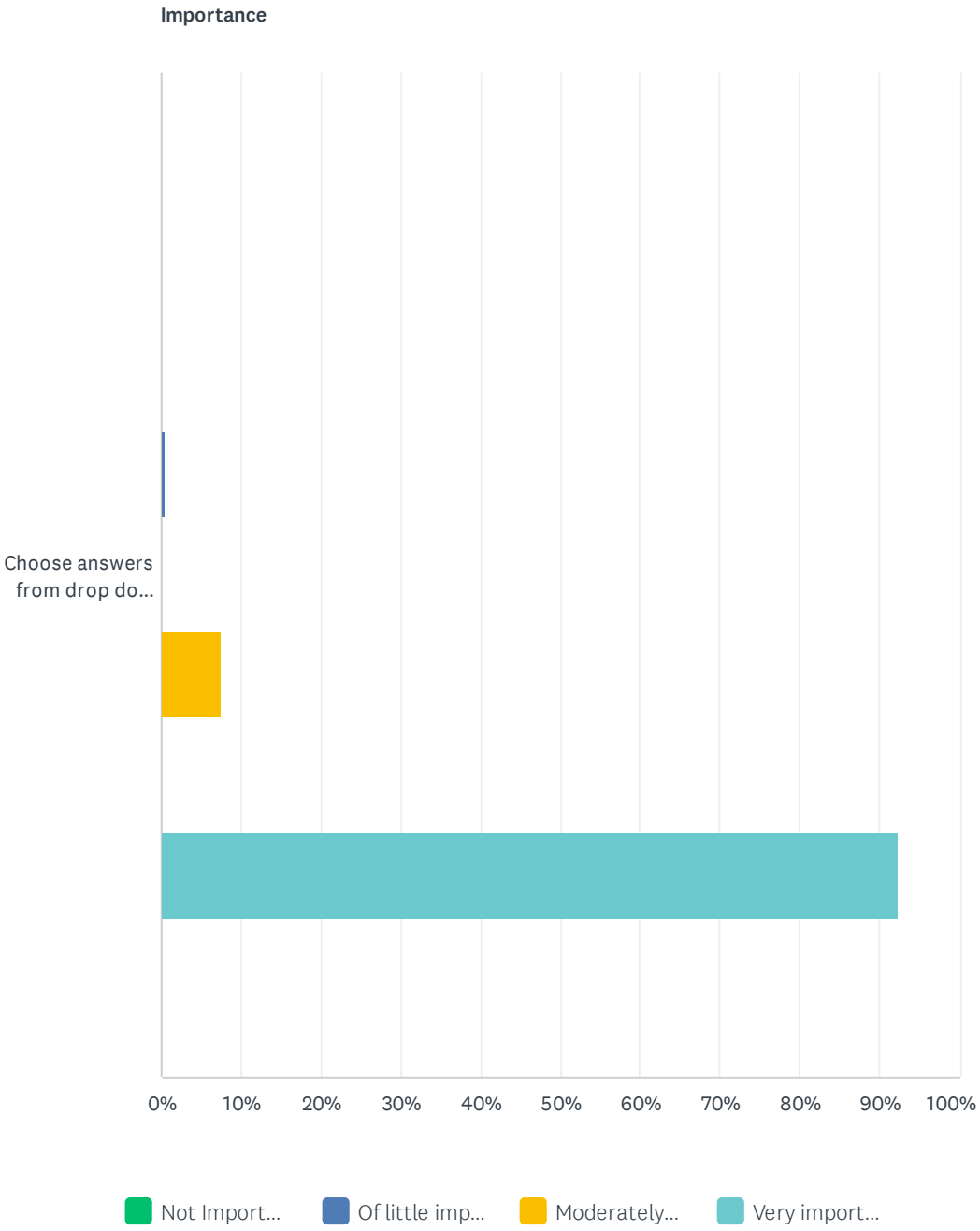



| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| I am an ABPTS board-certified clinical specialist in orthopaedic or sports physical therapy, and have practice a minimum of 1,000 hours in orthopaedic spine in the last two (2) years. | 62.31% | 754 |
| I am a graduate of an ABPTRFE-accredited orthopaedic or sports residency program, and have practice a minimum of 1,000 hours in orthopaedic spine in the last two (2) years. | 5.21% | 63 |
| I am not a board-certified clinical specialist, or residency graduate, in orthopaedic or sports physical therapy but I am a member of the APTA Academy of Orthopaedic Physical Therapy or Academy of Sports Physical Therapy and have a minimum of 5 years of experience of practice in orthopaedic spine, with at least 1,000 hours in the last two (2) years. | 16.28% | 197 |
| I am not actively involved in orthopaedic spine physical therapy practice and therefore I am not eligible to participate in this survey at this time. | 10.00% | 121 |
| I am actively involved in orthopaedic spine physical therapy practice at the "subspecialist" level, but am unable to participate in this survey at this time. | 6.20% | 75 |
| TOTAL | | 1,210 |

# Q2 1.1.1.1 Musculoskeletal system.

Answered: 641 Skipped: 569

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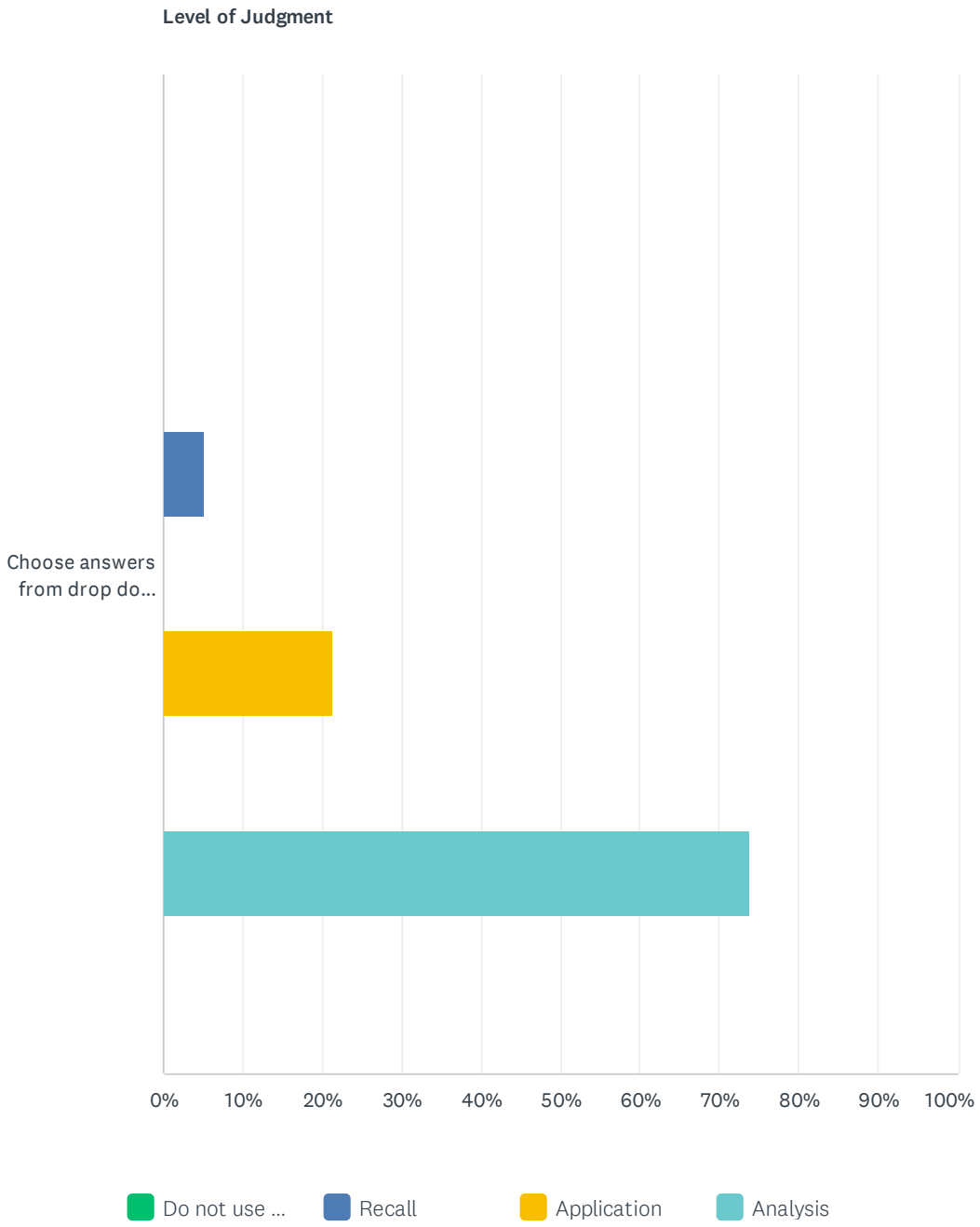


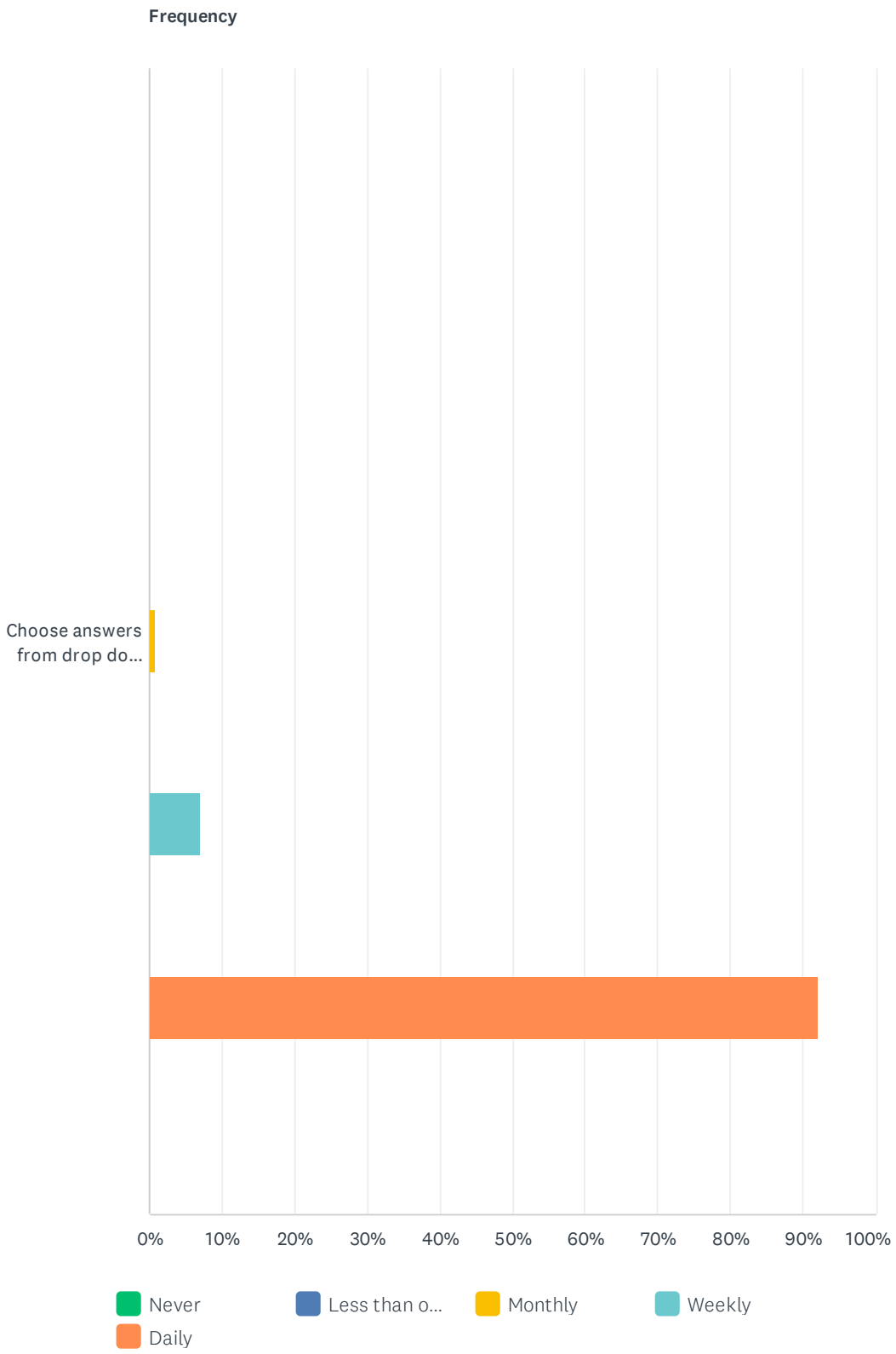

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 0.31%<br>2 | 3.13%<br>20 | 96.56%<br>618 | 640 |

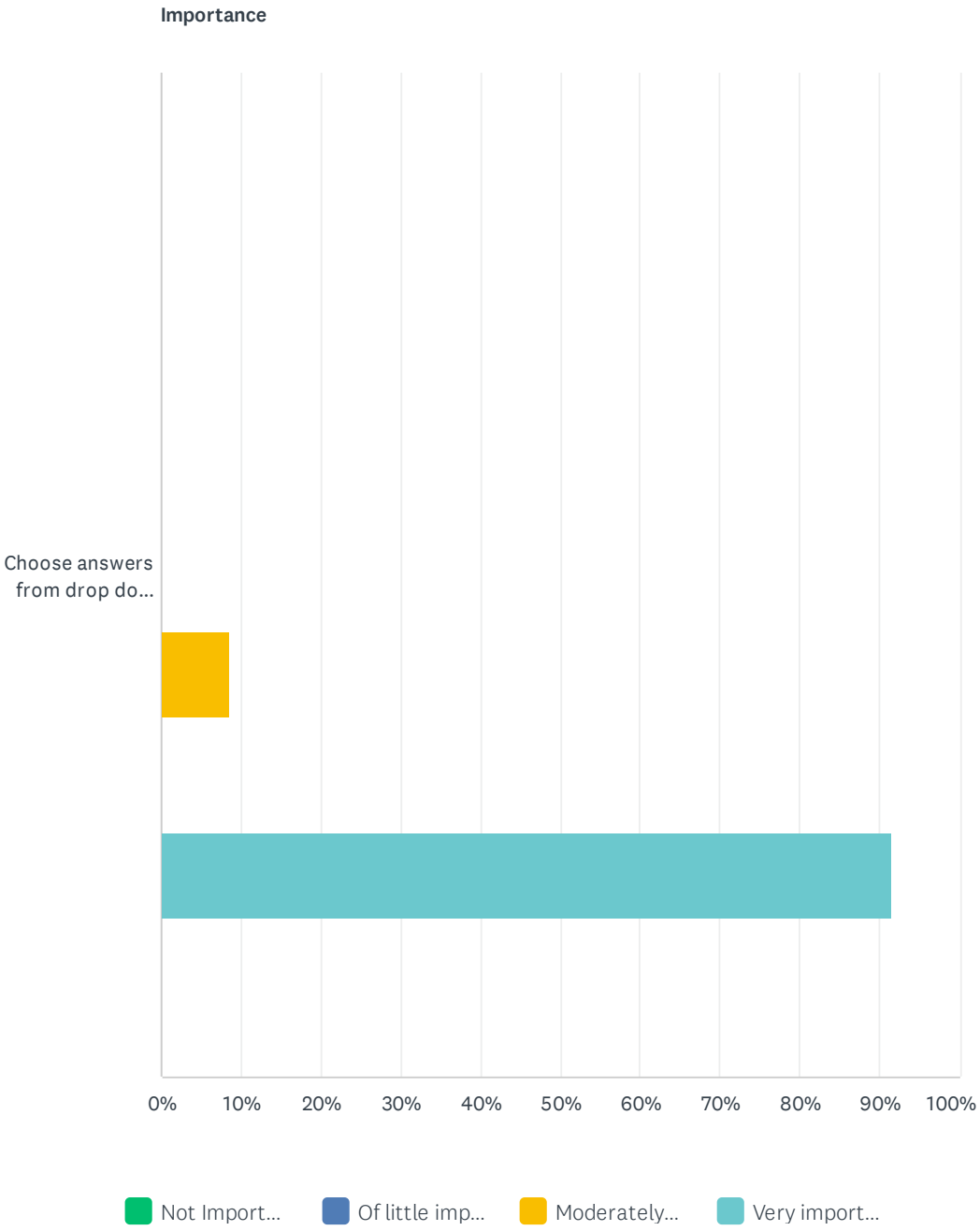
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.32%<br>2 | 7.42%<br>46 | 92.26%<br>572 | 620 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.00%<br>0 | 5.03%<br>30 | 21.27%<br>127 | 73.70%<br>440 | <br>597 |

# Q3 1.1.1.2 Neuromuscular system.

Answered: 635 Skipped: 575

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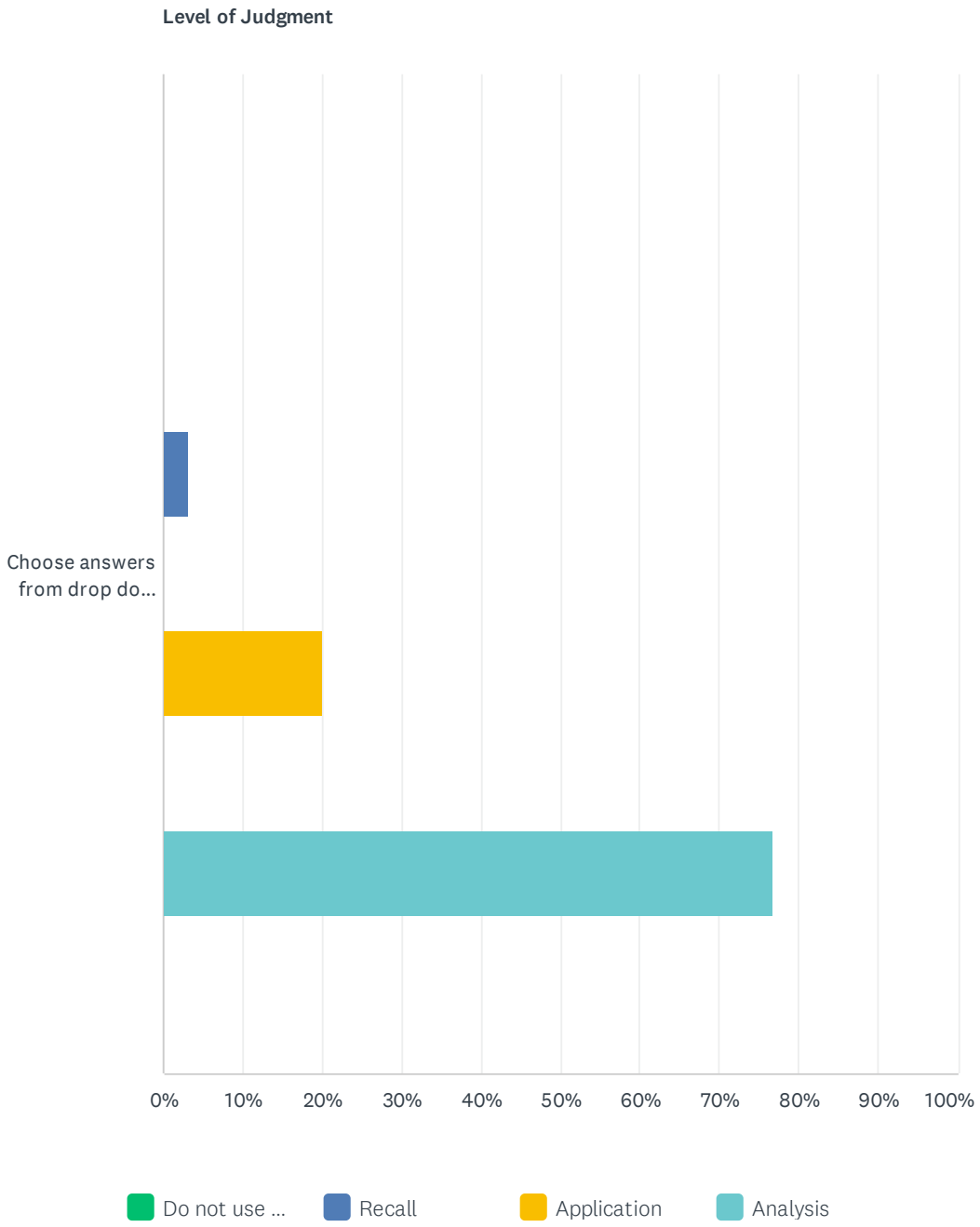


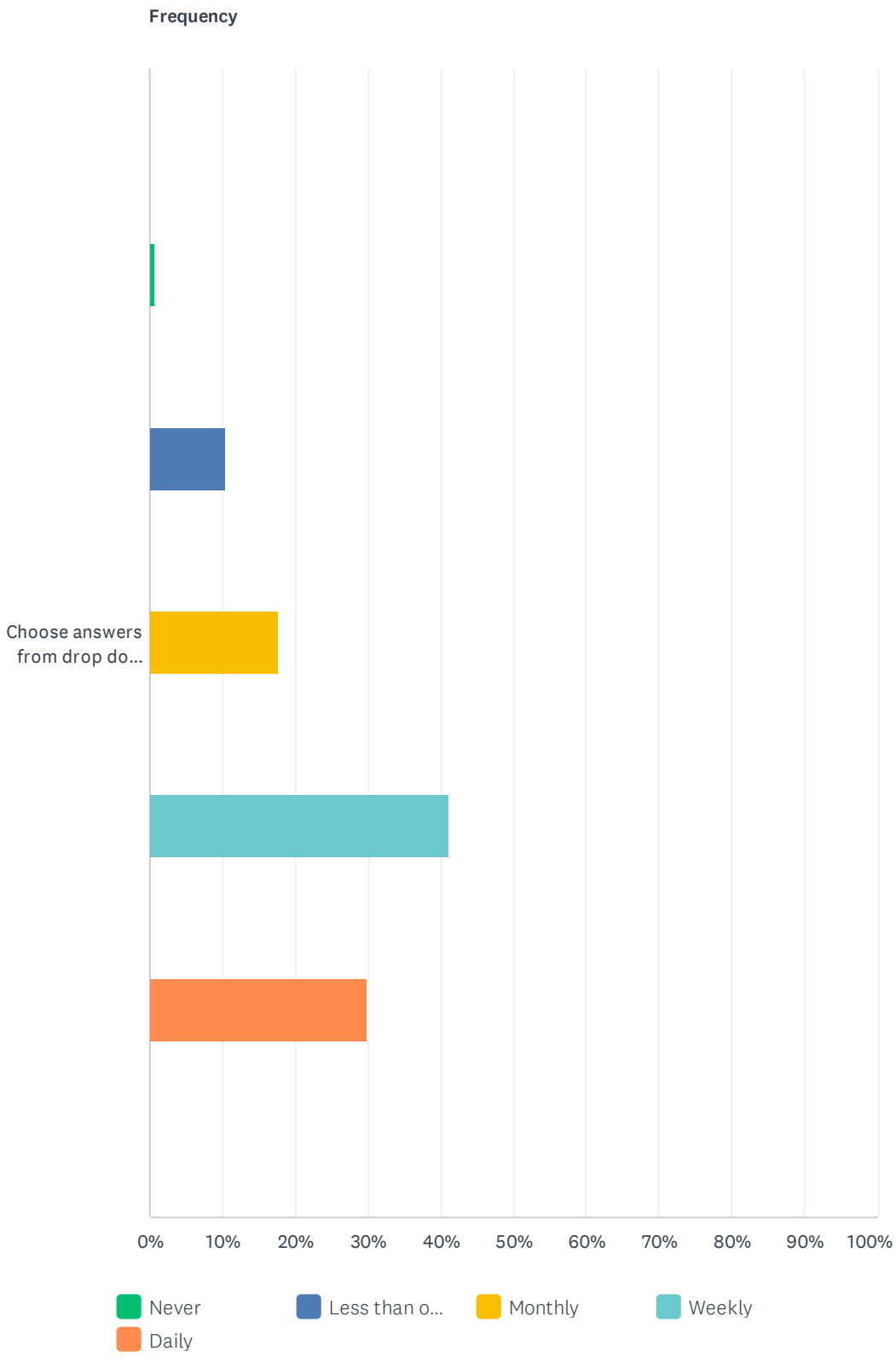

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 0.79%<br>5 | 7.09%<br>45 | 92.13%<br>585 | 635 |

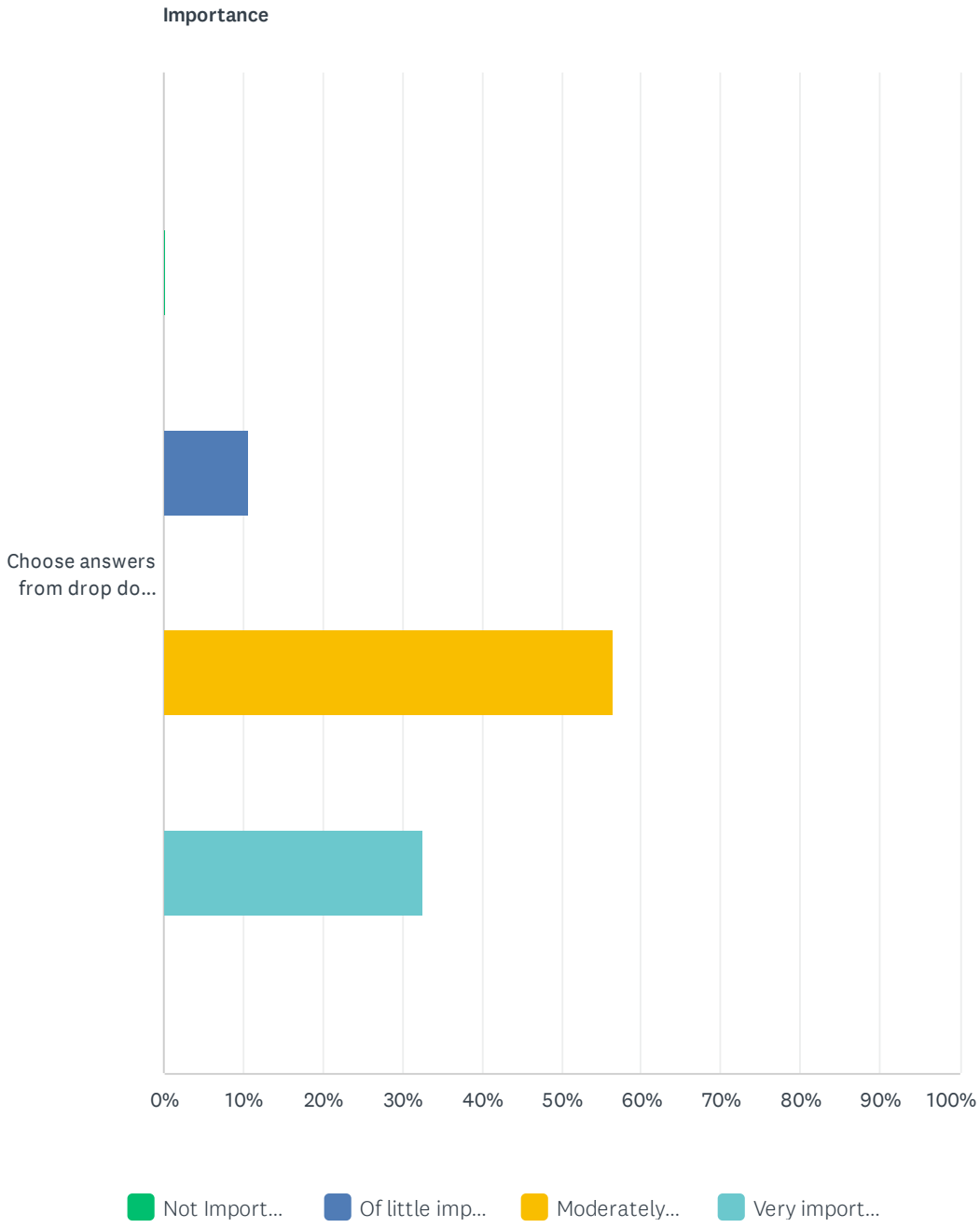
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 8.63%<br>53 | 91.37%<br>561 | 614 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.00%<br>0 | 3.21%<br>19 | 20.10%<br>119 | 76.69%<br>454 | <br>592 |

# Q4 1.1.1.3 Cardiovascular and pulmonary systems.

Answered: 636 Skipped: 574

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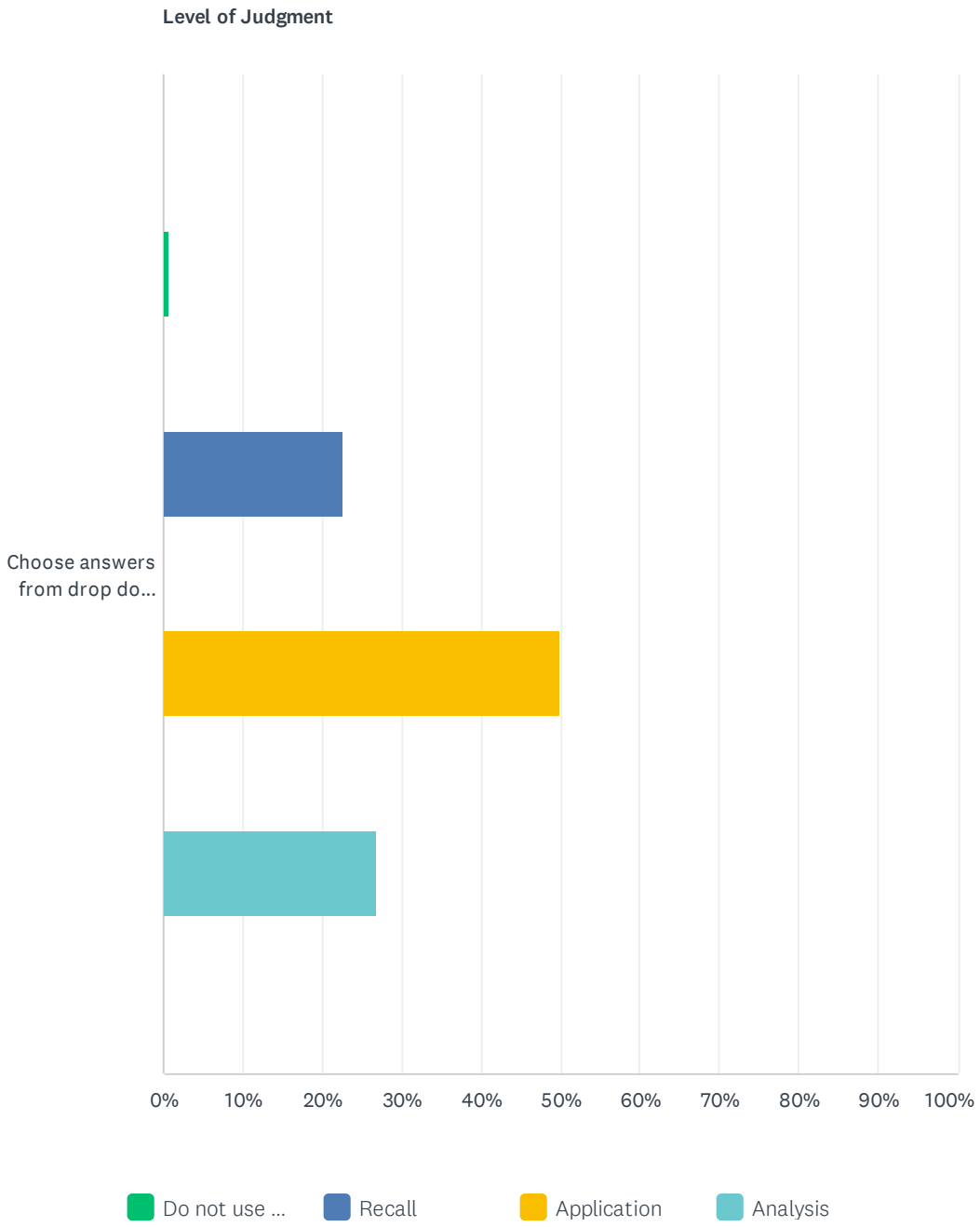


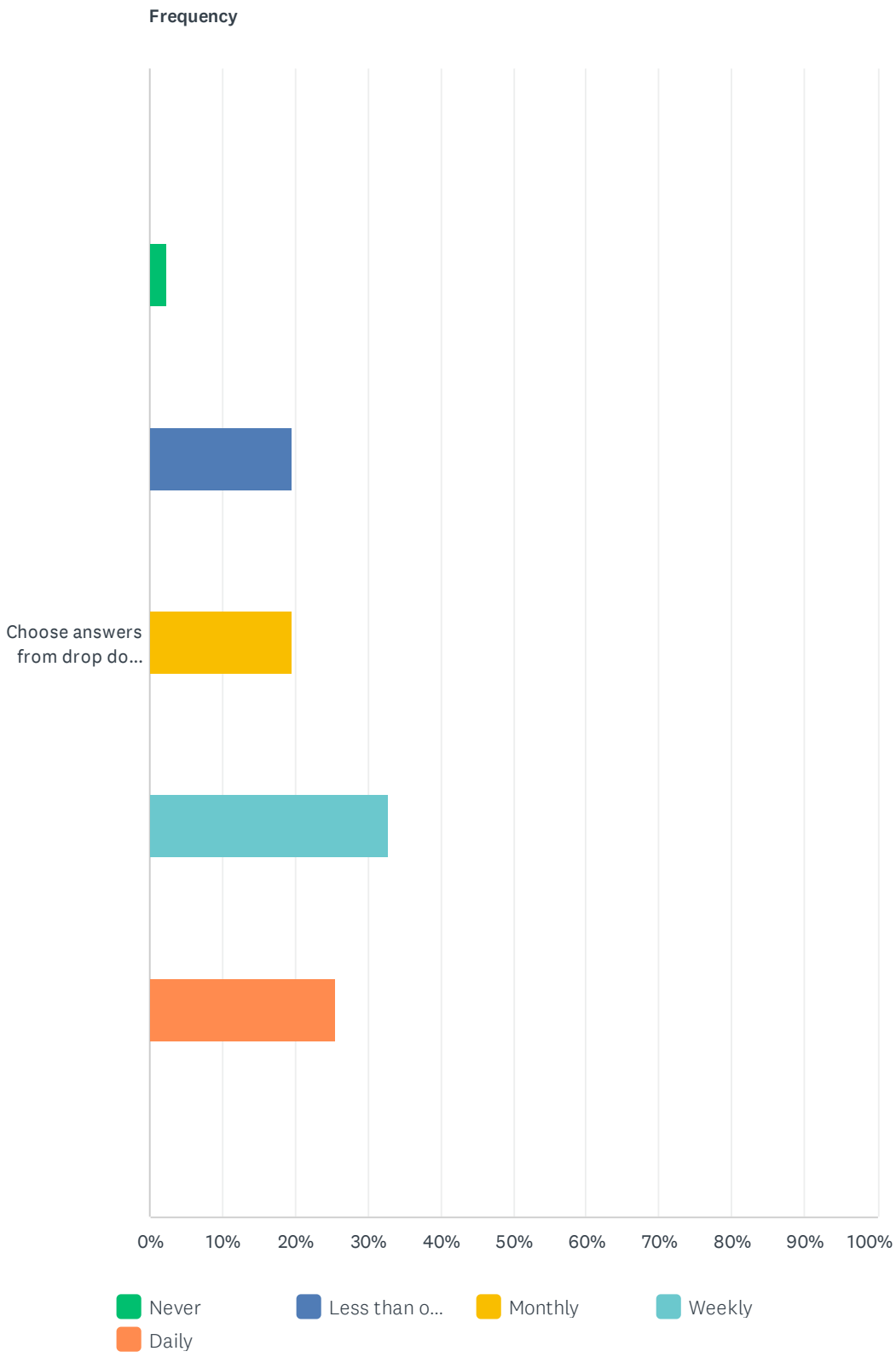

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.63%<br>4 | 10.53%<br>67 | 17.77%<br>113 | 41.19%<br>262 | 29.87%<br>190 | 636 |

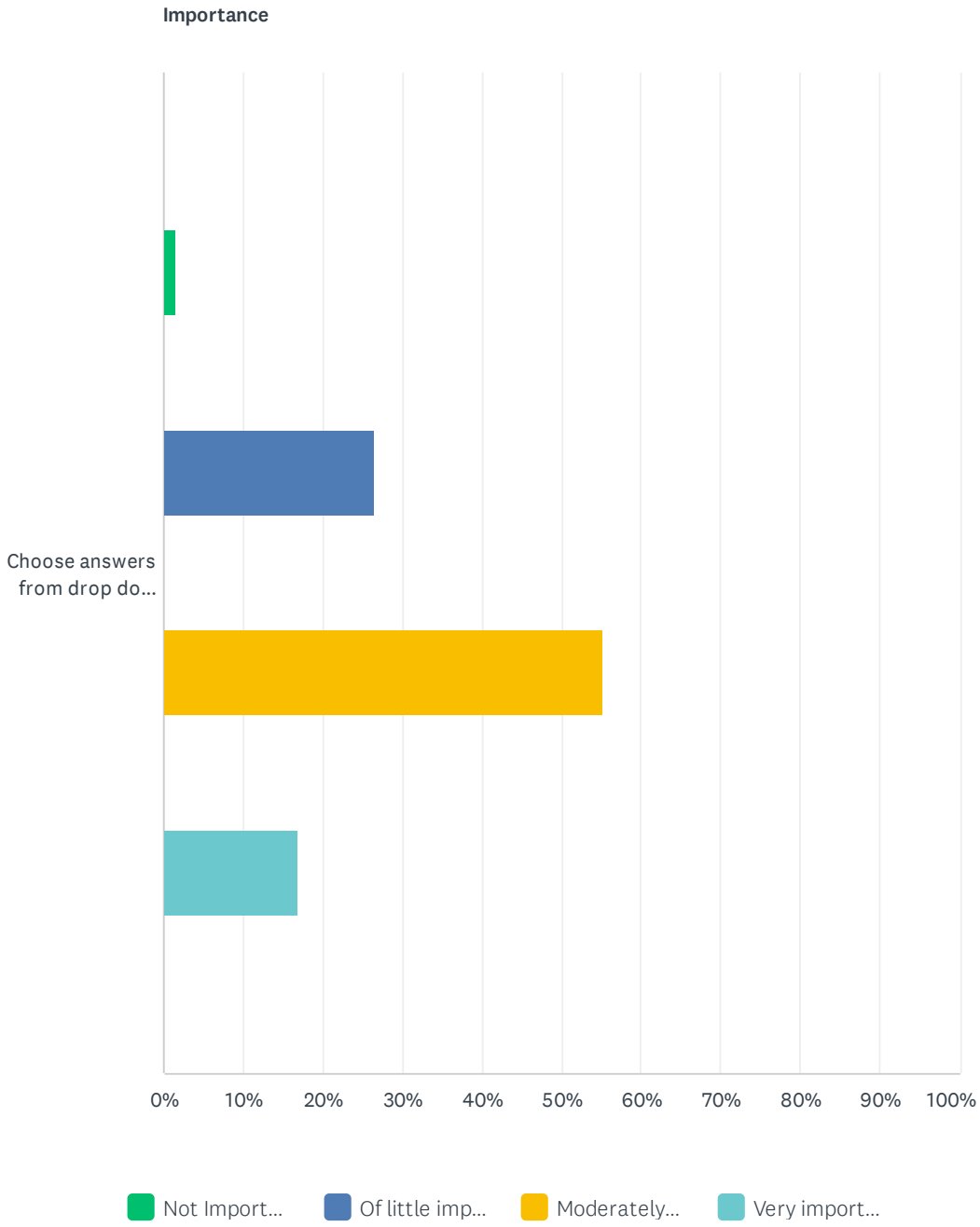
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.16%<br>1 | 10.73%<br>66 | 56.59%<br>348 | 32.52%<br>200 | 615 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.67%<br>4 | 22.60%<br>134 | 49.92%<br>296 | 26.81%<br>159 | <br>593 |

# Q5 1.1.1.4 Integumentary system.

Answered: 635 Skipped: 575

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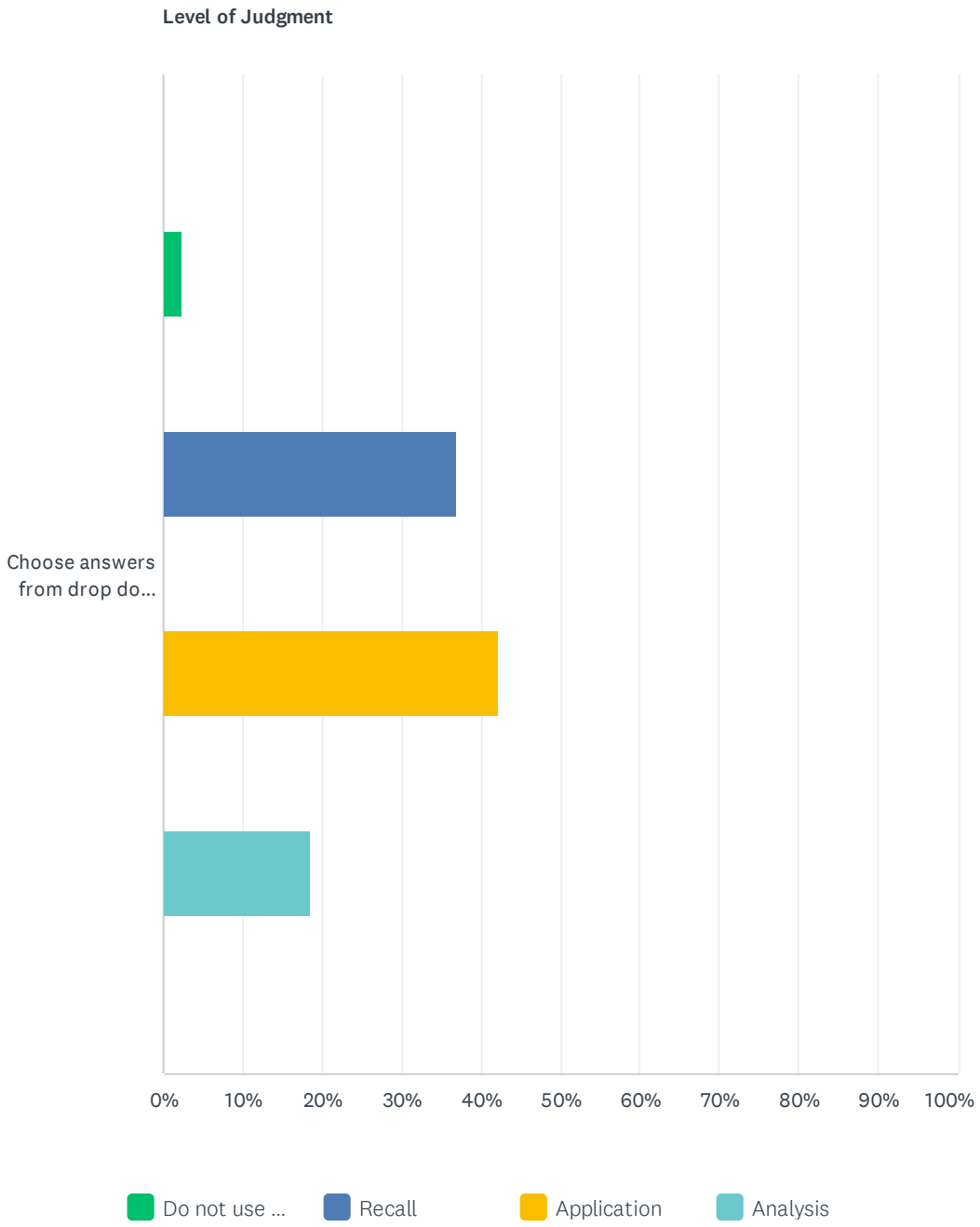


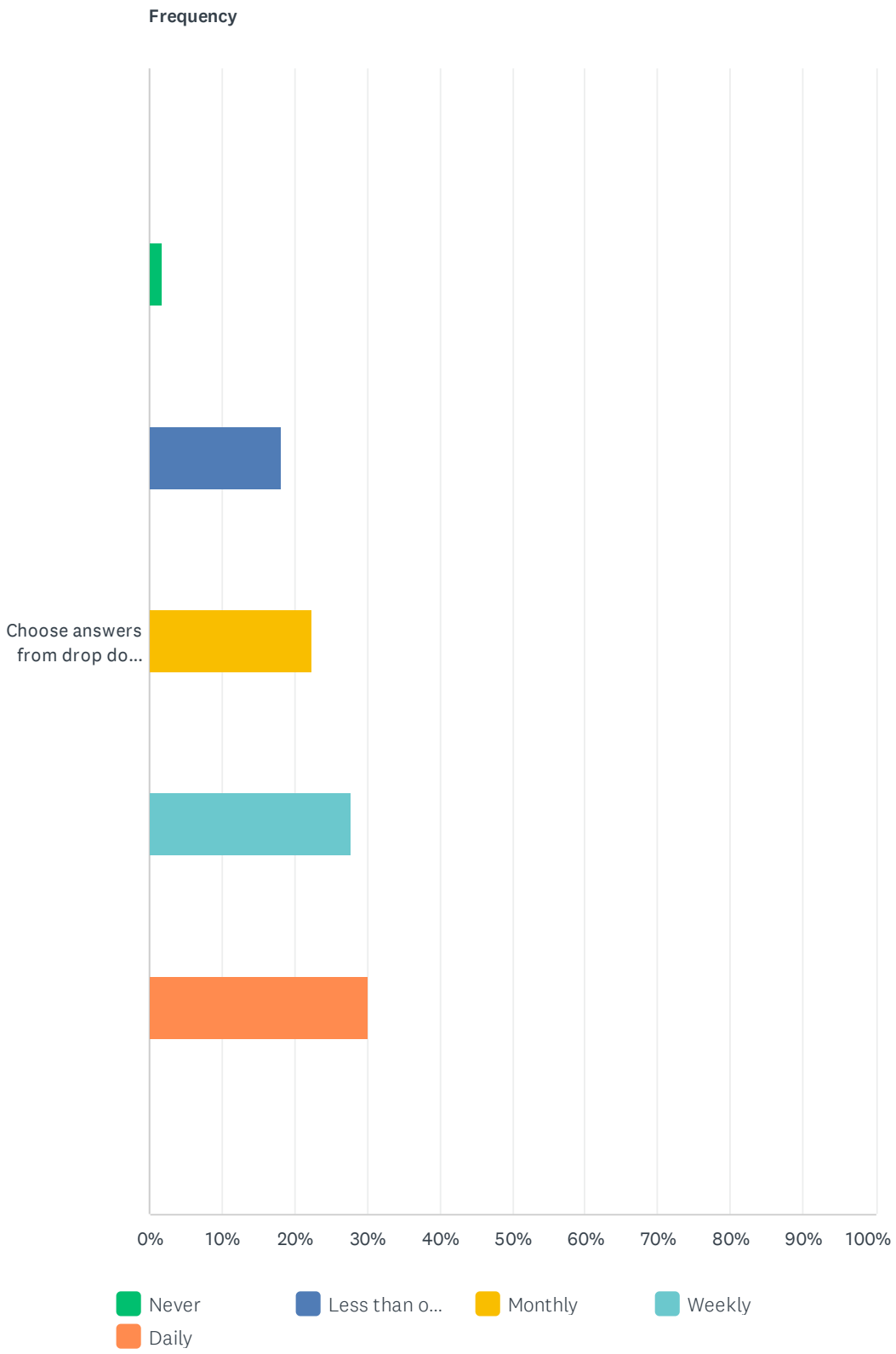

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 2.37%<br>15 | 19.72%<br>125 | 19.56%<br>124 | 32.81%<br>208 | 25.55%<br>162 | 634 |

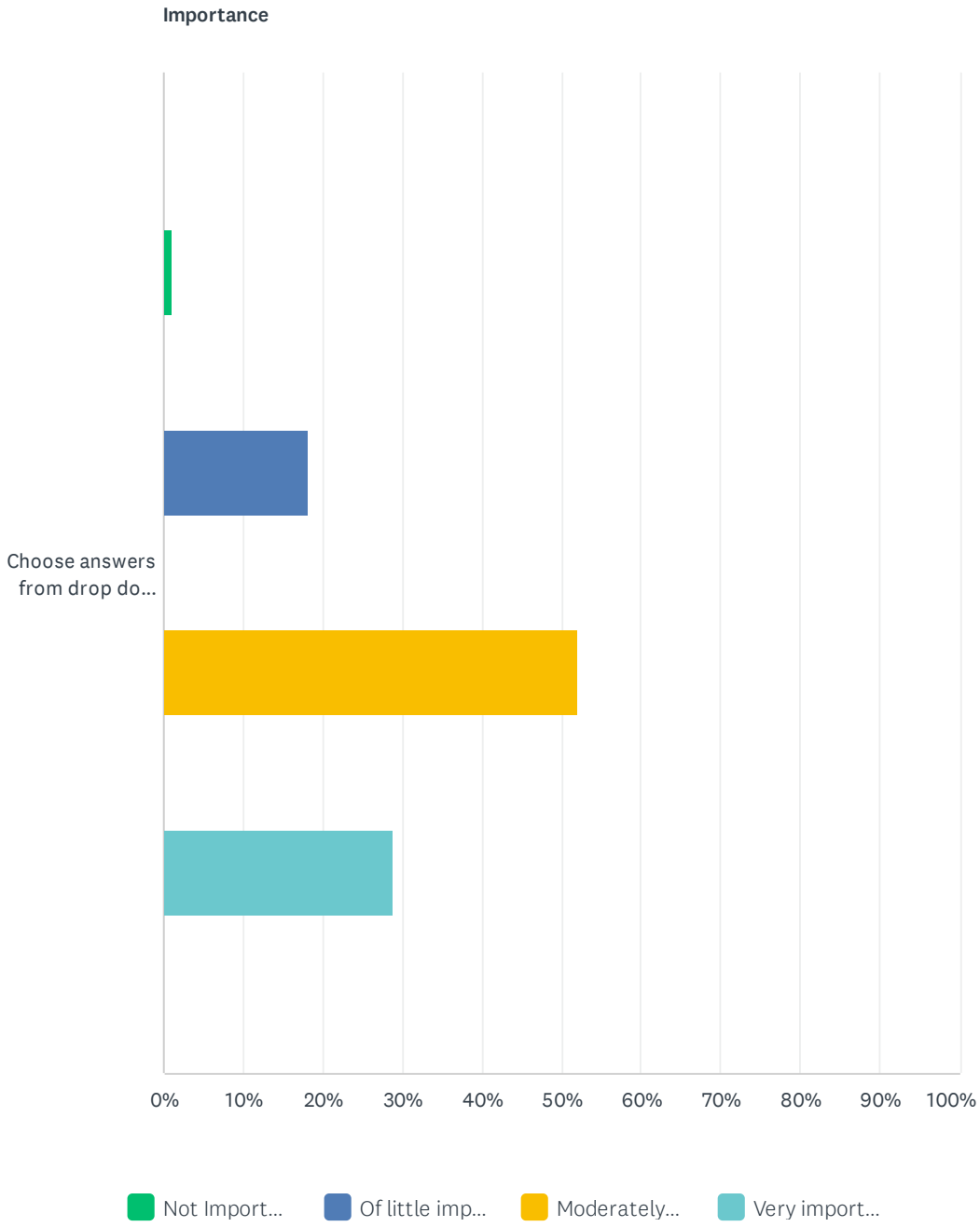
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.47%<br>9 | 26.43%<br>162 | 55.30%<br>339 | 16.80%<br>103 | 613 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 2.36%<br>14 | 36.82%<br>218 | 42.23%<br>250 | 18.58%<br>110 | <br>592 |

# Q6 1.1.1.5 Human growth and development across the lifespan.

Answered: 634 Skipped: 576

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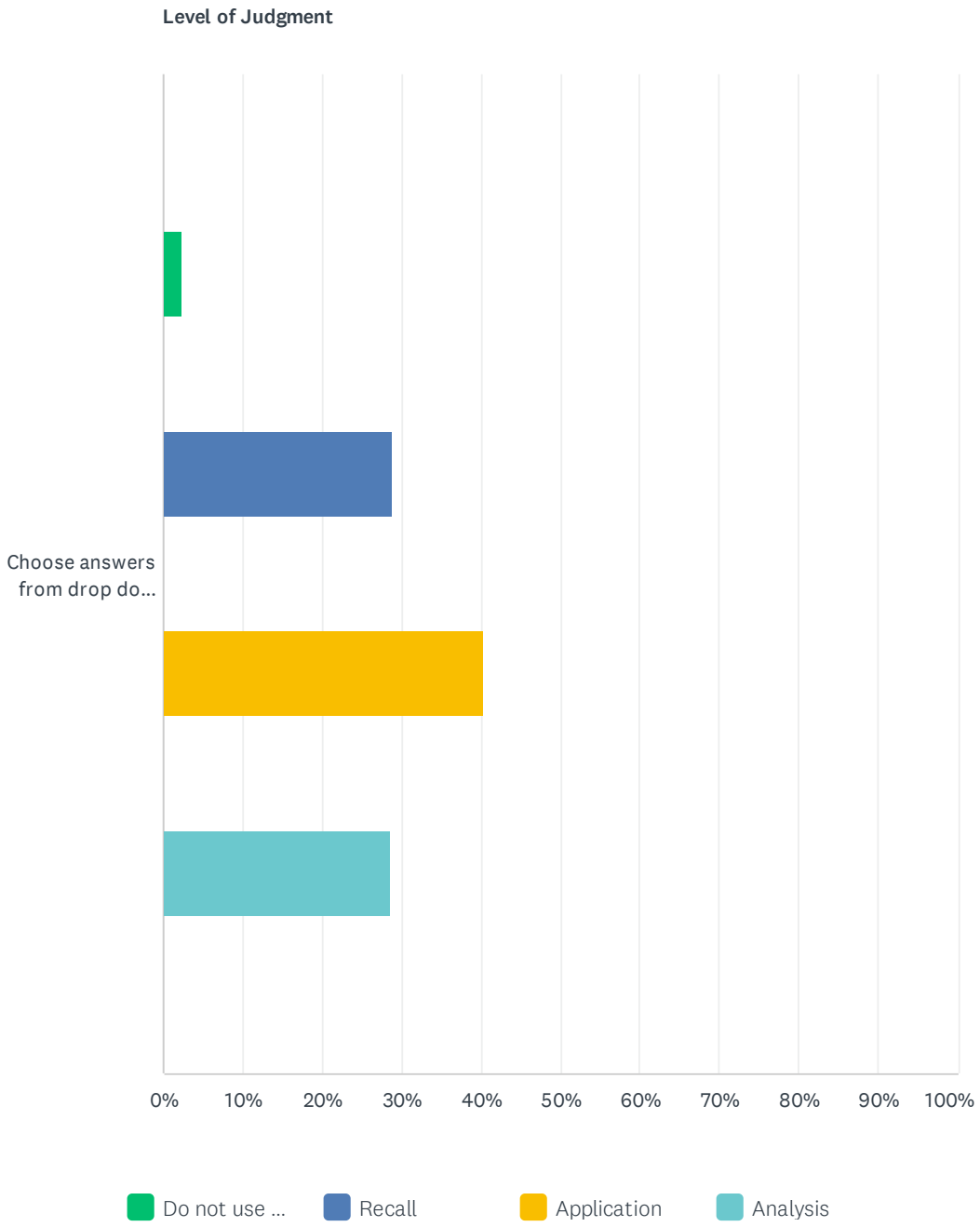


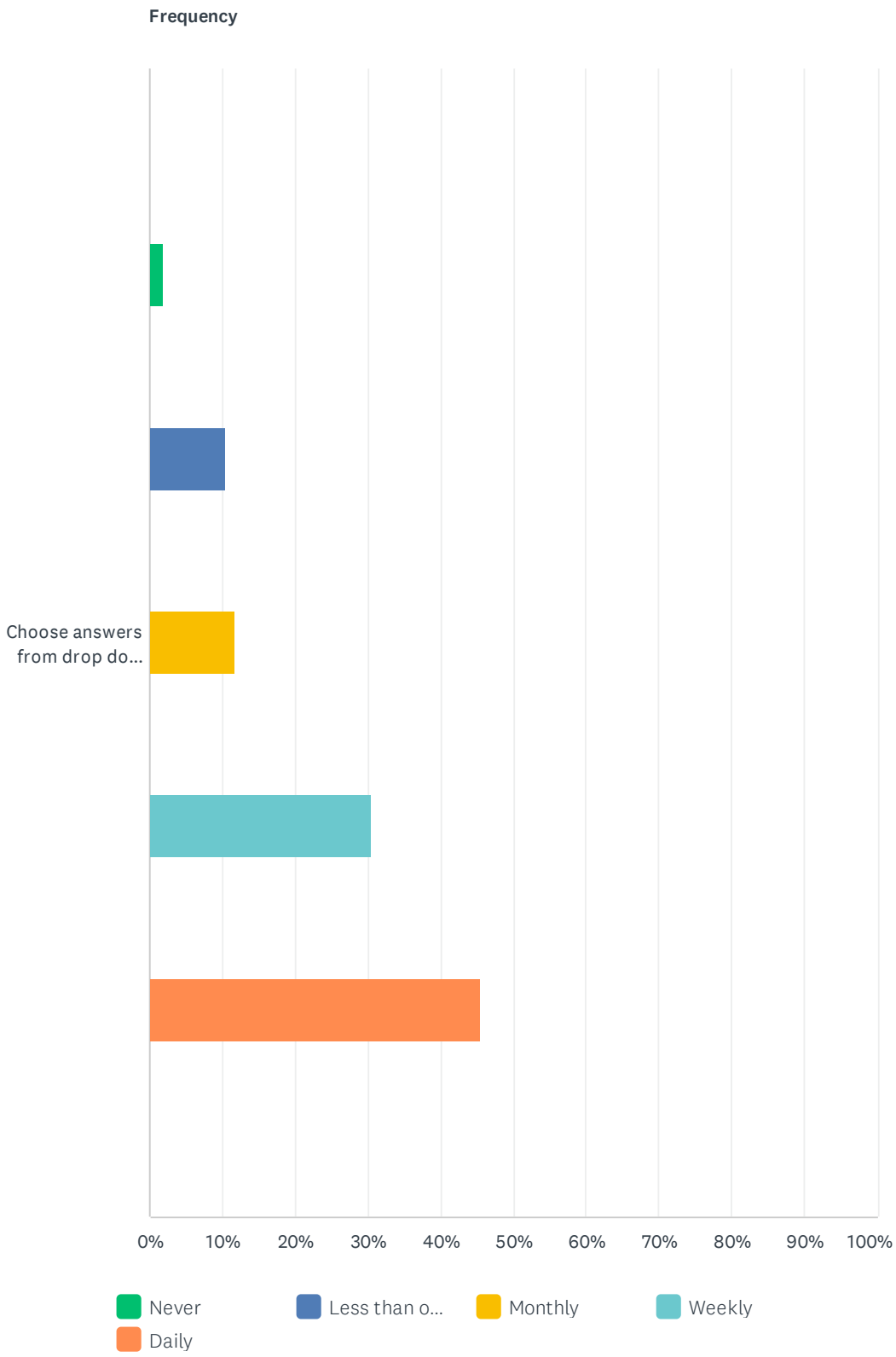

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.74%<br>11 | 18.14%<br>115 | 22.40%<br>142 | 27.76%<br>176 | 29.97%<br>190 | 634 |

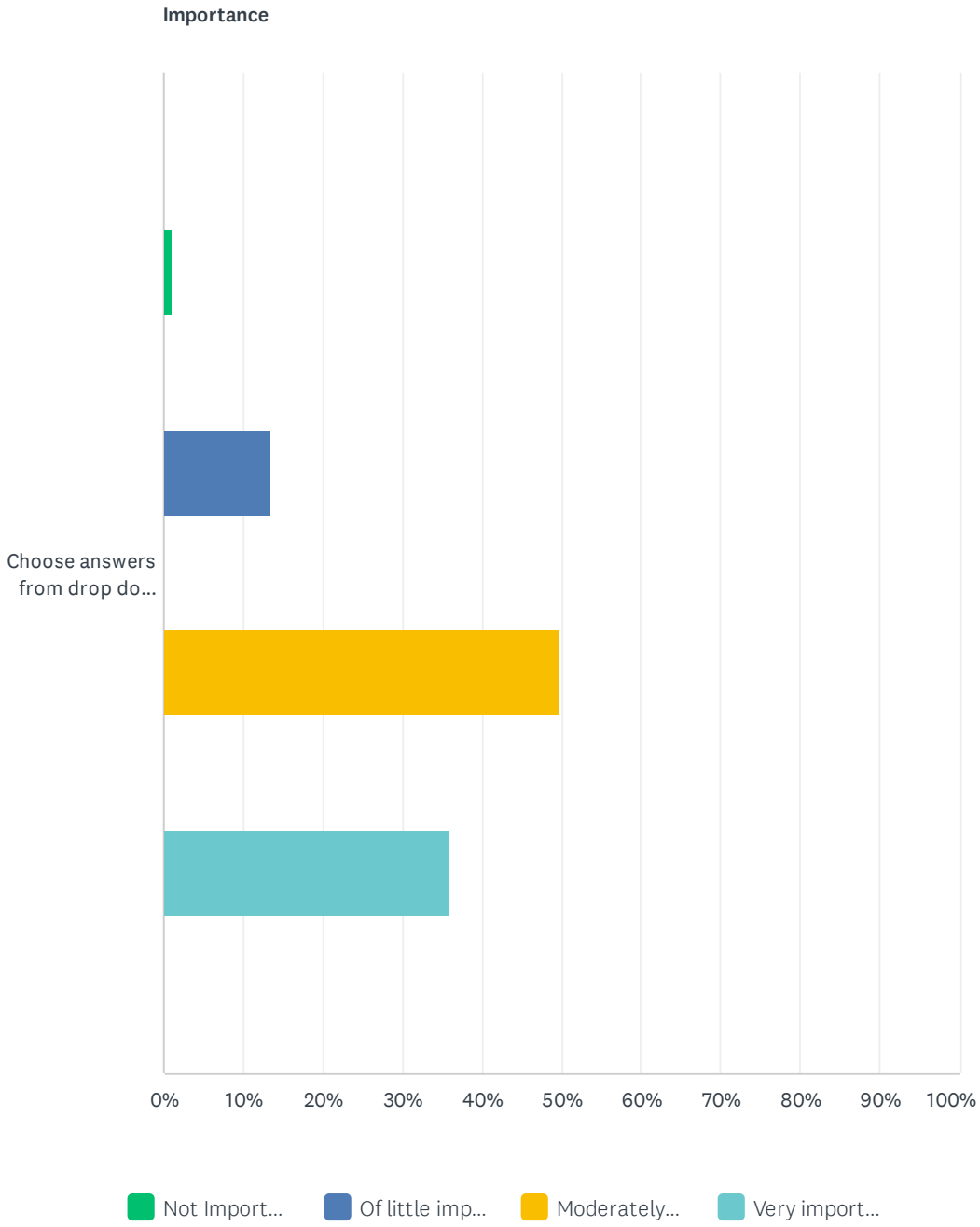
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.14%<br>7 | 18.11%<br>111 | 52.04%<br>319 | 28.71%<br>176 | 613 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 2.37%<br>14 | 28.76%<br>170 | 40.27%<br>238 | 28.60%<br>169 | <br>591 |

# Q7 1.1.1.6 Histology (e.g., connective tissue, muscle fiber type, immunity).

Answered: 632 Skipped: 578

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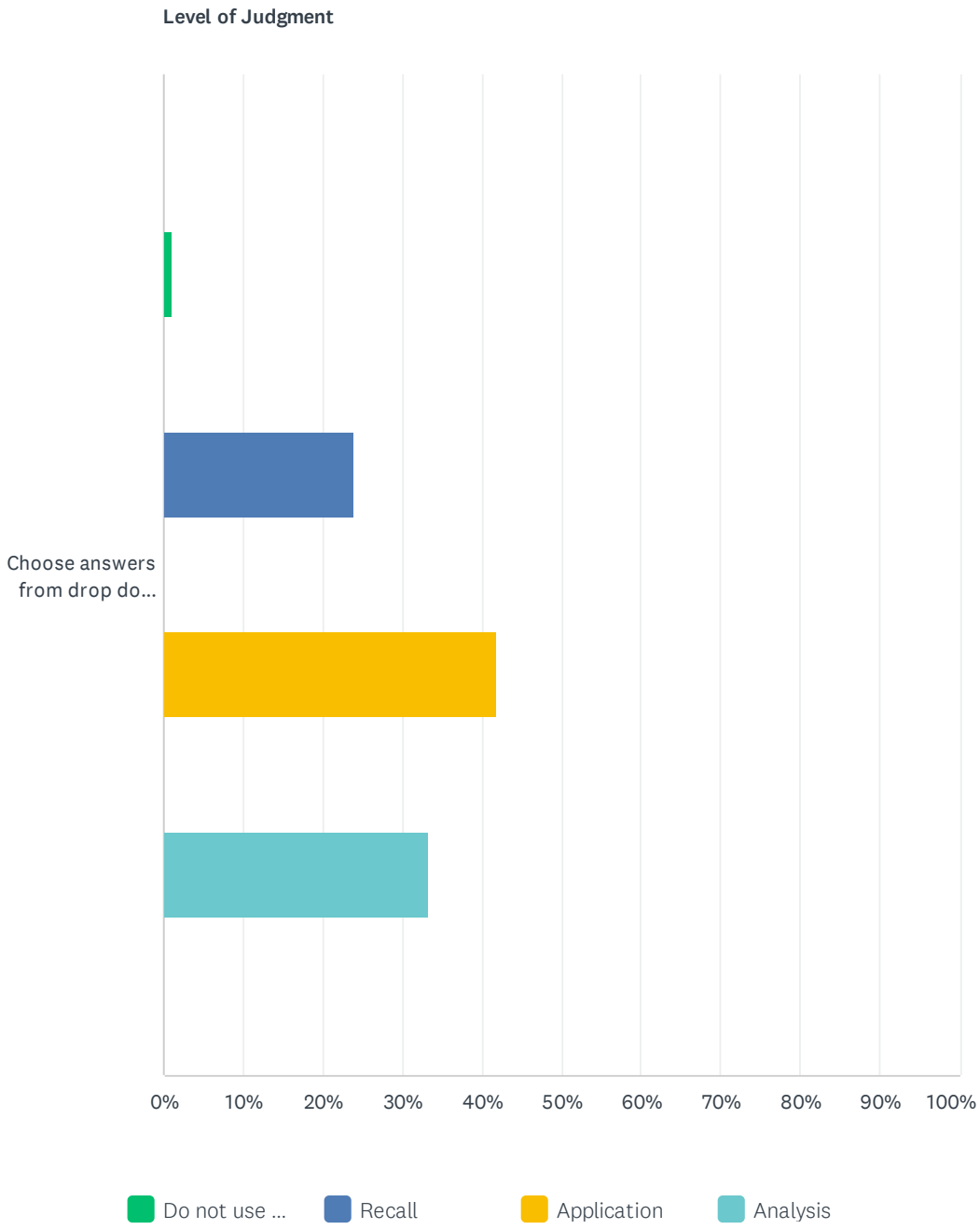


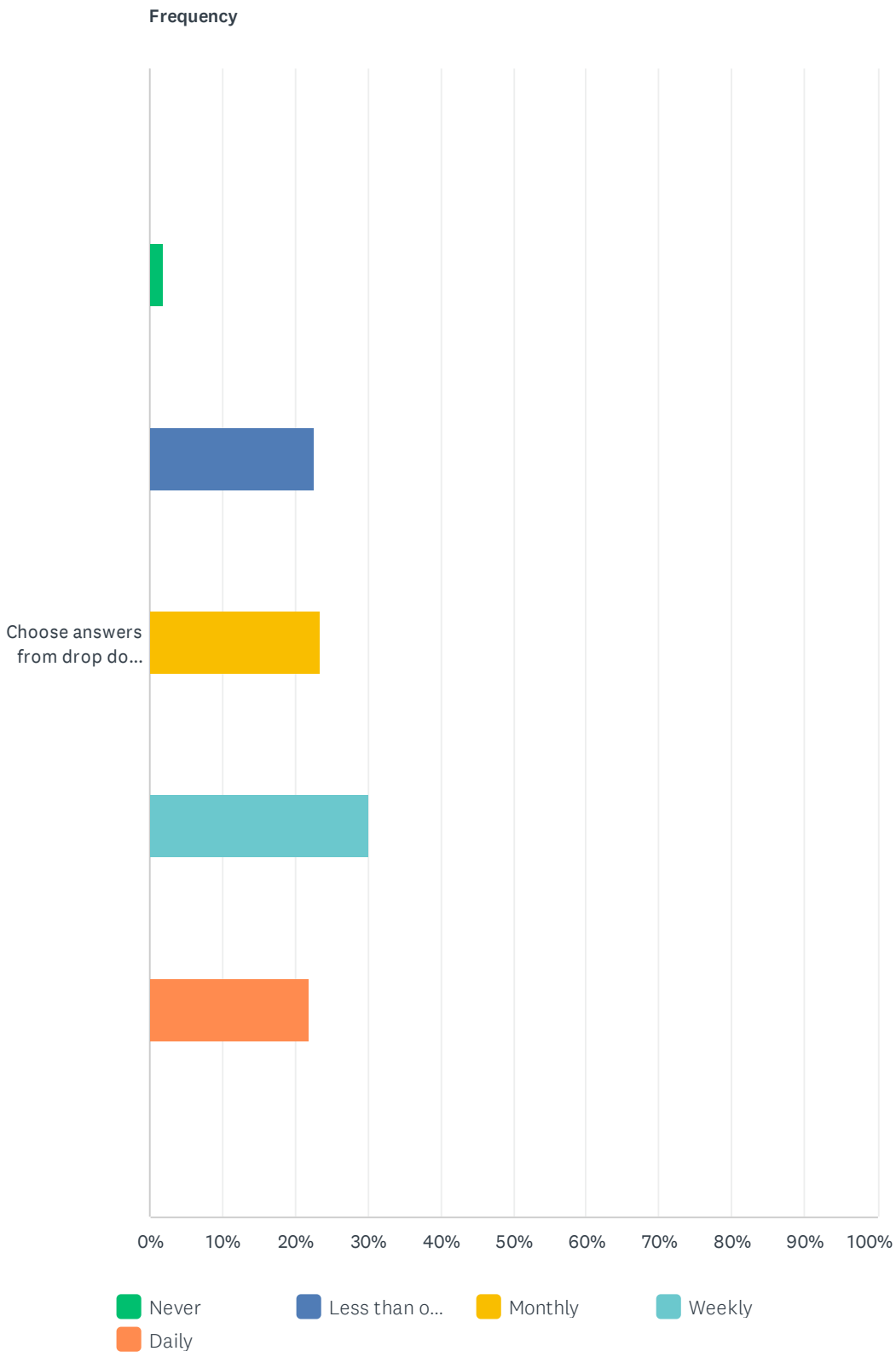

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.90%<br>12 | 10.46%<br>66 | 11.73%<br>74 | 30.59%<br>193 | 45.32%<br>286 | 631 |

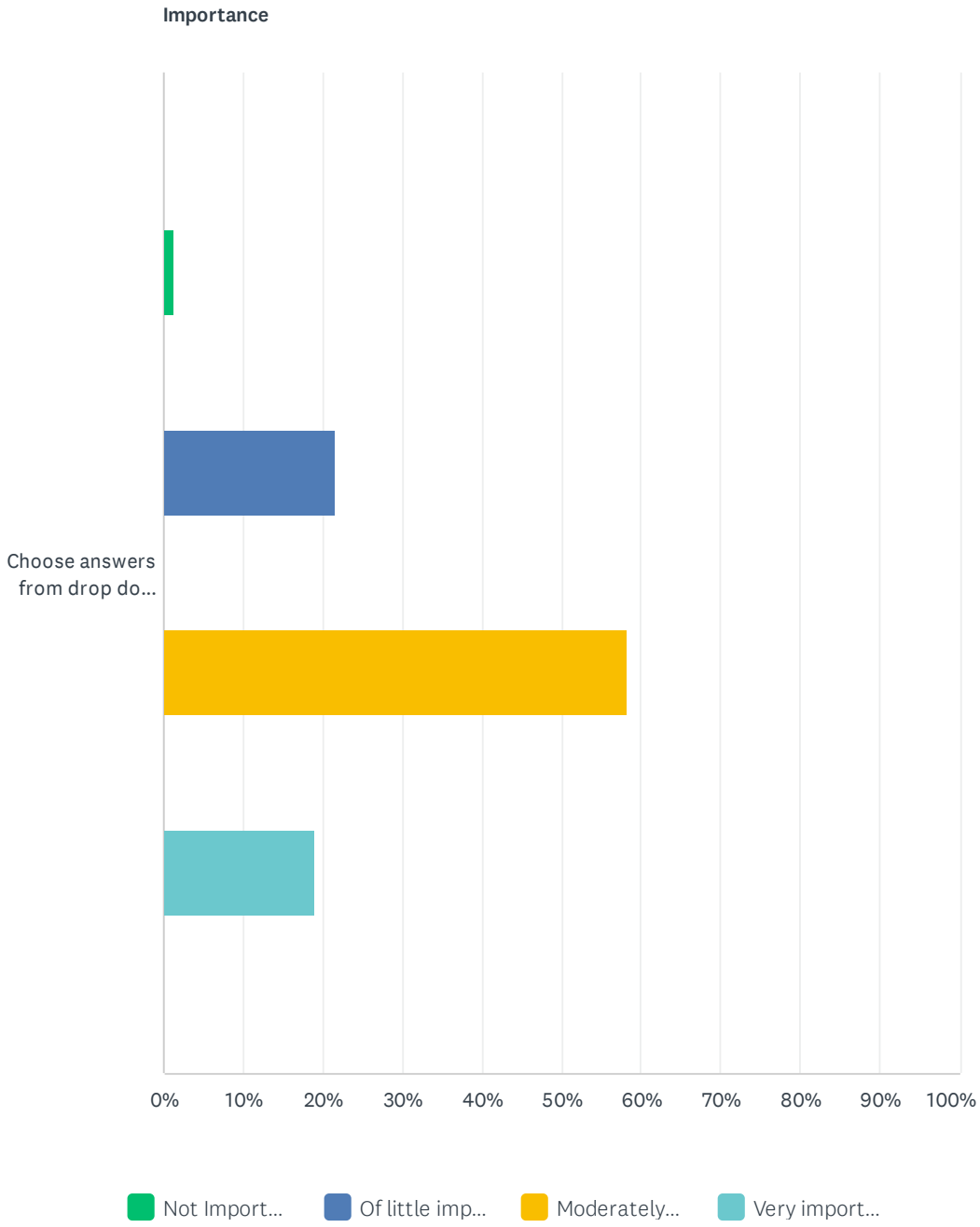
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.15%<br>7 | 13.46%<br>82 | 49.59%<br>302 | 35.80%<br>218 | 609 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 1.02%<br>6 | 23.94%<br>141 | 41.77%<br>246 | 33.28%<br>196 | <br>589 |

# Q8 1.1.1.7 Other systems (e.g., endocrine, digestive, genitourinary).

Answered: 634 Skipped: 576

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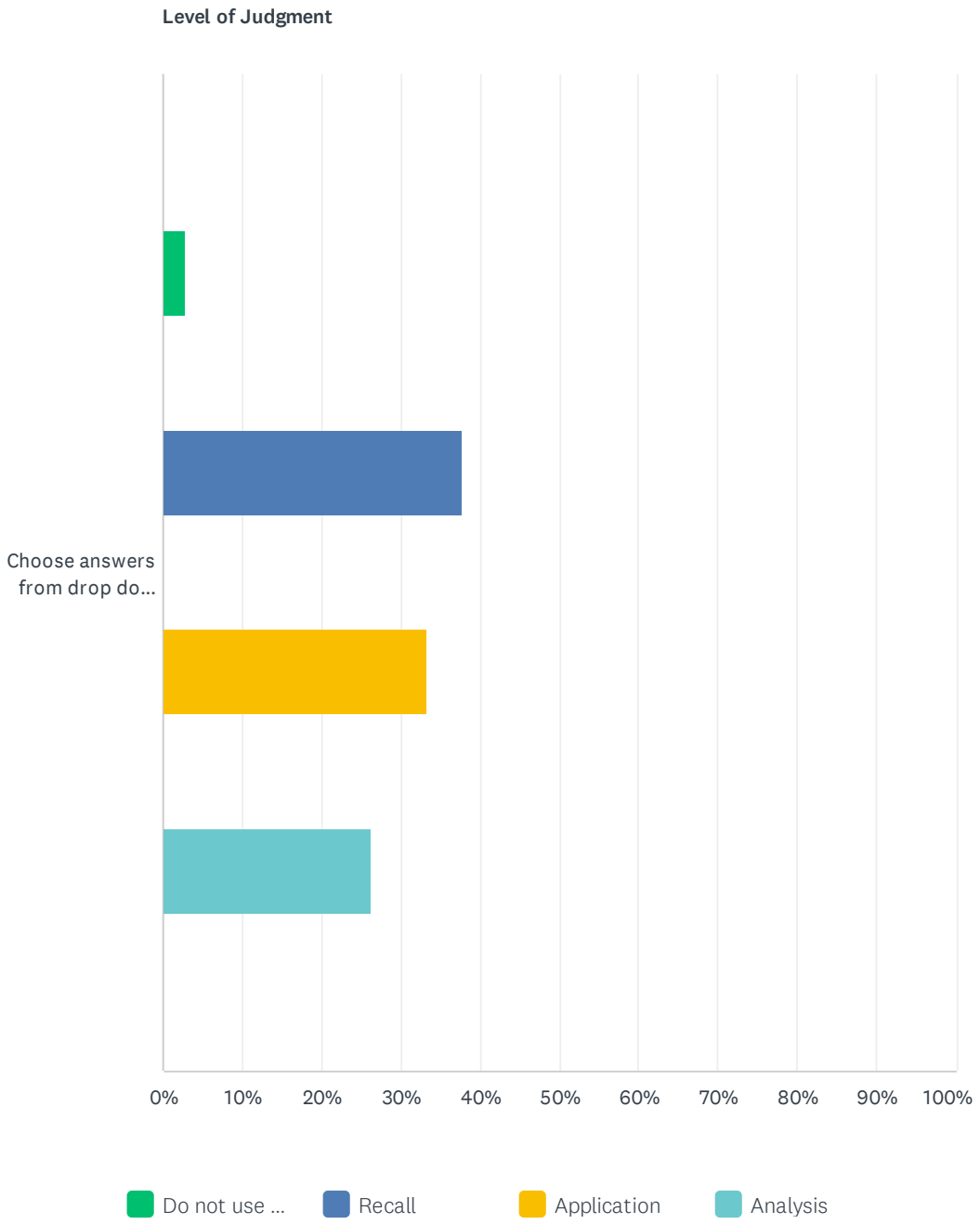


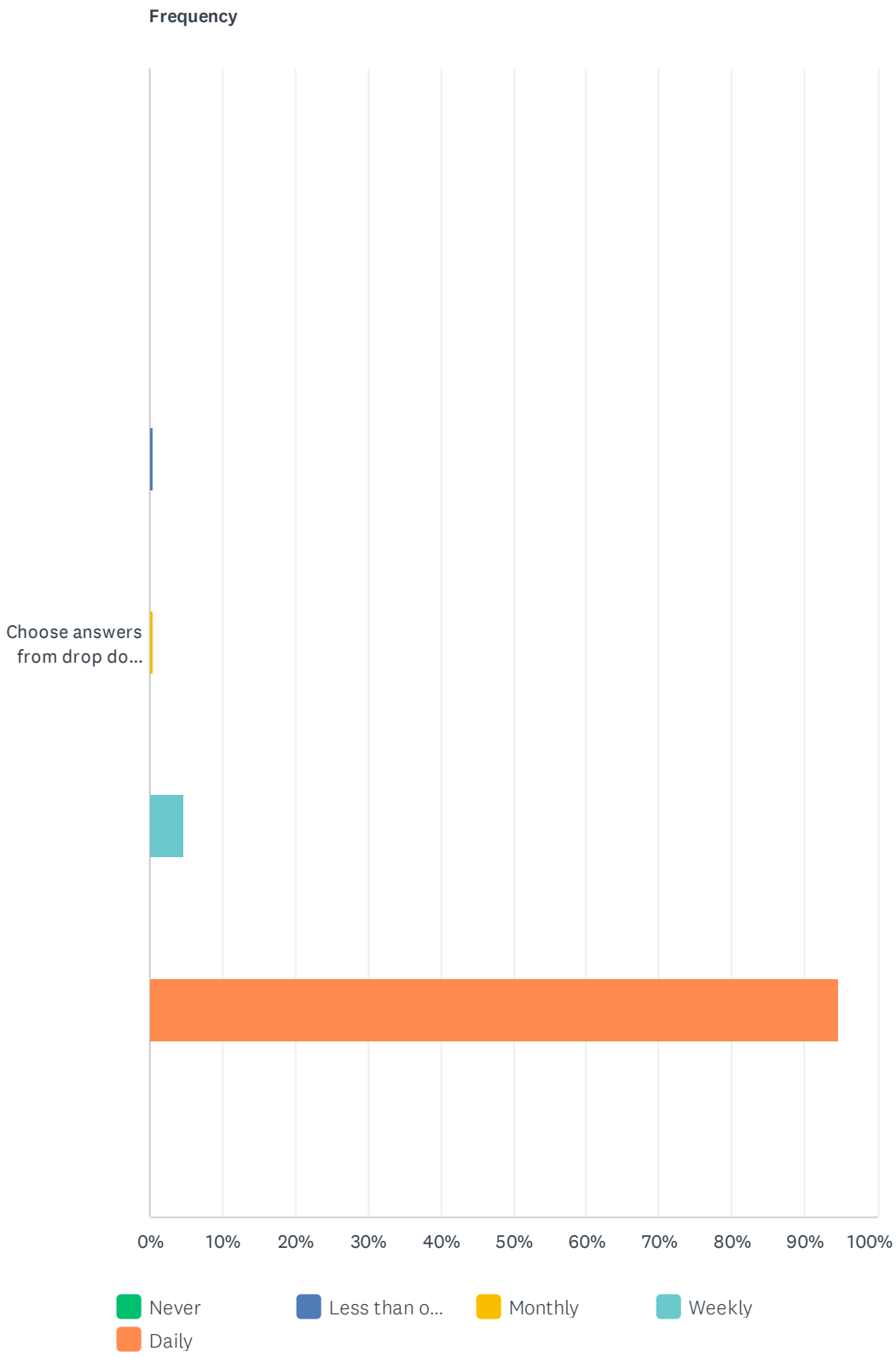

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.89%<br>12 | 22.56%<br>143 | 23.50%<br>149 | 30.13%<br>191 | 21.92%<br>139 | 634 |

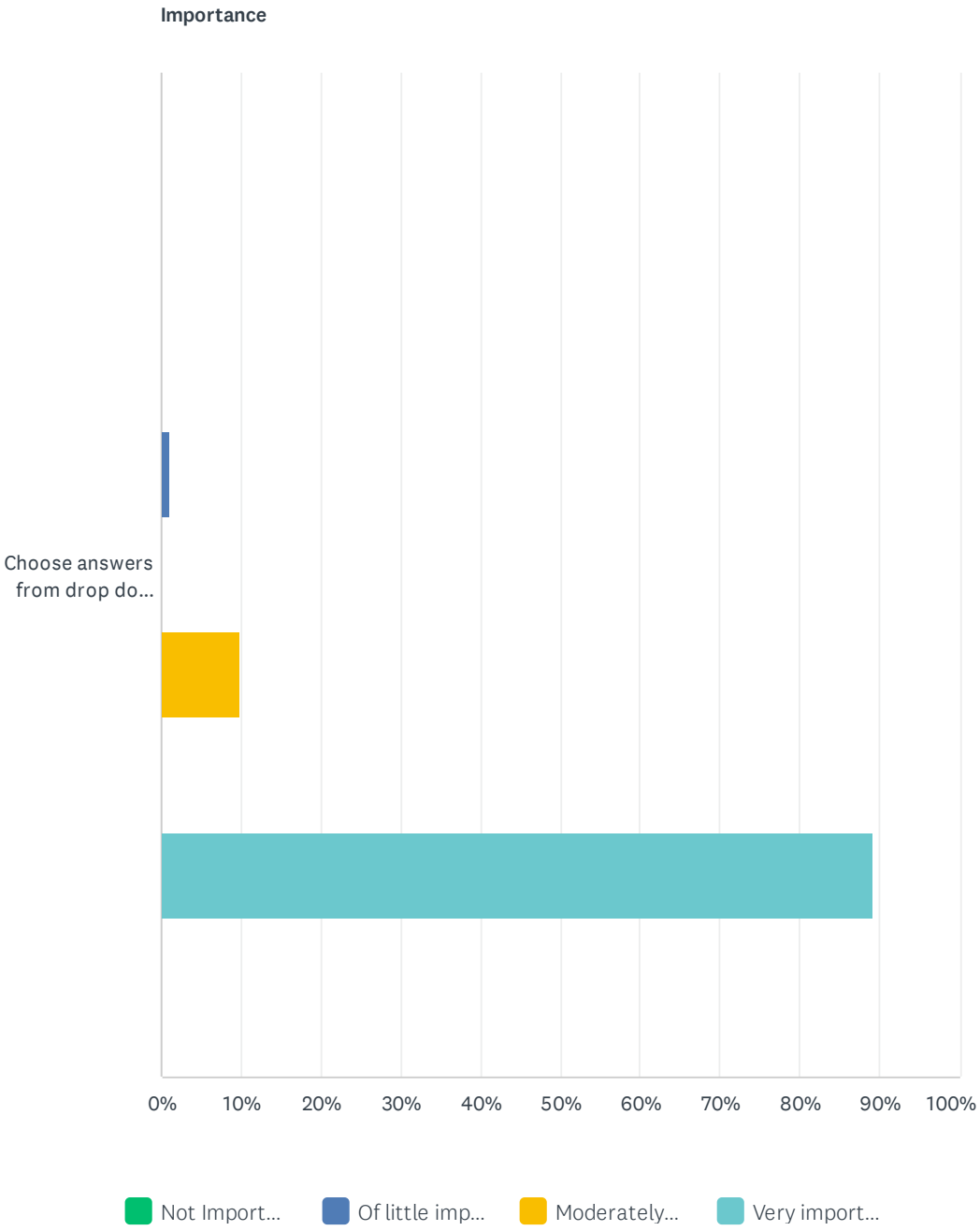
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.31%<br>8 | 21.57%<br>132 | 58.17%<br>356 | 18.95%<br>116 | 612 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 2.71%<br>16 | 37.73%<br>223 | 33.33%<br>197 | 26.23%<br>155 | <br>591 |

# Q9 1.1.2.1 Kinesiology/biomechanics.

Answered: 589 Skipped: 621

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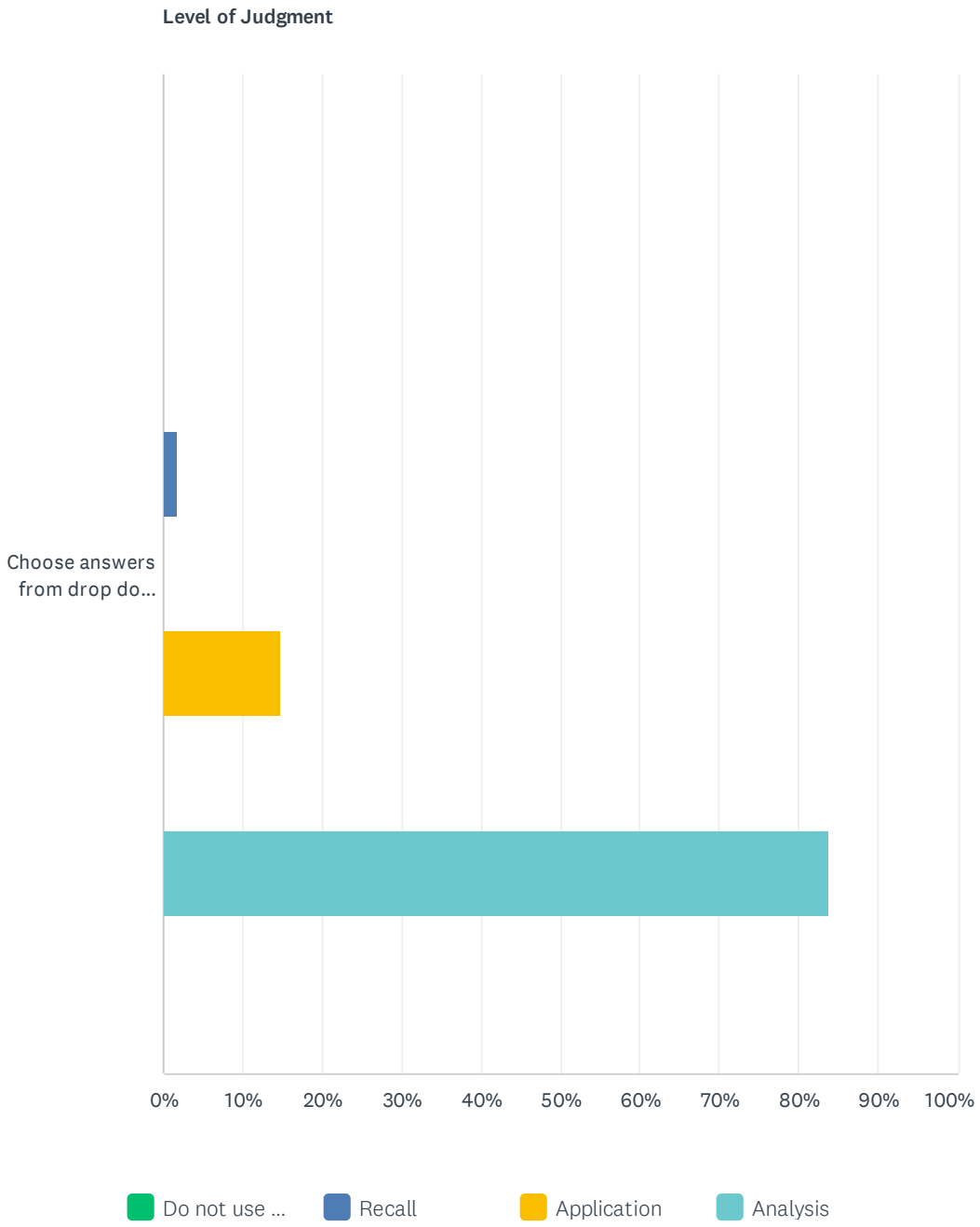


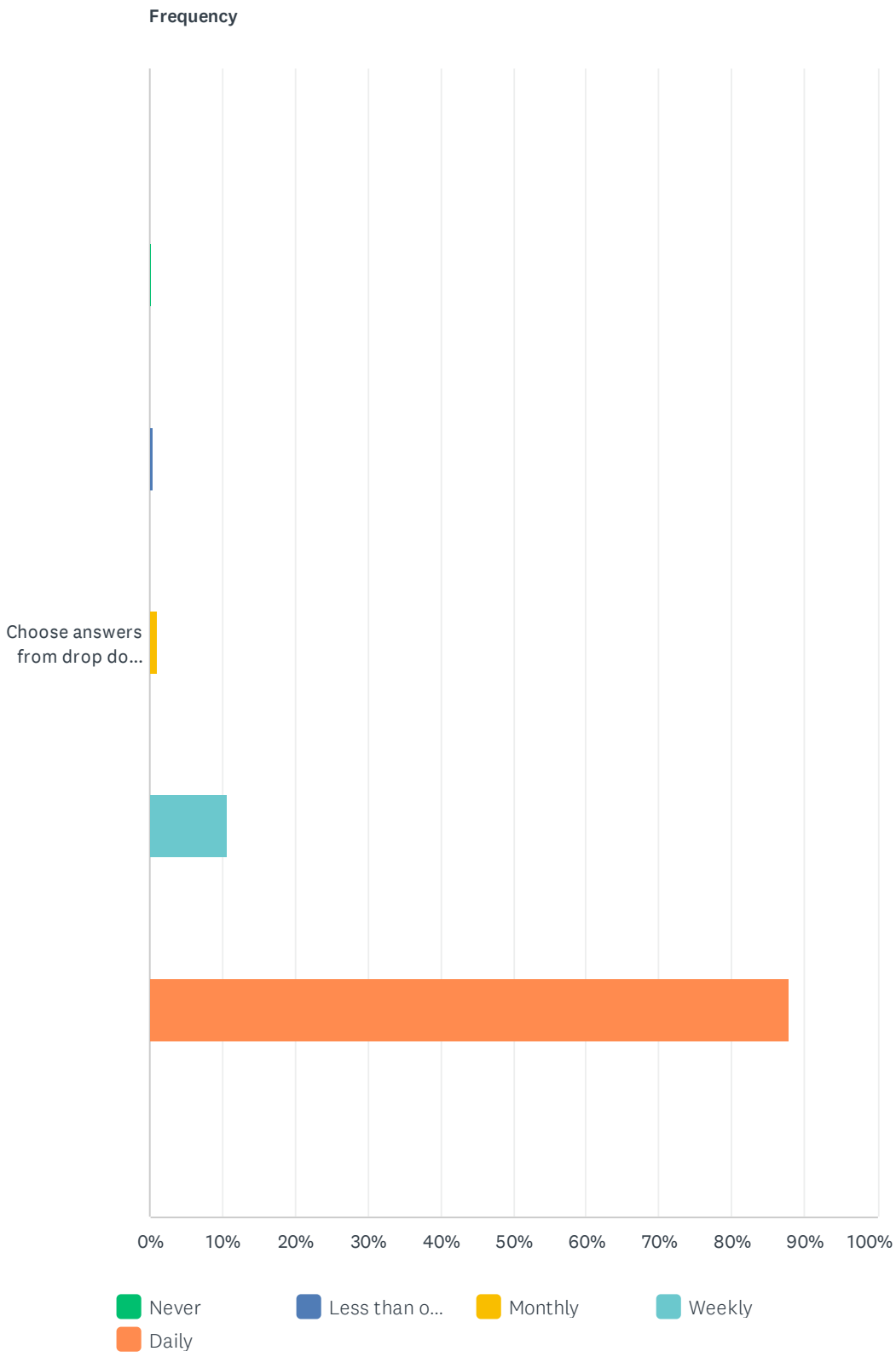

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.34%<br>2 | 0.34%<br>2 | 4.59%<br>27 | 94.73%<br>557 | 588 |

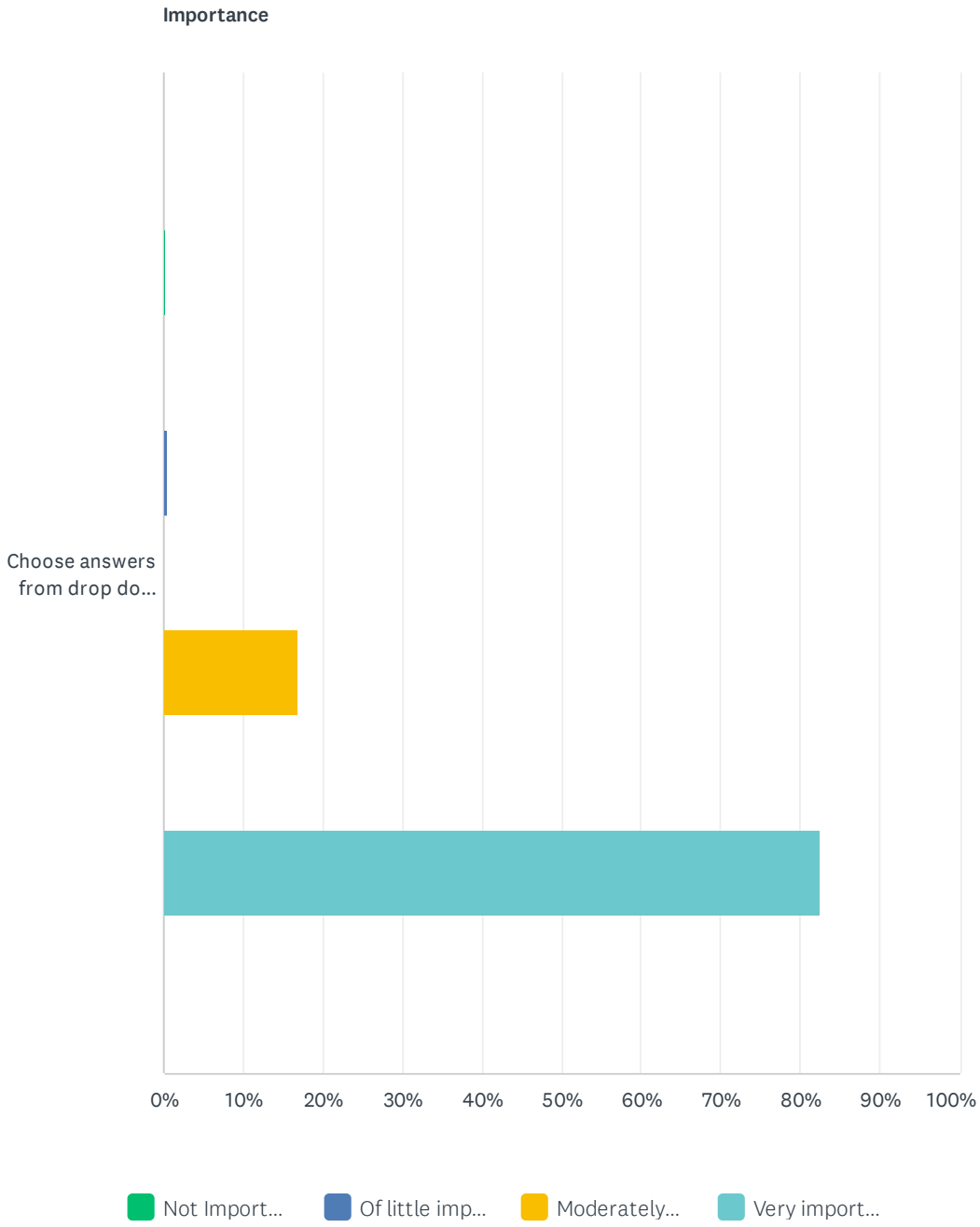
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.05%<br>6 | 9.84%<br>56 | 89.10%<br>507 | 569 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.65%<br>9 | 14.65%<br>80 | 83.70%<br>457 | <br>546 |

# Q10 1.1.2.2 Neural control of movement.

Answered: 590 Skipped: 620

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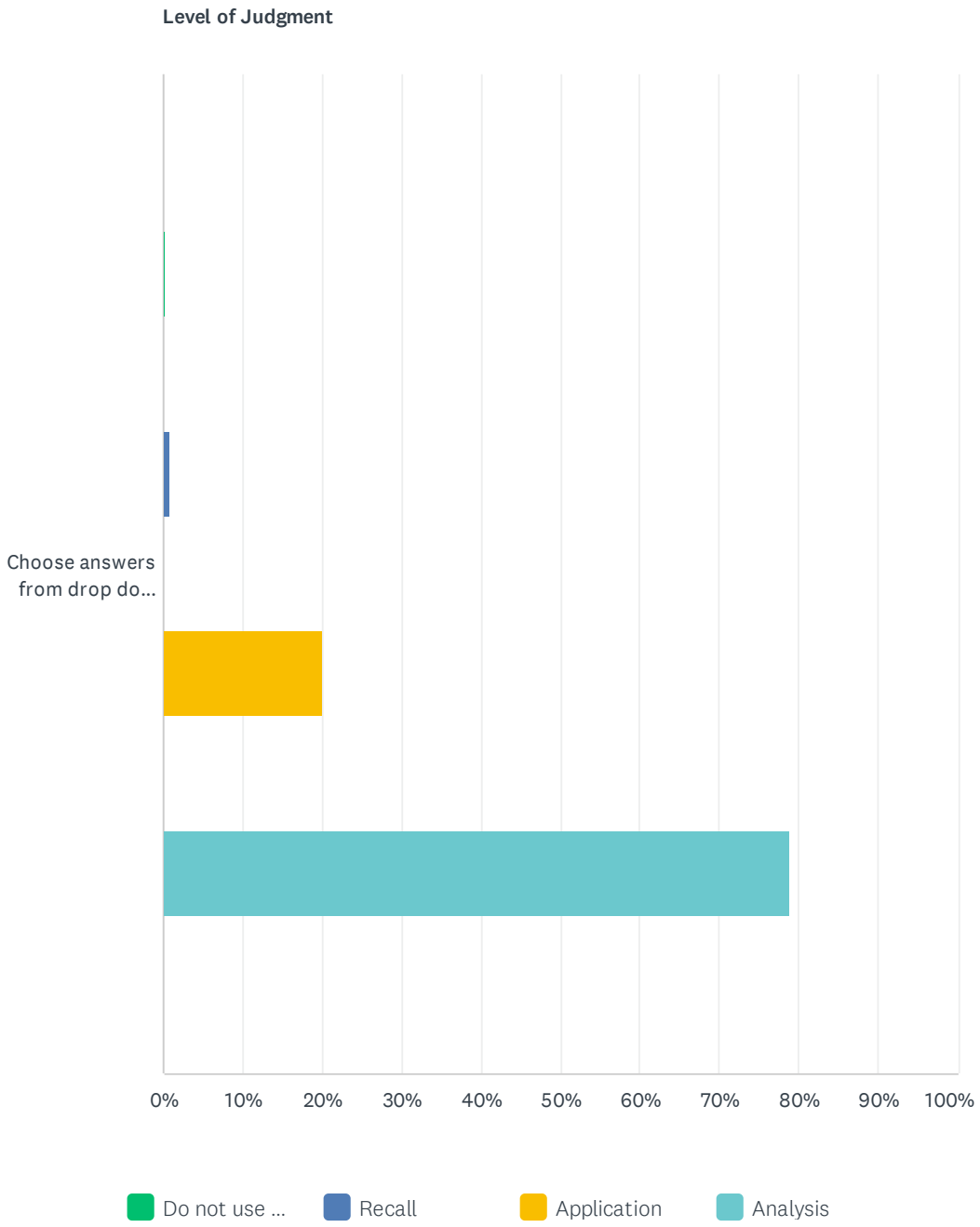


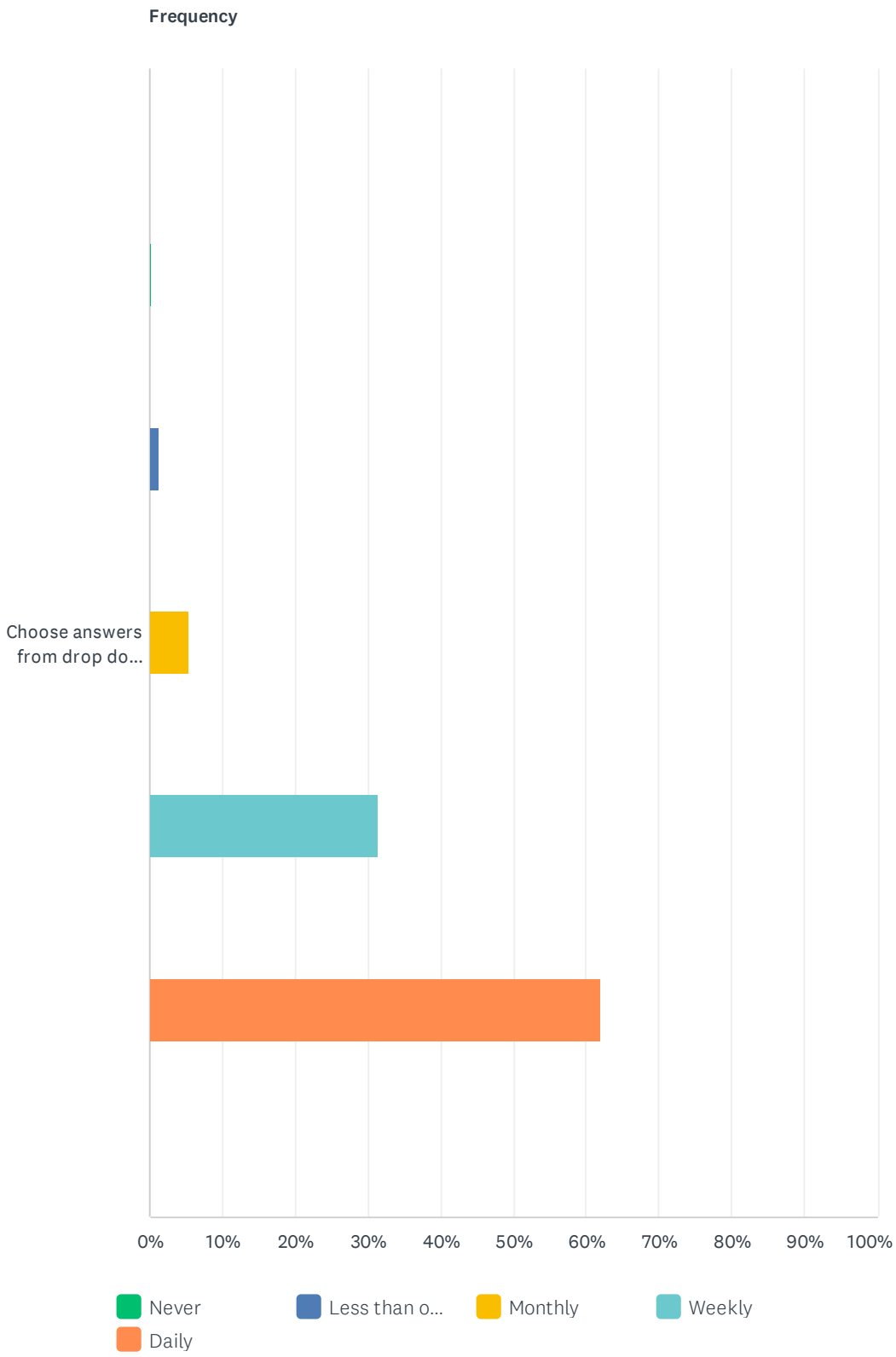

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.17%<br>1 | 0.34%<br>2 | 1.02%<br>6 | 10.68%<br>63 | 87.80%<br>518 | 590 |

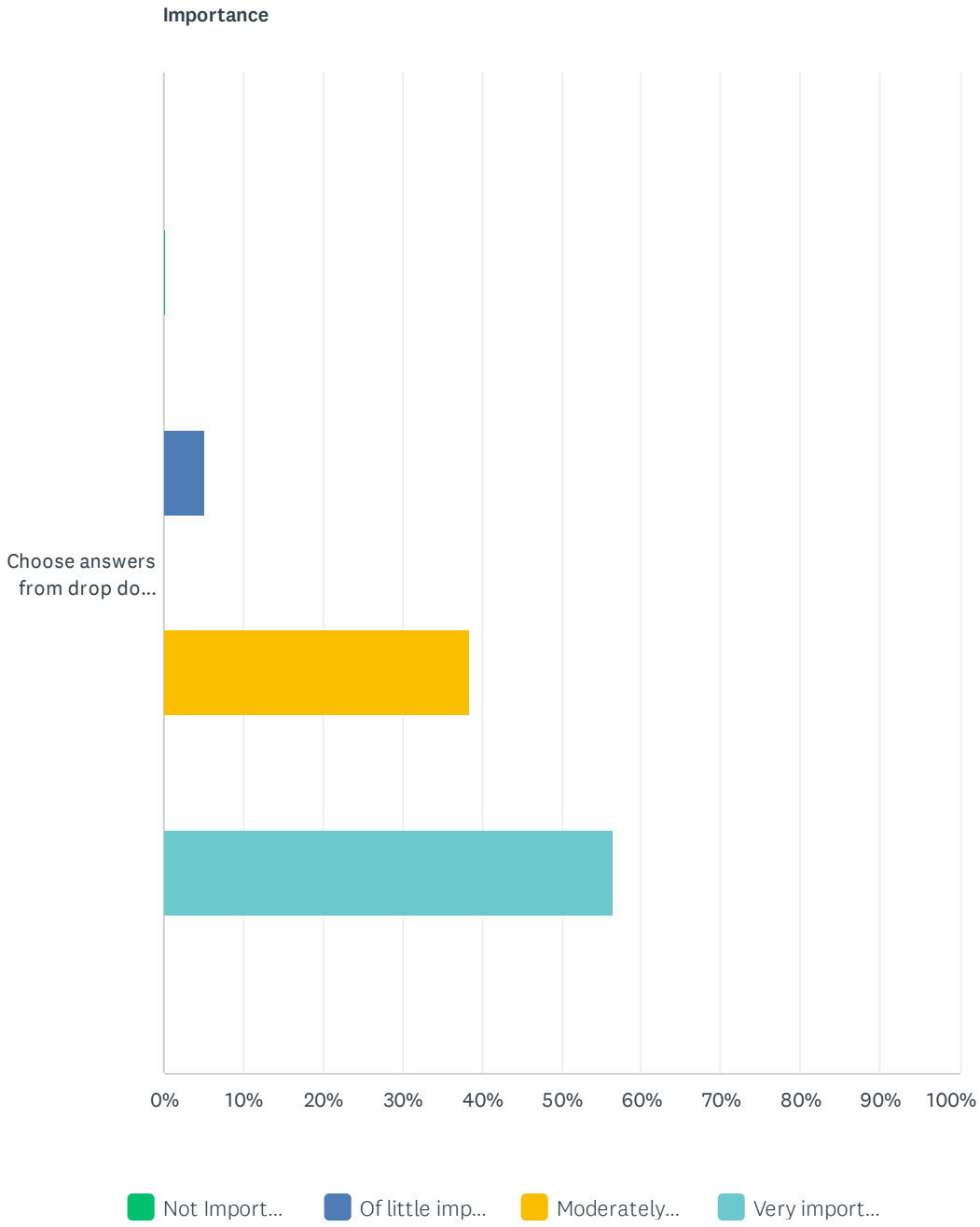
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.18%<br>1 | 0.53%<br>3 | 16.87%<br>96 | 82.43%<br>469 | 569 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.18%<br>1 | 0.91%<br>5 | 20.07%<br>110 | 78.83%<br>432 | <br>548 |

# Q11 1.1.2.3 Ergonomics.

Answered: 589 Skipped: 621

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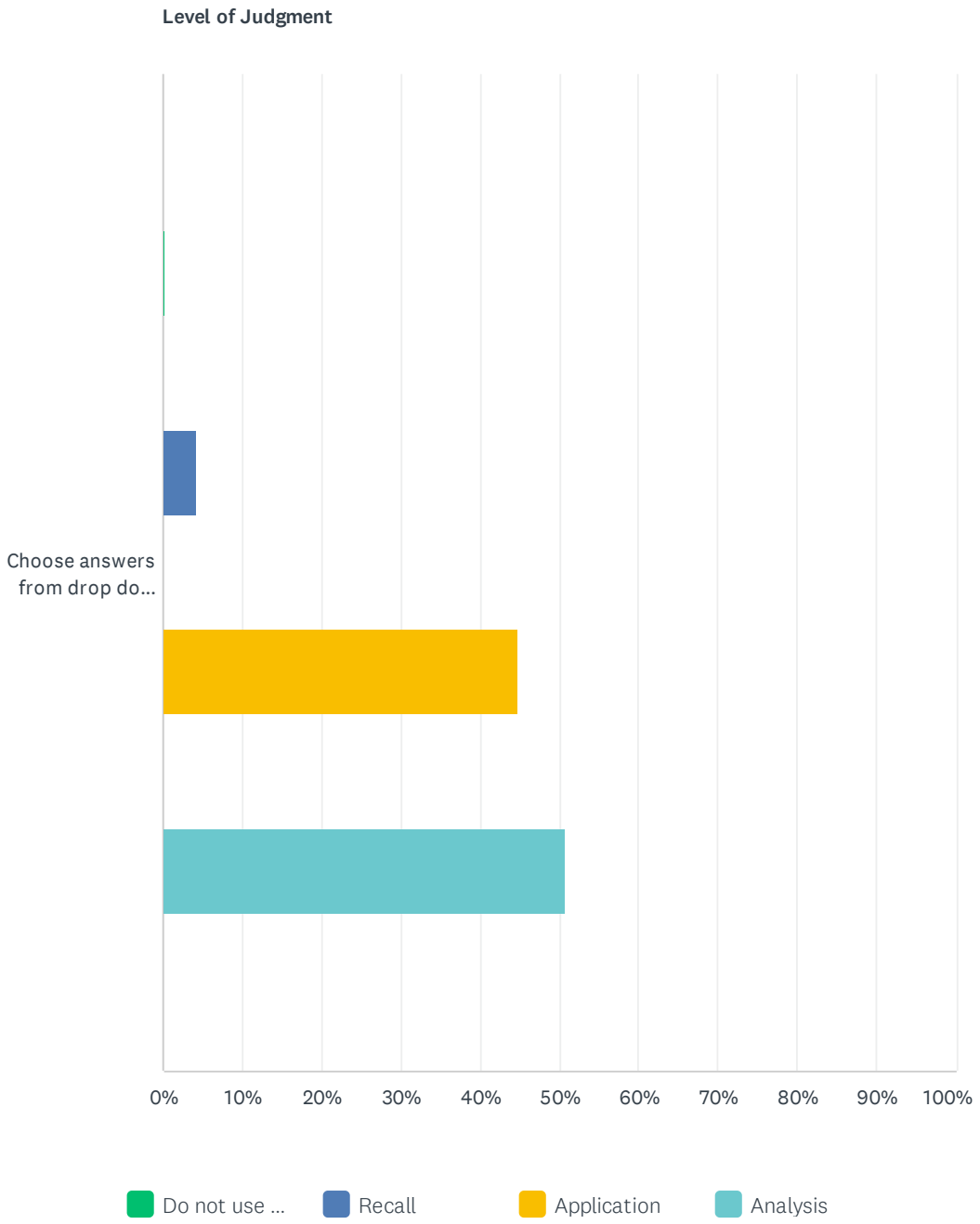


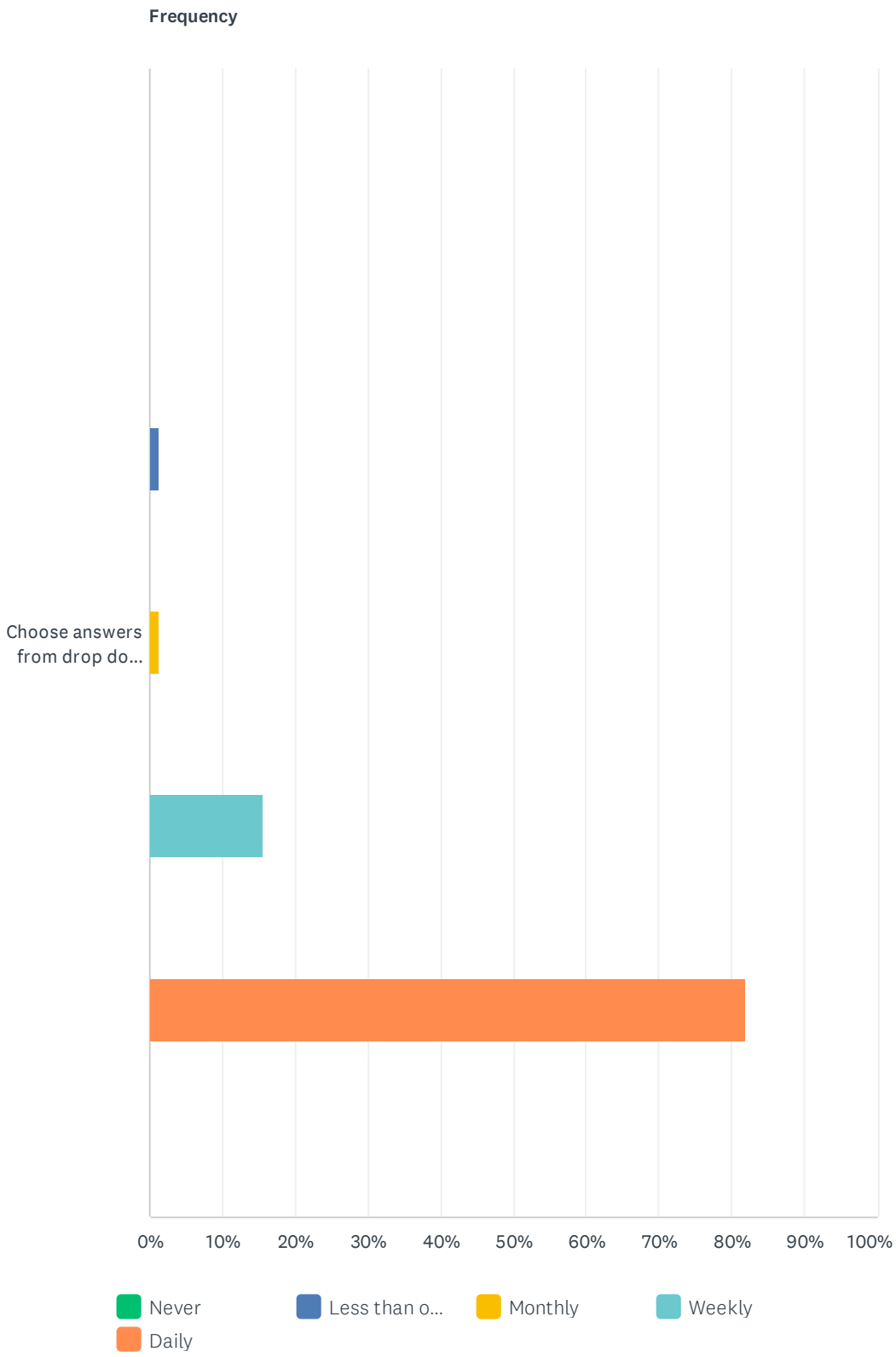

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.17%<br>1 | 1.19%<br>7 | 5.26%<br>31 | 31.41%<br>185 | 61.97%<br>365 | 589 |

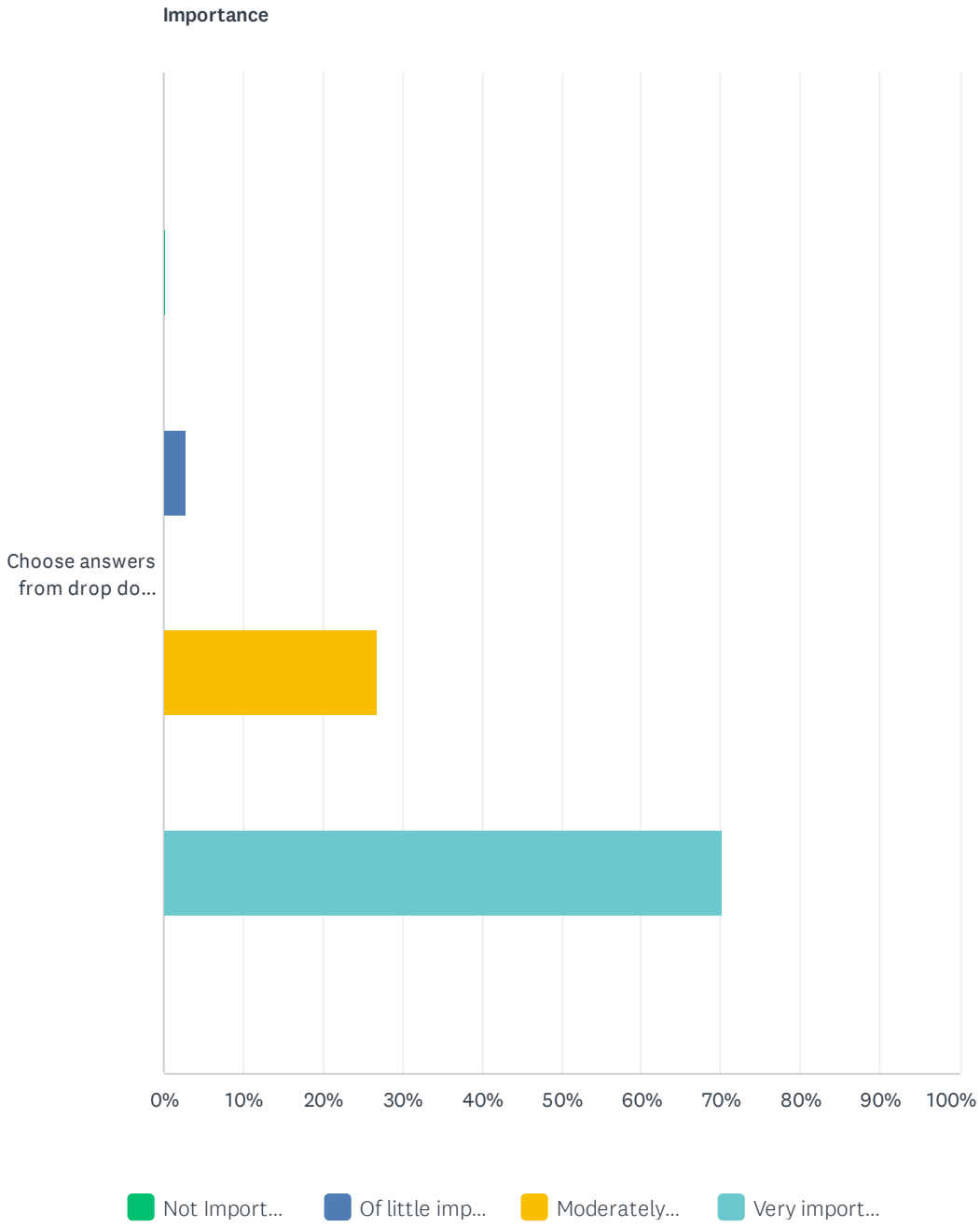
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.18%<br>1 | 5.10%<br>29 | 38.31%<br>218 | 56.41%<br>321 | 569 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.18%<br>1 | 4.19%<br>23 | 44.81%<br>246 | 50.82%<br>279 | <br>549 |

# Q12 1.1.2.4 Locomotion.

Answered: 589 Skipped: 621

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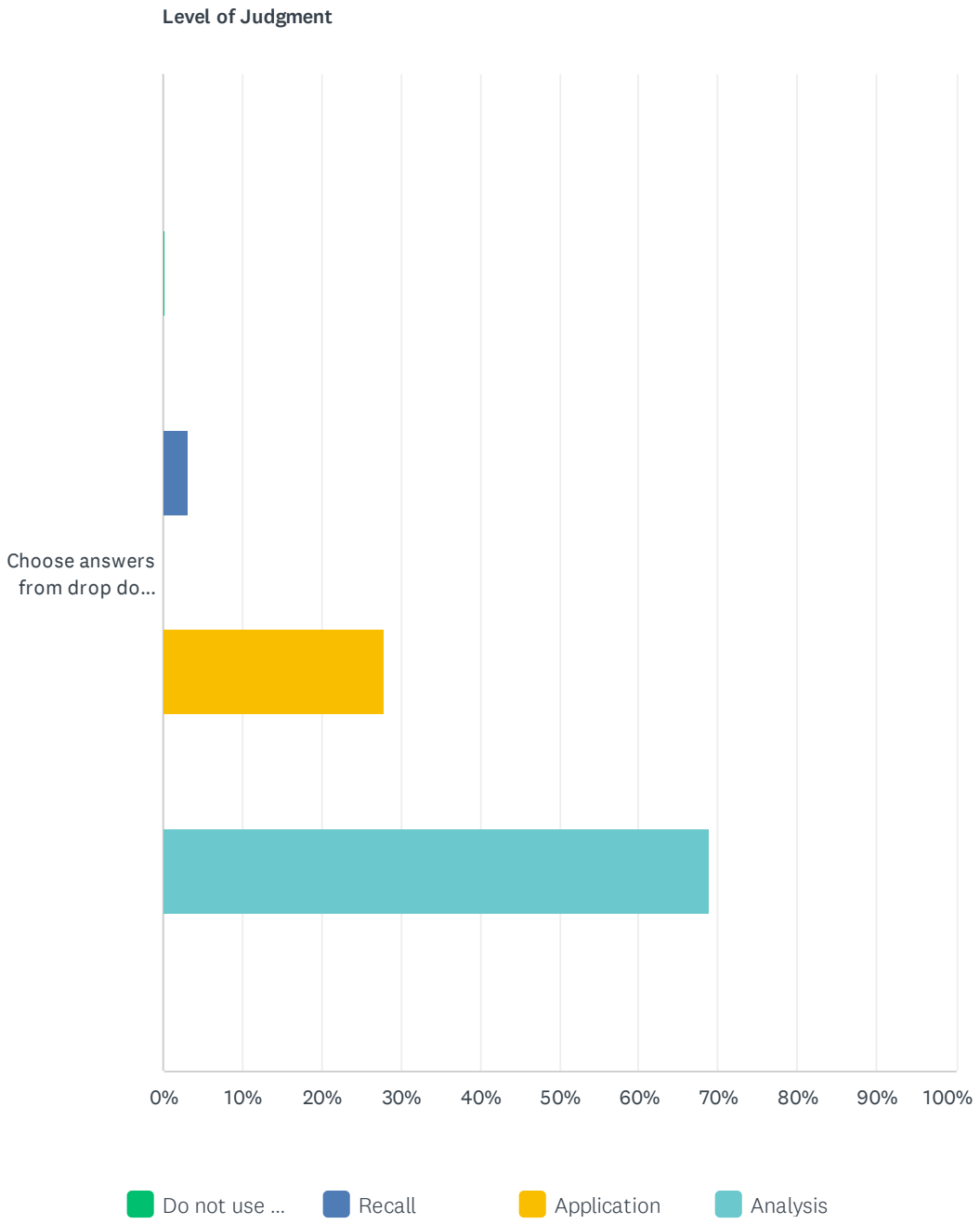


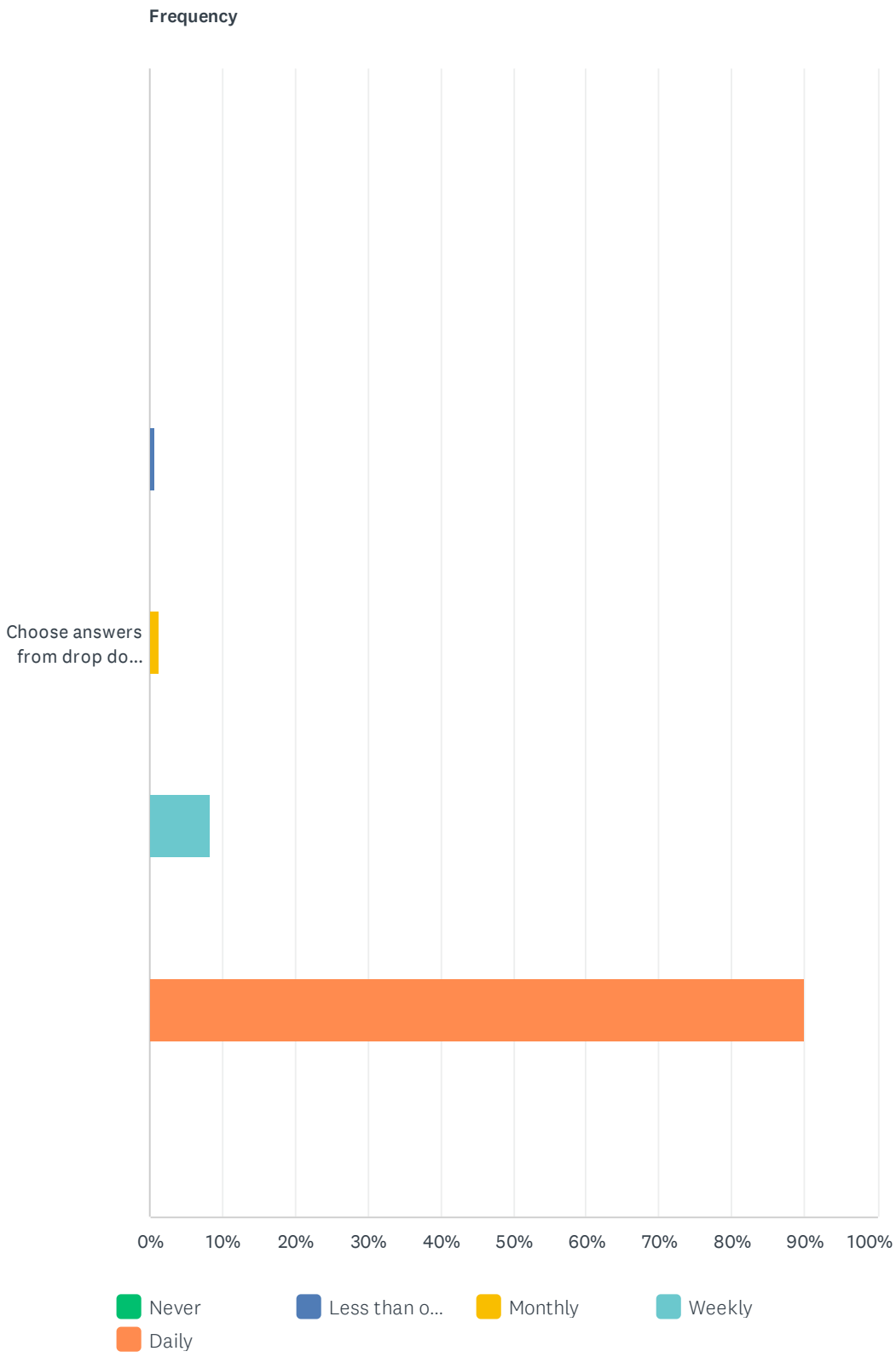

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.19%<br>7 | 1.36%<br>8 | 15.62%<br>92 | 81.83%<br>482 | 589 |

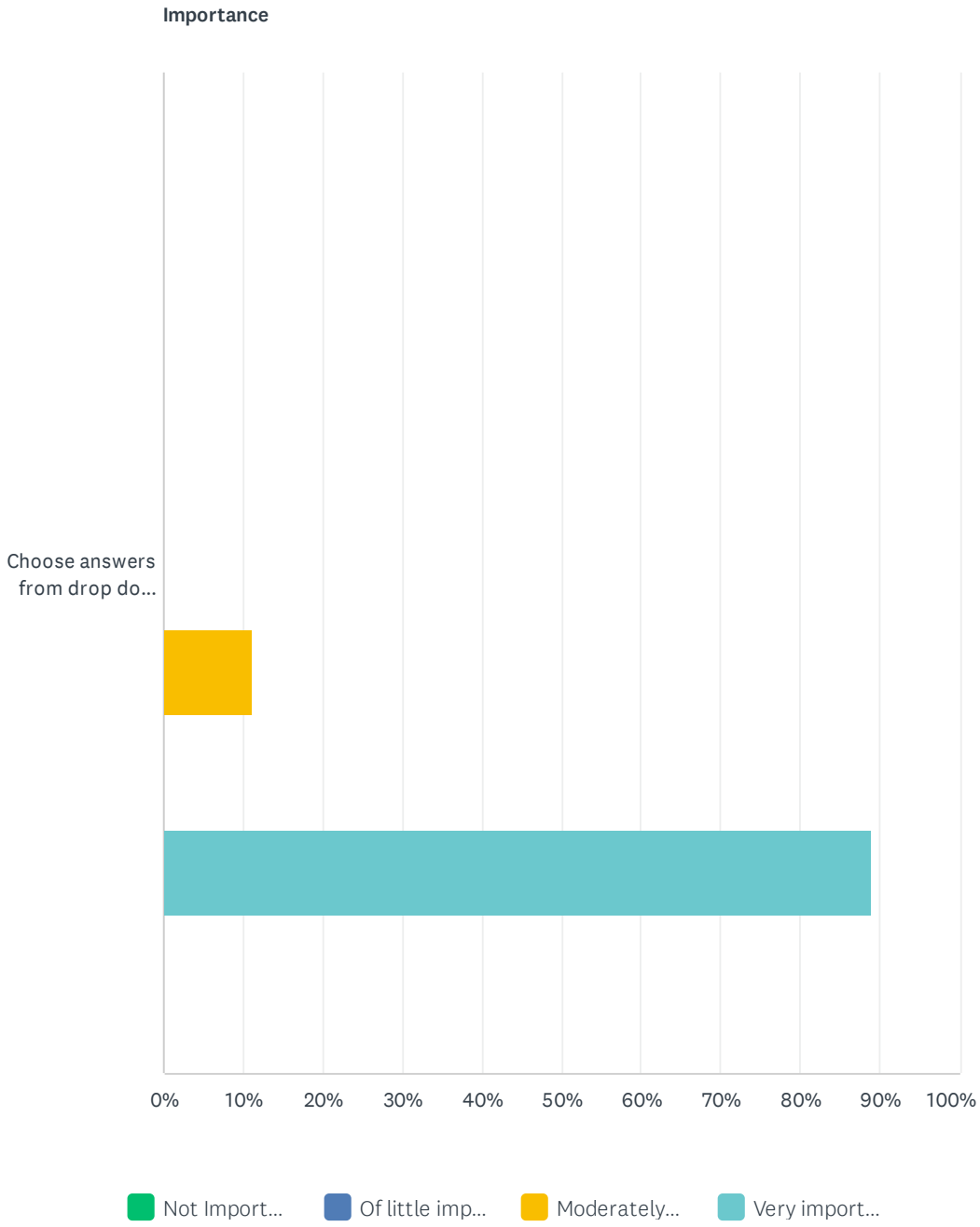
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.18%<br>1 | 2.81%<br>16 | 26.89%<br>153 | 70.12%<br>399 | 569 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.18%<br>1 | 3.10%<br>17 | 27.87%<br>153 | 68.85%<br>378 | <br>549 |

# Q13 1.2.1.1 Signs and symptoms of disease/injury.

Answered: 534 Skipped: 676

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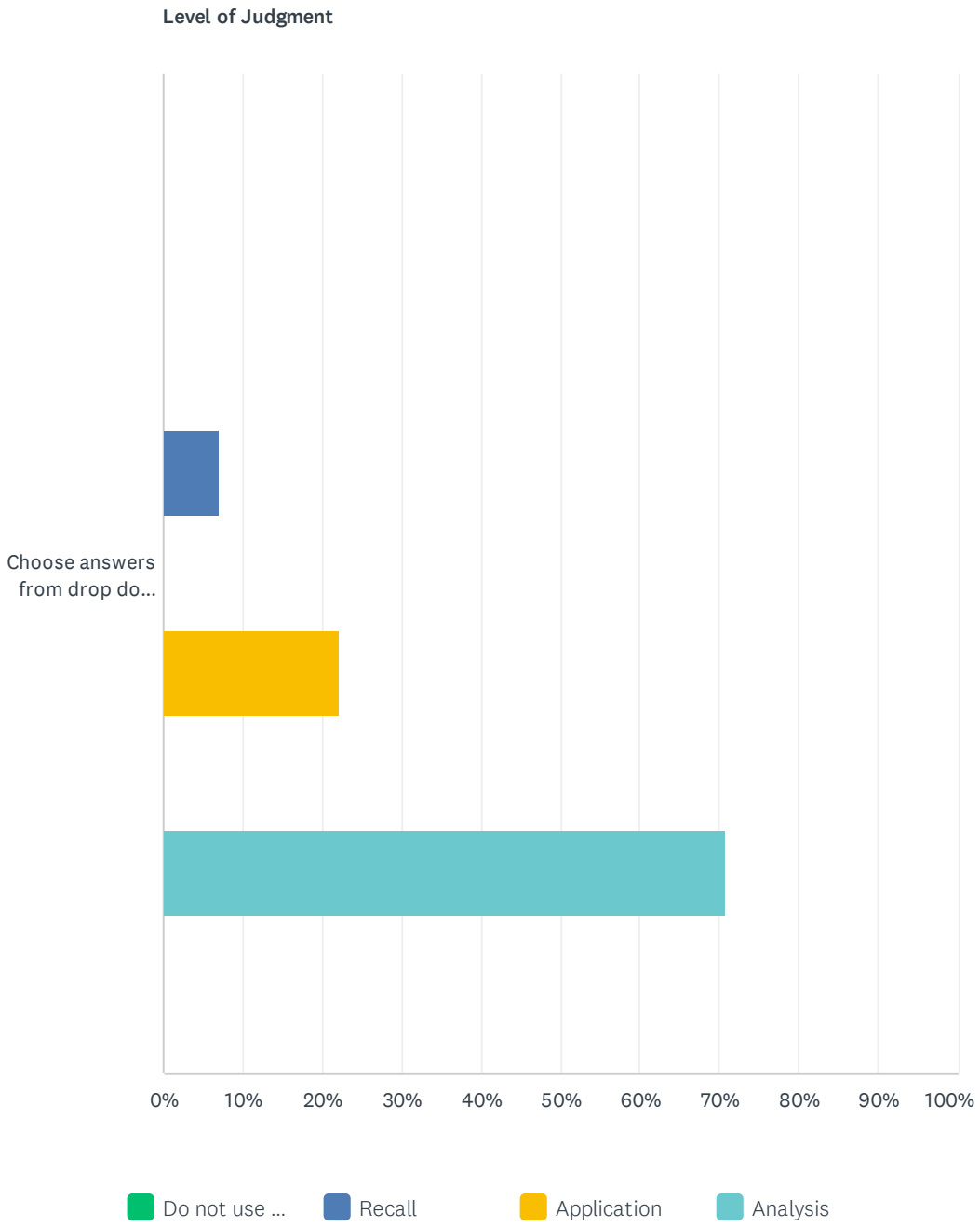


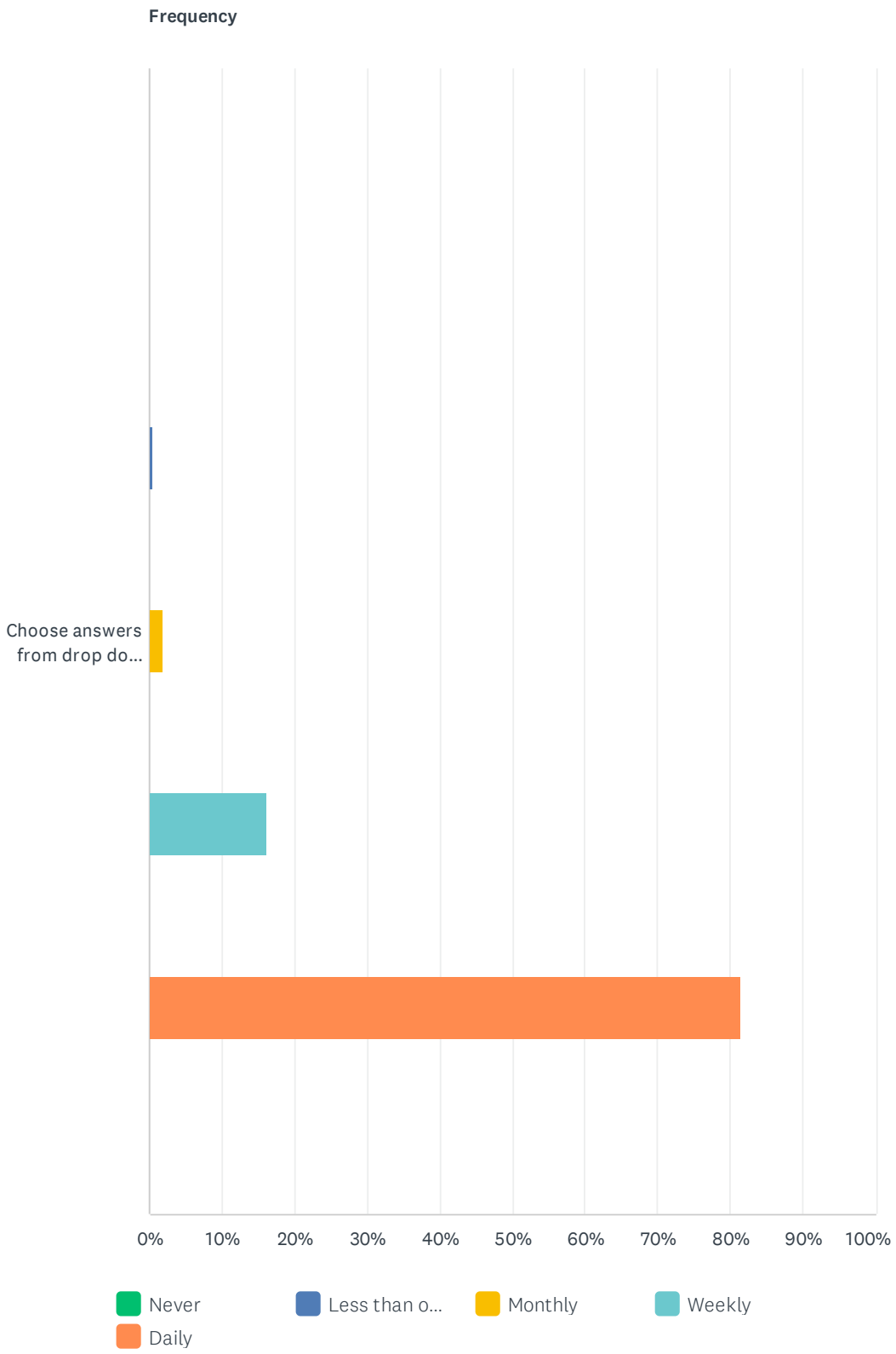

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.56%<br>3 | 1.31%<br>7 | 8.24%<br>44 | 89.89%<br>480 | 534 |

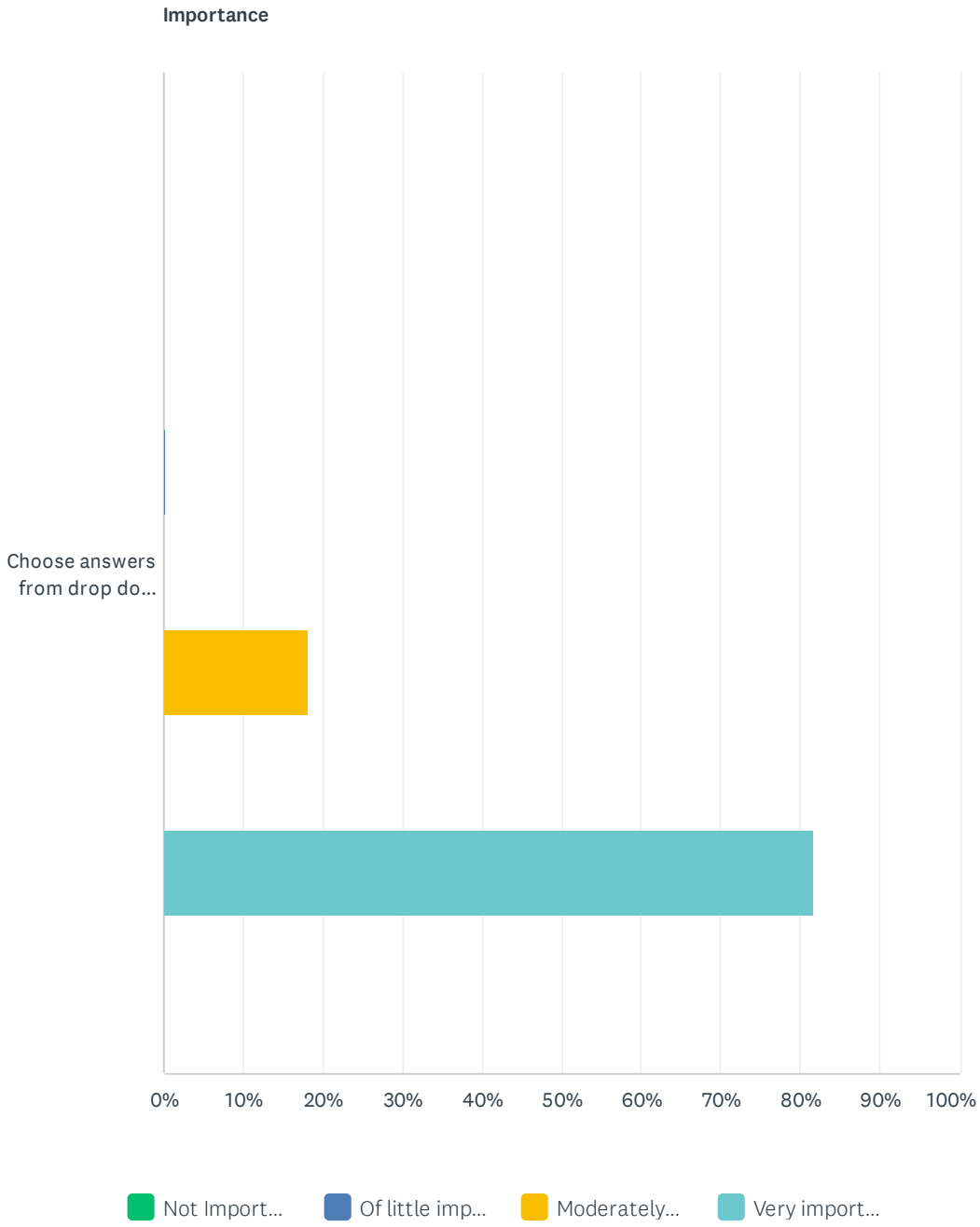
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 11.07%<br>57 | 88.93%<br>458 | 515 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.00%<br>0 | 7.07%<br>35 | 22.22%<br>110 | 70.71%<br>350 | <br>495 |

# Q14 1.2.1.2 Progression of disease/injury processes.

Answered: 535 Skipped: 675

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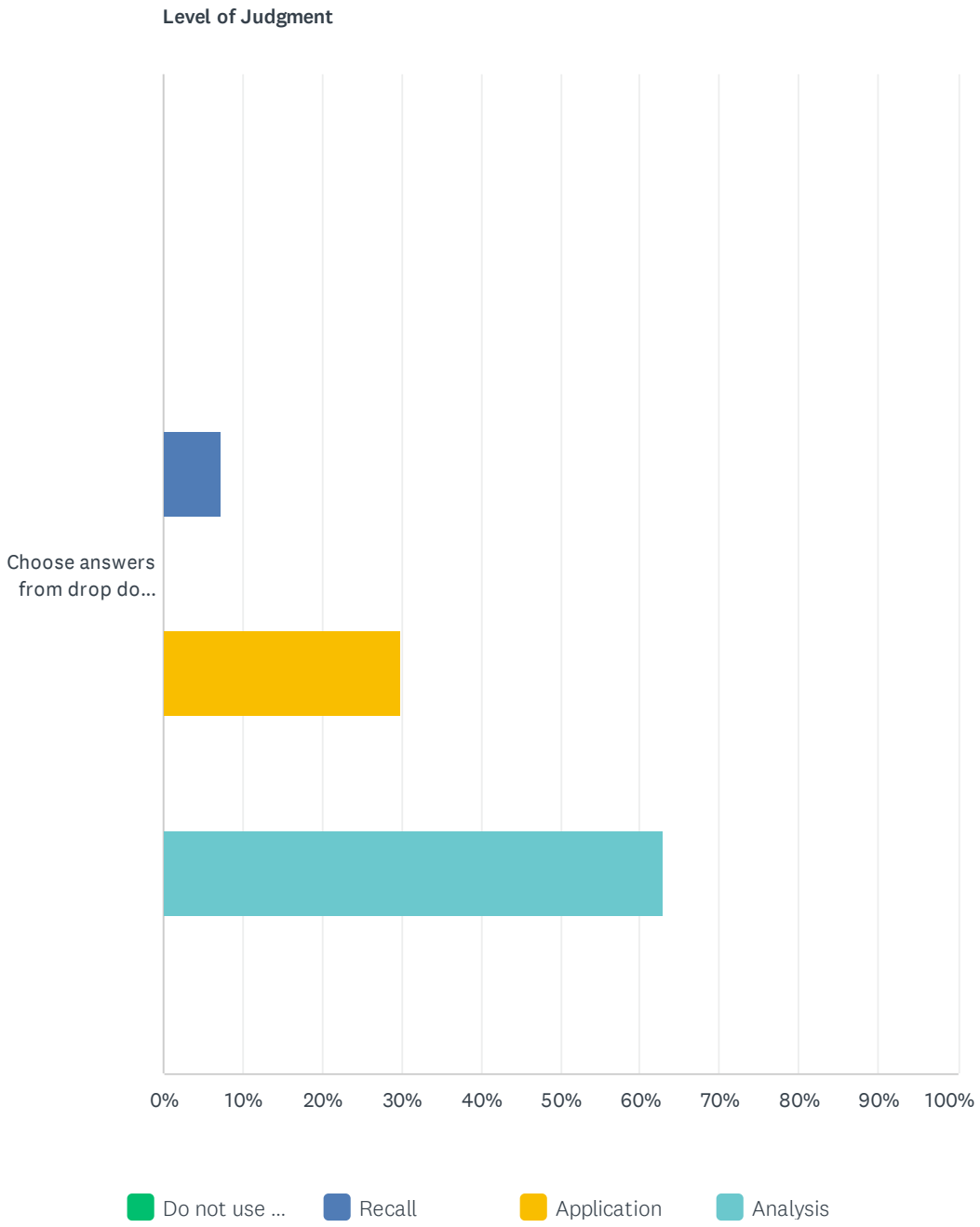


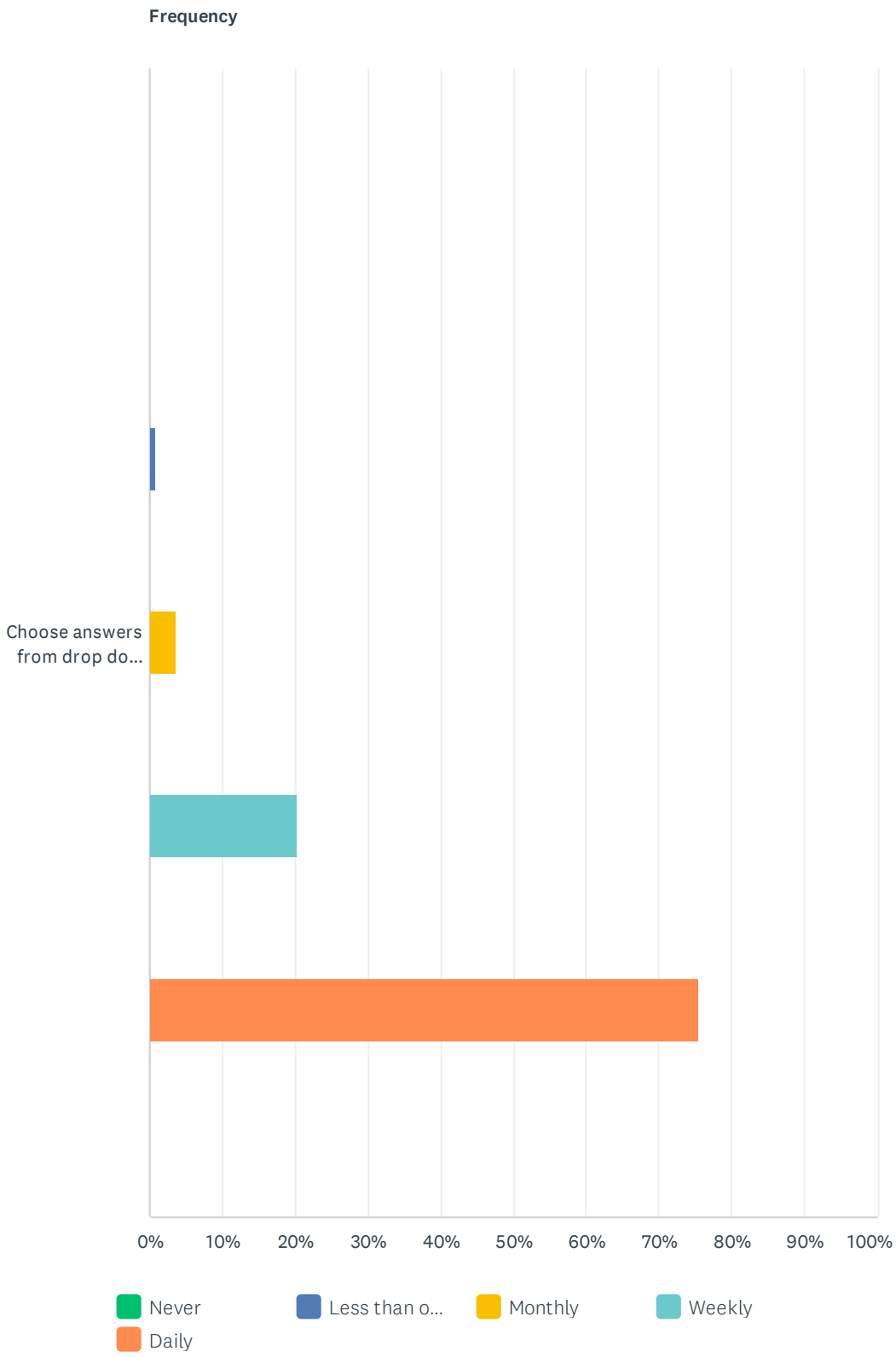

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.37%<br>2 | 1.87%<br>10 | 16.26%<br>87 | 81.50%<br>436 | 535 |

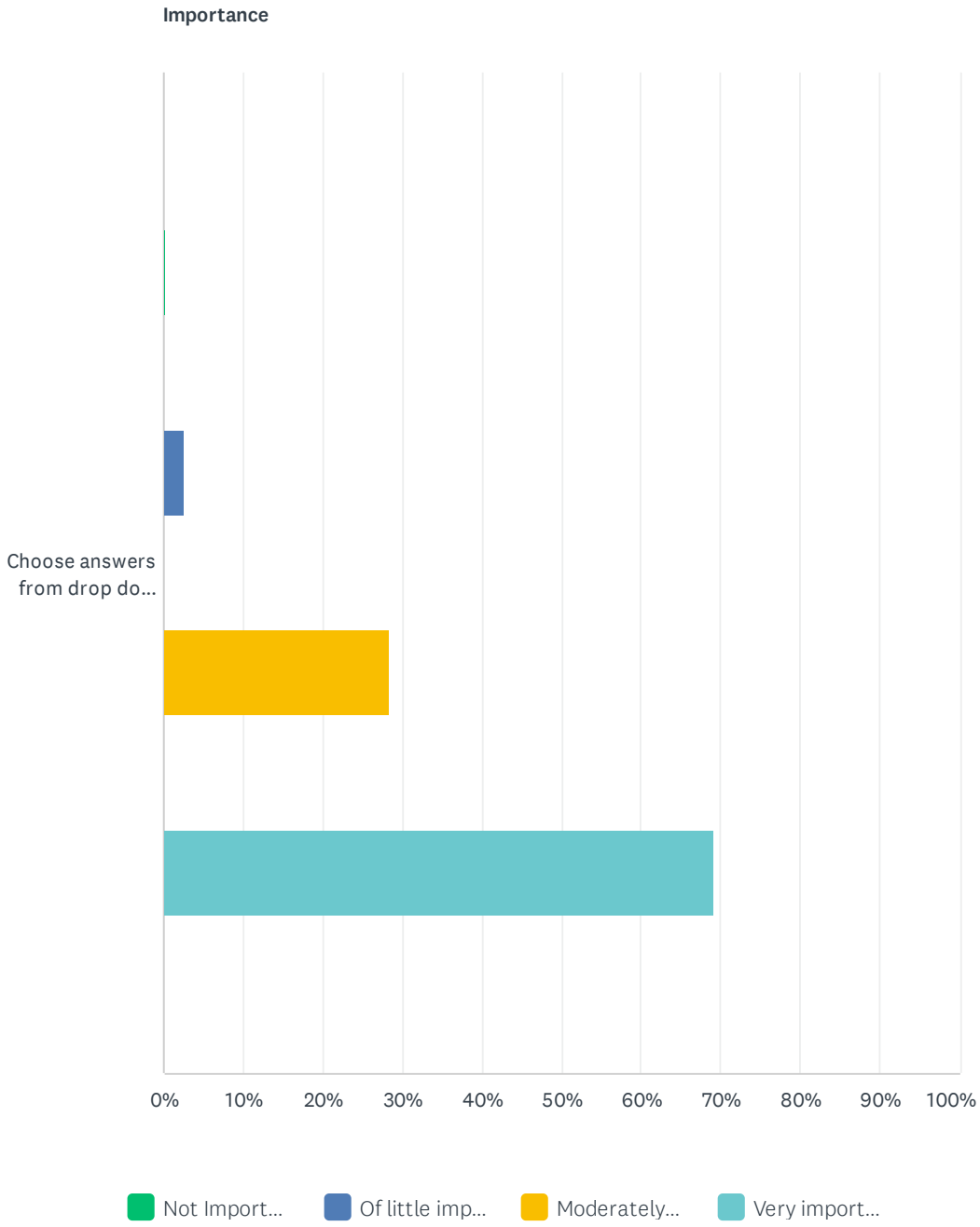
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.19%<br>1 | 18.22%<br>94 | 81.59%<br>421 | 516 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.00%<br>0 | 7.26%<br>36 | 29.84%<br>148 | 62.90%<br>312 | <br>496 |

# Q15 1.2.1.3 Pathokinesiology.

Answered: 534 Skipped: 676

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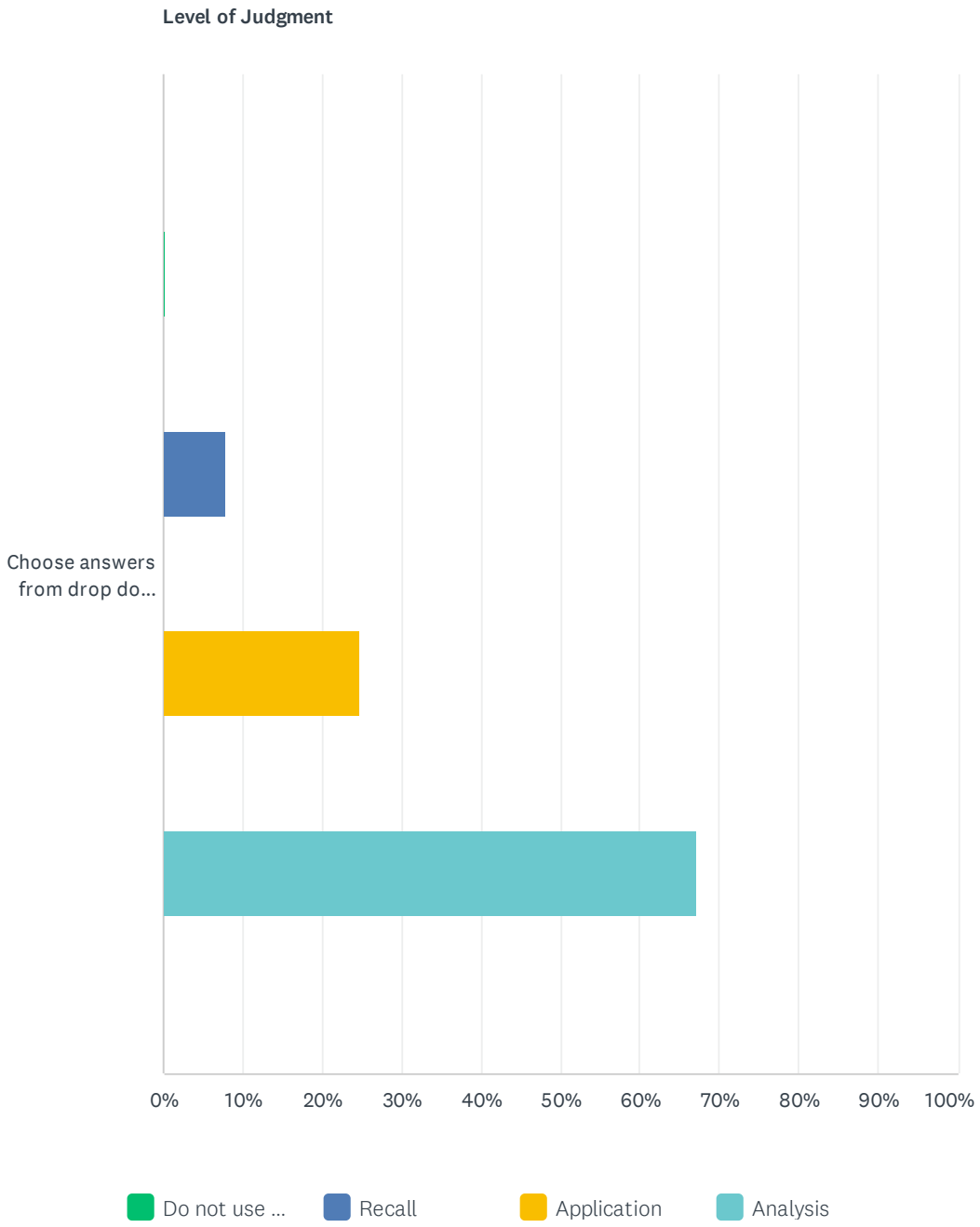


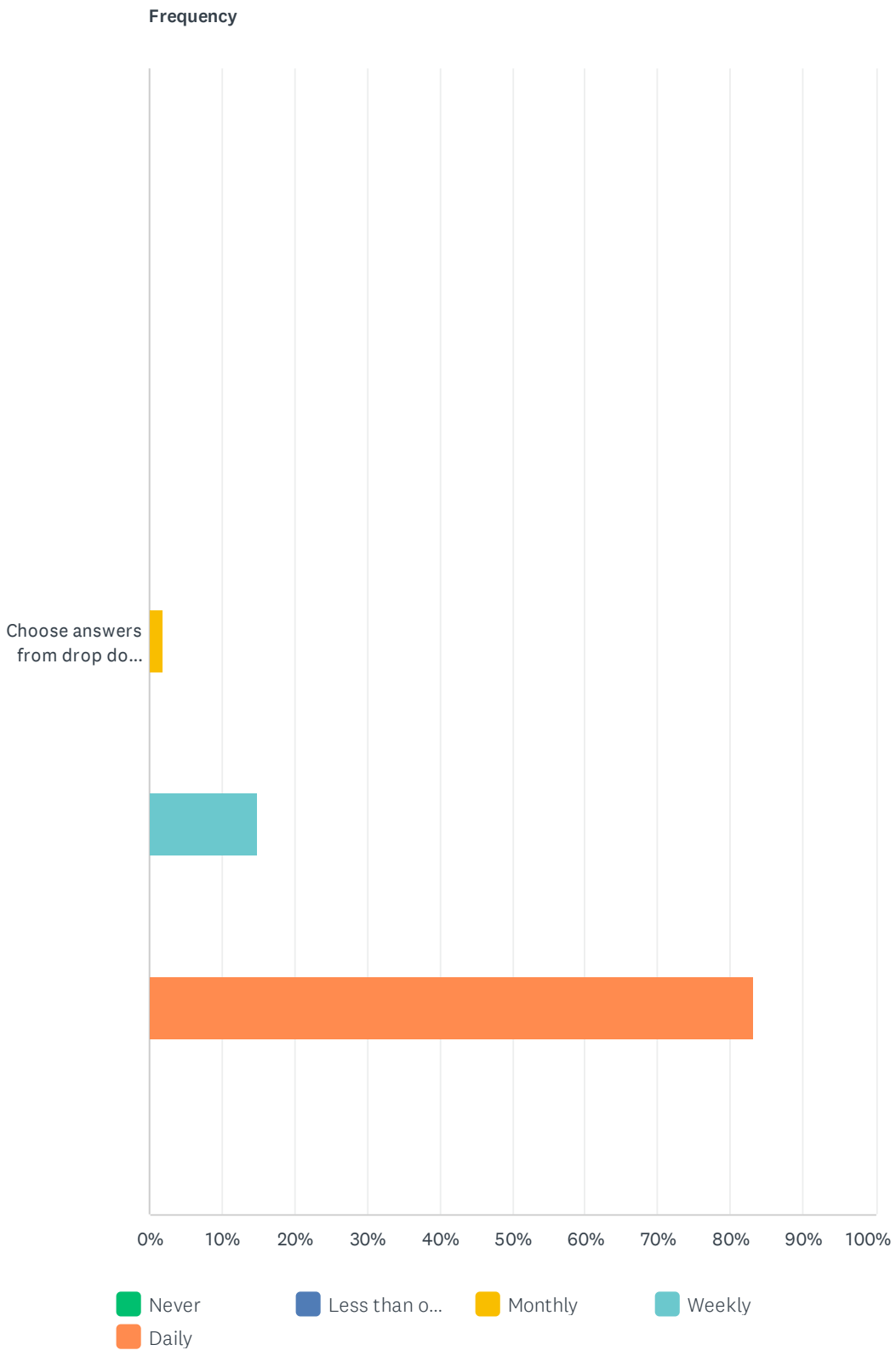

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.75%<br>4 | 3.56%<br>19 | 20.22%<br>108 | 75.47%<br>403 | 534 |

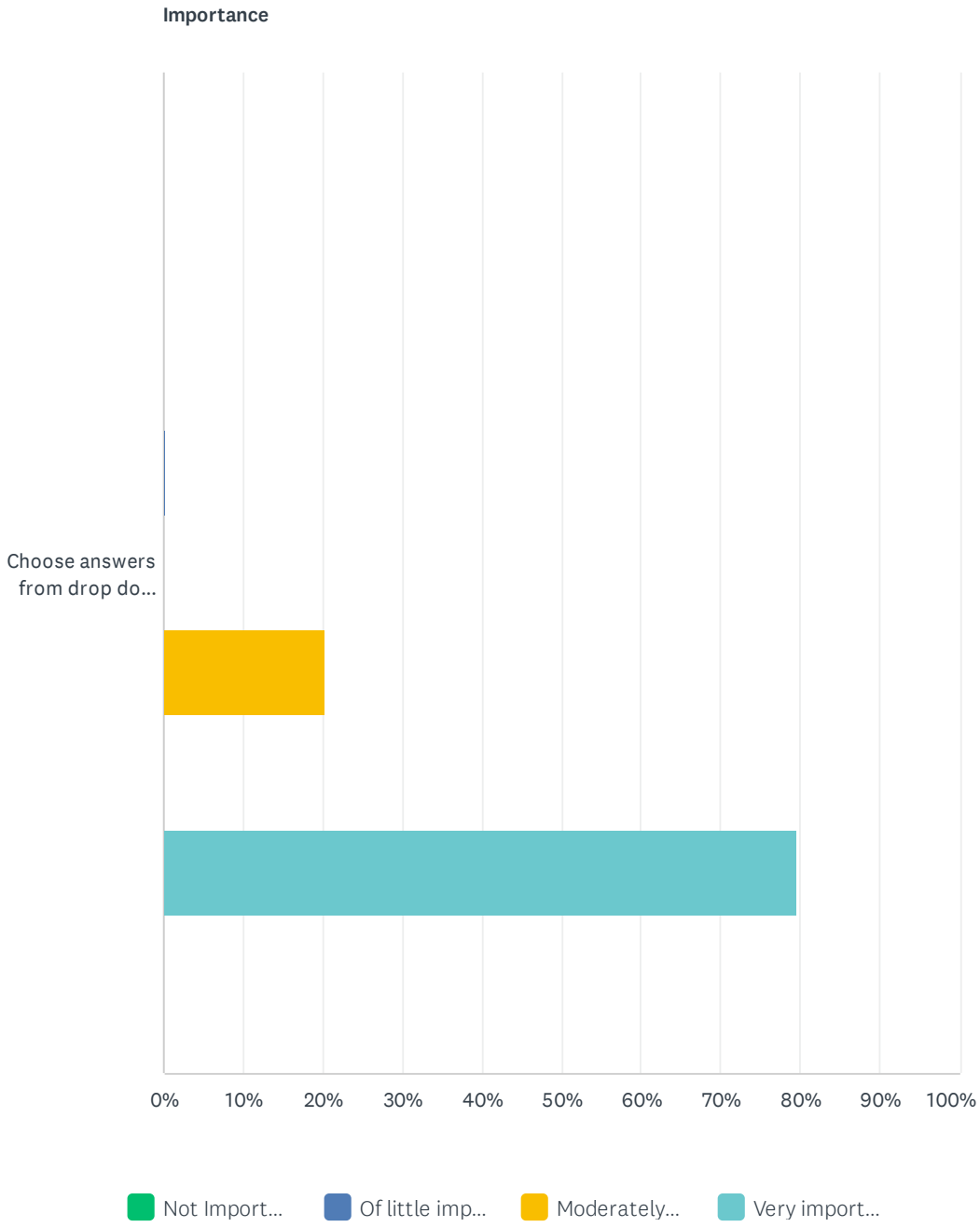
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.19%<br>1 | 2.52%<br>13 | 28.29%<br>146 | 68.99%<br>356 | 516 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.20%<br>1 | 7.85%<br>39 | 24.75%<br>123 | 67.20%<br>334 | <br>497 |

# Q16 1.2.1.4 Tissue inflammation, healing, and repair.

Answered: 536 Skipped: 674

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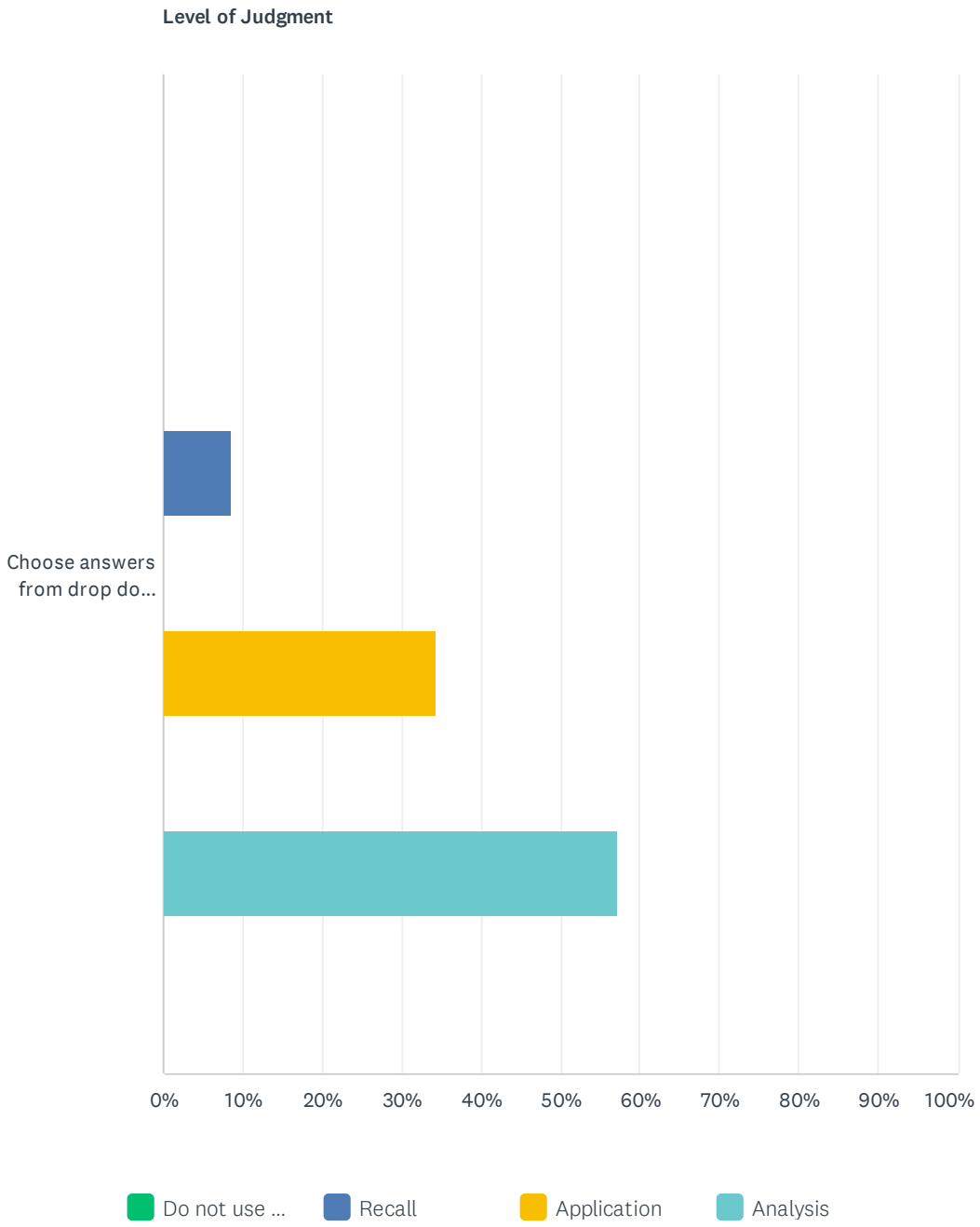


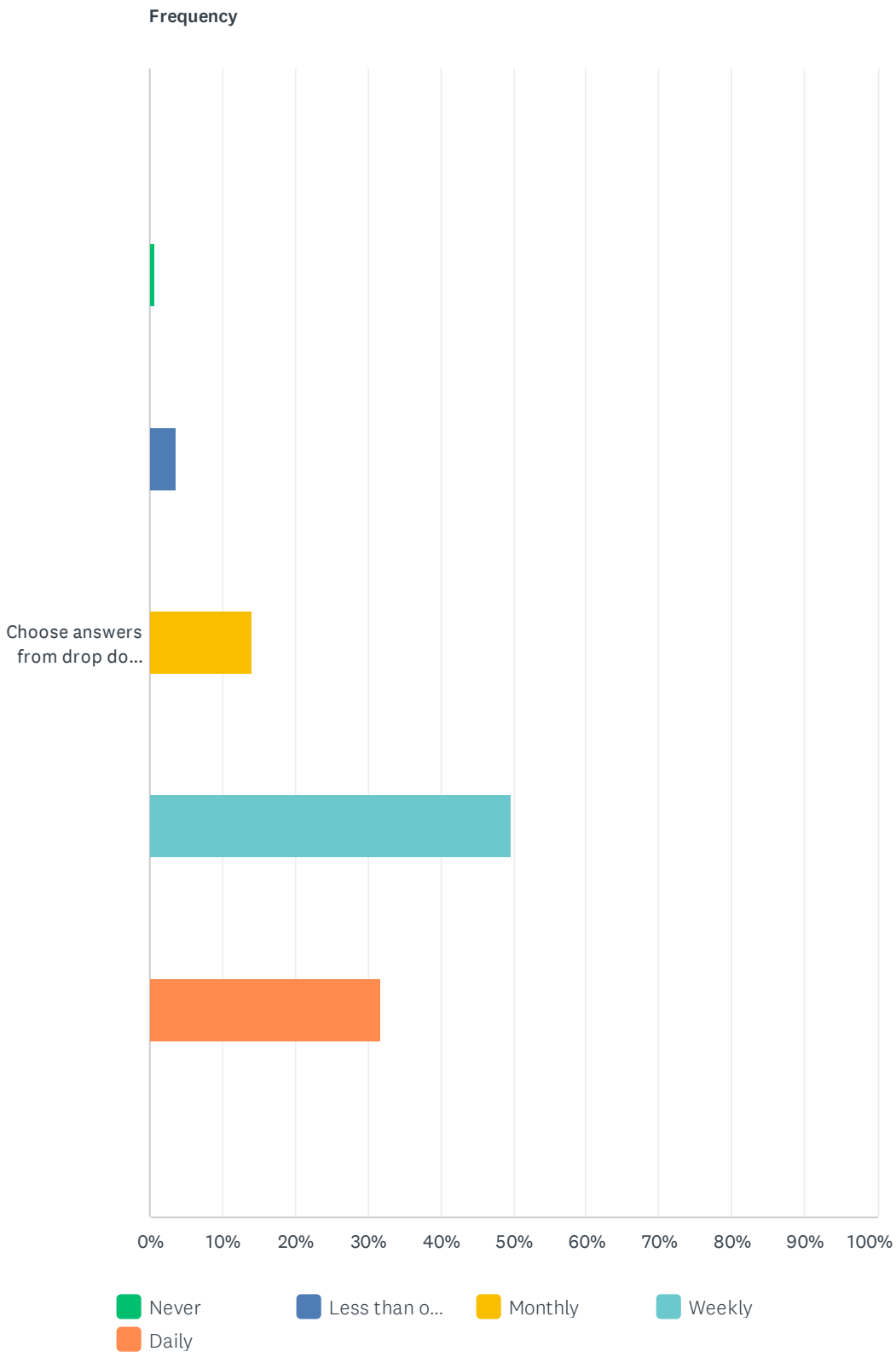

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 1.87%<br>10 | 14.93%<br>80 | 83.21%<br>446 | 536 |

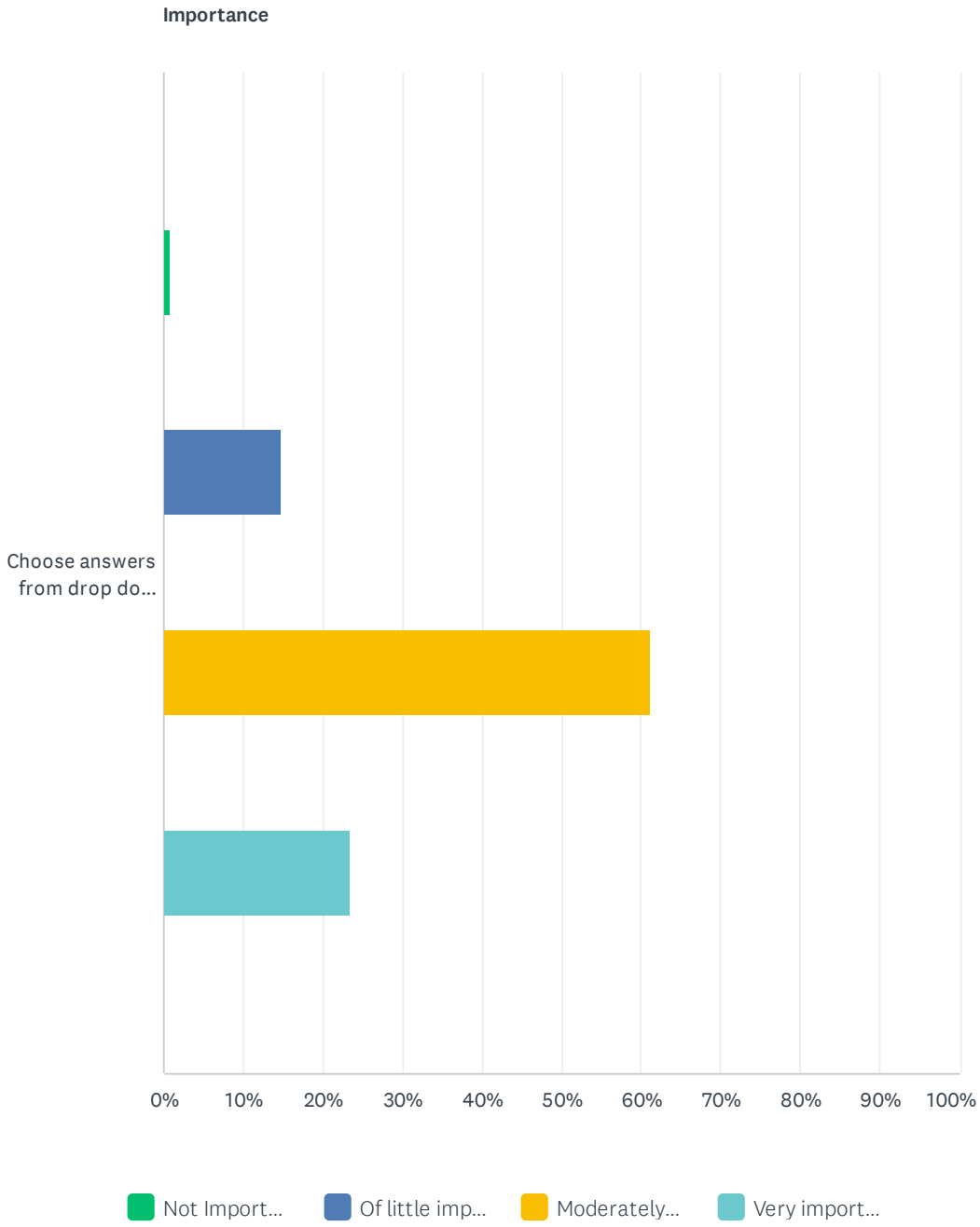
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.19%<br>1 | 20.31%<br>105 | 79.50%<br>411 | 517 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.00%<br>0 | 8.45%<br>42 | 34.41%<br>171 | 57.14%<br>284 | <br>497 |

# Q17 1.2.2.1 Imaging studies.

Answered: 536 Skipped: 674

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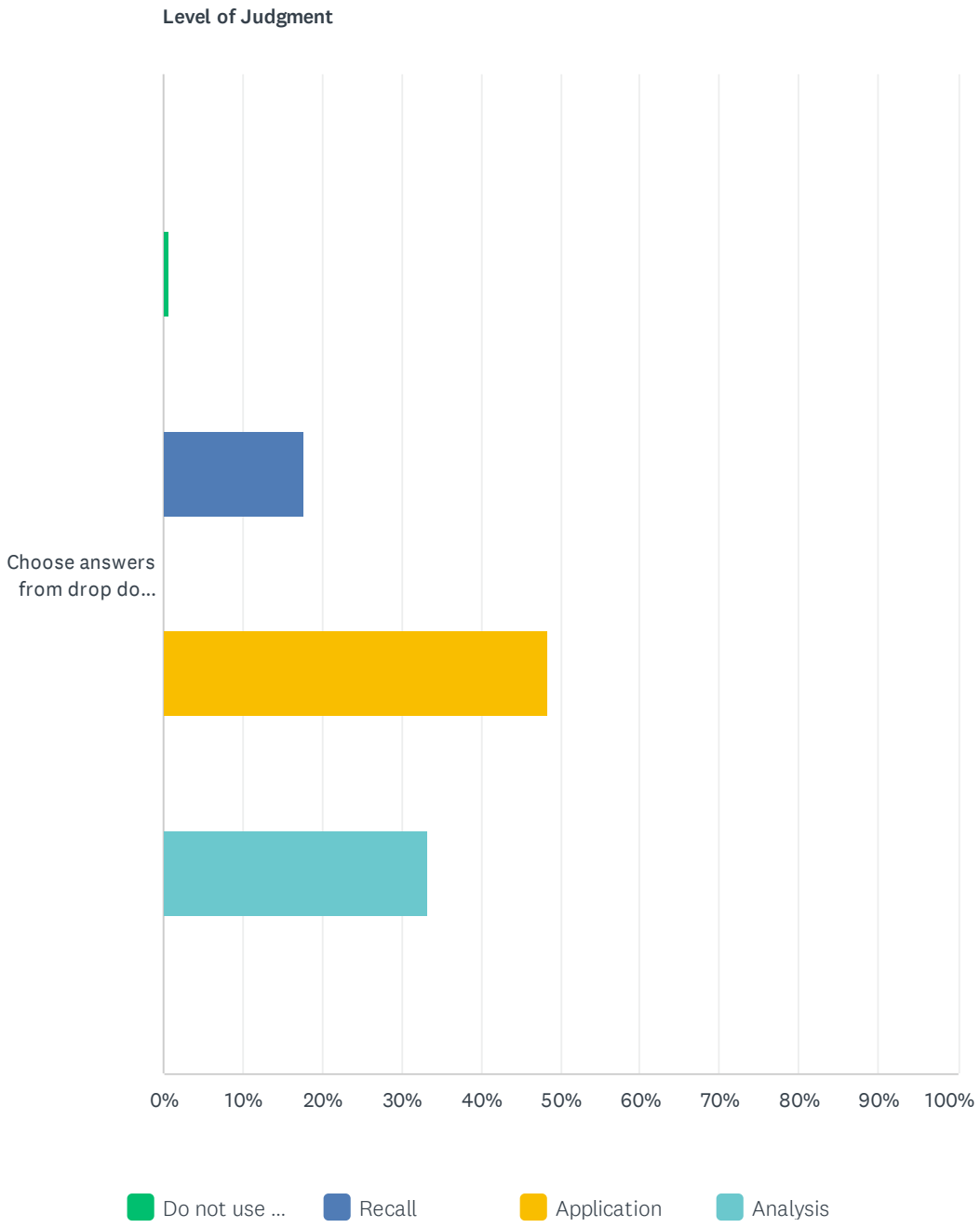


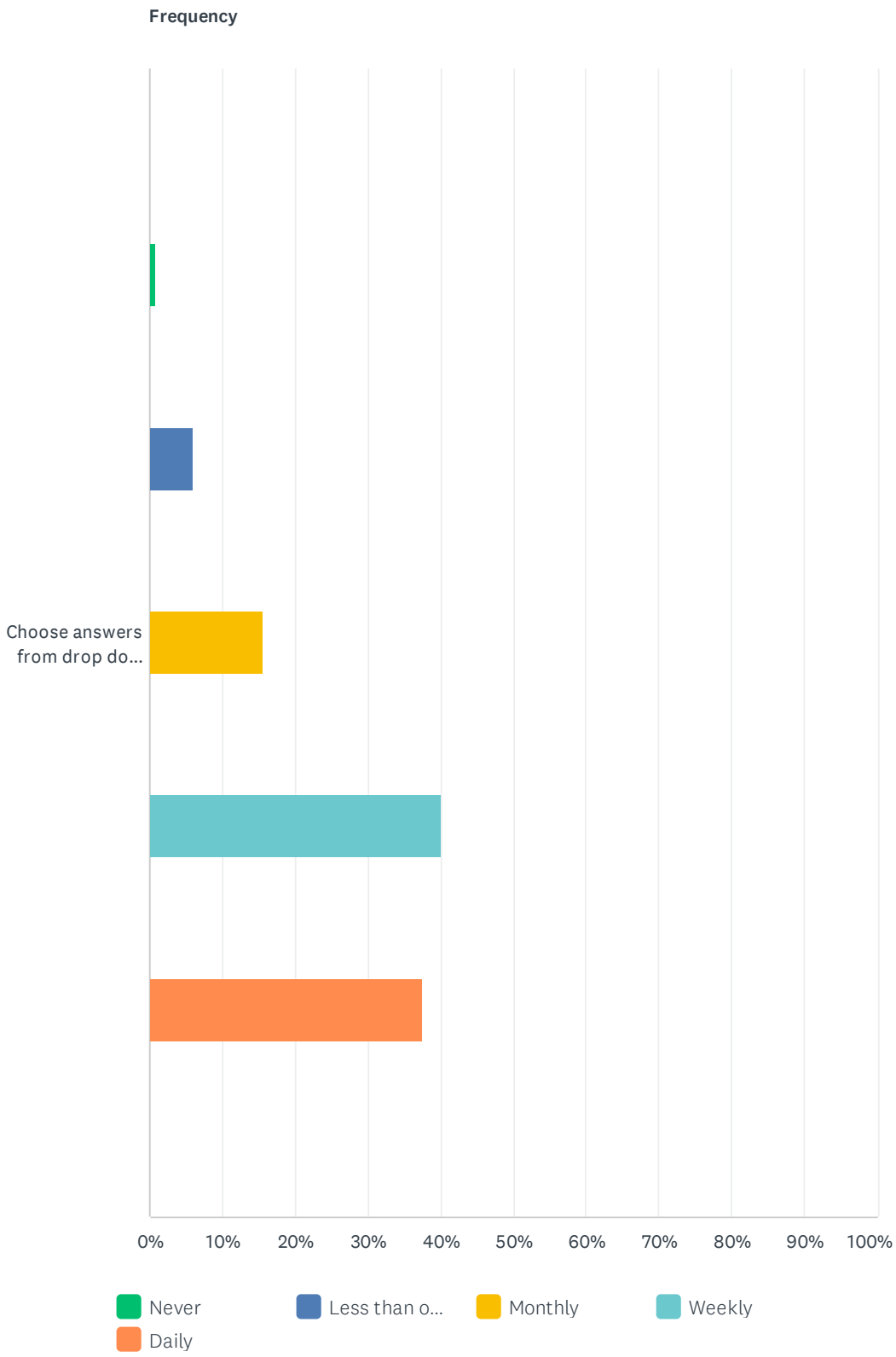

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.75%<br>4 | 3.73%<br>20 | 14.18%<br>76 | 49.63%<br>266 | 31.72%<br>170 | 536 |

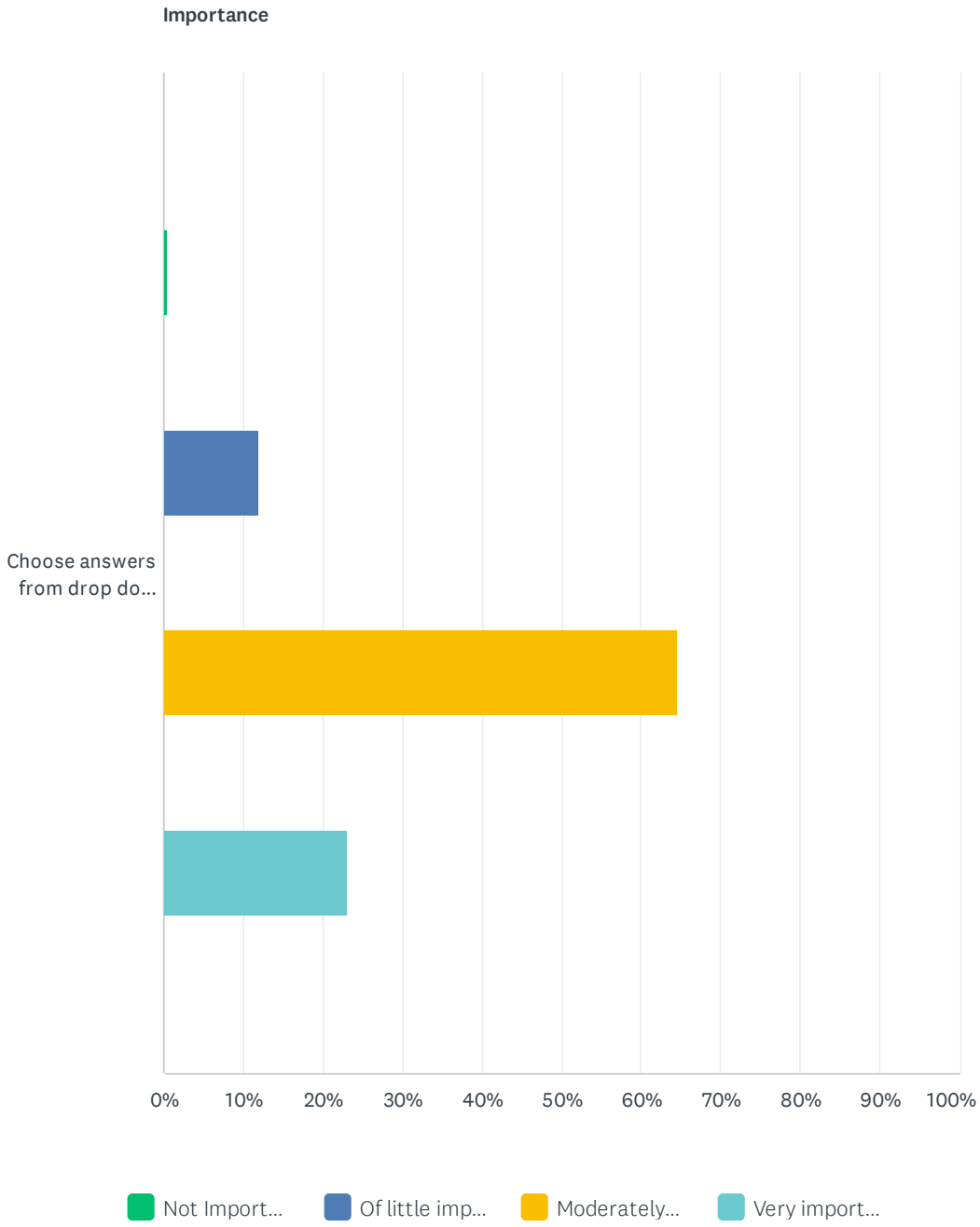
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.77%<br>4 | 14.67%<br>76 | 61.20%<br>317 | 23.36%<br>121 | 518 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.60%<br>3 | 17.64%<br>88 | 48.50%<br>242 | 33.27%<br>166 | <br>499 |

# Q18 1.2.2.2 Pharmacology.

Answered: 535 Skipped: 675

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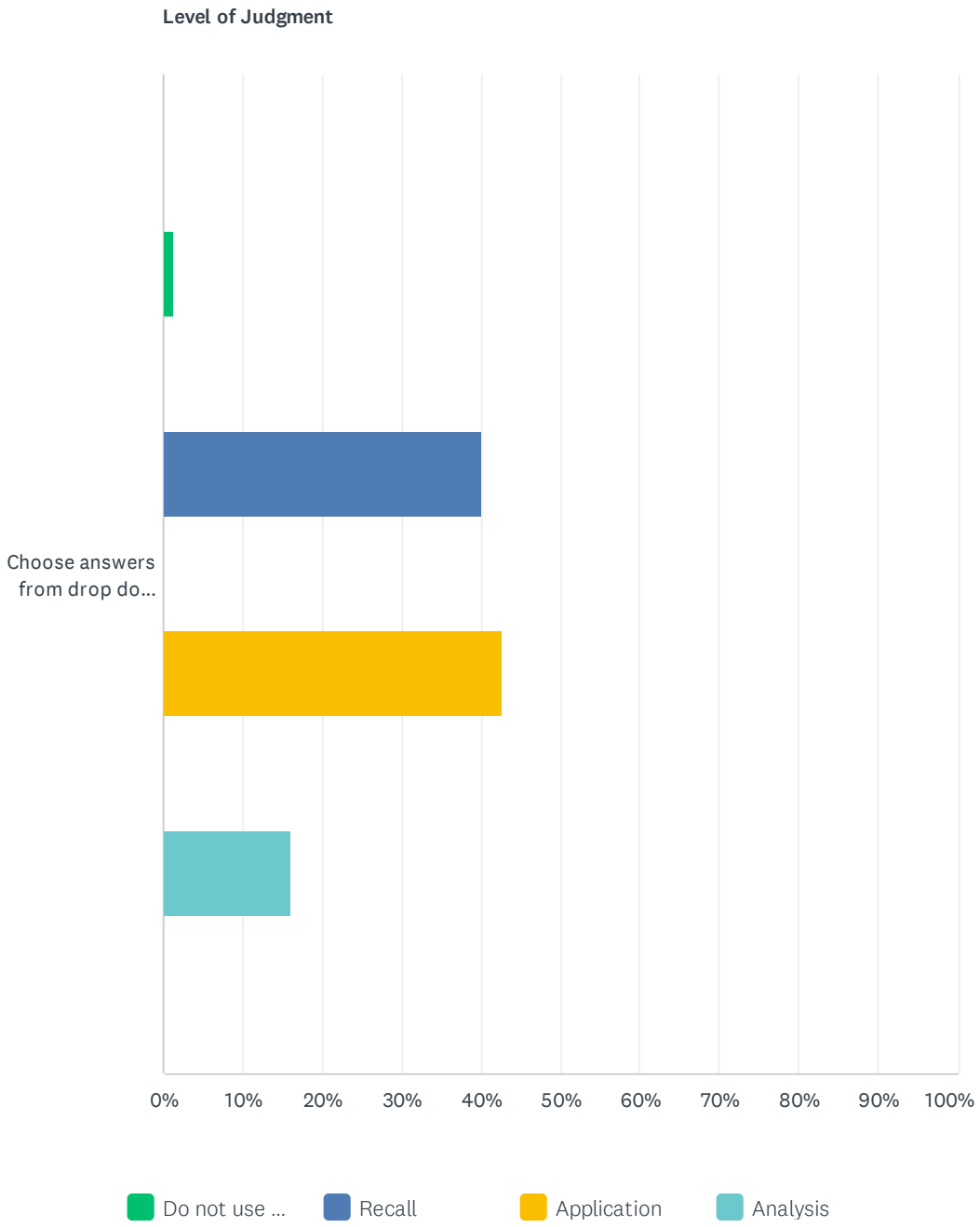


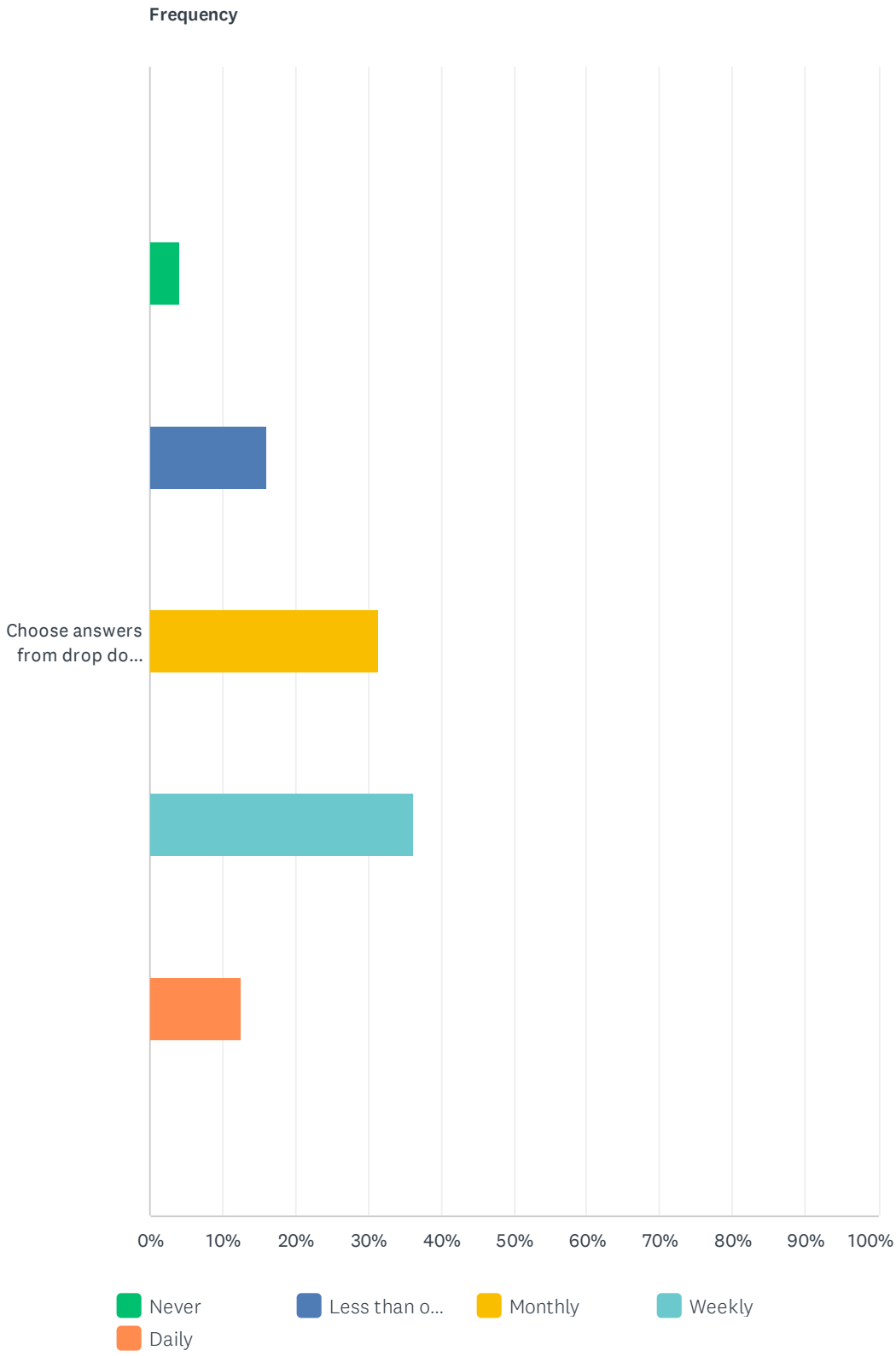

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.75%<br>4 | 5.98%<br>32 | 15.51%<br>83 | 40.19%<br>215 | 37.57%<br>201 | 535 |

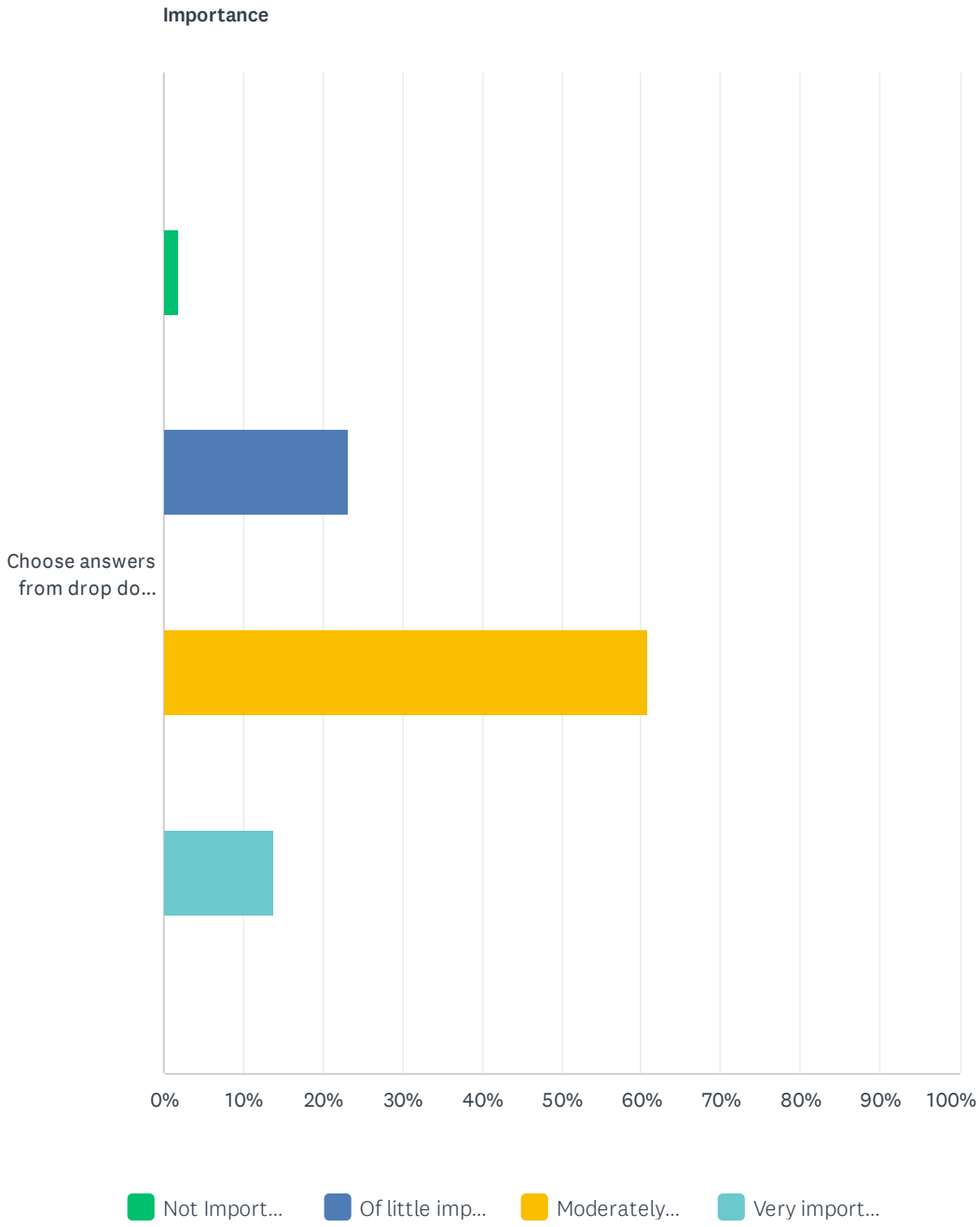
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.39%<br>2 | 11.99%<br>62 | 64.60%<br>334 | 23.02%<br>119 | 517 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 1.20%<br>6 | 40.16%<br>200 | 42.57%<br>212 | 16.06%<br>80 | 498 |

# Q19 1.2.2.3 Ancillary tests (e.g., lab studies, EKG, electrophysiological exams).

Answered: 534 Skipped: 676

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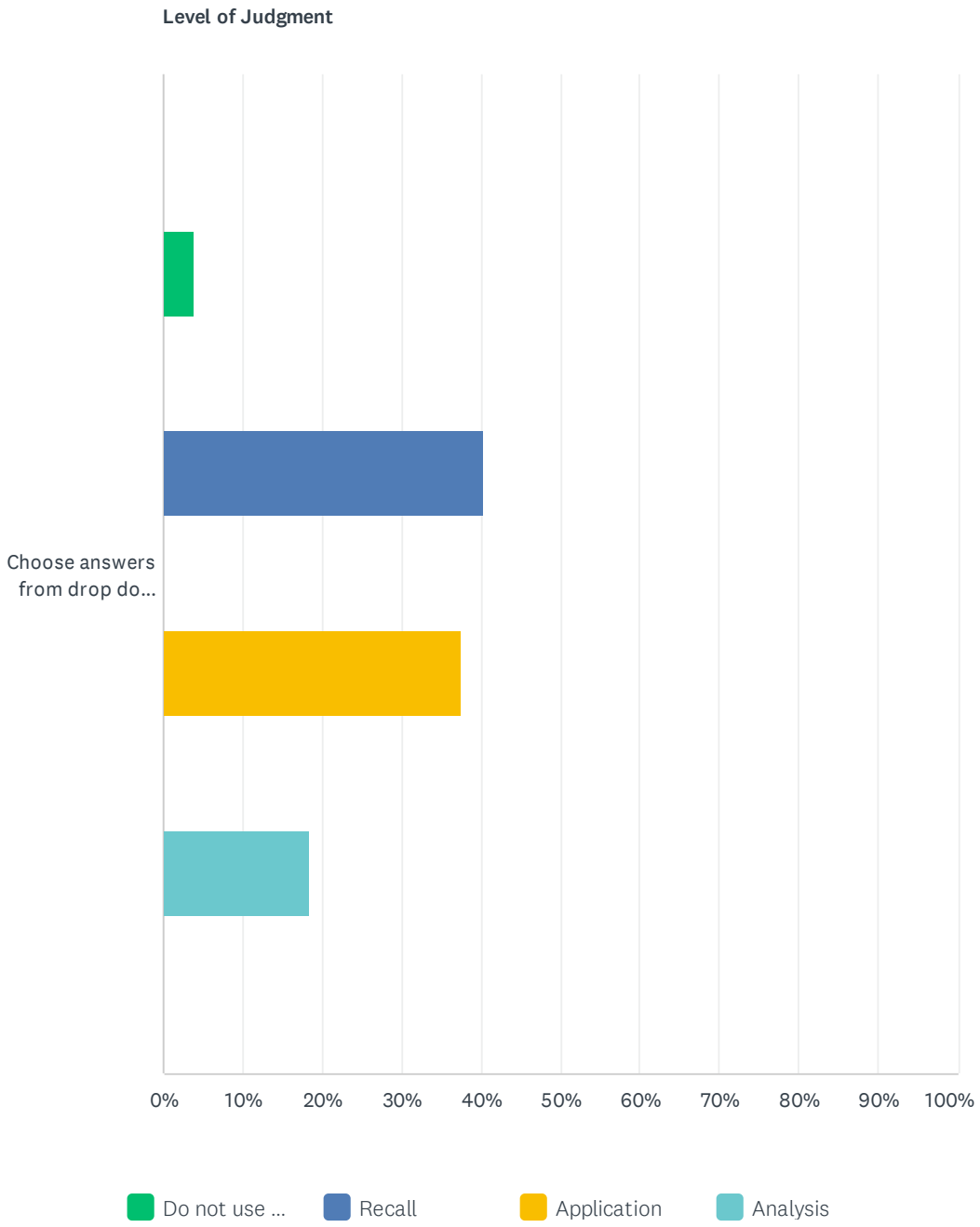


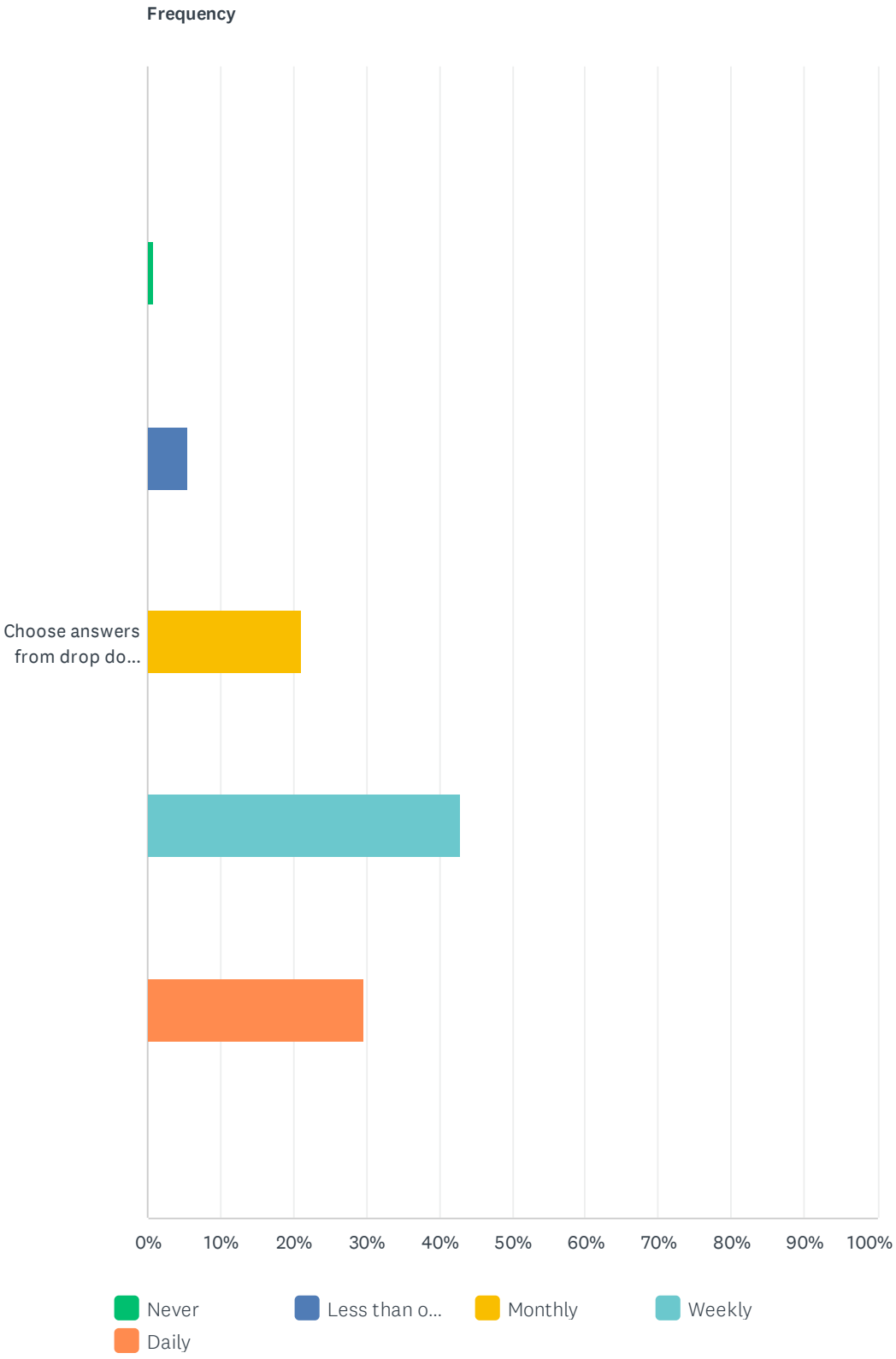

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 4.12%<br>22 | 15.92%<br>85 | 31.27%<br>167 | 36.14%<br>193 | 12.55%<br>67 | 534 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.94%<br>10 | 23.26%<br>120 | 60.85%<br>314 | 13.95%<br>72 | 516 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 3.83%<br>19 | 40.32%<br>200 | 37.50%<br>186 | 18.35%<br>91 | <br>496 |

# Q20 1.2.2.4 Nonsurgical interventional spine procedures (e.g., injections, radial ablation, denervation procedures) and their indications, contraindications, and precautions for orthopaedic spine physical therapy.

Answered: 533 Skipped: 677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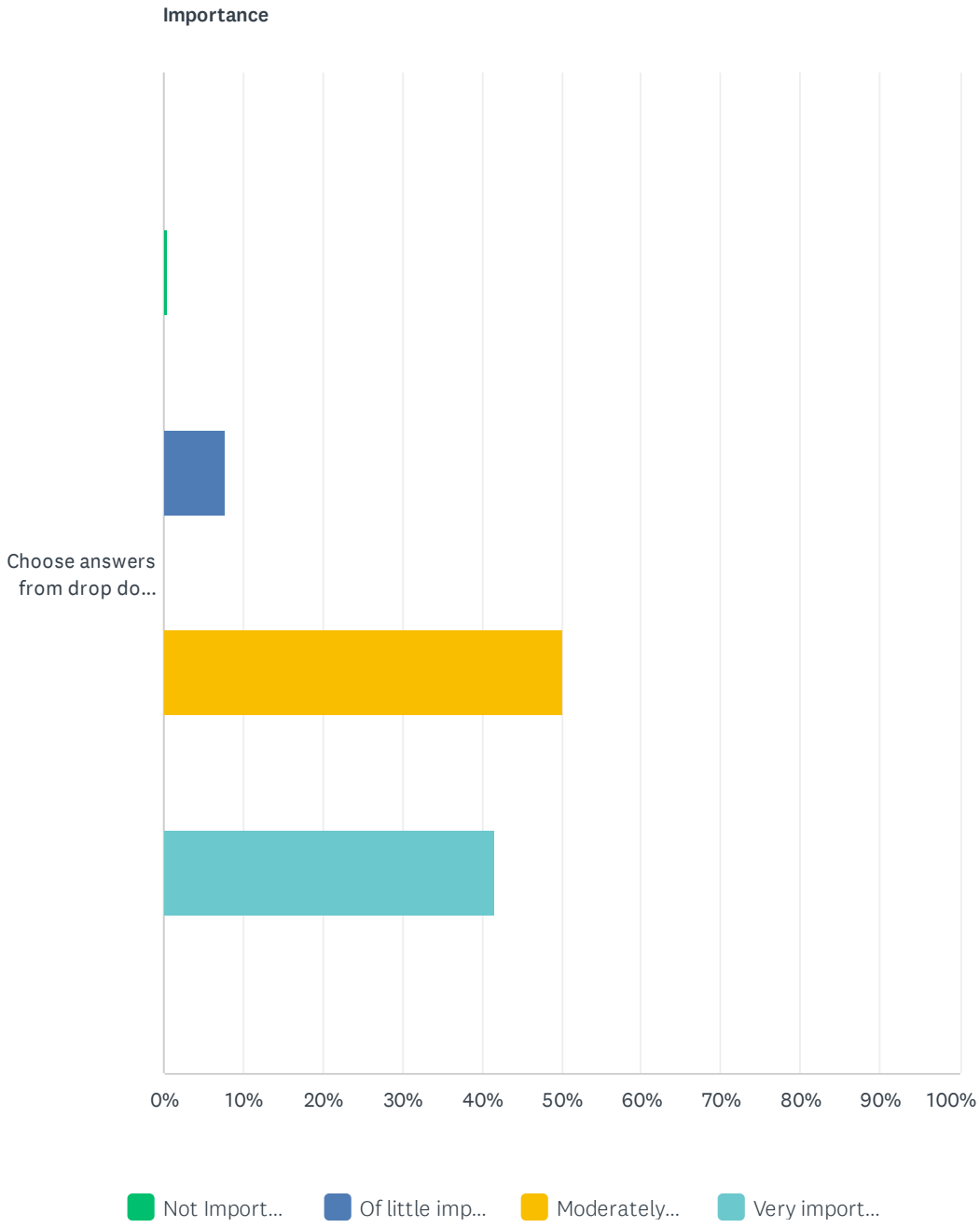
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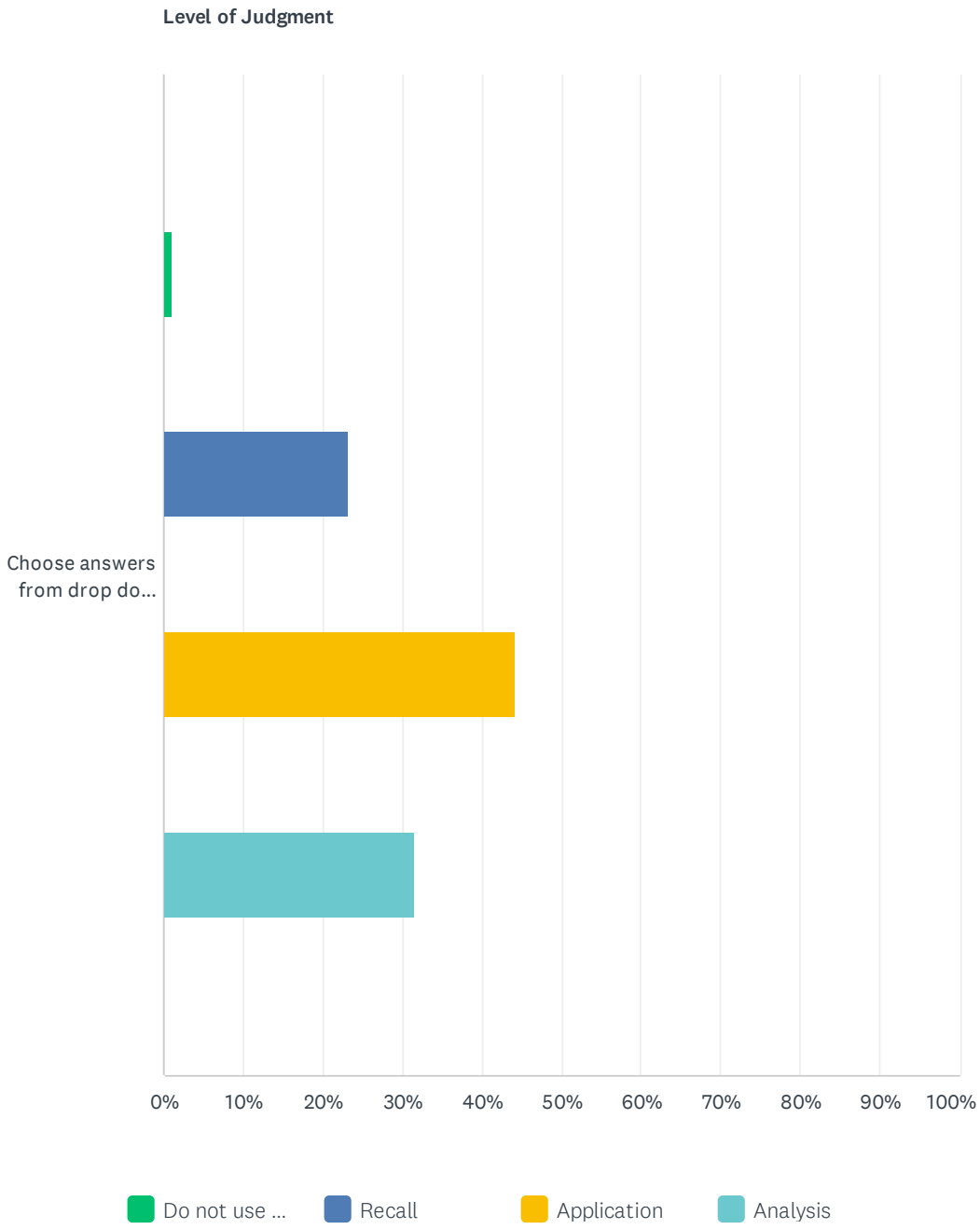


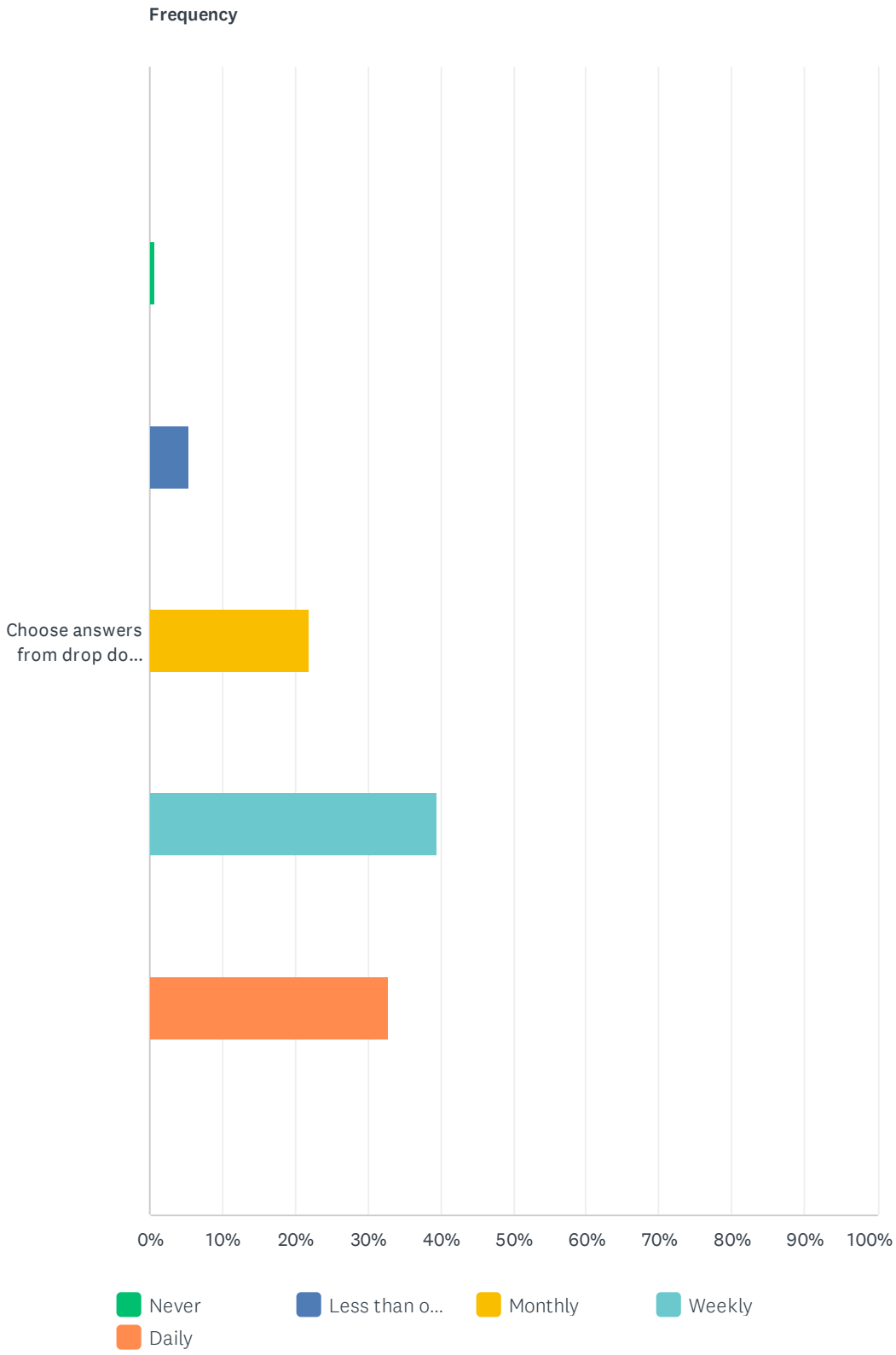

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.94%<br>5 | 5.44%<br>29 | 21.20%<br>113 | 42.78%<br>228 | 29.64%<br>158 | 533 |

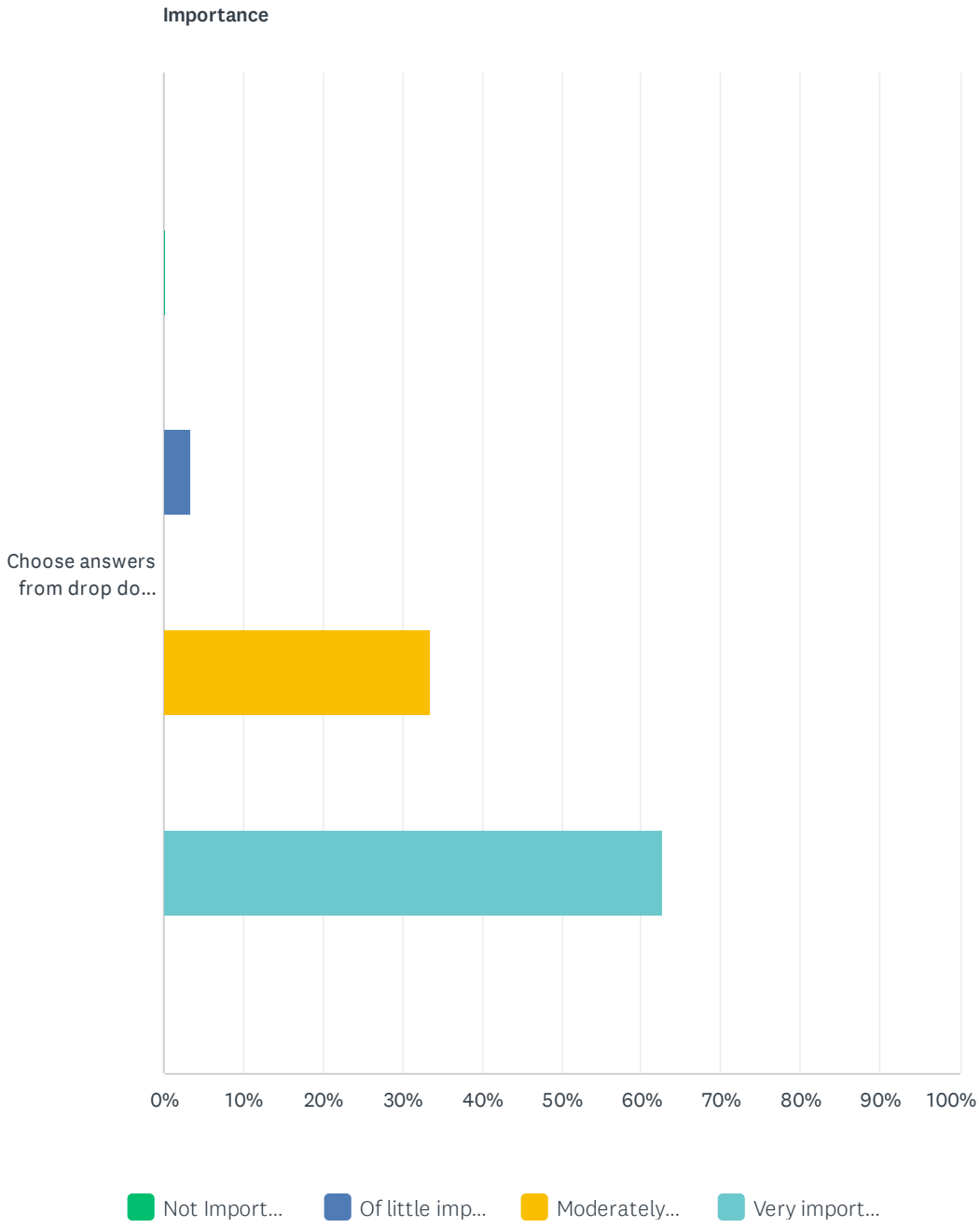
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.39%<br>2 | 7.78%<br>40 | 50.19%<br>258 | 41.63%<br>214 | 514 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 1.01%<br>5 | 23.34%<br>116 | 44.06%<br>219 | 31.59%<br>157 | <br>497 |

# Q21 1.2.2.5 Spine surgical interventions and their indications, contraindications, and precautions for orthopaedic spine physical therapy.

Answered: 534 Skipped: 676

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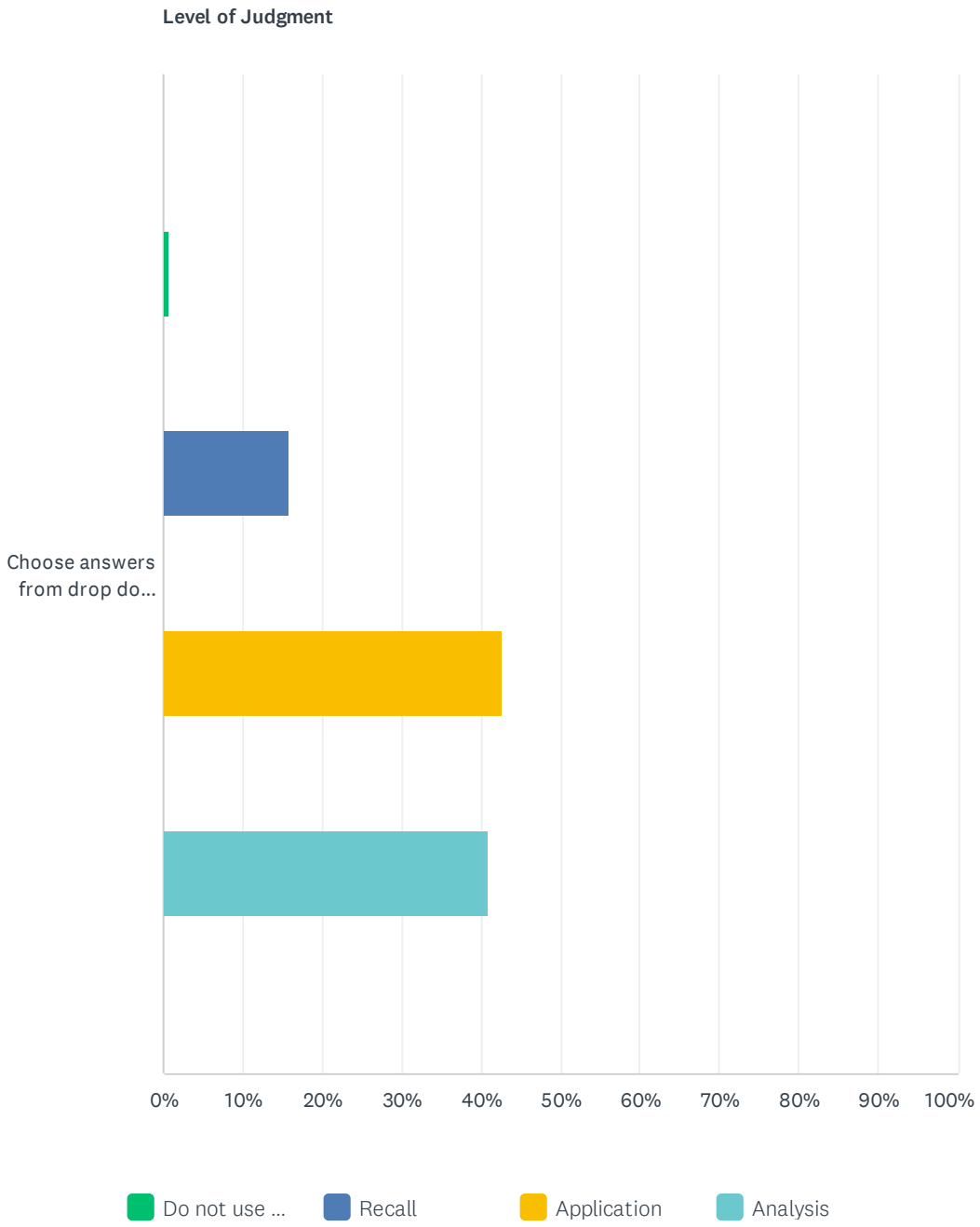


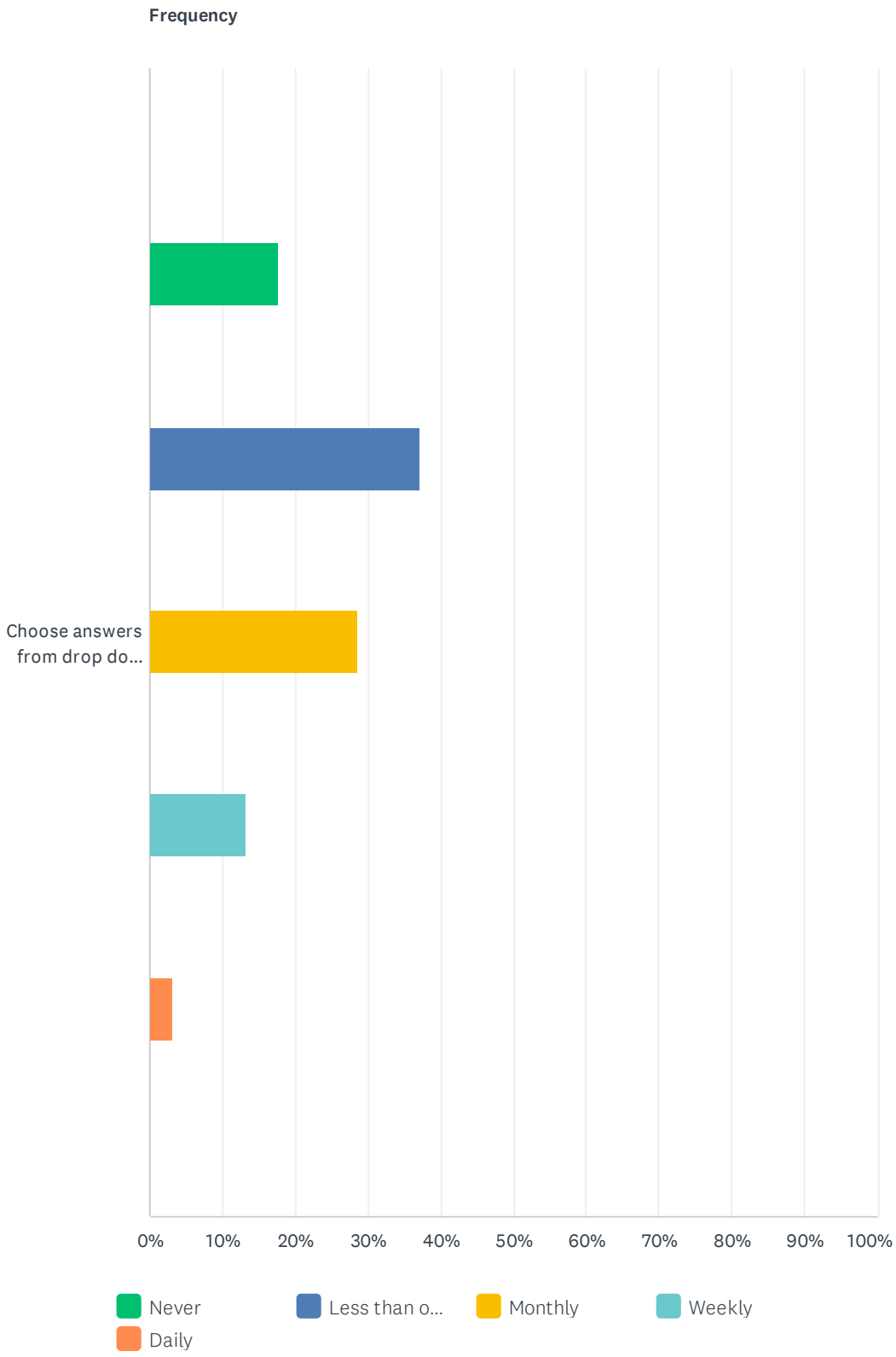

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.56%<br>3 | 5.24%<br>28 | 21.91%<br>117 | 39.51%<br>211 | 32.77%<br>175 | 534 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.19%<br>1 | 3.49%<br>18 | 33.53%<br>173 | 62.79%<br>324 | 516 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.60%<br>3 | 15.86%<br>79 | 42.57%<br>212 | 40.96%<br>204 | <br>498 |

# Q22 1.2.2.6 Developments in genetics/regenerative medicine (e.g., genetic markers, stem cell applications, genetic-based alterations to pharmacological interventions, immunity.

Answered: 534 Skipped: 676


Frequency
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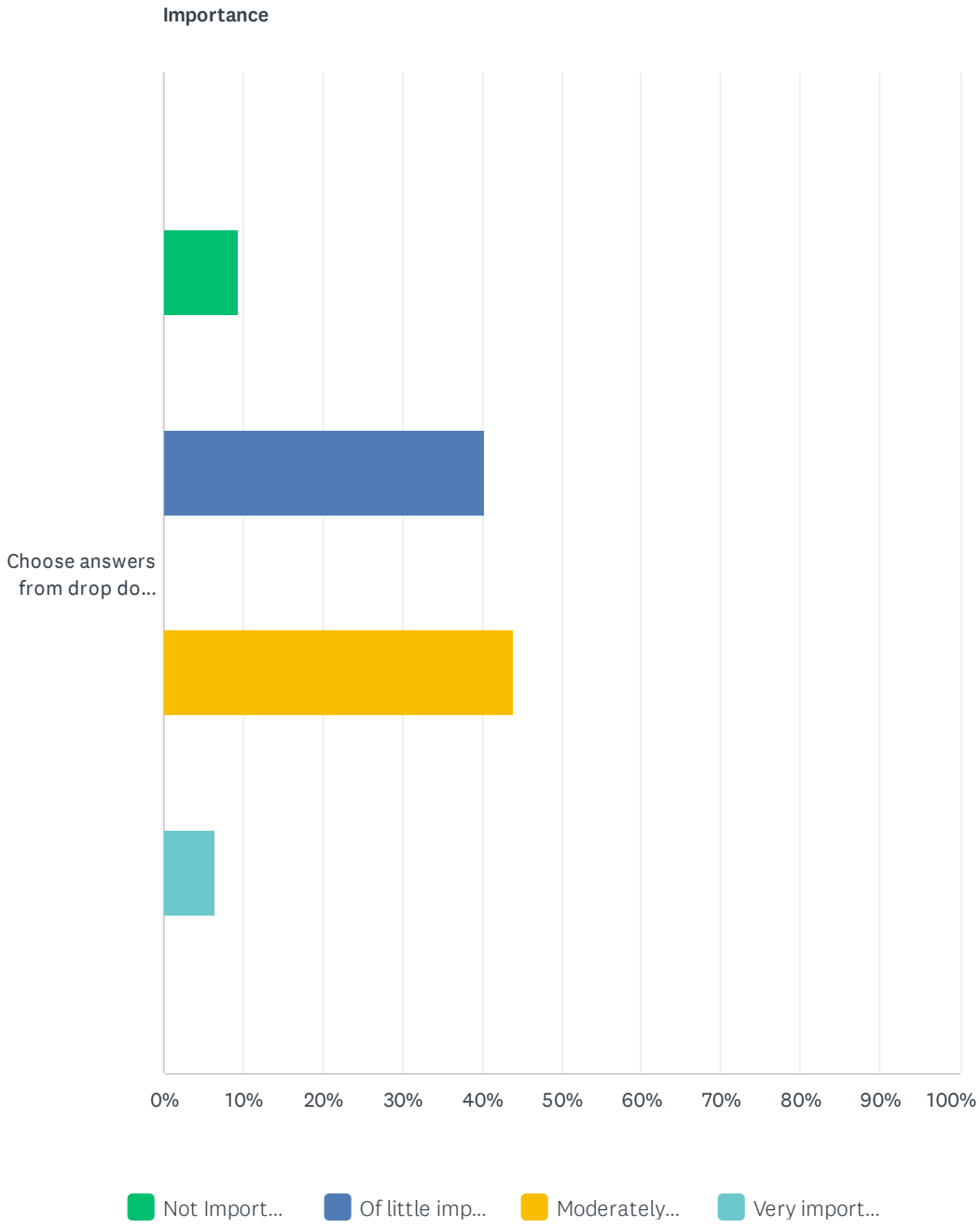
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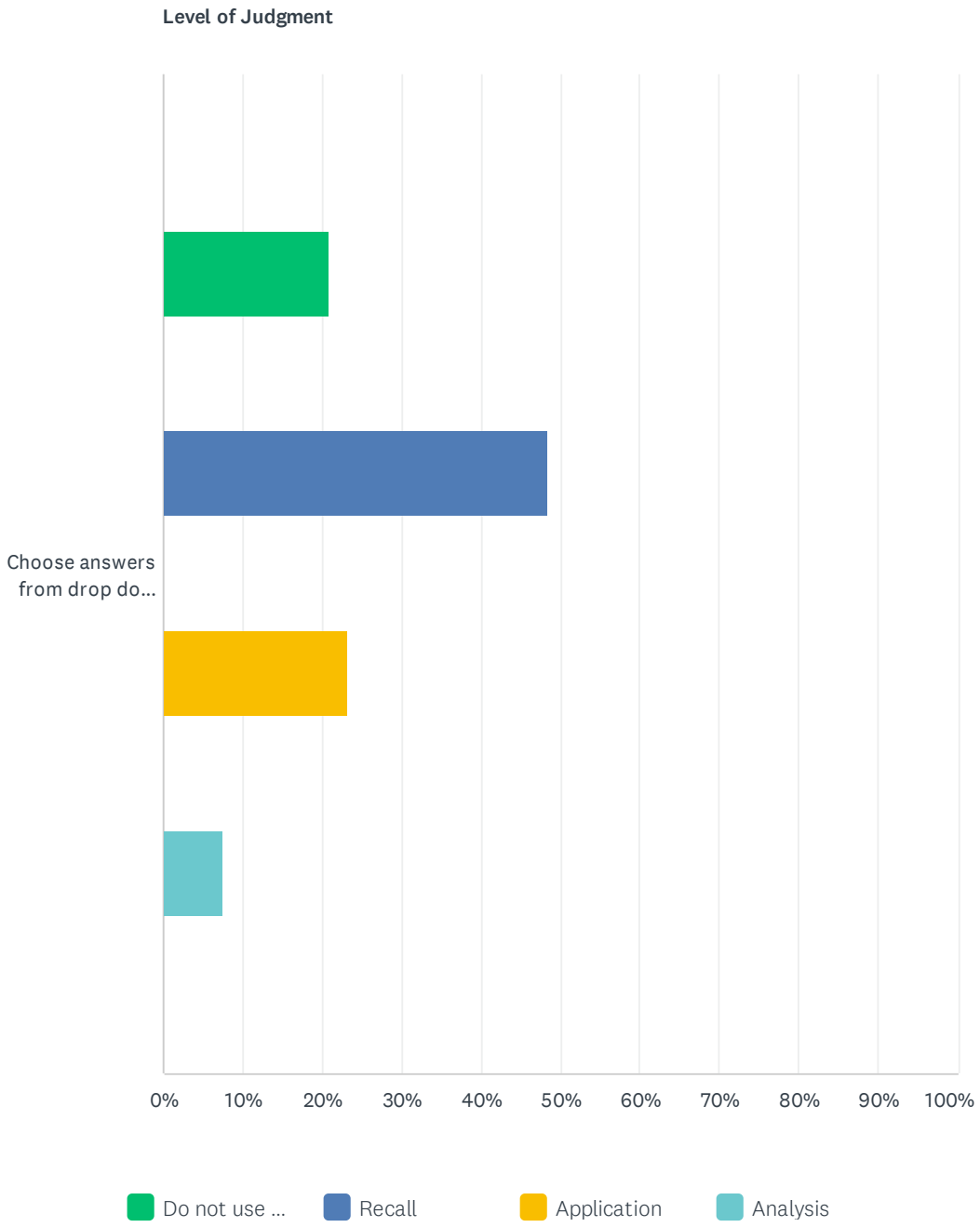


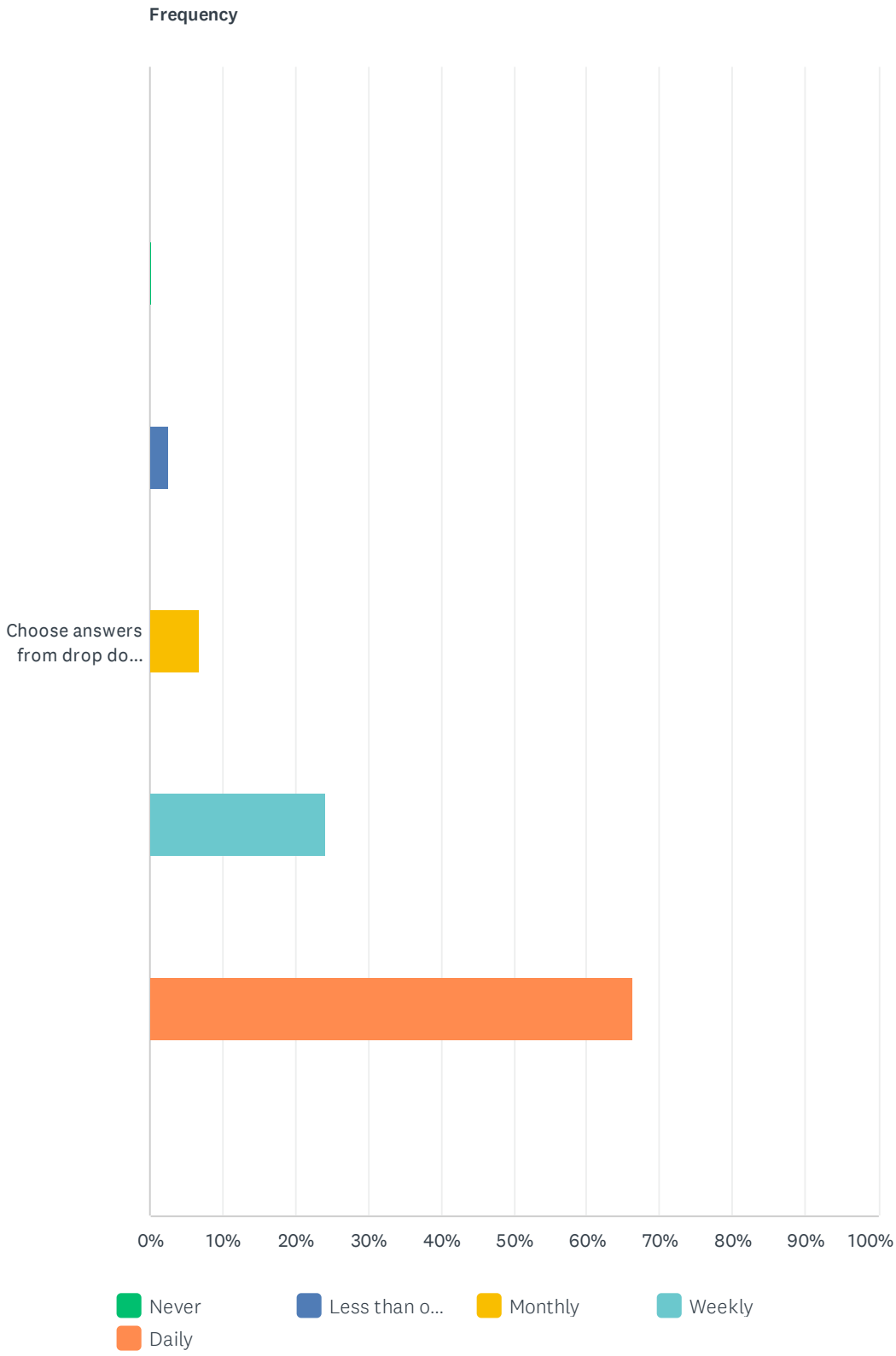

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 17.79%<br>95 | 37.08%<br>198 | 28.65%<br>153 | 13.30%<br>71 | 3.18%<br>17 | 534 |

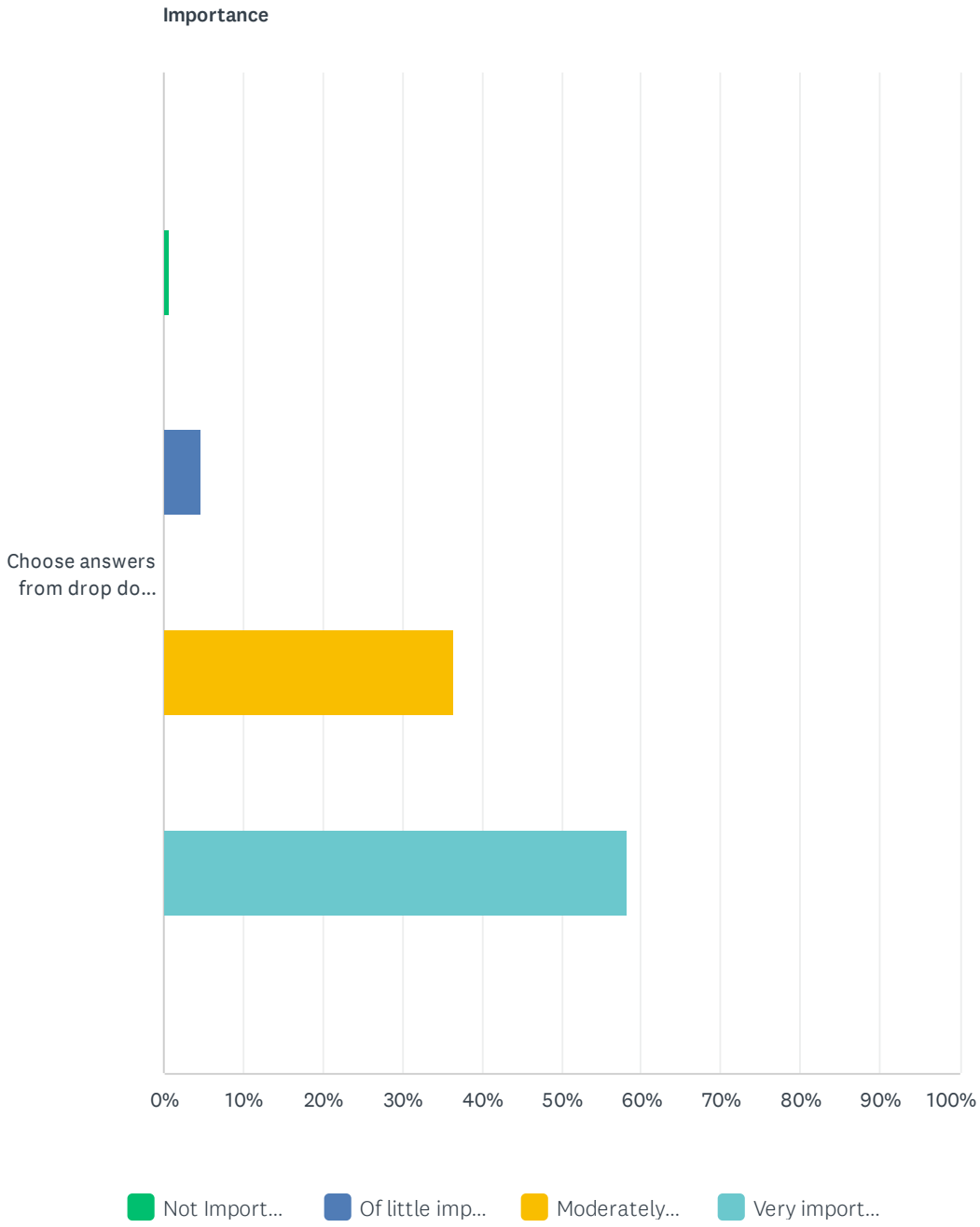
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 9.34%<br>48 | 40.27%<br>207 | 43.97%<br>226 | 6.42%<br>33 | 514 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 20.97%<br>104 | 48.39%<br>240 | 23.19%<br>115 | 7.46%<br>37 | <br>496 |

# Q23 1.3.1.1 External environmental factors (e.g., expected behaviors and social pressures).

Answered: 489 Skipped: 721

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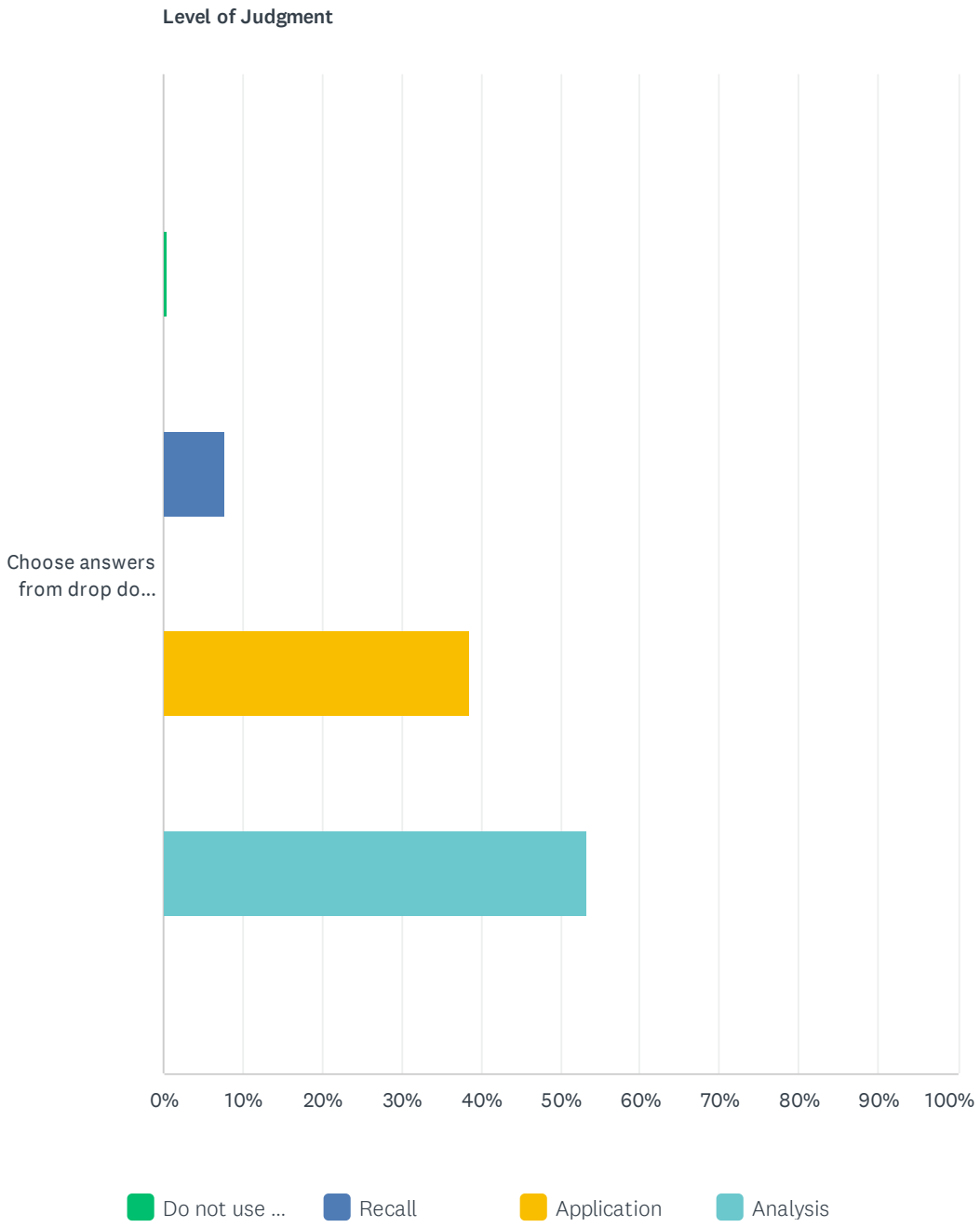


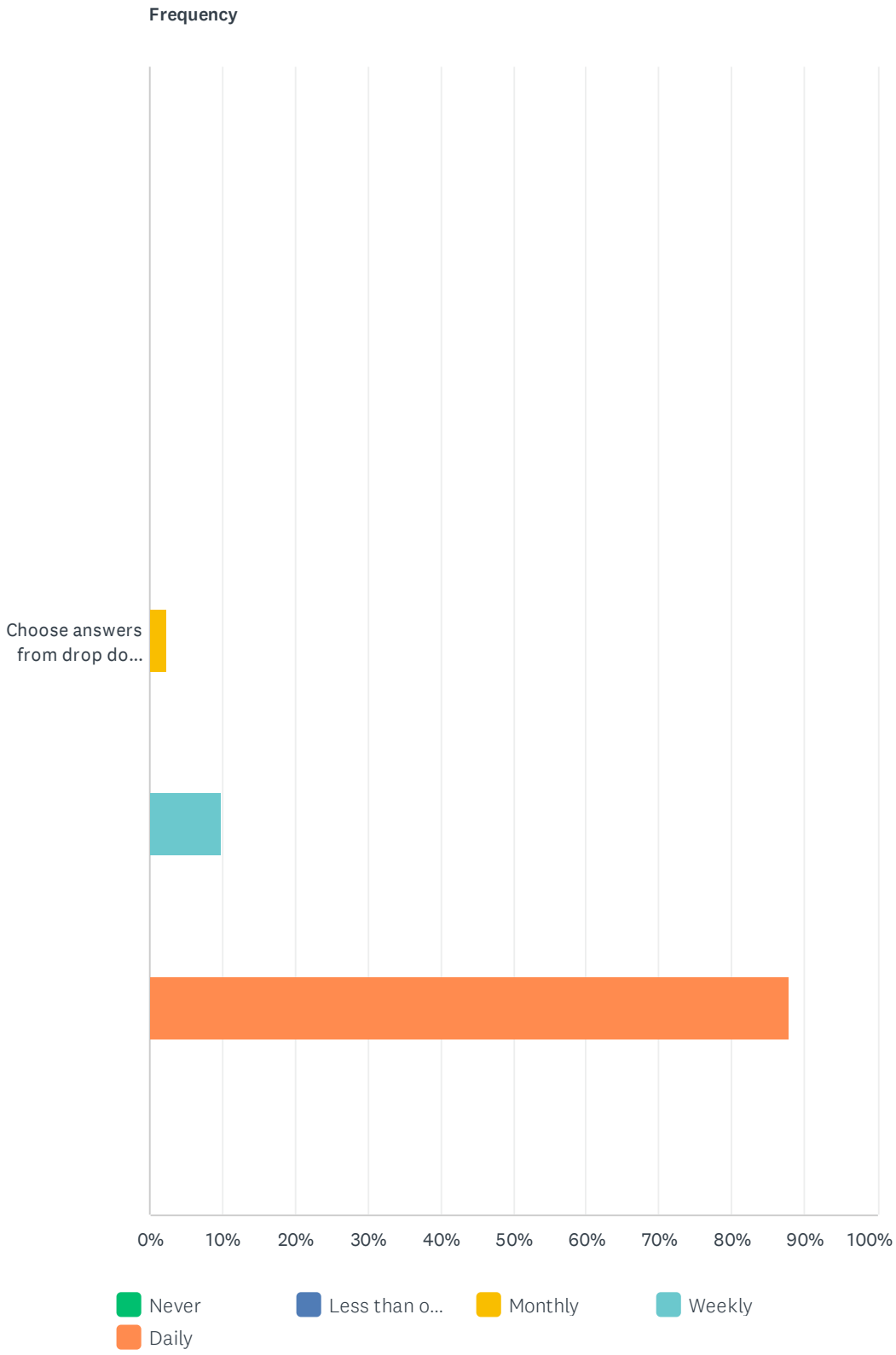

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.20%<br>1 | 2.66%<br>13 | 6.75%<br>33 | 24.13%<br>118 | 66.26%<br>324 | 489 |

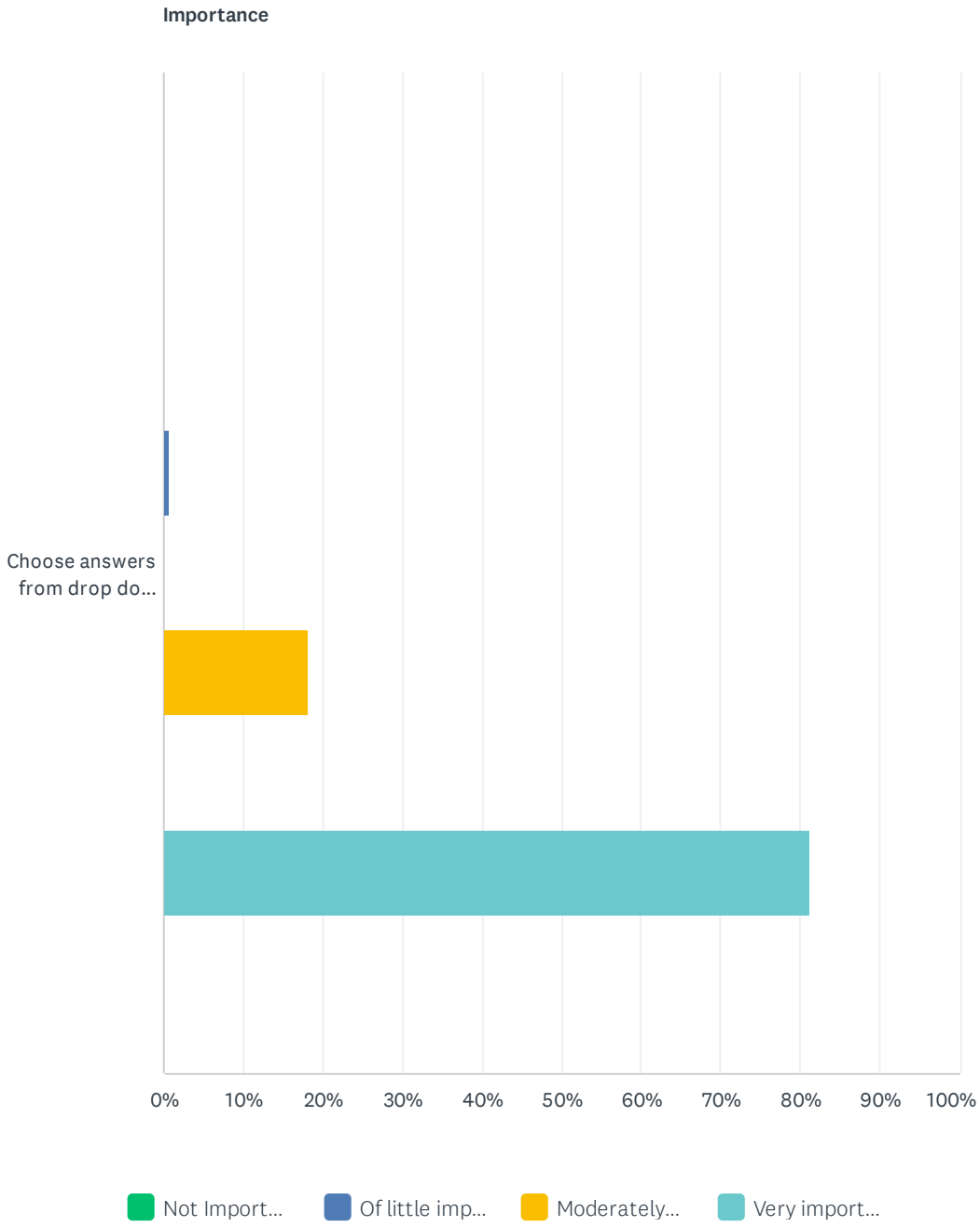
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.64%<br>3 | 4.67%<br>22 | 36.52%<br>172 | 58.17%<br>274 | 471 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.44%<br>2 | 7.73%<br>35 | 38.63%<br>175 | 53.20%<br>241 | <br>453 |

# Q24 1.3.1.2 Personal factors (e.g., compliance, body awareness, pain perception, and related psychosocial factors).

Answered: 487 Skipped: 723

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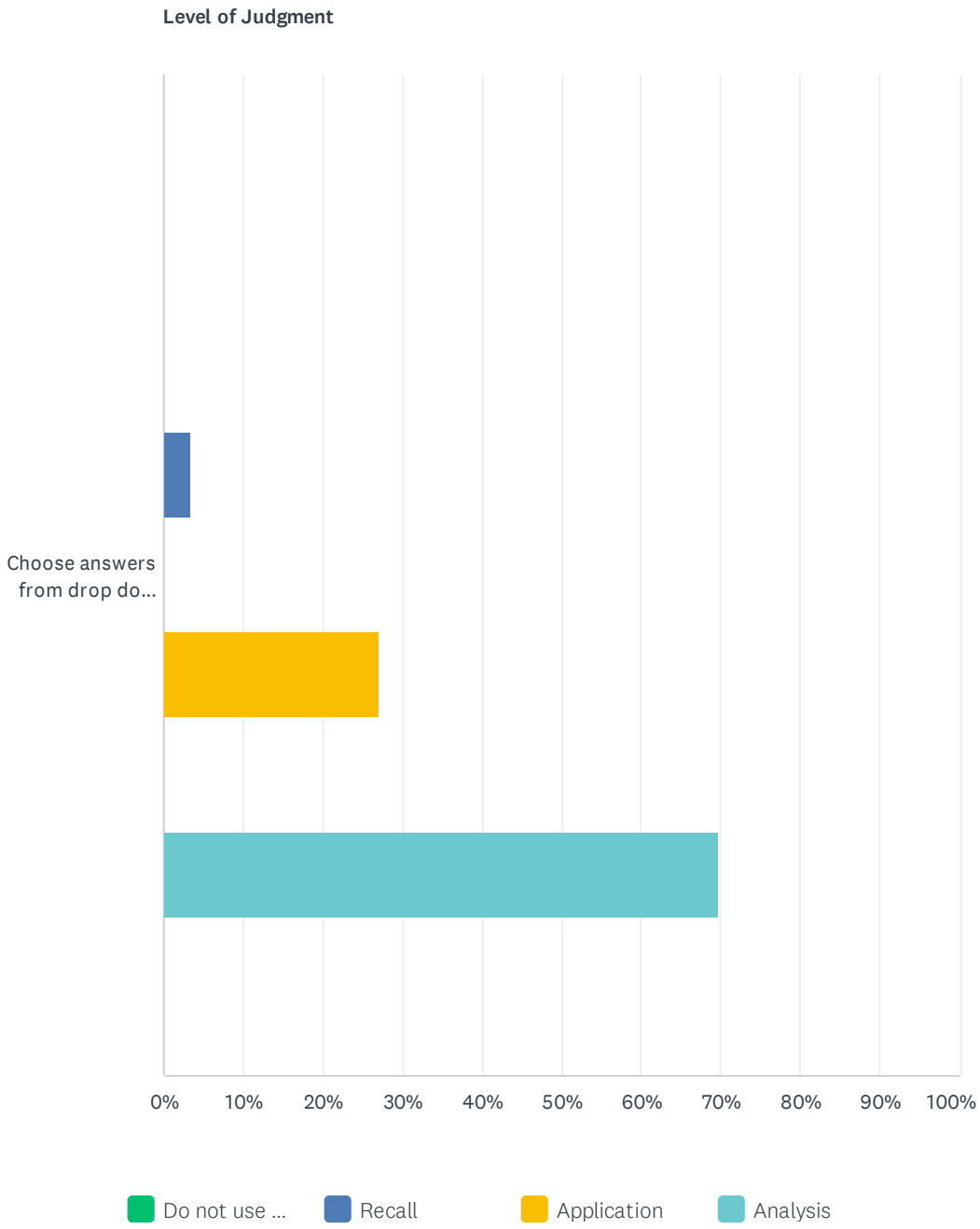


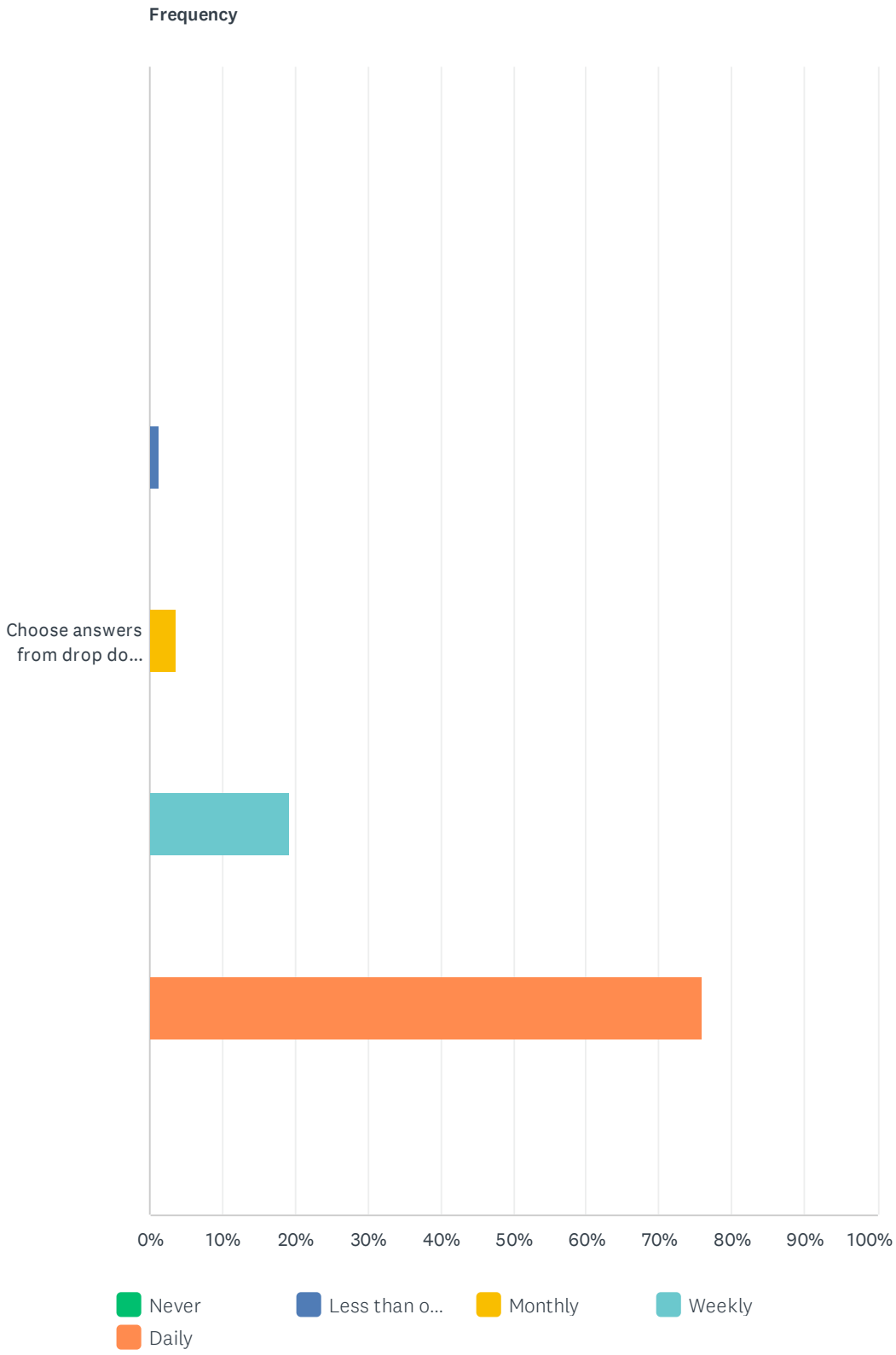

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 2.26%<br>11 | 9.86%<br>48 | 87.89%<br>428 | 487 |

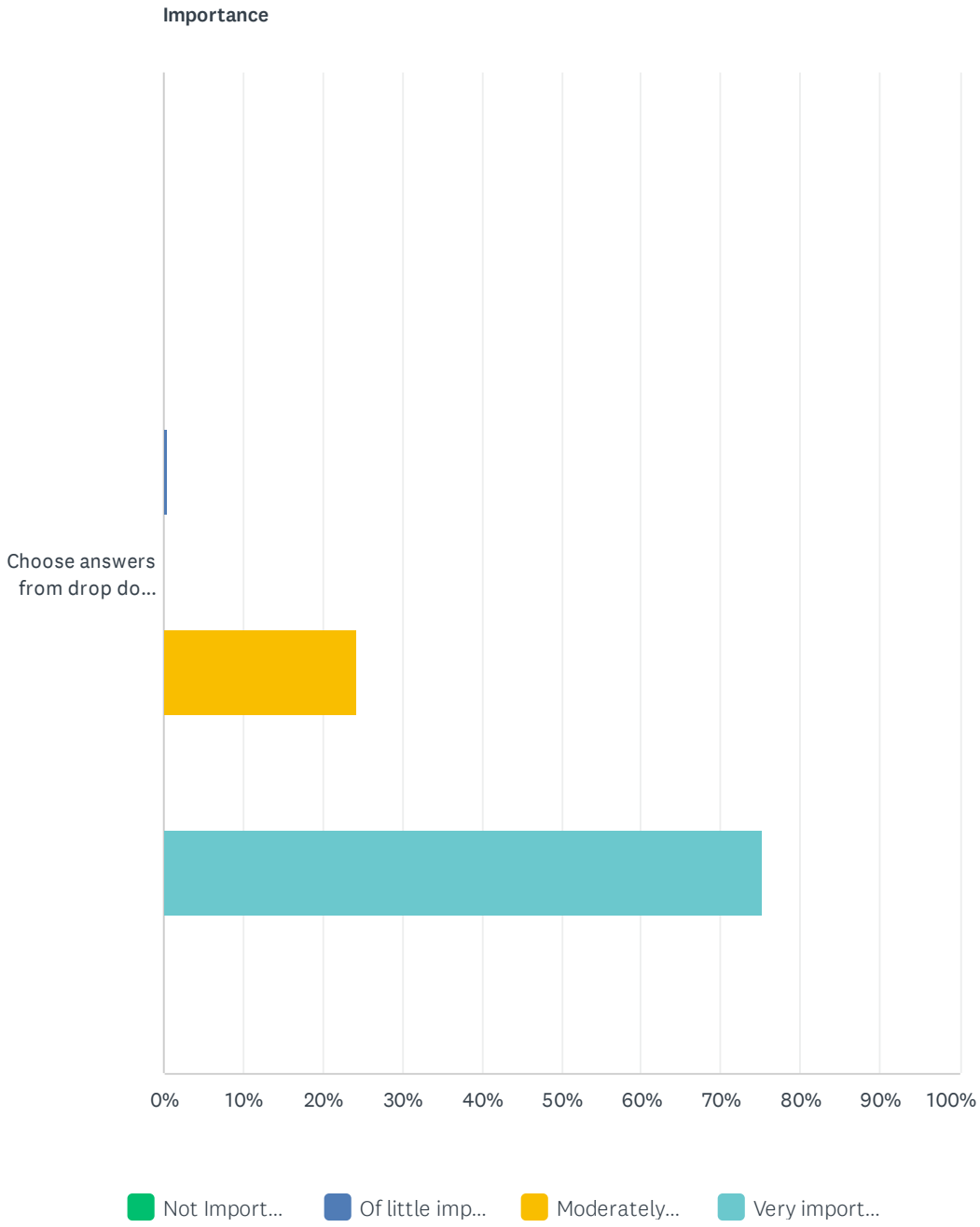
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.64%<br>3 | 18.09%<br>85 | 81.28%<br>382 | 470 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.00%<br>0 | 3.32%<br>15 | 26.99%<br>122 | 69.69%<br>315 | <br>452 |

# Q25 1.3.1.3 Psychological/emotional conditions (e.g., anxiety, depression, catastrophization).

Answered: 488 Skipped: 722

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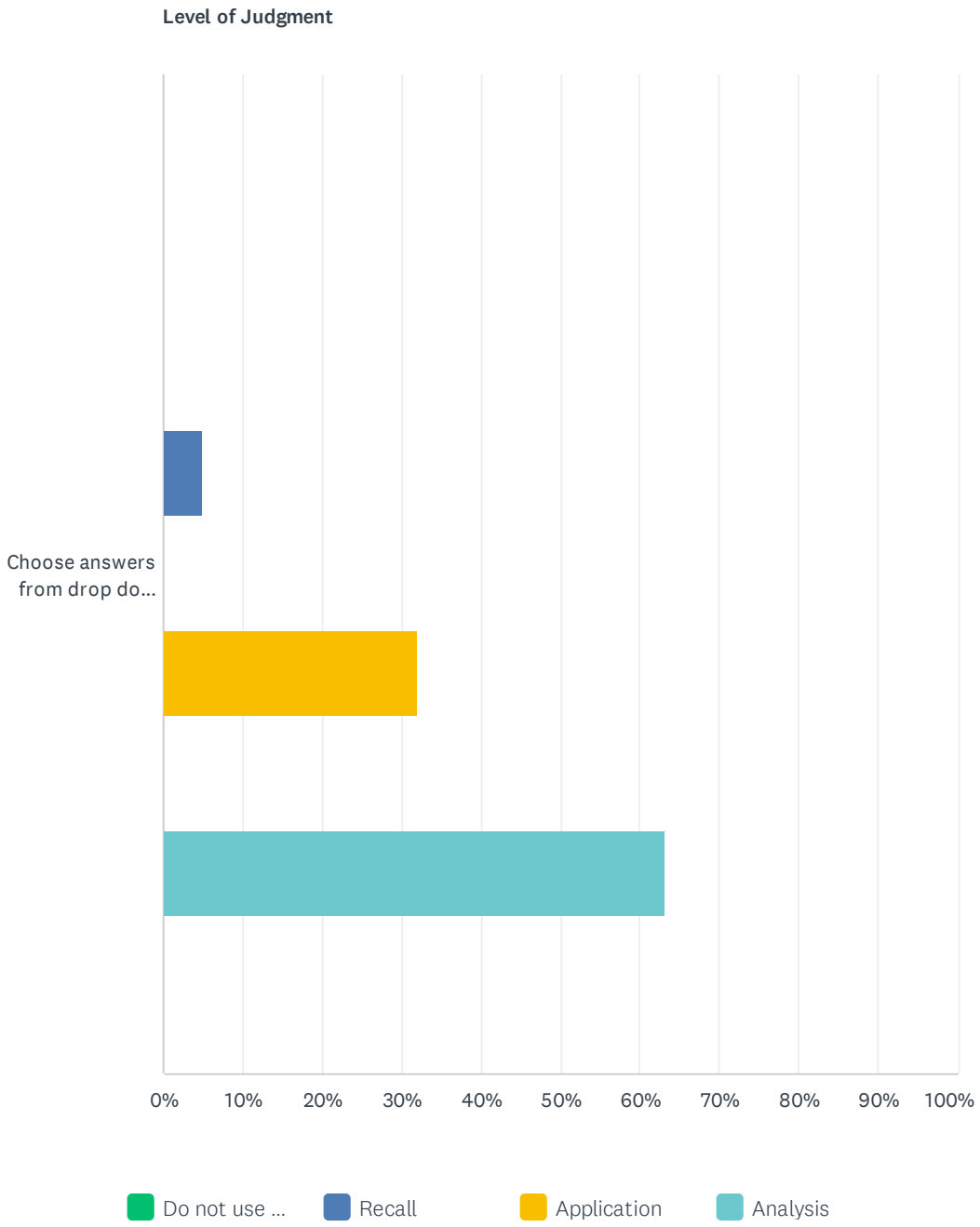


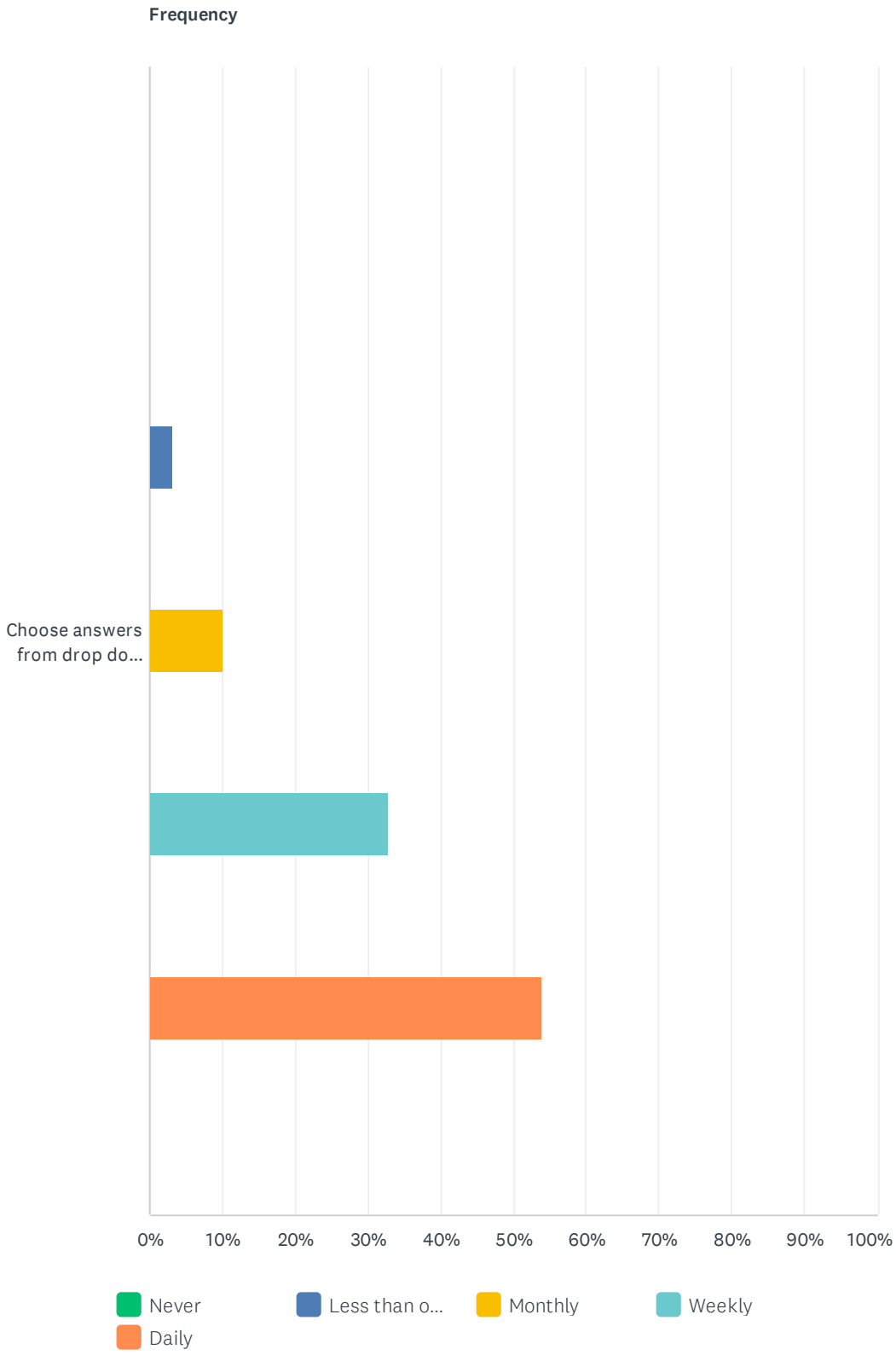

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.23%<br>6 | 3.69%<br>18 | 19.26%<br>94 | 75.82%<br>370 | 488 |

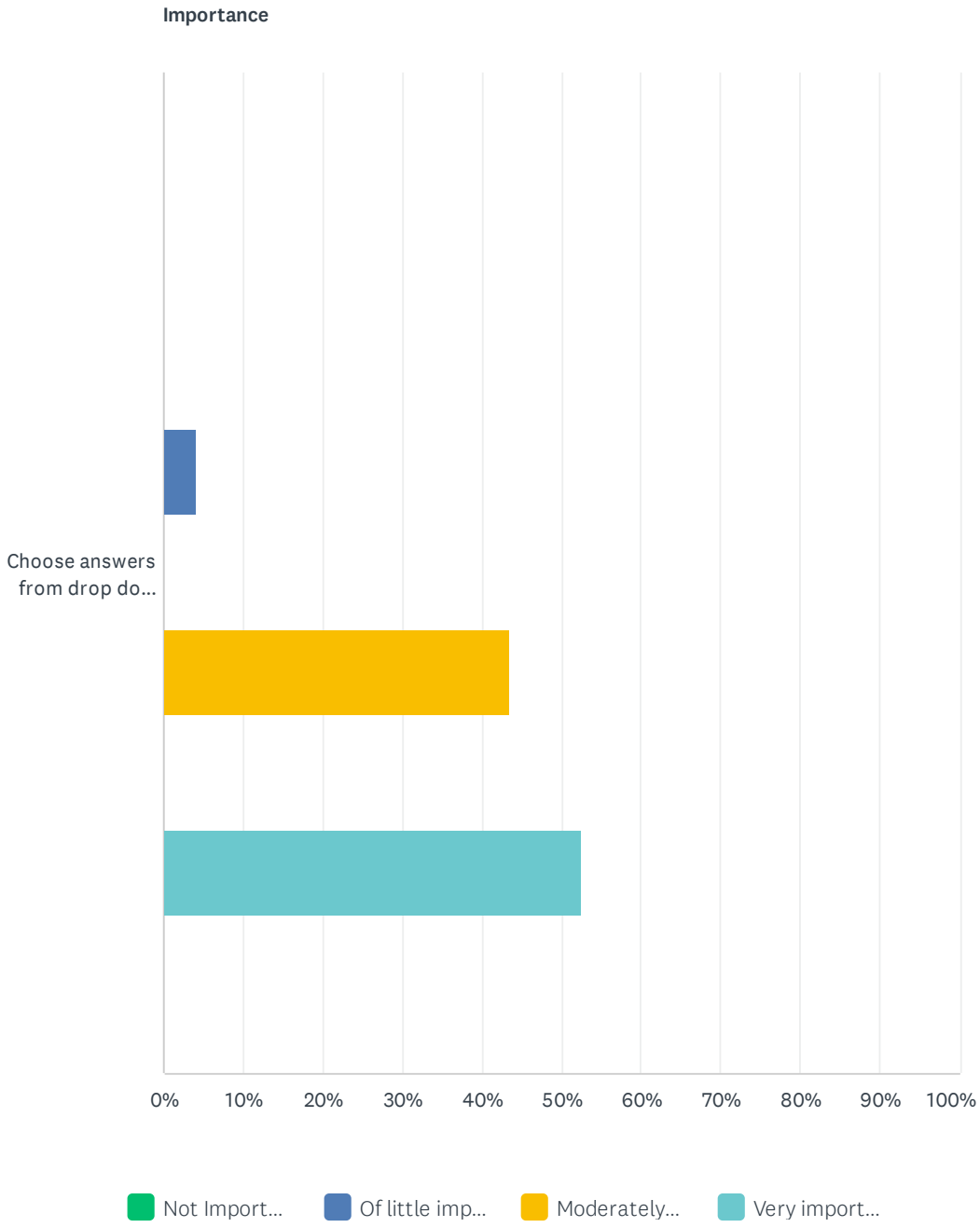
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.42%<br>2 | 24.20%<br>114 | 75.37%<br>355 | 471 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.00%<br>0 | 4.87%<br>22 | 32.08%<br>145 | 63.05%<br>285 | <br>452 |

# Q26 1.3.1.4 Impact of behavioral health risk factors (e.g., smoking effects on healing rates).

Answered: 488 Skipped: 722




Importance
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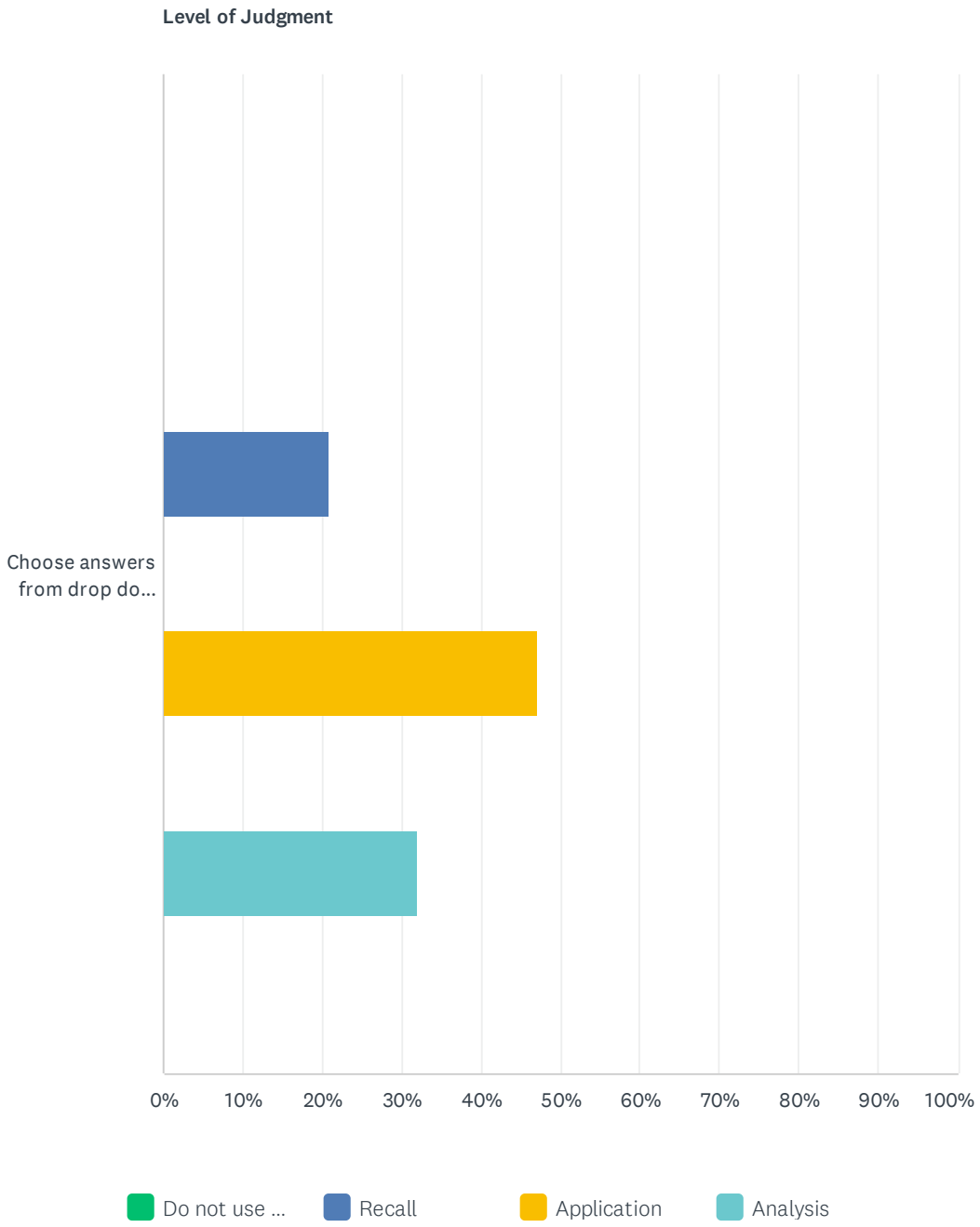


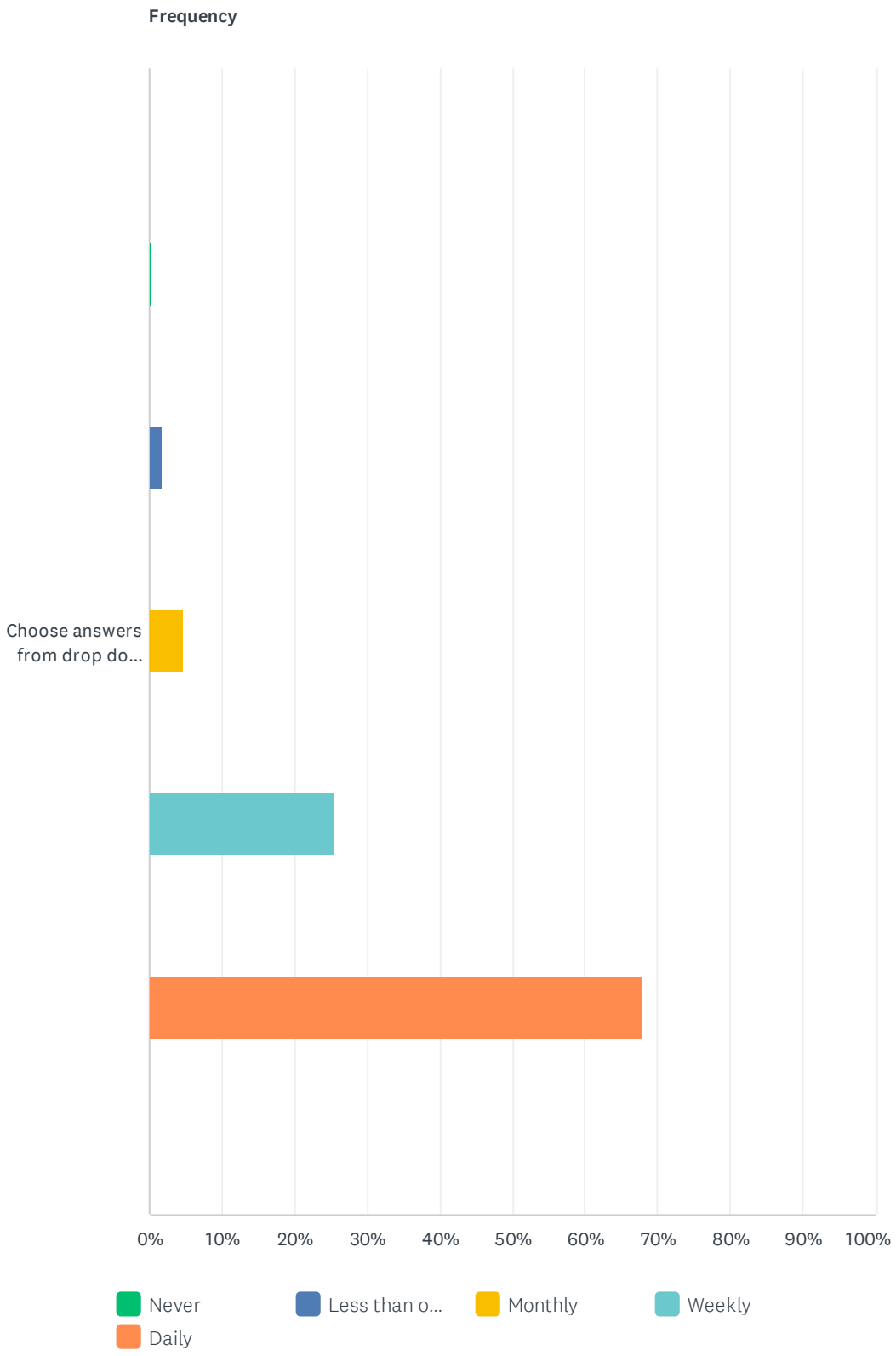

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 3.28%<br>16 | 10.04%<br>49 | 32.79%<br>160 | 53.89%<br>263 | 488 |

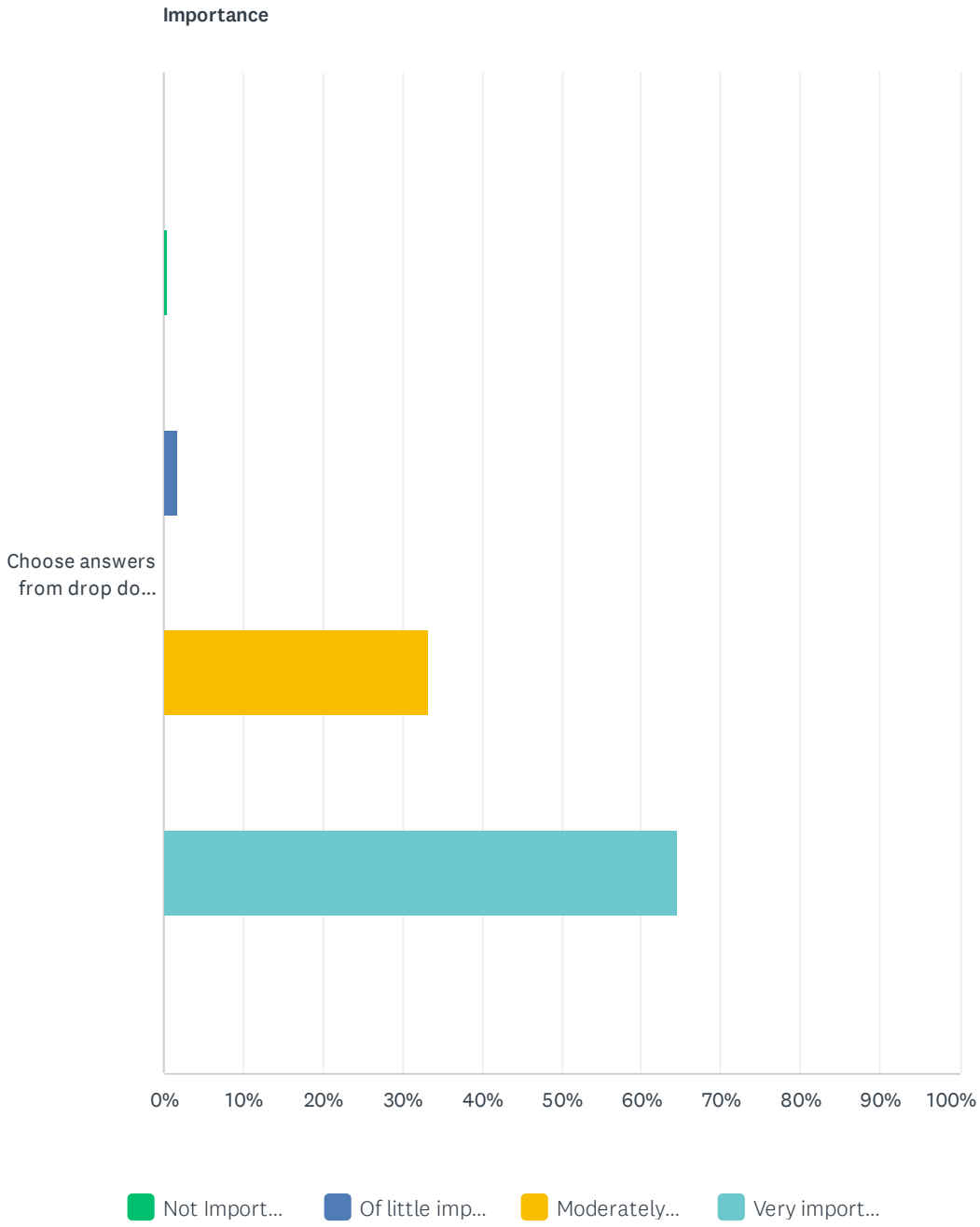
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 4.03%<br>19 | 43.52%<br>205 | 52.44%<br>247 | 471 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.00%<br>0 | 20.80%<br>94 | 47.12%<br>213 | 32.08%<br>145 | <br>452 |

# Q27 1.3.2.1 Peripheral nociceptive pain physiology.

Answered: 486 Skipped: 724

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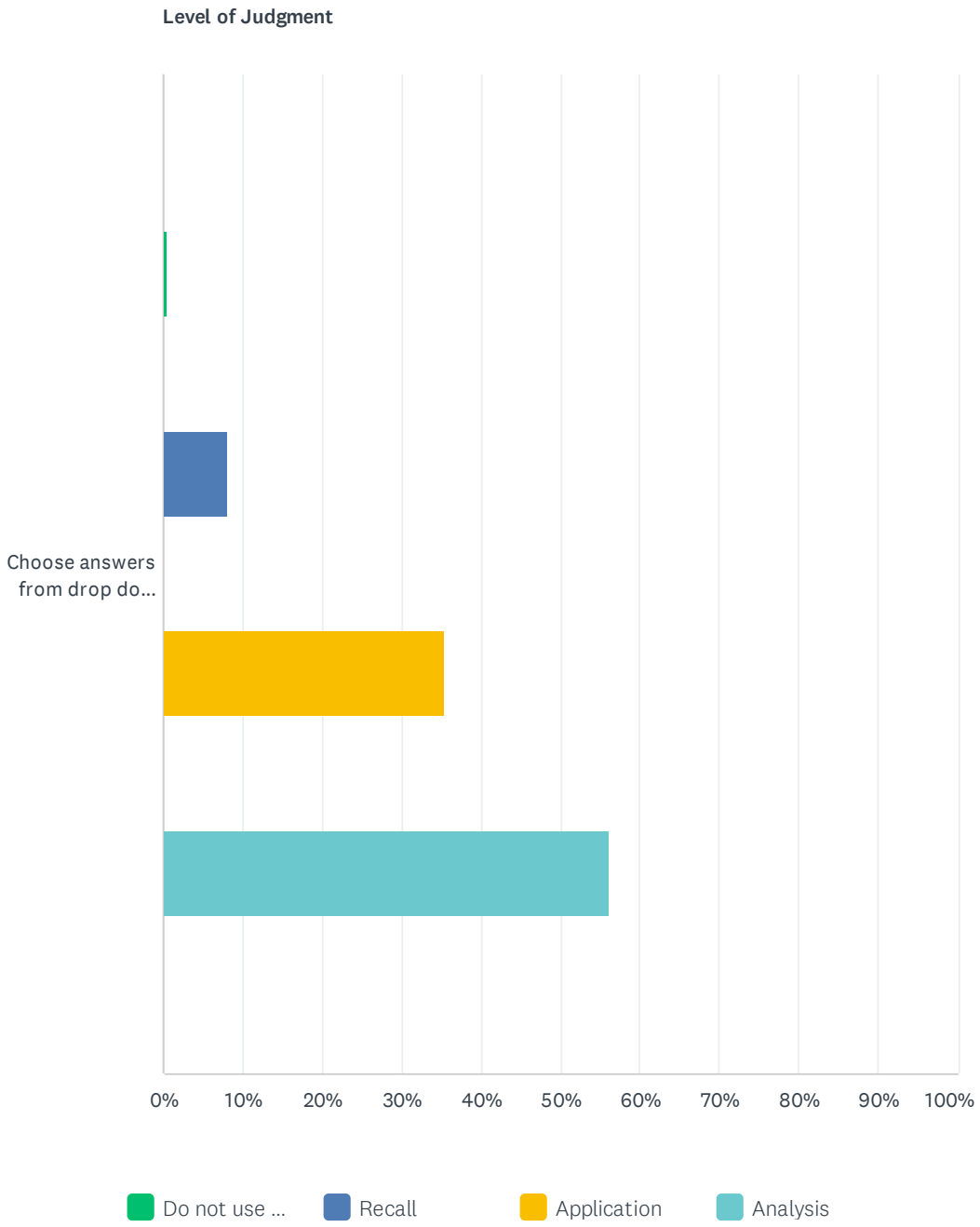


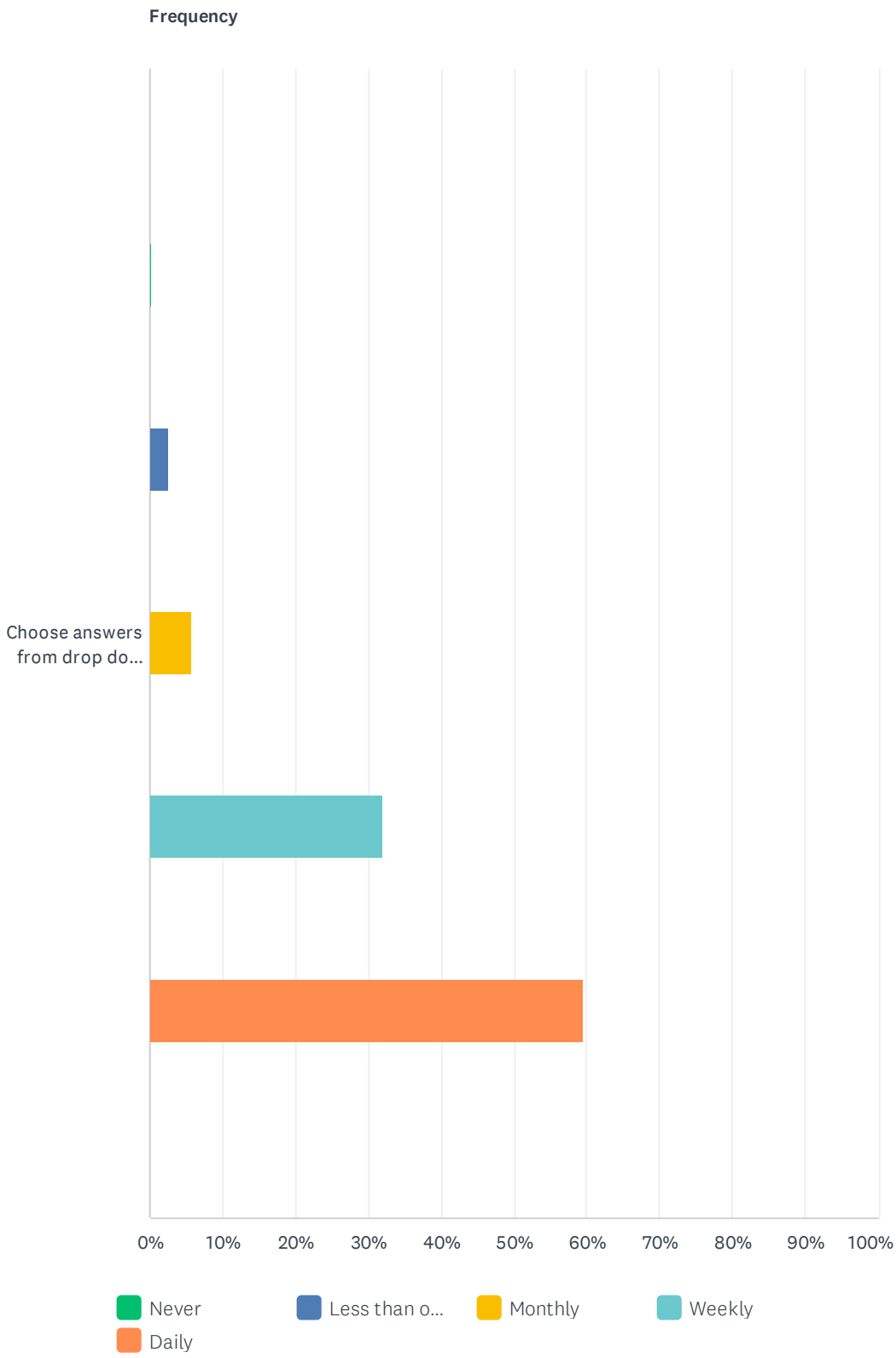

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.21%<br>1 | 1.65%<br>8 | 4.73%<br>23 | 25.31%<br>123 | 68.11%<br>331 | 486 |

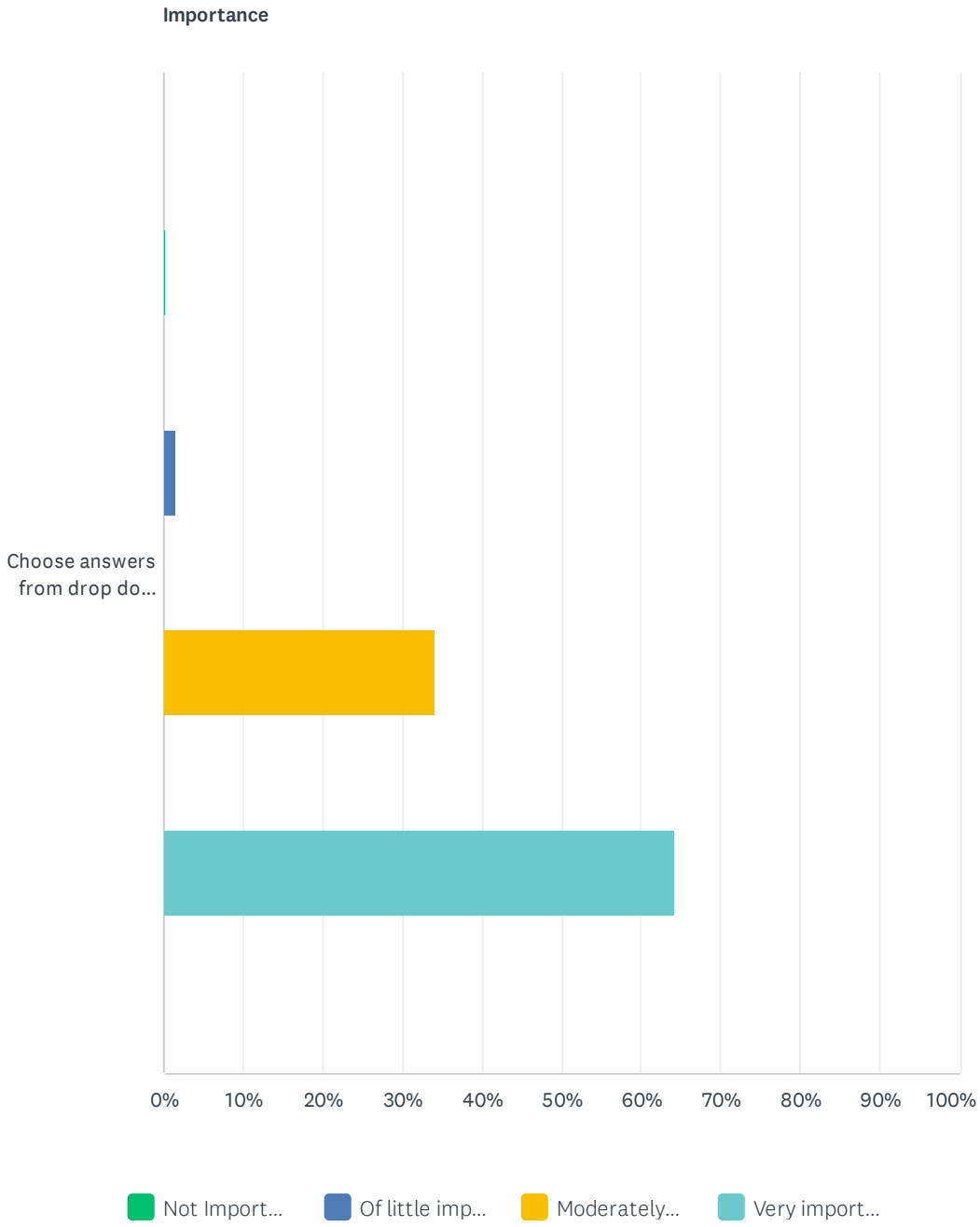
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.43%<br>2 | 1.71%<br>8 | 33.26%<br>156 | 64.61%<br>303 | 469 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.44%<br>2 | 8.19%<br>37 | 35.40%<br>160 | 55.97%<br>253 | <br>452 |

# Q28 1.3.2.2 Peripheral neurogenic/neuropathic pain physiology.

Answered: 487 Skipped: 723

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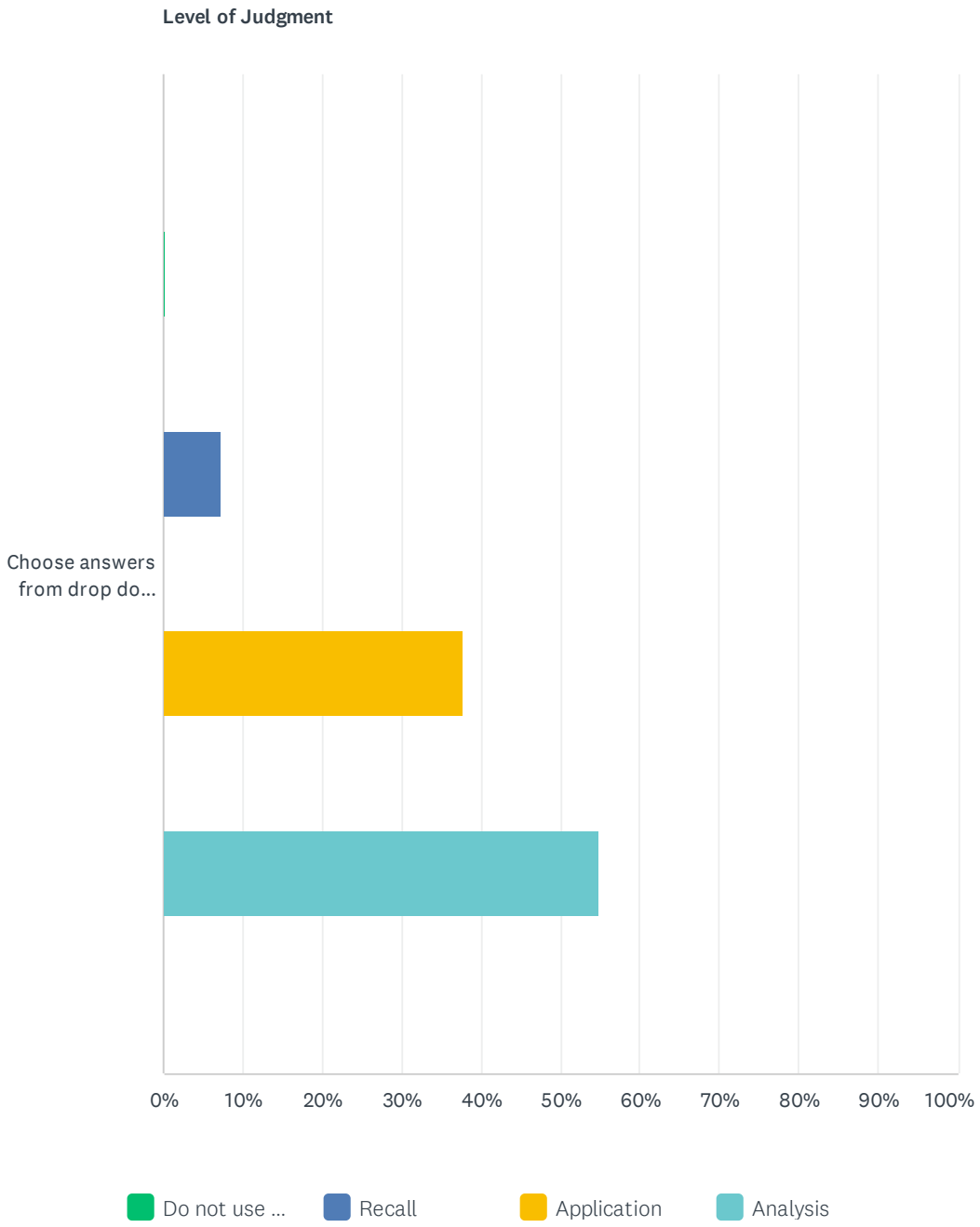


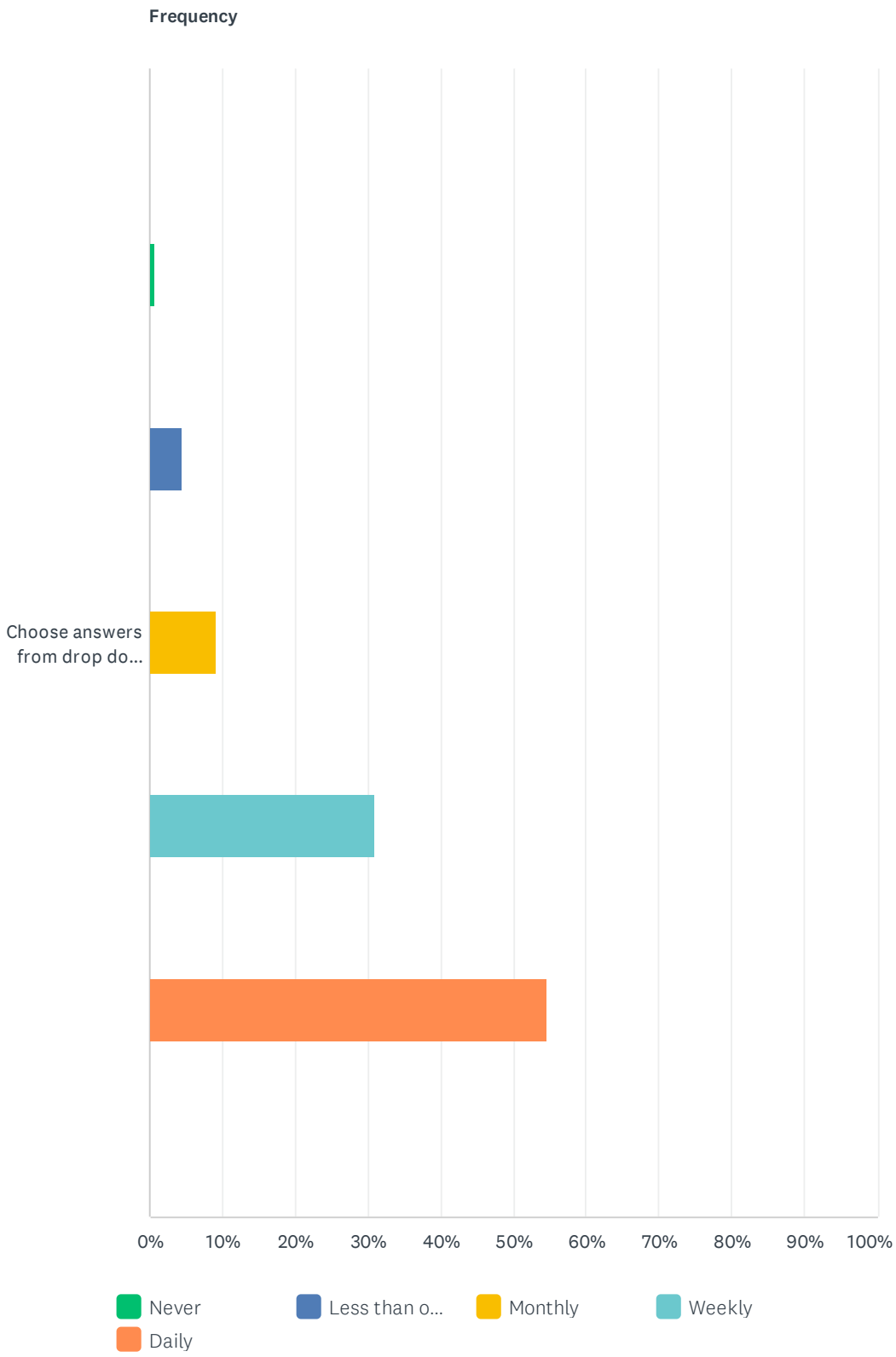

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.21%<br>1 | 2.46%<br>12 | 5.75%<br>28 | 32.03%<br>156 | 59.55%<br>290 | 487 |

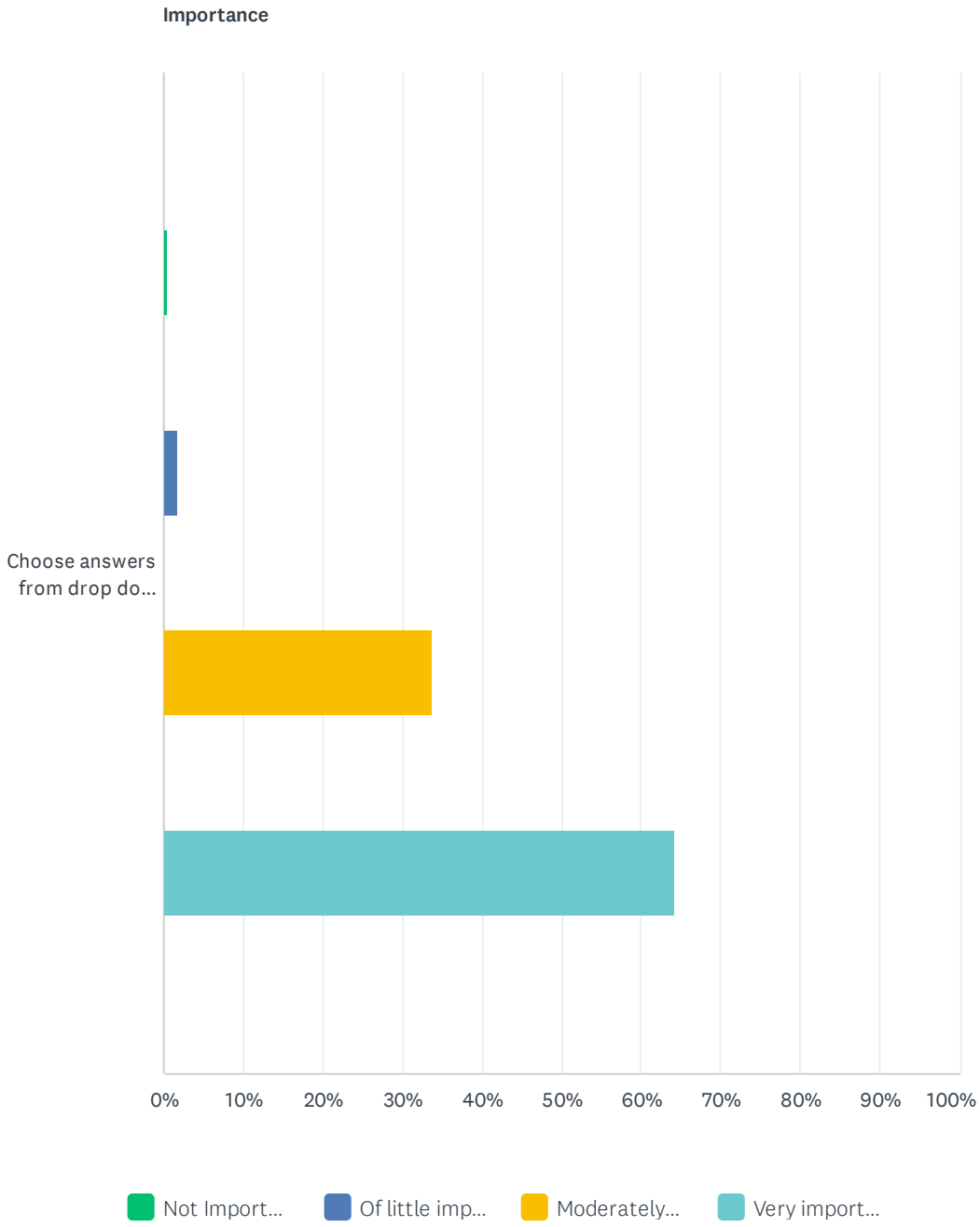
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.21%<br>1 | 1.49%<br>7 | 34.04%<br>160 | 64.26%<br>302 | 470 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.22%<br>1 | 7.32%<br>33 | 37.69%<br>170 | 54.77%<br>247 | <br>451 |

# Q29 1.3.2.3 Central nervous system/nociplastic pain physiology.

Answered: 487 Skipped: 723




Importance
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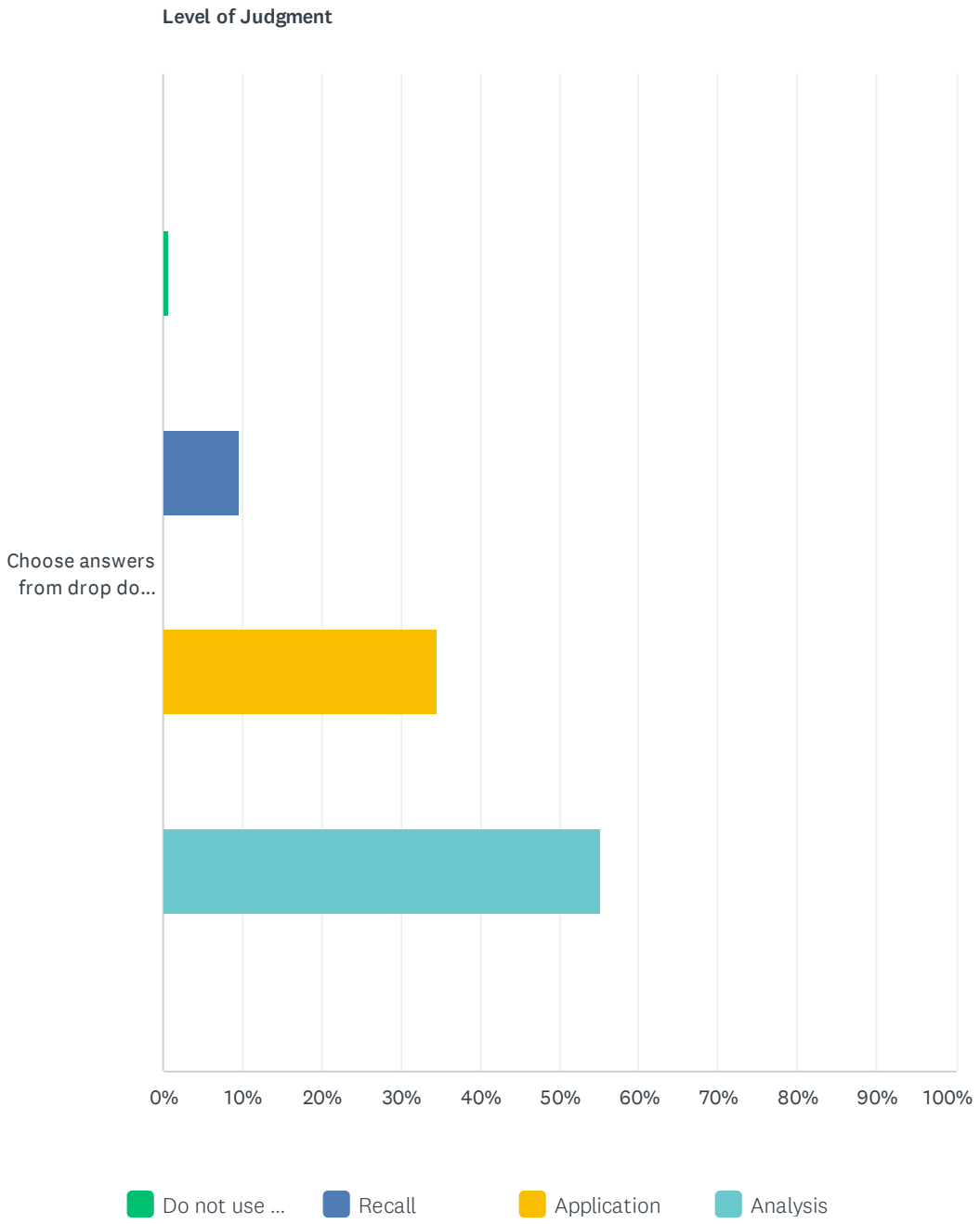


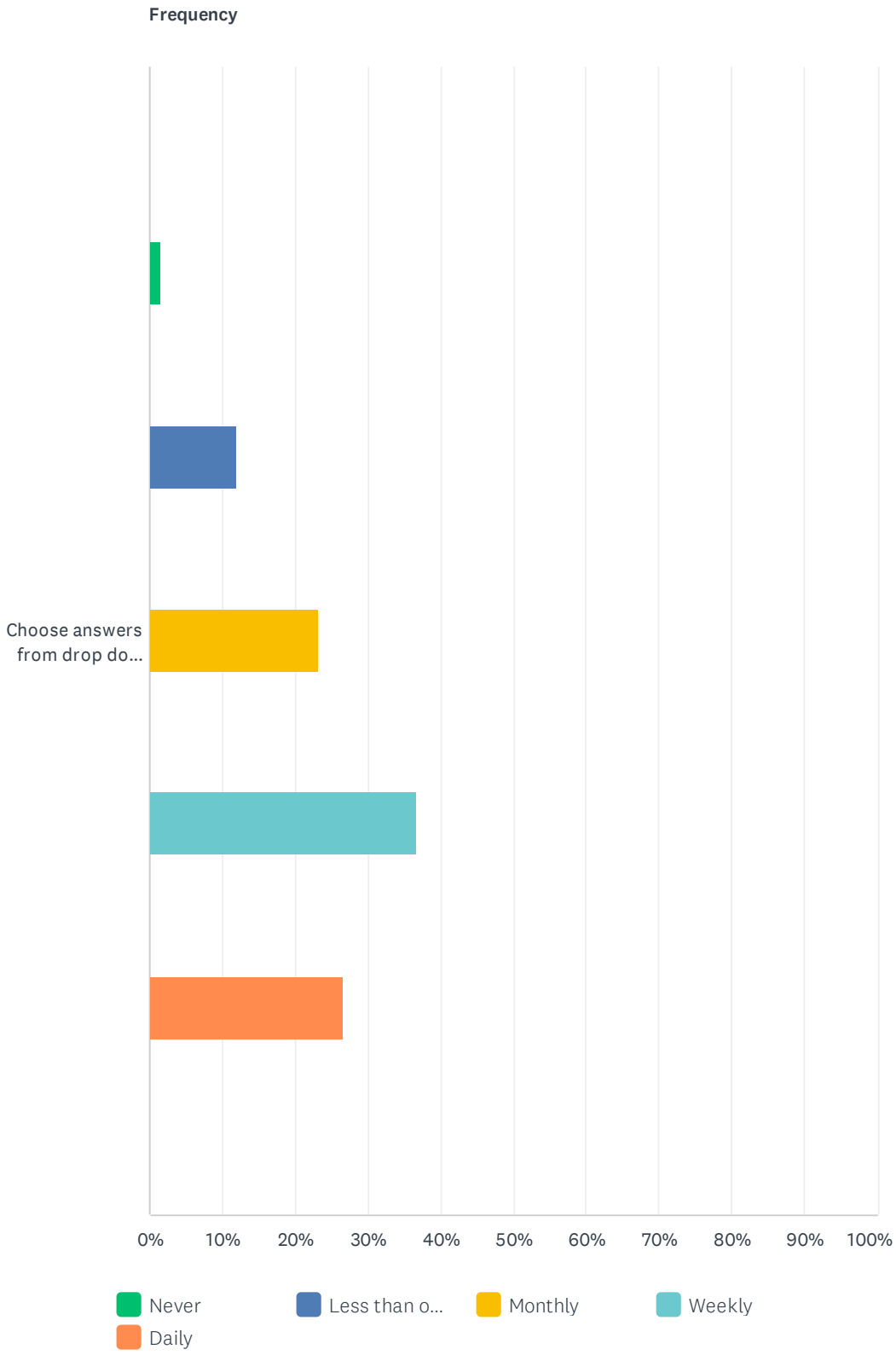

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.62%<br>3 | 4.52%<br>22 | 9.24%<br>45 | 31.01%<br>151 | 54.62%<br>266 | 487 |

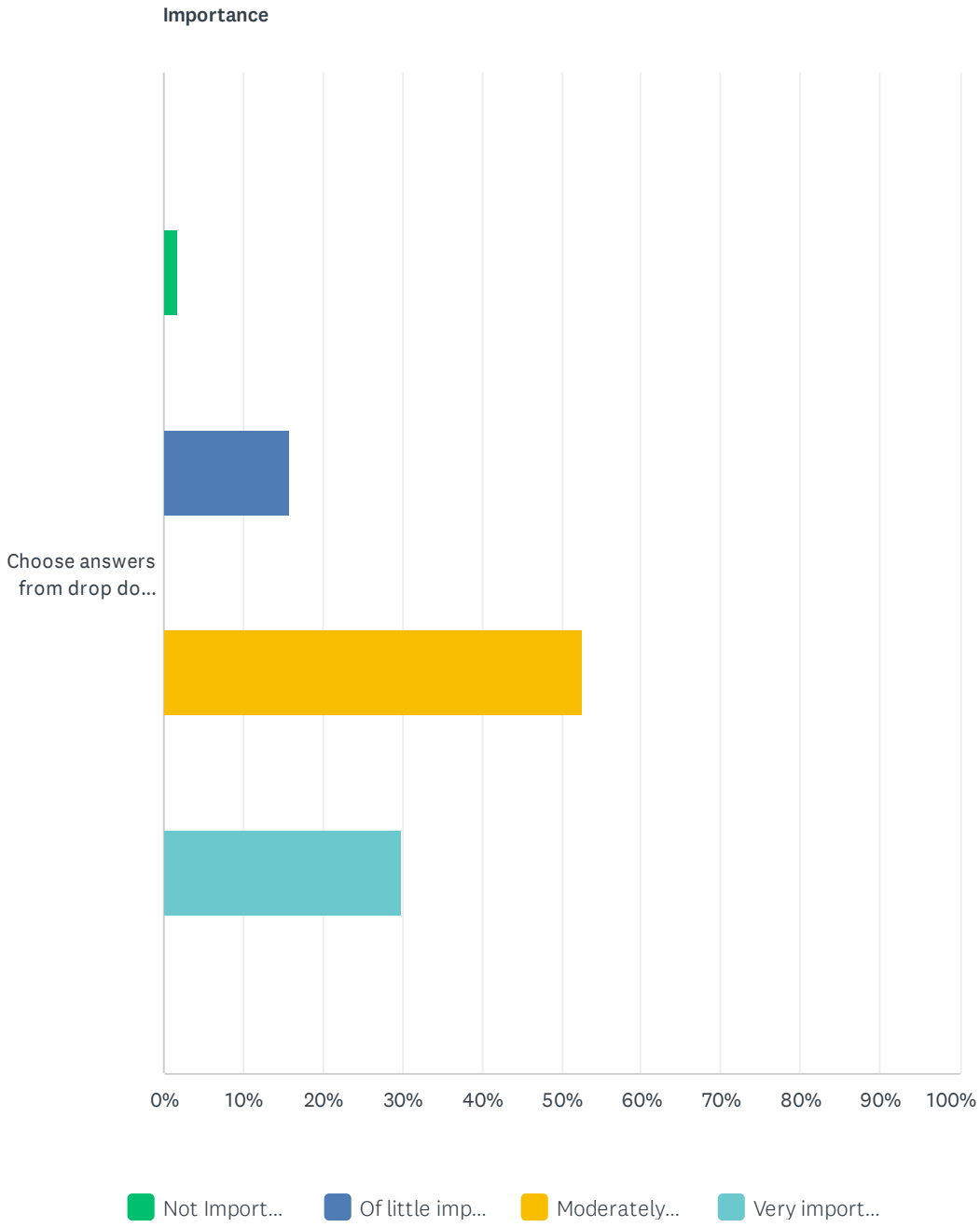
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.43%<br>2 | 1.70%<br>8 | 33.62%<br>158 | 64.26%<br>302 | 470 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.66%<br>3 | 9.51%<br>43 | 34.51%<br>156 | 55.31%<br>250 | <br>452 |

# Q30 1.3.2.4 Output mechanisms and expressions (e.g., immune, endocrine, sympathetic, behavioral).

Answered: 487 Skipped: 723

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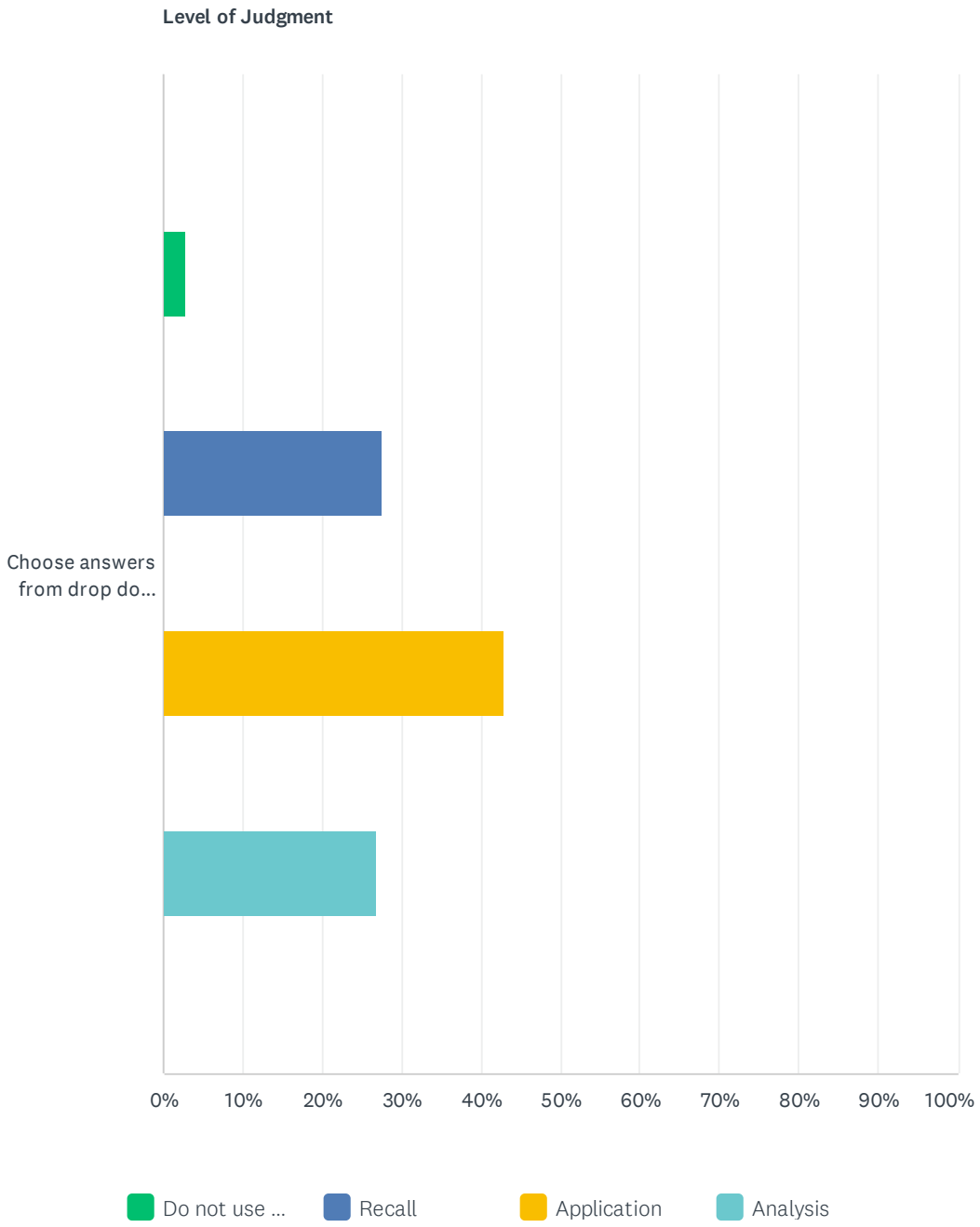


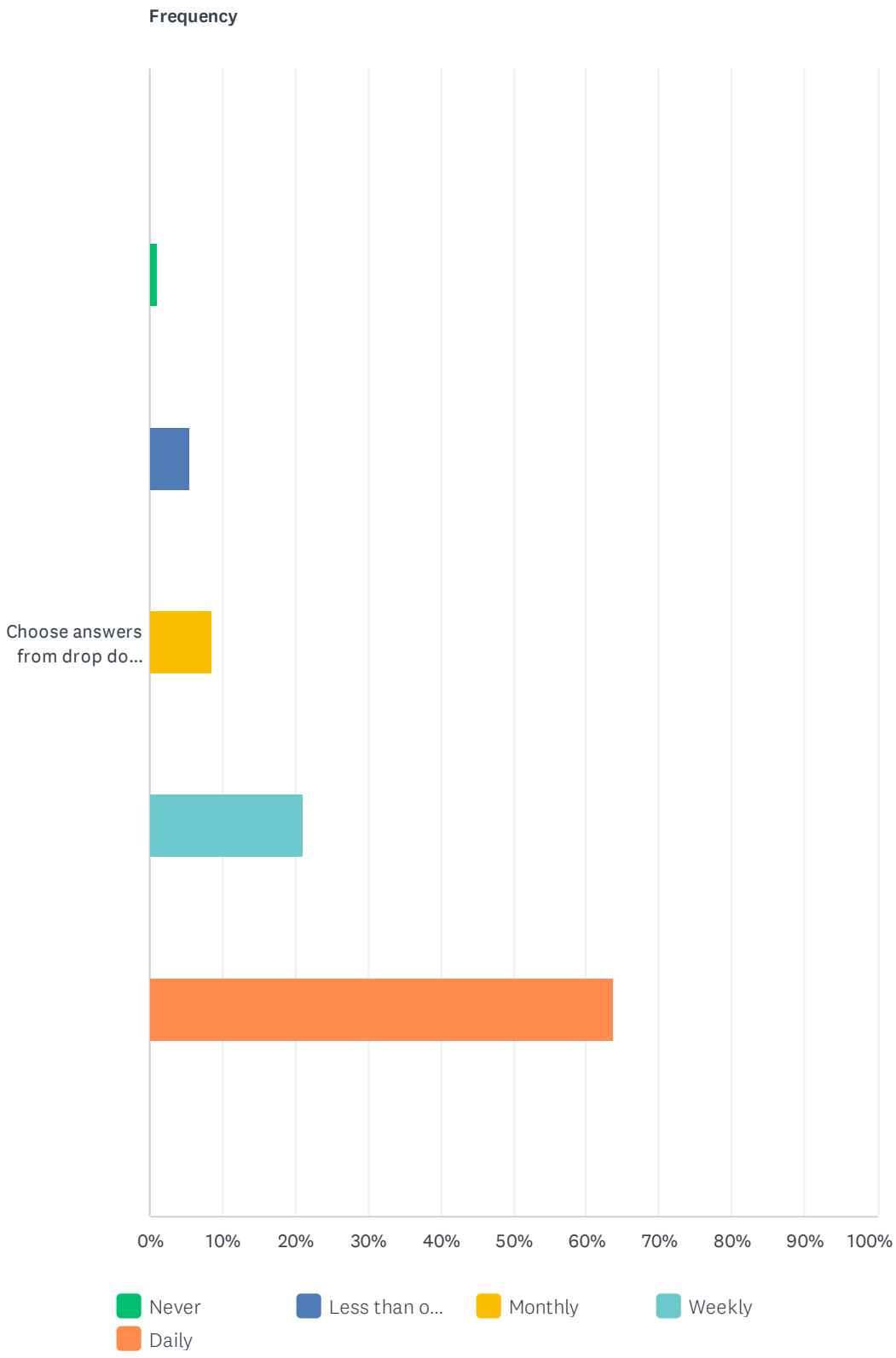

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.44%<br>7 | 11.91%<br>58 | 23.20%<br>113 | 36.76%<br>179 | 26.69%<br>130 | 487 |

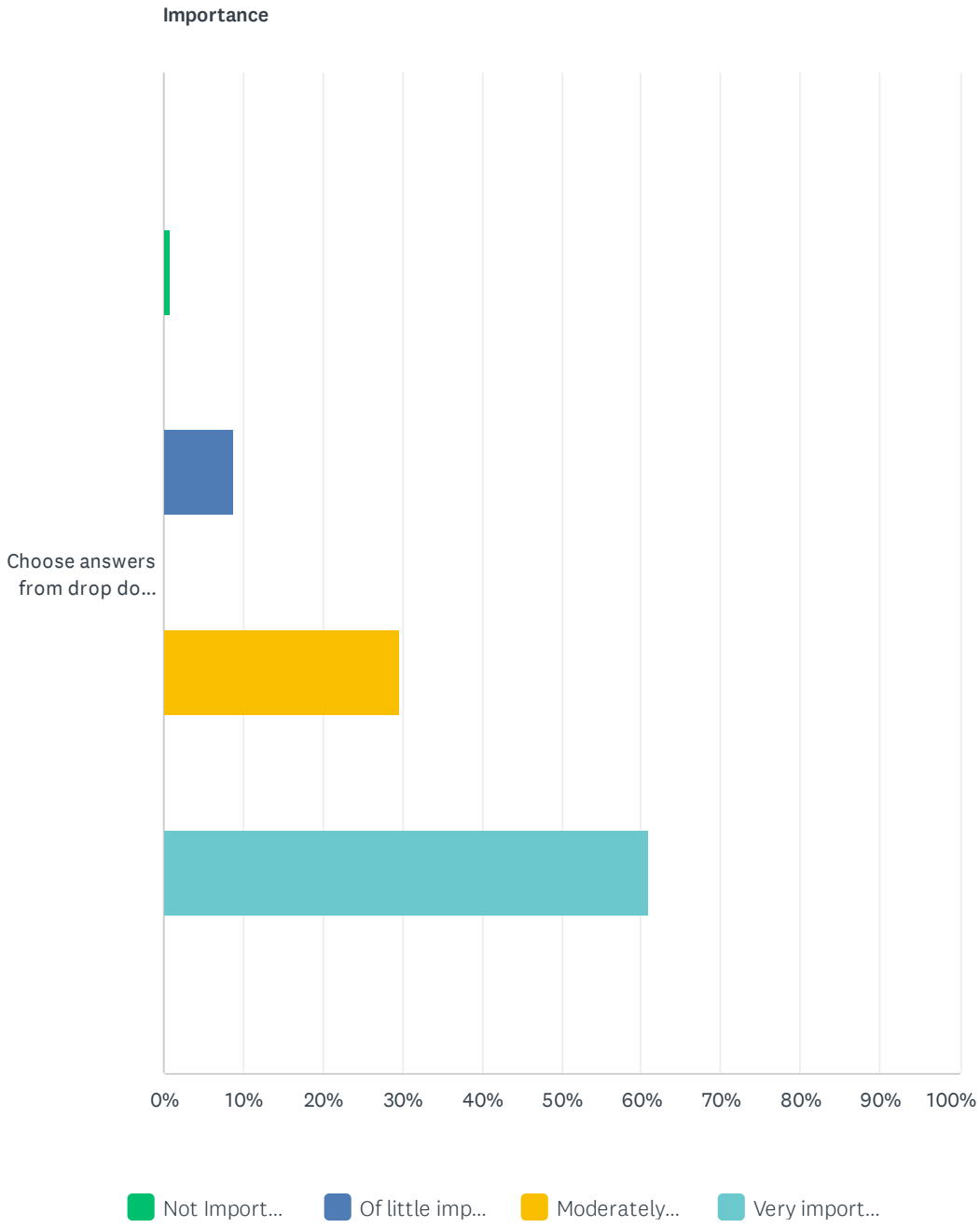
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.70%<br>8 | 15.74%<br>74 | 52.77%<br>248 | 29.79%<br>140 | 470 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 2.67%<br>12 | 27.56%<br>124 | 42.89%<br>193 | 26.89%<br>121 | <br>450 |

# Q31 1.3.3.1 Biopsychosocial model.

Answered: 452 Skipped: 758

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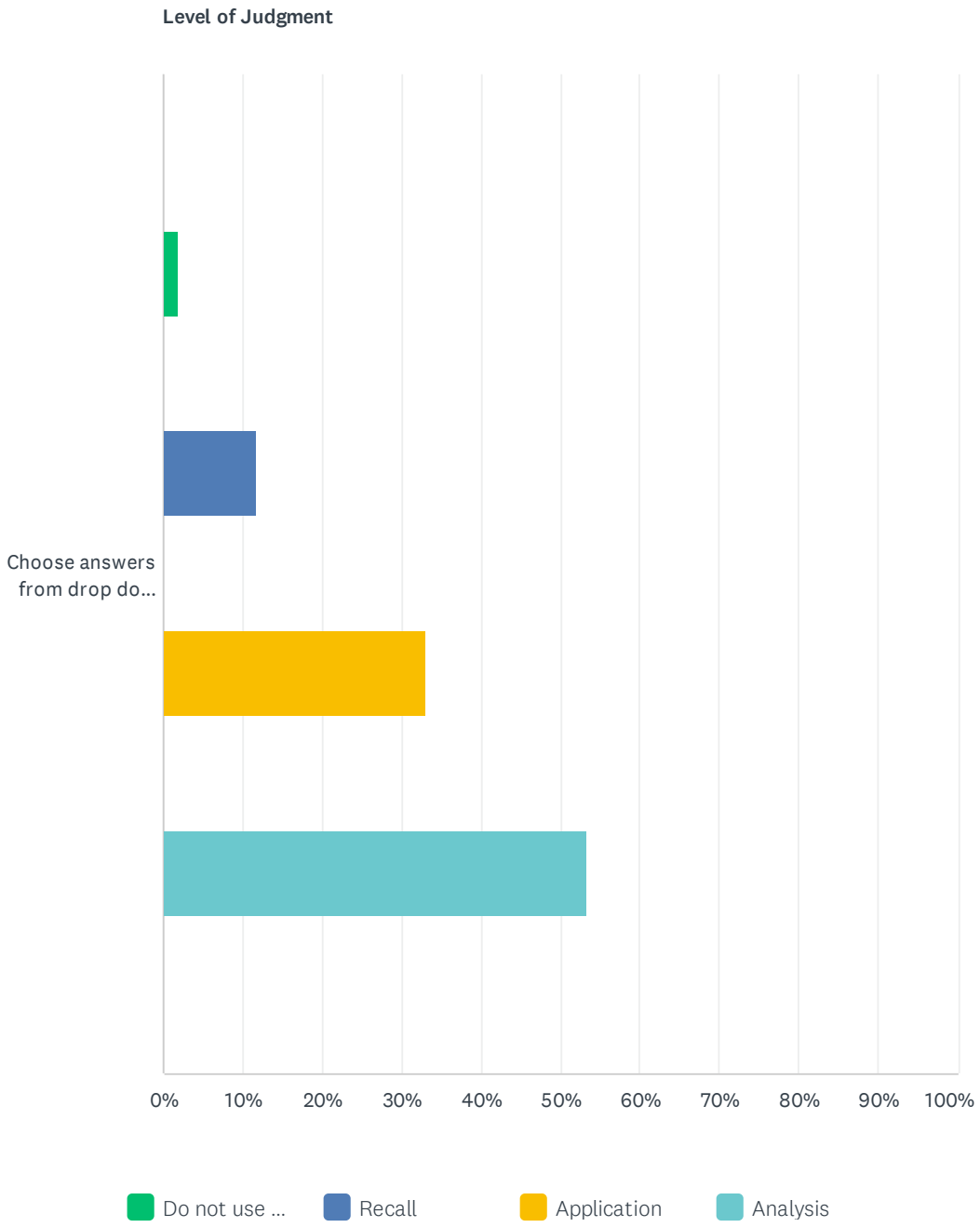


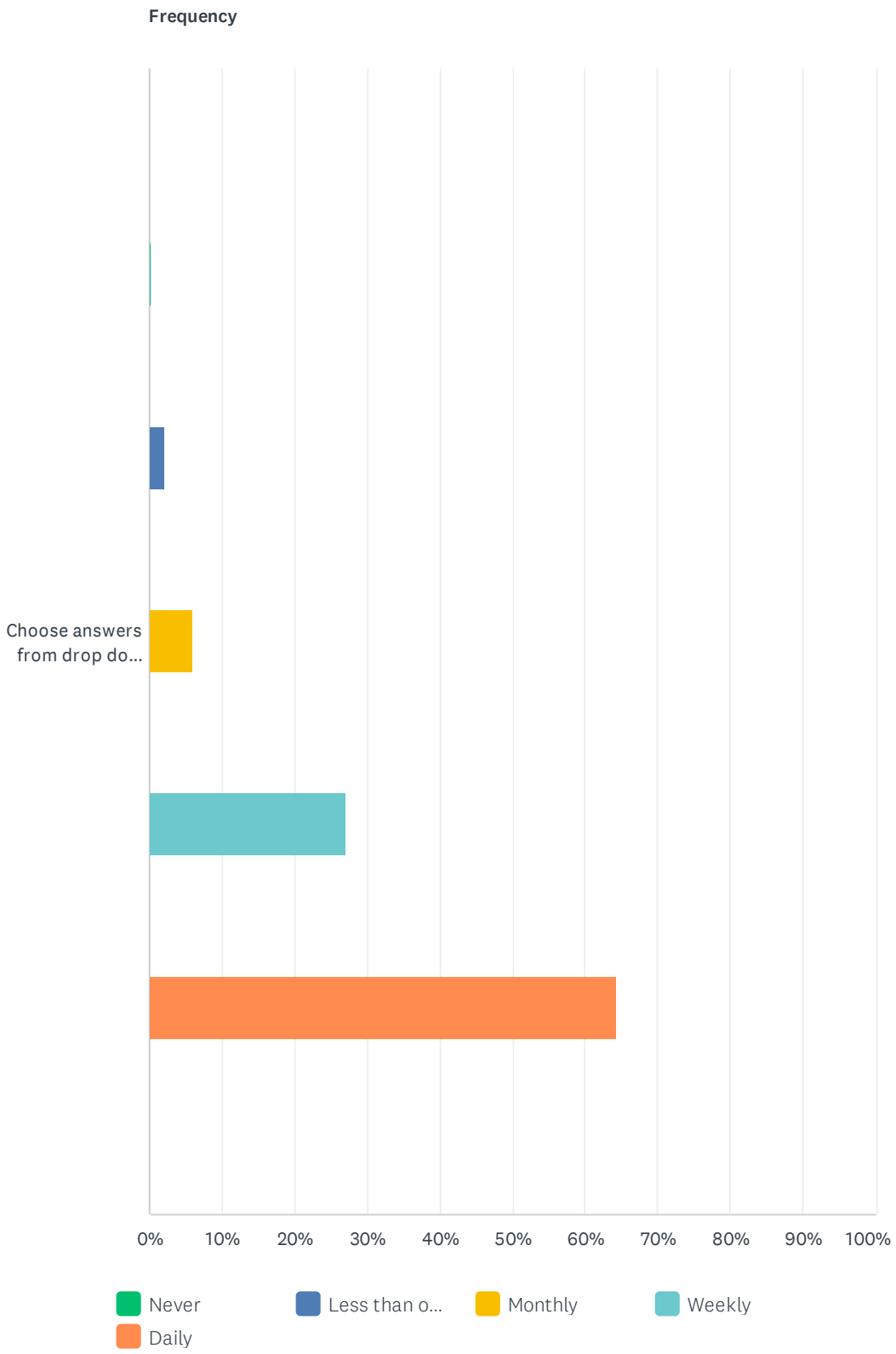

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.11%<br>5 | 5.54%<br>25 | 8.43%<br>38 | 21.06%<br>95 | 63.86%<br>288 | 451 |

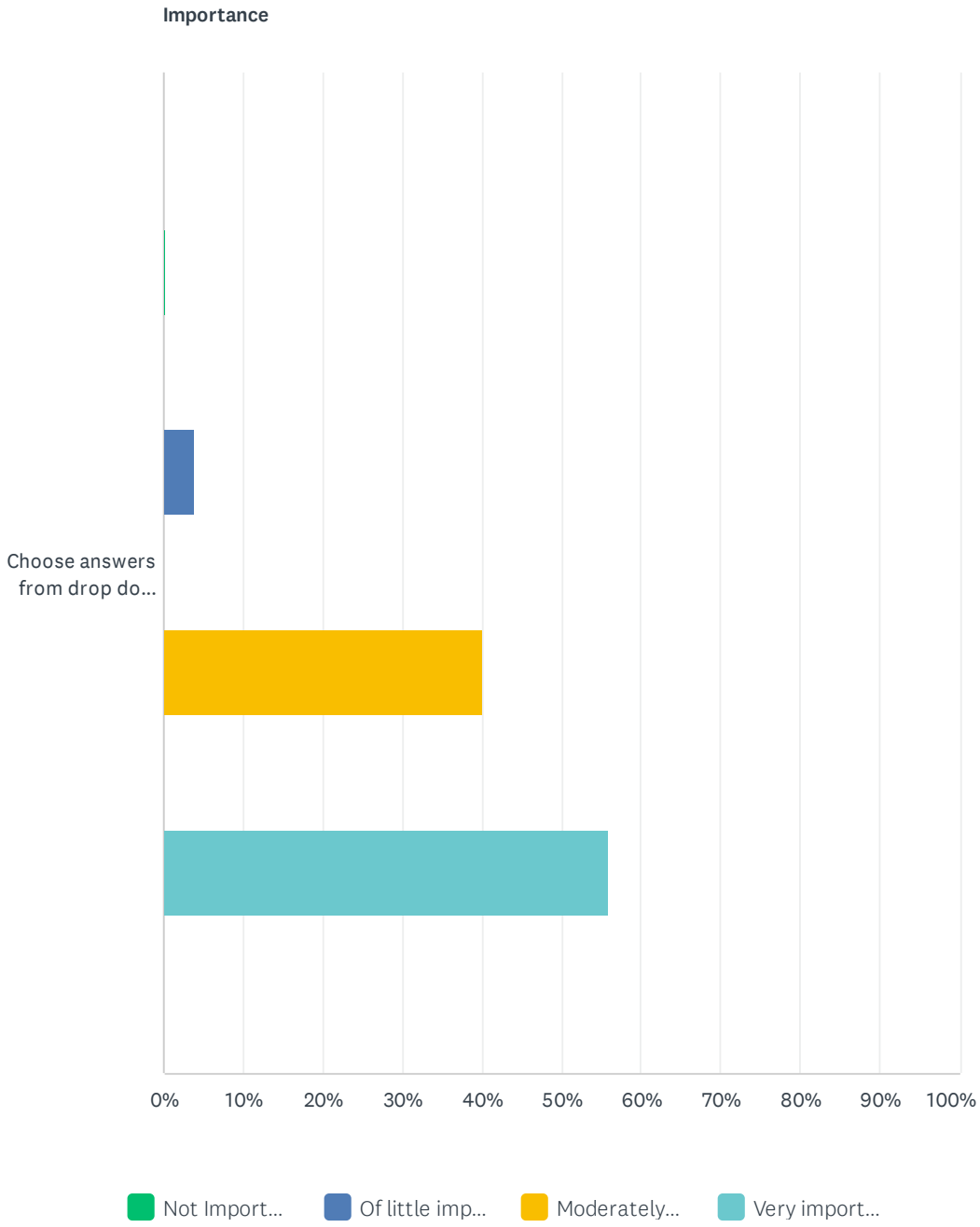
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.91%<br>4 | 8.64%<br>38 | 29.55%<br>130 | 60.91%<br>268 | 440 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 1.89%<br>8 | 11.79%<br>50 | 33.02%<br>140 | 53.30%<br>226 | <br>424 |

# Q32 1.3.3.2 Exercise physiology across the lifespan.

Answered: 453 Skipped: 757

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Not Import...
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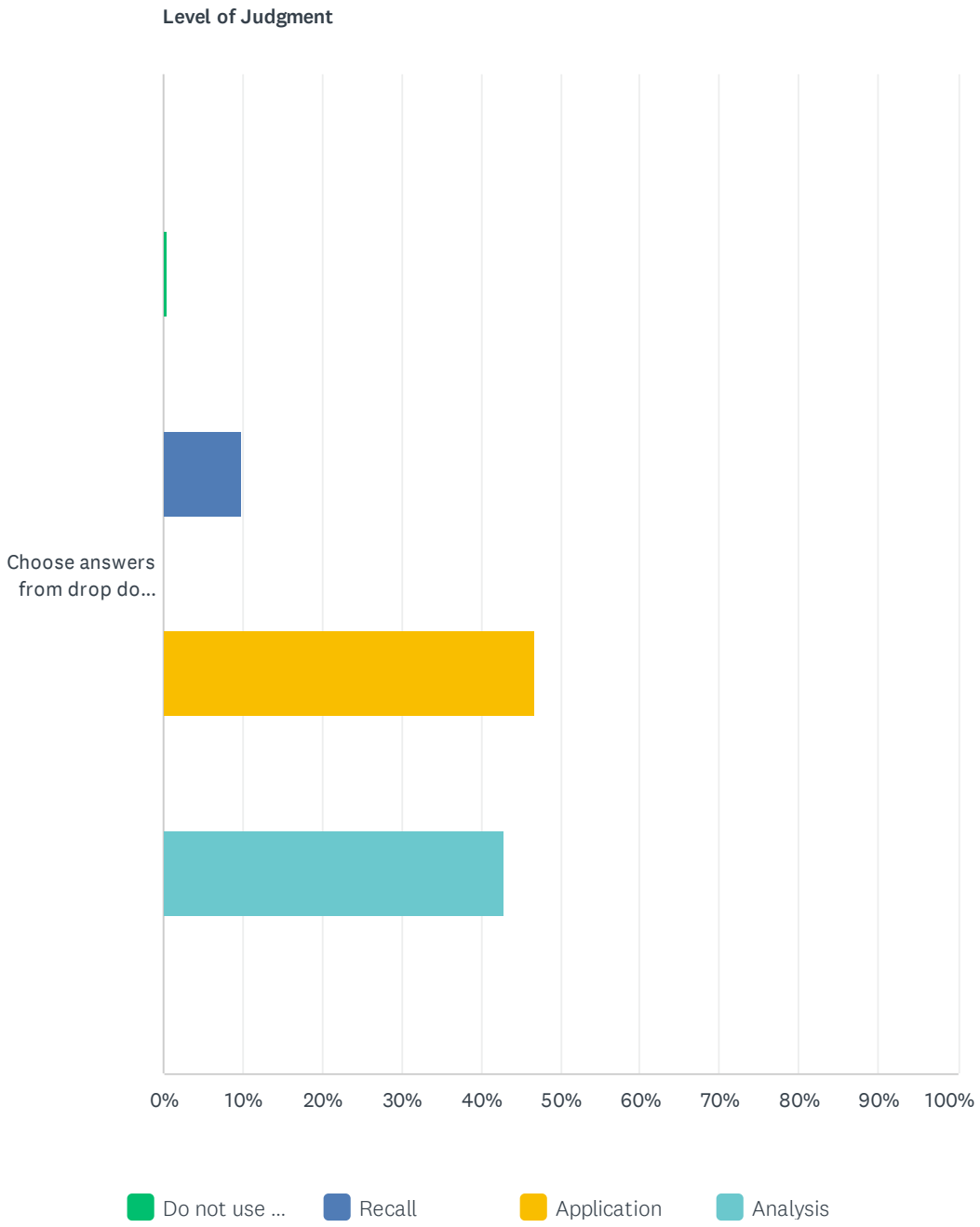


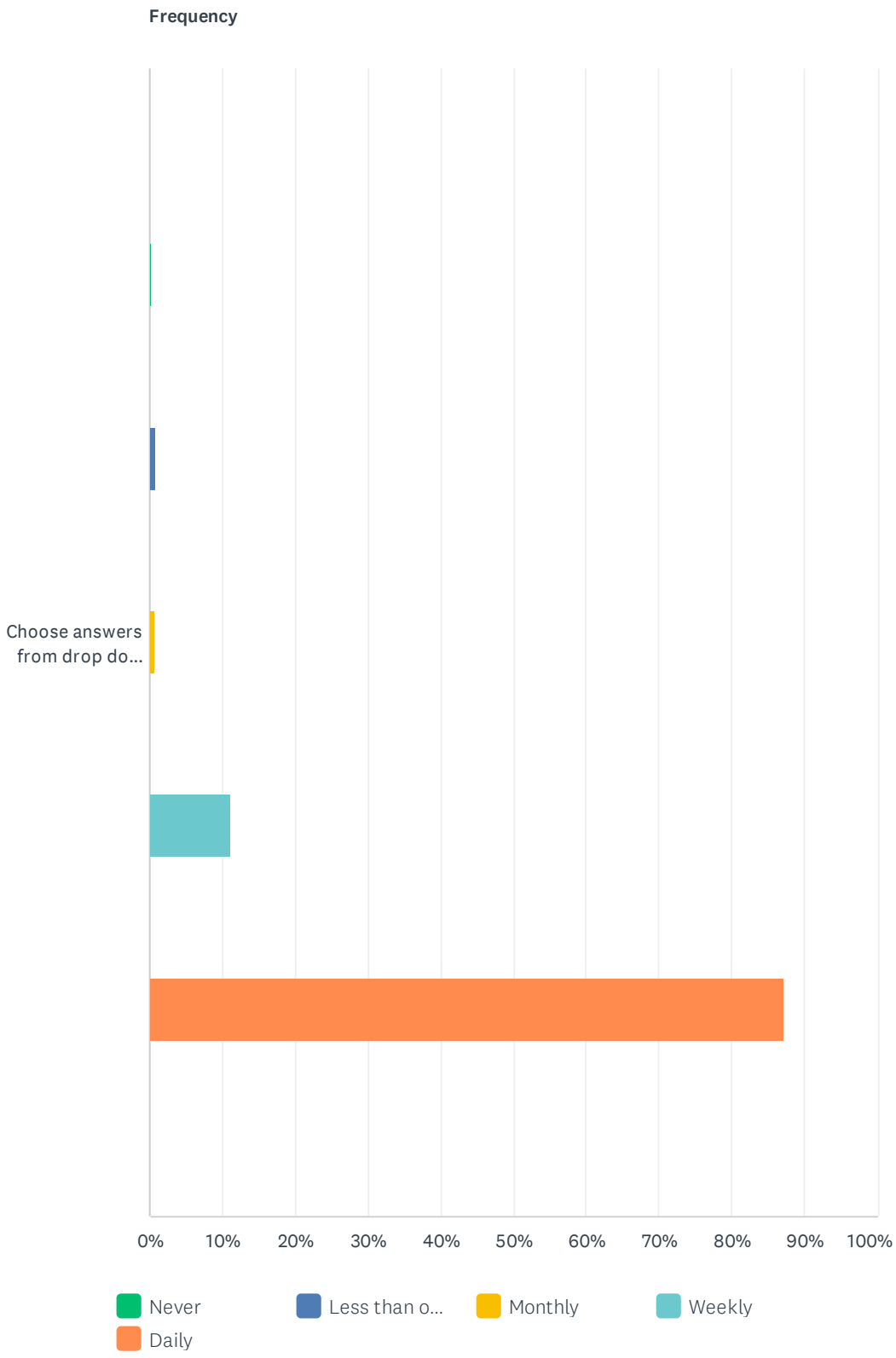

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.22%<br>1 | 2.21%<br>10 | 5.96%<br>27 | 27.15%<br>123 | 64.46%<br>292 | 453 |

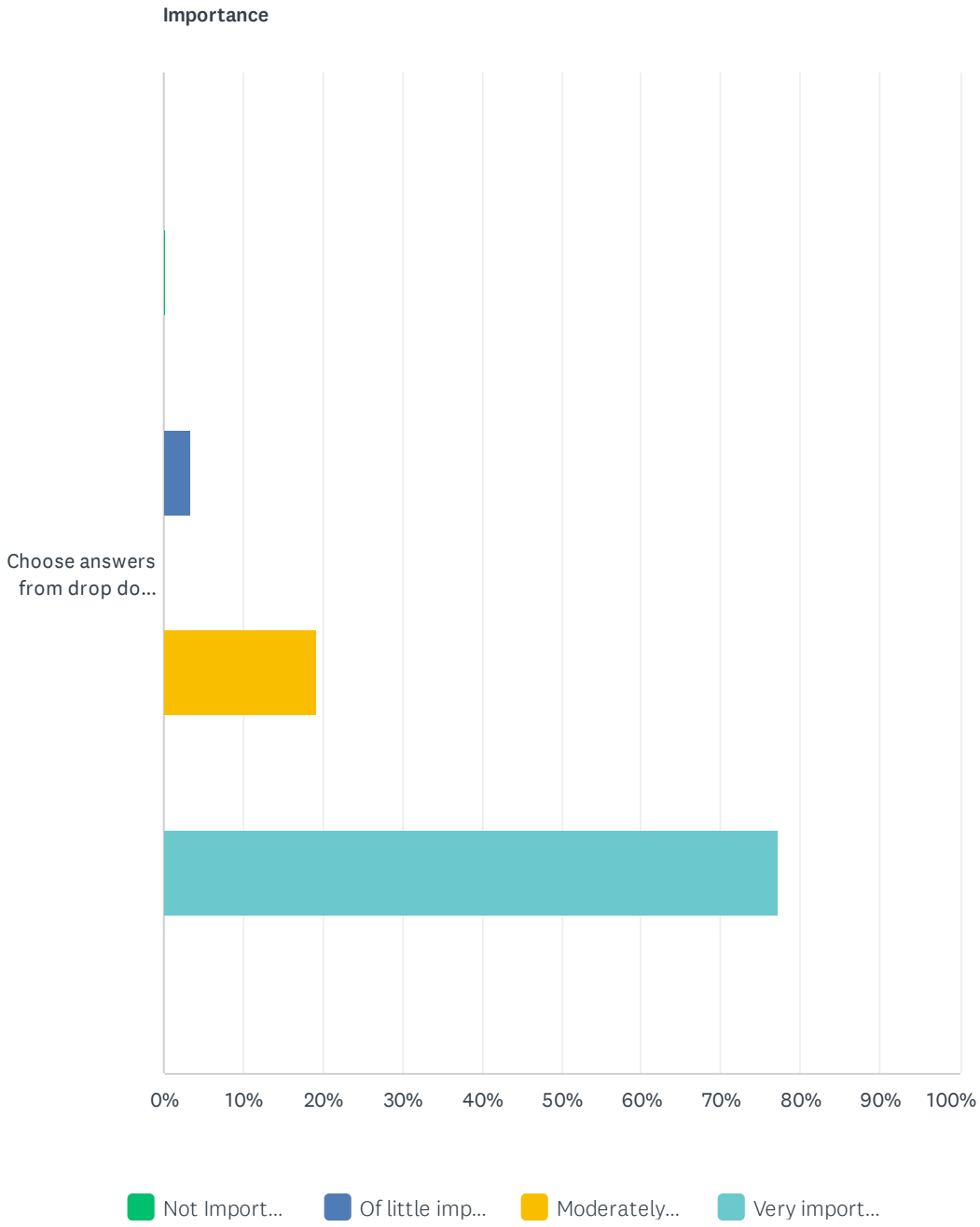
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.23%<br>1 | 3.87%<br>17 | 40.09%<br>176 | 55.81%<br>245 | 439 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.47%<br>2 | 9.91%<br>42 | 46.70%<br>198 | 42.92%<br>182 | <br>424 |

# Q33 1.3.3.3 Manual therapy techniques.

Answered: 453 Skipped: 757

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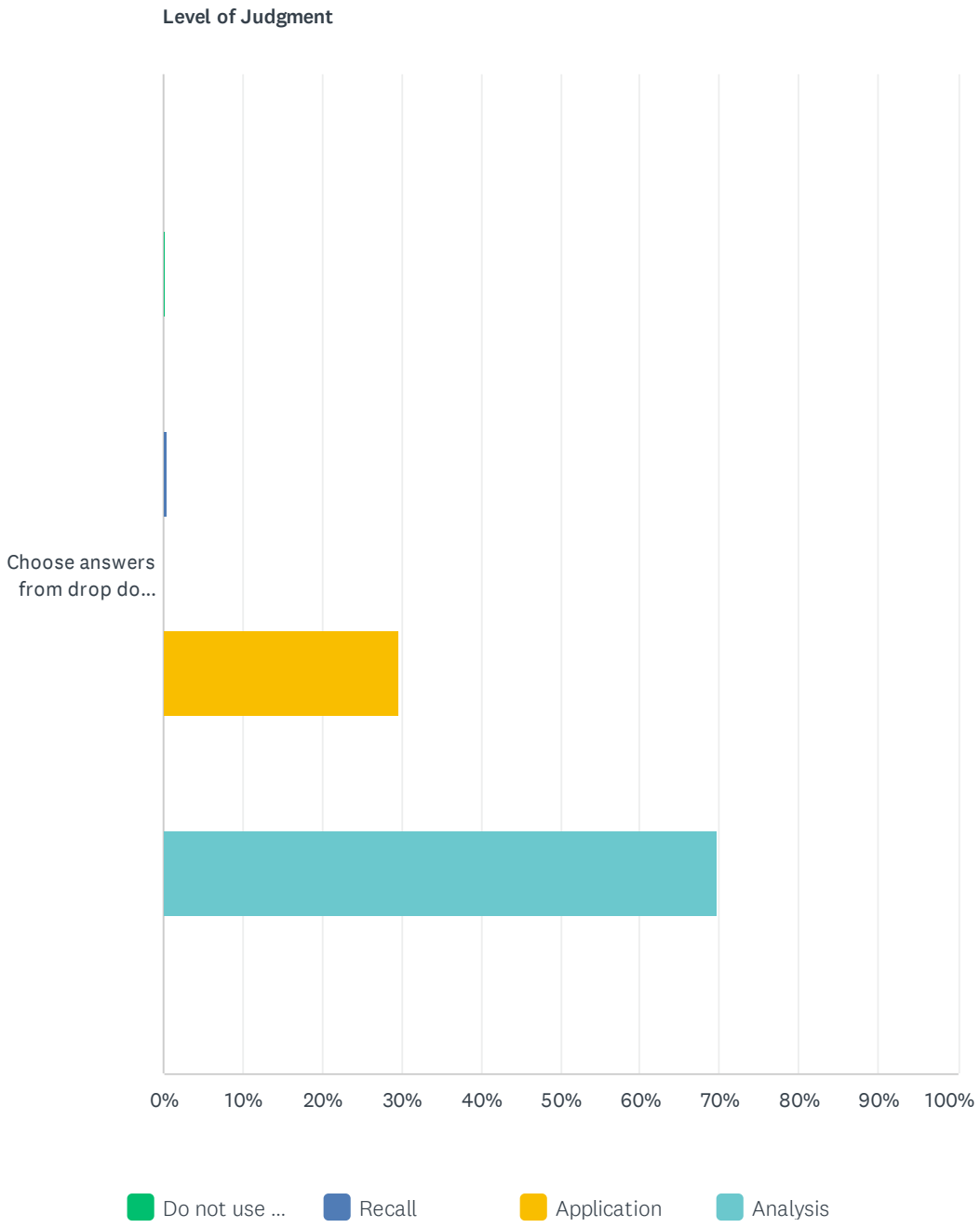
Very import...



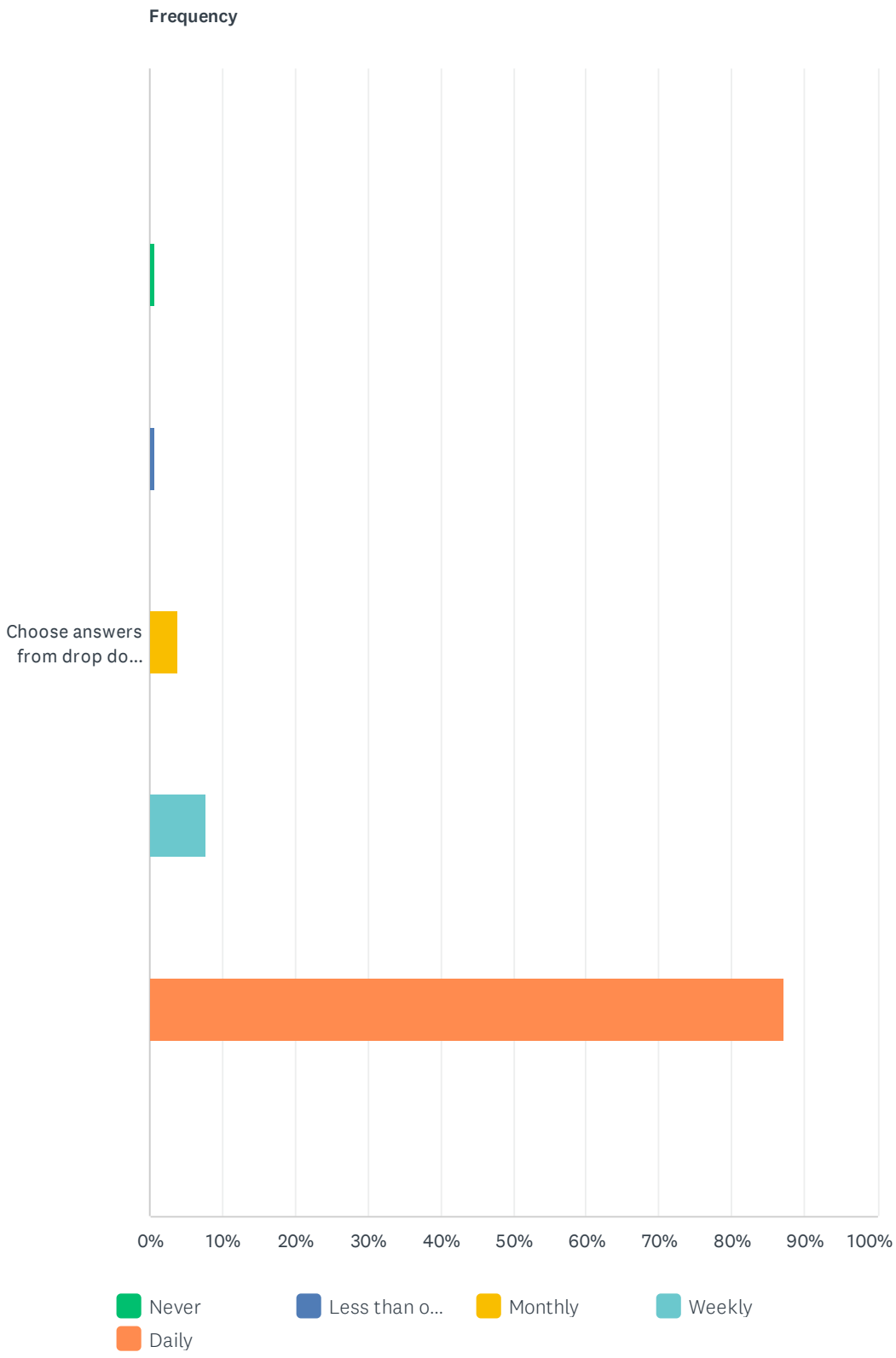

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.22%<br>1 | 0.88%<br>4 | 0.66%<br>3 | 11.06%<br>50 | 87.17%<br>394 | 452 |

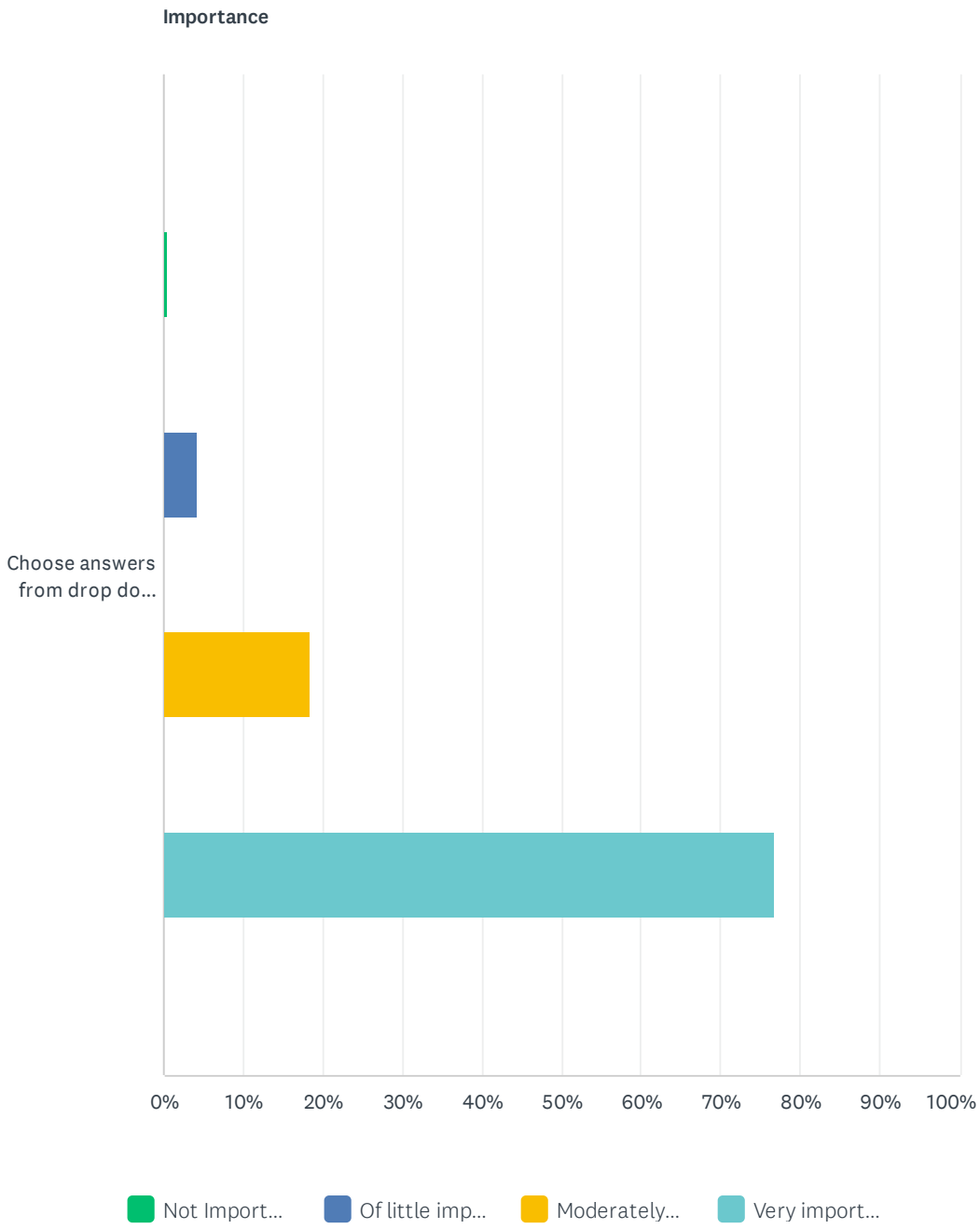
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.23%<br>1 | 3.39%<br>15 | 19.23%<br>85 | 77.15%<br>341 | 442 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.23%<br>1 | 0.47%<br>2 | 29.58%<br>126 | 69.72%<br>297 | <br>426 |

# Q34 1.3.3.4 Movement systems impairments.

Answered: 452 Skipped: 758

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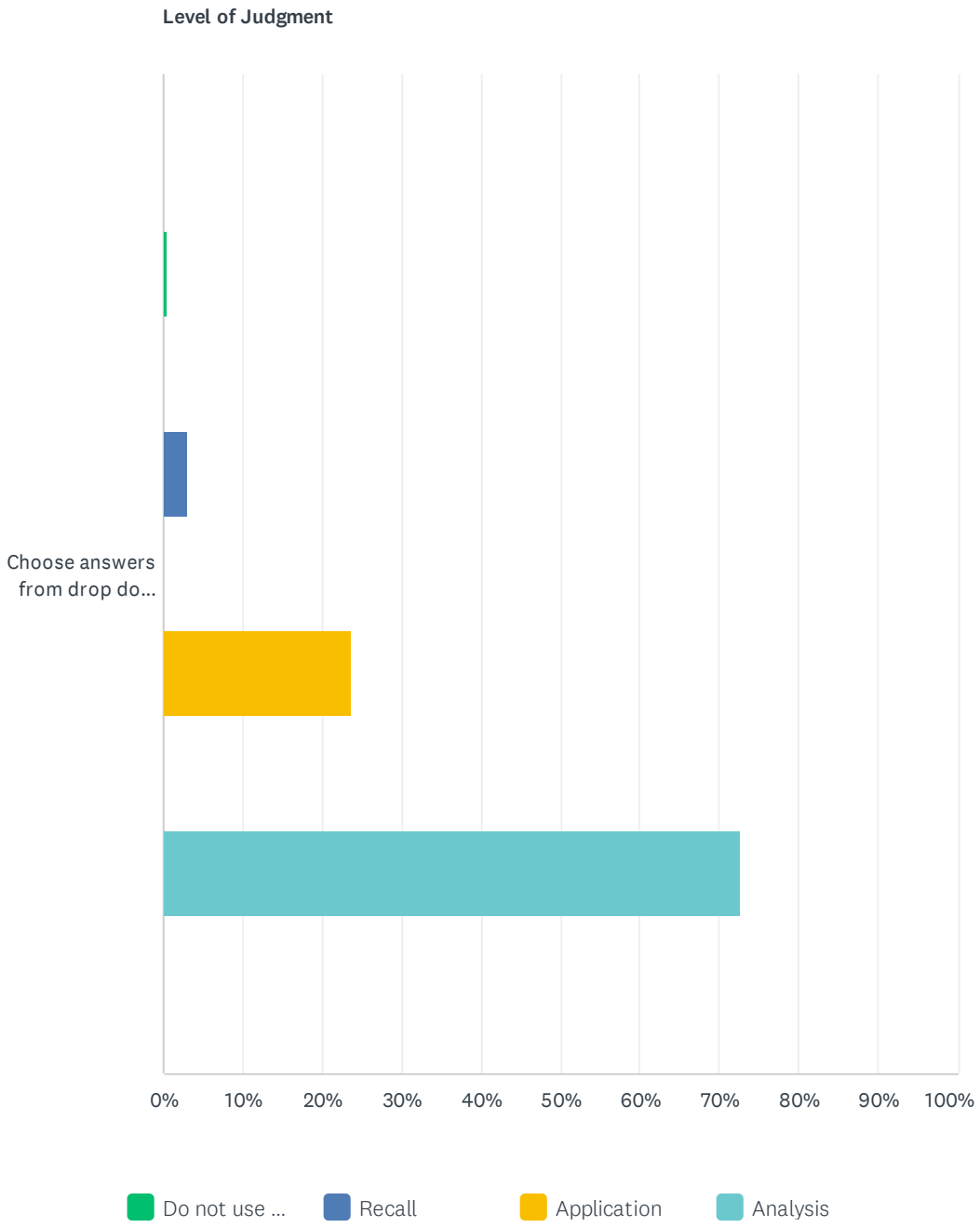
Very import...



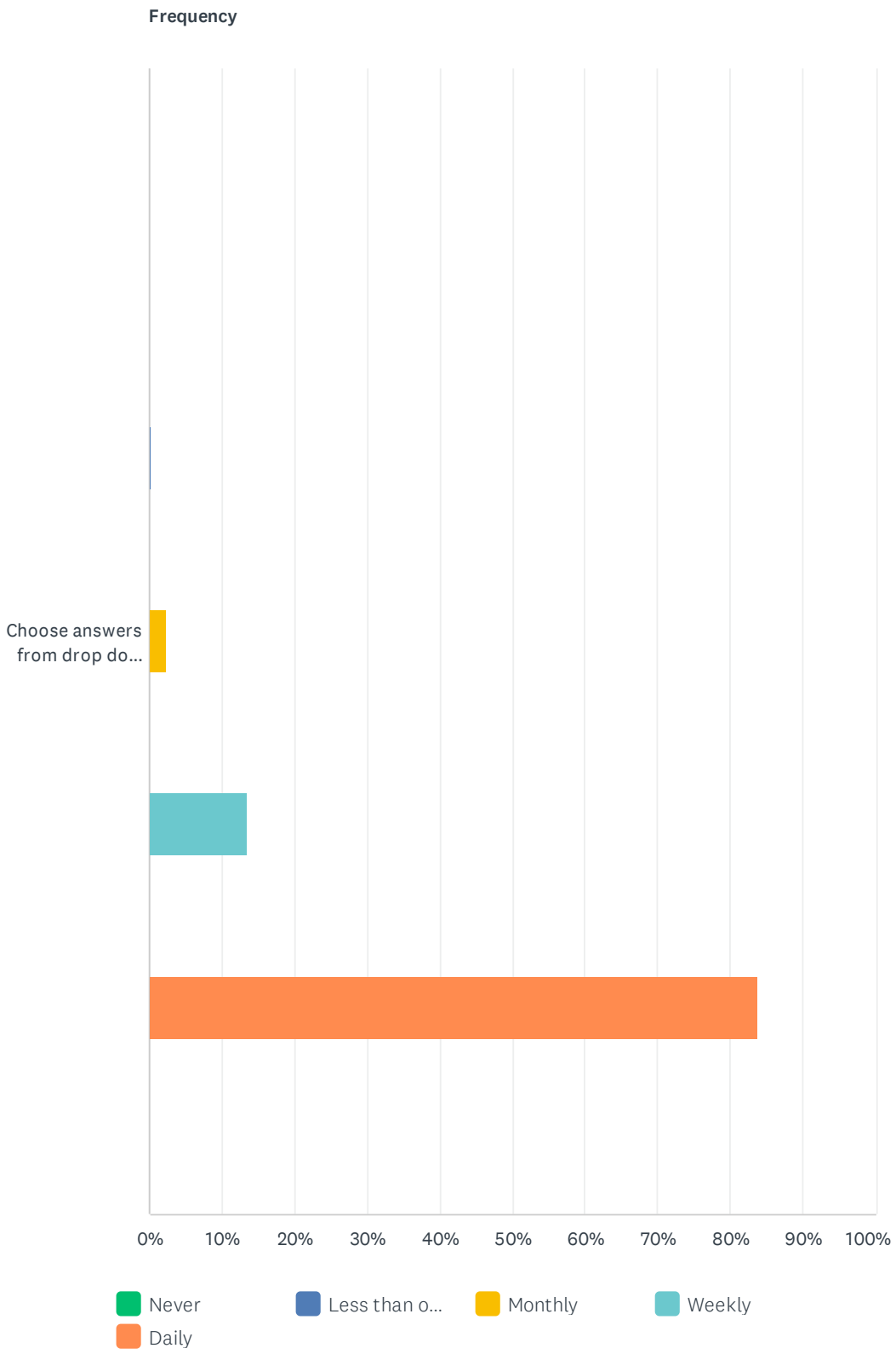

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.66%<br>3 | 0.66%<br>3 | 3.76%<br>17 | 7.74%<br>35 | 87.17%<br>394 | 452 |

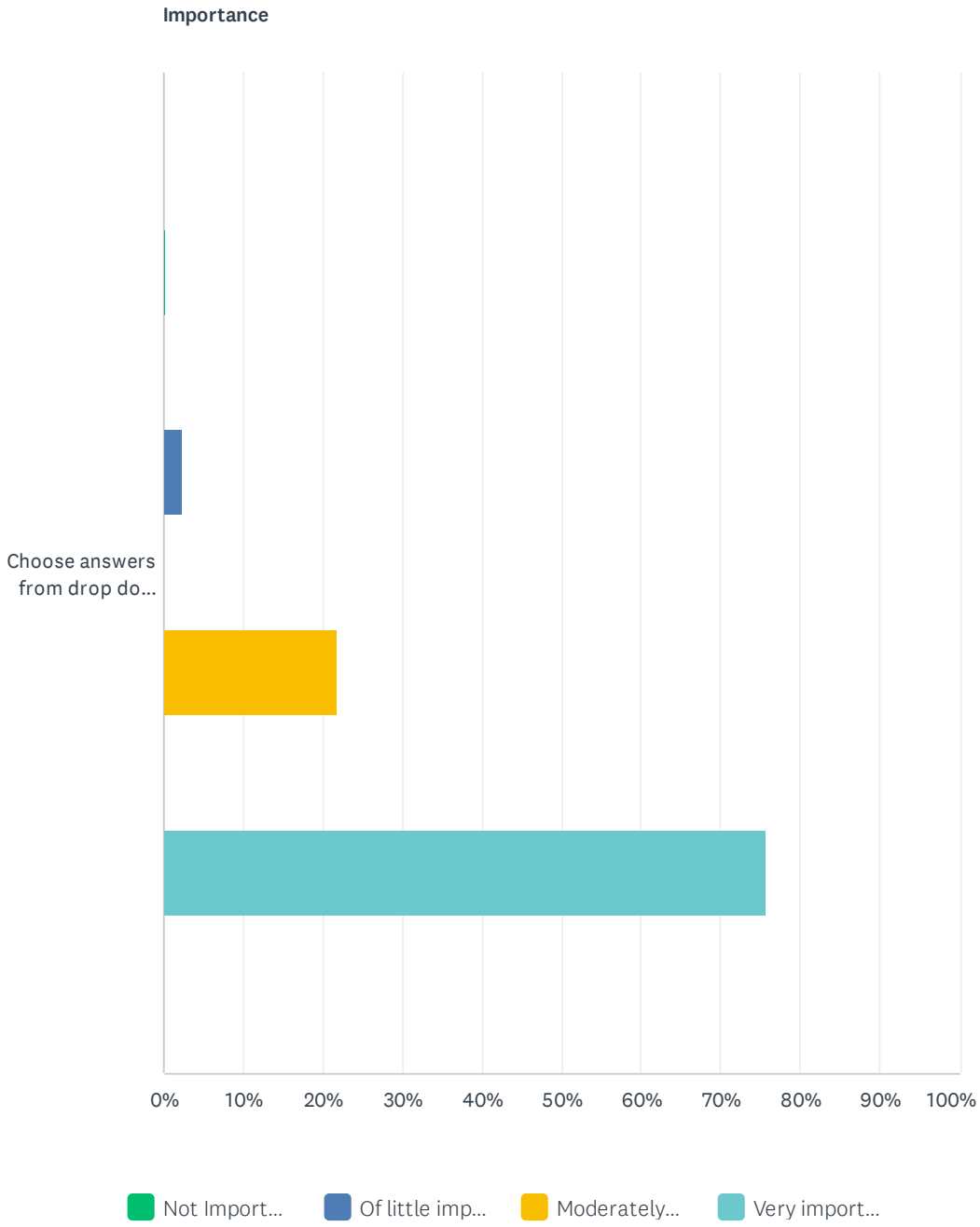
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.45%<br>2 | 4.32%<br>19 | 18.41%<br>81 | 76.82%<br>338 | 440 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.47%<br>2 | 3.06%<br>13 | 23.76%<br>101 | 72.71%<br>309 | <br>425 |

# Q35 1.3.3.5 Motor control and motor learning.

Answered: 453 Skipped: 757

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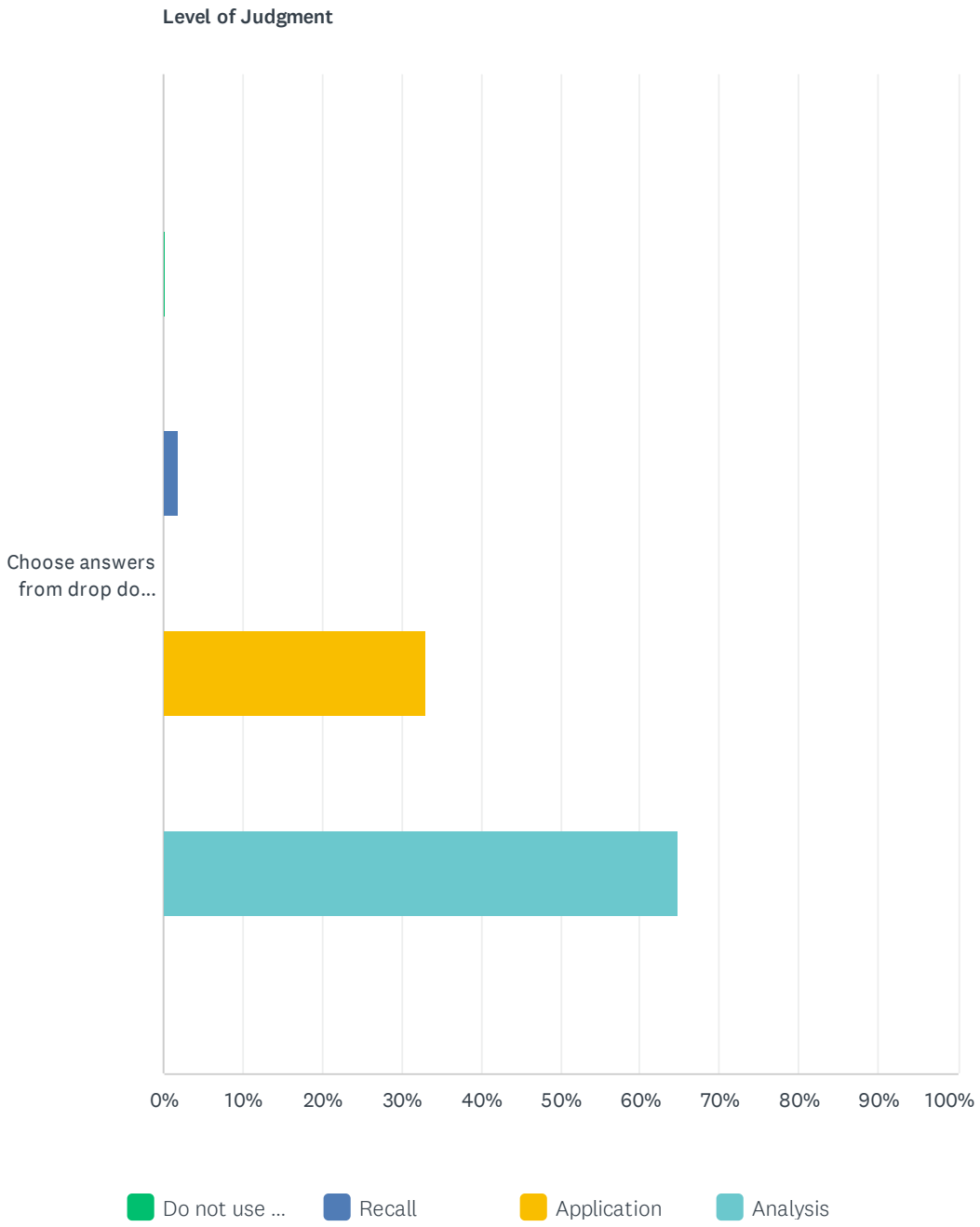
Not Import...
Of little imp...
Moderately...
Very import...



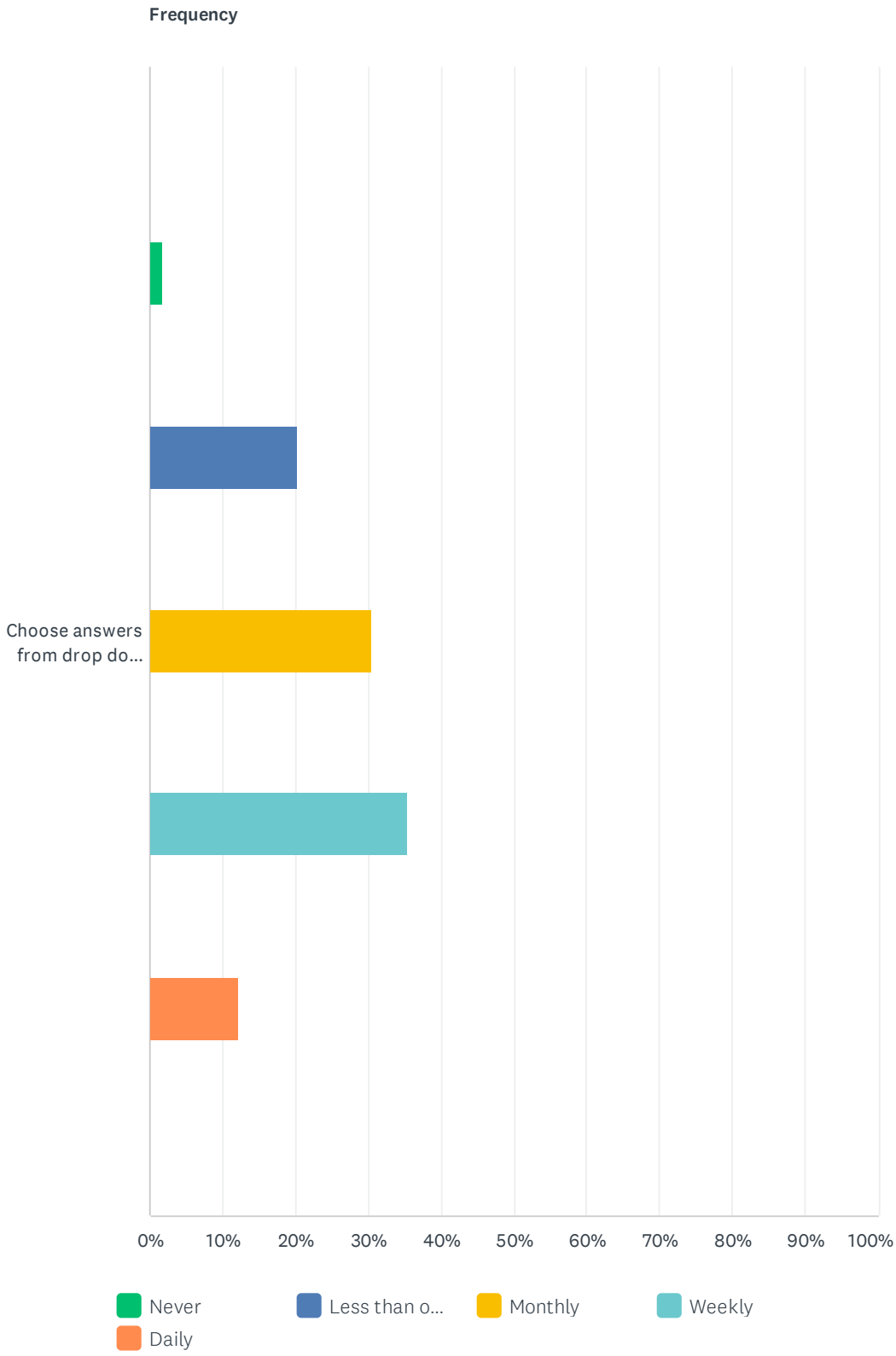

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.22%<br>1 | 2.43%<br>11 | 13.47%<br>61 | 83.89%<br>380 | 453 |

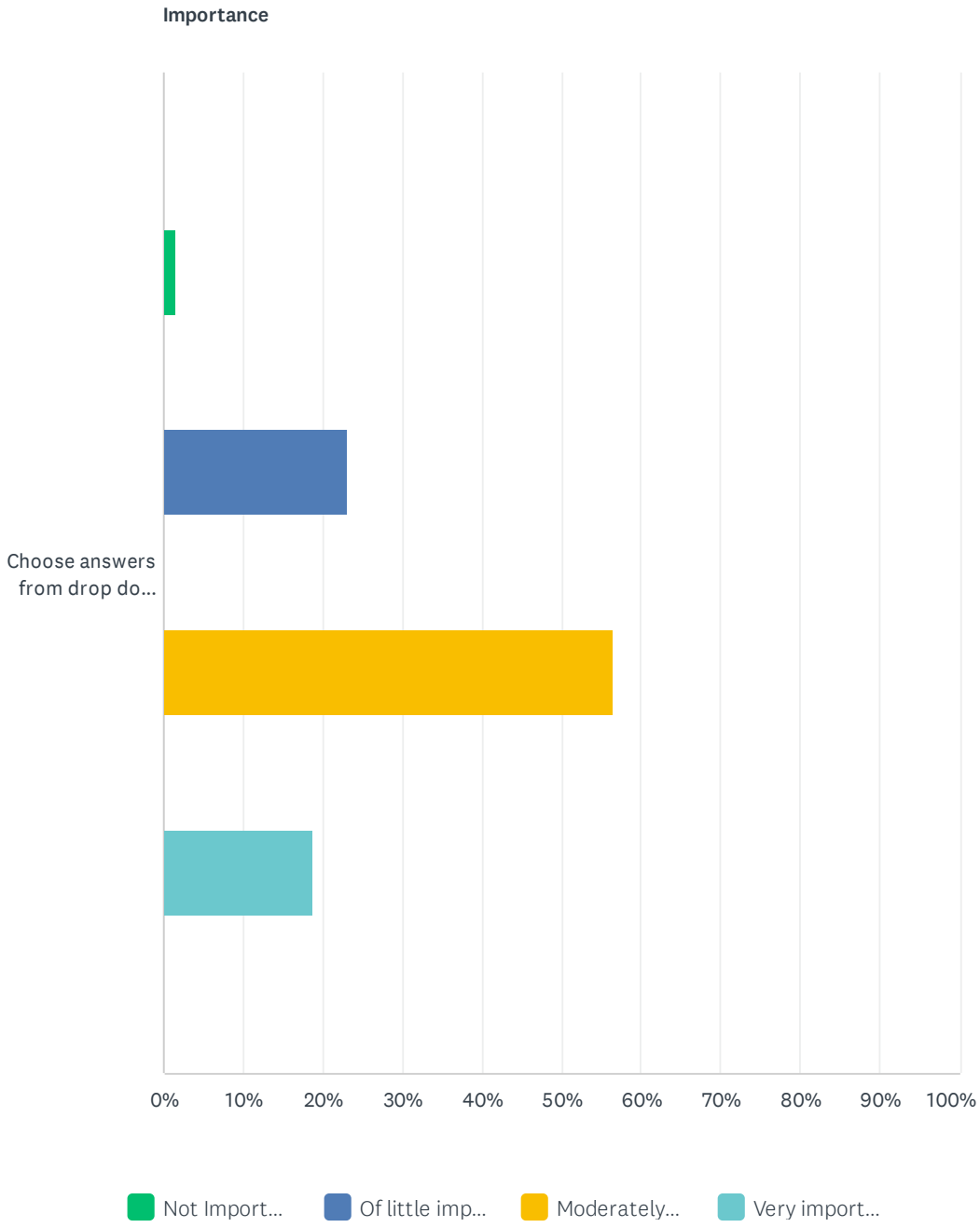
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.23%<br>1 | 2.26%<br>10 | 21.72%<br>96 | 75.79%<br>335 | 442 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.23%<br>1 | 1.88%<br>8 | 33.10%<br>141 | 64.79%<br>276 | <br>426 |

# Q36 1.3.3.6 Theory and application of orthotic, protective, and supportive devices.

Answered: 454 Skipped: 756

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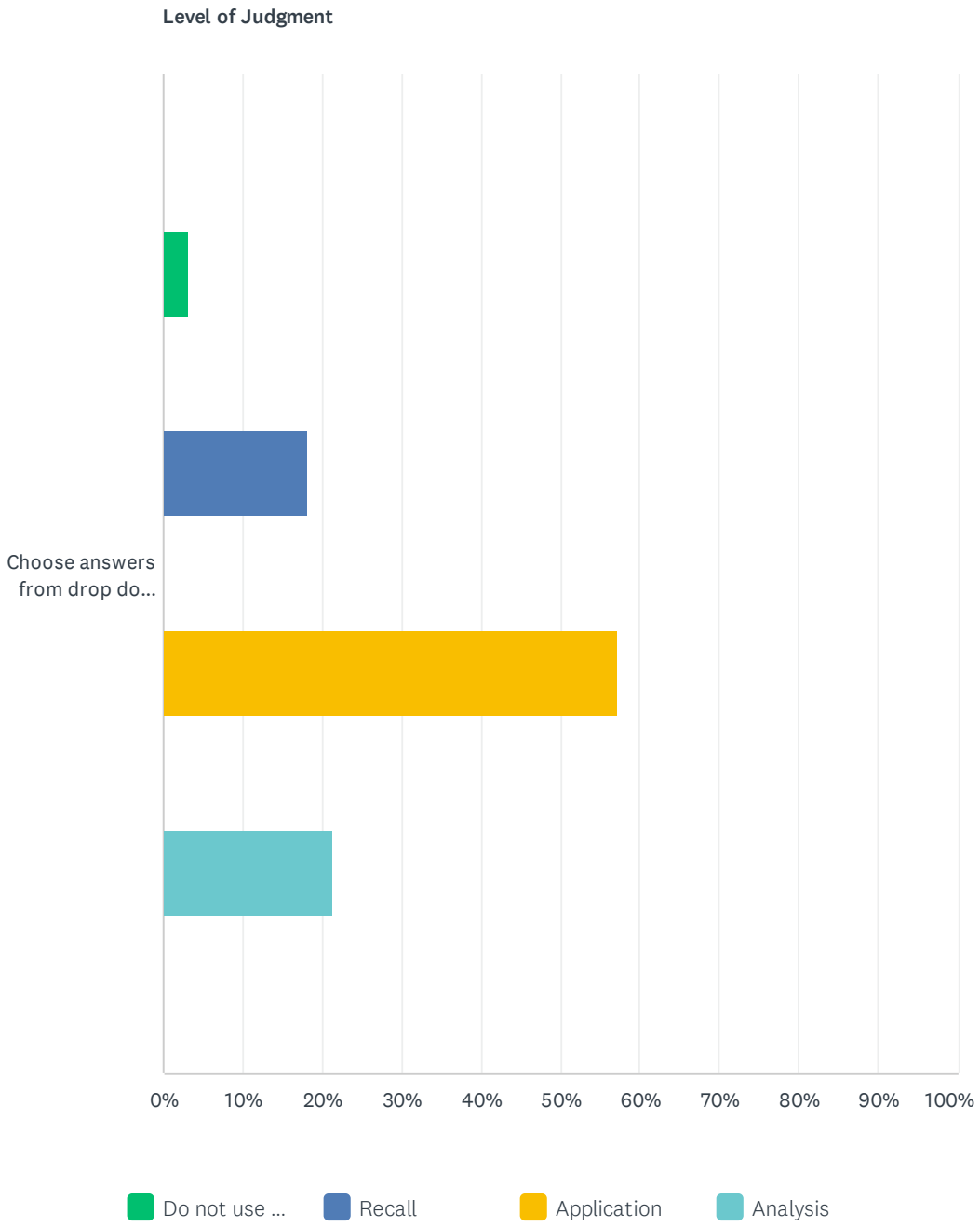


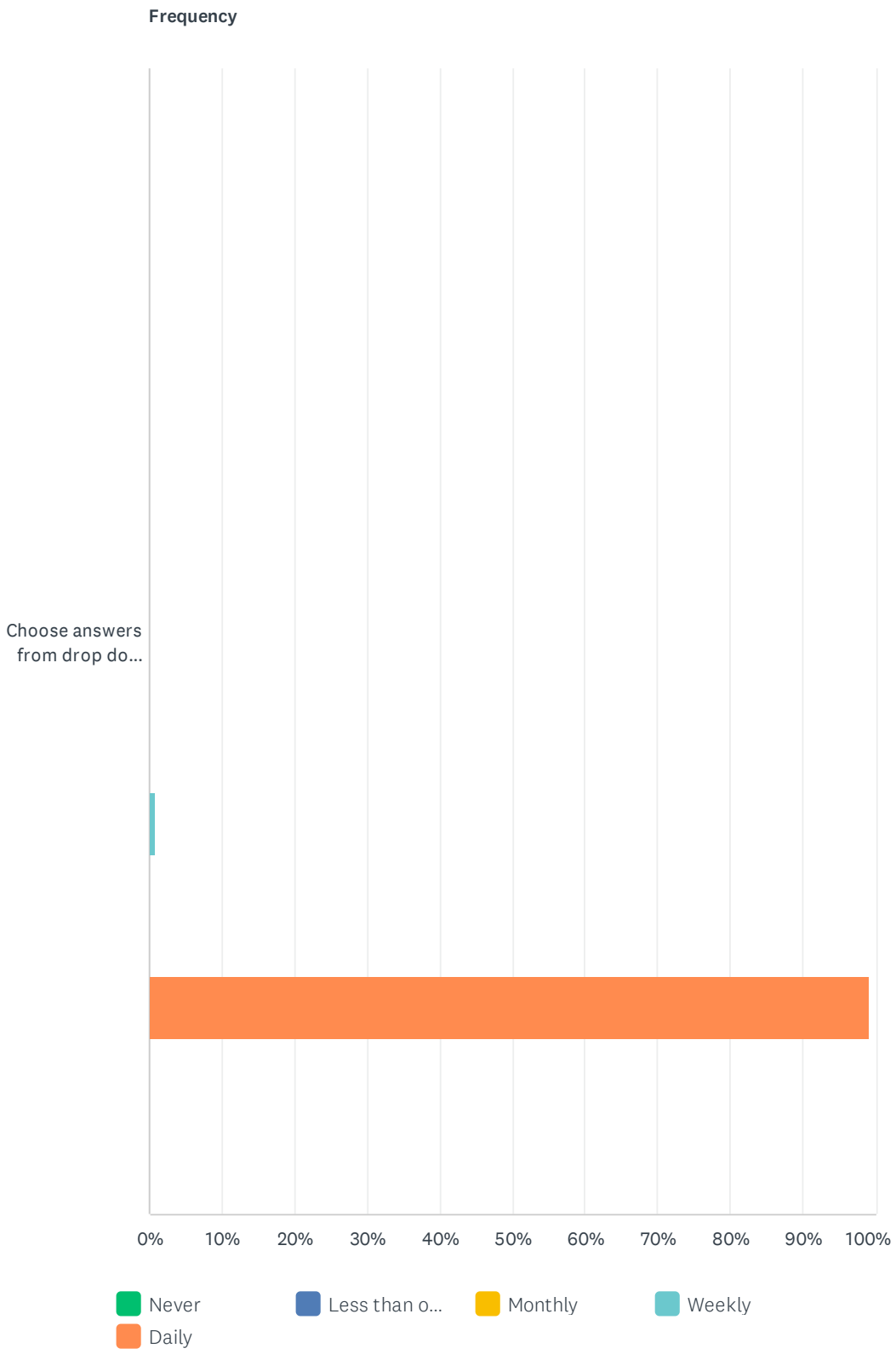

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.76%<br>8 | 20.26%<br>92 | 30.40%<br>138 | 35.46%<br>161 | 12.11%<br>55 | 454 |

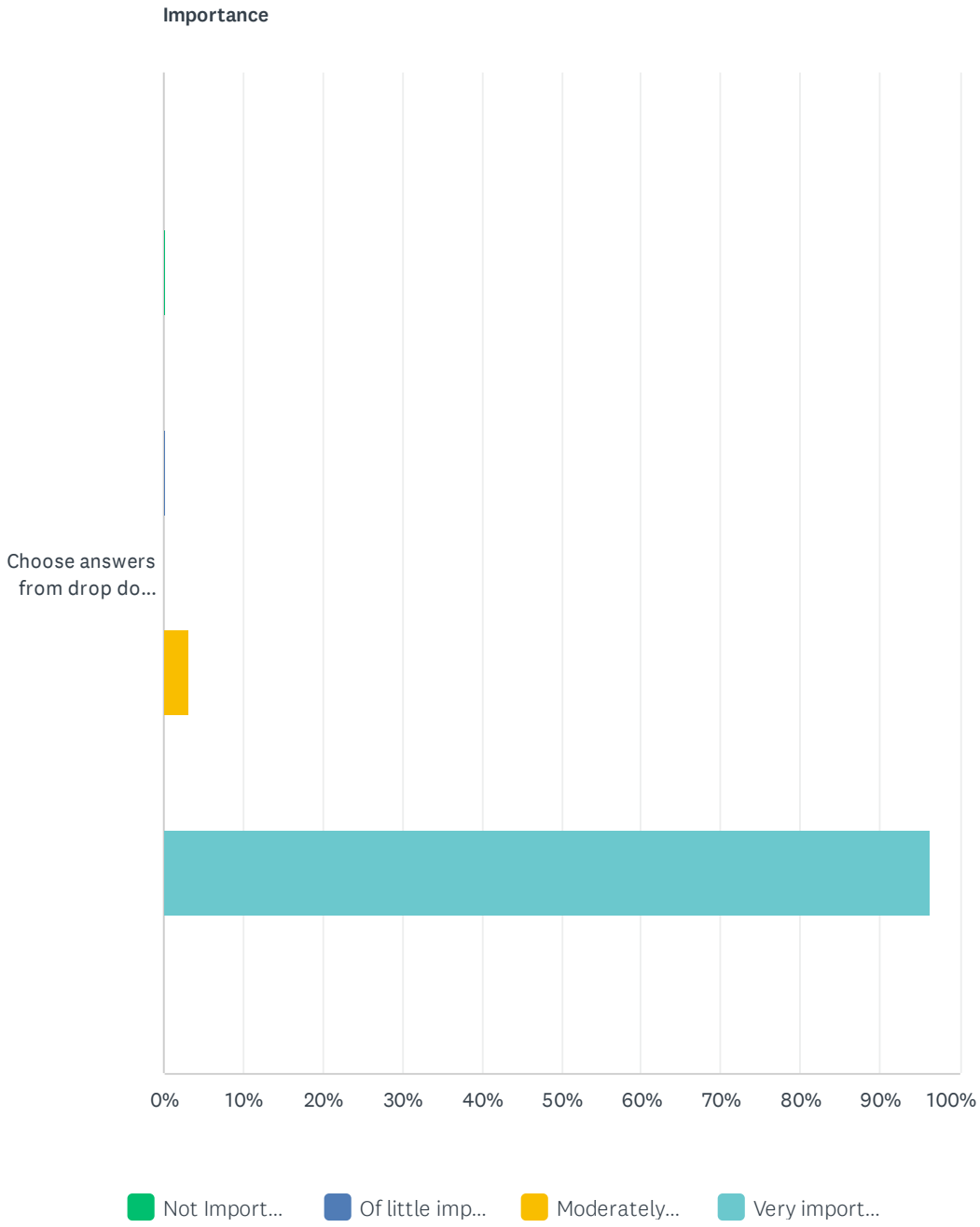
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.58%<br>7 | 23.08%<br>102 | 56.56%<br>250 | 18.78%<br>83 | 442 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 3.29%<br>14 | 18.12%<br>77 | 57.18%<br>243 | 21.41%<br>91 | <br>425 |

# Q37 1.3.3.7 Therapeutic exercise.

Answered: 453 Skipped: 757

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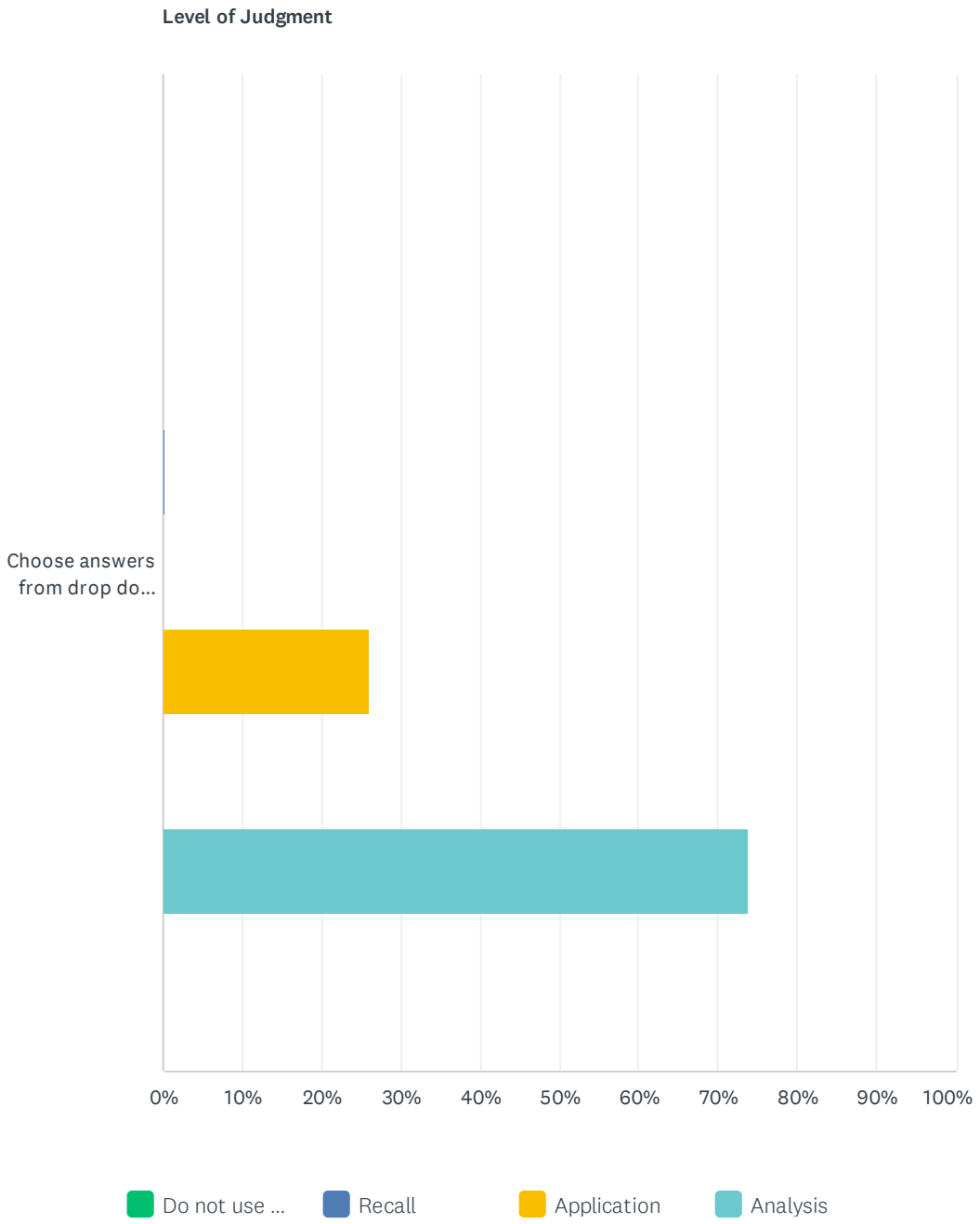


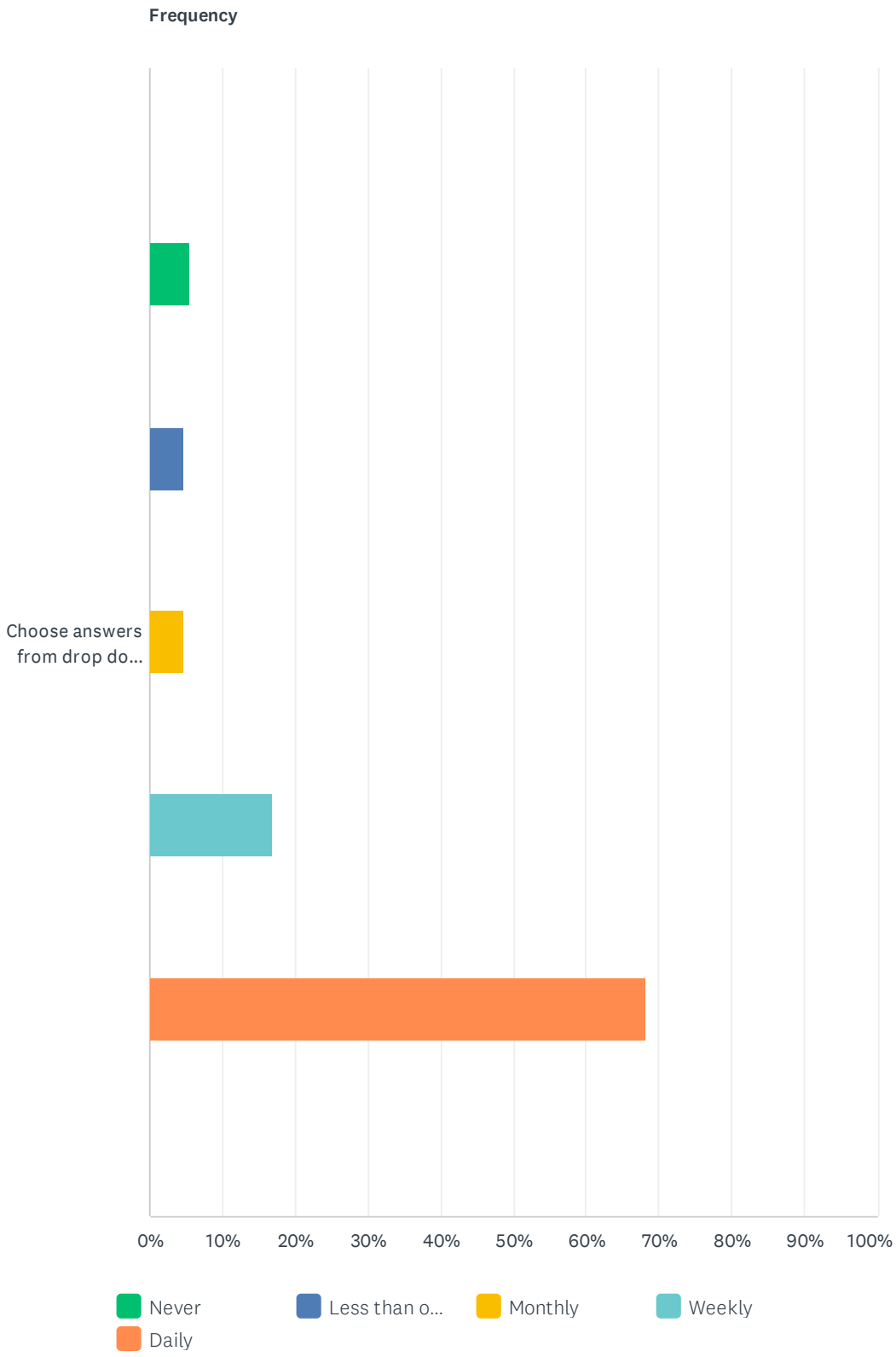

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 0.00%<br>0 | 0.88%<br>4 | 99.12%<br>449 | 453 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.23%<br>1 | 0.23%<br>1 | 3.17%<br>14 | 96.38%<br>426 | 442 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.23%<br>1 | 26.00%<br>111 | 73.77%<br>315 | <br>427 |

# Q38 1.3.3.8 Models of differential diagnosis and clinical reasoning (e.g., hypothesis-oriented algorithm for clinicians (HOAC) model, prospect theory).

Answered: 447 Skipped: 763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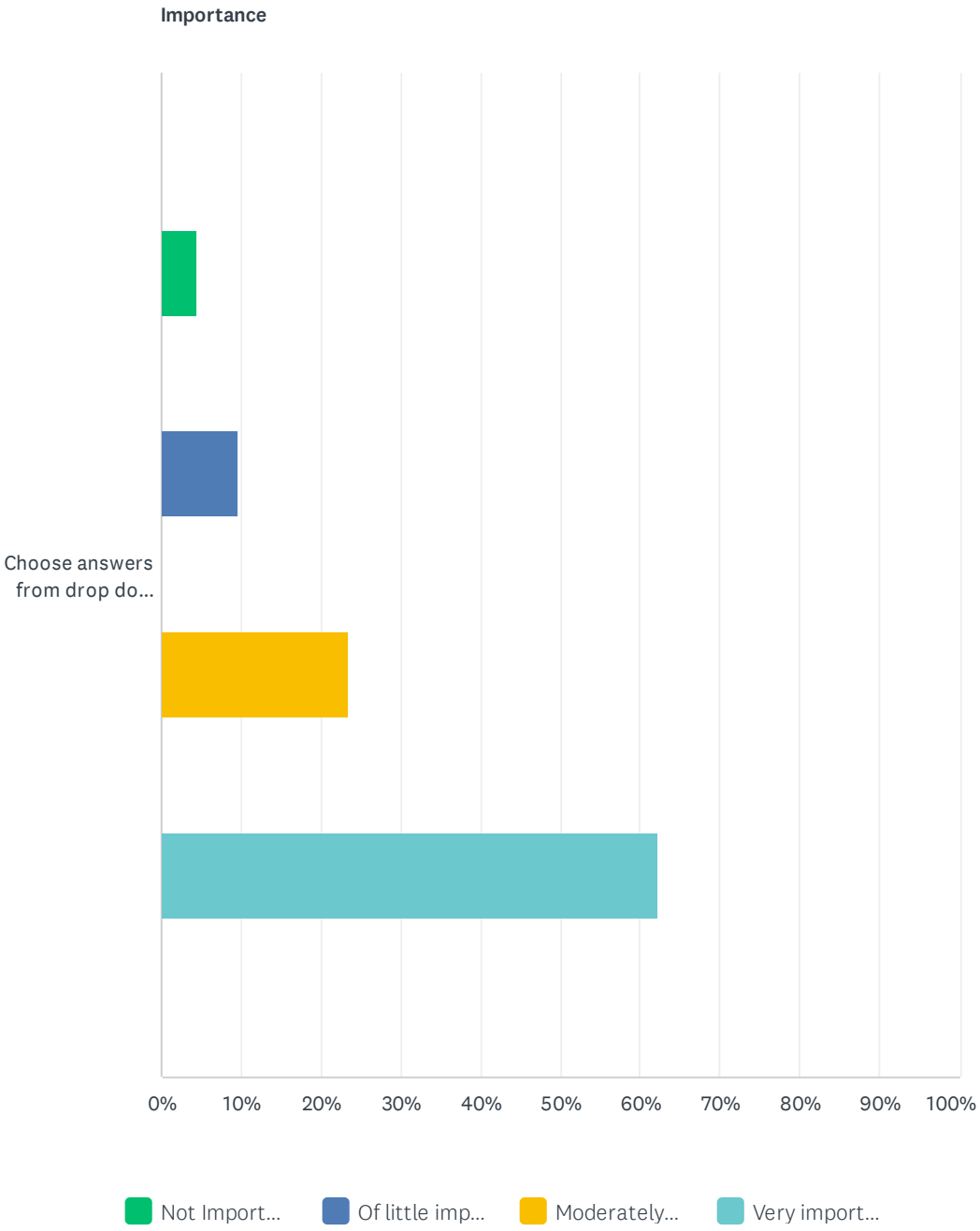
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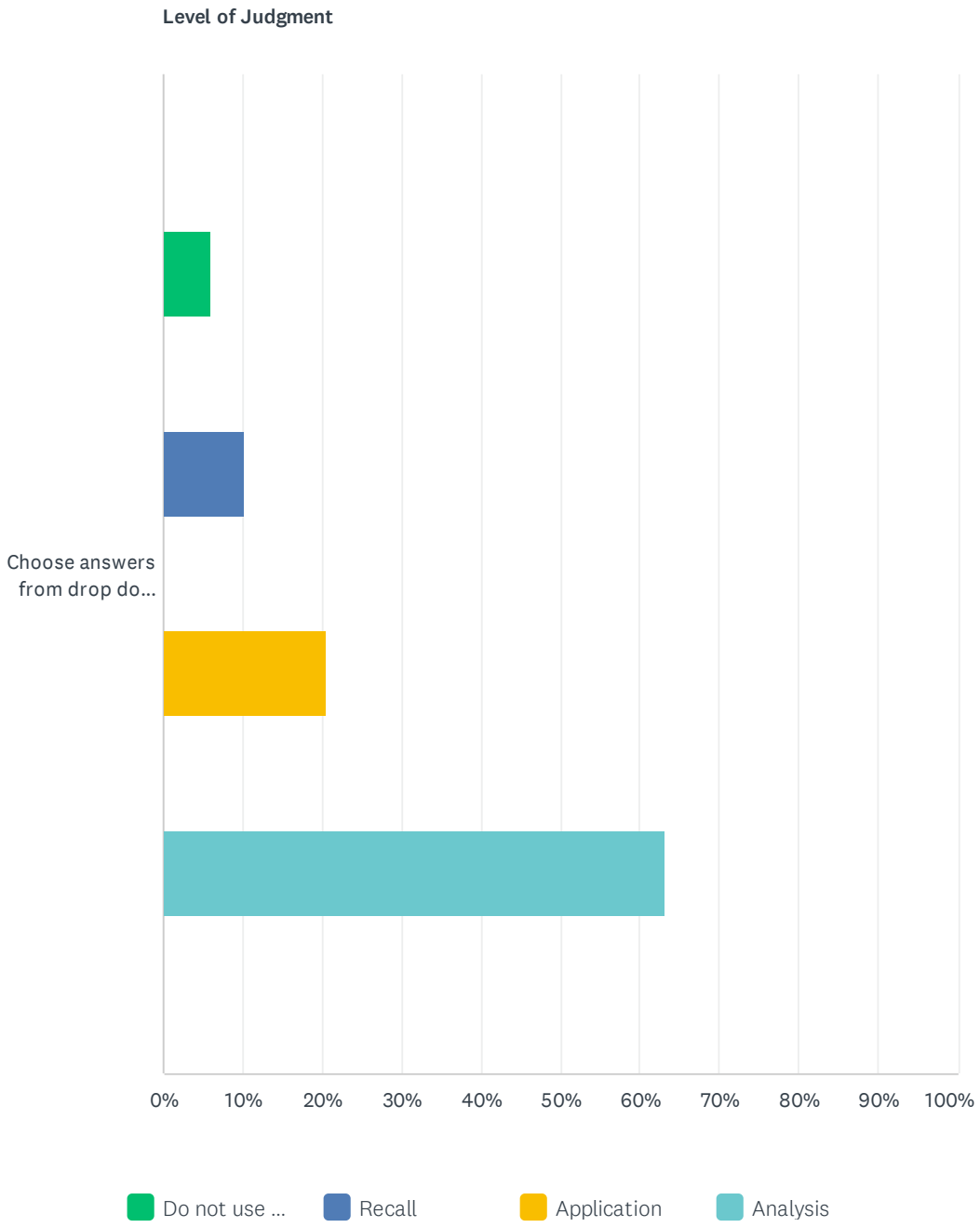


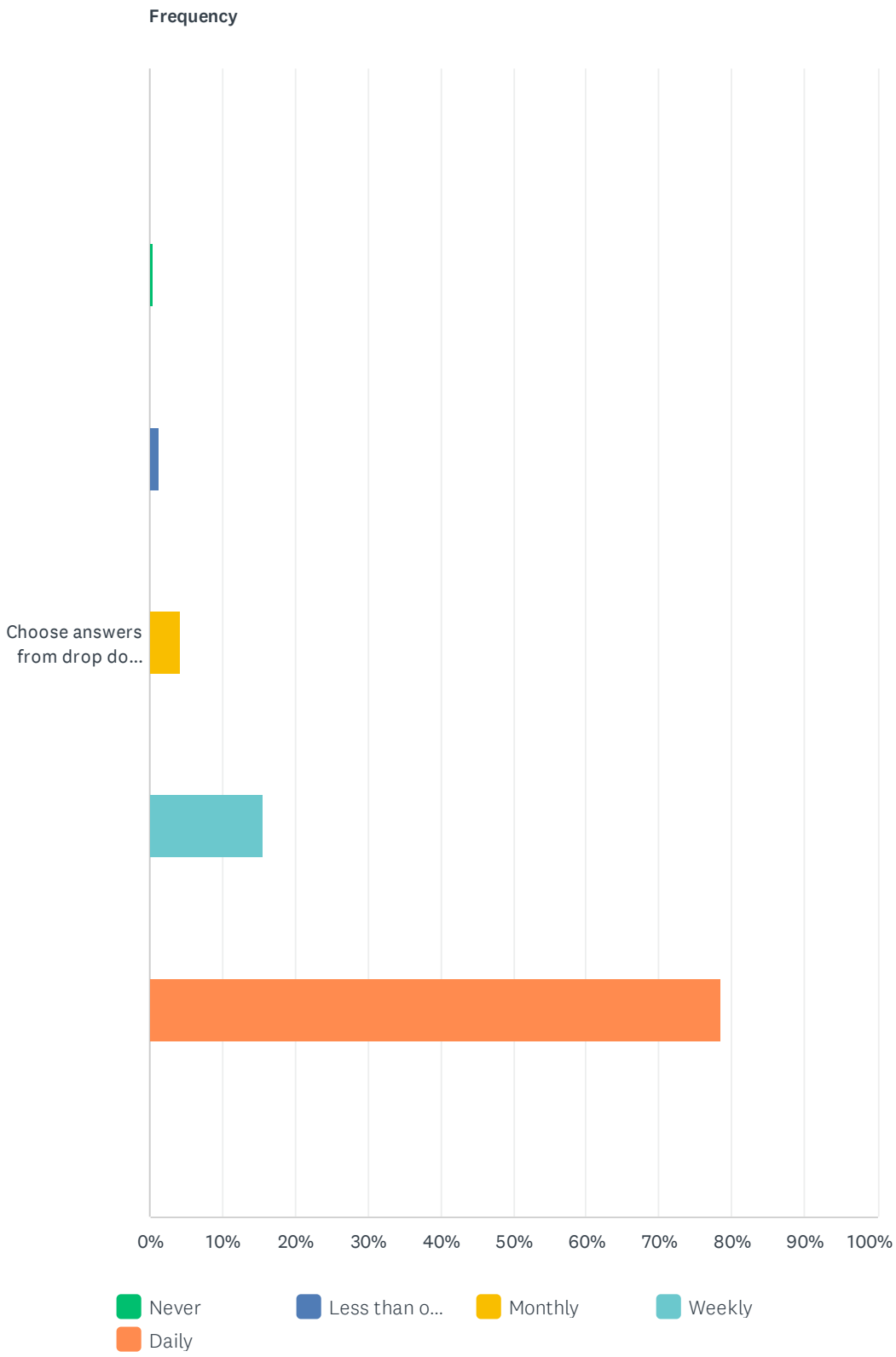

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 5.59%<br>25 | 4.70%<br>21 | 4.70%<br>21 | 16.78%<br>75 | 68.23%<br>305 | 447 |

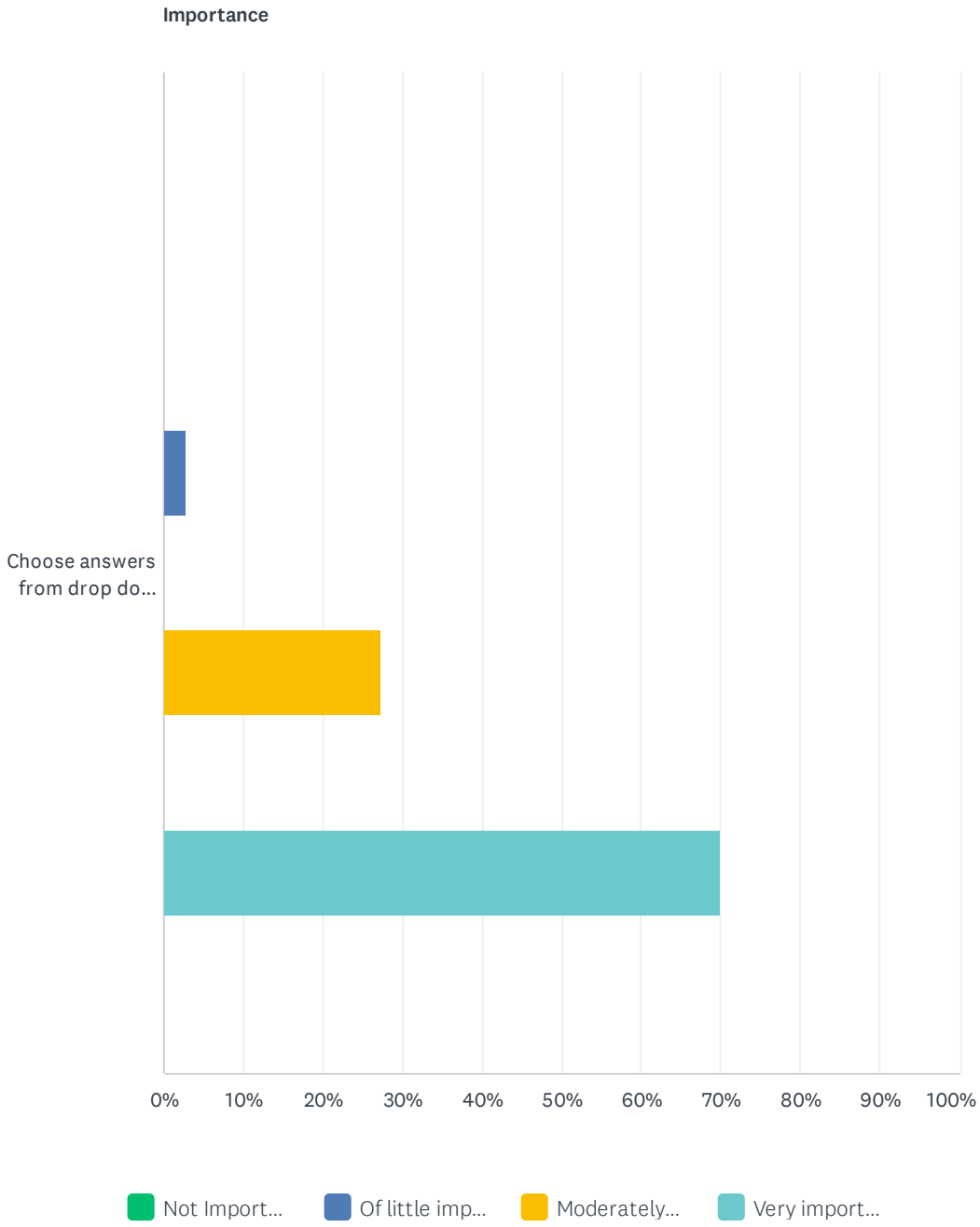
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 4.39%<br>19 | 9.70%<br>42 | 23.56%<br>102 | 62.36%<br>270 | 433 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 5.98%<br>25 | 10.29%<br>43 | 20.57%<br>86 | 63.16%<br>264 | <br>418 |

# Q39 1.3.3.9 Principles of teaching and learning.

Answered: 454 Skipped: 756

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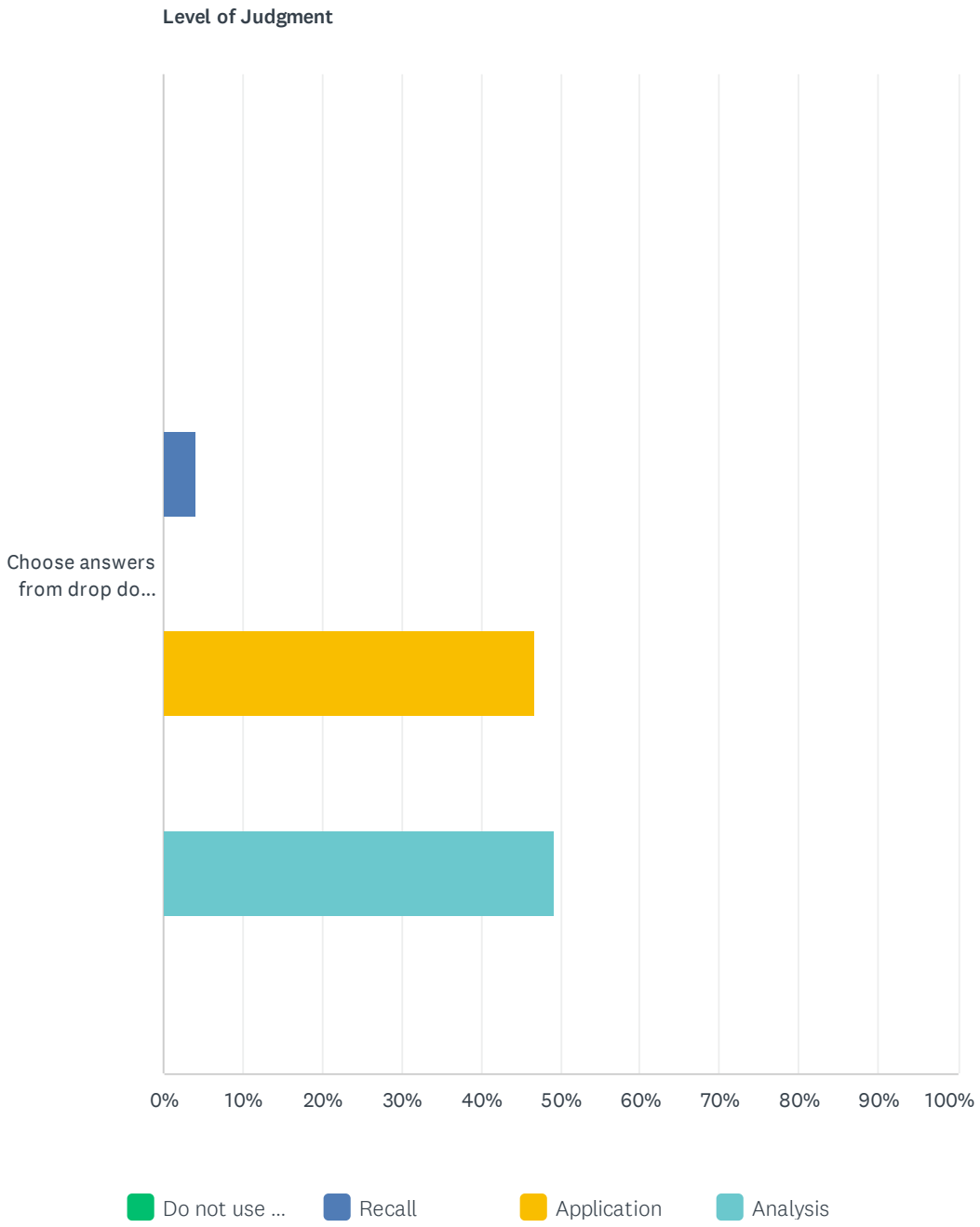


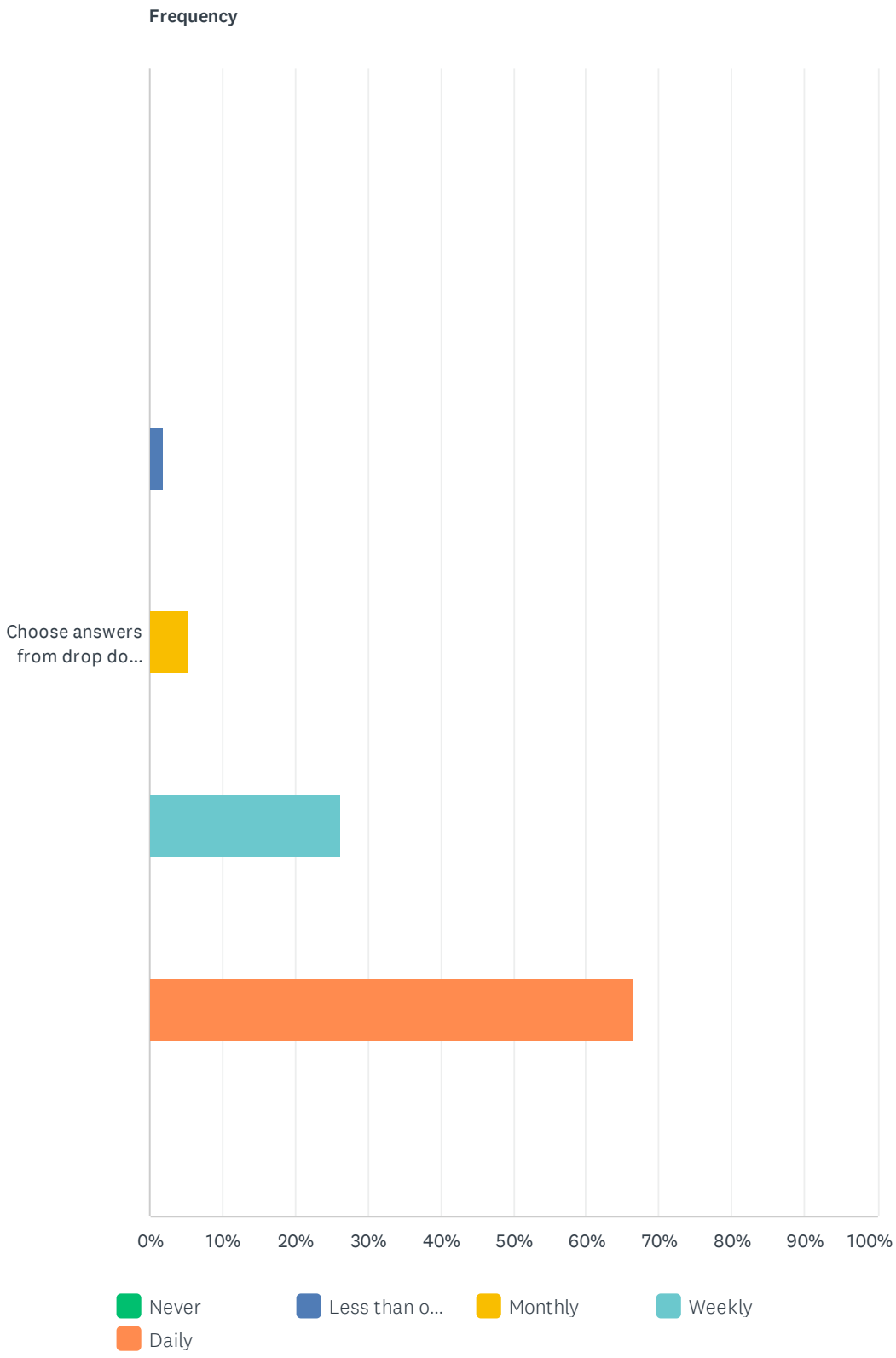

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.44%<br>2 | 1.32%<br>6 | 4.19%<br>19 | 15.64%<br>71 | 78.41%<br>356 | 454 |

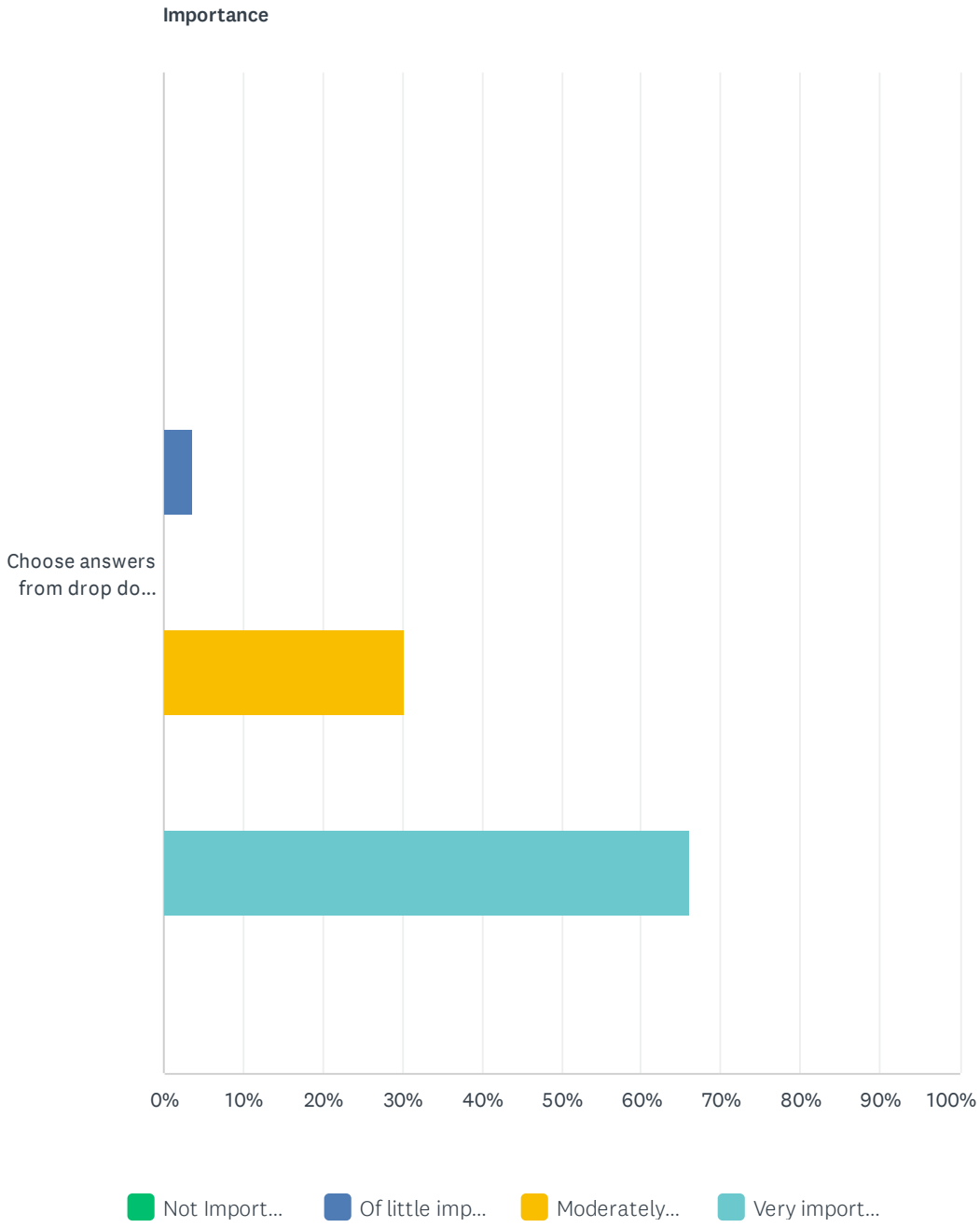
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 2.71%<br>12 | 27.38%<br>121 | 69.91%<br>309 | 442 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.00%<br>0 | 3.97%<br>17 | 46.73%<br>200 | 49.30%<br>211 | <br>428 |

# Q40 1.3.3.10 Principles of prevention and wellness.

Answered: 454 Skipped: 756

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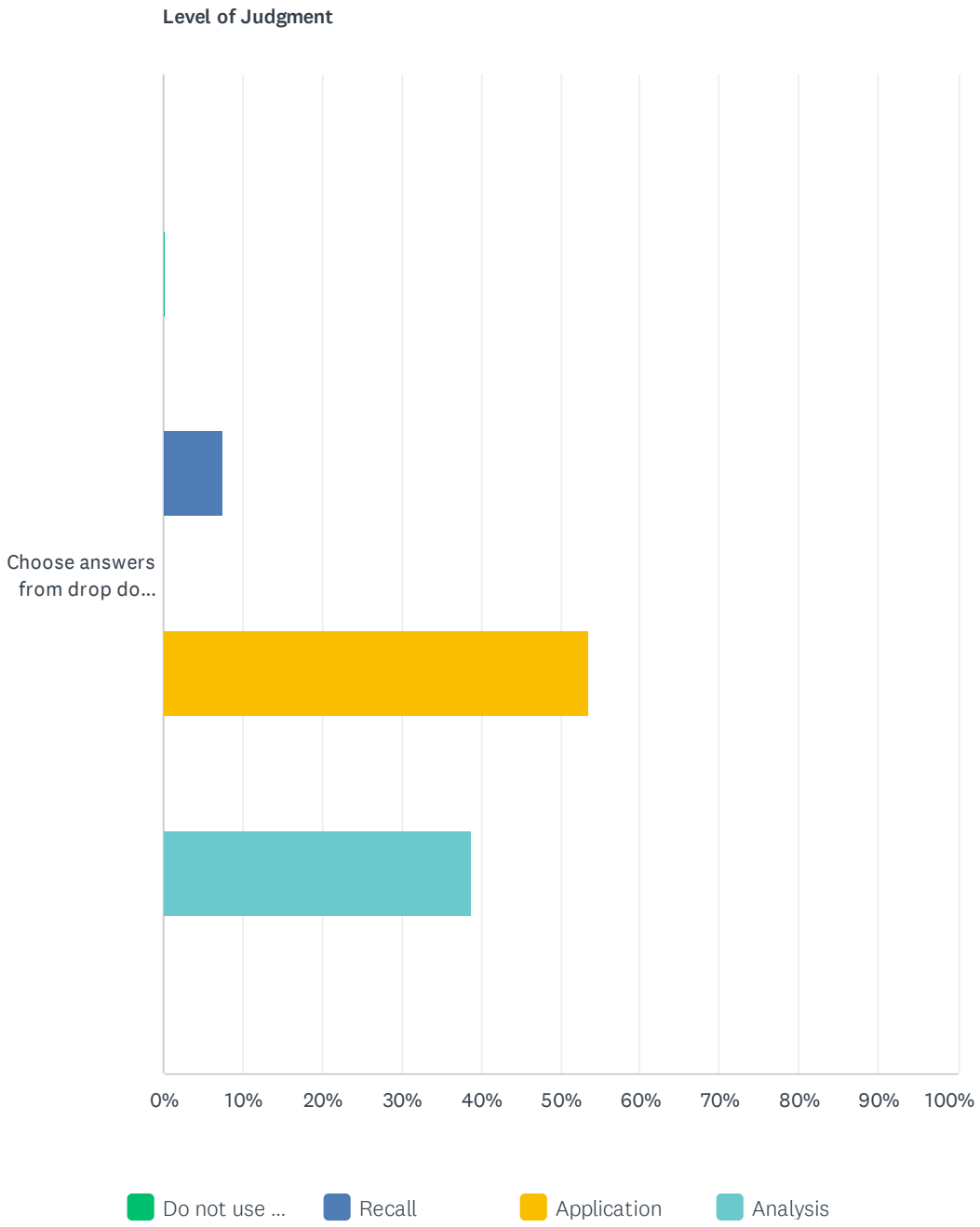


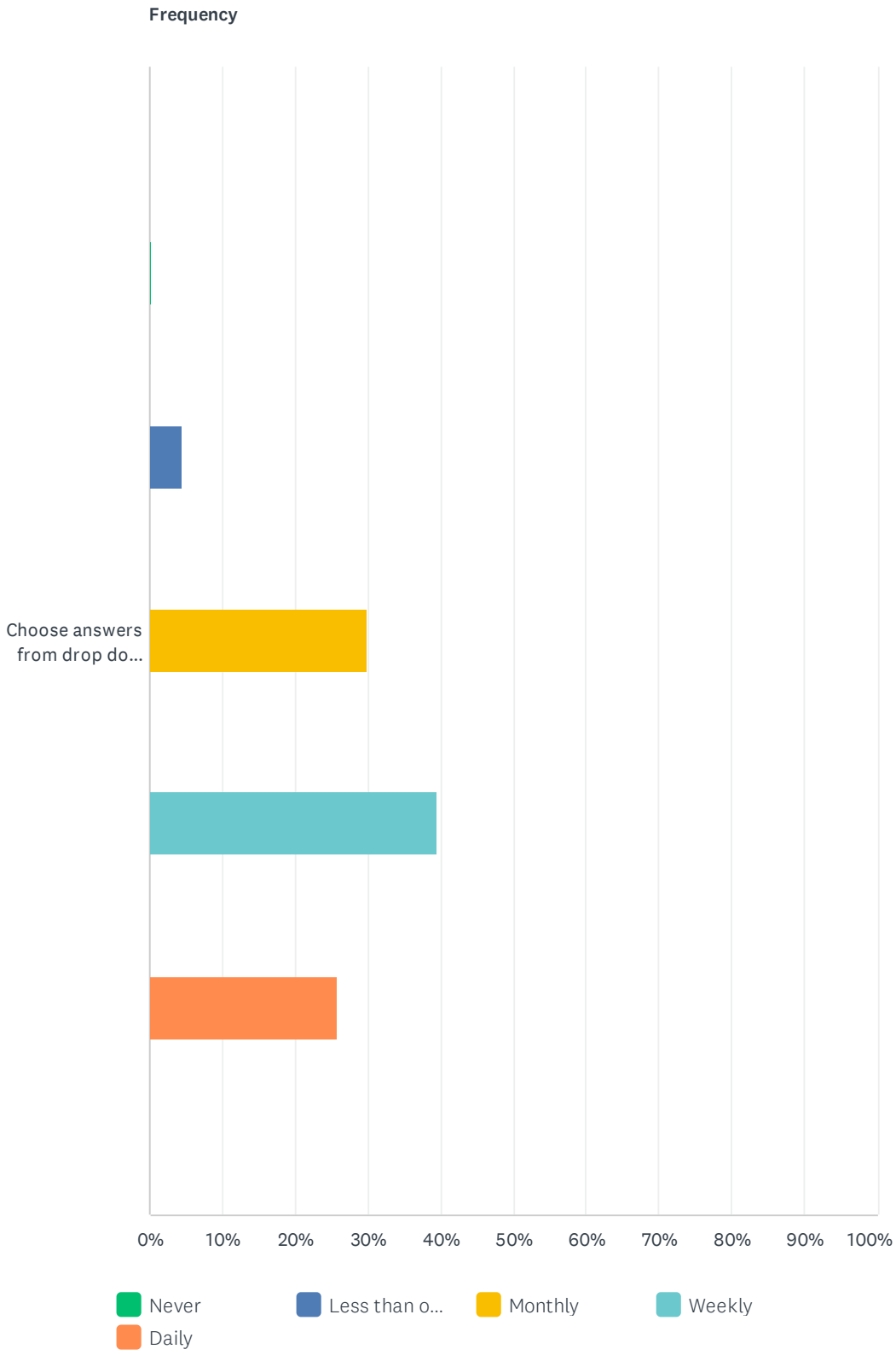

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.98%<br>9 | 5.29%<br>24 | 26.21%<br>119 | 66.52%<br>302 | 454 |

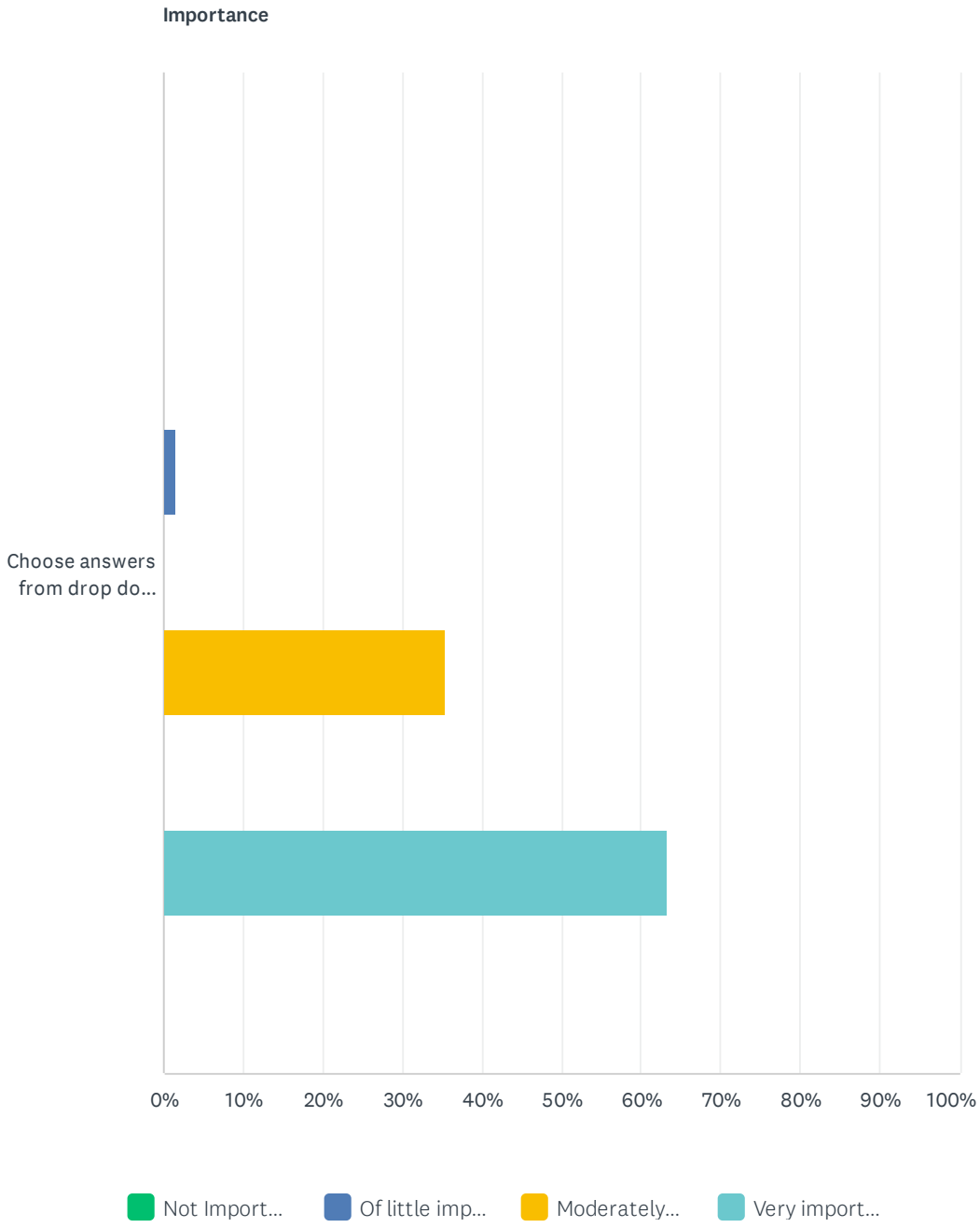
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 3.61%<br>16 | 30.25%<br>134 | 66.14%<br>293 | 443 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.23%<br>1 | 7.48%<br>32 | 53.50%<br>229 | 38.79%<br>166 | 428 |

# Q41 1.4.1 Critical interpretation of research findings on orthopaedic spine physical therapy practice.

Answered: 441 Skipped: 769

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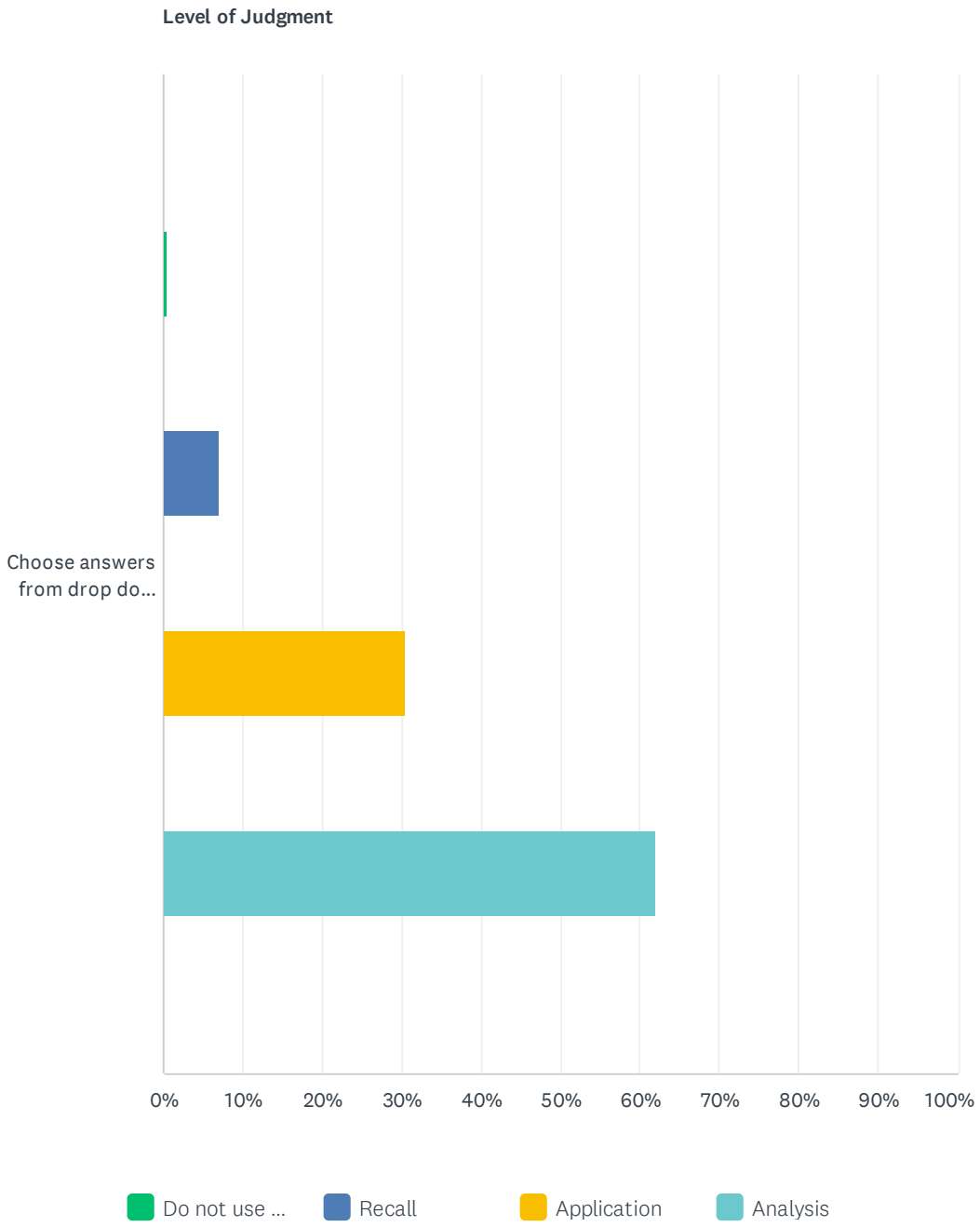


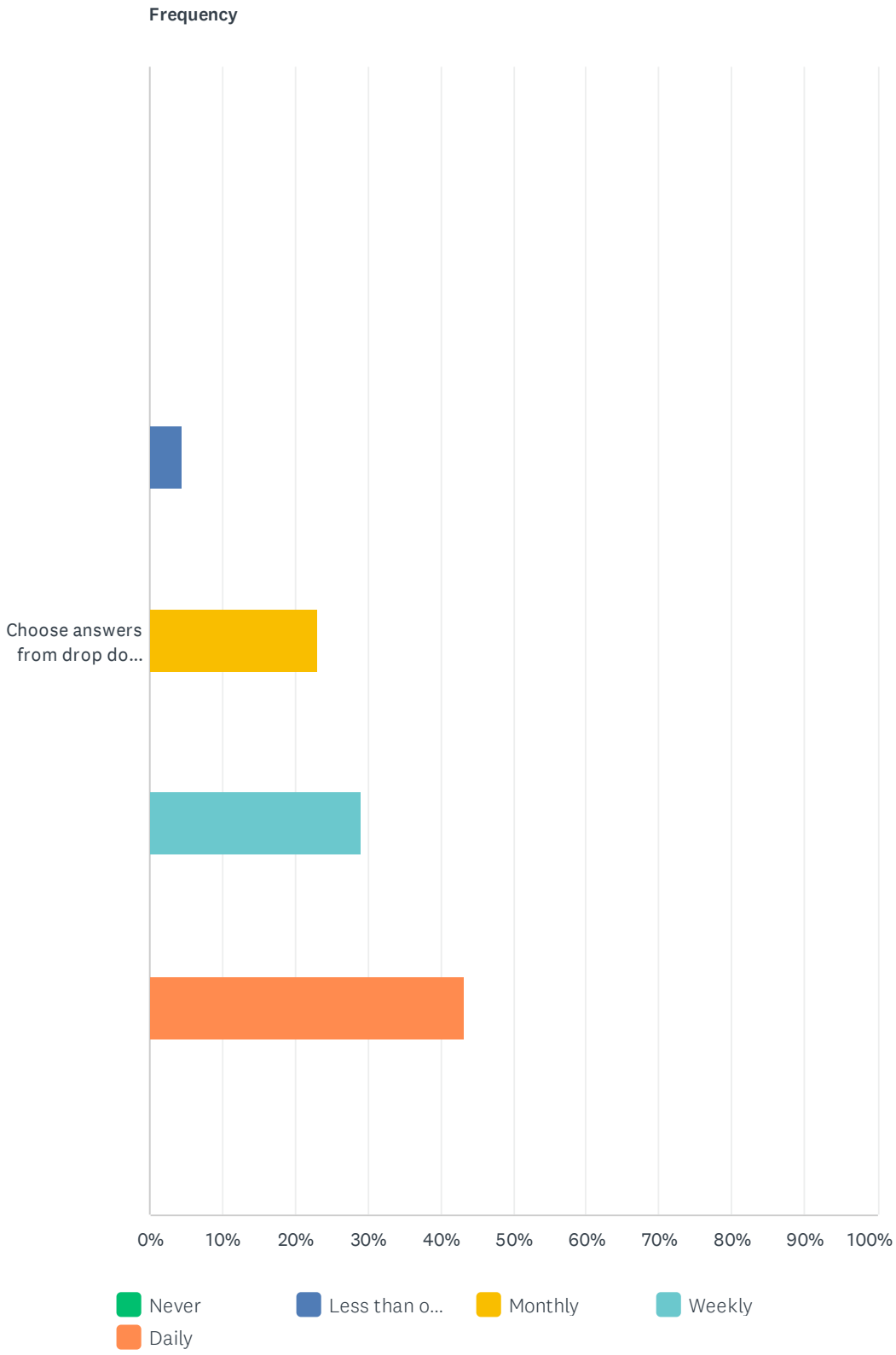

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.23%<br>1 | 4.54%<br>20 | 29.93%<br>132 | 39.46%<br>174 | 25.85%<br>114 | <br>441 |

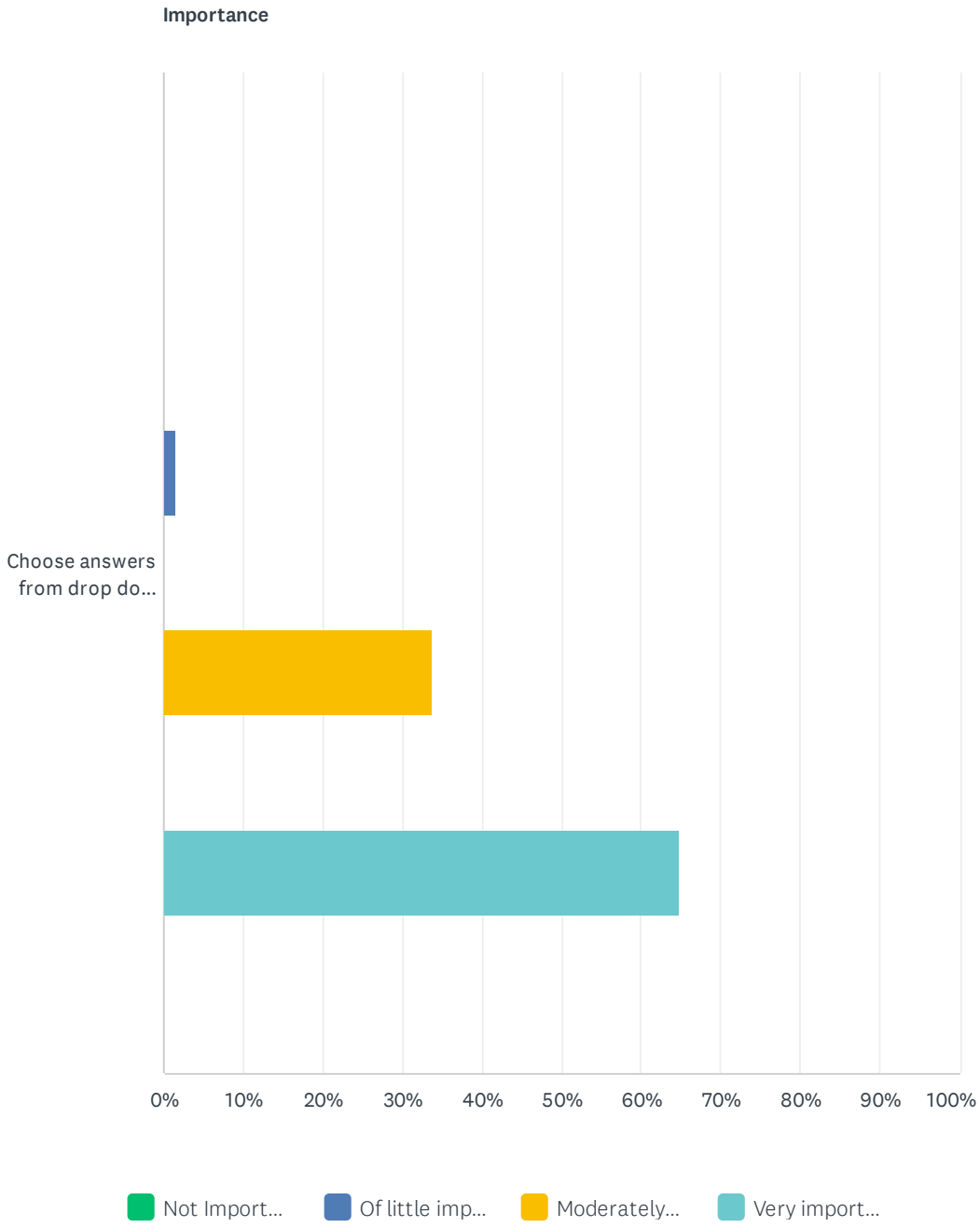
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.40%<br>6 | 35.35%<br>152 | 63.26%<br>272 | <br>430 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.48%<br>2 | 6.97%<br>29 | 30.53%<br>127 | 62.02%<br>258 | <br>416 |

# Q42 1.4.2 Application of research findings to orthopaedic spine physical therapy practice.

Answered: 441 Skipped: 769

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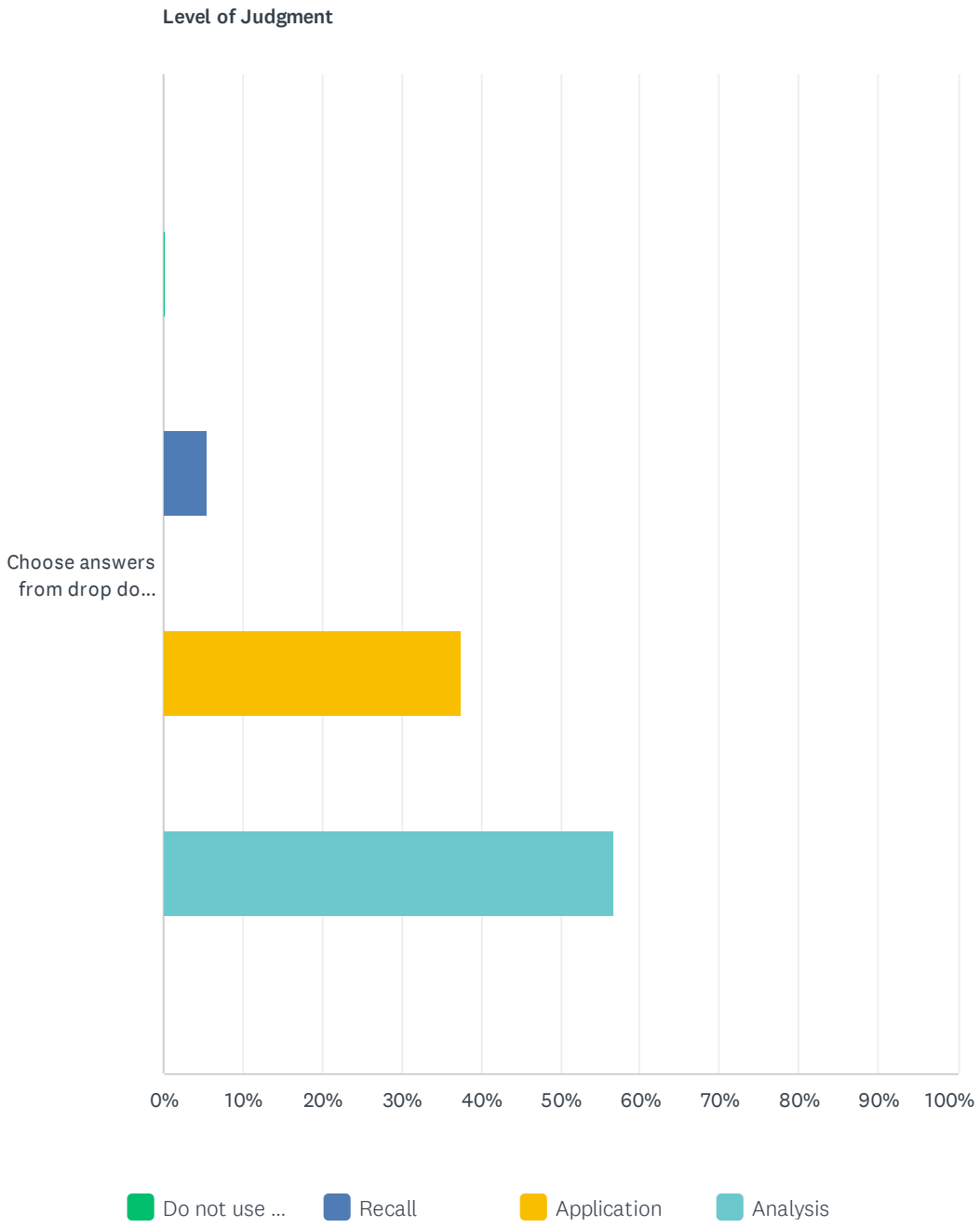


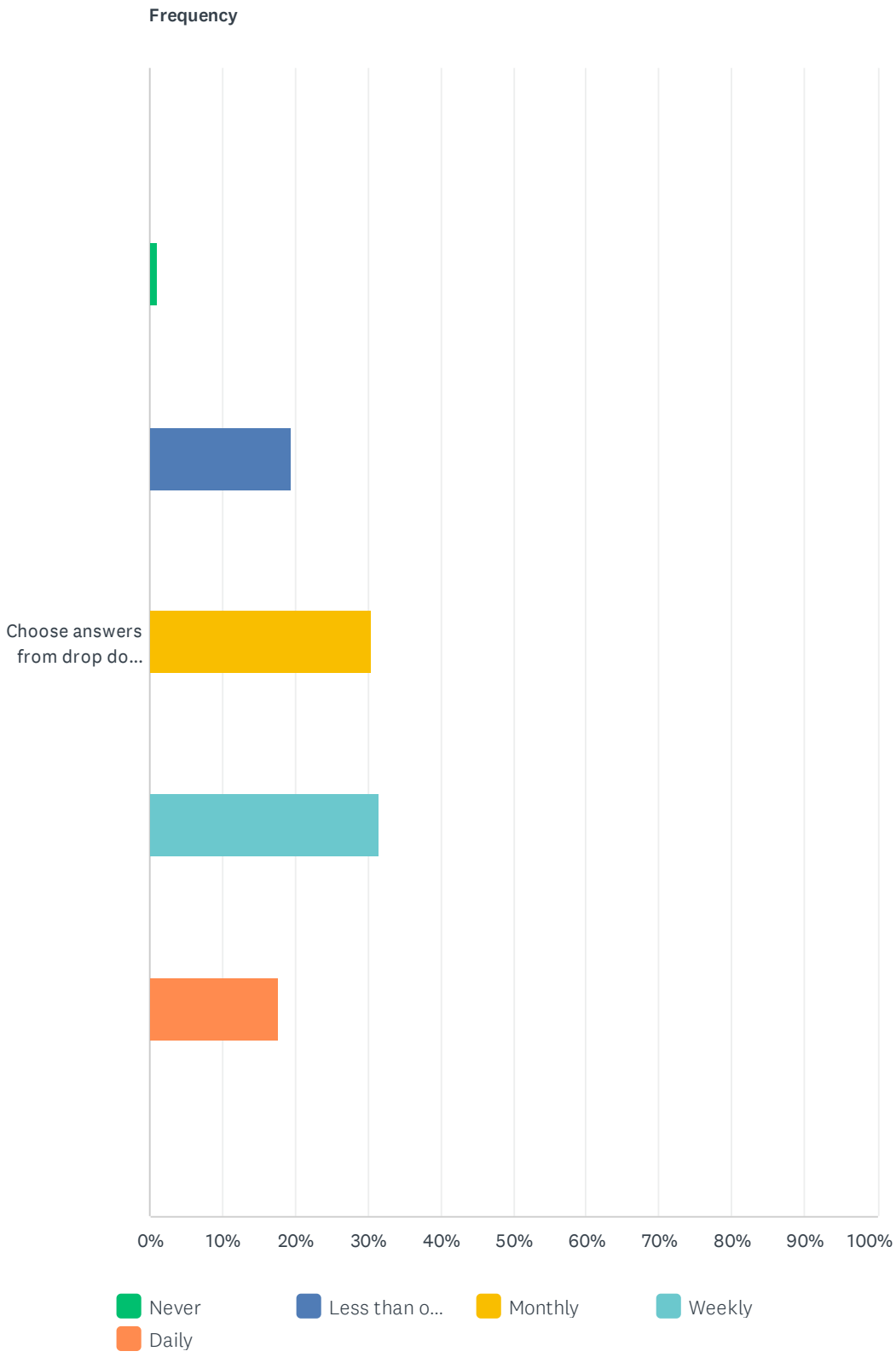

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 4.54%<br>20 | 23.13%<br>102 | 29.02%<br>128 | 43.31%<br>191 | 441 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | OF LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.40%<br>6 | 33.72%<br>145 | 64.88%<br>279 | 430 |

| Level of Judgment | | | | | |
|---|---|---|---|---|---|
| | **DO NOT USE IN THEIR WORK** | **RECALL** | **APPLICATION** | **ANALYSIS** | **TOTAL** |
| Choose answers from drop down menus. | 0.24%<br>1 | 5.56%<br>23 | 37.44%<br>155 | 56.76%<br>235 | <br>414 |

# Q43 2.1.1 Consulting with and/or educating peers, colleagues, other health care professionals, community, agencies, legislative and/or regulatory organizations regarding issues of orthopaedic spine physical therapy practice.

Answered: 408 Skipped: 802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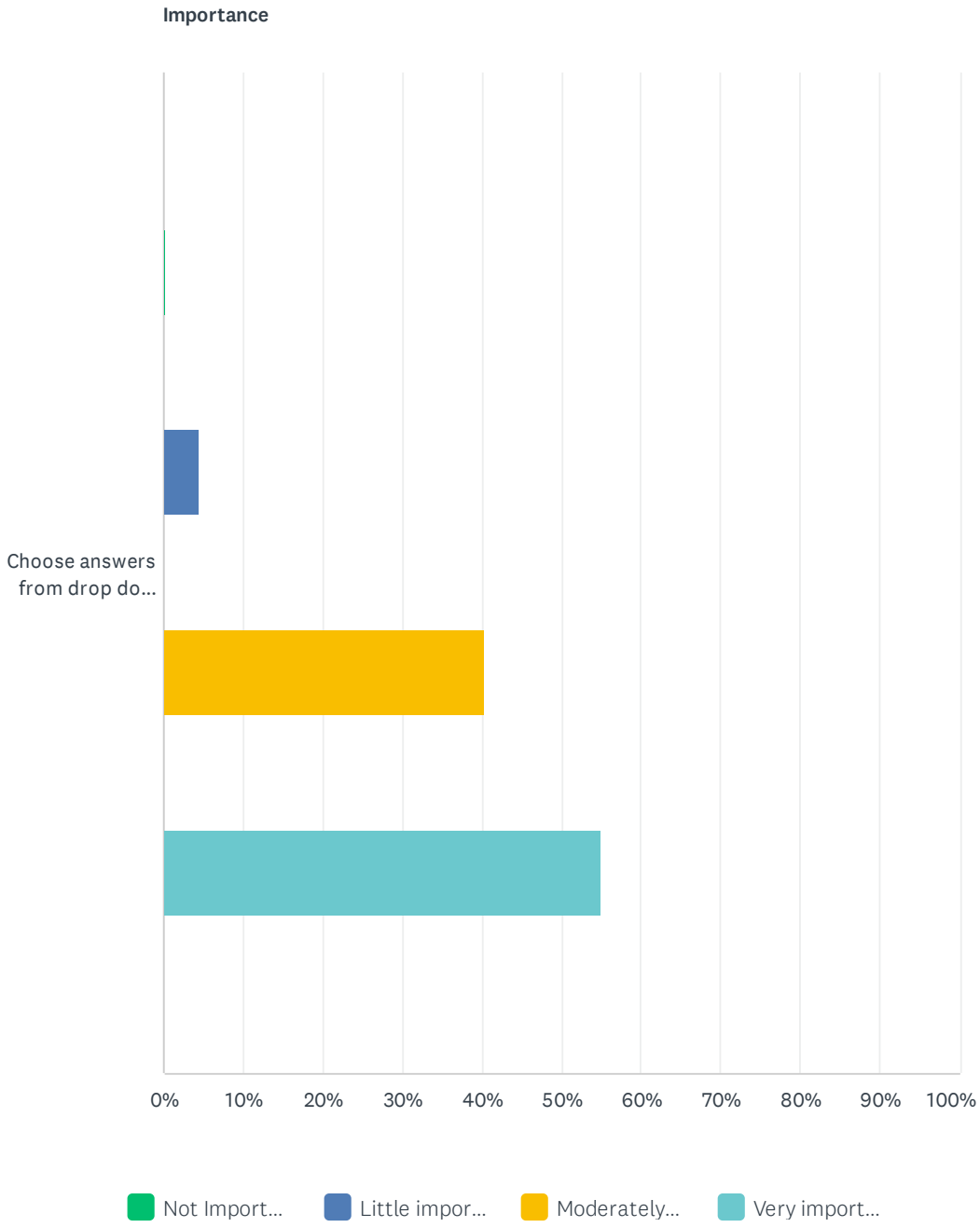
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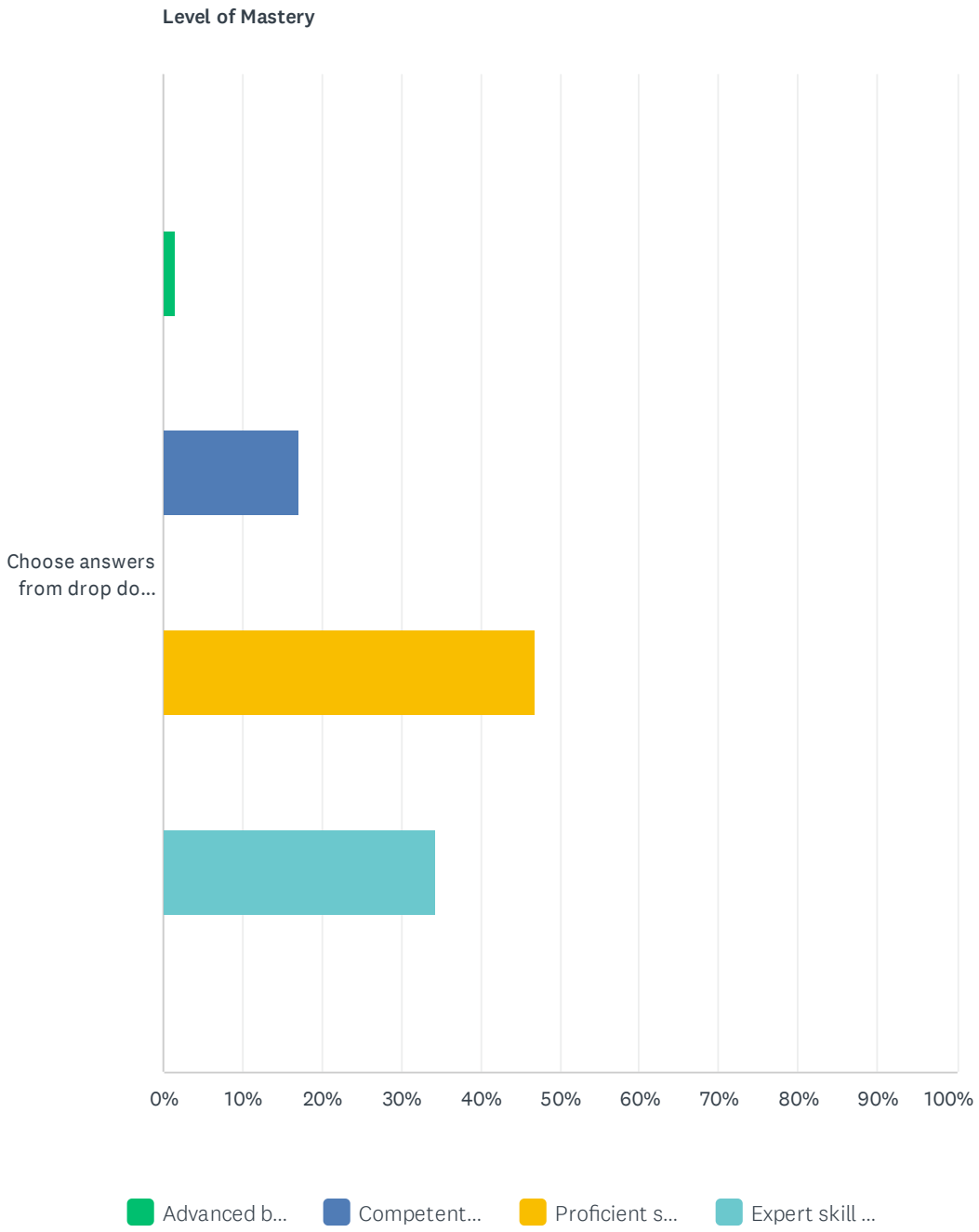


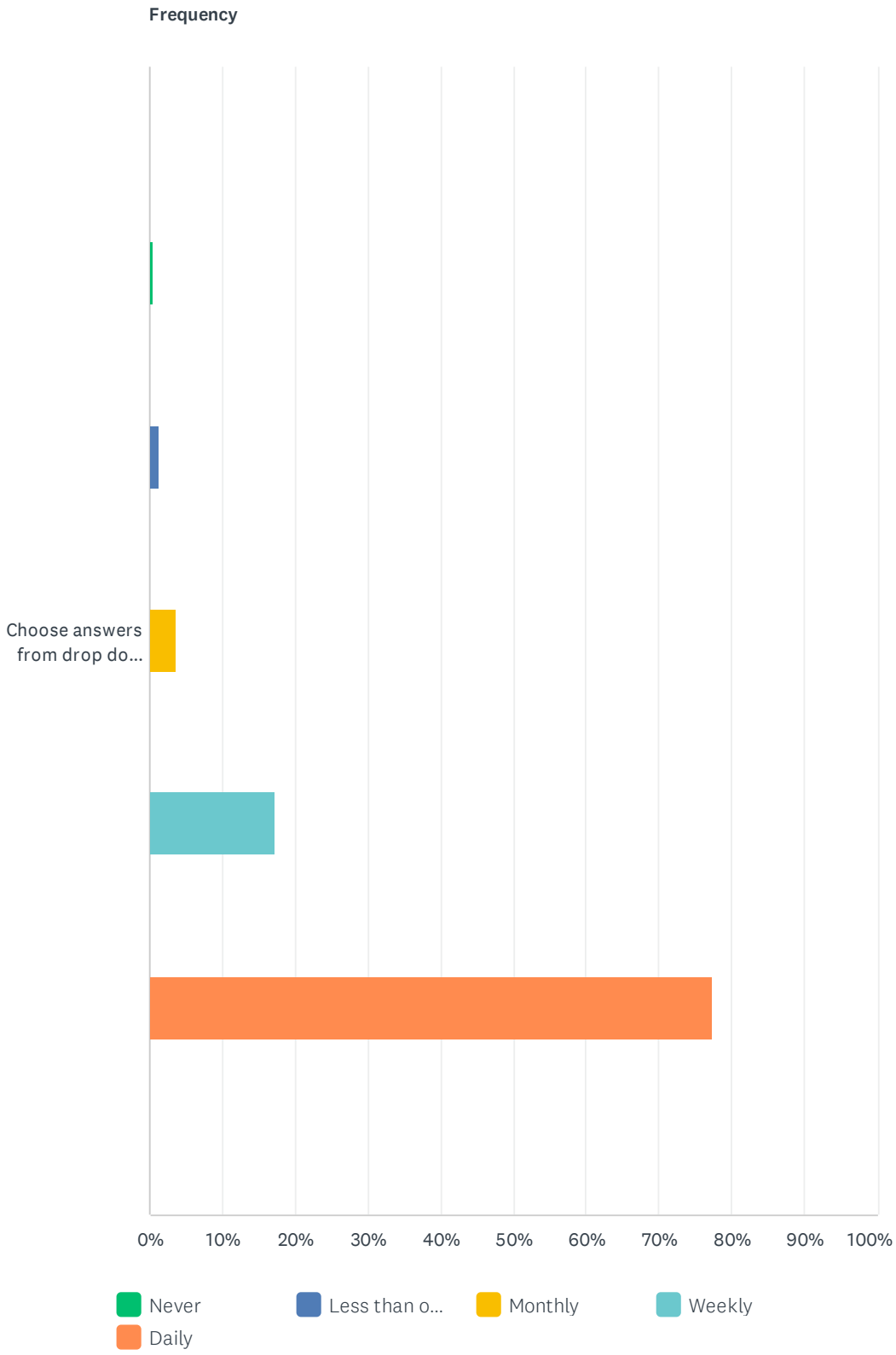

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.98%<br>4 | 19.36%<br>79 | 30.39%<br>124 | 31.62%<br>129 | 17.65%<br>72 | 408 |

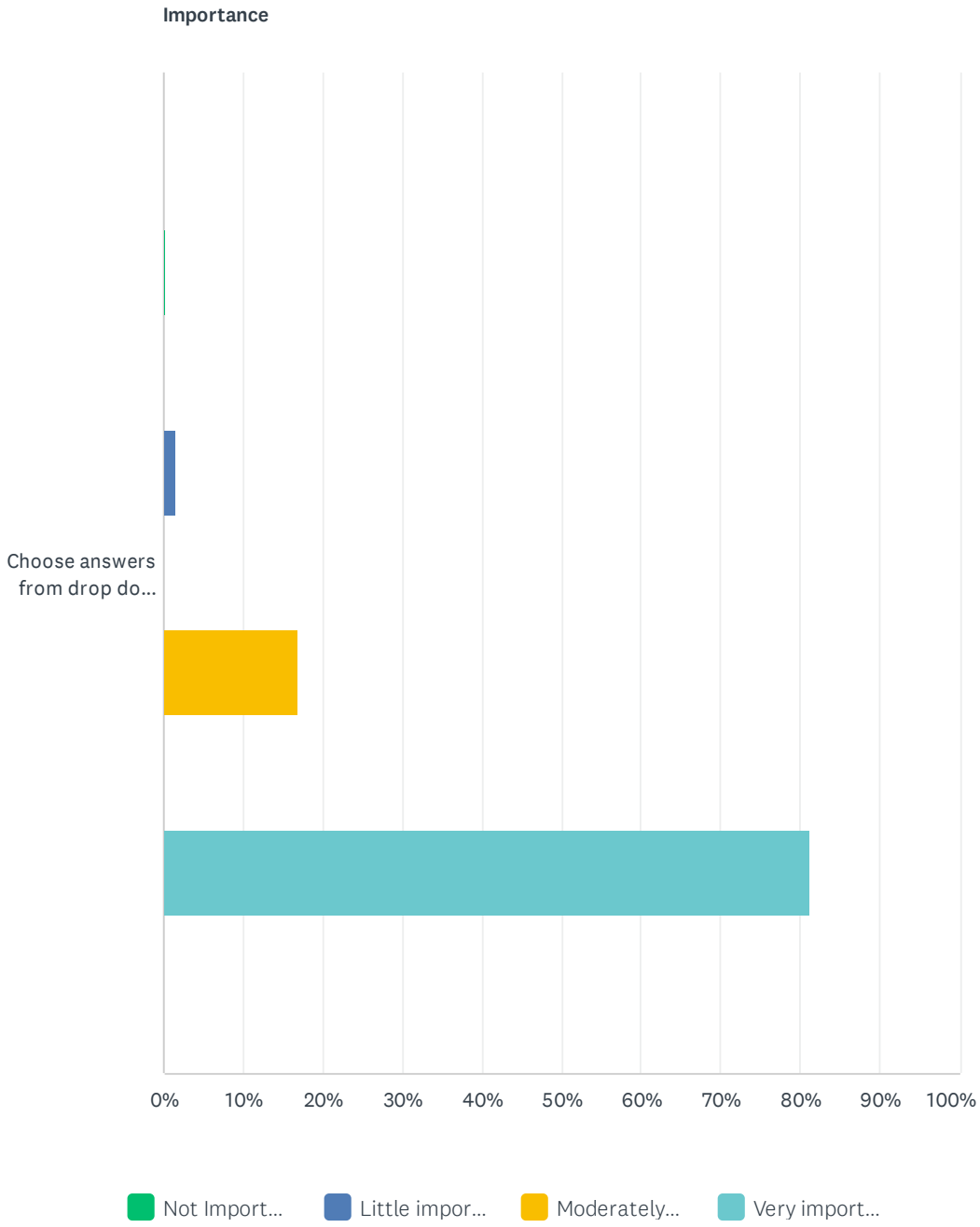
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.25%<br>1 | 4.53%<br>18 | 40.30%<br>160 | 54.91%<br>218 | 397 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 1.56%<br>6 | 17.14%<br>66 | 47.01%<br>181 | 34.29%<br>132 | <br>385 |

# Q44 2.1.2 Using patient-centered ethics and values in complex clinical decision making.

Answered: 407 Skipped: 803

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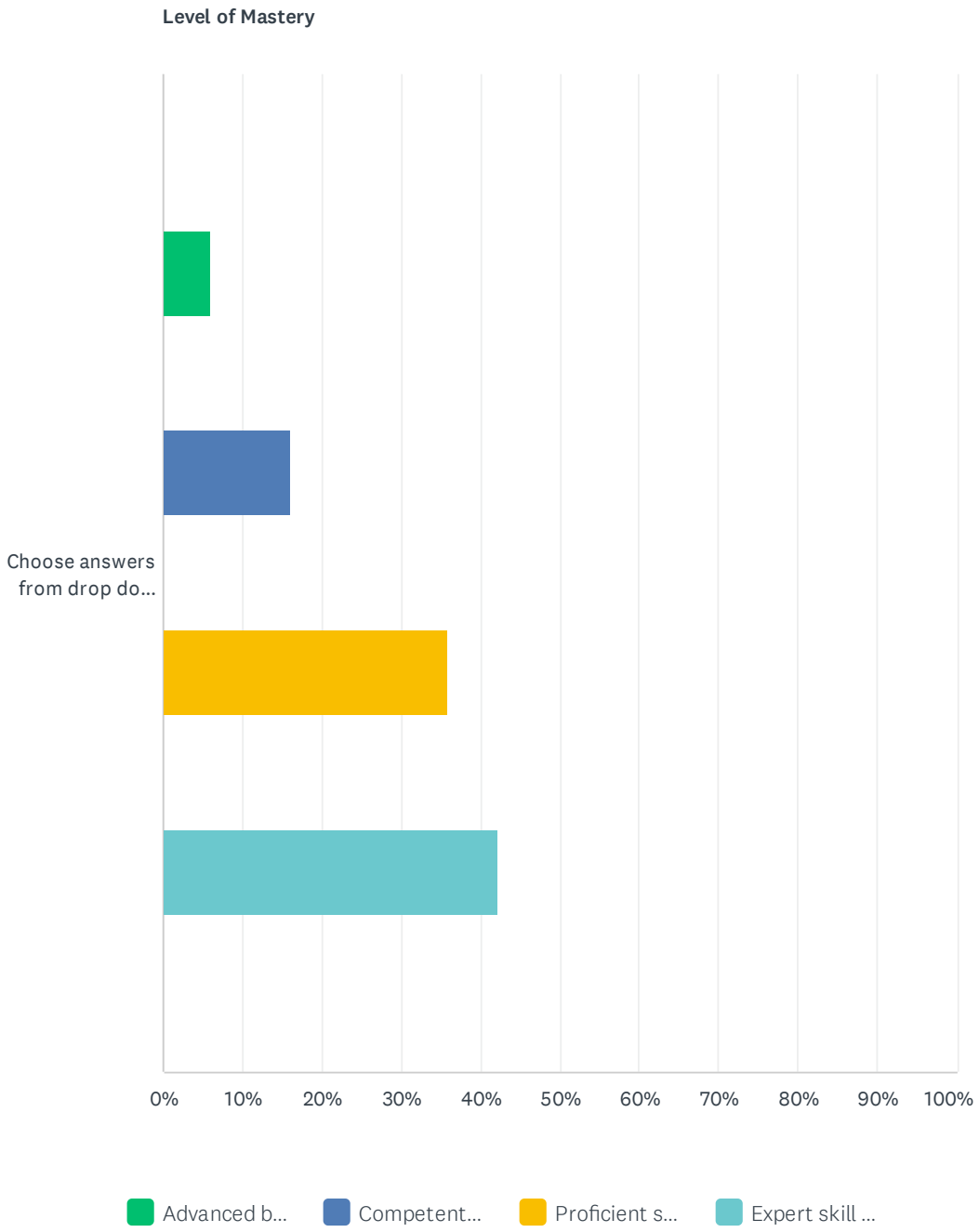


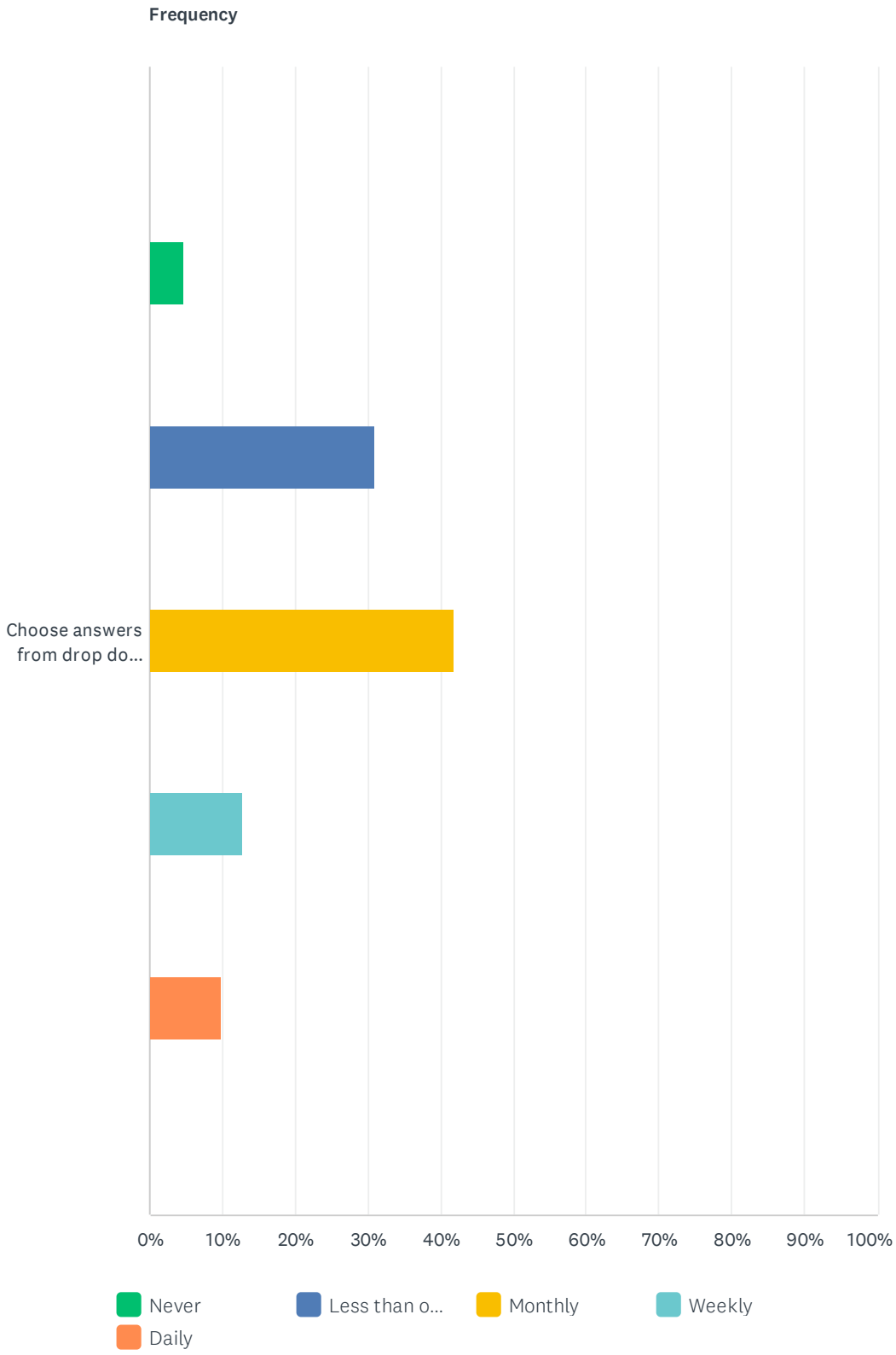

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.49%<br>2 | 1.23%<br>5 | 3.69%<br>15 | 17.20%<br>70 | 77.40%<br>315 | 407 |

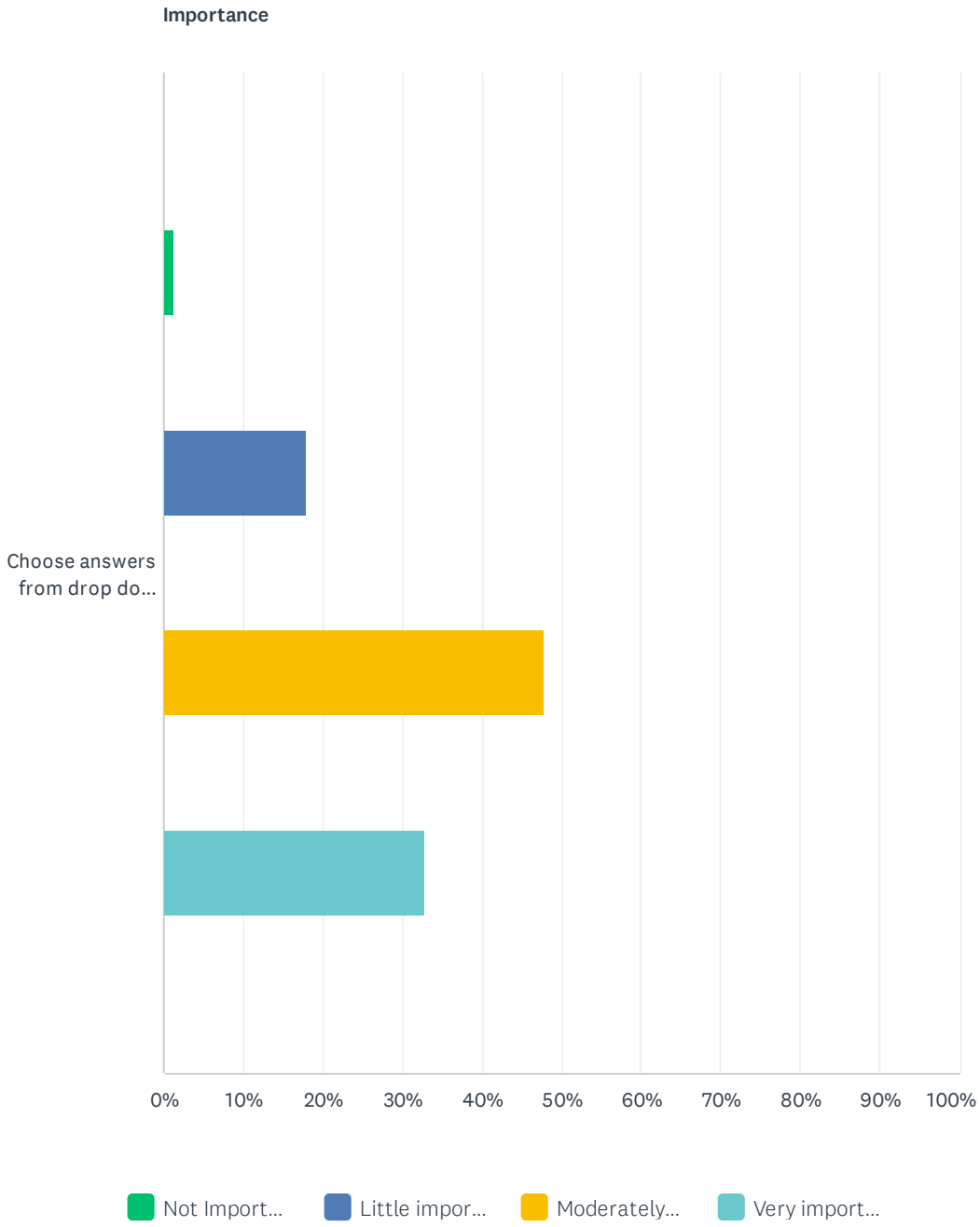
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.25%<br>1 | 1.52%<br>6 | 16.92%<br>67 | 81.31%<br>322 | 396 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 6.02%<br>23 | 15.97%<br>61 | 35.86%<br>137 | 42.15%<br>161 | 382 |

# Q45 2.1.3 Maintaining active participation in professional organizations that address issues related to orthopaedic spine care.

Answered: 405 Skipped: 805

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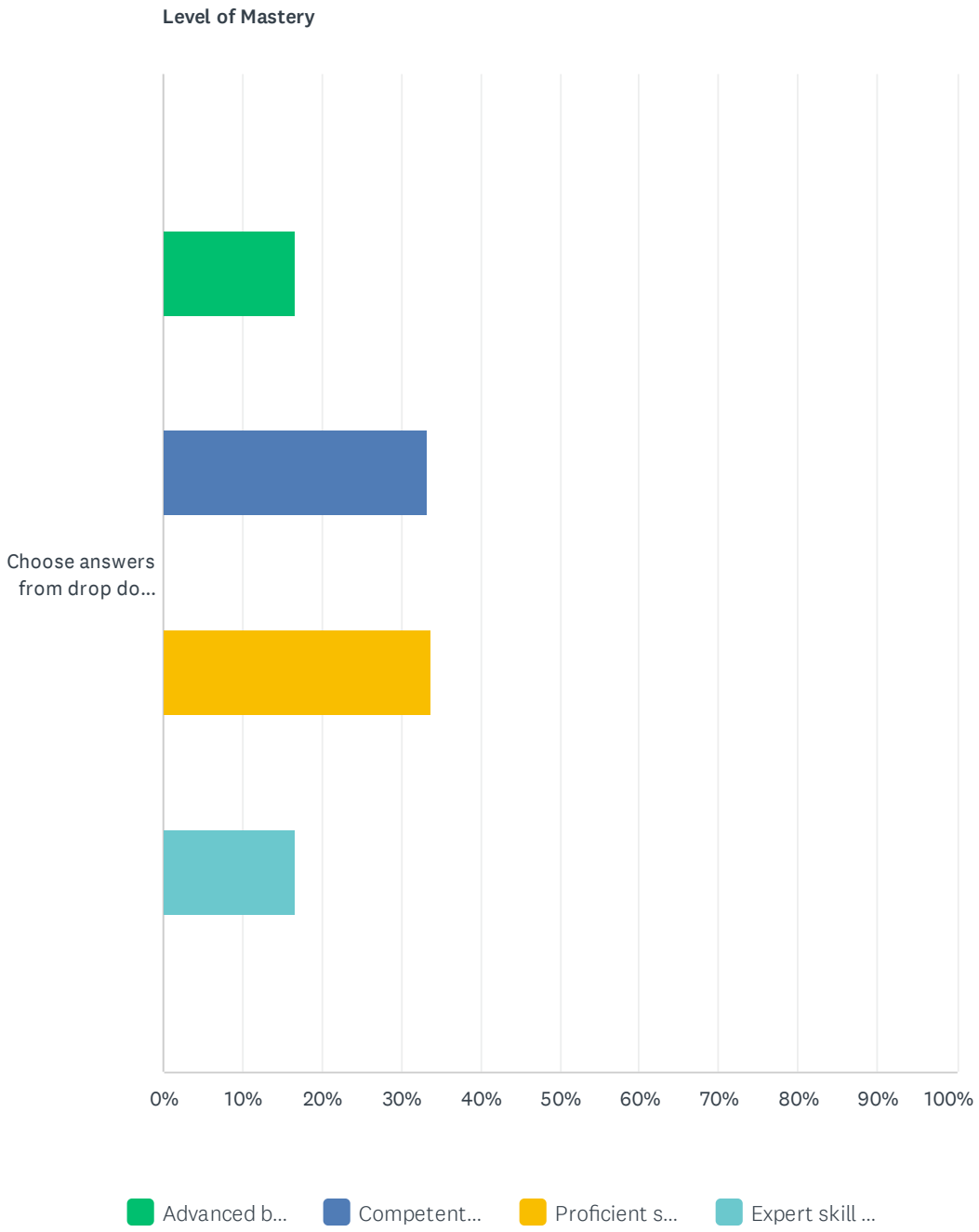


| Frequency | | | | | | |
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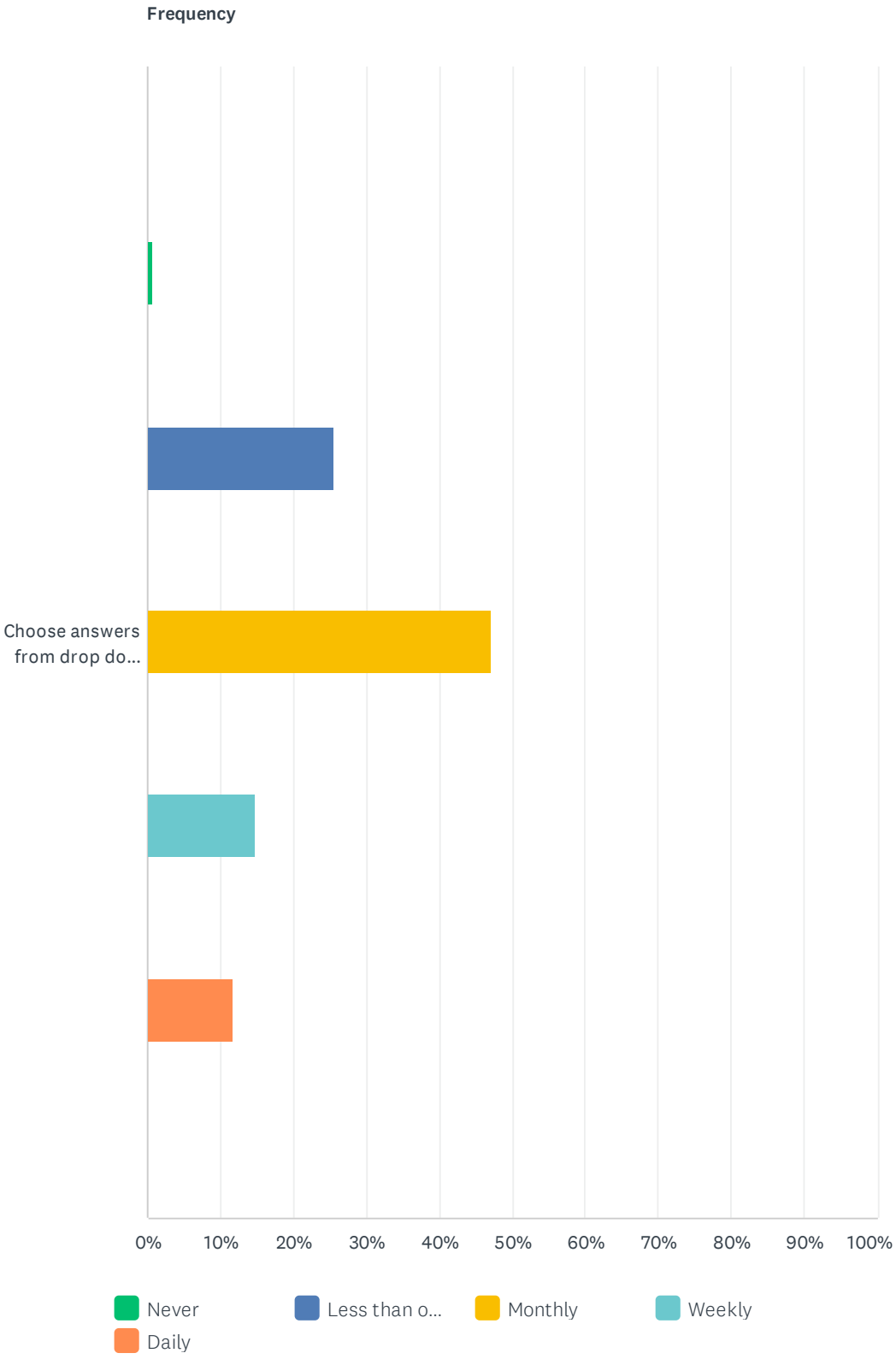
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 4.69%<br>19 | 30.86%<br>125 | 41.73%<br>169 | 12.84%<br>52 | 9.88%<br>40 | 405 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.27%<br>5 | 17.97%<br>71 | 47.85%<br>189 | 32.91%<br>130 | 395 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 16.54%<br>63 | 33.33%<br>127 | 33.60%<br>128 | 16.54%<br>63 | <br>381 |

# Q46 2.1.4 Maintaining state-of-the-art knowledge and skills by seeking own mentors and participating in continuing professional development (e.g., seminars, structured study, journal clubs, etc.).

Answered: 407 Skipped: 803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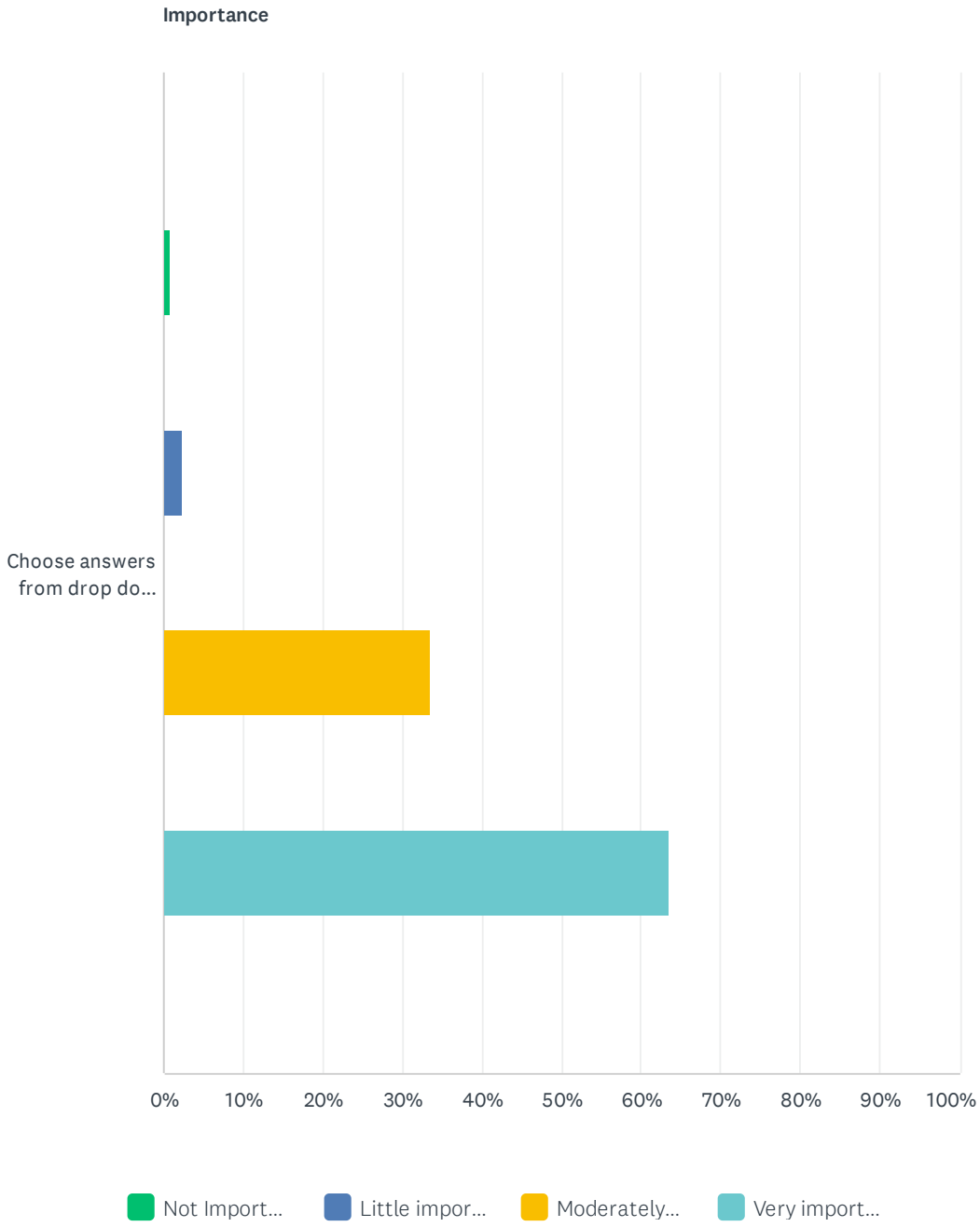
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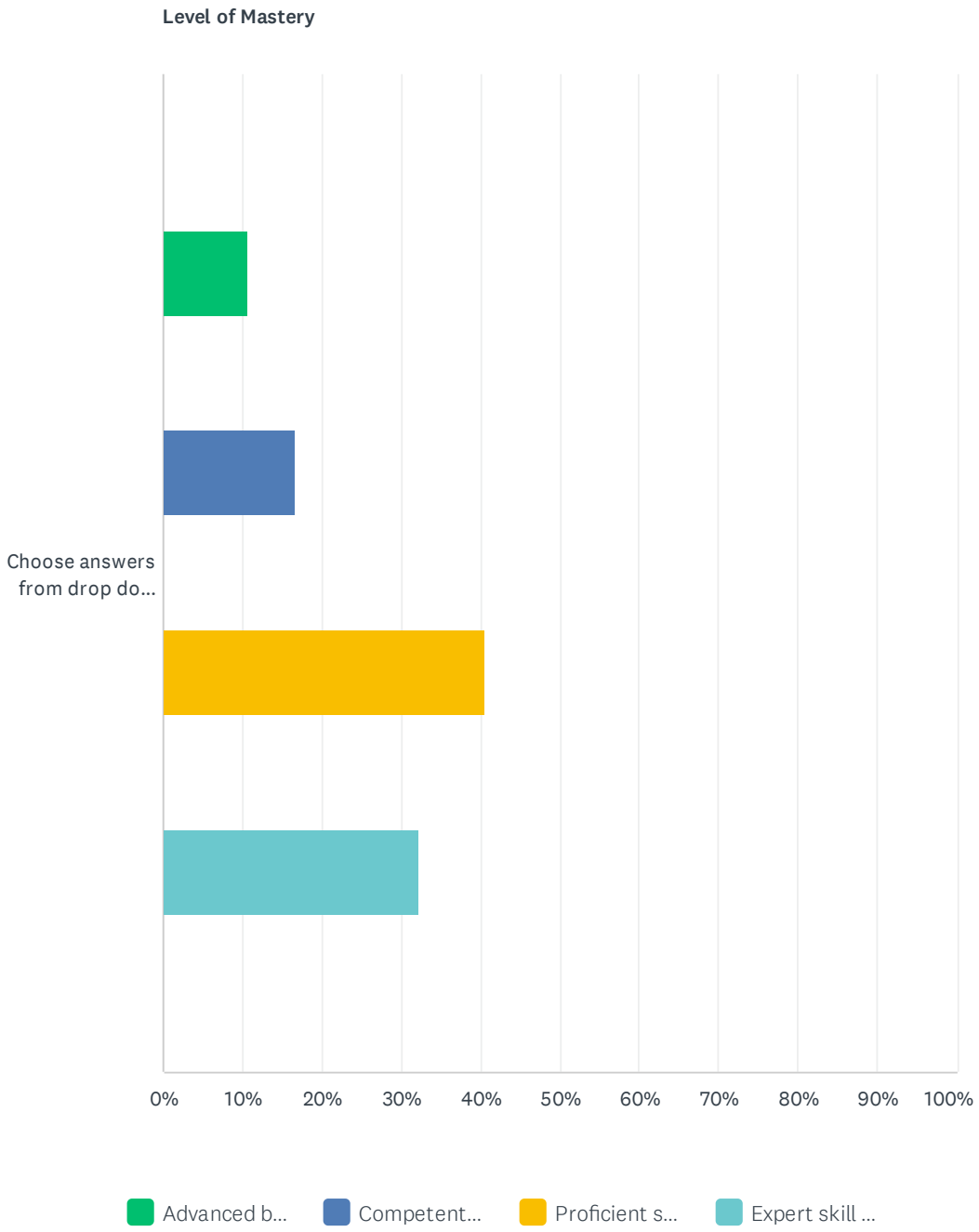


| Frequency | | | | | | |
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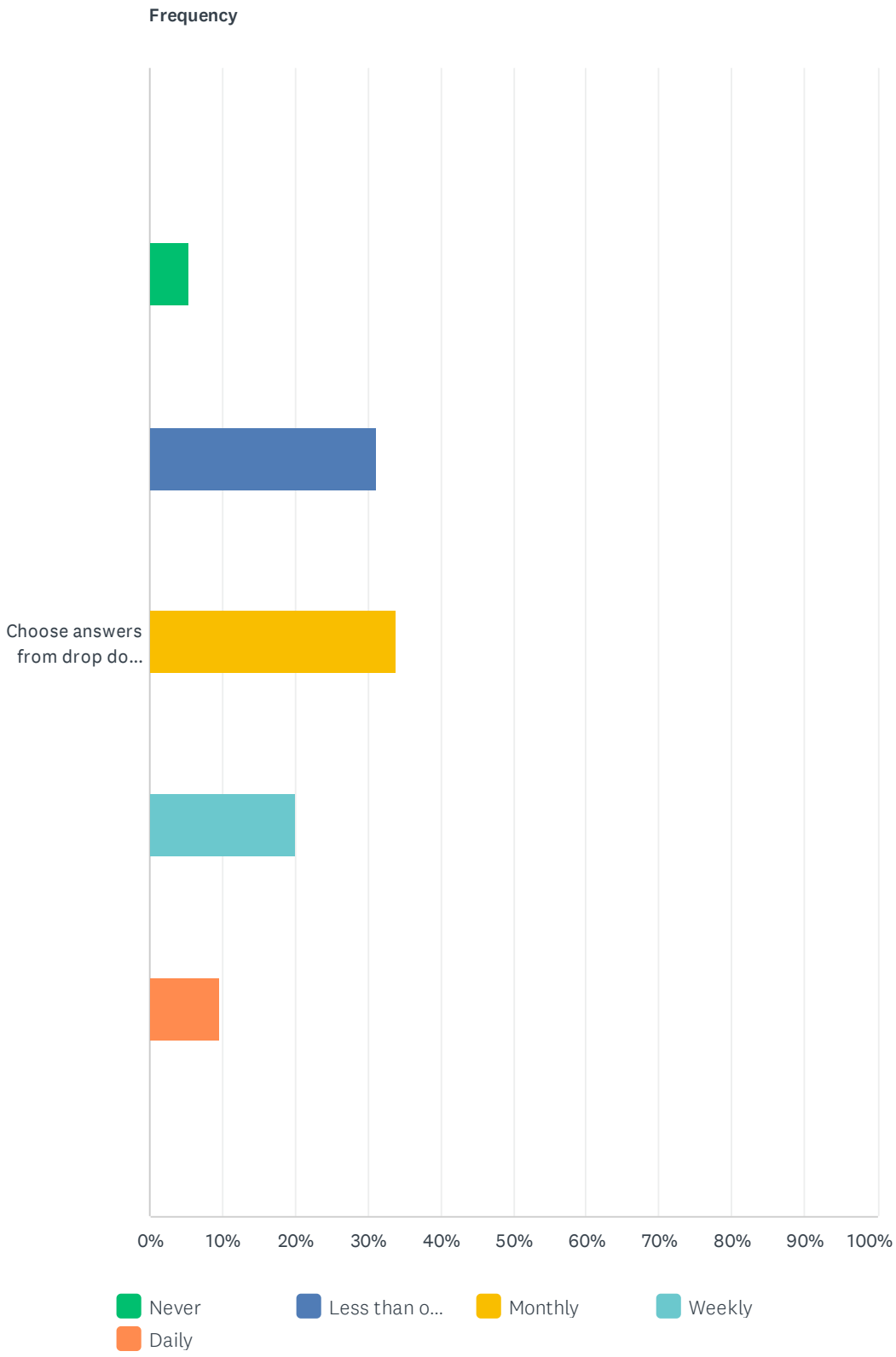
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.74%<br>3 | 25.55%<br>104 | 47.17%<br>192 | 14.74%<br>60 | 11.79%<br>48 | 407 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.76%<br>3 | 2.27%<br>9 | 33.50%<br>133 | 63.48%<br>252 | 397 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 10.70%<br>41 | 16.71%<br>64 | 40.47%<br>155 | 32.11%<br>123 | <br>383 |

# Q47 2.2.1 Representing orthopaedic spine physical therapy and interacting with other professionals and organizations (e.g., inter-professional interaction and mentoring).

Answered: 398 Skipped: 812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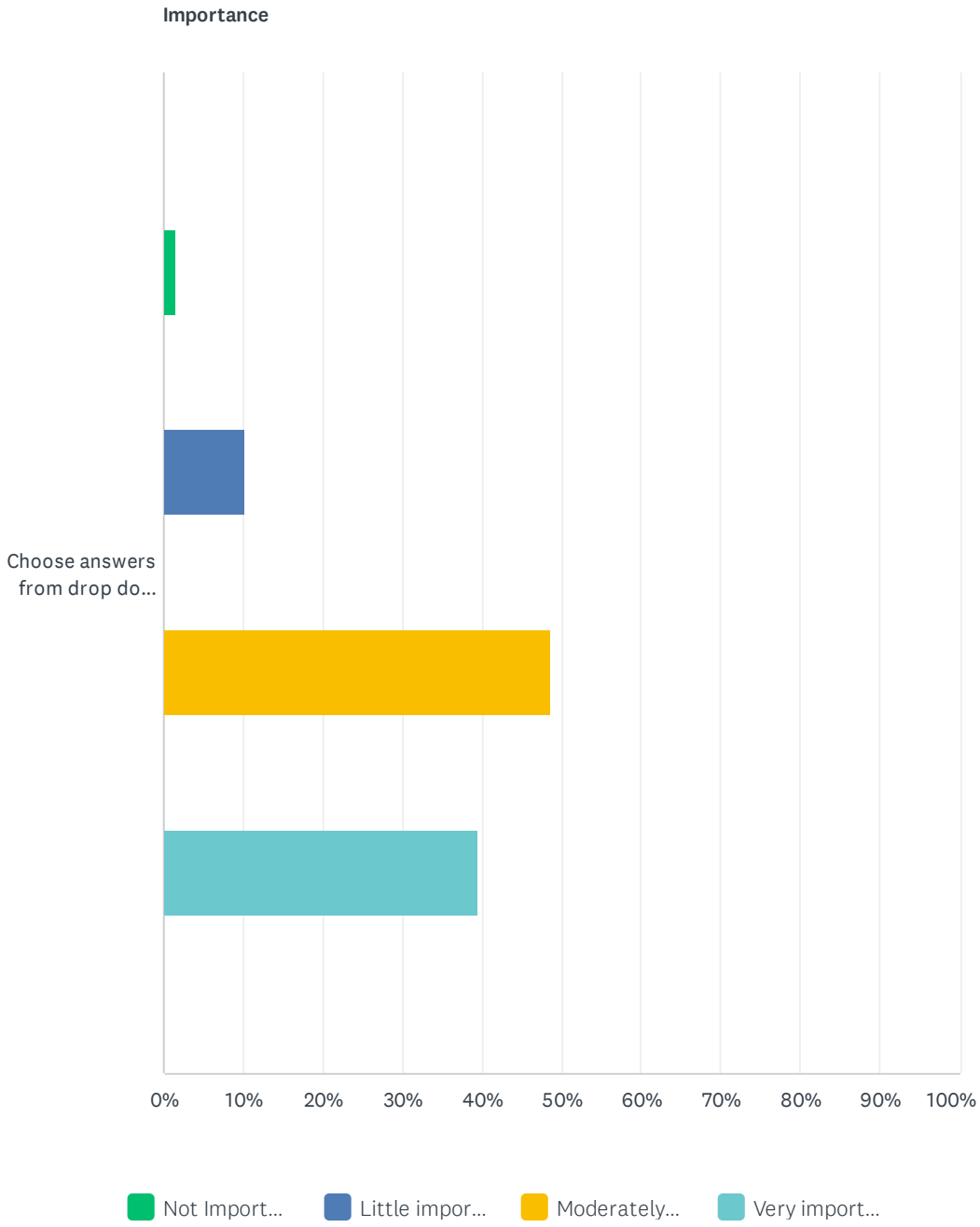
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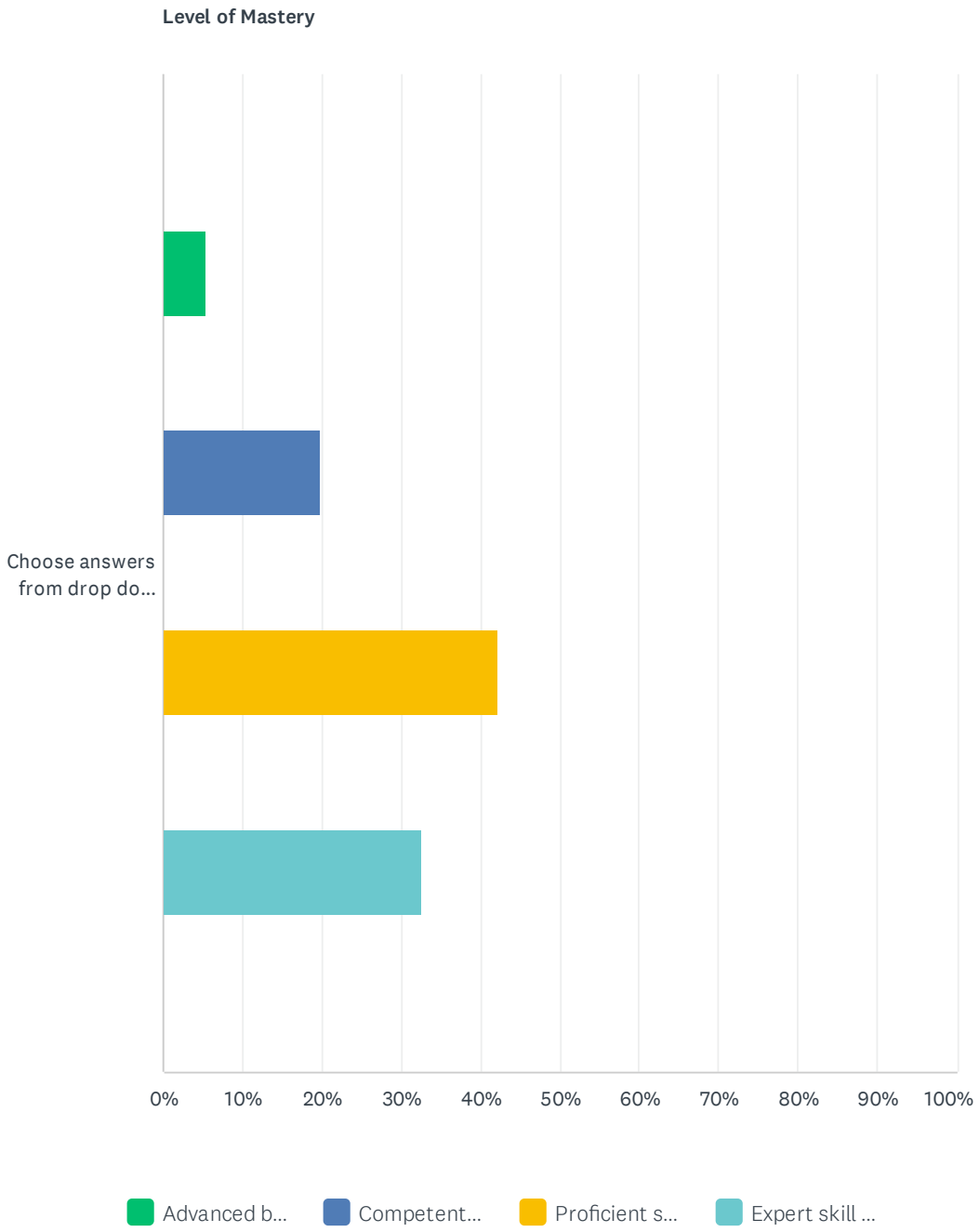


| Frequency | | | | | | |
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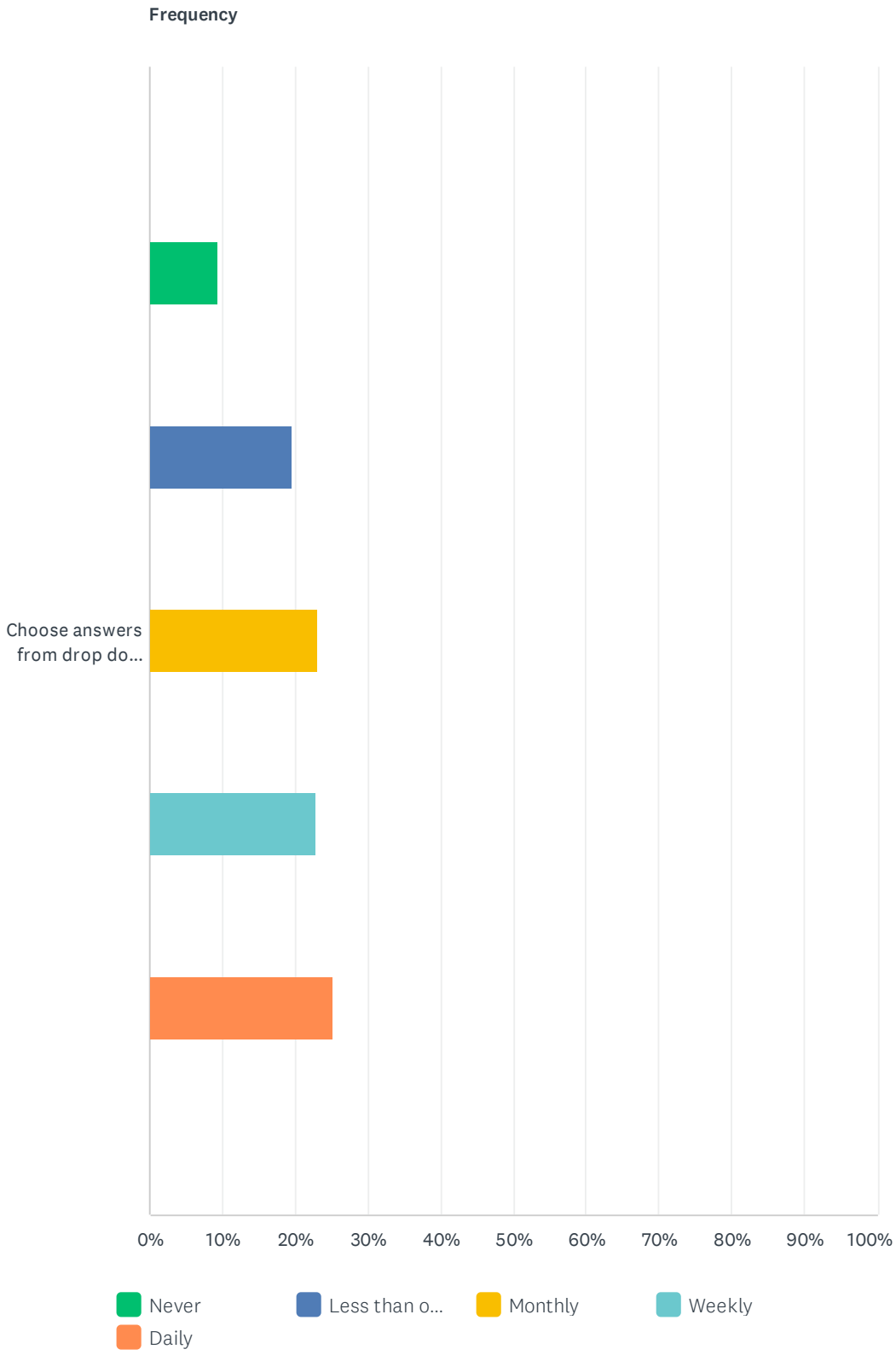
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 5.28%<br>21 | 31.16%<br>124 | 33.92%<br>135 | 20.10%<br>80 | 9.55%<br>38 | 398 |

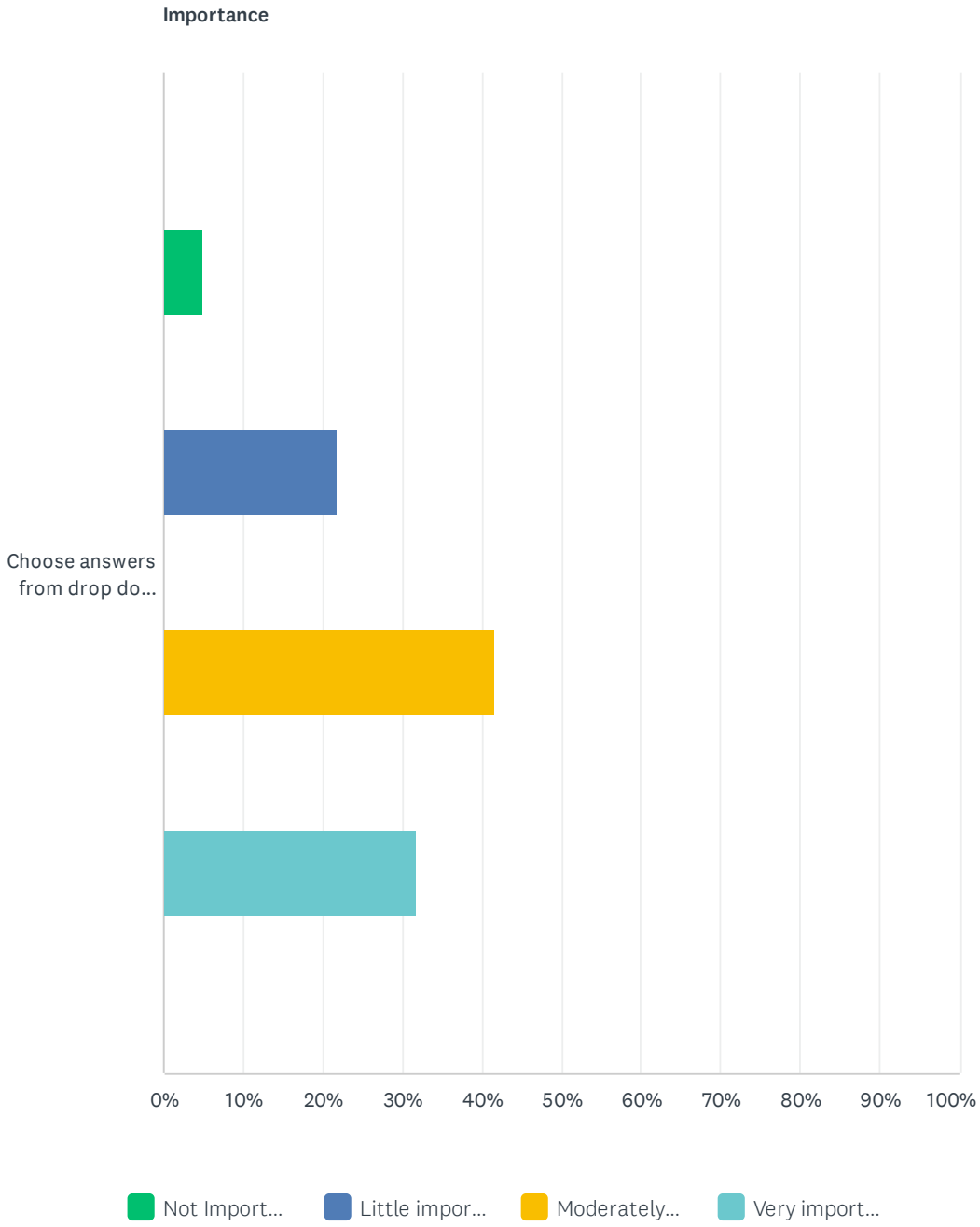
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.55%<br>6 | 10.34%<br>40 | 48.58%<br>188 | 39.53%<br>153 | 387 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 5.38%<br>20 | 19.89%<br>74 | 42.20%<br>157 | 32.53%<br>121 | <br>372 |

# Q48 2.2.2 Planning, directing, organizing, and managing human, technical, environmental, and financial resources effectively and efficiently.

Answered: 396 Skipped: 814

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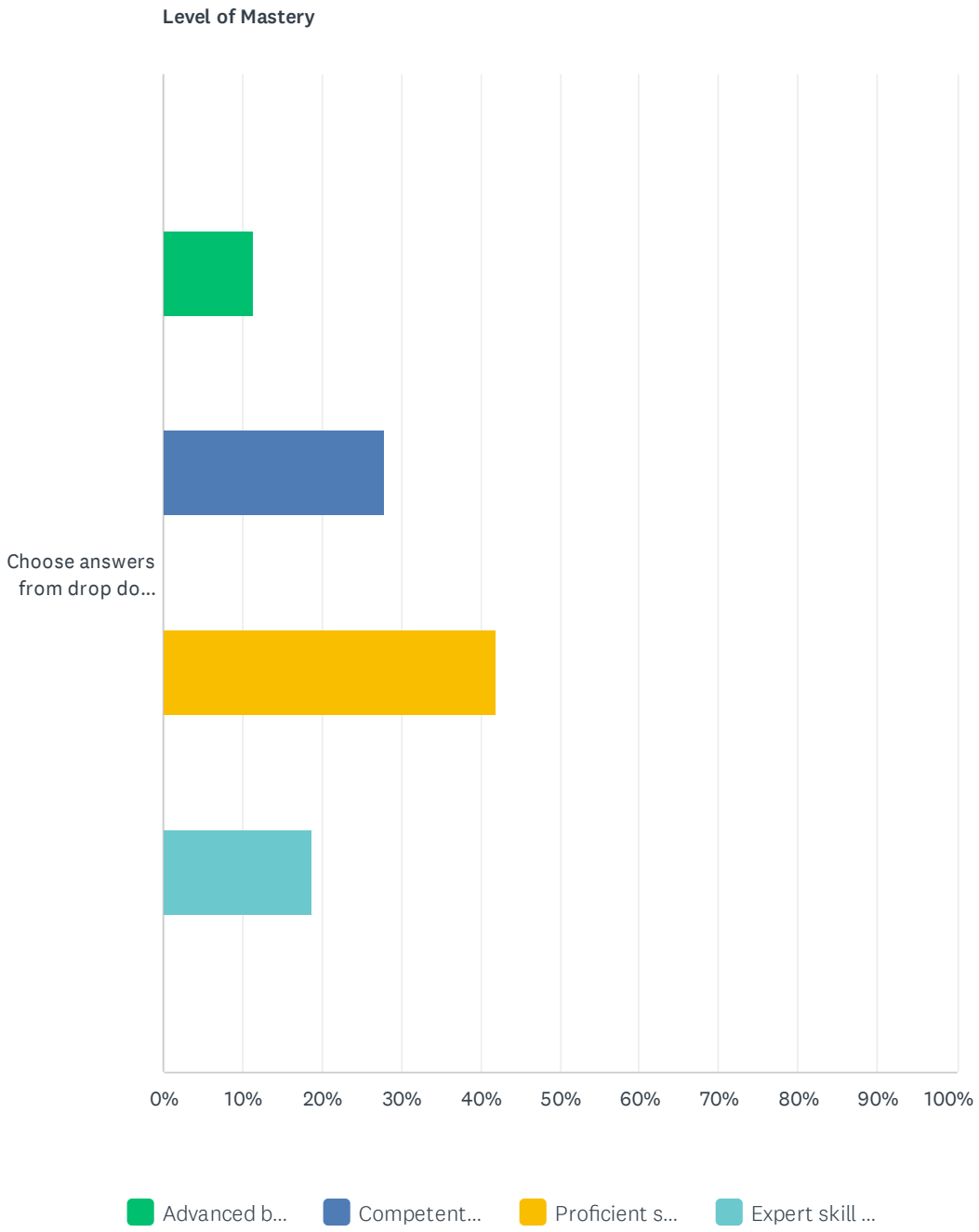


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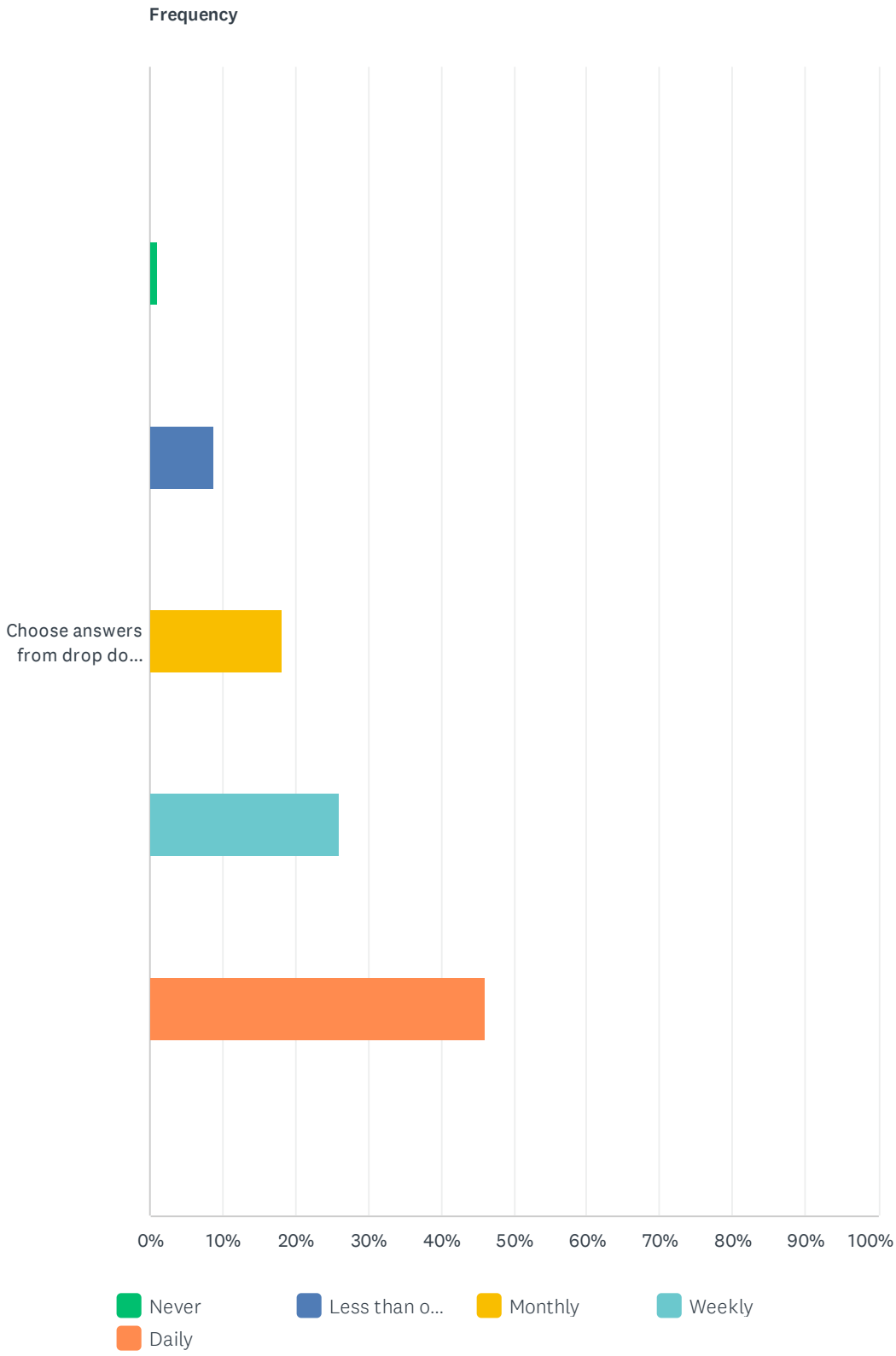
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 9.34%<br>37 | 19.70%<br>78 | 22.98%<br>91 | 22.73%<br>90 | 25.25%<br>100 | 396 |

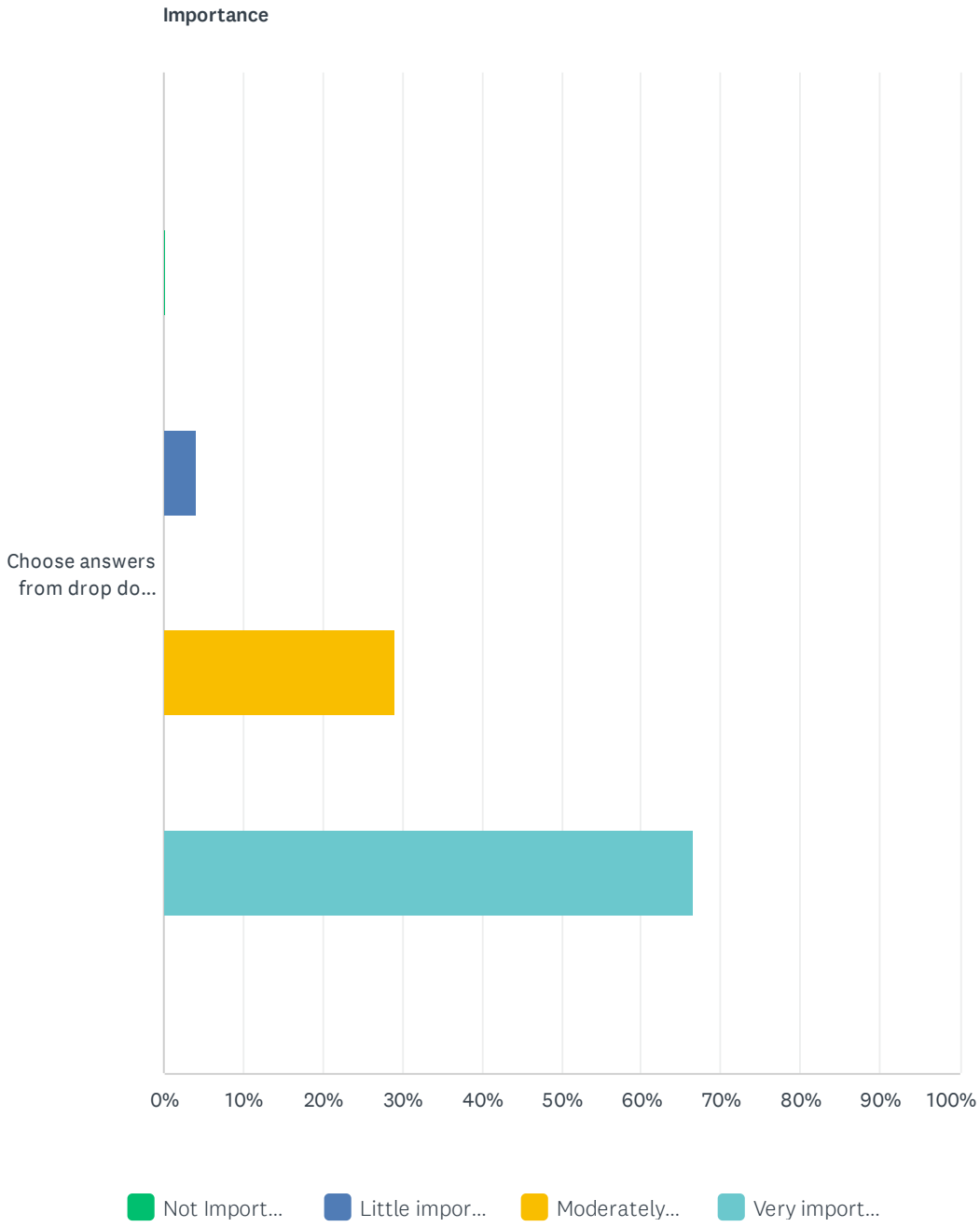
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 4.96%<br>19 | 21.67%<br>83 | 41.51%<br>159 | 31.85%<br>122 | 383 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 11.38%<br>42 | 27.91%<br>103 | 42.01%<br>155 | 18.70%<br>69 | 369 |

# Q49 2.2.3 Modeling and facilitating the translation of evidence into clinical practice as it relates to orthopaedic spine care.

Answered: 397 Skipped: 813

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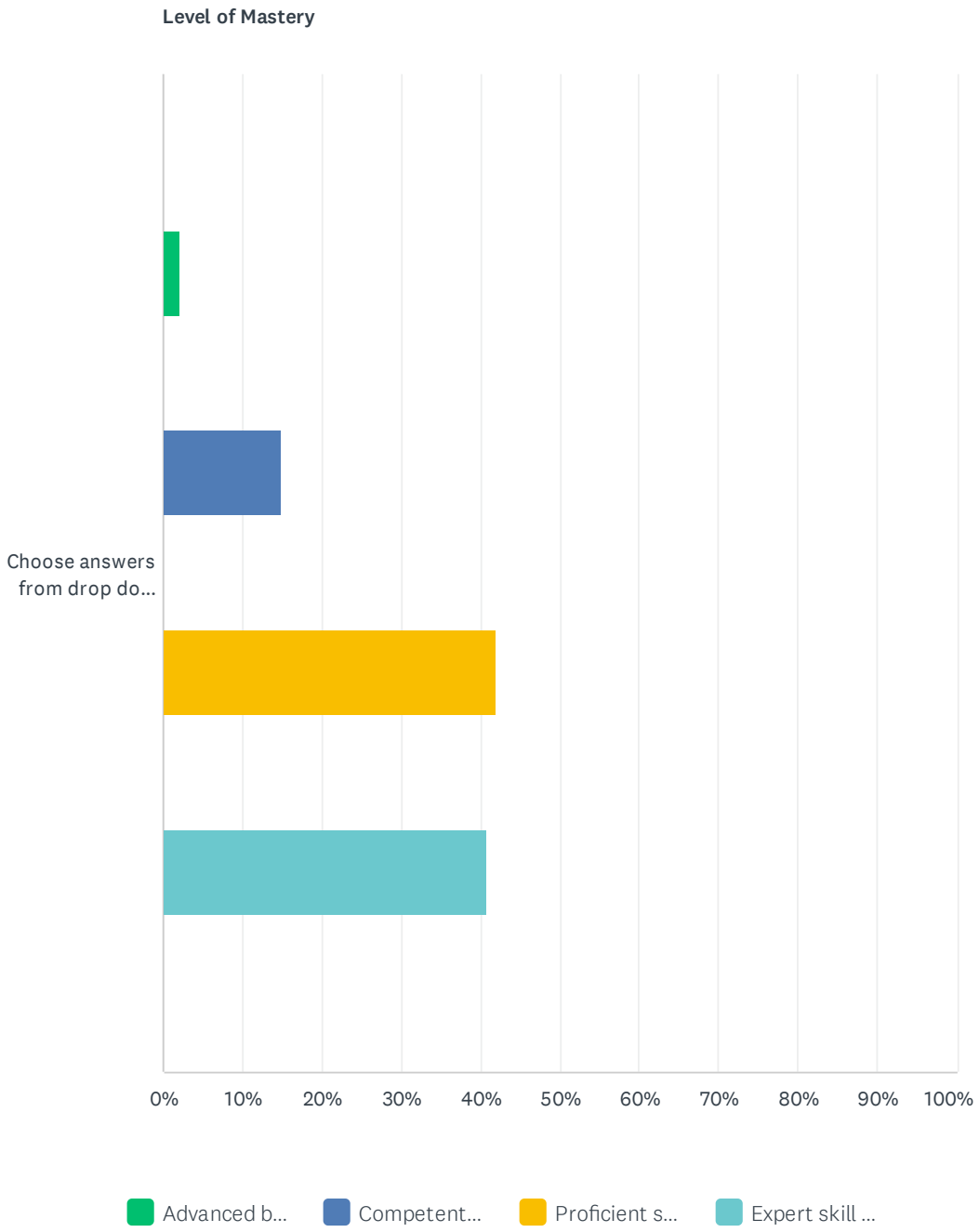


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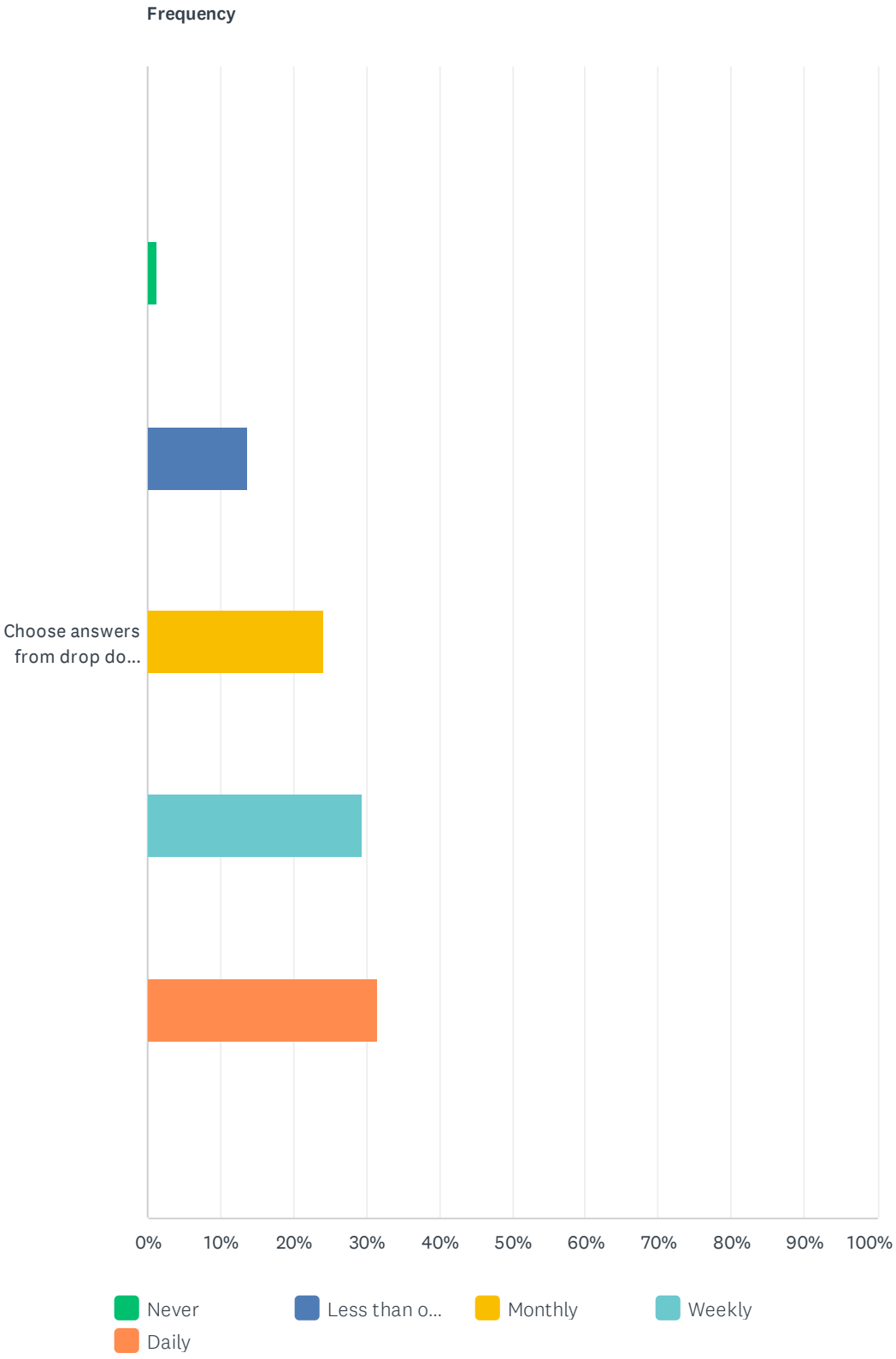
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.01%<br>4 | 8.82%<br>35 | 18.14%<br>72 | 25.94%<br>103 | 46.10%<br>183 | 397 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.26%<br>1 | 4.15%<br>16 | 29.02%<br>112 | 66.58%<br>257 | 386 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 2.14%<br>8 | 15.01%<br>56 | 42.09%<br>157 | 40.75%<br>152 | <br>373 |

# Q50 2.2.4 Acting as an expert resource for peers in the clinic and community for guidance on complex cases and problem solving/clinical reasoning as it relates to orthopaedic spine care.

Answered: 397 Skipped: 813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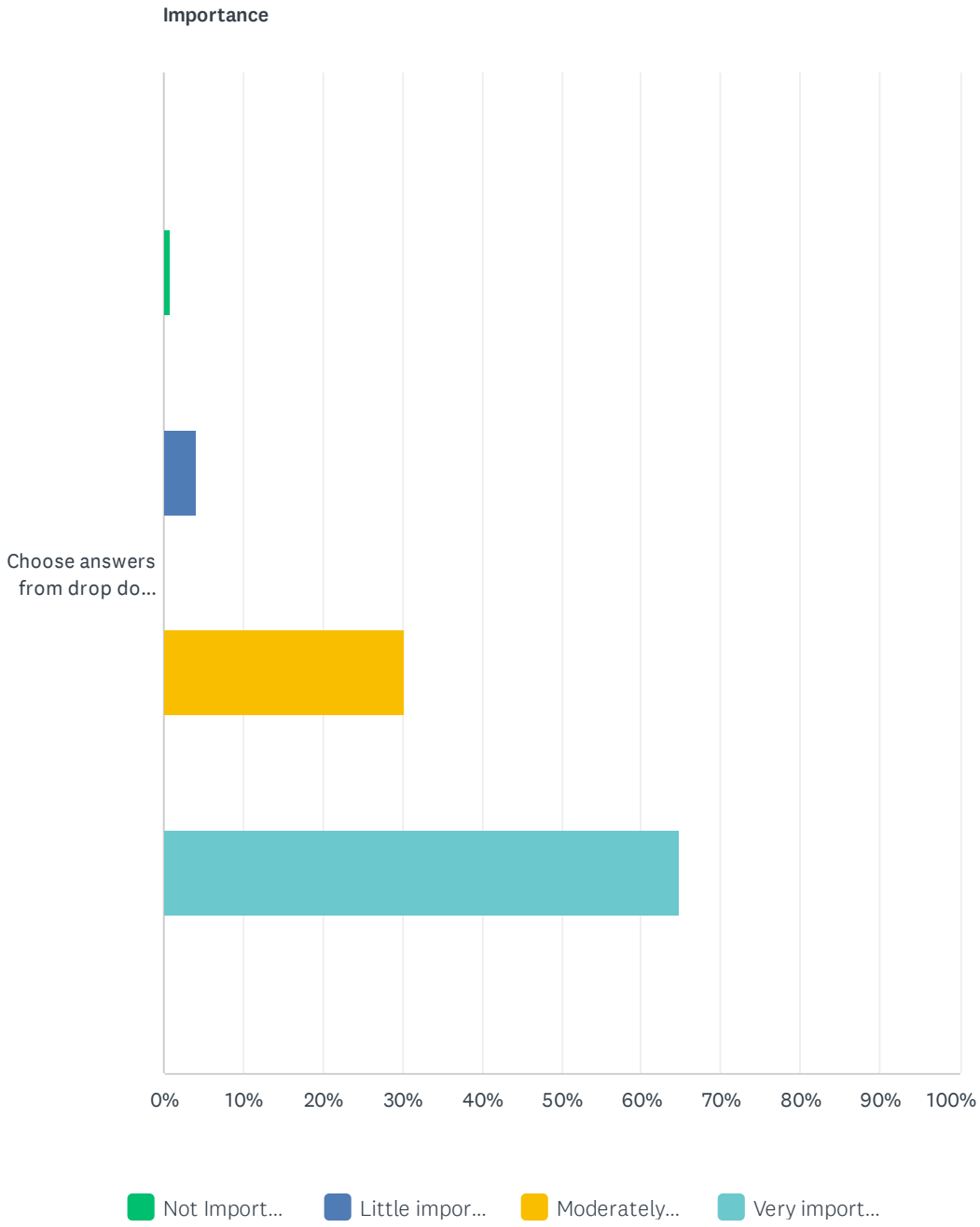
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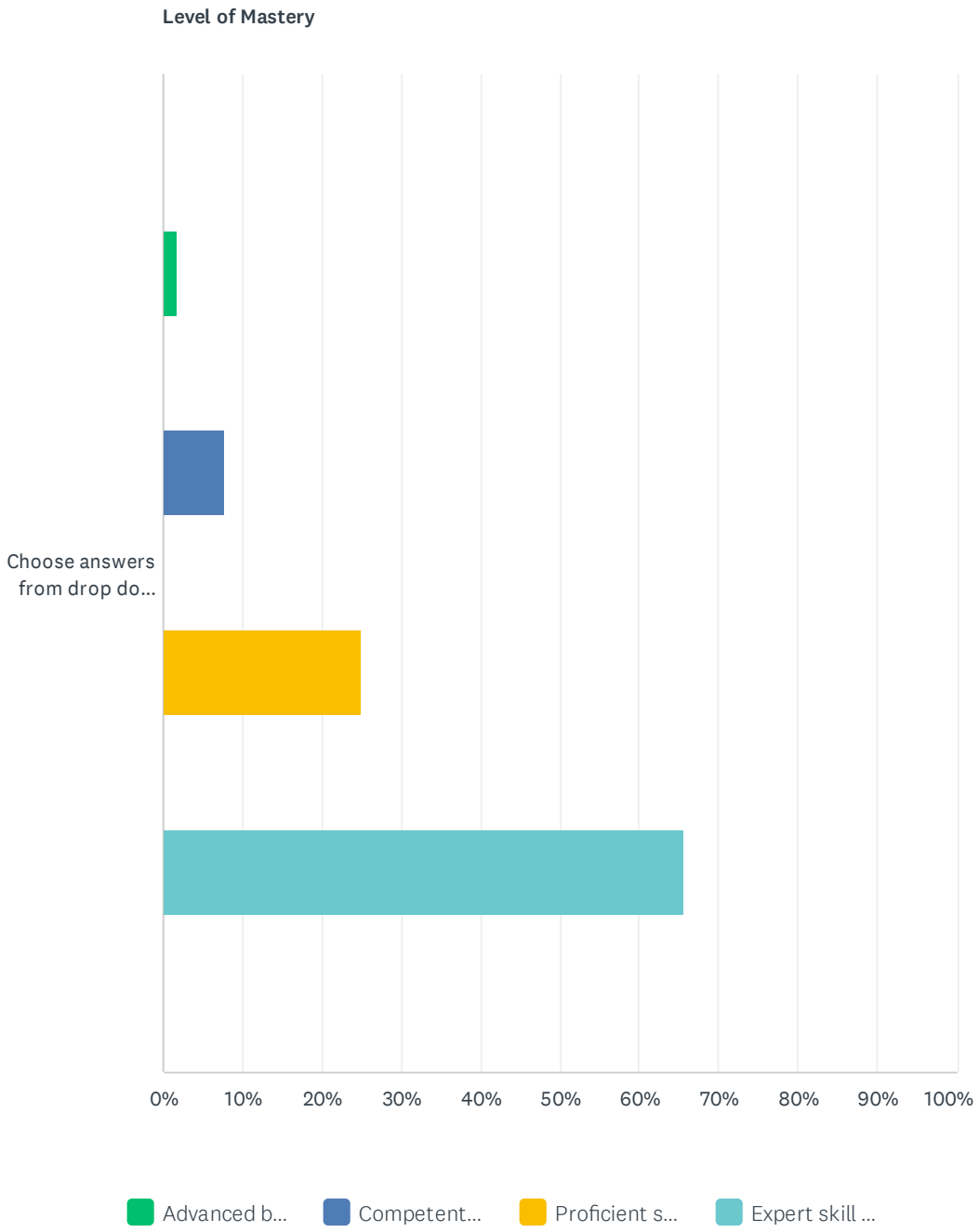


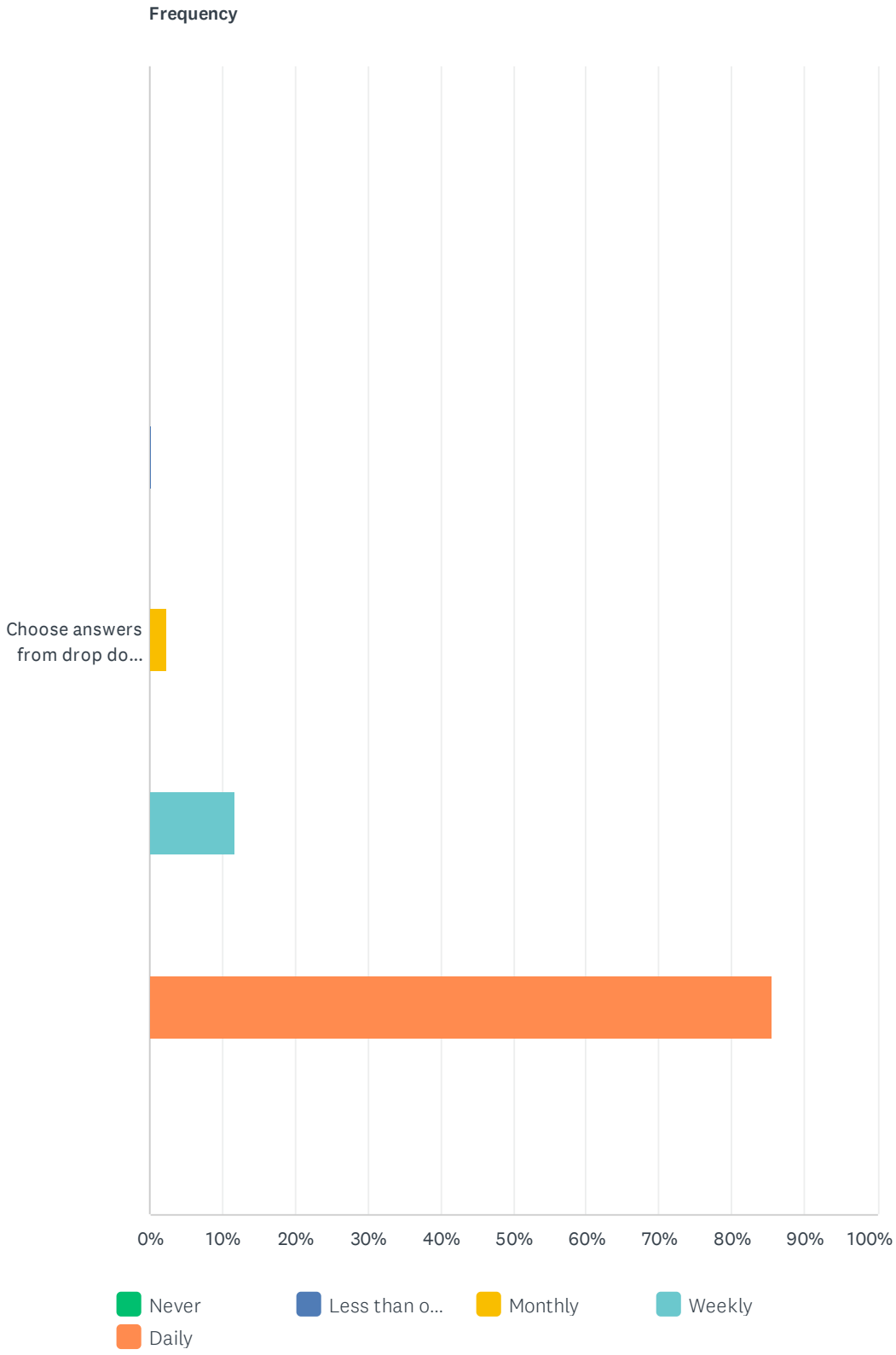

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.26%<br>5 | 13.60%<br>54 | 24.18%<br>96 | 29.47%<br>117 | 31.49%<br>125 | 397 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.78%<br>3 | 4.13%<br>16 | 30.23%<br>117 | 64.86%<br>251 | 387 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 1.61%<br>6 | 7.77%<br>29 | 24.93%<br>93 | 65.68%<br>245 | <br>373 |

# Q51 2.3.1 Empowering patients with orthopaedic spine conditions in the management of their own health (e.g., providing patients confidence to manage future occurrences of spine-related pain).

Answered: 381 Skipped: 829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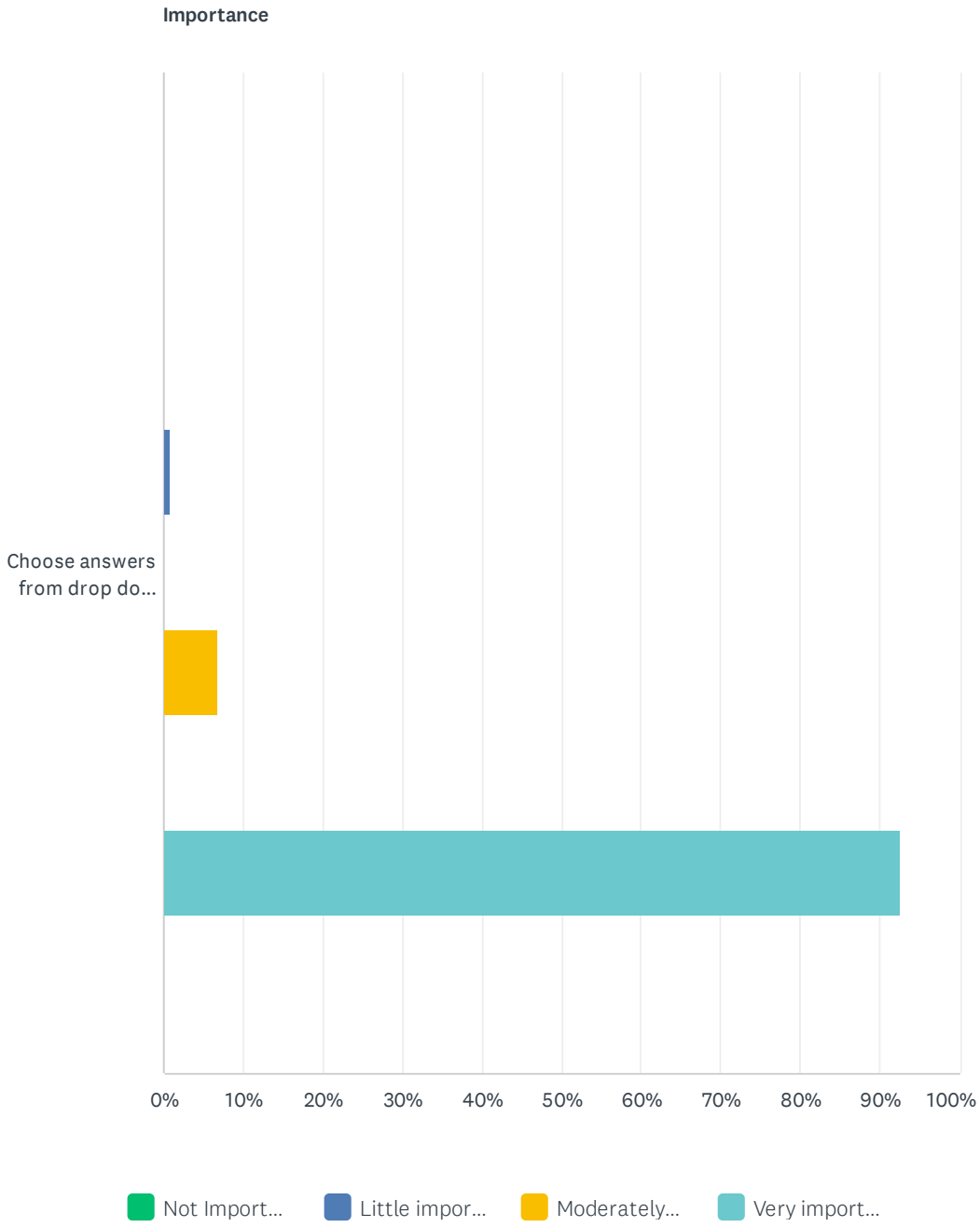
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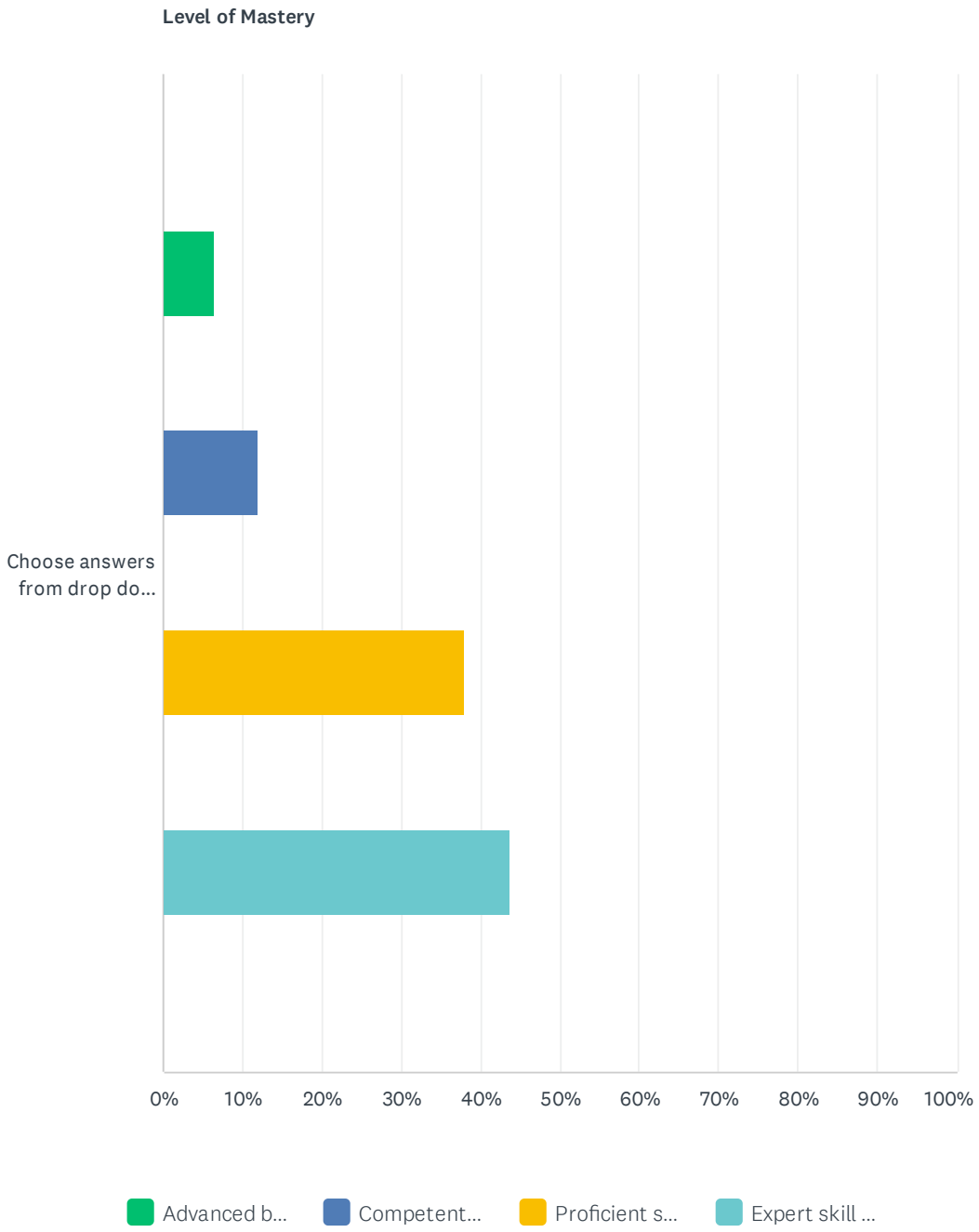


| Frequency | | | | | | |
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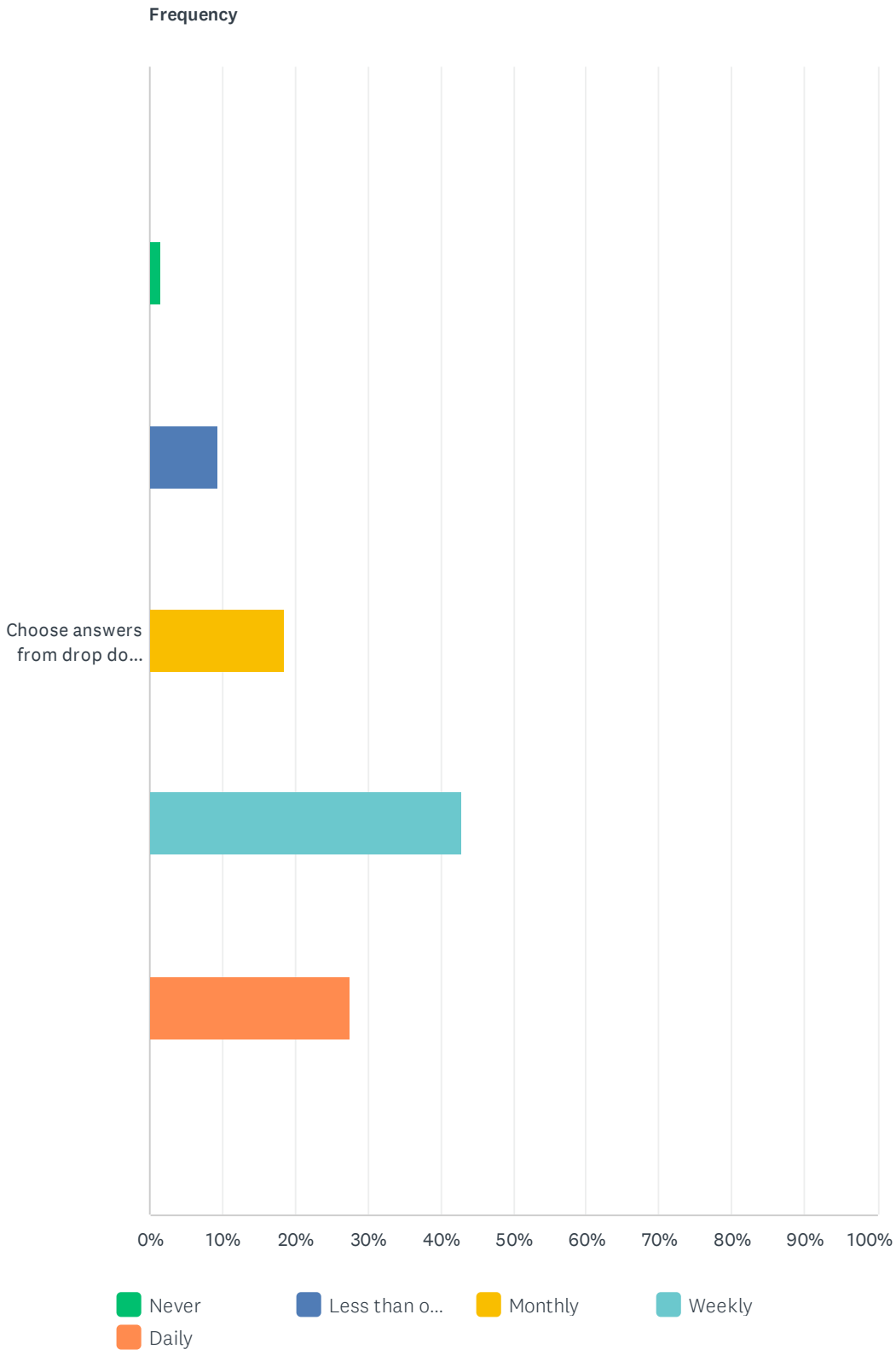
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.26%<br>1 | 2.36%<br>9 | 11.81%<br>45 | 85.56%<br>326 | 381 |

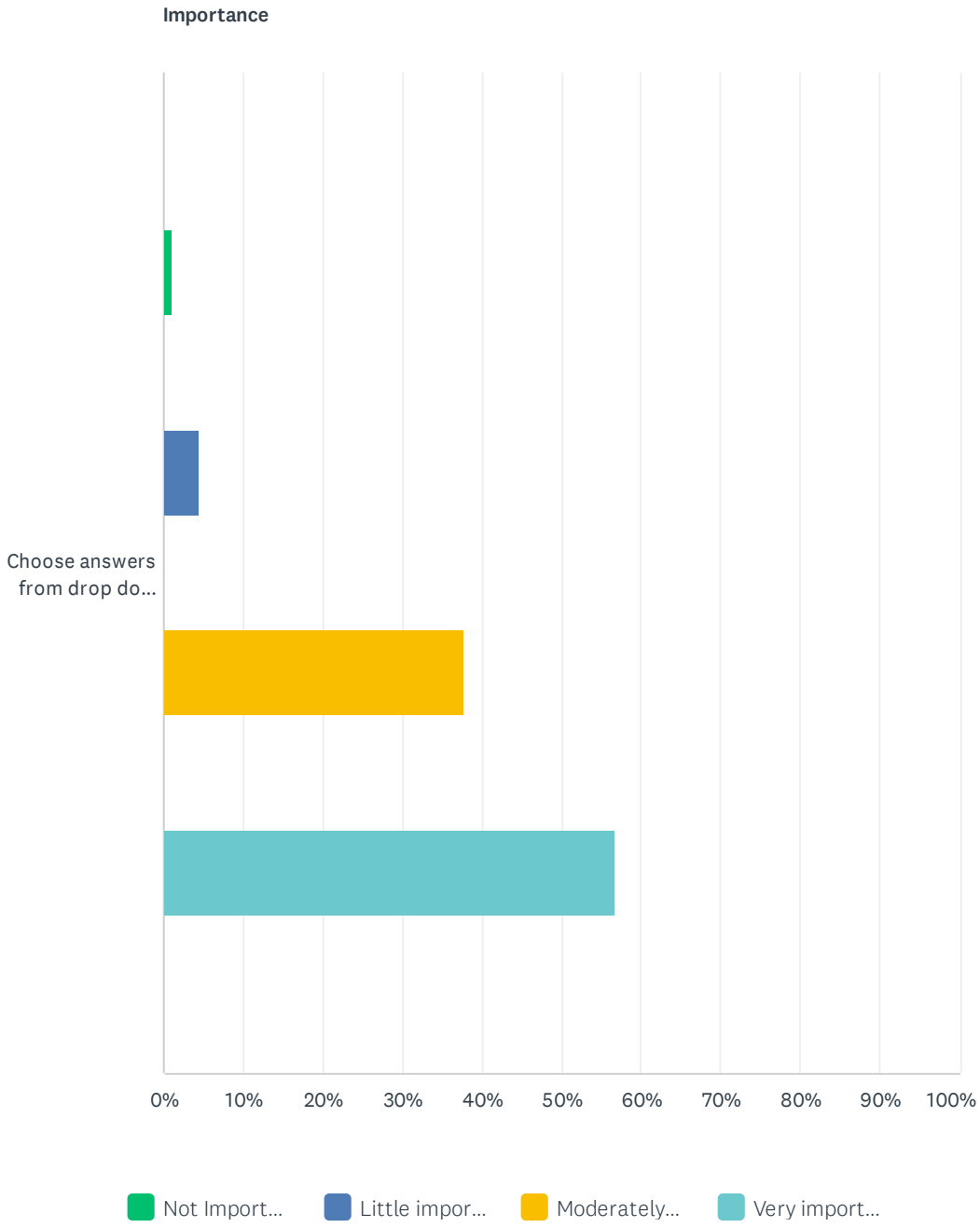
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.81%<br>3 | 6.74%<br>25 | 92.45%<br>343 | 371 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 6.41%<br>23 | 11.98%<br>43 | 37.88%<br>136 | 43.73%<br>157 | <br>359 |

# Q52 2.3.2 Facilitating collaborative and multidisciplinary team management and transition of care for individuals with orthopaedic spine conditions.

Answered: 382 Skipped: 828

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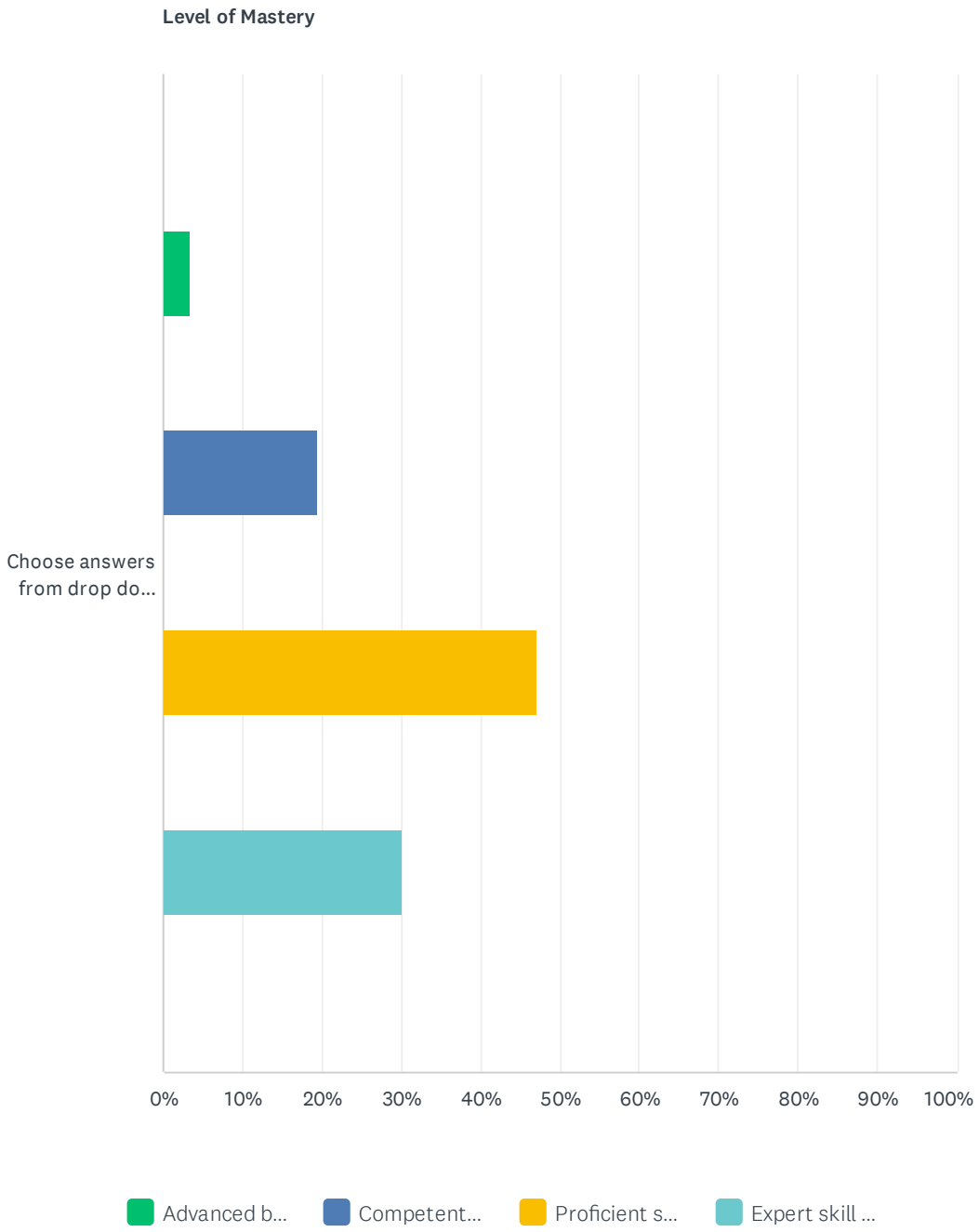


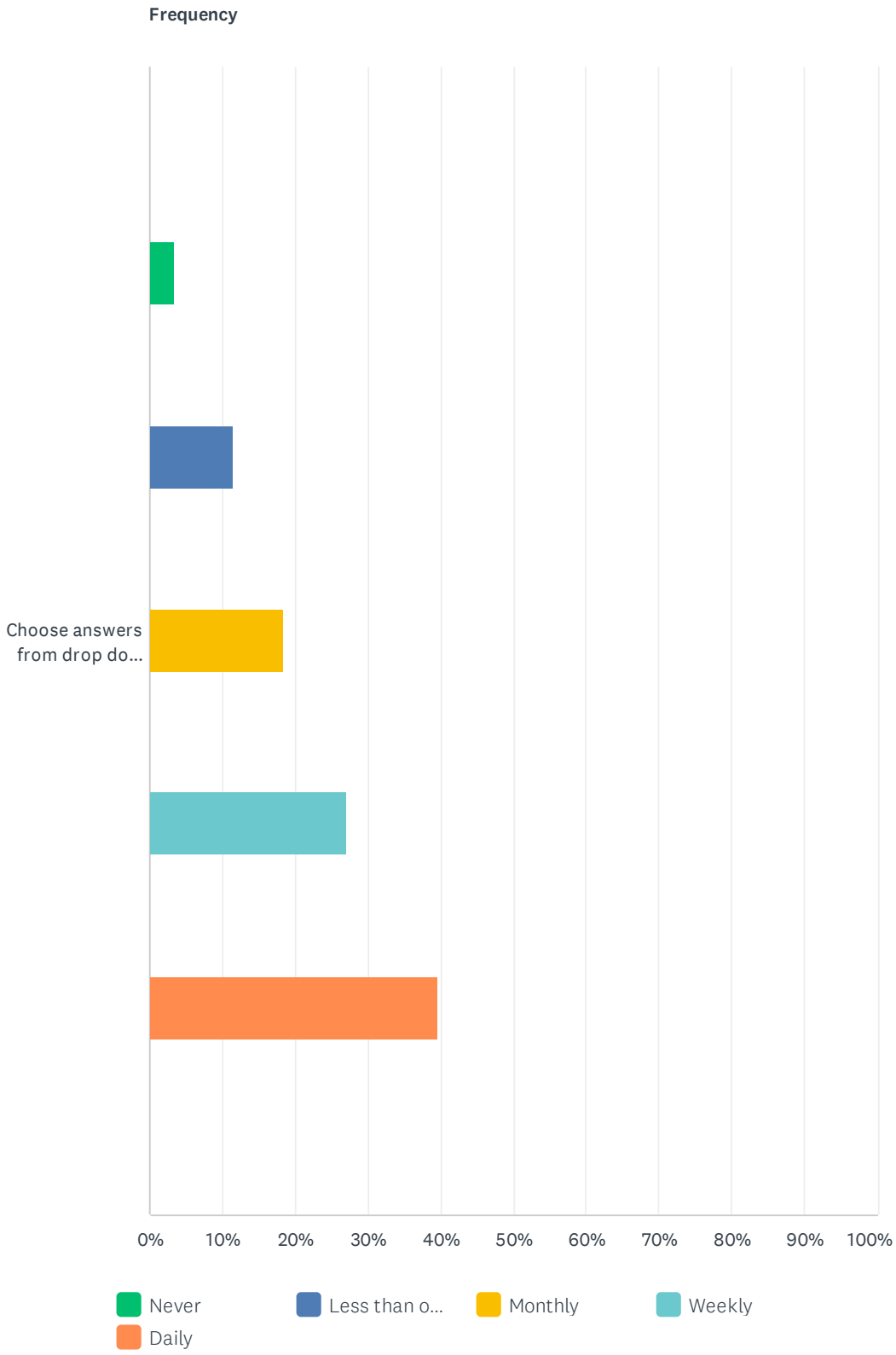

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.57%<br>6 | 9.42%<br>36 | 18.59%<br>71 | 42.93%<br>164 | 27.49%<br>105 | 382 |

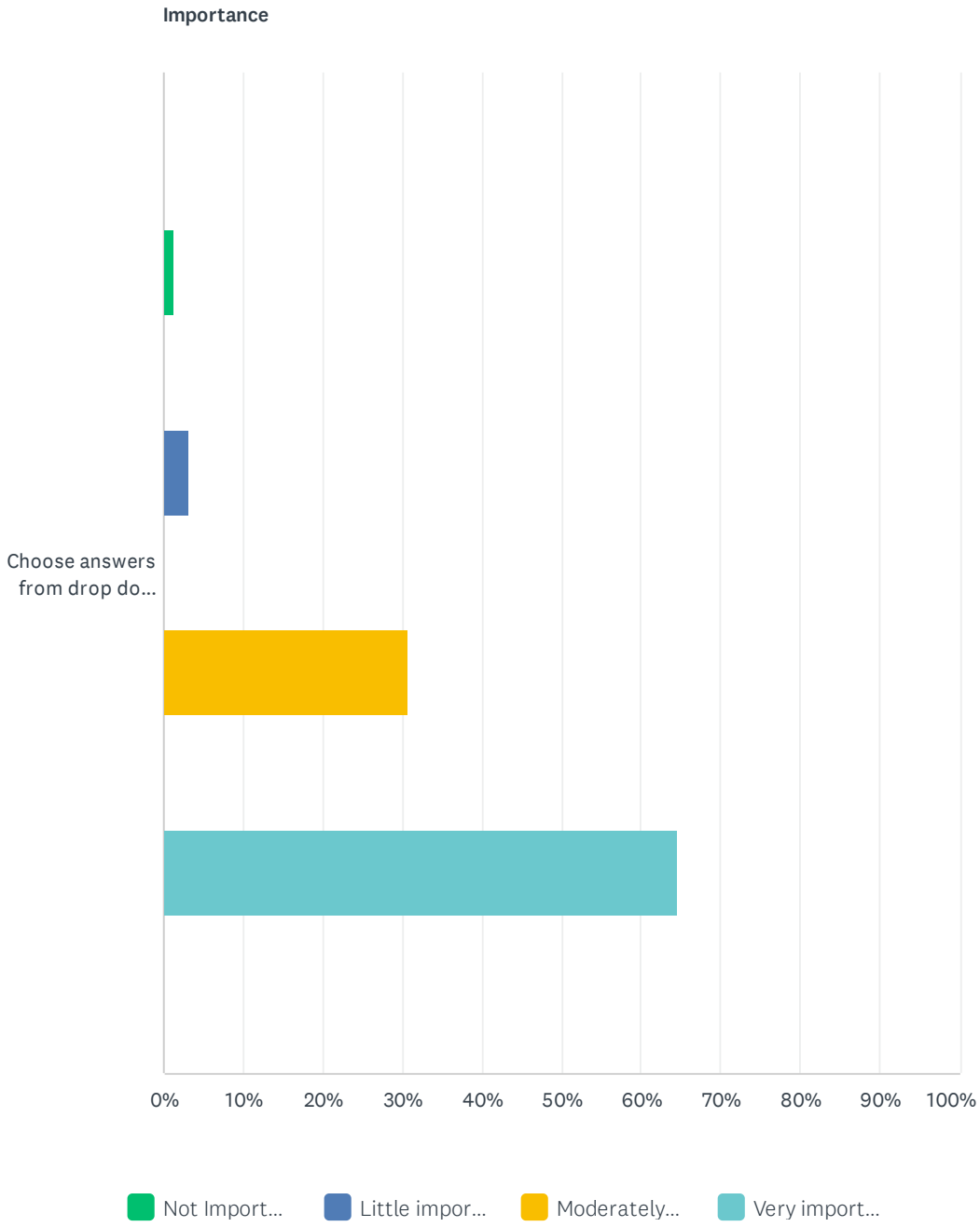
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.08%<br>4 | 4.57%<br>17 | 37.63%<br>140 | 56.72%<br>211 | 372 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 3.33%<br>12 | 19.44%<br>70 | 47.22%<br>170 | 30.00%<br>108 | <br>360 |

# Q53 2.4.1 Promoting the orthopaedic spine physical therapist as the first contact provider in musculoskeletal spine pathology.

Answered: 381 Skipped: 829

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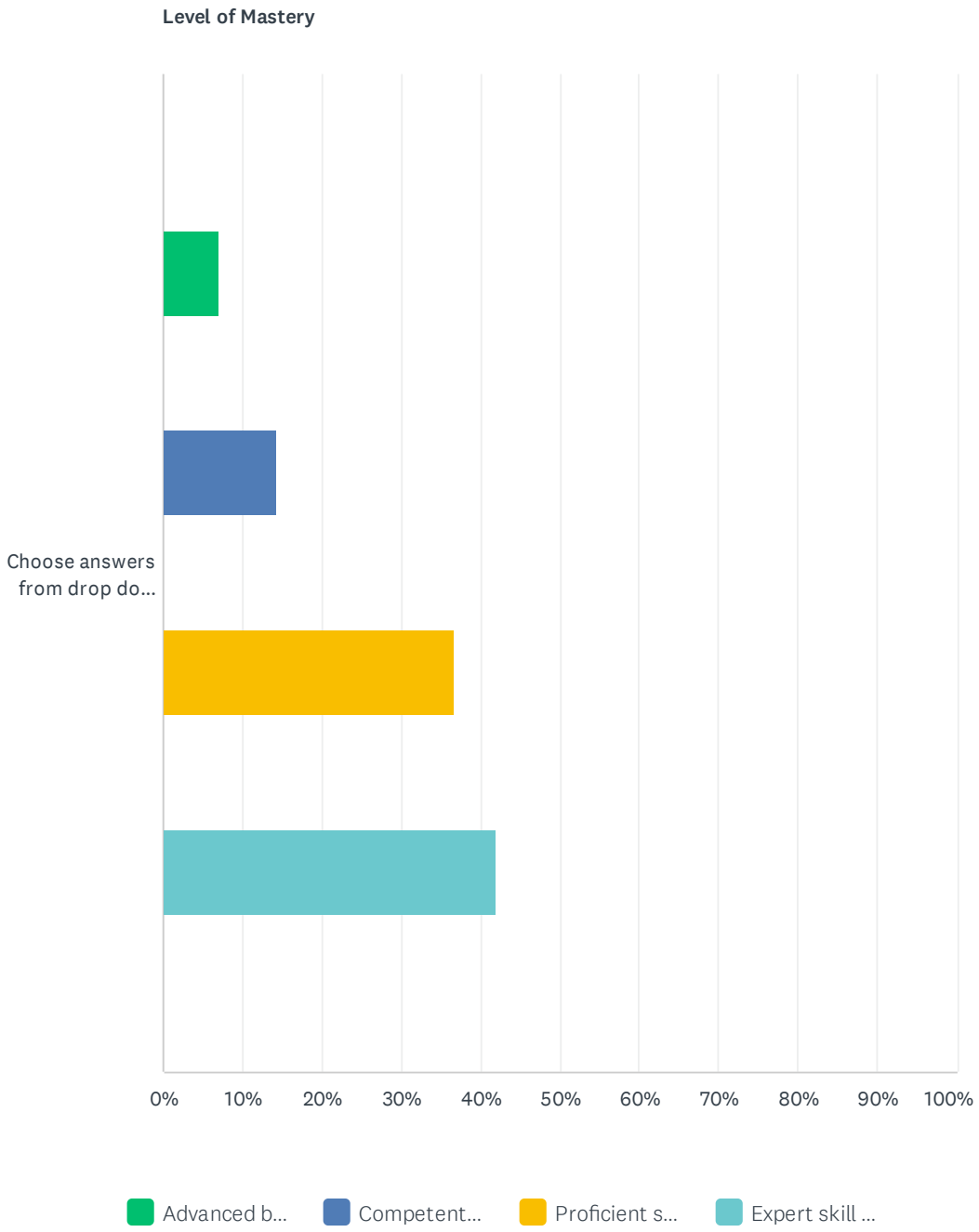


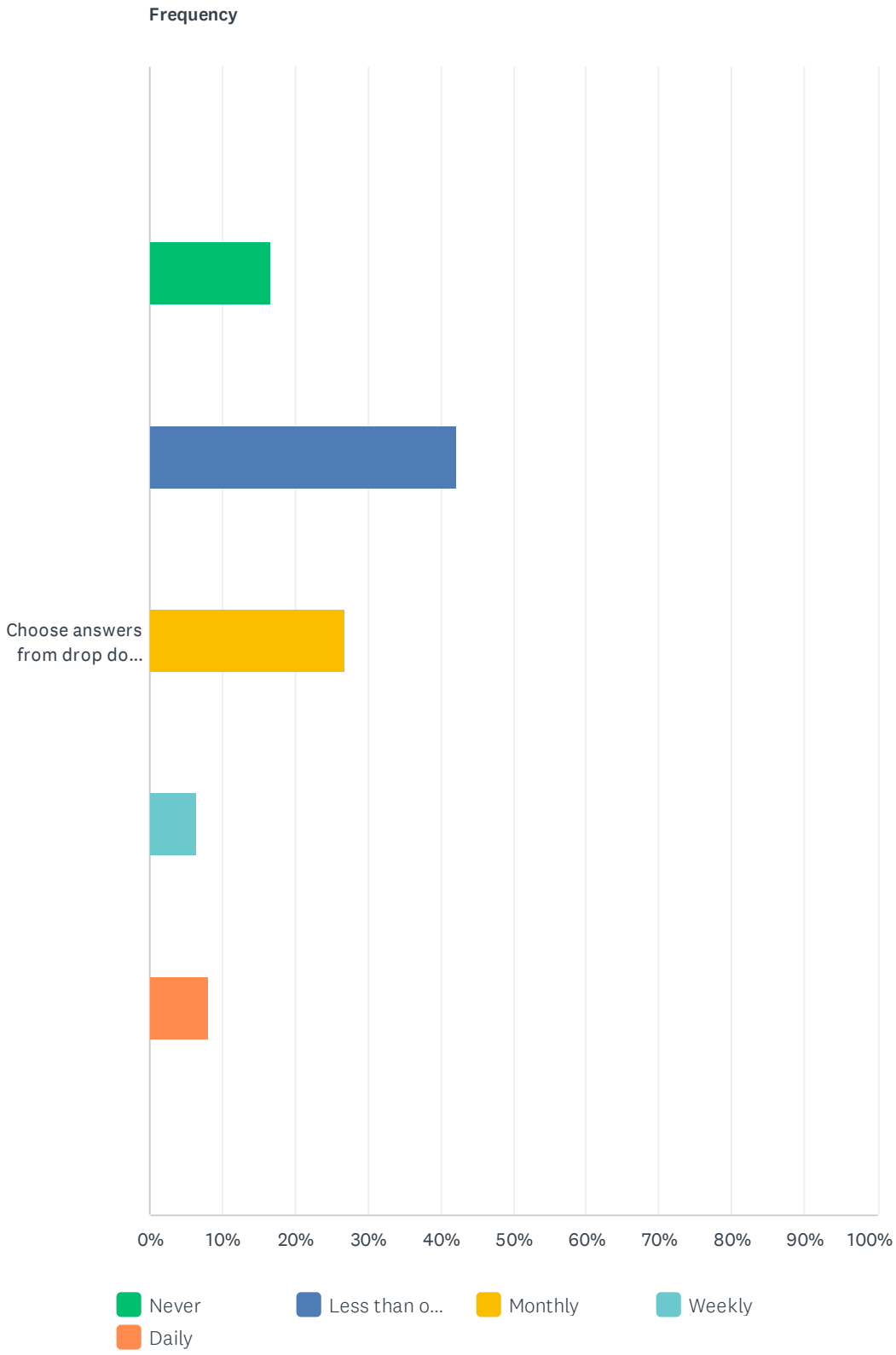

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 3.41%<br>13 | 11.55%<br>44 | 18.37%<br>70 | 27.03%<br>103 | 39.63%<br>151 | 381 |

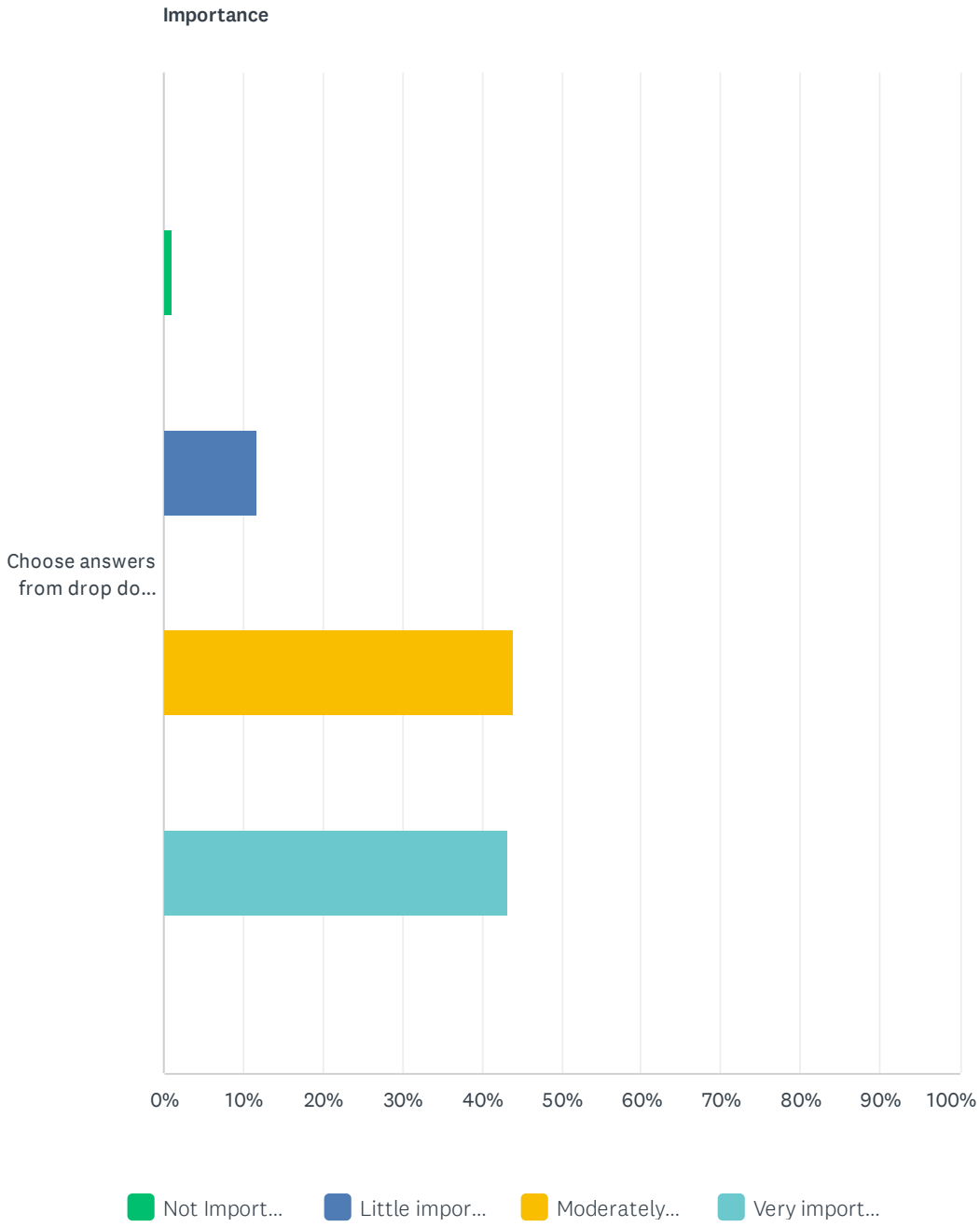
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.35%<br>5 | 3.23%<br>12 | 30.73%<br>114 | 64.69%<br>240 | 371 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 7.00%<br>25 | 14.29%<br>51 | 36.69%<br>131 | 42.02%<br>150 | <br>357 |

# Q54 2.4.2 Advocating for orthopaedic spine physical therapy practice with national organizations, healthcare systems or law-making bodies.

Answered: 381 Skipped: 829

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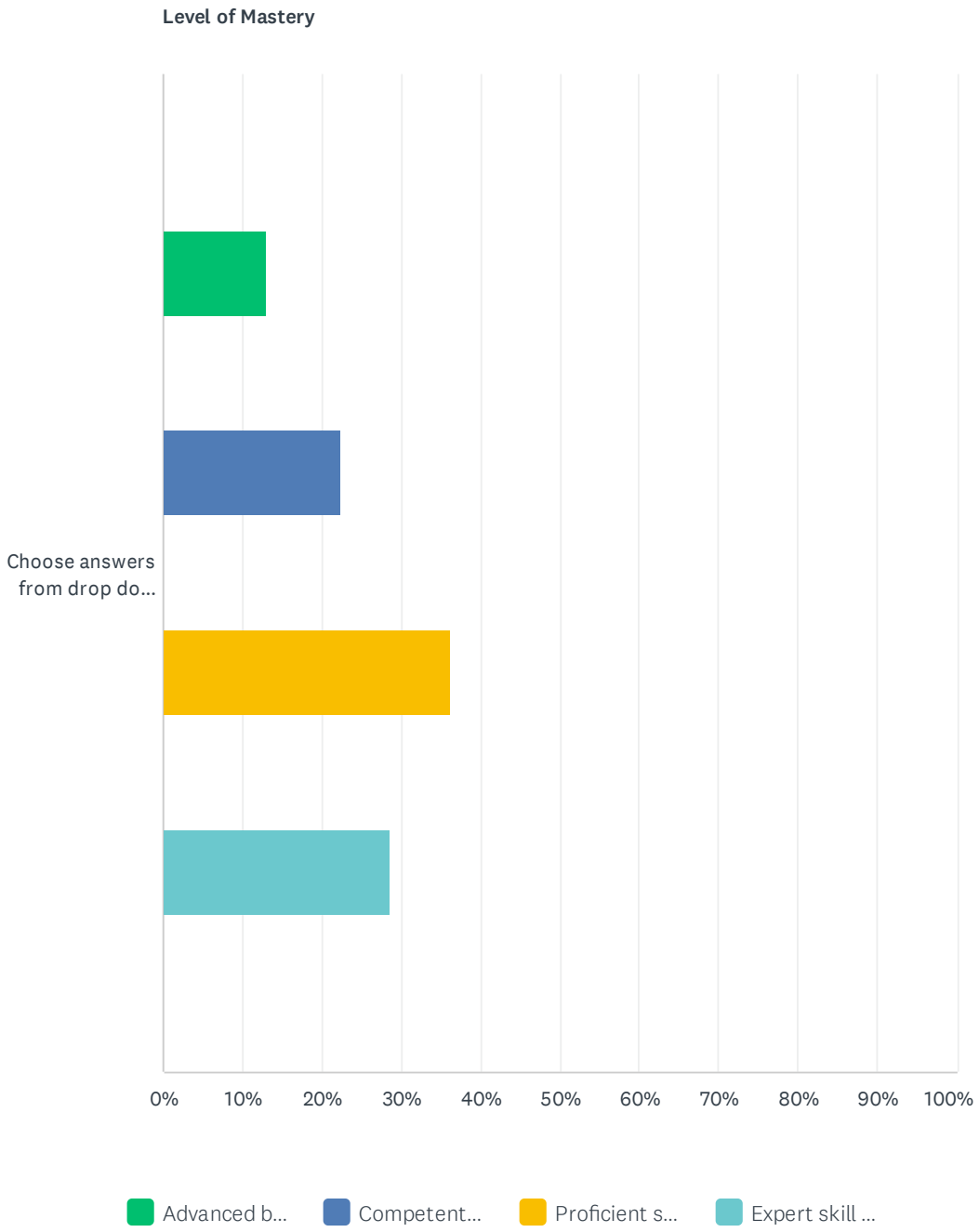


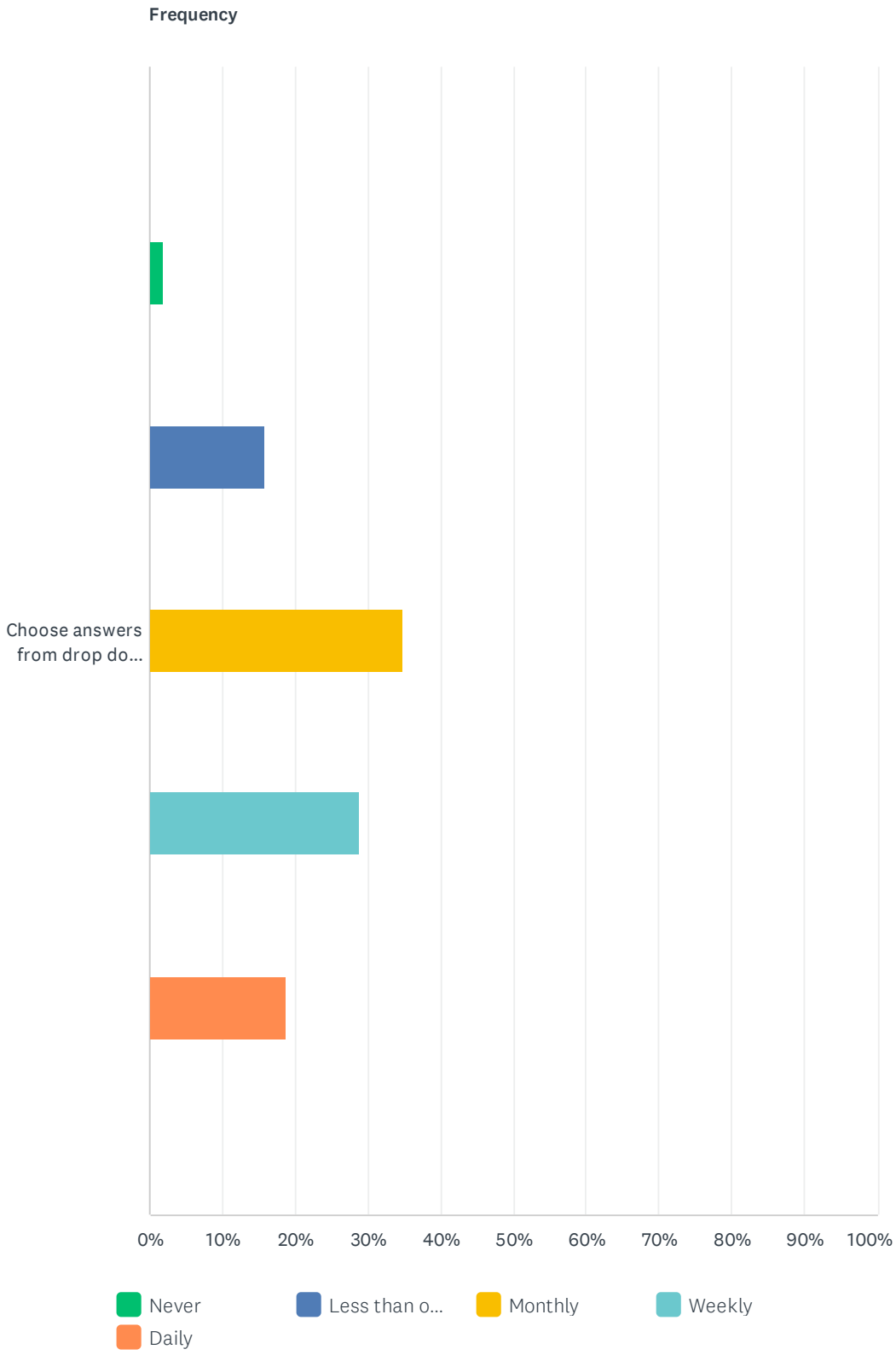

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 16.54%<br>63 | 42.26%<br>161 | 26.77%<br>102 | 6.30%<br>24 | 8.14%<br>31 | 381 |

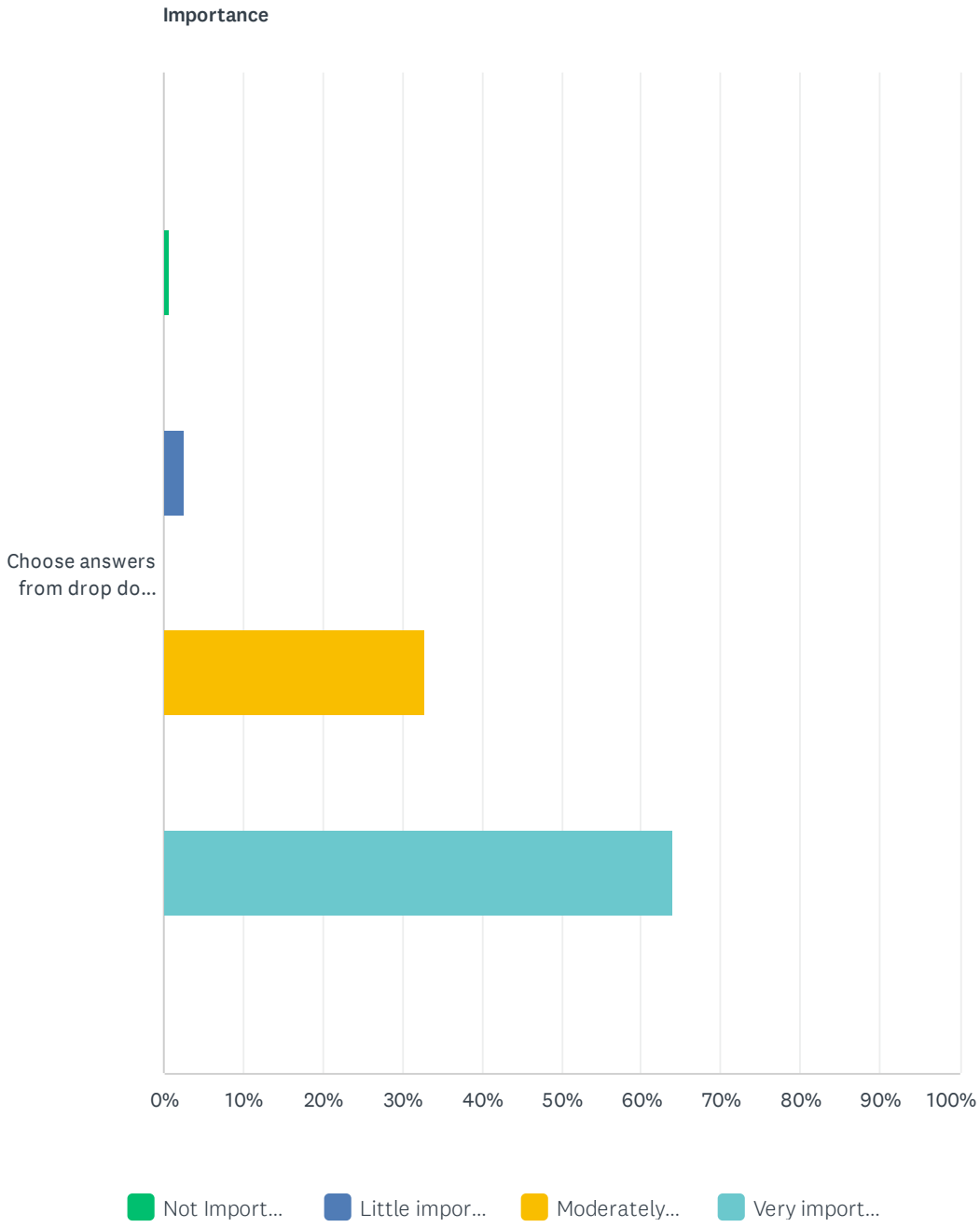
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.08%<br>4 | 11.65%<br>43 | 43.90%<br>162 | 43.36%<br>160 | 369 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 12.99%<br>46 | 22.32%<br>79 | 36.16%<br>128 | 28.53%<br>101 | <br>354 |

# Q55 2.5.1 Contributing to the professional development of other physical therapists by teaching/mentoring.

Answered: 366 Skipped: 844

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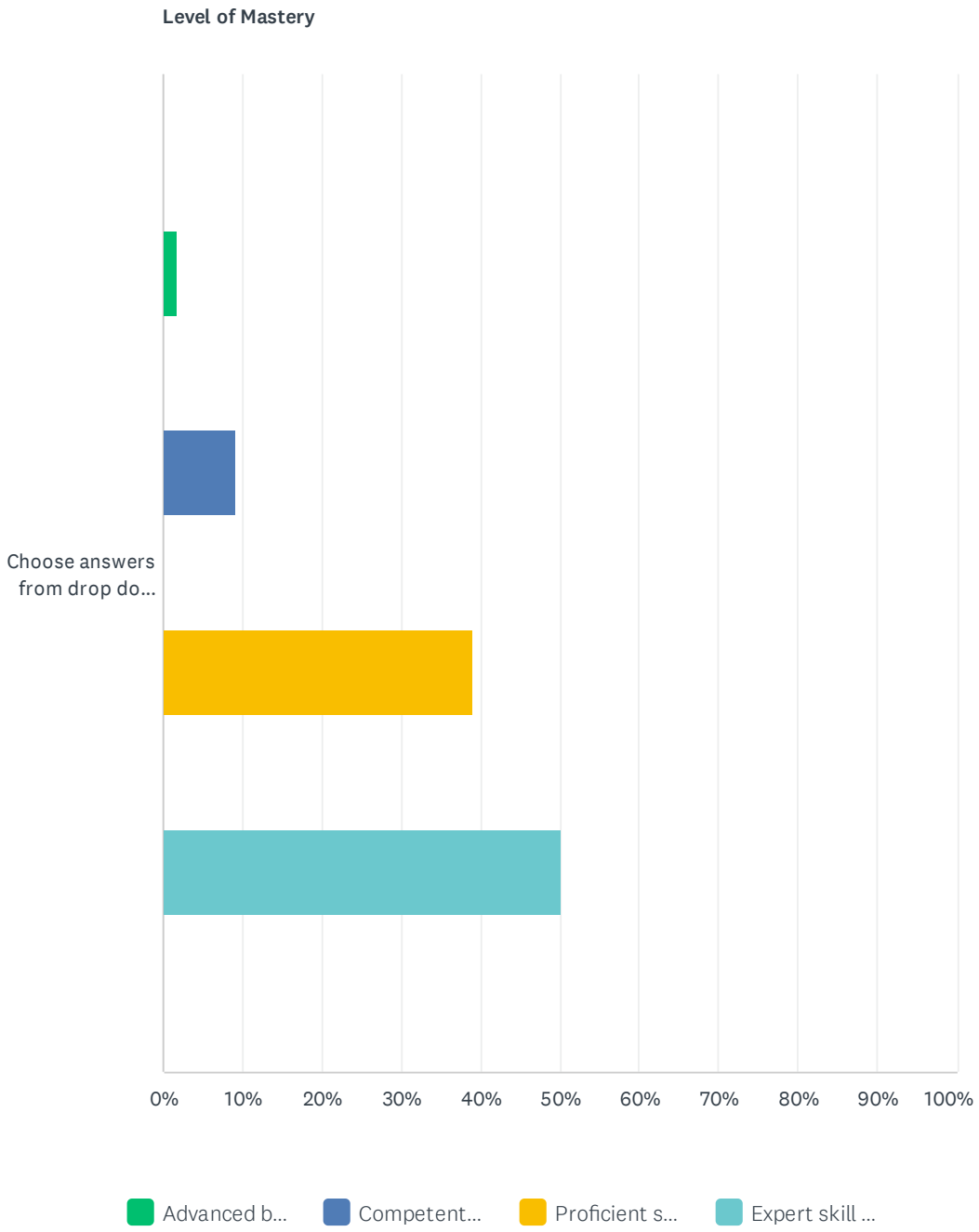


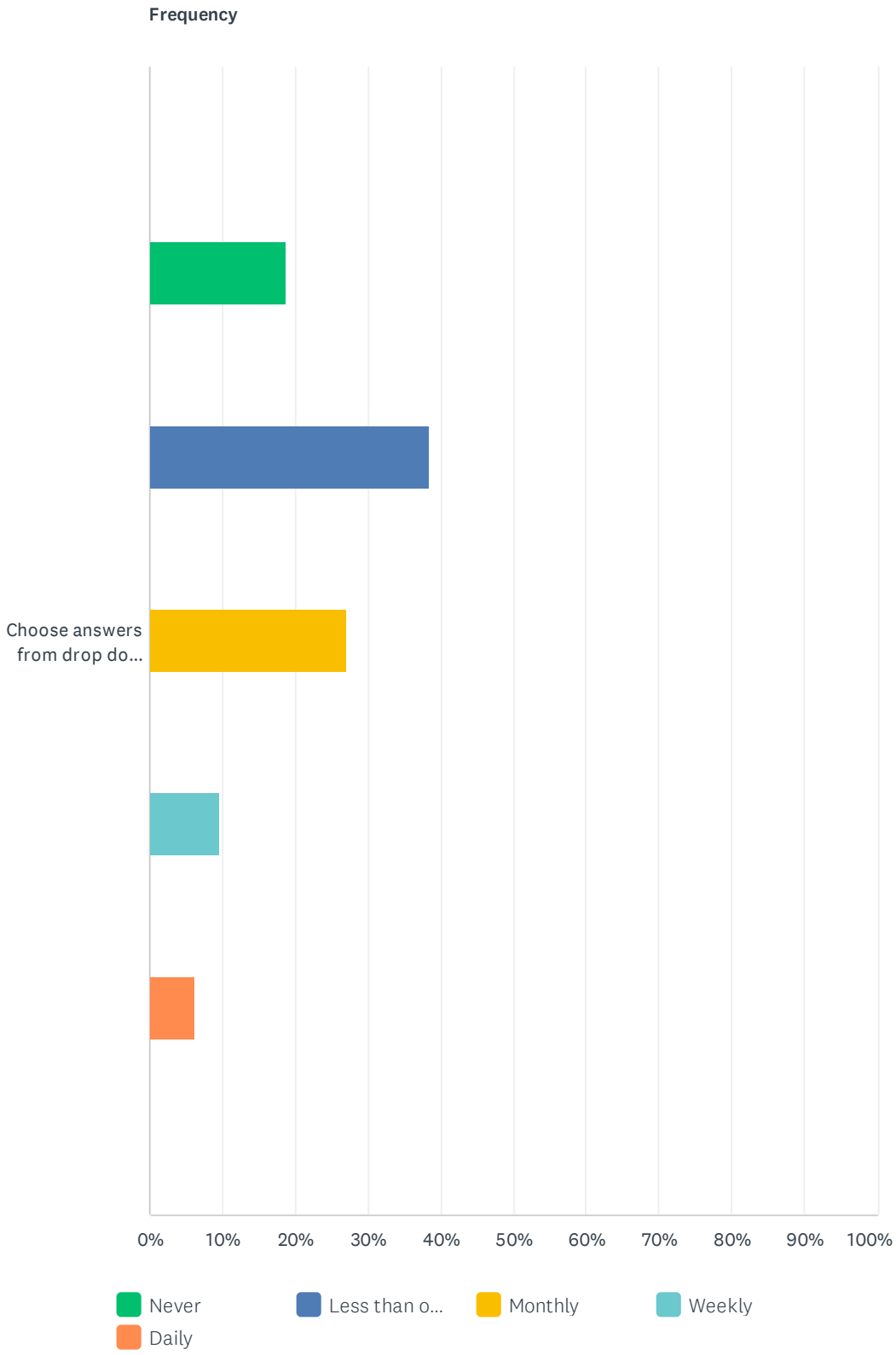

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.91%<br>7 | 15.85%<br>58 | 34.70%<br>127 | 28.69%<br>105 | 18.85%<br>69 | 366 |

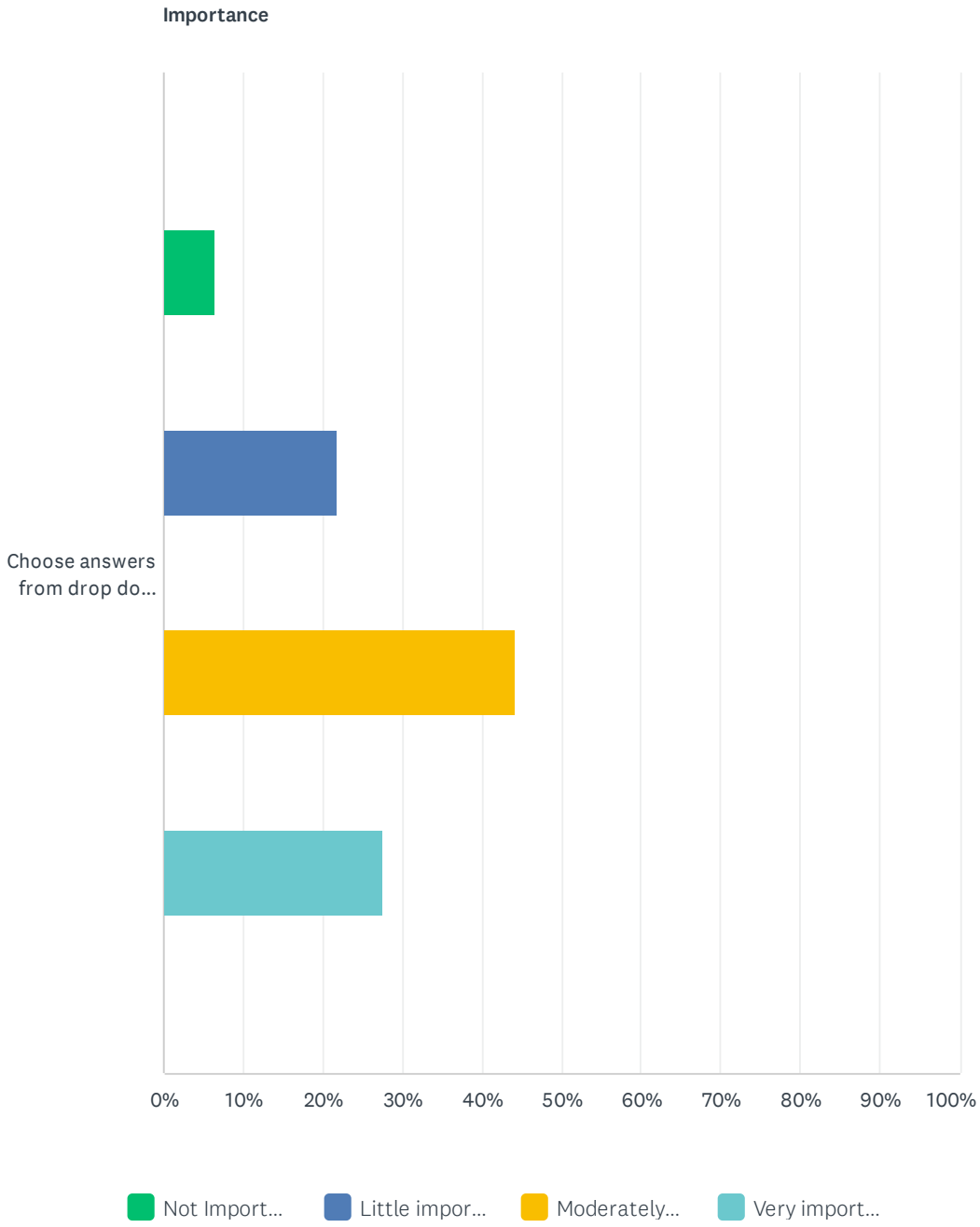
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.56%<br>2 | 2.53%<br>9 | 32.87%<br>117 | 64.04%<br>228 | 356 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 1.73%<br>6 | 9.25%<br>32 | 39.02%<br>135 | 50.00%<br>173 | <br>346 |

# Q56 2.5.2 Promoting awareness and benefits of fellowship programs in orthopaedic spine physical therapy.

Answered: 367 Skipped: 843

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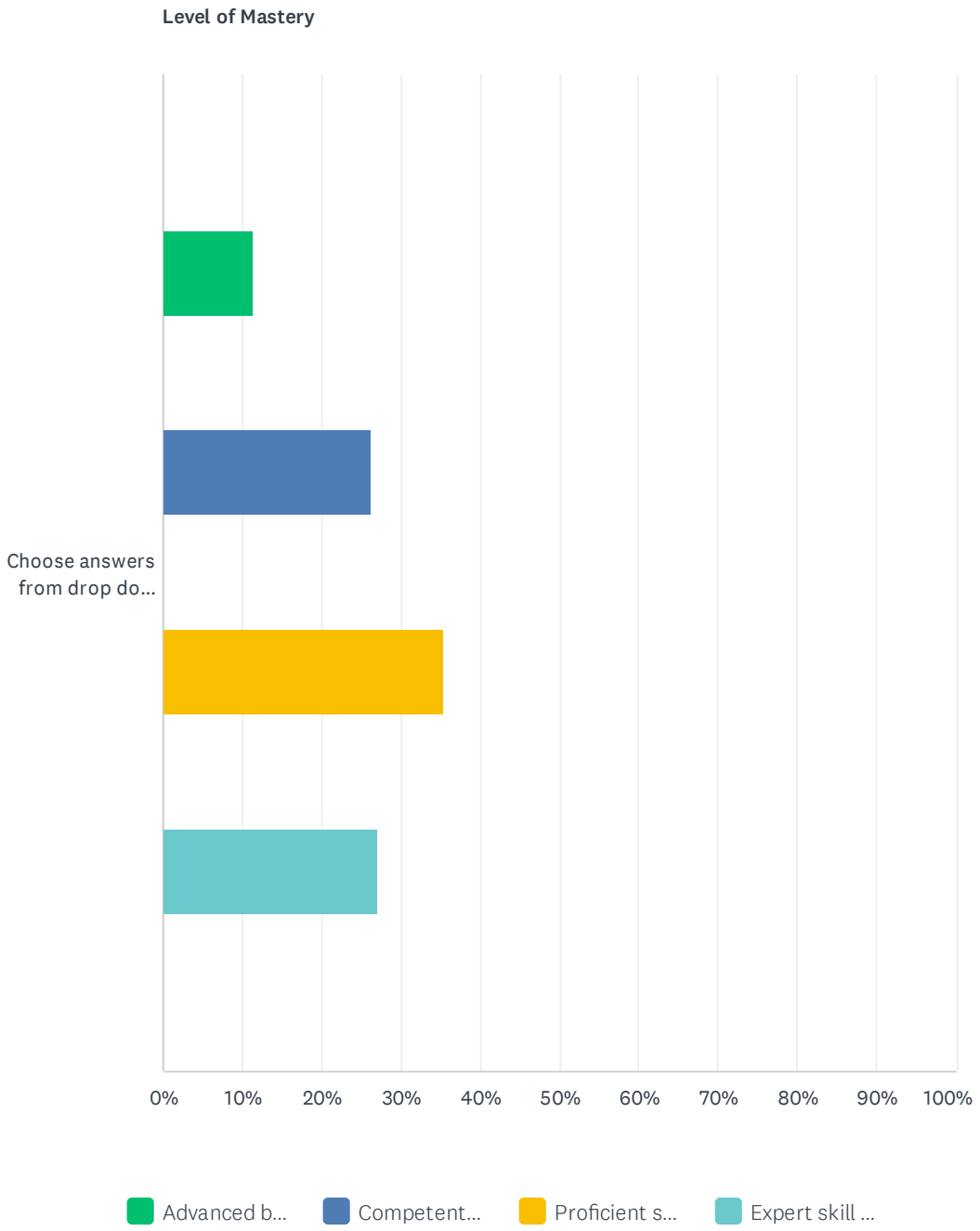


| Frequency | | | | | | |
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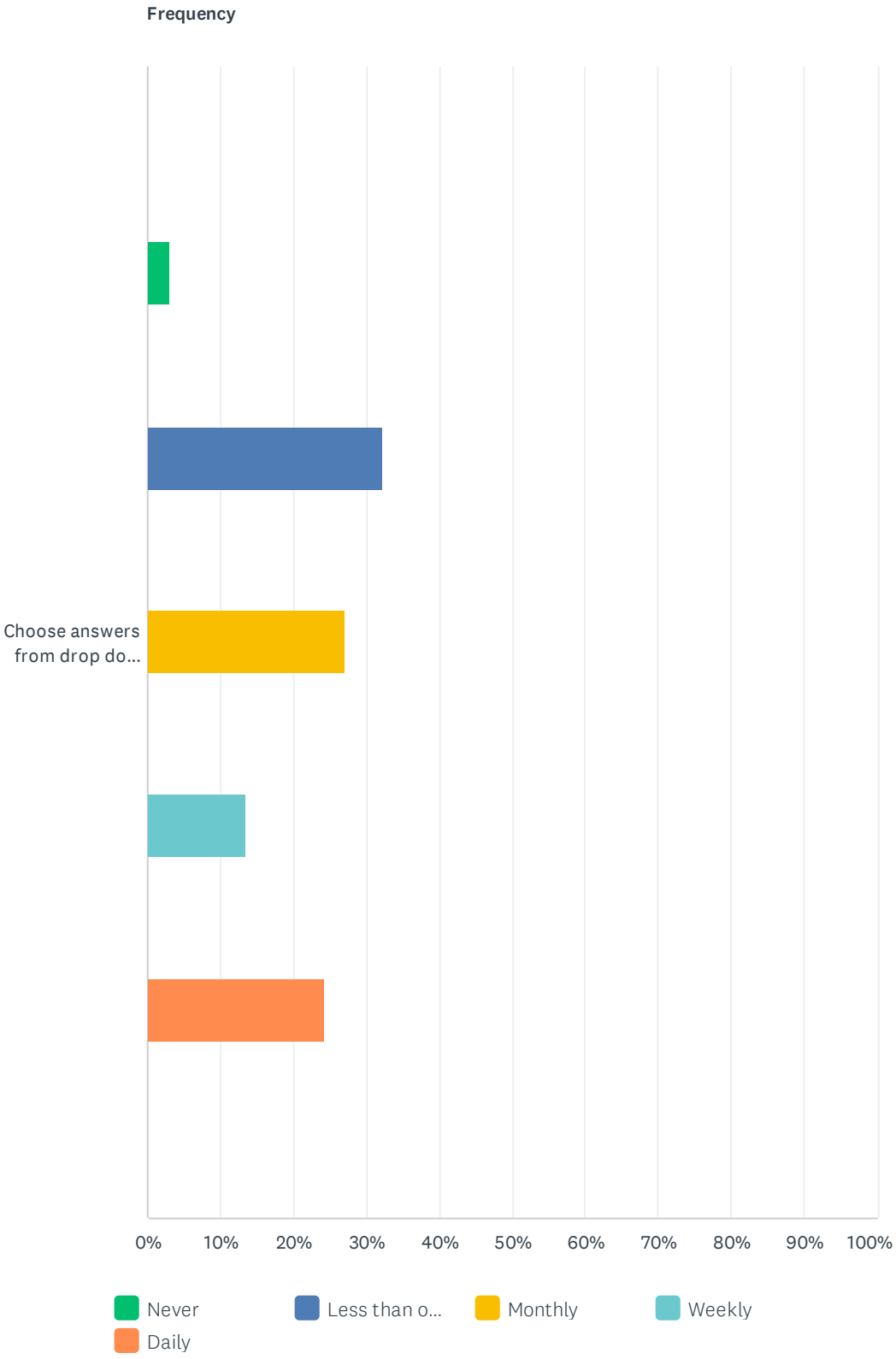
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 18.80%<br>69 | 38.42%<br>141 | 26.98%<br>99 | 9.54%<br>35 | 6.27%<br>23 | 367 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 6.48%<br>23 | 21.69%<br>77 | 44.23%<br>157 | 27.61%<br>98 | 355 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 11.21%<br>38 | 26.25%<br>89 | 35.40%<br>120 | 27.14%<br>92 | <br>339 |

# Q57 2.5.3 Educating the public regarding spine conditions, the role of orthopaedic spine physical therapists, and addressing common misconceptions.

Answered: 366 Skipped: 844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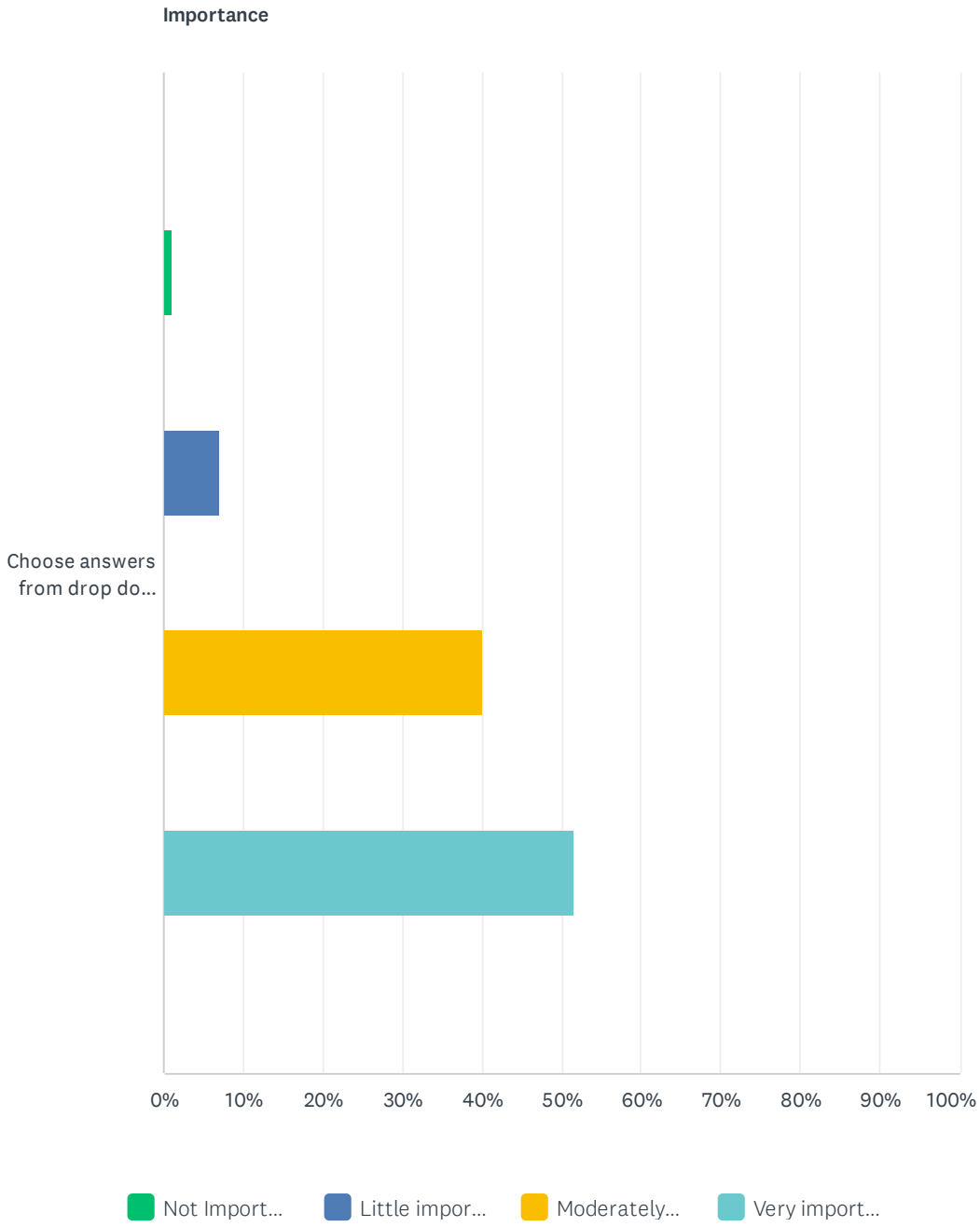
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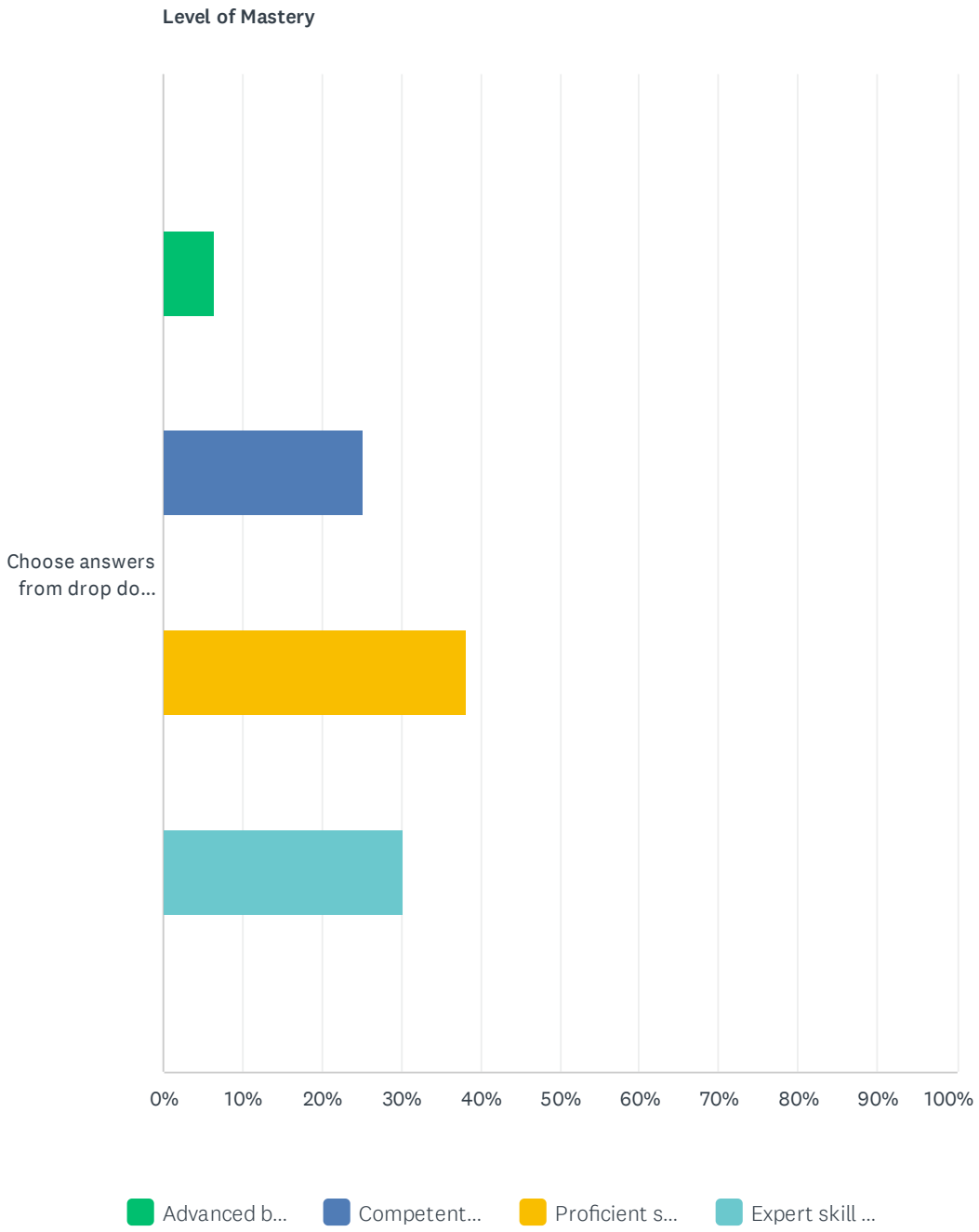


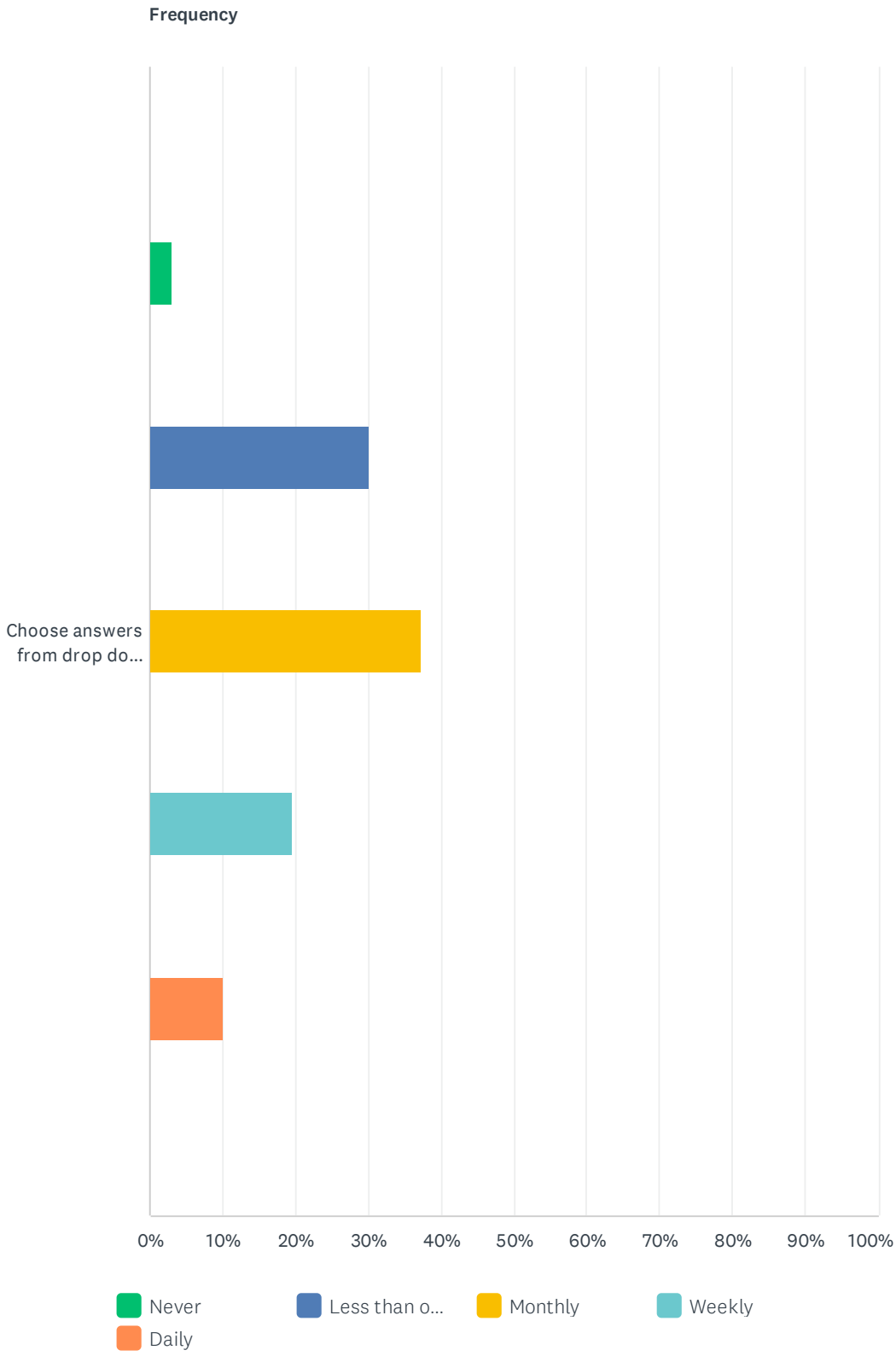

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 3.01%<br>11 | 32.24%<br>118 | 27.05%<br>99 | 13.39%<br>49 | 24.32%<br>89 | 366 |

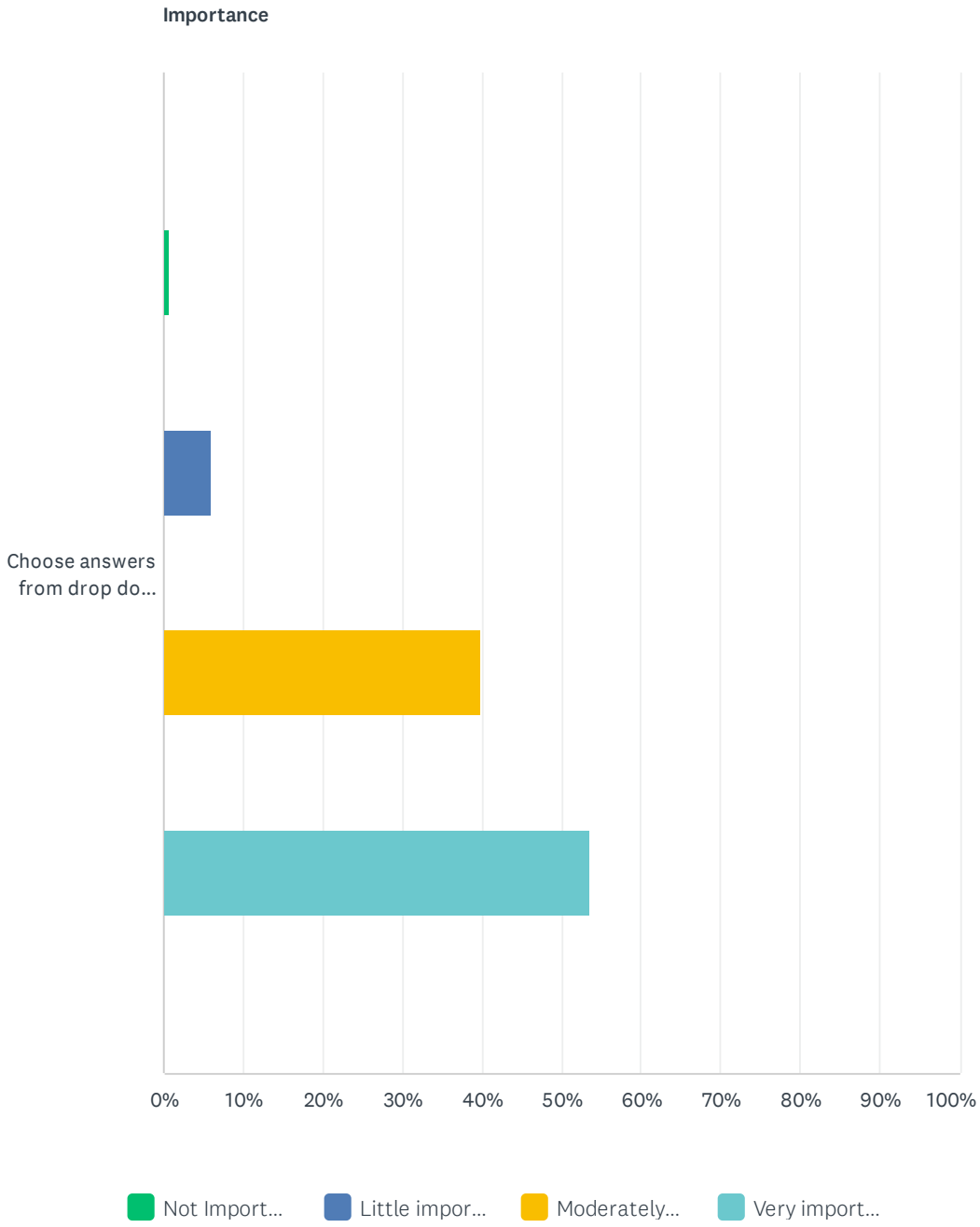
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.12%<br>4 | 7.02%<br>25 | 40.17%<br>143 | 51.69%<br>184 | 356 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 6.36%<br>22 | 25.14%<br>87 | 38.15%<br>132 | 30.35%<br>105 | <br>346 |

# Q58 2.5.4 Educating other health care professionals and administrators as to the scope and role of orthopaedic spine physical therapists.

Answered: 362 Skipped: 848

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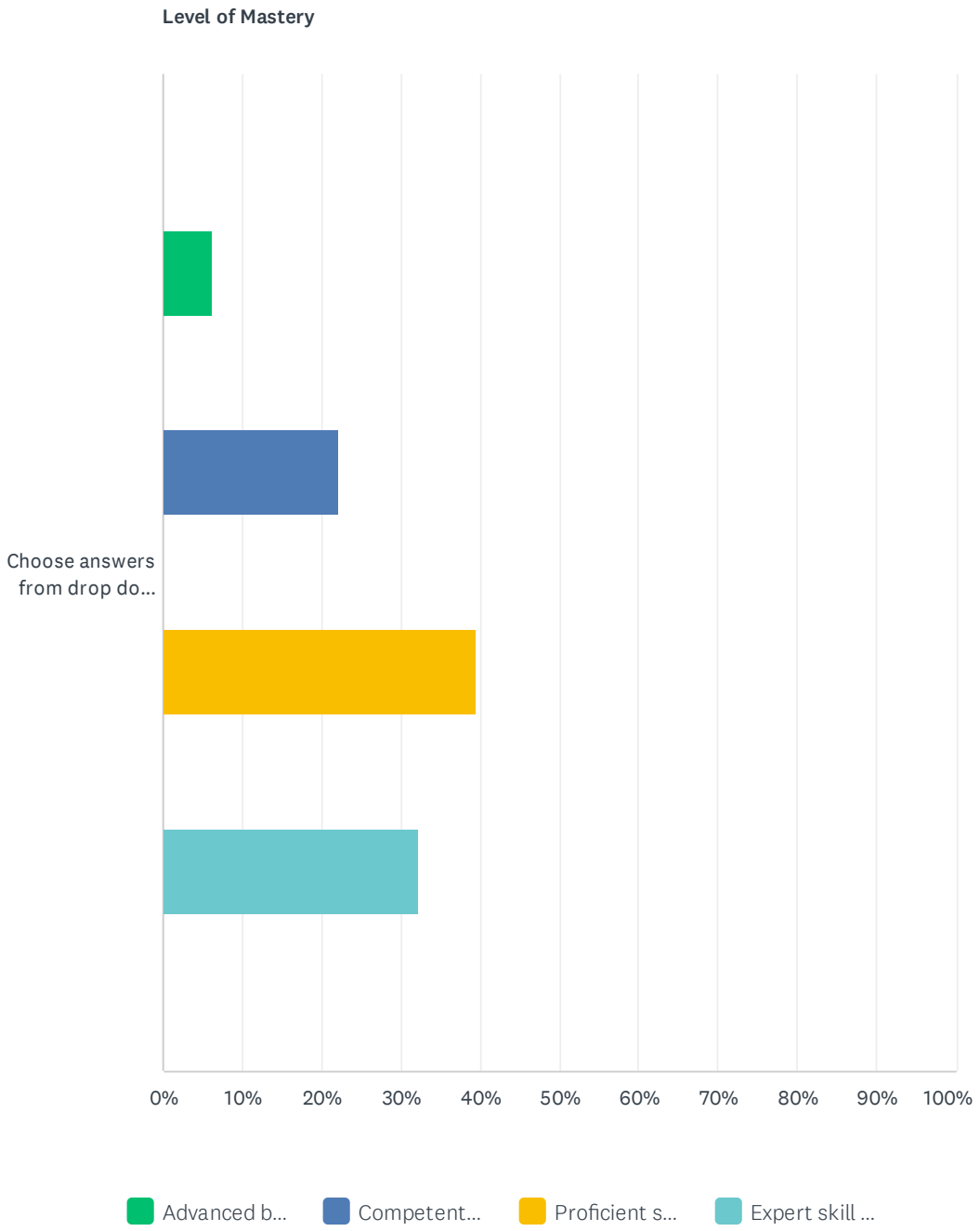


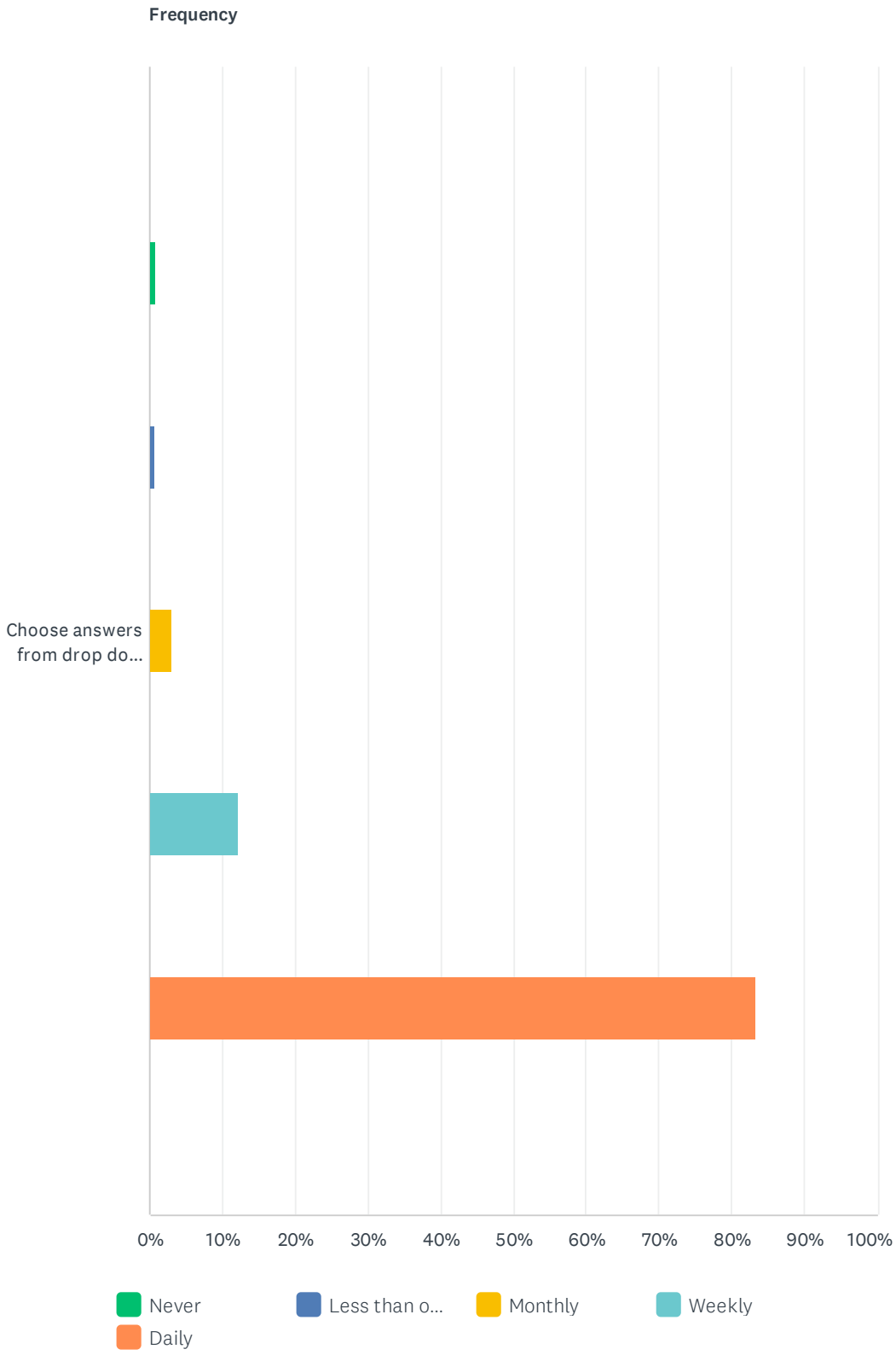

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 3.04%<br>11 | 30.11%<br>109 | 37.29%<br>135 | 19.61%<br>71 | 9.94%<br>36 | 362 |

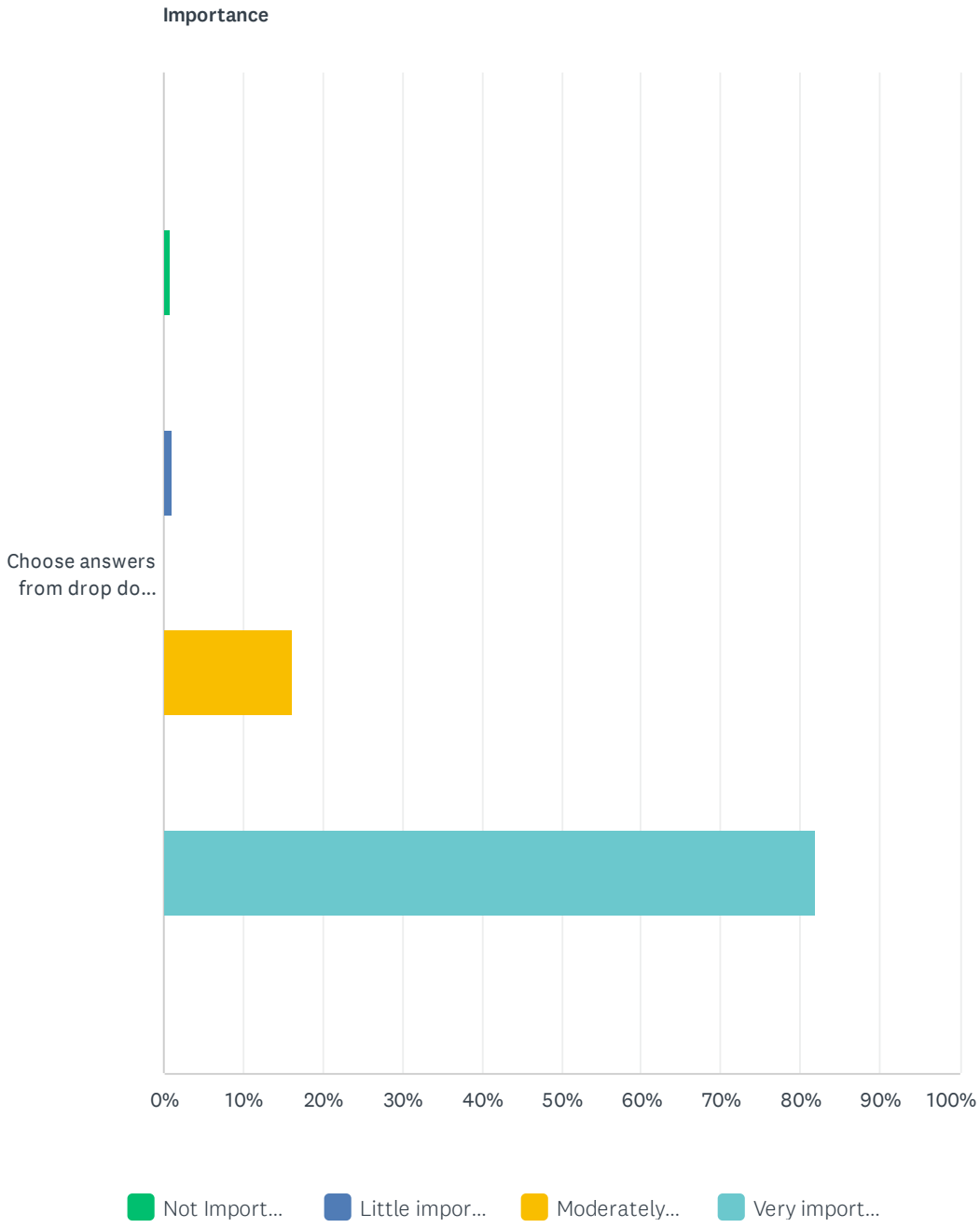
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.57%<br>2 | 5.98%<br>21 | 39.89%<br>140 | 53.56%<br>188 | 351 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 6.14%<br>21 | 22.22%<br>76 | 39.47%<br>135 | 32.16%<br>110 | <br>342 |

# Q59 2.6.1 Applying principles of evidence-based practice in patient/client management.

Answered: 362 Skipped: 848

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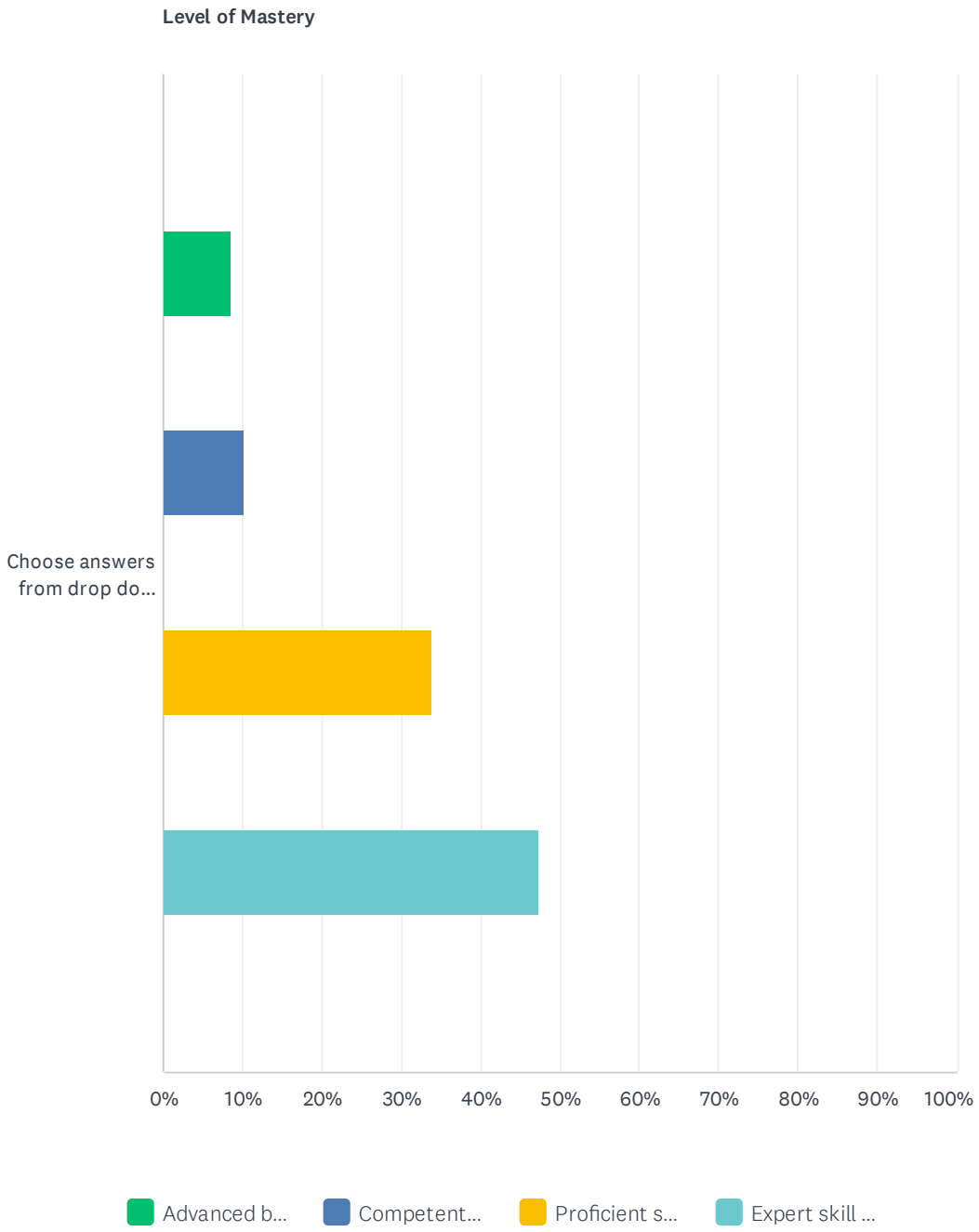


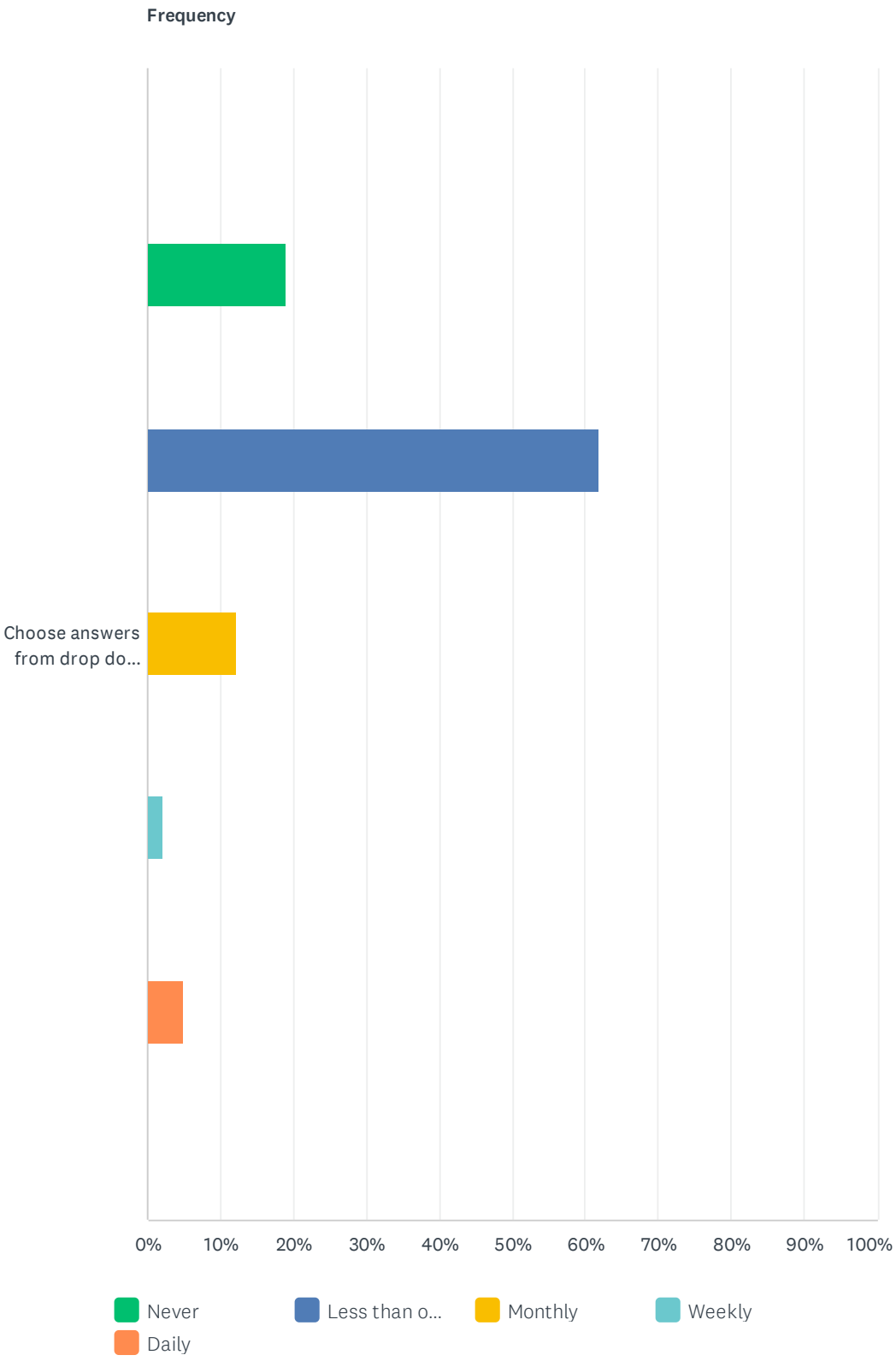

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.83%<br>3 | 0.55%<br>2 | 3.04%<br>11 | 12.15%<br>44 | 83.43%<br>302 | 362 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.85%<br>3 | 1.14%<br>4 | 16.19%<br>57 | 81.82%<br>288 | 352 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 8.48%<br>29 | 10.23%<br>35 | 33.92%<br>116 | 47.37%<br>162 | <br>342 |

# Q60 2.6.2 Contributing to the body of evidence in orthopaedic spine physical therapy (e.g., peer-reviewed and non-peer-reviewed presentations and publications).

Answered: 364 Skipped: 846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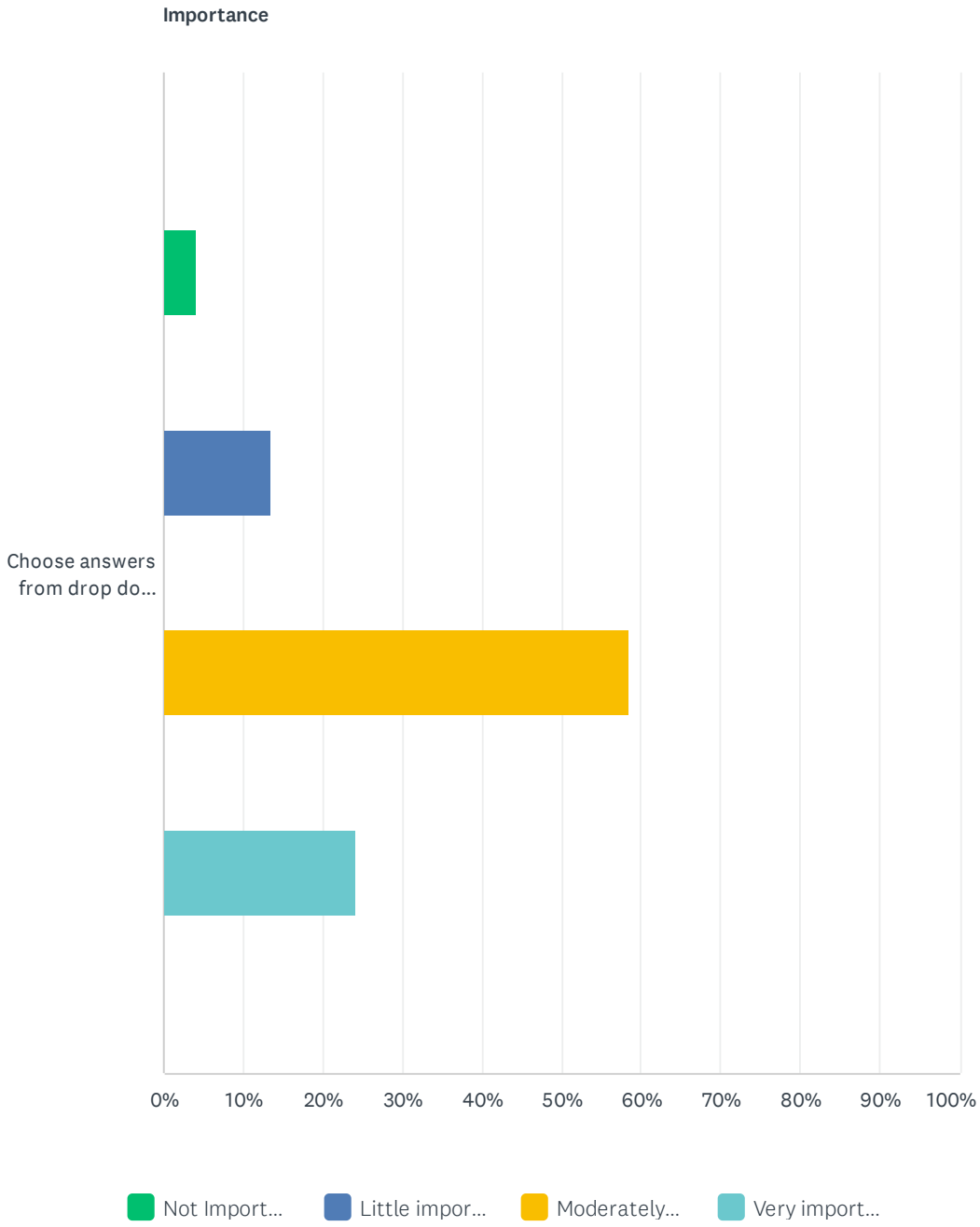
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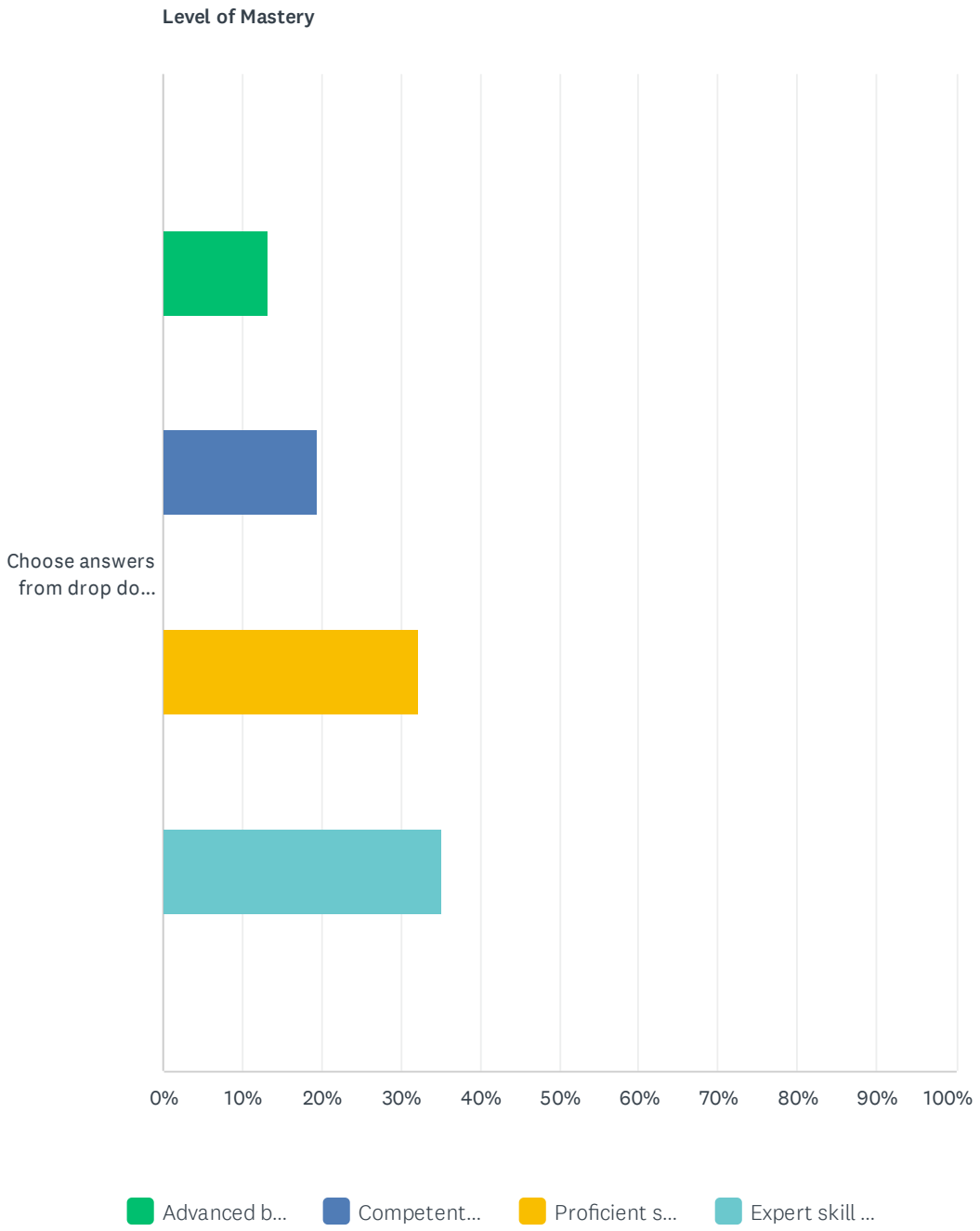


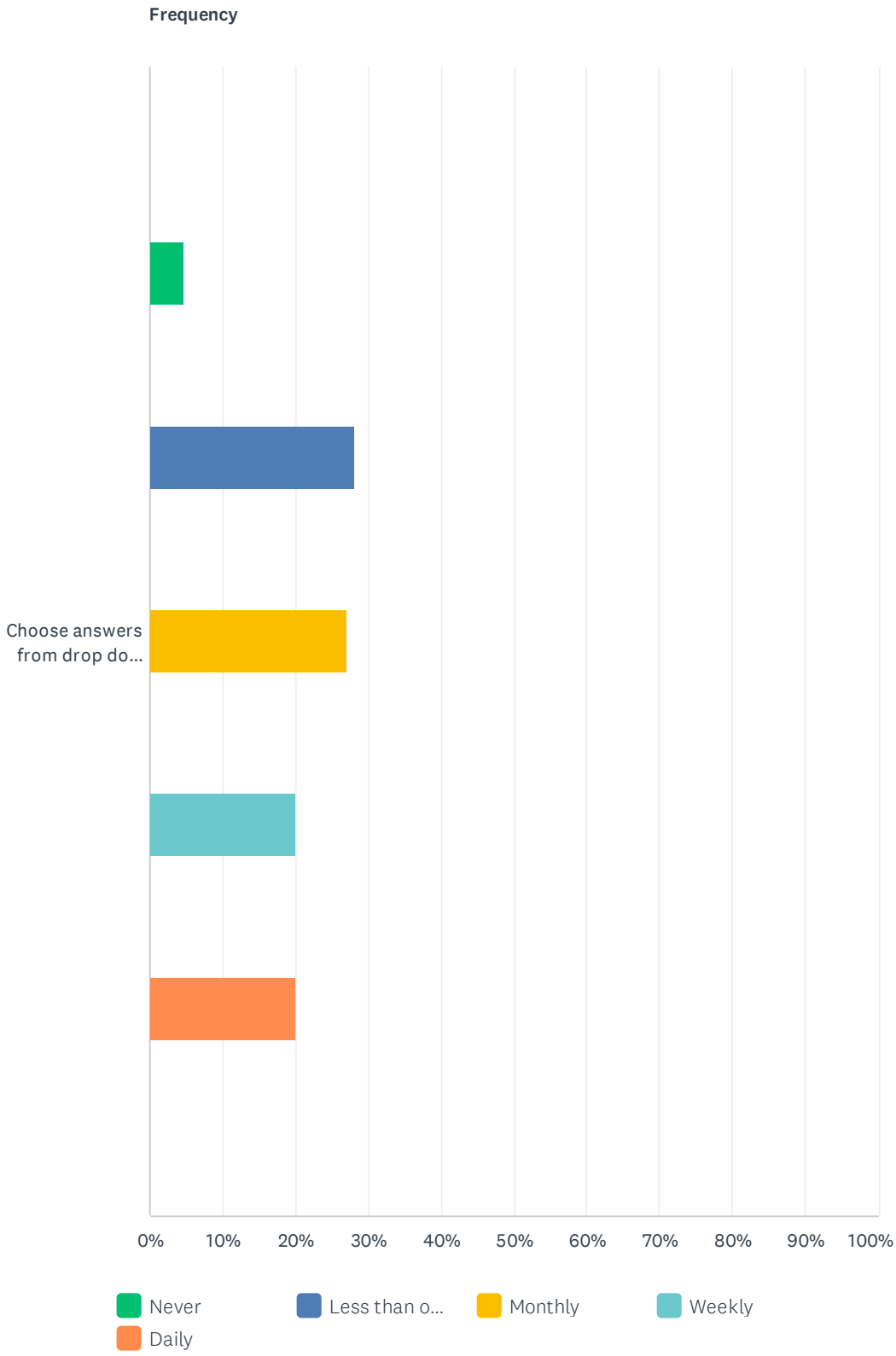

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 18.96%<br>69 | 61.81%<br>225 | 12.09%<br>44 | 2.20%<br>8 | 4.95%<br>18 | 364 |

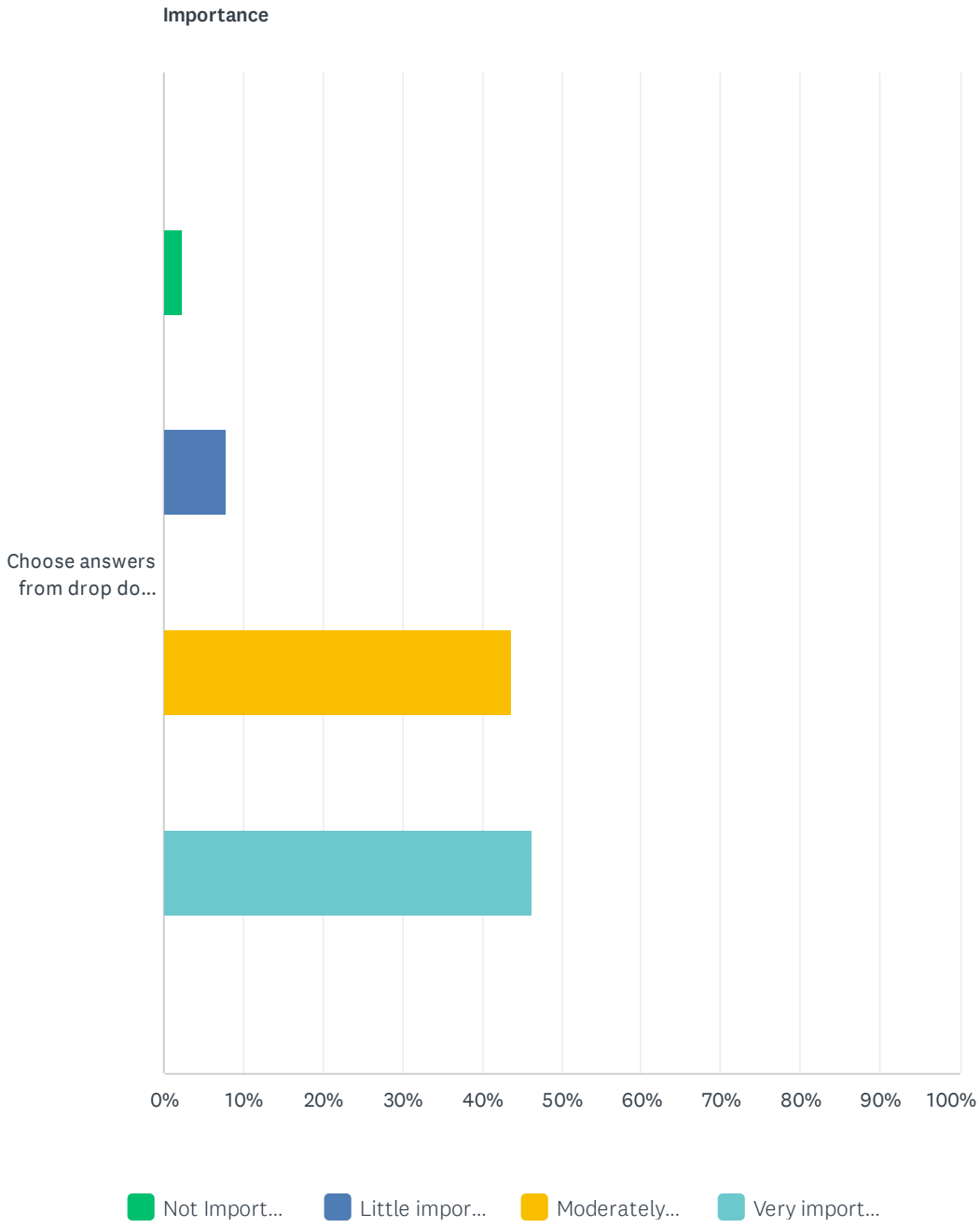
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 3.98%<br>14 | 13.35%<br>47 | 58.52%<br>206 | 24.15%<br>85 | 352 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 13.20%<br>45 | 19.35%<br>66 | 32.26%<br>110 | 35.19%<br>120 | <br>341 |

# Q61 2.6.3 Evaluating the efficacy and effectiveness of examination tools, interventions, and technologies based upon available evidence.

Answered: 363 Skipped: 847

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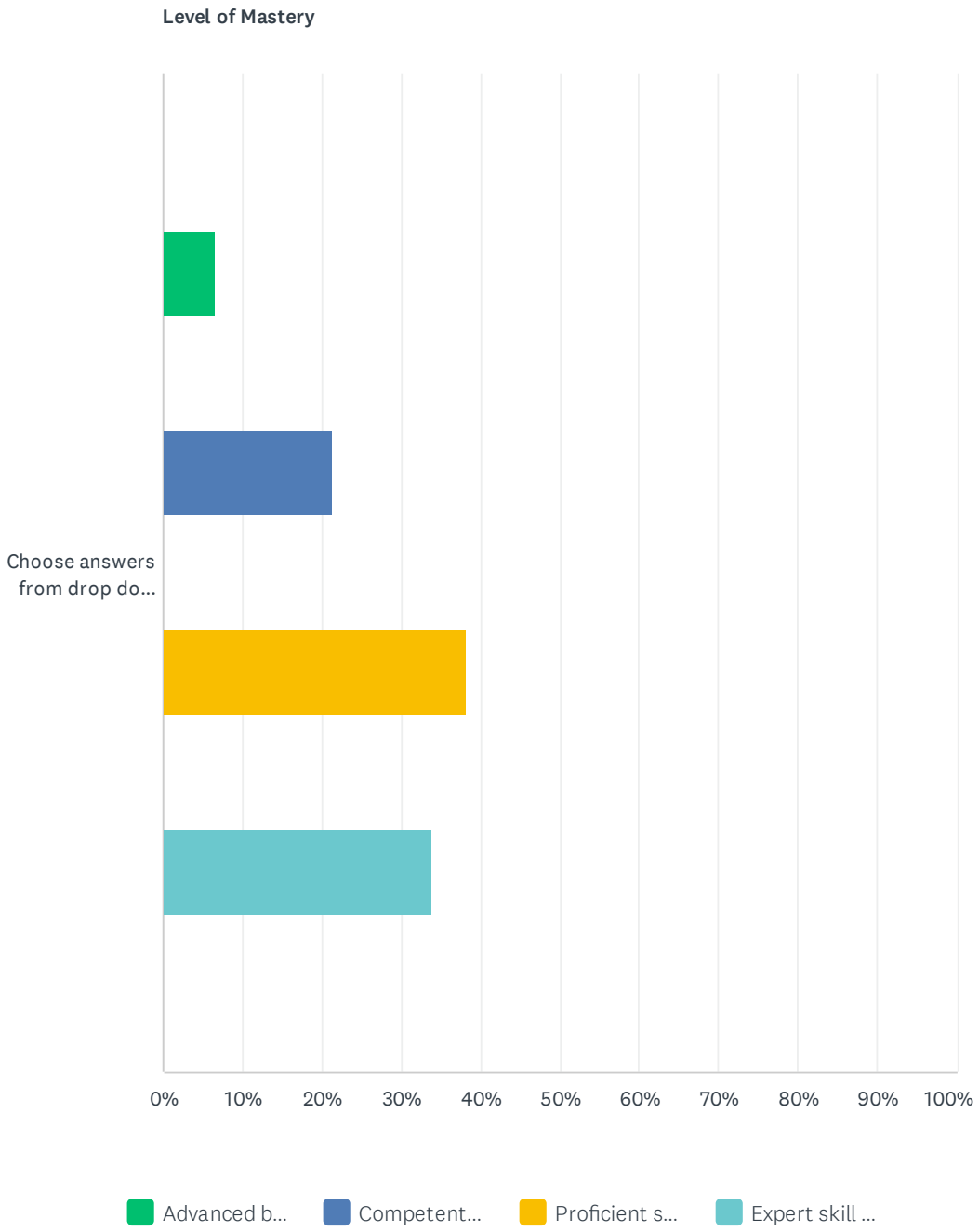


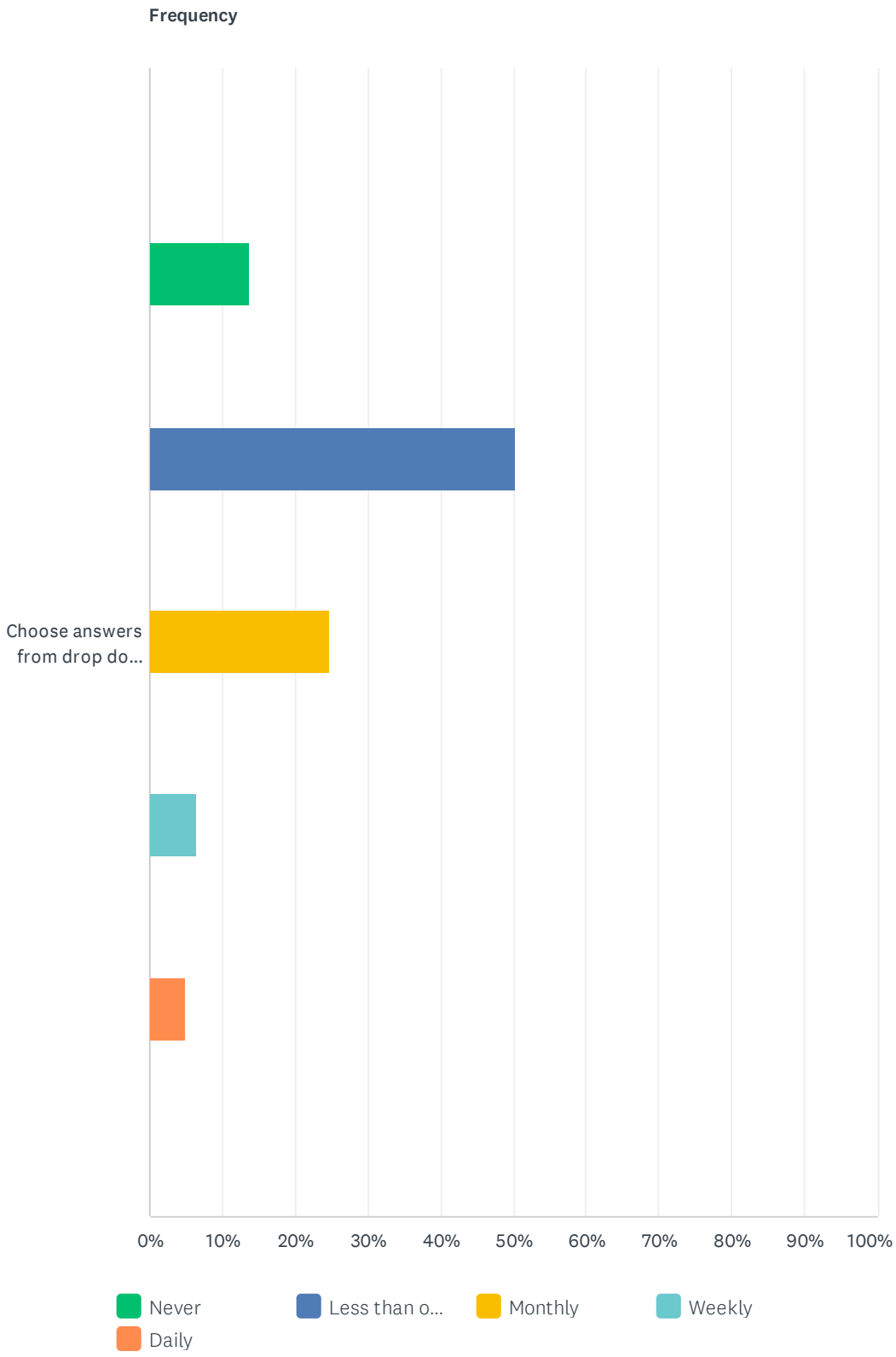

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 4.68%<br>17 | 28.10%<br>102 | 27.00%<br>98 | 20.11%<br>73 | 20.11%<br>73 | 363 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 2.27%<br>8 | 7.93%<br>28 | 43.63%<br>154 | 46.18%<br>163 | 353 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 6.71%<br>23 | 21.28%<br>73 | 38.19%<br>131 | 33.82%<br>116 | <br>343 |

# Q62 2.6.4 Identifying research needs within the field of orthopaedic spine physical therapy, evaluating outcomes data, and assessing new concepts and technologies.

Answered: 364 Skipped: 846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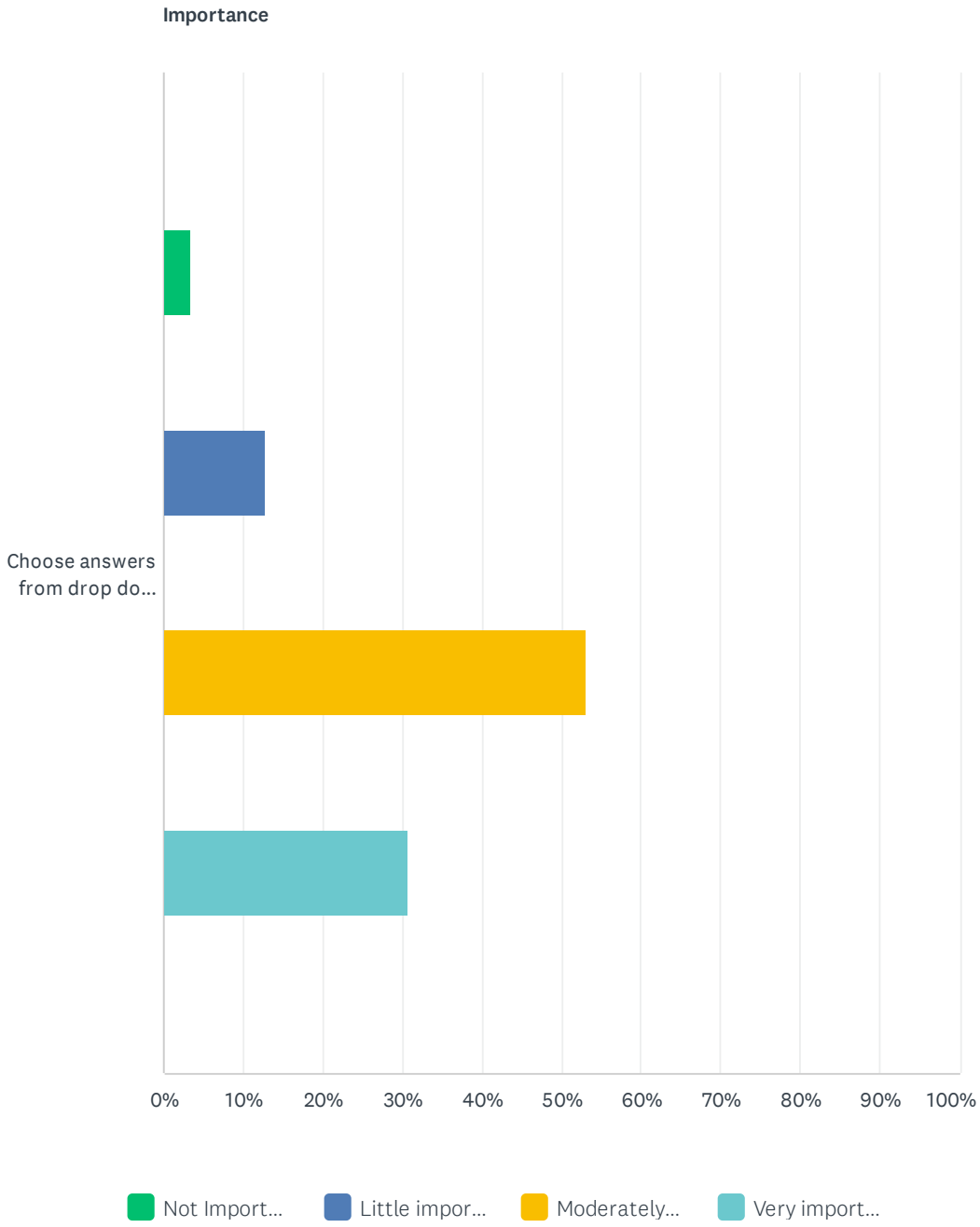
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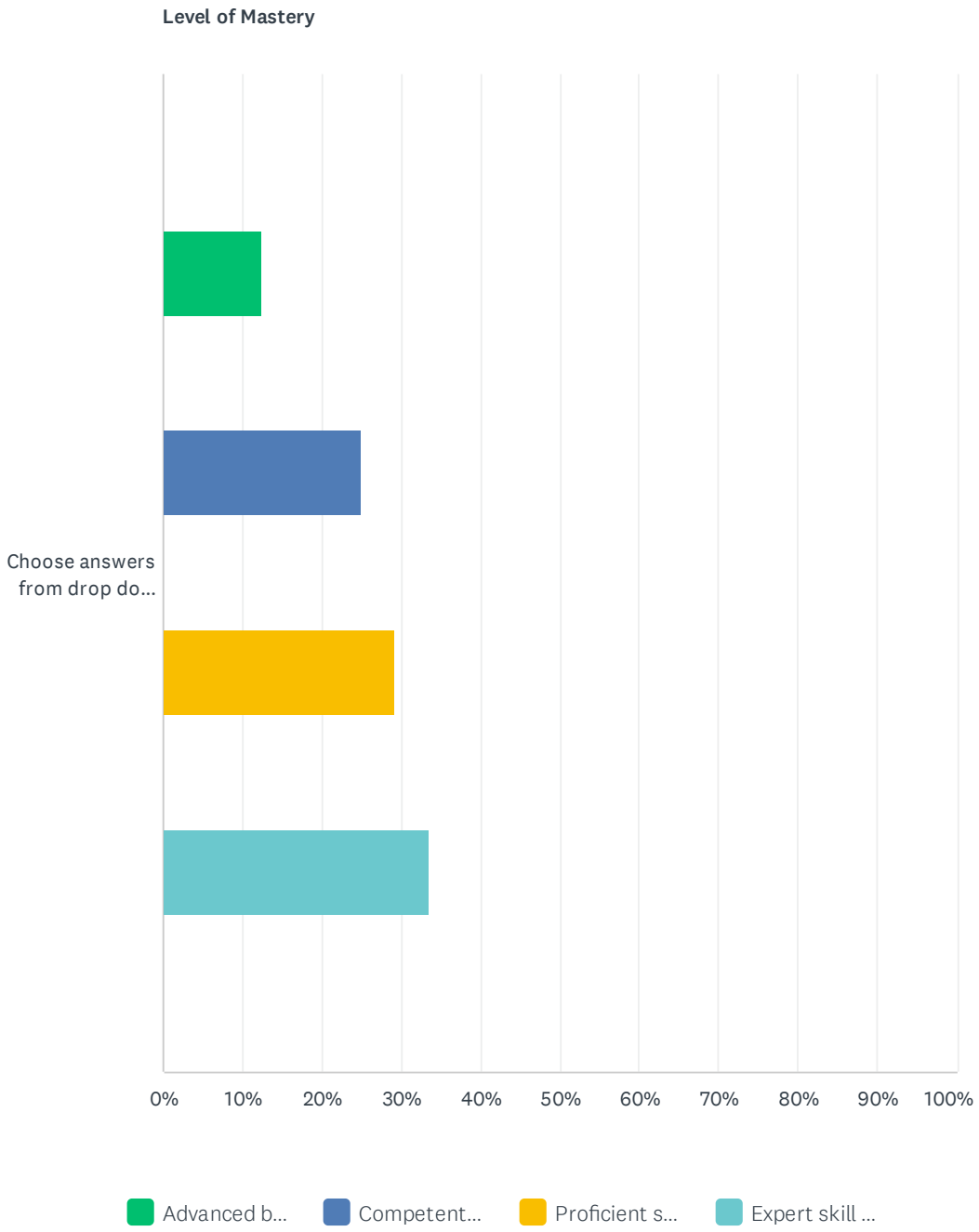


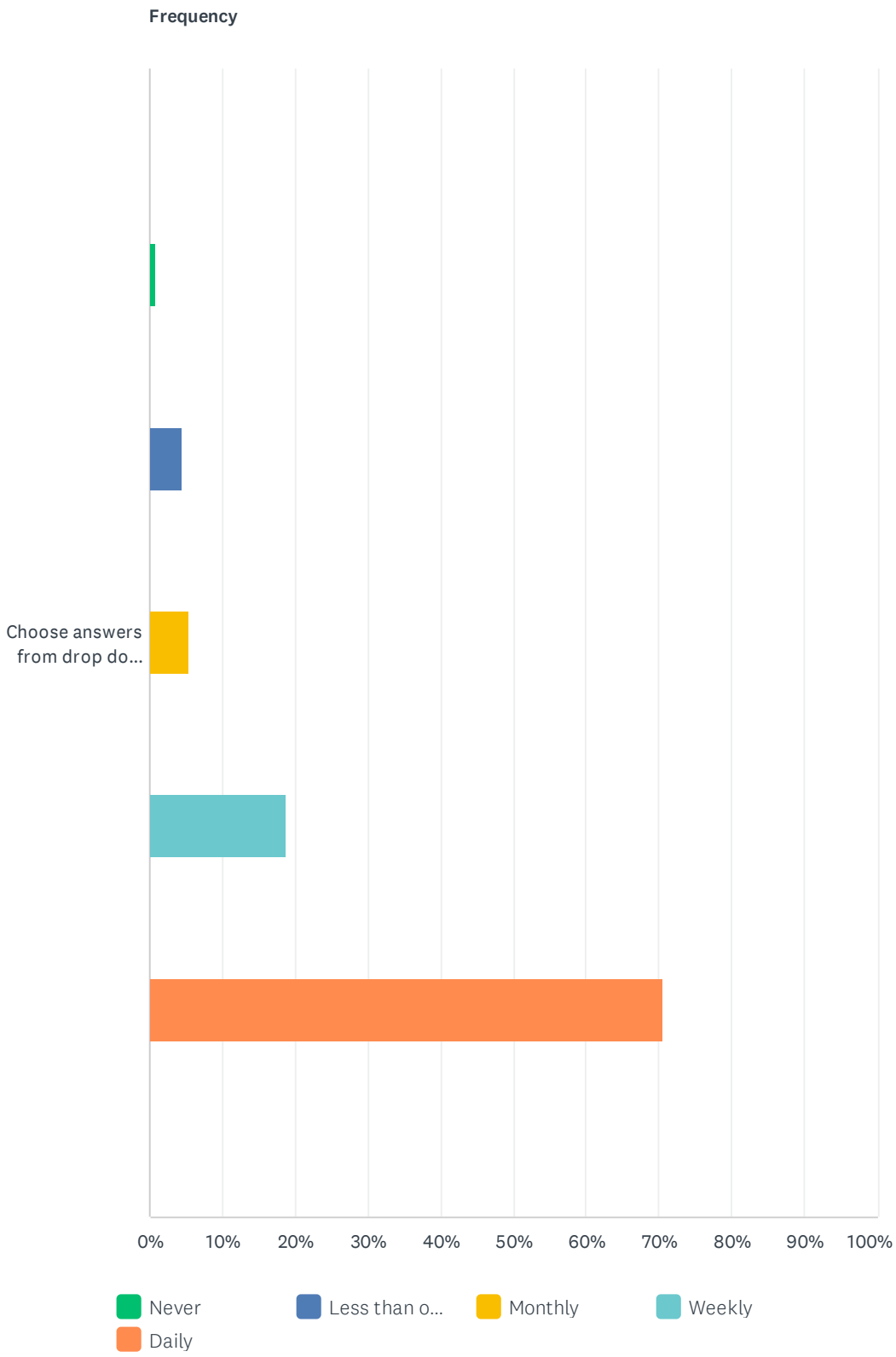

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 13.74%<br>50 | 50.27%<br>183 | 24.73%<br>90 | 6.32%<br>23 | 4.95%<br>18 | 364 |

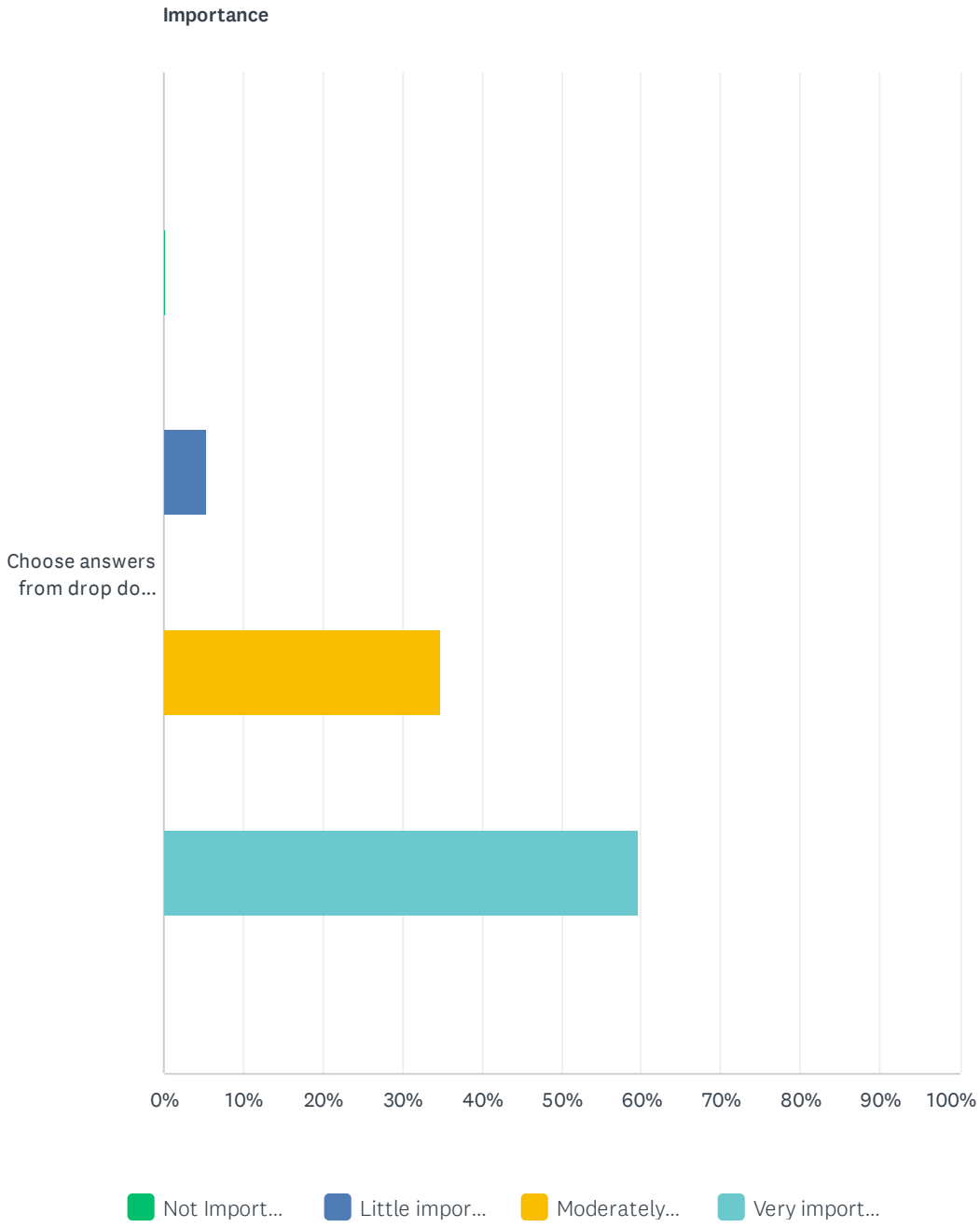
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 3.41%<br>12 | 12.78%<br>45 | 53.13%<br>187 | 30.68%<br>108 | 352 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 12.35%<br>42 | 25.00%<br>85 | 29.12%<br>99 | 33.53%<br>114 | <br>340 |

# Q63 3.1.1.1.1 Current and prior work.

Answered: 332 Skipped: 878

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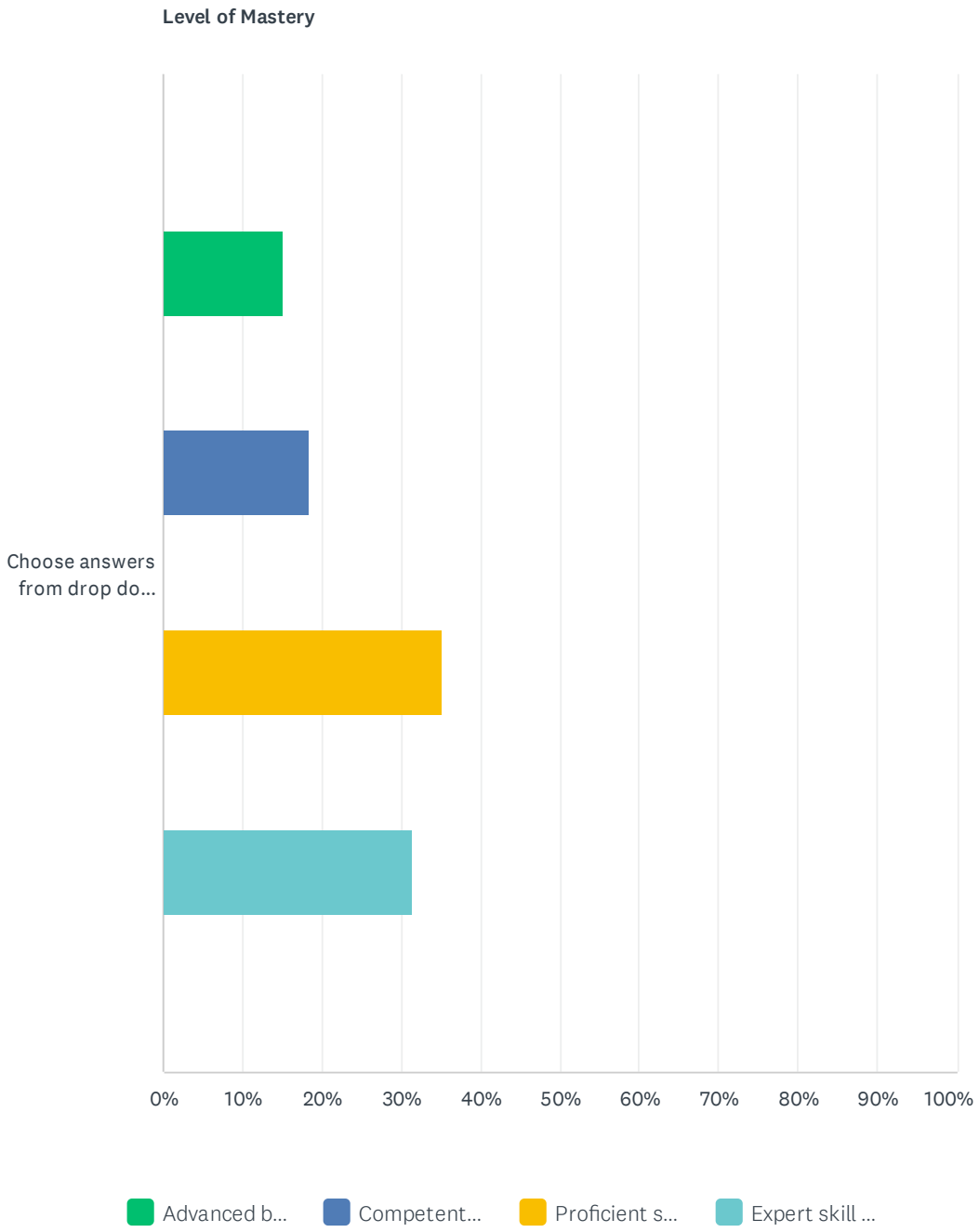


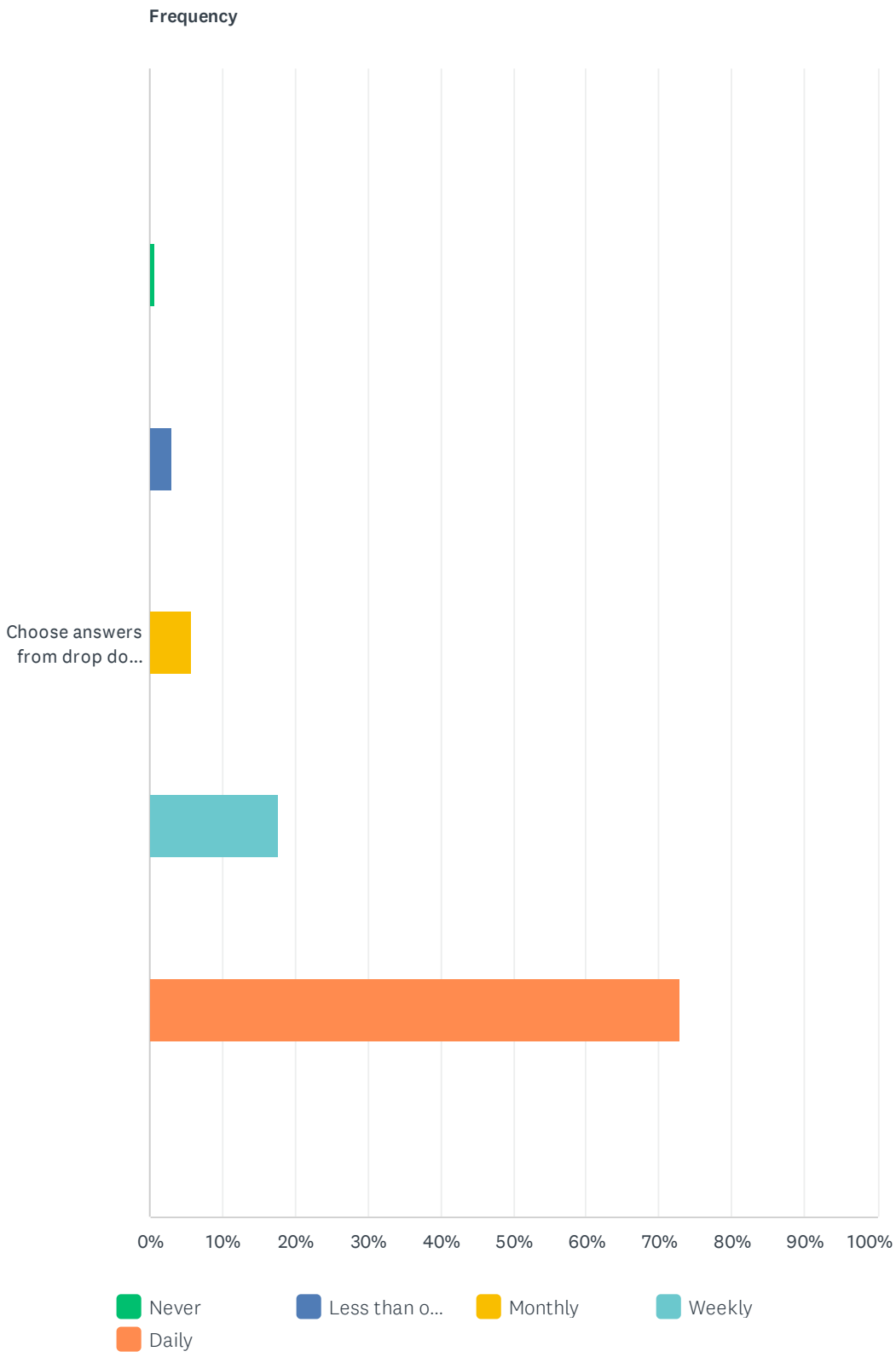

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.90%<br>3 | 4.52%<br>15 | 5.42%<br>18 | 18.67%<br>62 | 70.48%<br>234 | 332 |

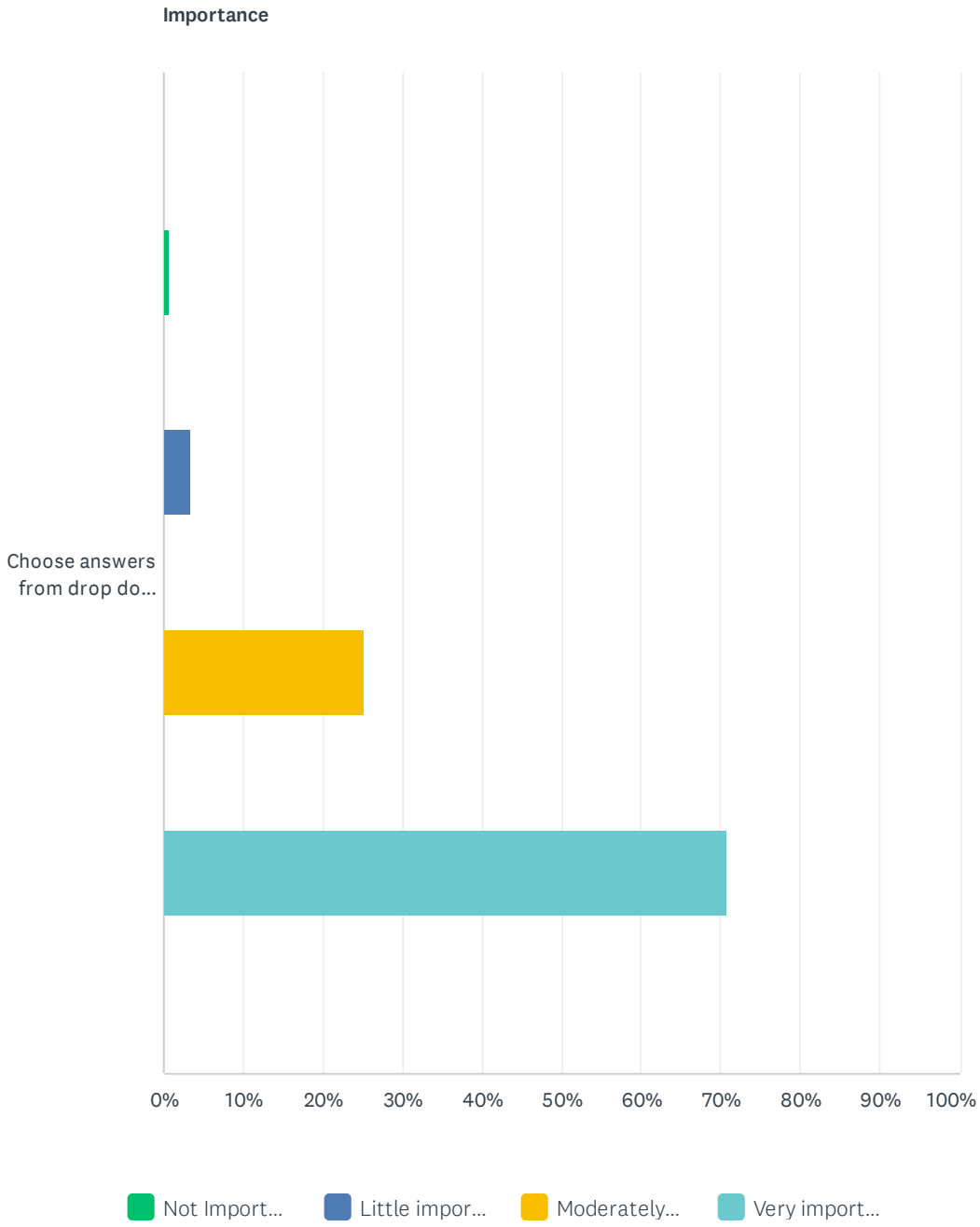
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.31%<br>1 | 5.28%<br>17 | 34.78%<br>112 | 59.63%<br>192 | 322 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 15.06%<br>47 | 18.27%<br>57 | 35.26%<br>110 | 31.41%<br>98 | <br>312 |

# Q64 3.1.1.1.2 Activity requirements/occupational demands.

Answered: 332 Skipped: 878

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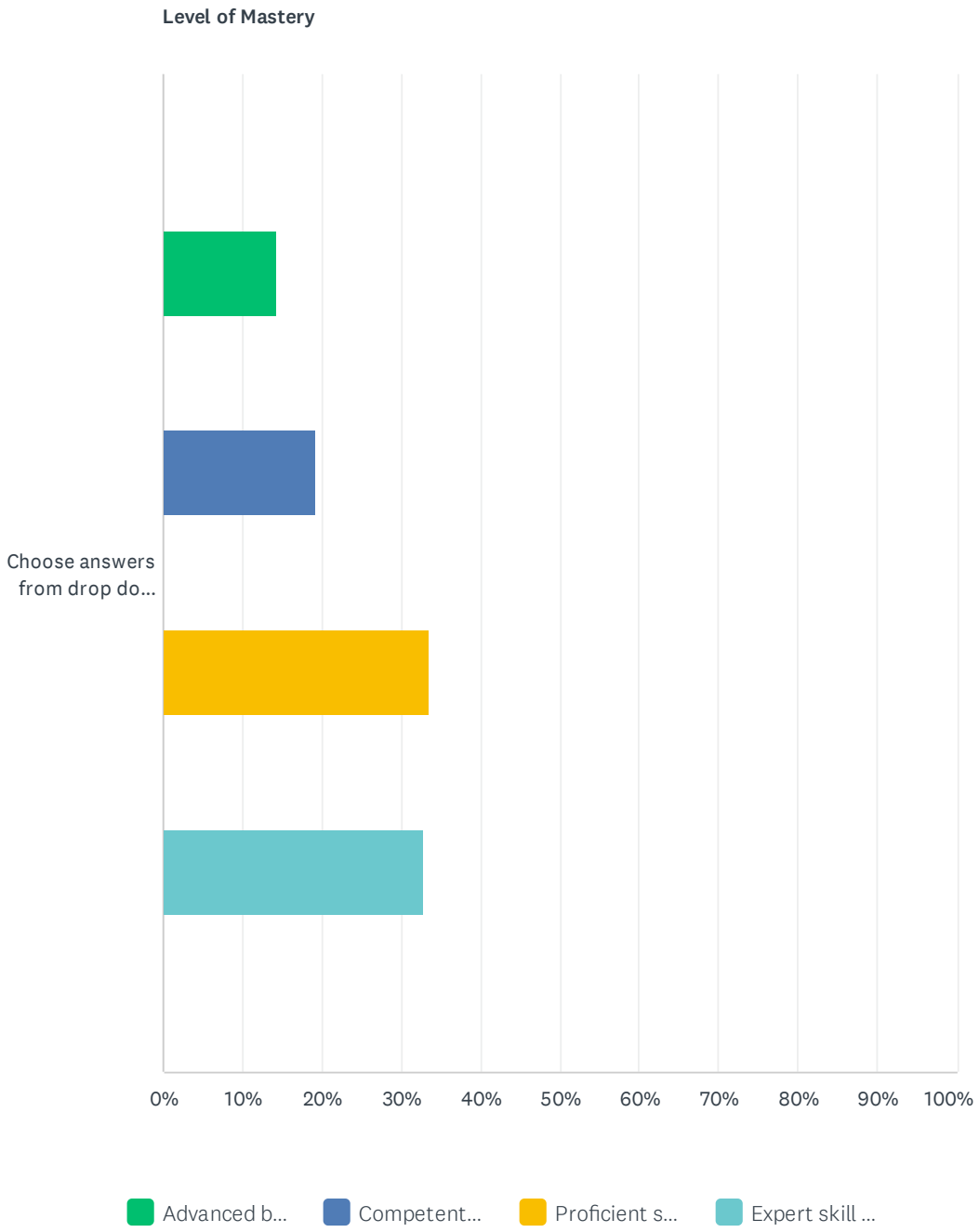


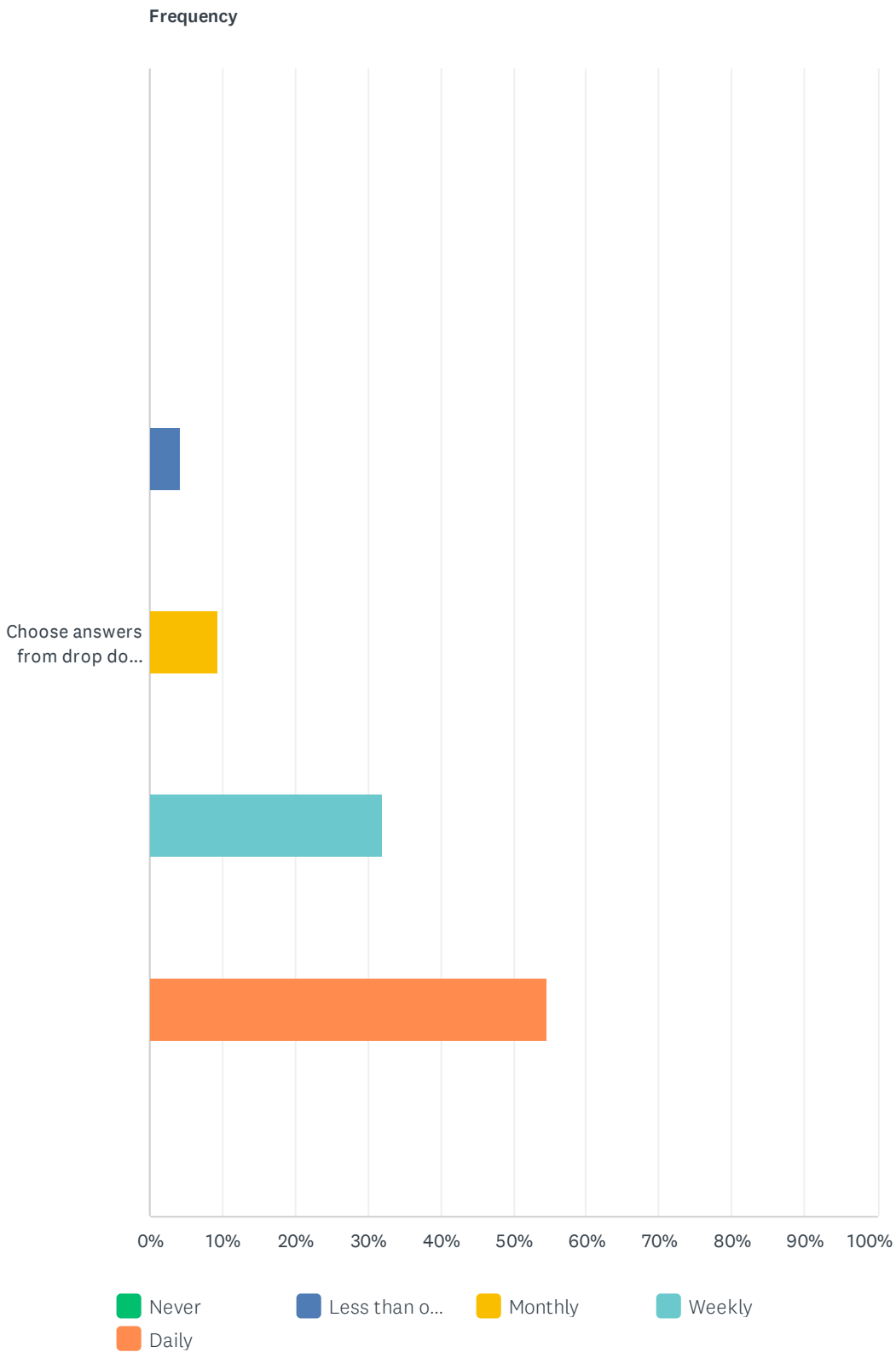

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.60%<br>2 | 3.01%<br>10 | 5.72%<br>19 | 17.77%<br>59 | 72.89%<br>242 | 332 |

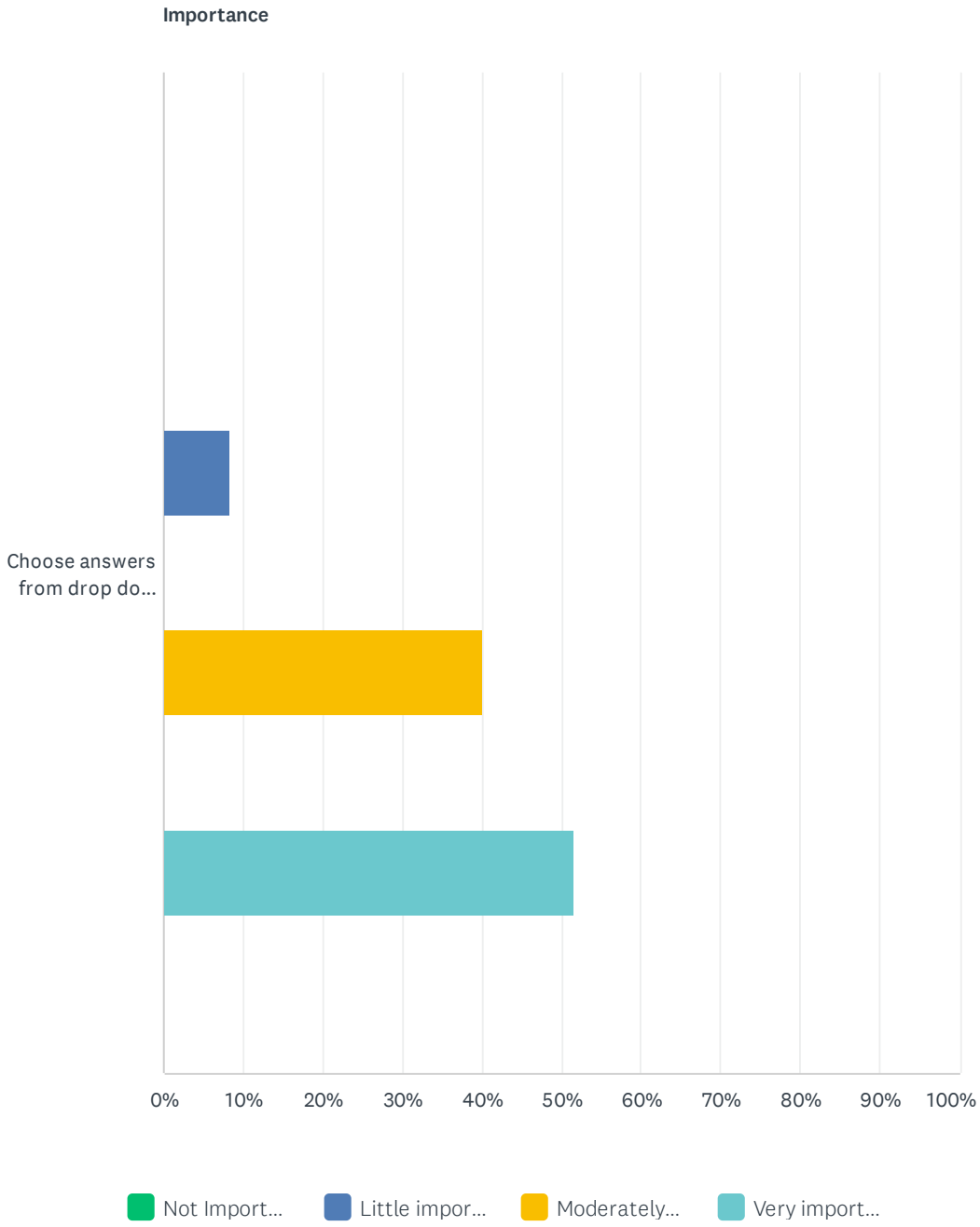
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.62%<br>2 | 3.42%<br>11 | 25.16%<br>81 | 70.81%<br>228 | 322 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 14.38%<br>45 | 19.17%<br>60 | 33.55%<br>105 | 32.91%<br>103 | <br>313 |

# Q65 3.1.1.1.3 Ergonomic considerations.

Answered: 332 Skipped: 878

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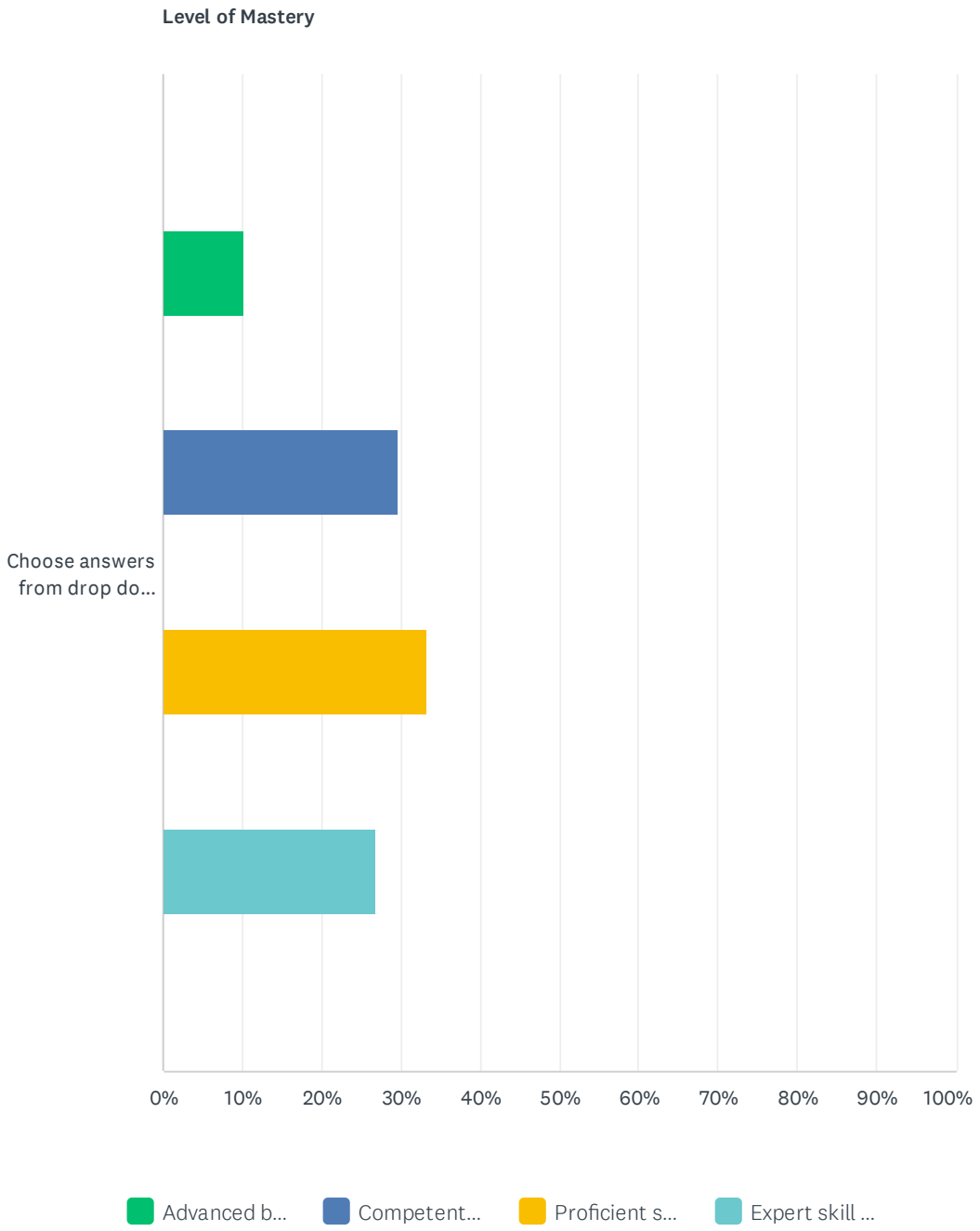


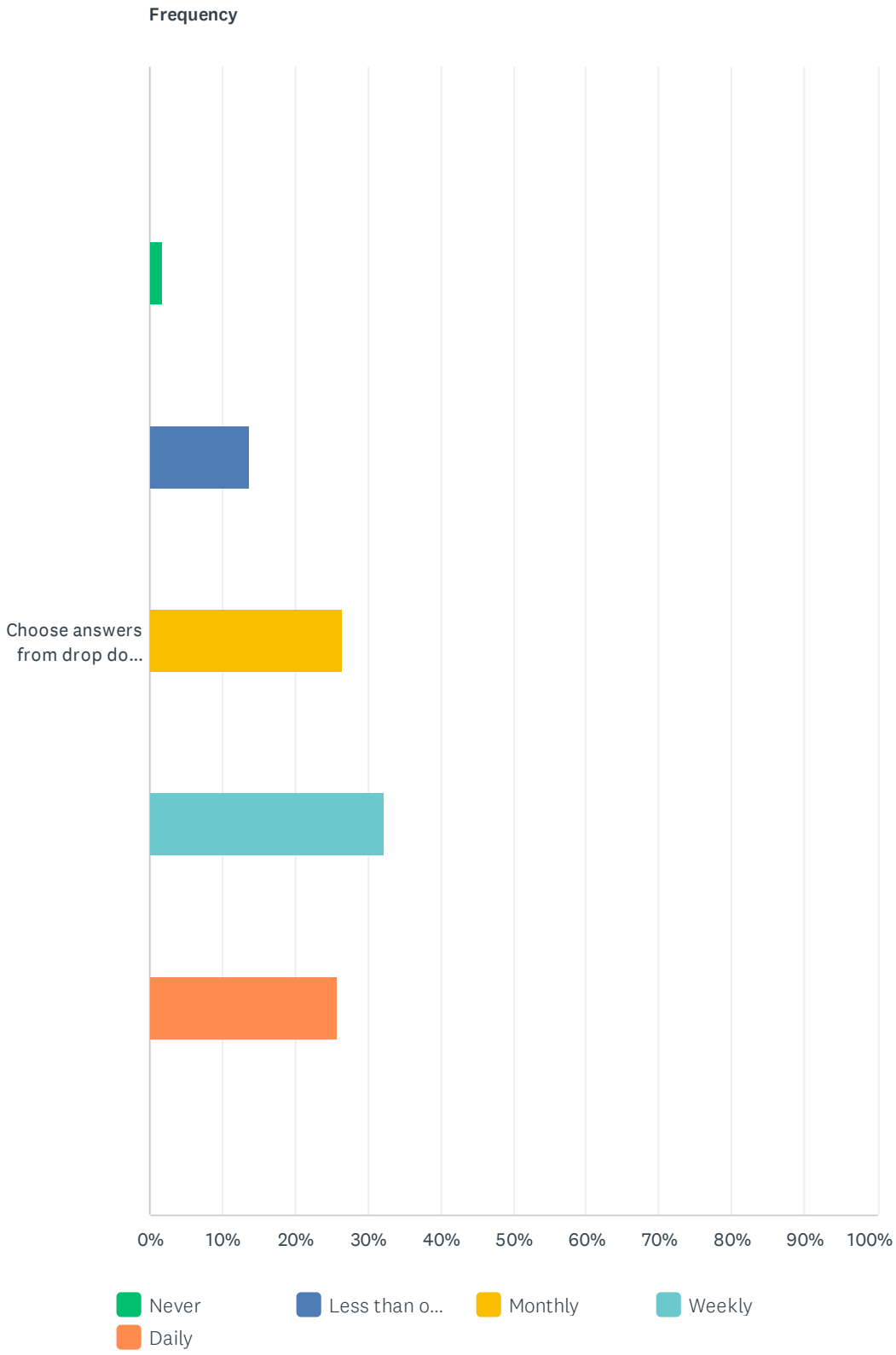

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 4.22%<br>14 | 9.34%<br>31 | 31.93%<br>106 | 54.52%<br>181 | 332 |

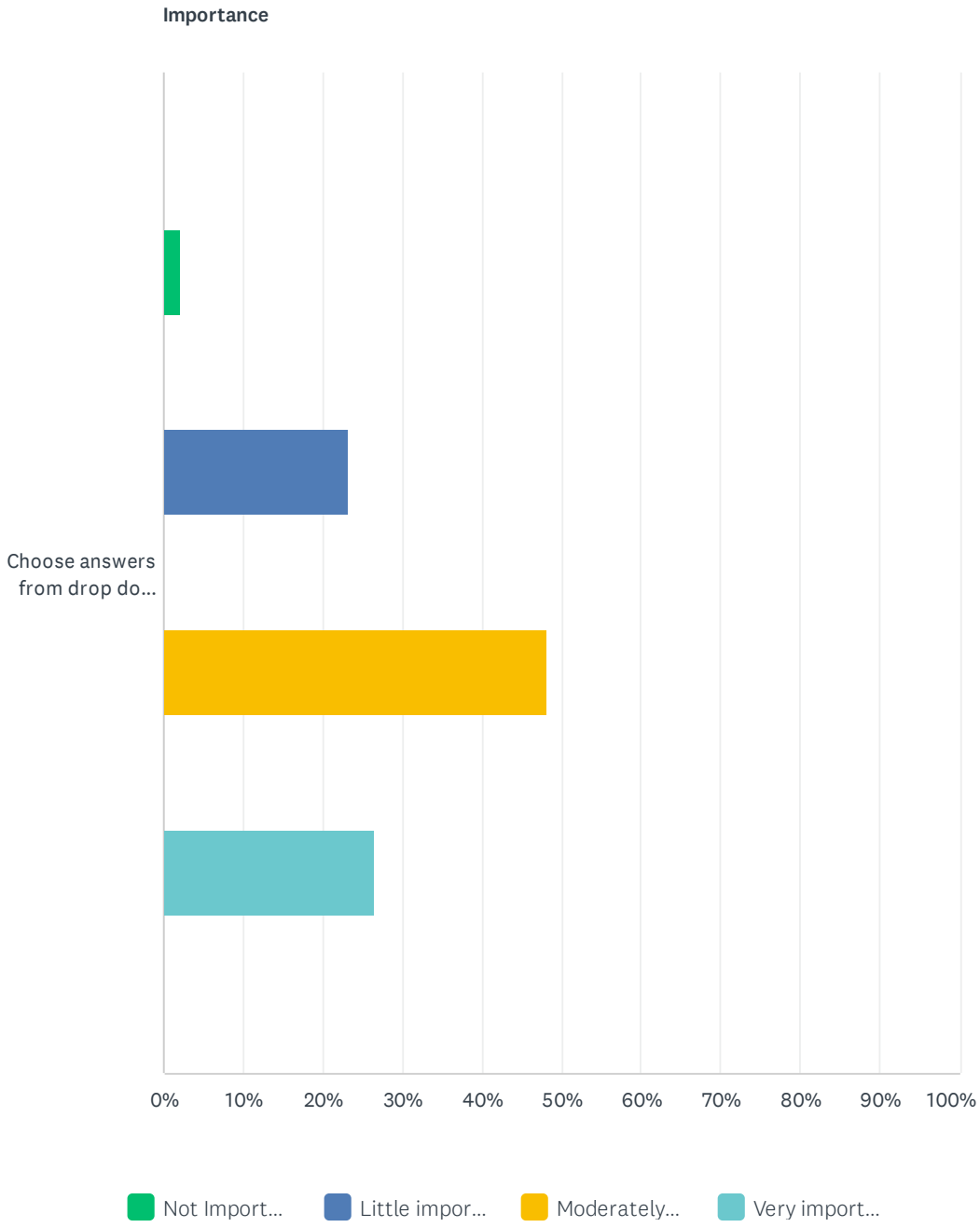
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 8.39%<br>27 | 40.06%<br>129 | 51.55%<br>166 | 322 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 10.22%<br>32 | 29.71%<br>93 | 33.23%<br>104 | 26.84%<br>84 | <br>313 |

# Q66 3.1.1.1.4 Utilization of adaptive and supportive devices (e.g., taping, bracing, assistive devices, orthotics).

Answered: 332 Skipped: 878

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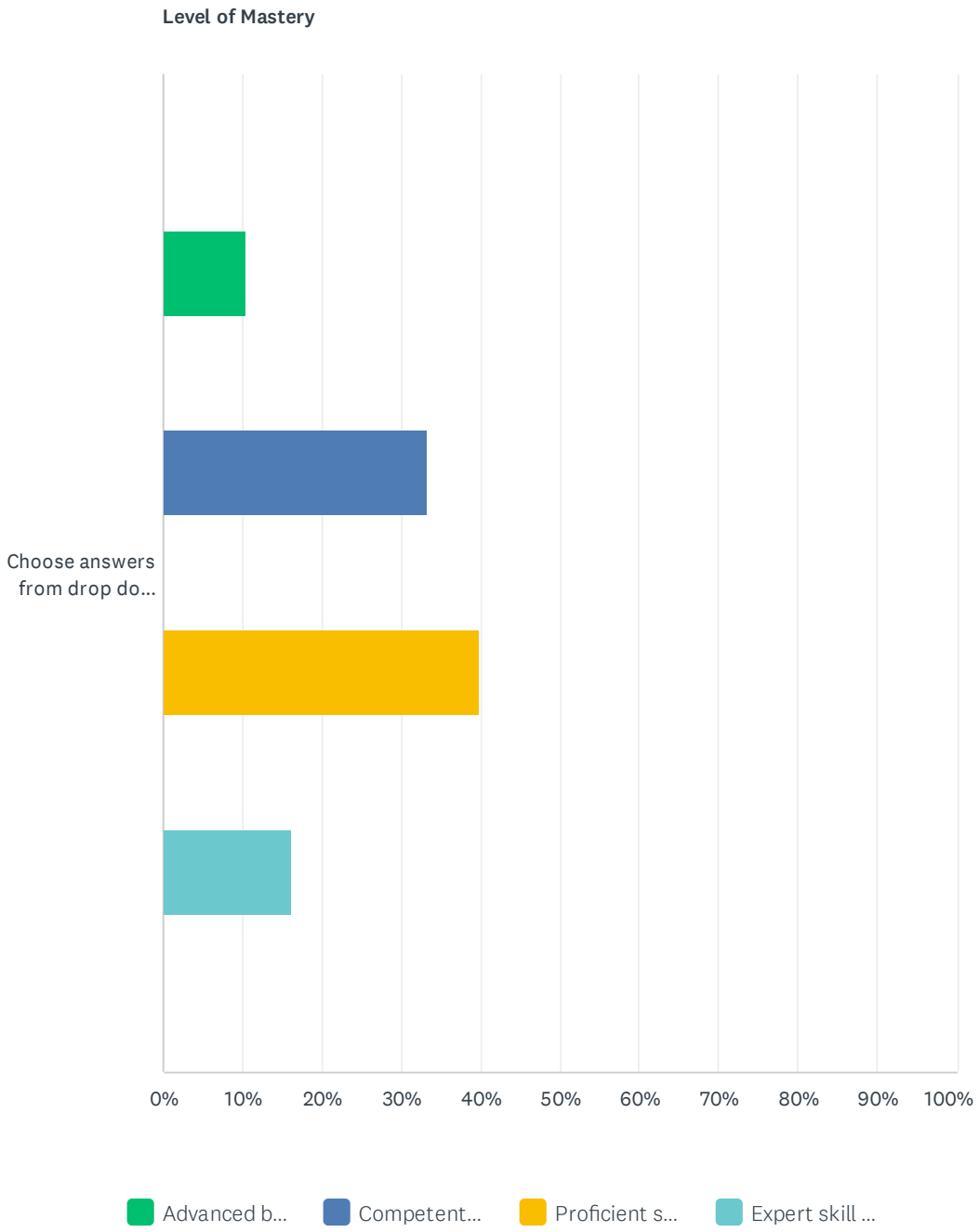


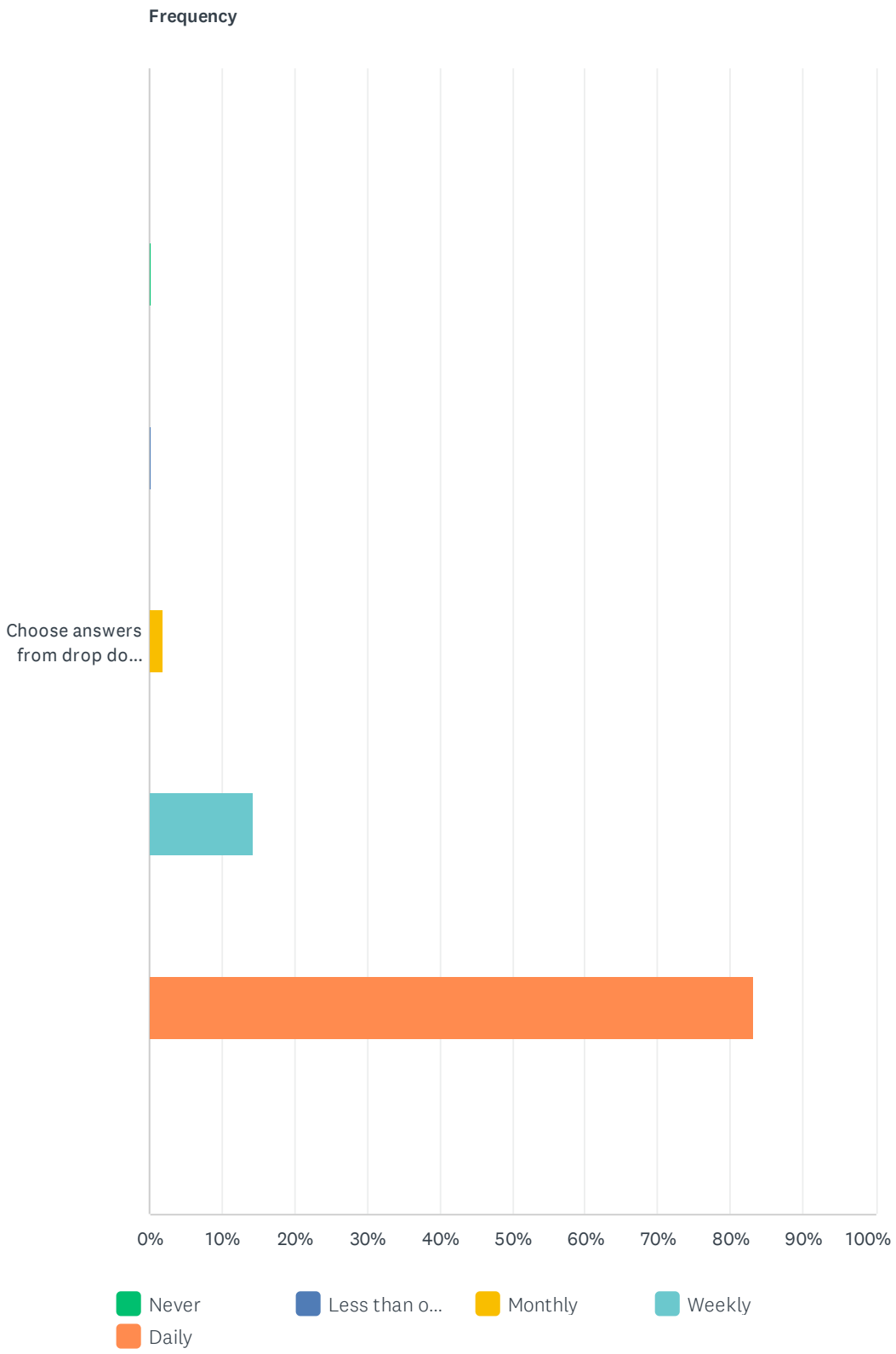

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.81%<br>6 | 13.55%<br>45 | 26.51%<br>88 | 32.23%<br>107 | 25.90%<br>86 | 332 |

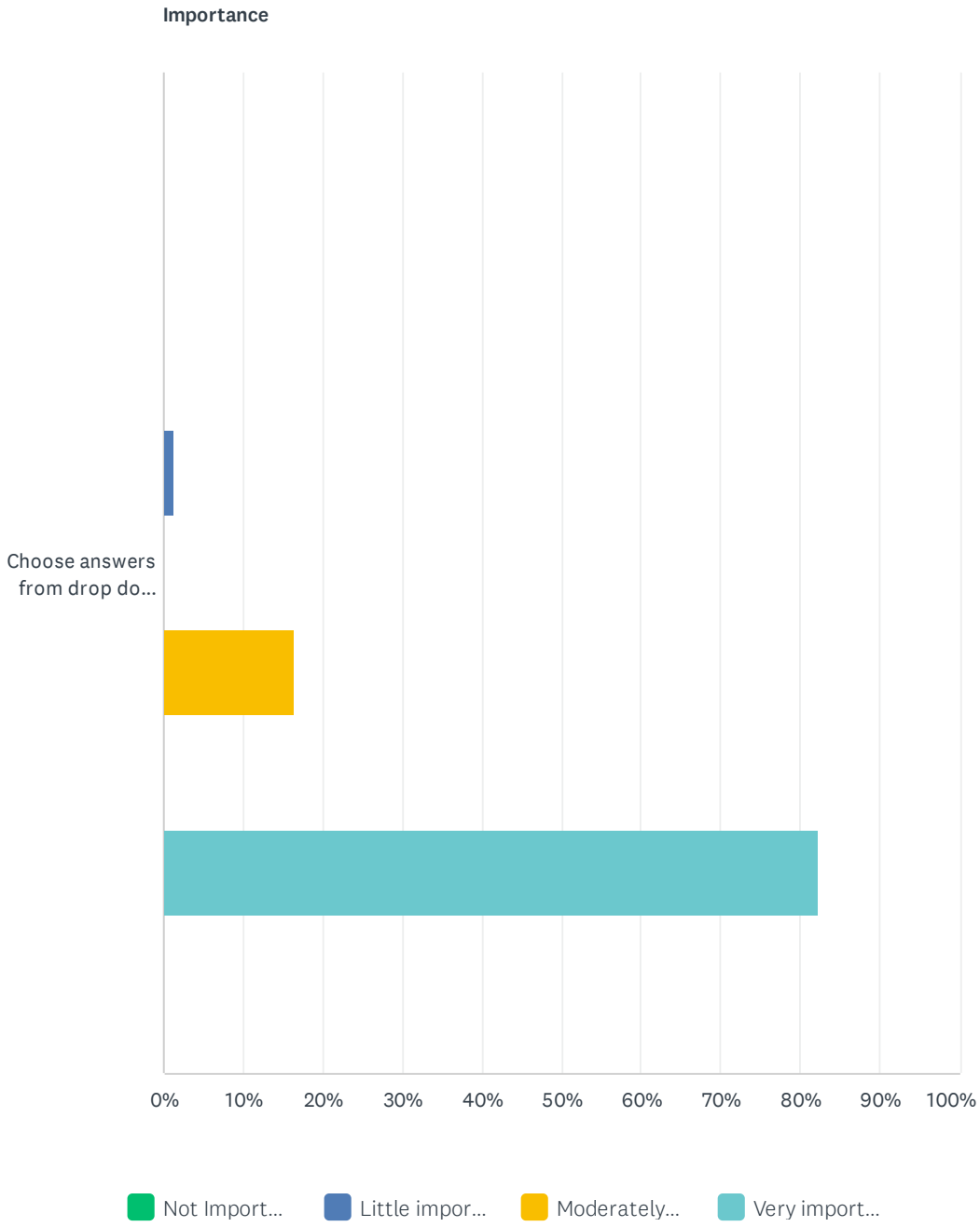
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 2.17%<br>7 | 23.29%<br>75 | 48.14%<br>155 | 26.40%<br>85 | 322 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 10.54%<br>33 | 33.23%<br>104 | 39.94%<br>125 | 16.29%<br>51 | <br>313 |

# Q67 3.1.1.2.1 Recognition of contributions from multiple body regions.

Answered: 327 Skipped: 883

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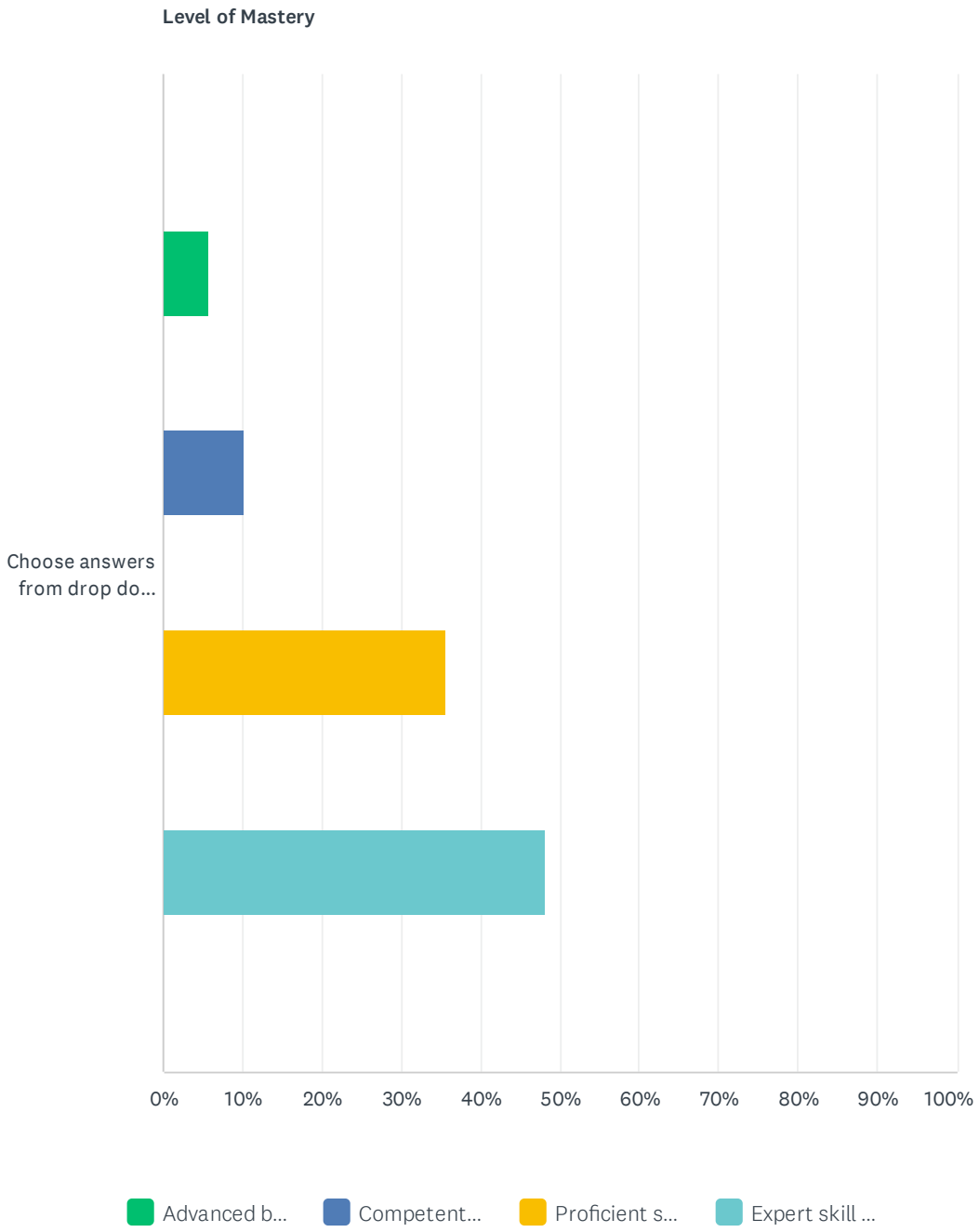


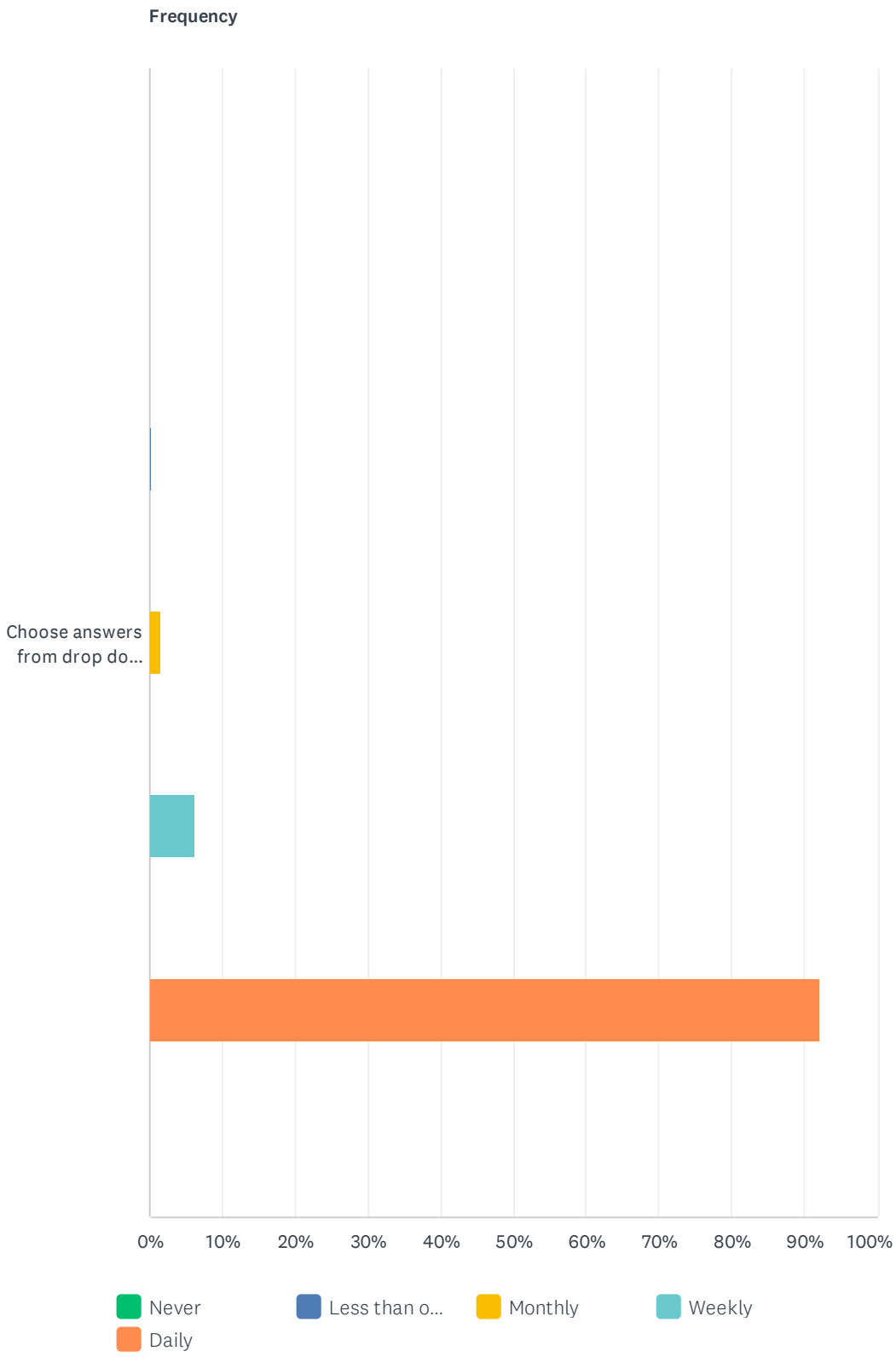

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.31%<br>1 | 0.31%<br>1 | 1.83%<br>6 | 14.37%<br>47 | 83.18%<br>272 | 327 |

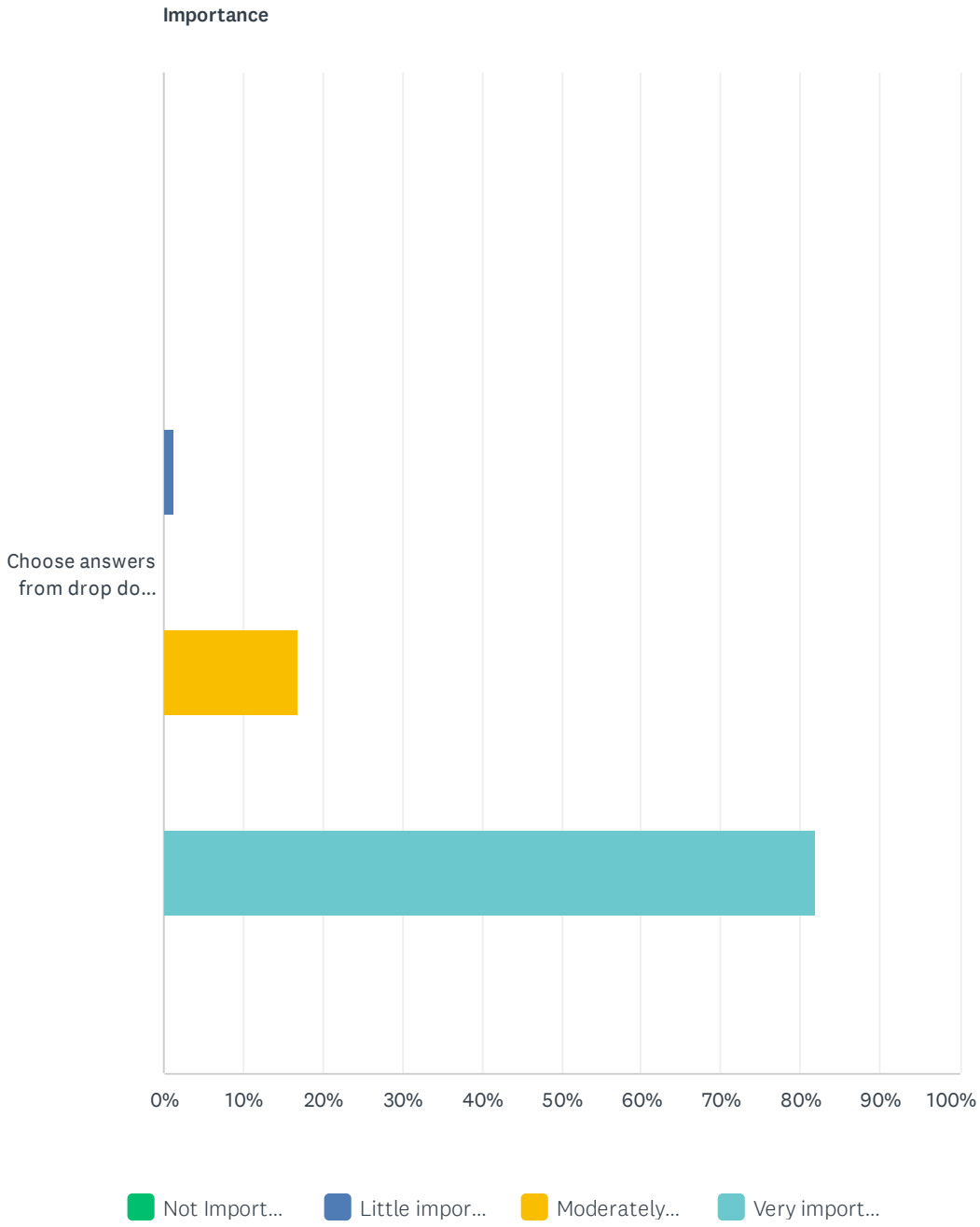
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.26%<br>4 | 16.35%<br>52 | 82.39%<br>262 | 318 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 5.79%<br>18 | 10.29%<br>32 | 35.69%<br>111 | 48.23%<br>150 | <br>311 |

# Q68 3.1.1.2.2 Quality and behavior of symptoms.

Answered: 327 Skipped: 883

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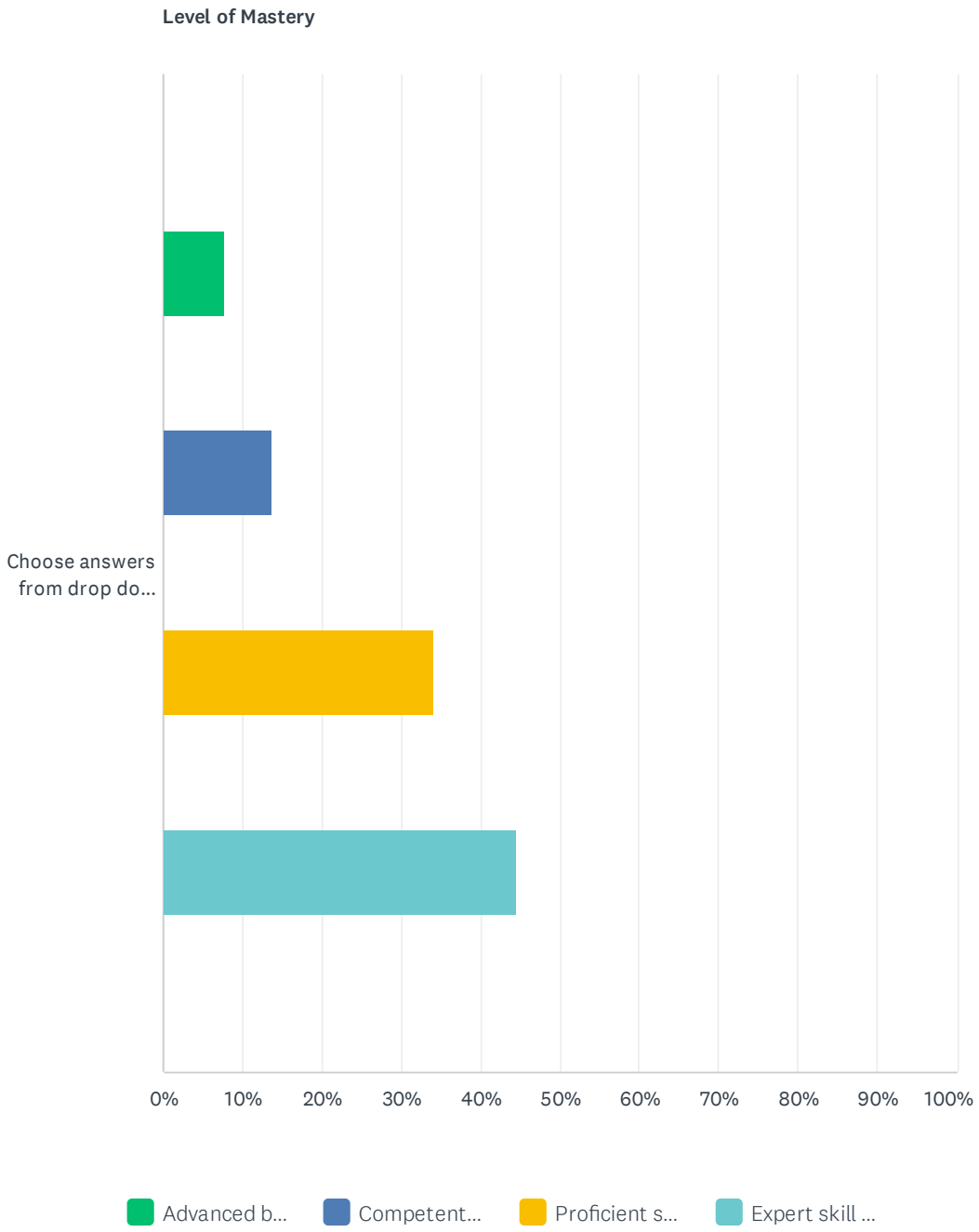


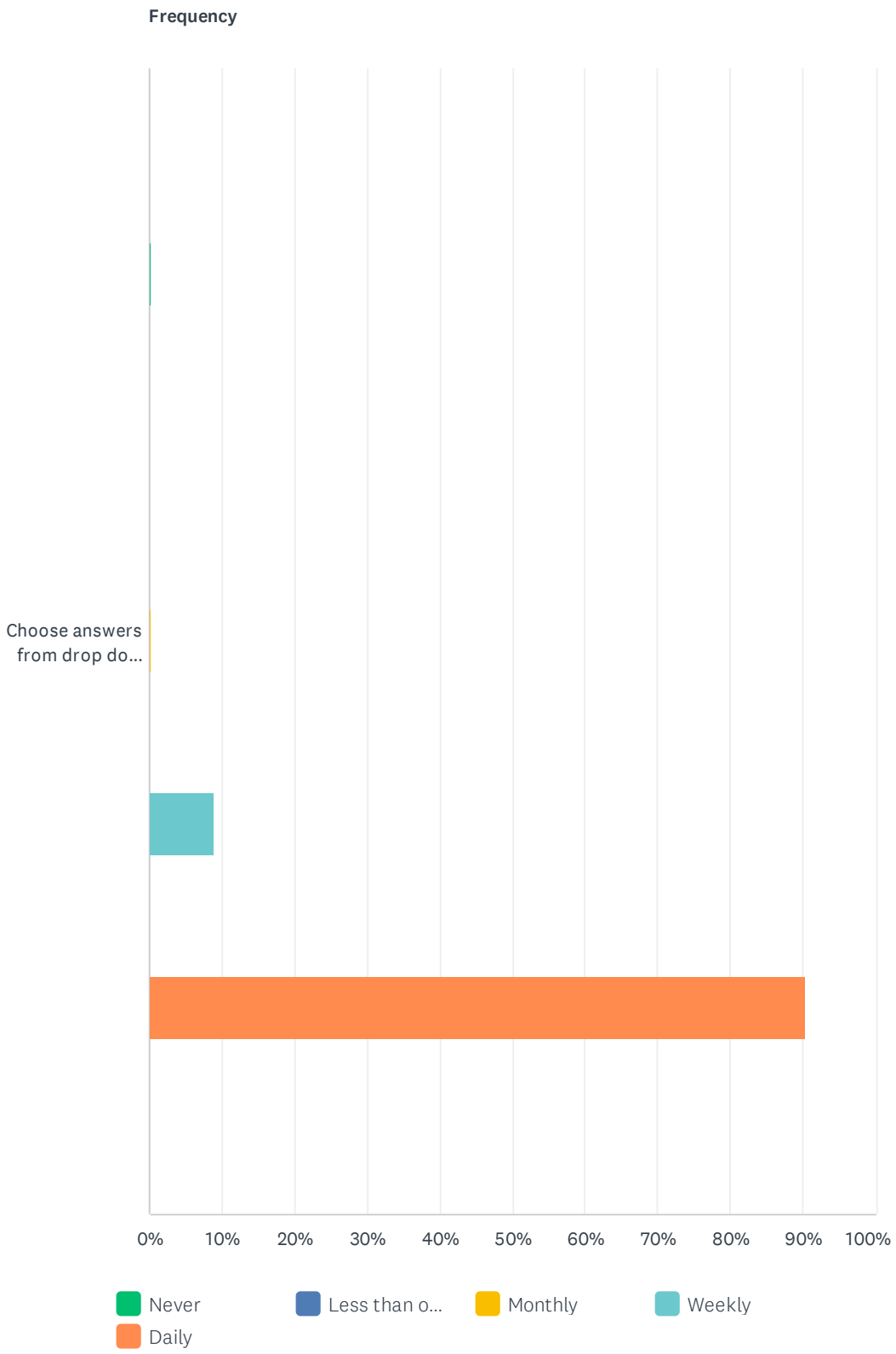

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.31%<br>1 | 1.53%<br>5 | 6.13%<br>20 | 92.02%<br>300 | 326 |

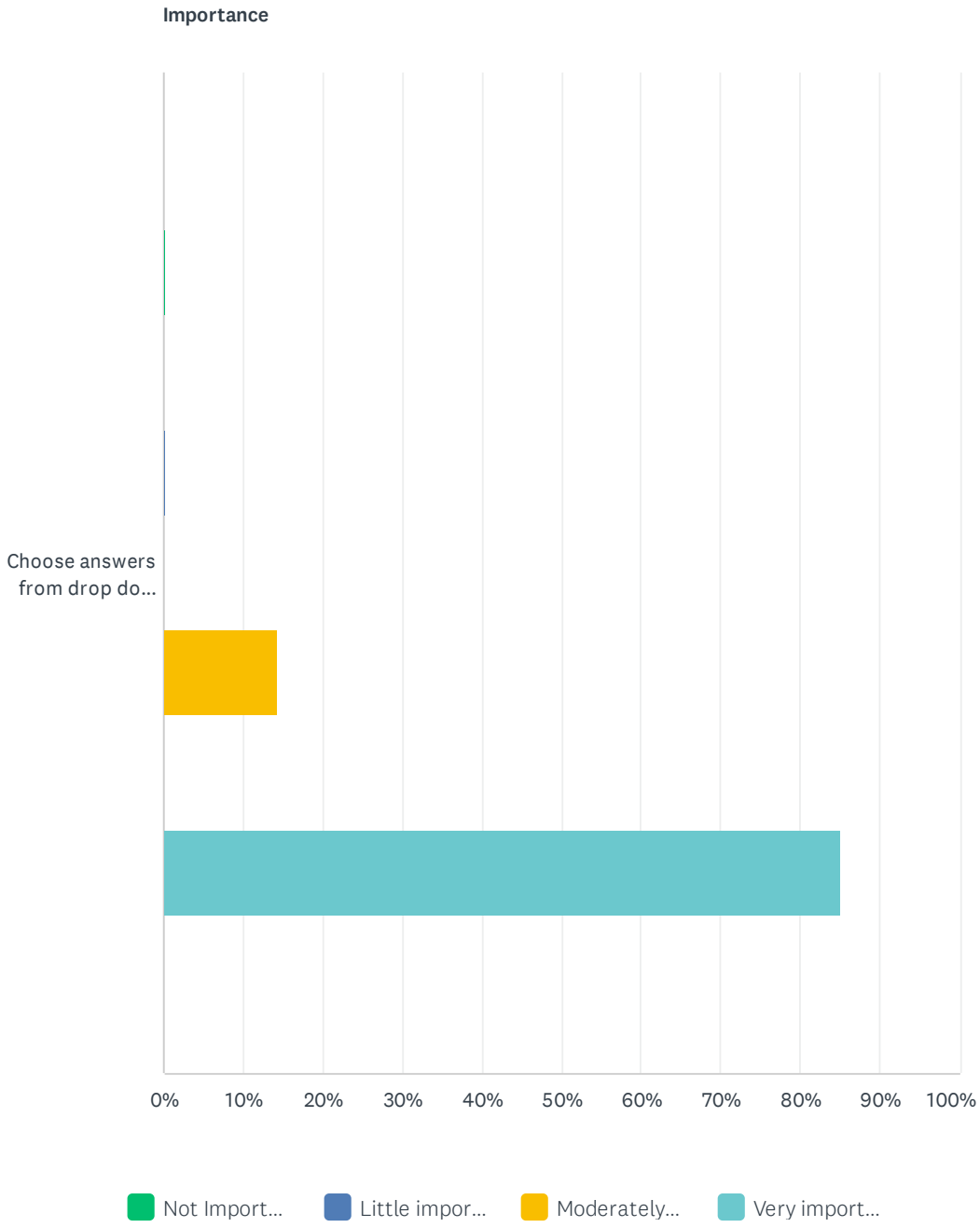
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.27%<br>4 | 16.77%<br>53 | 81.96%<br>259 | 316 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 7.74%<br>24 | 13.55%<br>42 | 34.19%<br>106 | 44.52%<br>138 | <br>310 |

# Q69 3.1.1.2.3 Symptom irritability (onset, offset, and overall baseline).

Answered: 326 Skipped: 884

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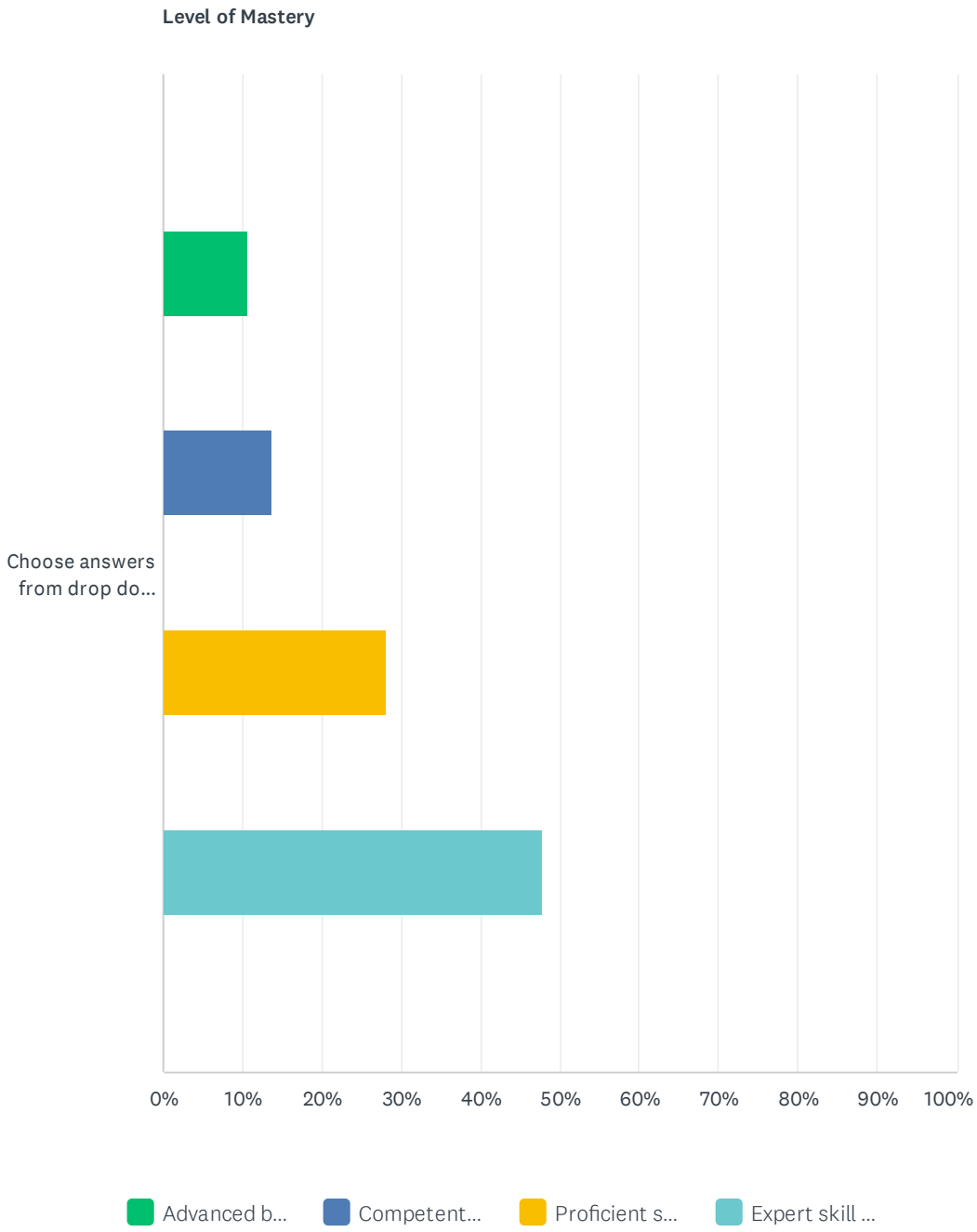


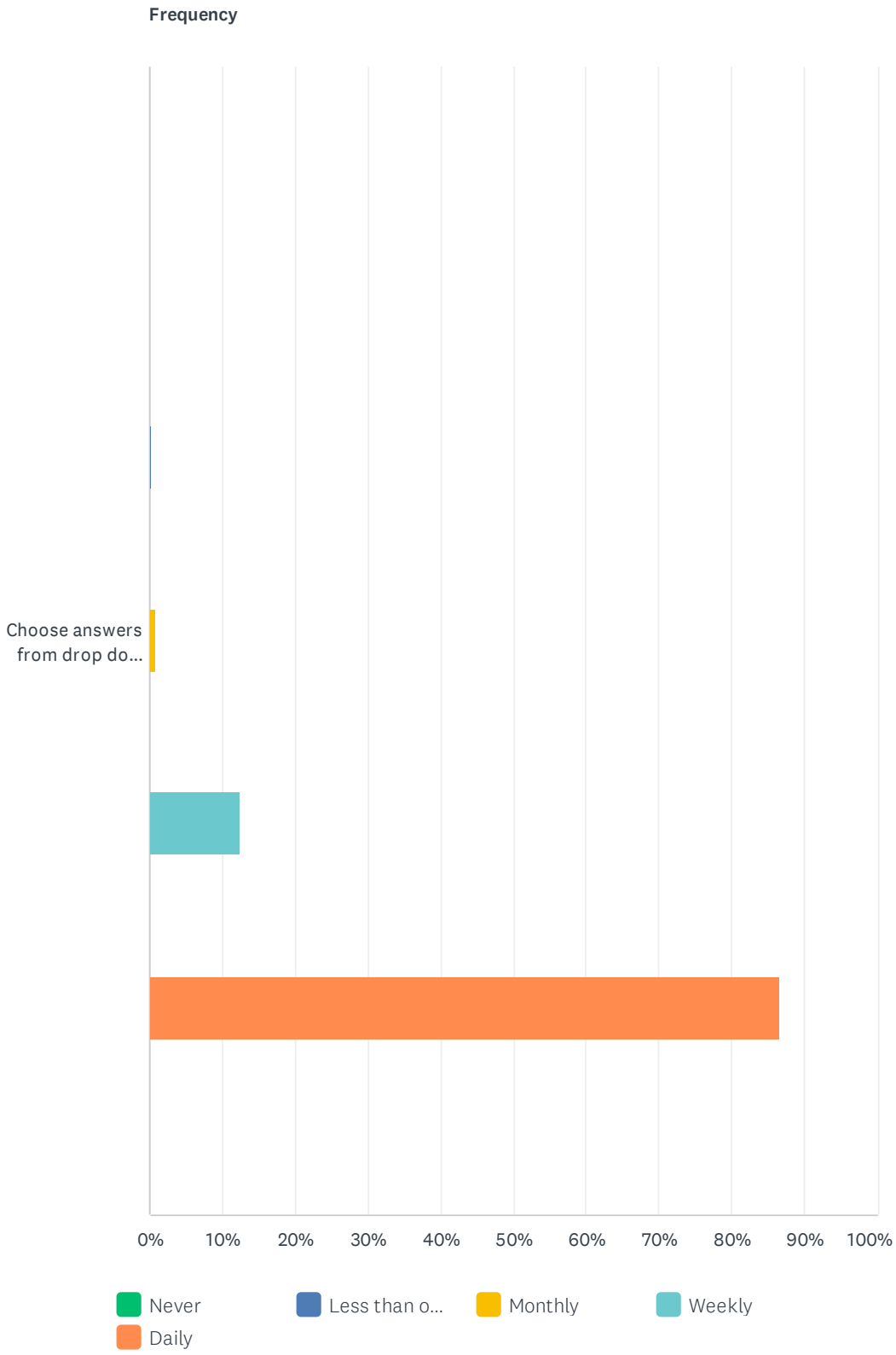

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.31%<br>1 | 0.00%<br>0 | 0.31%<br>1 | 8.90%<br>29 | 90.49%<br>295 | 326 |

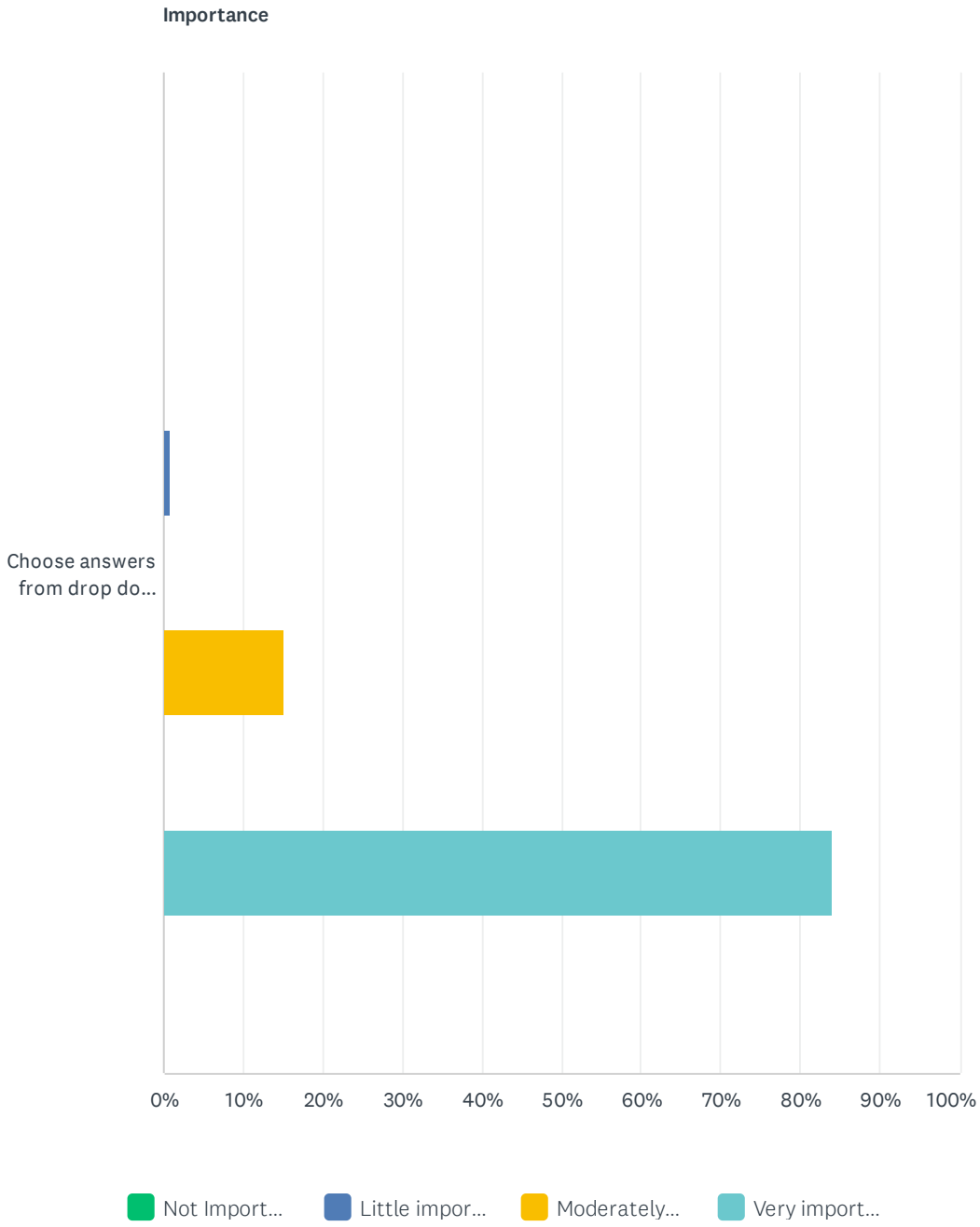
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.32%<br>1 | 0.32%<br>1 | 14.24%<br>45 | 85.13%<br>269 | 316 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 10.65%<br>33 | 13.55%<br>42 | 28.06%<br>87 | 47.74%<br>148 | <br>310 |

# Q70 3.1.1.2.4 Onset of condition (e.g., mechanism of injury, insidious onset, potential contributing factors).

Answered: 326 Skipped: 884

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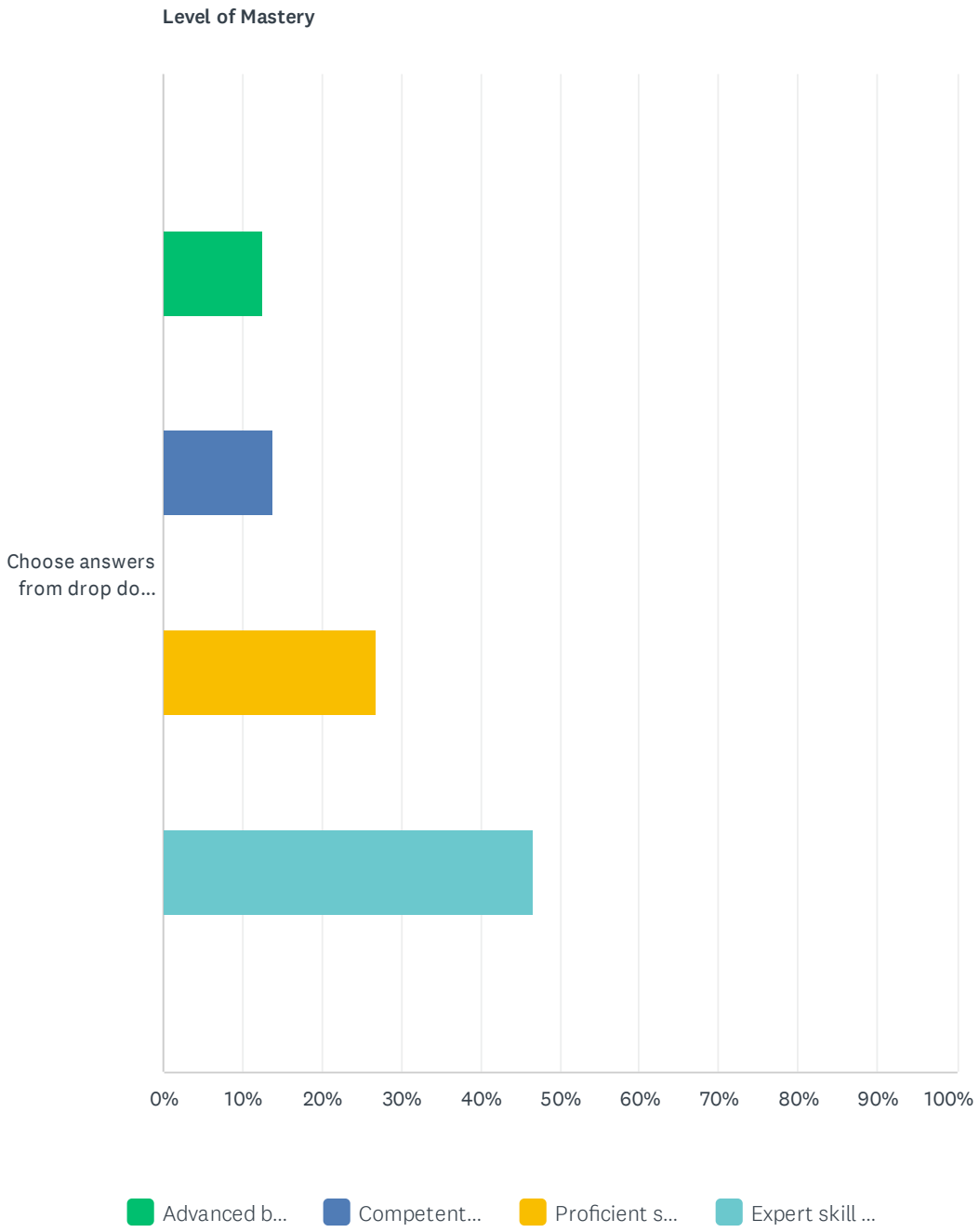


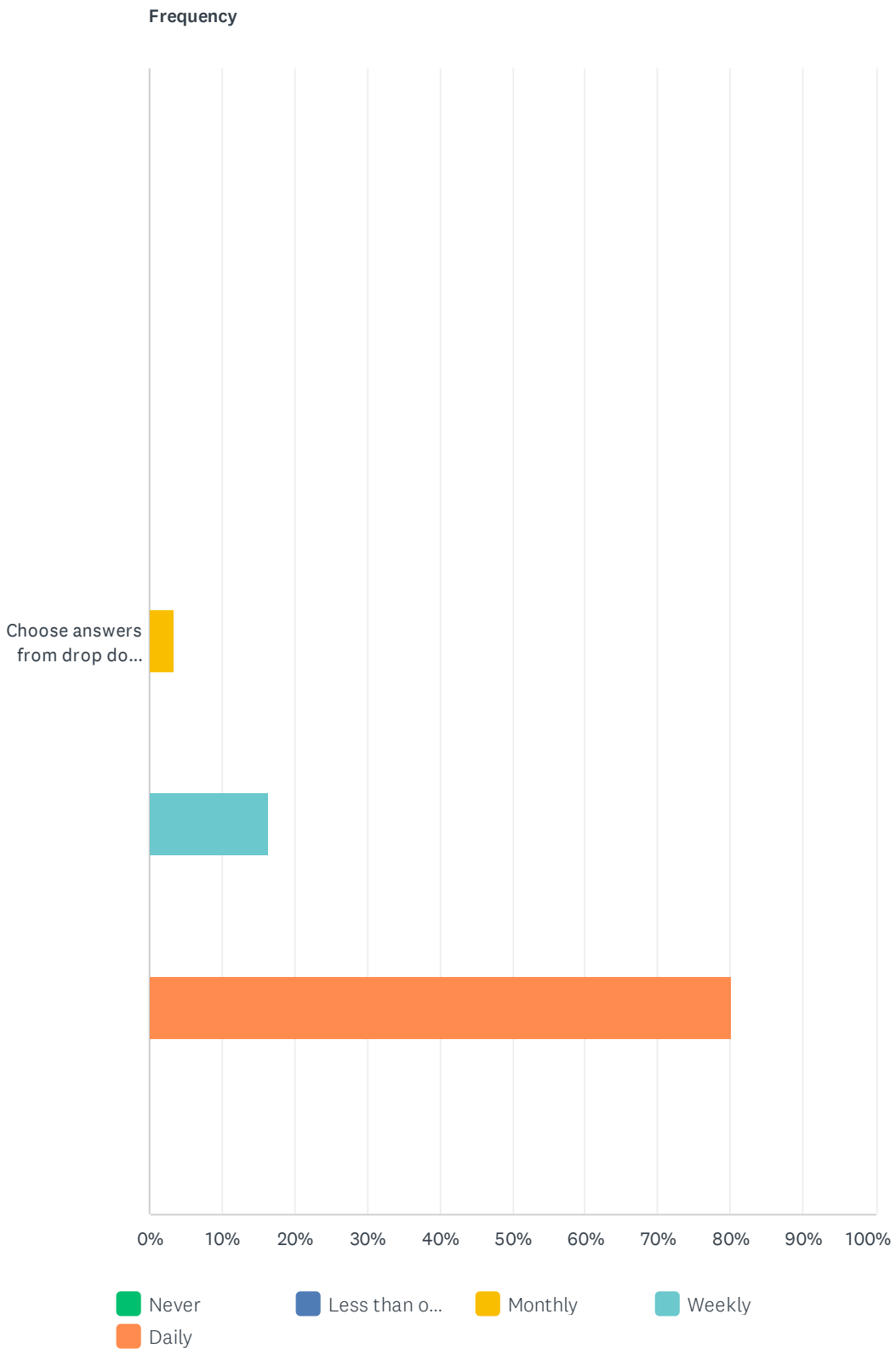

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.31%<br>1 | 0.92%<br>3 | 12.31%<br>40 | 86.46%<br>281 | 325 |

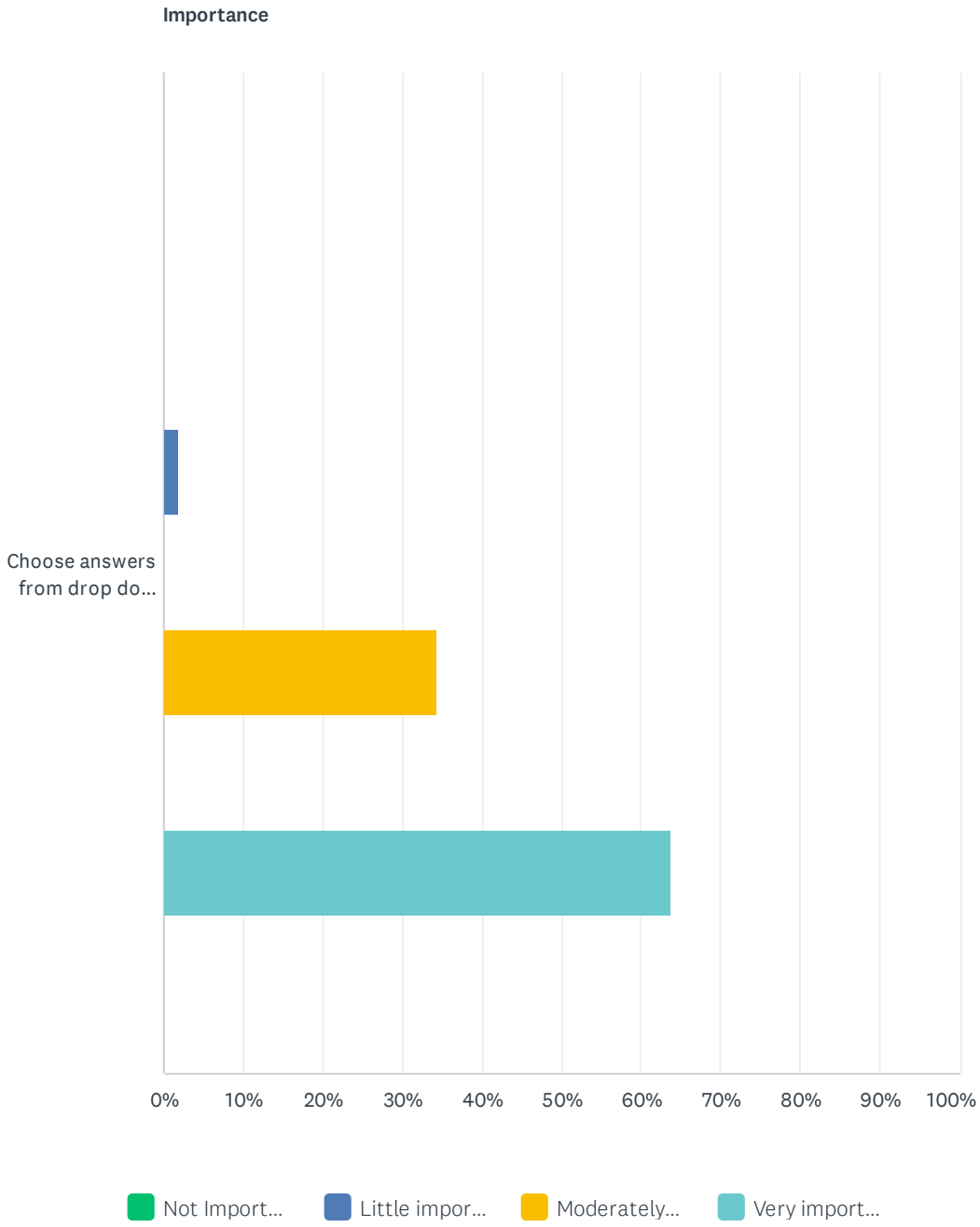
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.95%<br>3 | 15.14%<br>48 | 83.91%<br>266 | 317 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 12.62%<br>39 | 13.92%<br>43 | 26.86%<br>83 | 46.60%<br>144 | <br>309 |

# Q71 3.1.1.2.5 Current and previous therapeutic interventions.

Answered: 327 Skipped: 883

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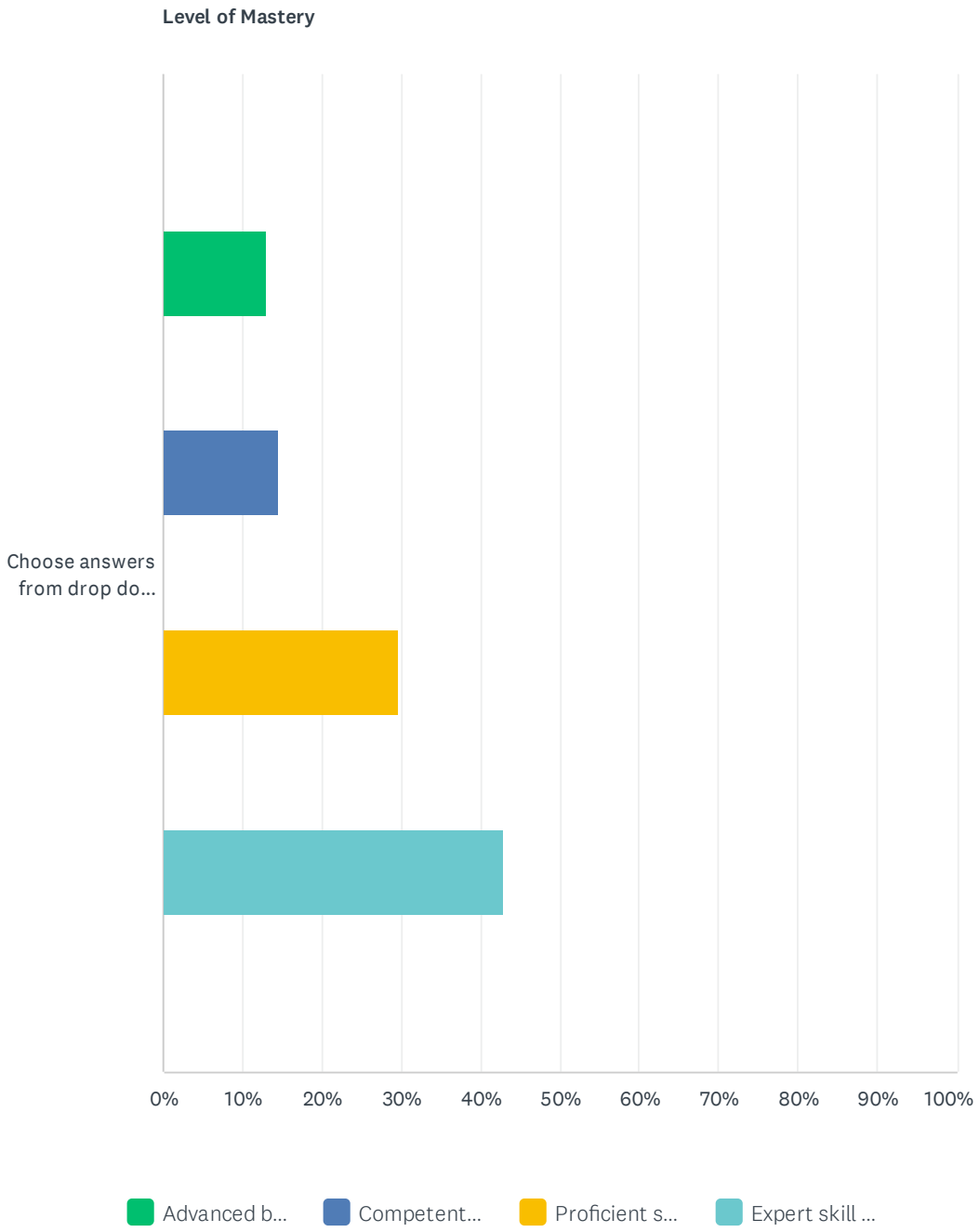


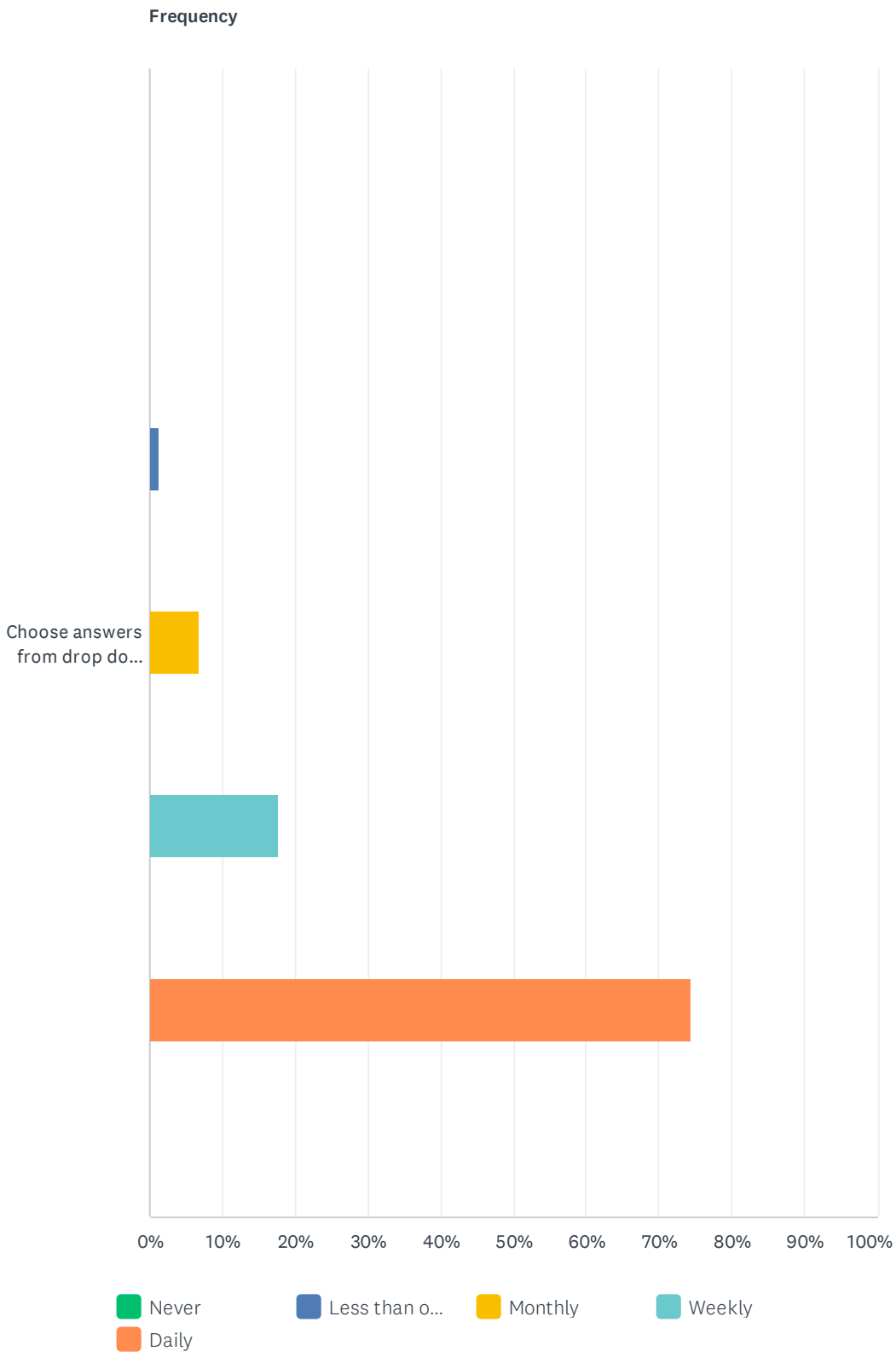

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 3.36%<br>11 | 16.51%<br>54 | 80.12%<br>262 | 327 |

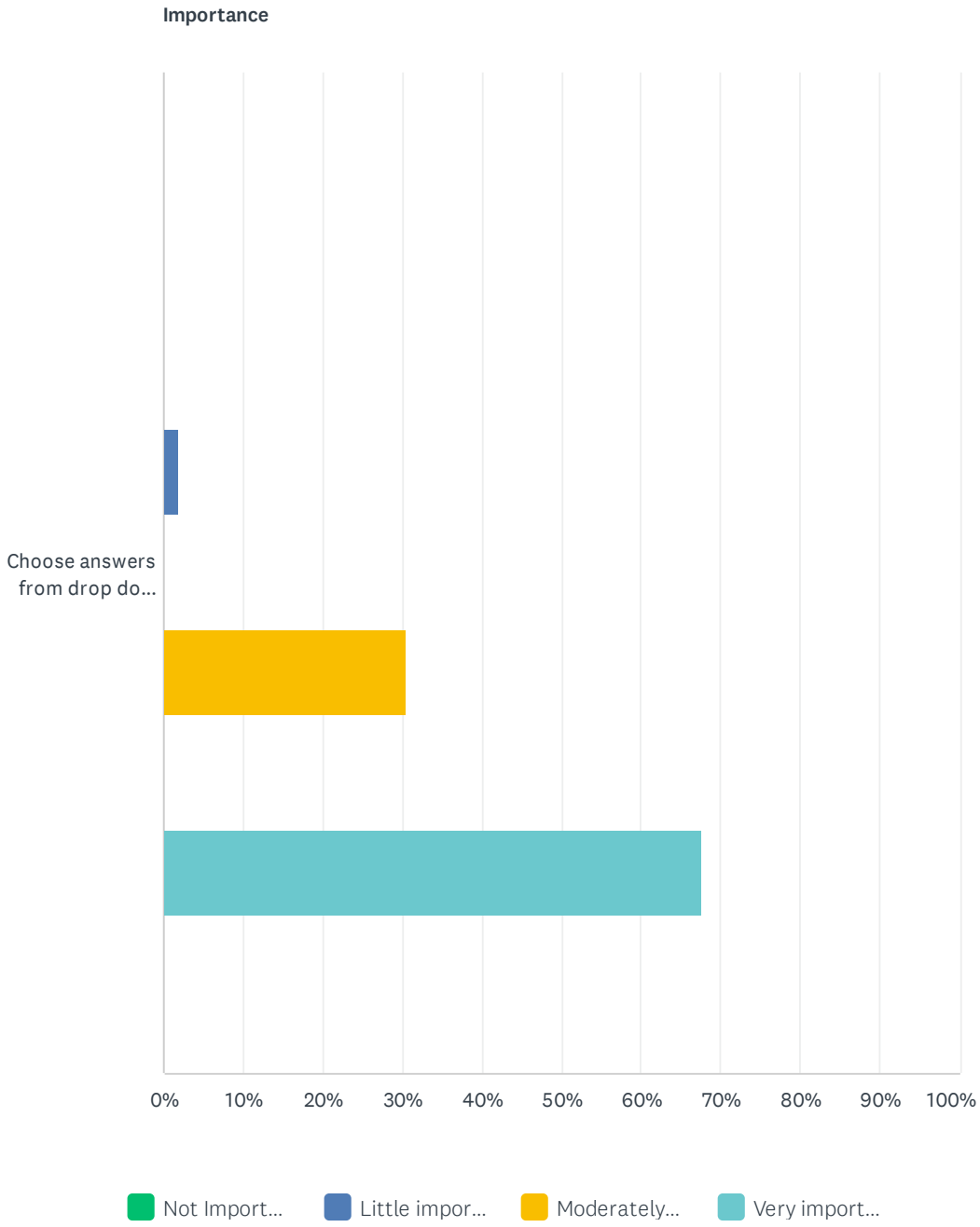
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.89%<br>6 | 34.38%<br>109 | 63.72%<br>202 | 317 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 12.90%<br>40 | 14.52%<br>45 | 29.68%<br>92 | 42.90%<br>133 | <br>310 |

# Q72 3.1.1.2.6 Readiness for change.

Answered: 327 Skipped: 883

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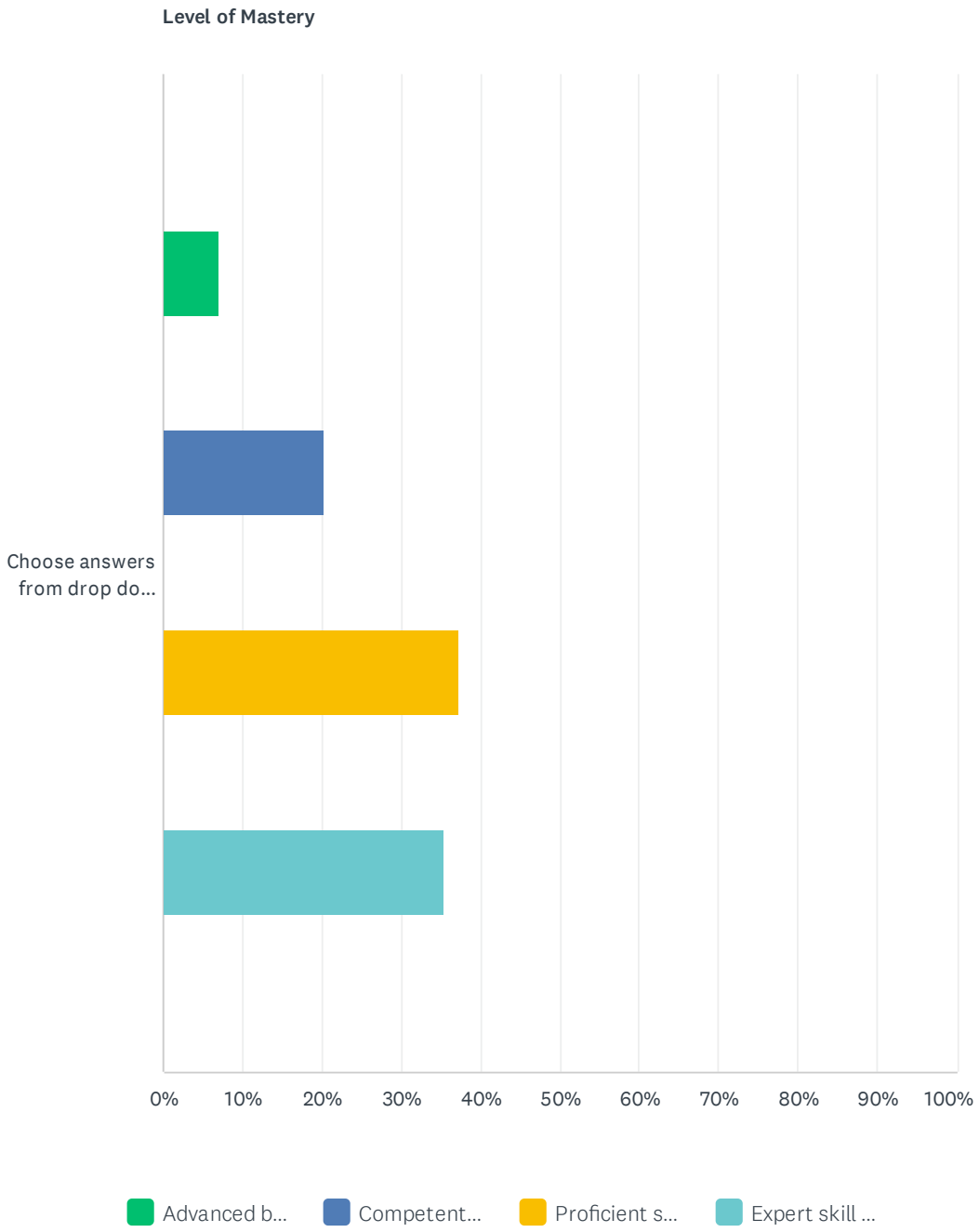


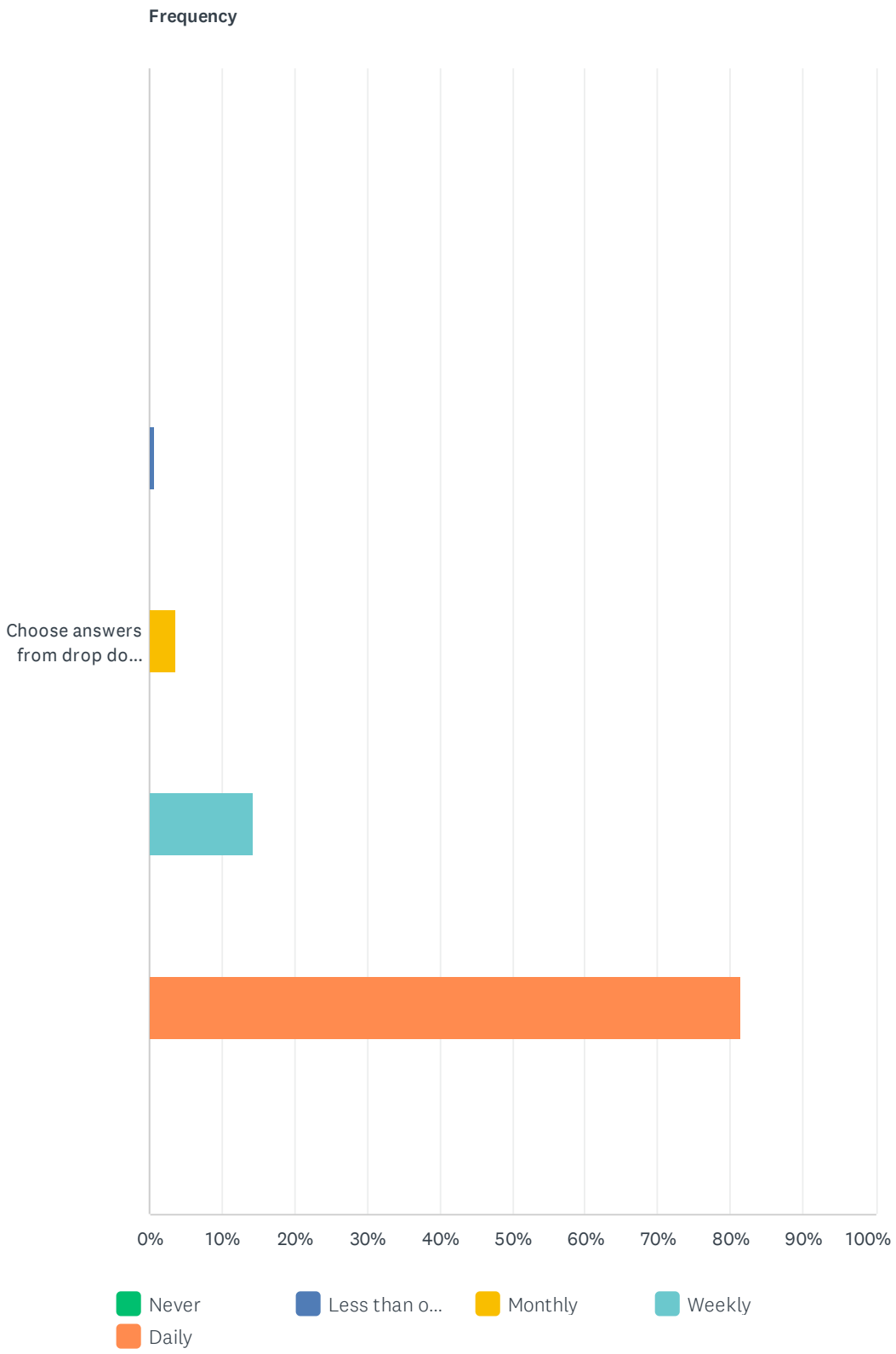

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.22%<br>4 | 6.73%<br>22 | 17.74%<br>58 | 74.31%<br>243 | 327 |

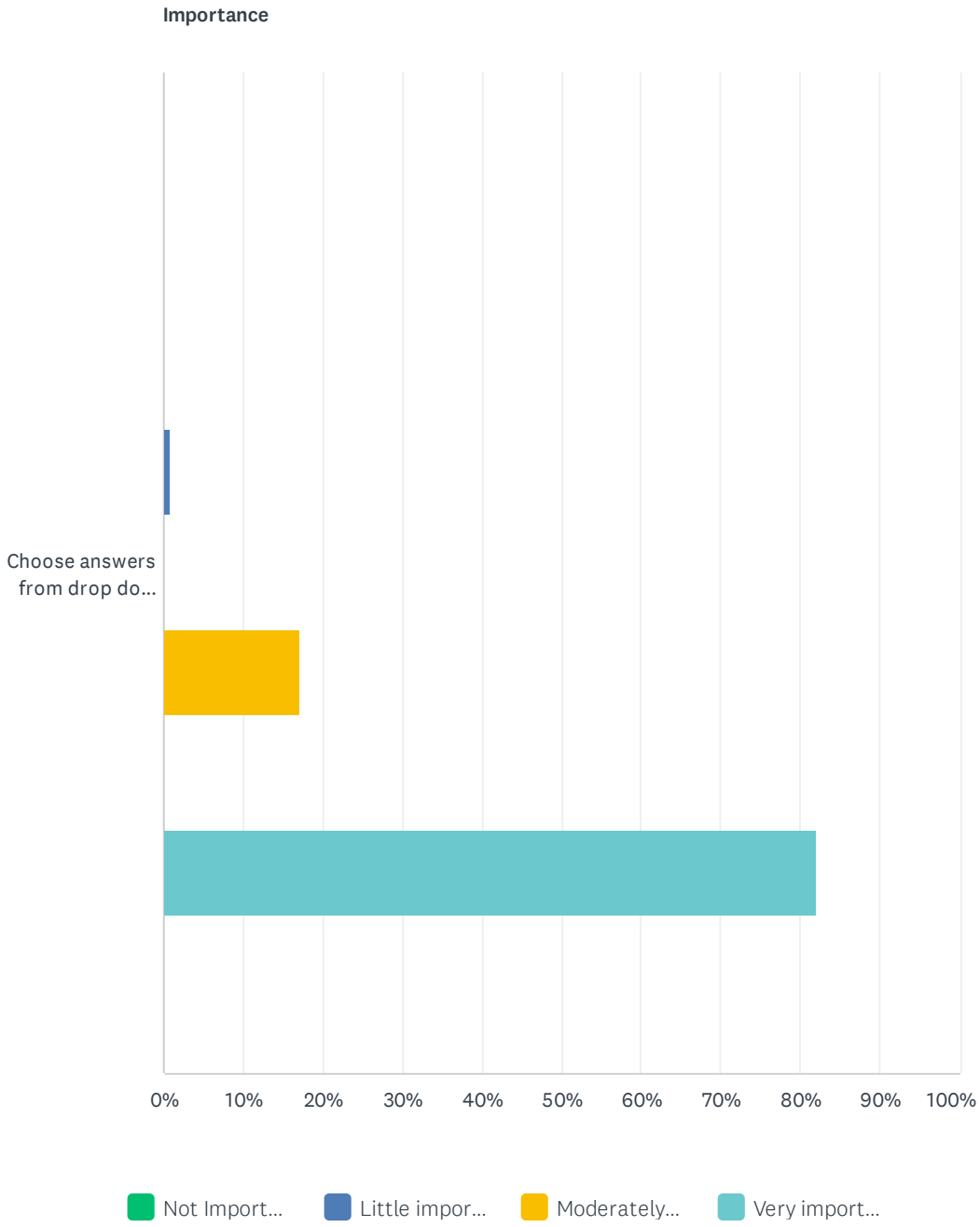
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.89%<br>6 | 30.50%<br>97 | 67.61%<br>215 | 318 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 7.07%<br>22 | 20.26%<br>63 | 37.30%<br>116 | 35.37%<br>110 | <br>311 |

# Q73 3.1.1.2.7 Goals of the patient, family, and caregiver.

Answered: 328 Skipped: 882




Importance
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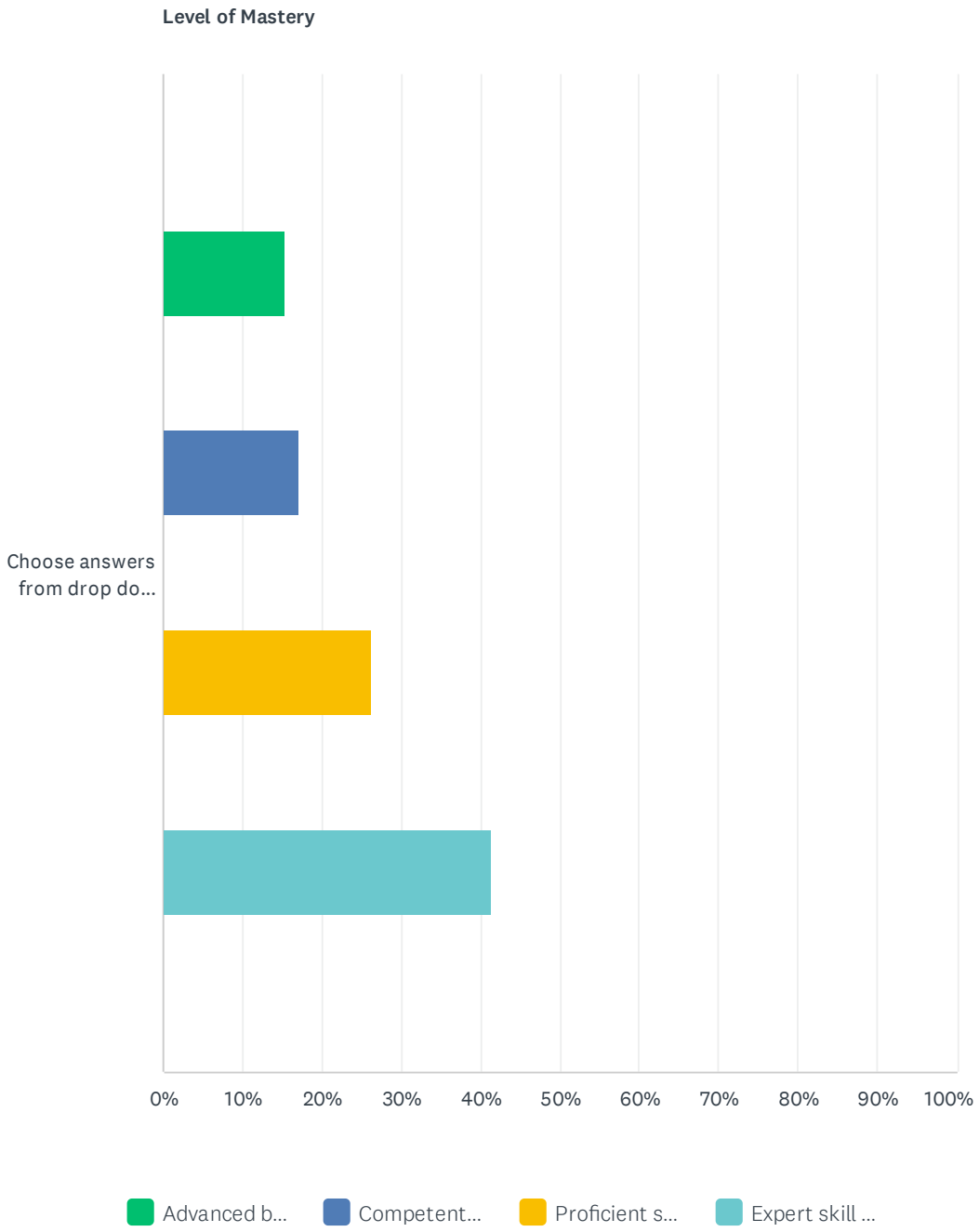


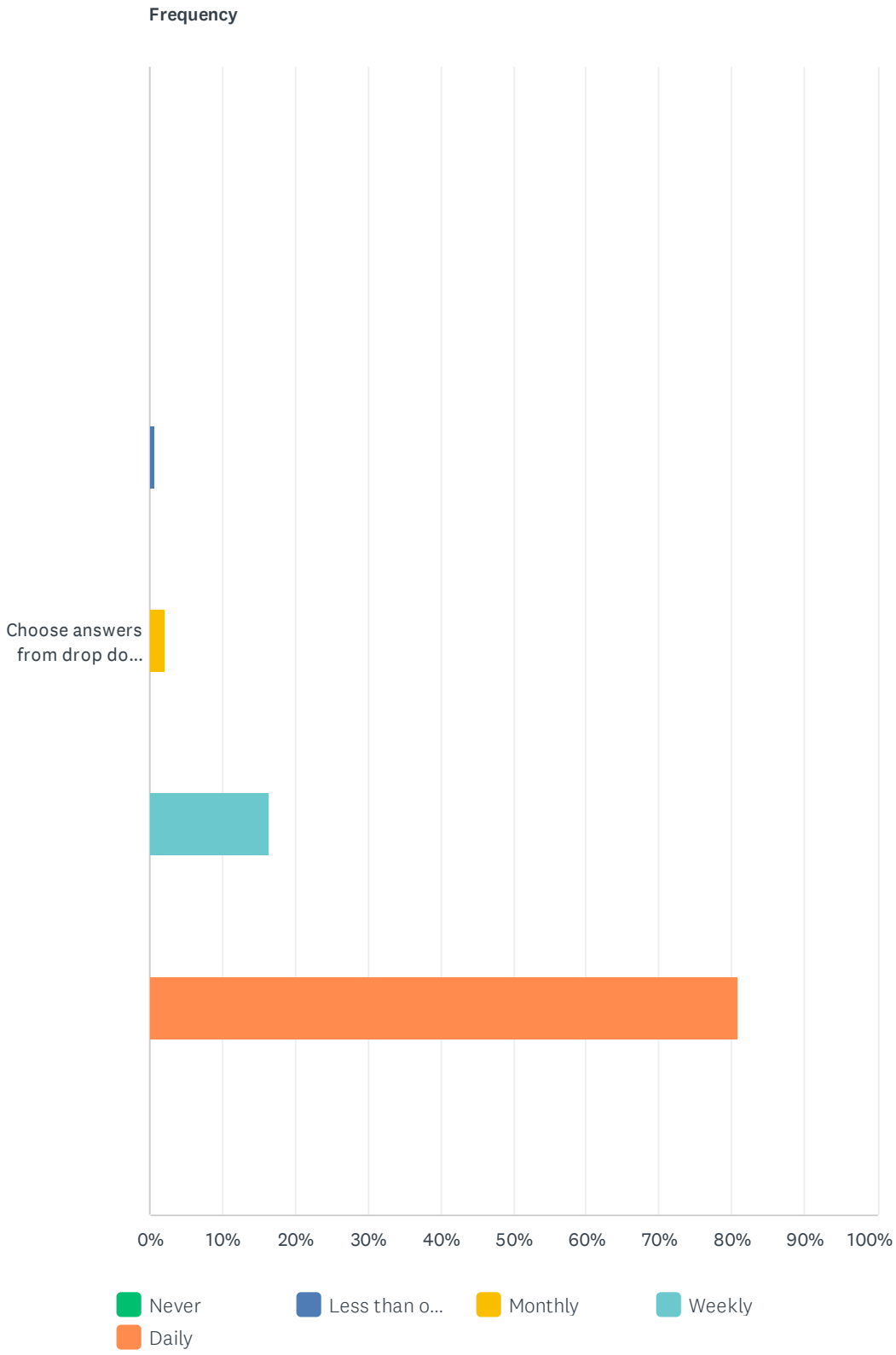

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.61%<br>2 | 3.67%<br>12 | 14.37%<br>47 | 81.35%<br>266 | 327 |

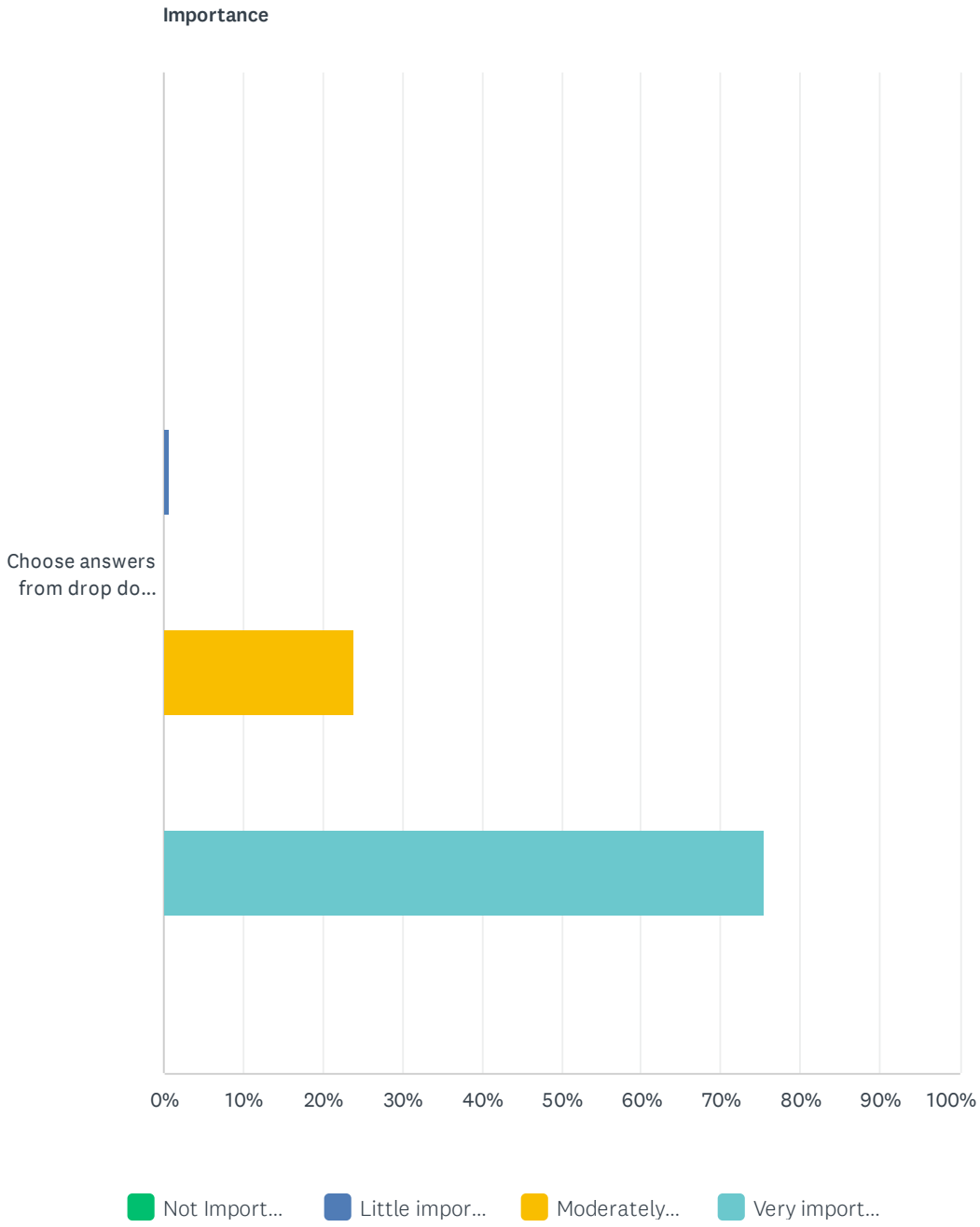
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.94%<br>3 | 16.98%<br>54 | 82.08%<br>261 | 318 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 15.38%<br>48 | 16.99%<br>53 | 26.28%<br>82 | 41.35%<br>129 | <br>312 |

# Q74 3.1.1.3 Obtaining data regarding functional status and activity level of daily living.

Answered: 318 Skipped: 892

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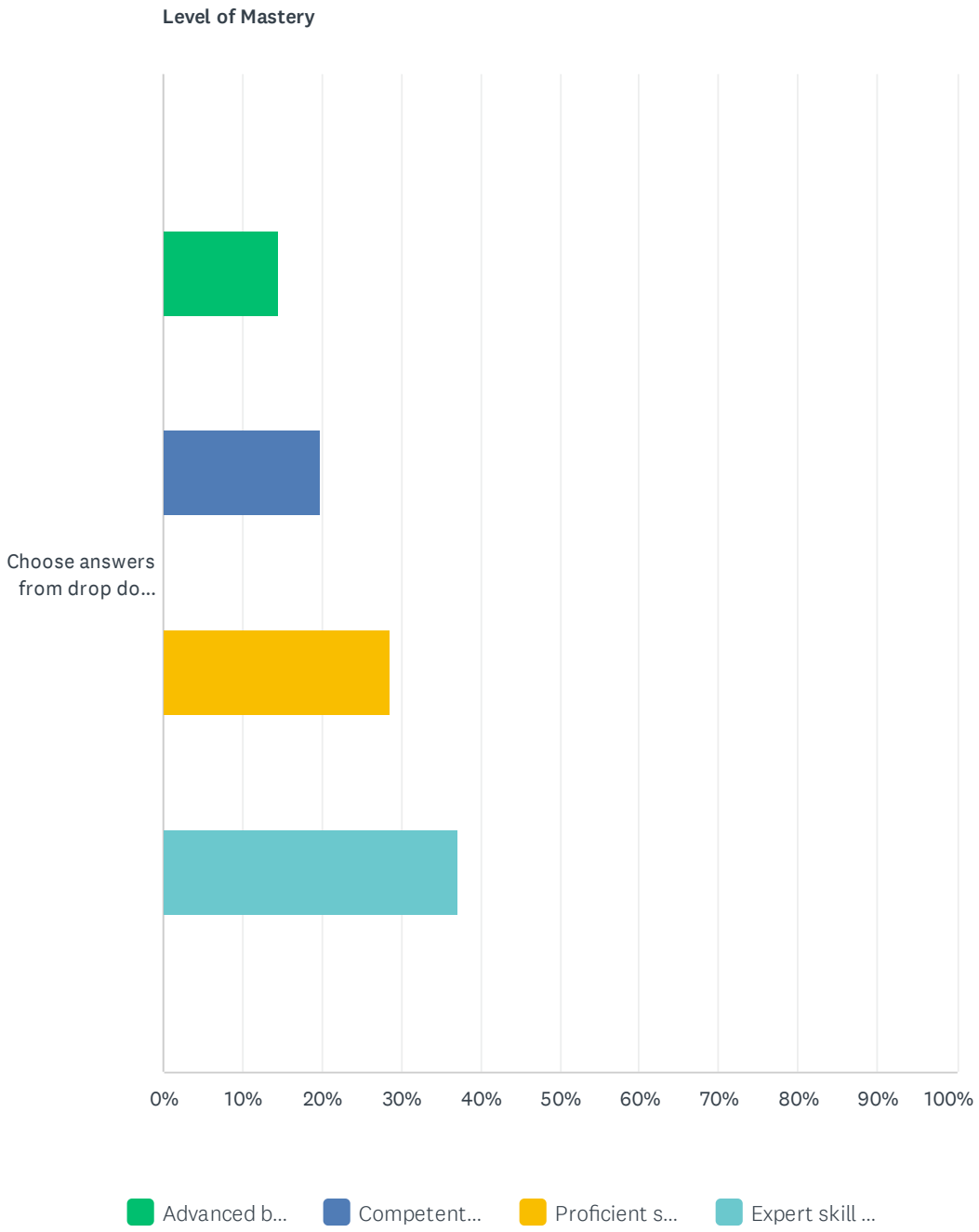


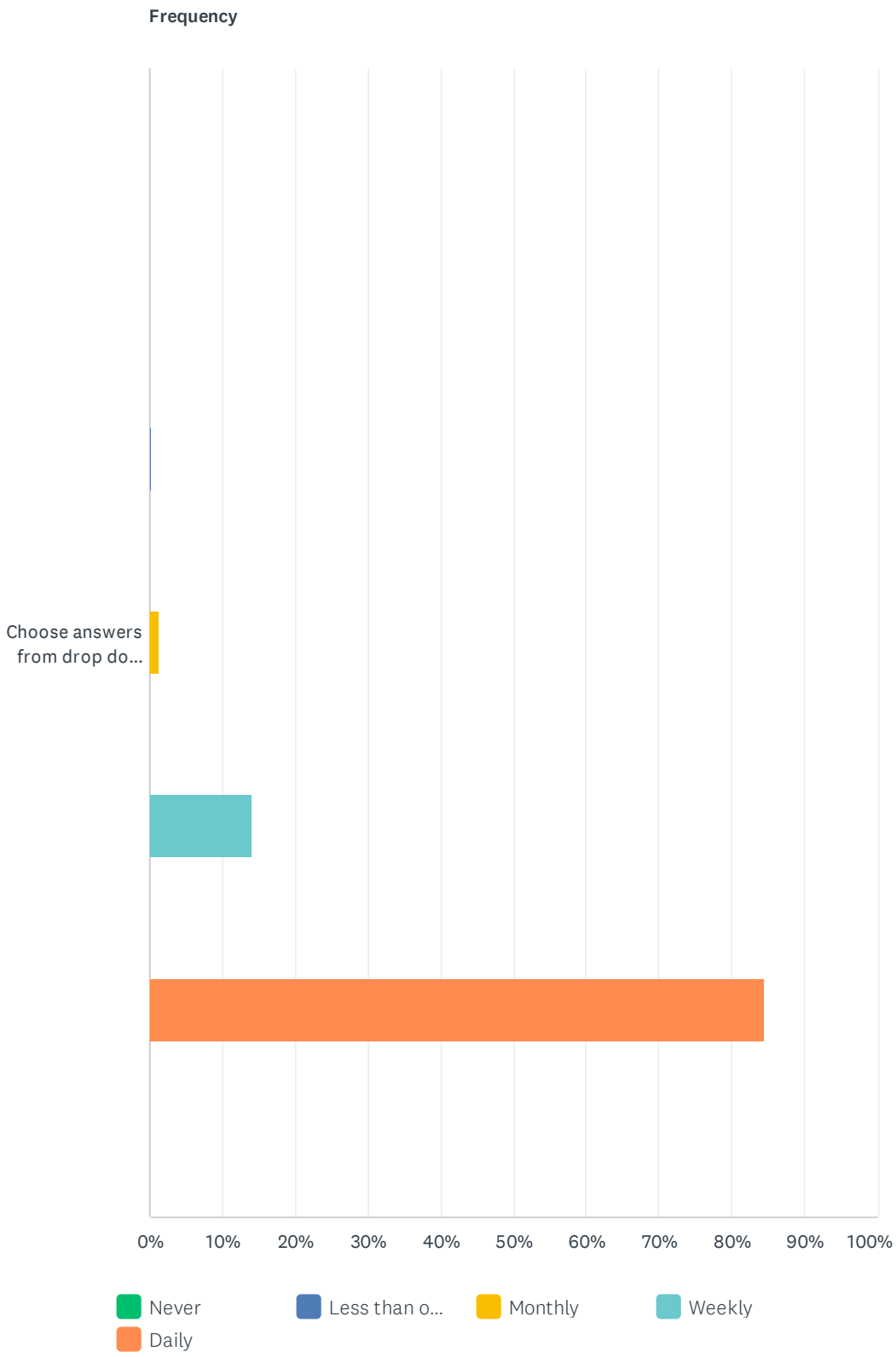

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.63%<br>2 | 2.20%<br>7 | 16.35%<br>52 | 80.82%<br>257 | 318 |

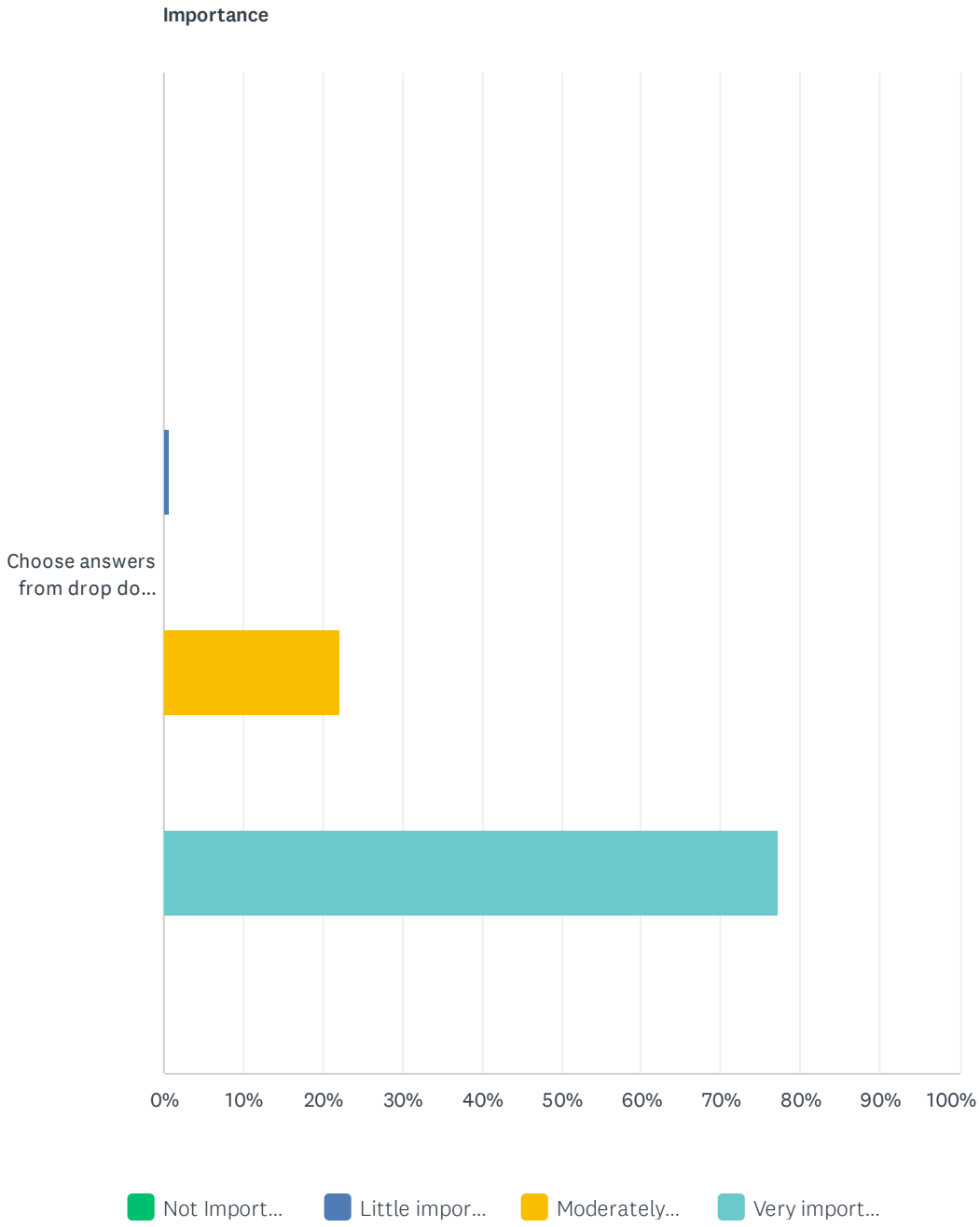
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.65%<br>2 | 23.95%<br>74 | 75.40%<br>233 | 309 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 14.57%<br>44 | 19.87%<br>60 | 28.48%<br>86 | 37.09%<br>112 | <br>302 |

# Q75 3.1.1.4.1 Physical function.

Answered: 320 Skipped: 890

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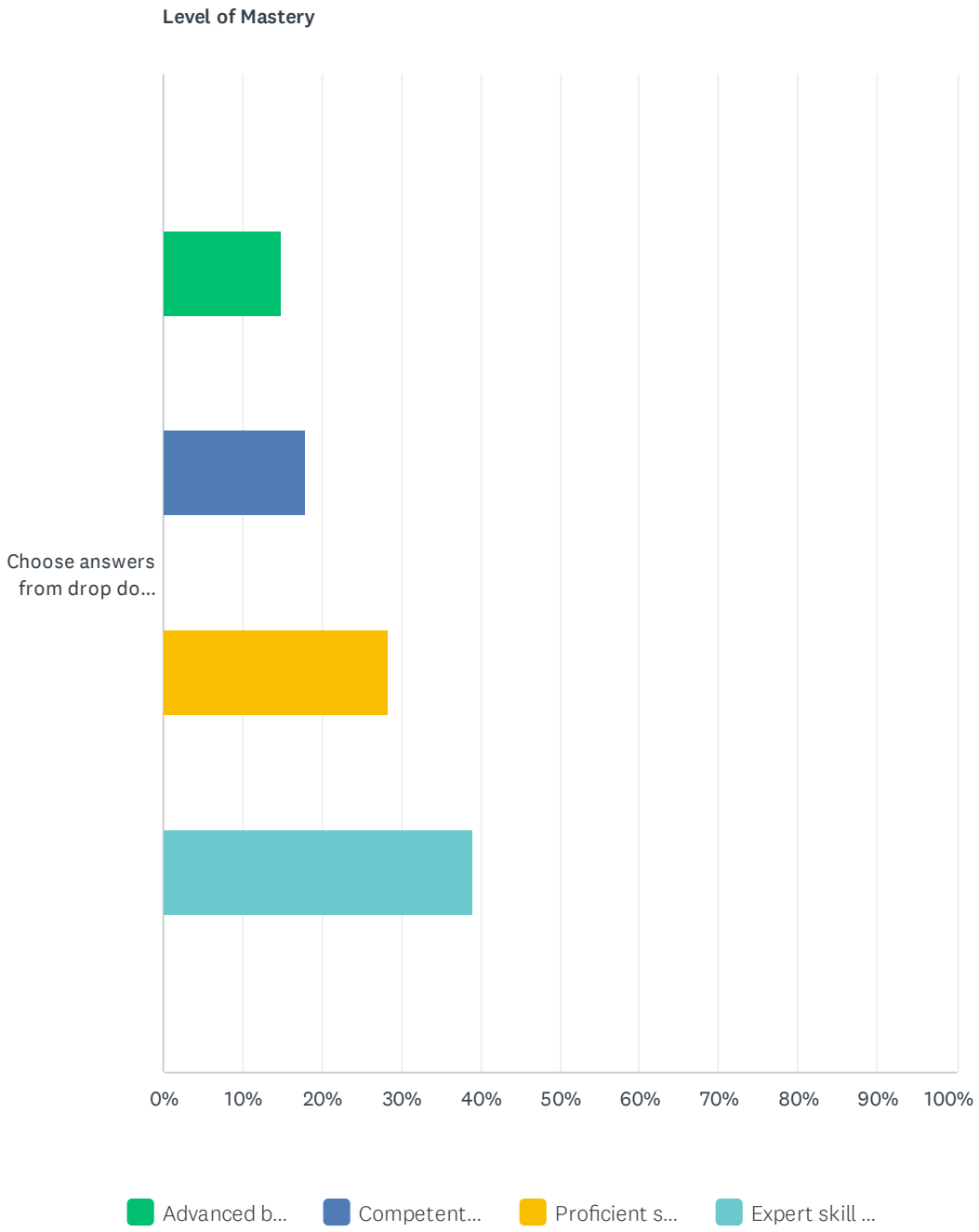


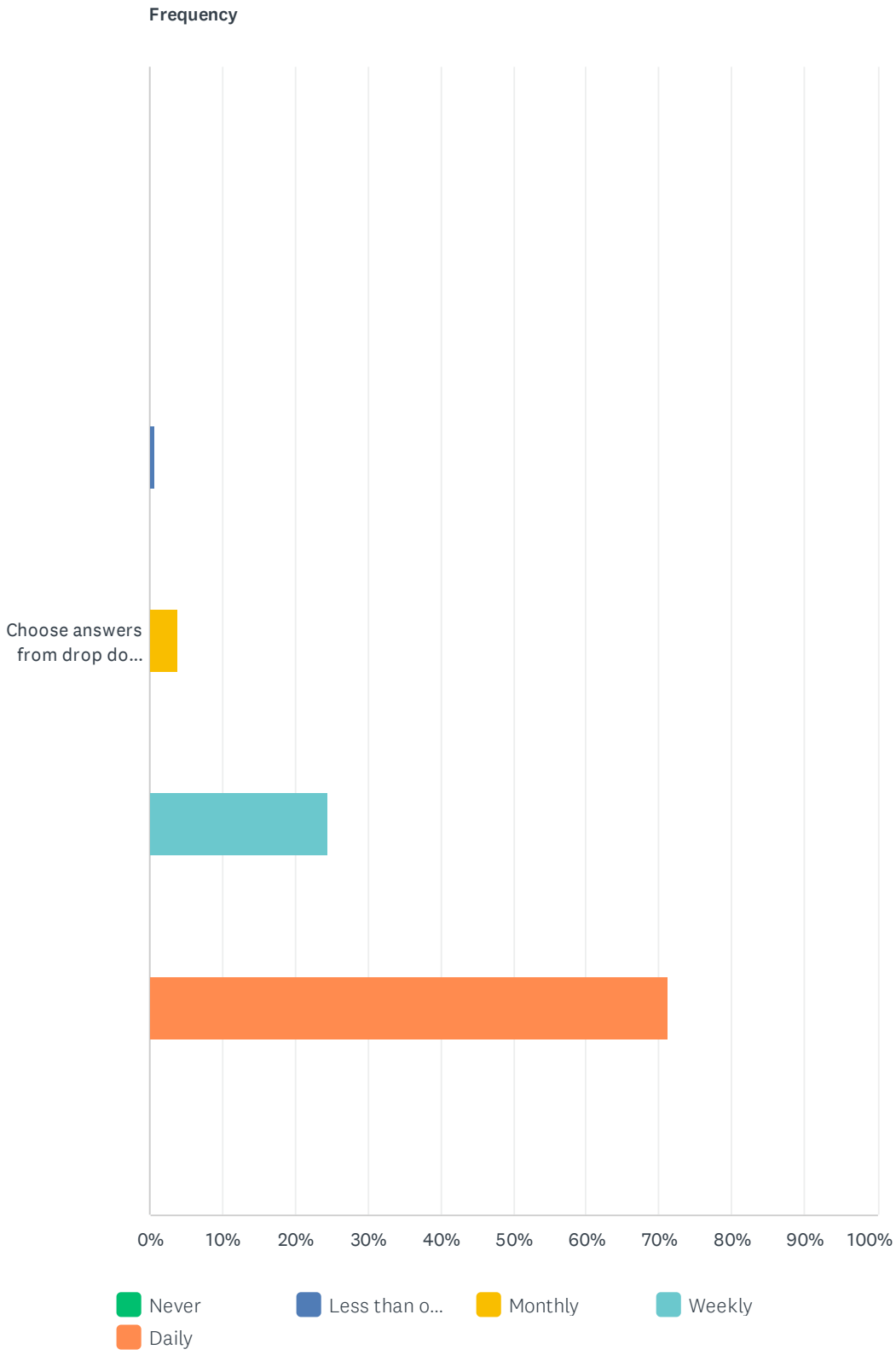

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.31%<br>1 | 1.25%<br>4 | 14.06%<br>45 | 84.38%<br>270 | 320 |

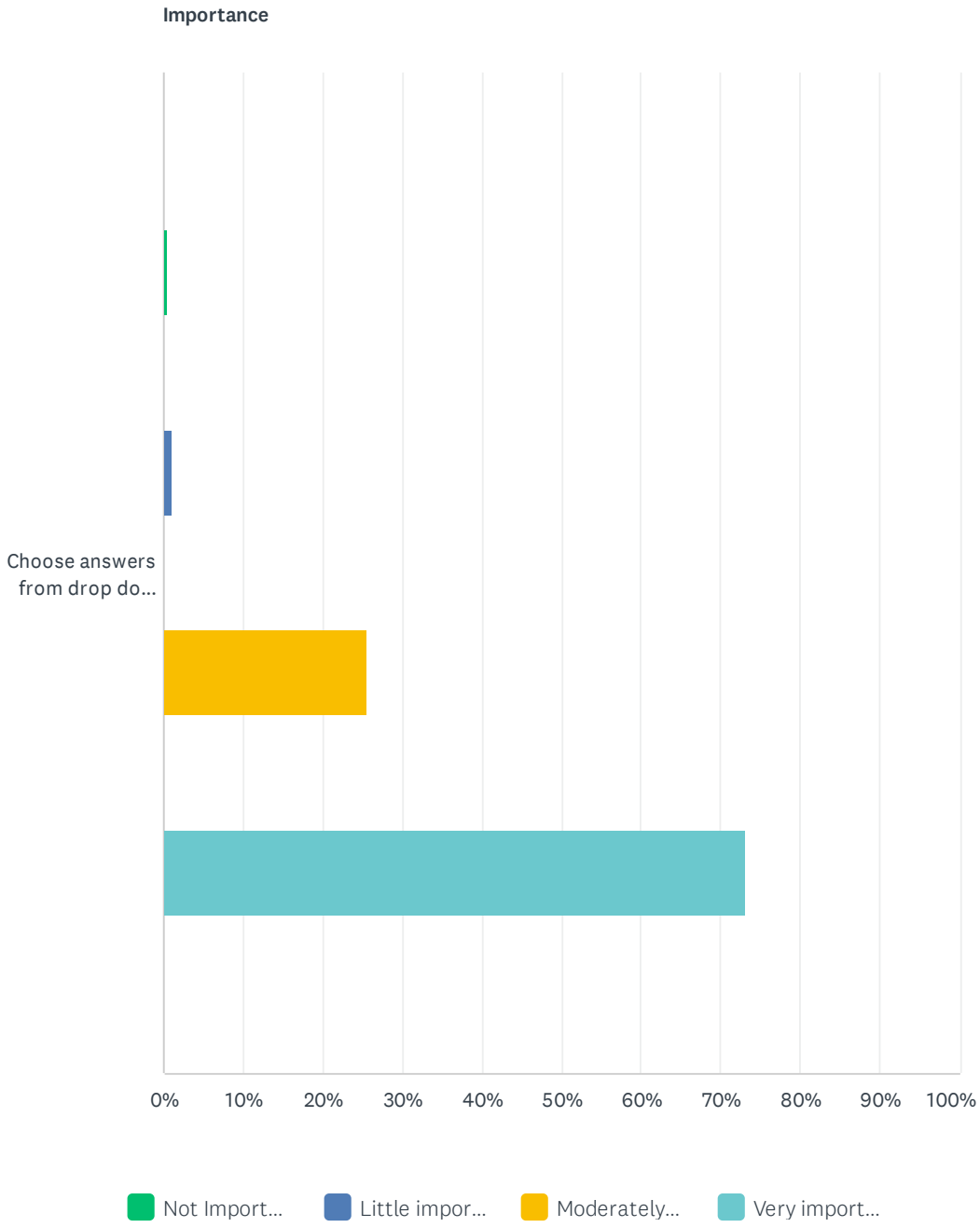
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.65%<br>2 | 22.26%<br>69 | 77.10%<br>239 | 310 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 14.85%<br>45 | 17.82%<br>54 | 28.38%<br>86 | 38.94%<br>118 | <br>303 |

# Q76 3.1.1.4.2 Psychosocial factors (e.g., anxiety, depression, catastrophizing).

Answered: 319 Skipped: 891

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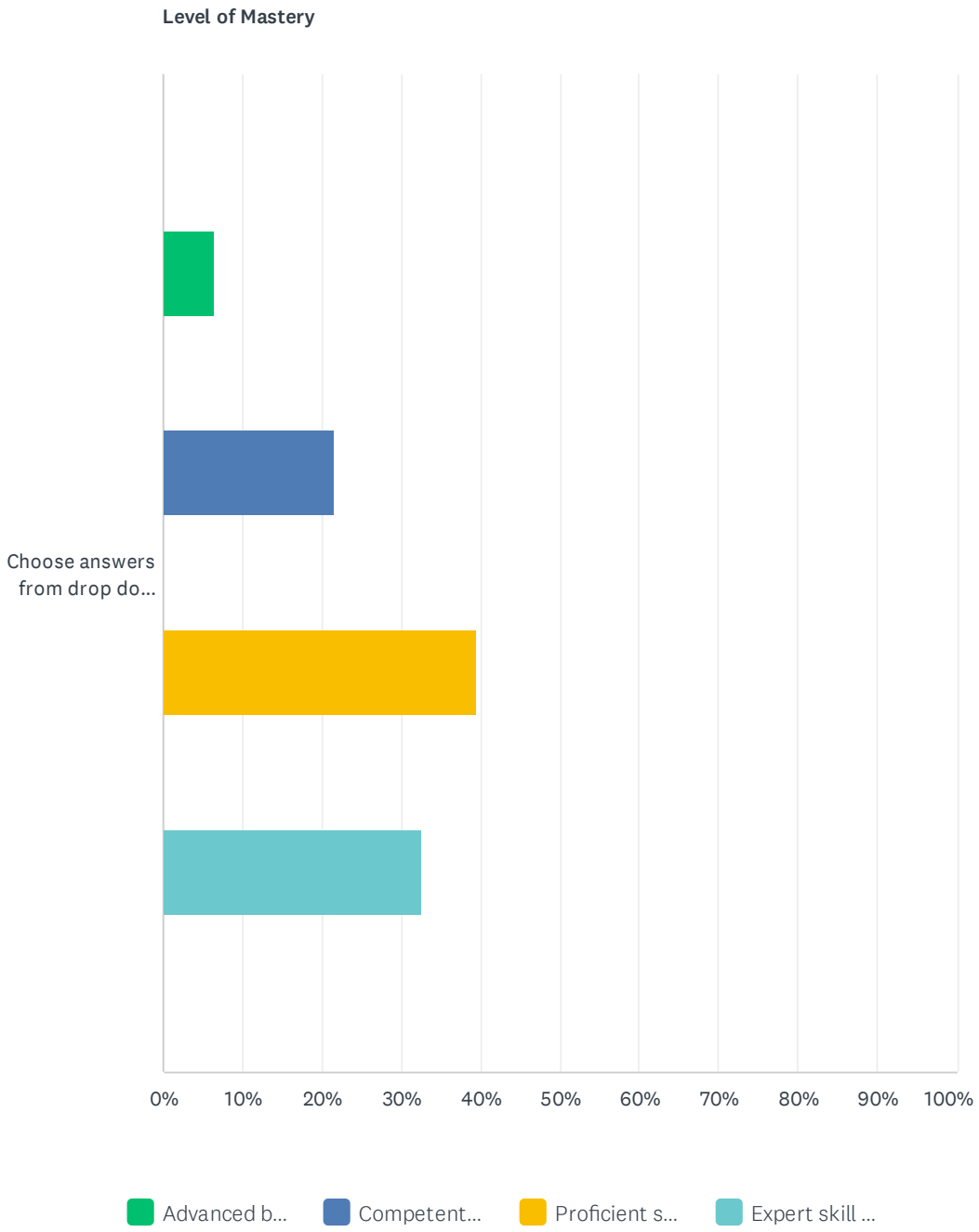


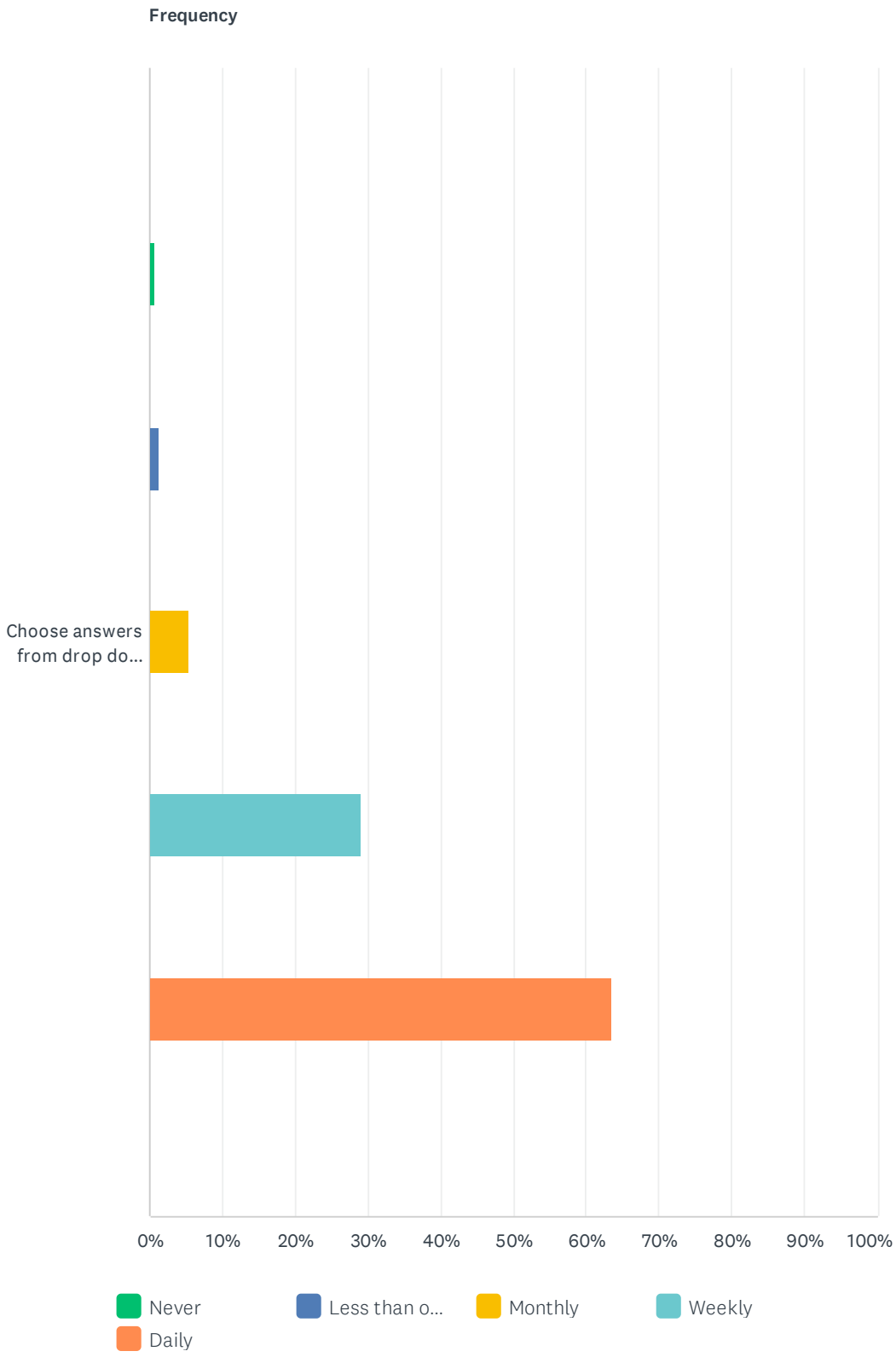

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.63%<br>2 | 3.76%<br>12 | 24.45%<br>78 | 71.16%<br>227 | 319 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.32%<br>1 | 0.97%<br>3 | 25.57%<br>79 | 73.14%<br>226 | 309 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 6.31%<br>19 | 21.59%<br>65 | 39.53%<br>119 | 32.56%<br>98 | <br>301 |

# Q77 3.1.1.5 Obtaining data regarding social/health habits (past and current), including behavioral health risks (e.g., nutrition, smoking, substance use, sleep) and fitness level.

Answered: 299 Skipped: 911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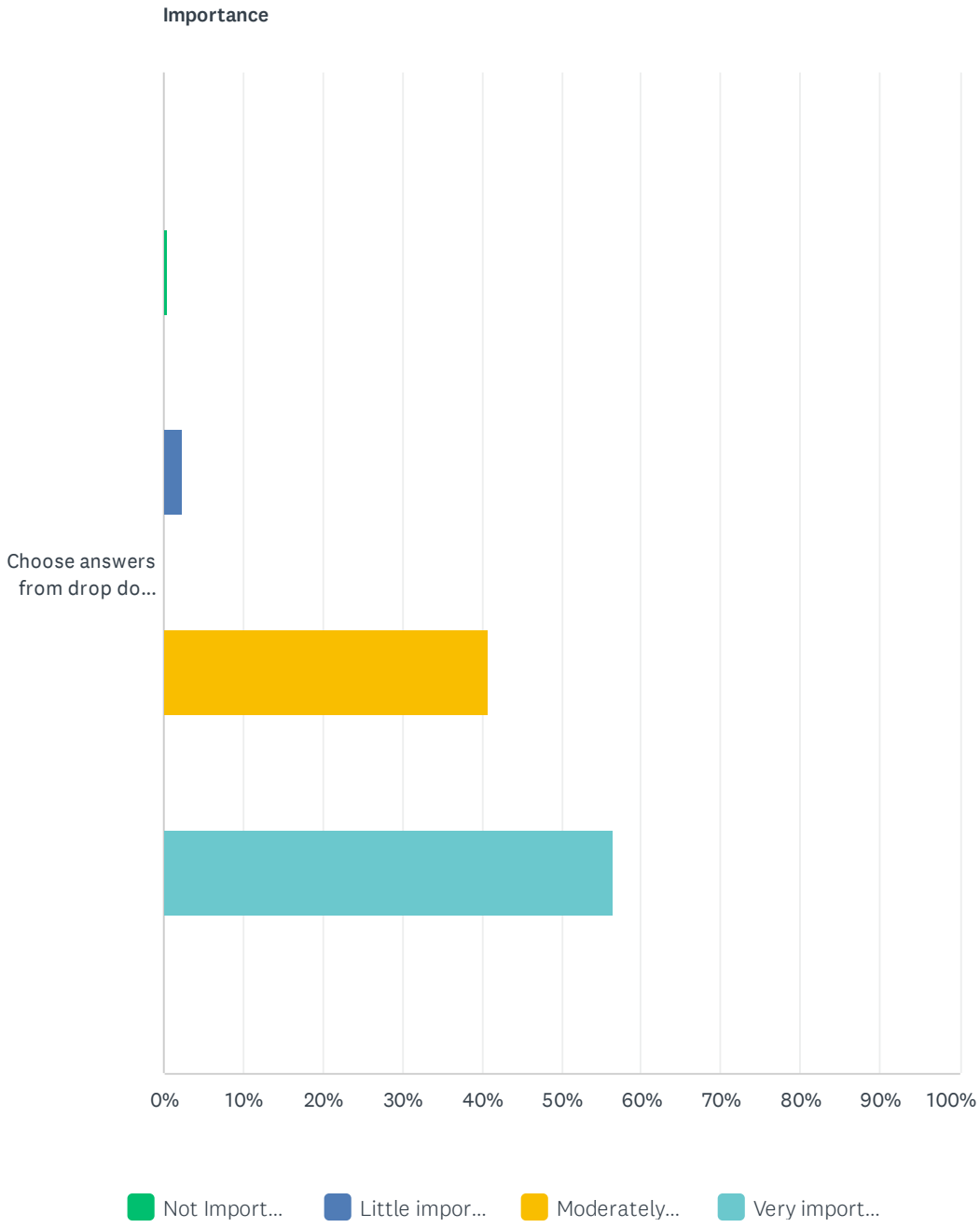
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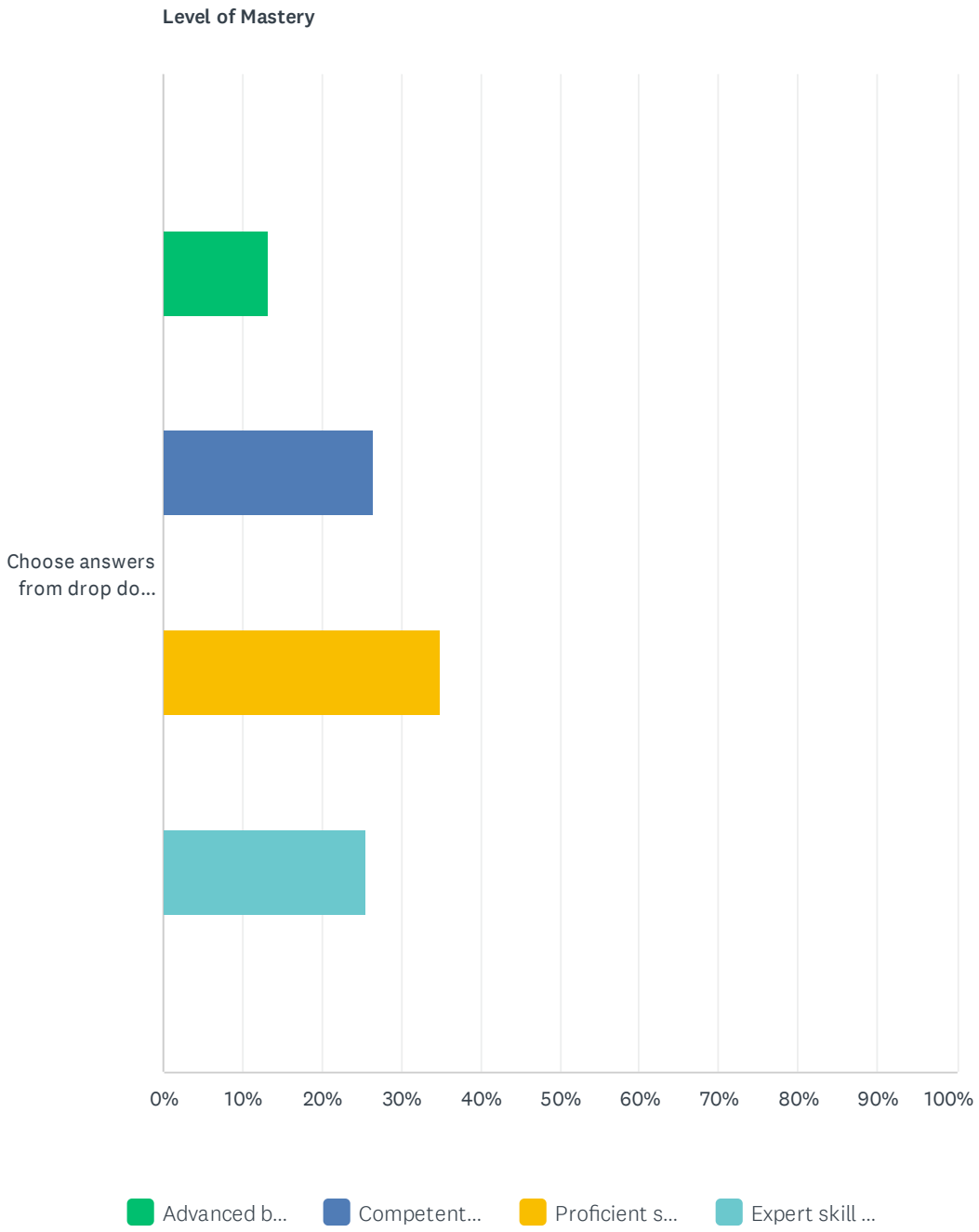


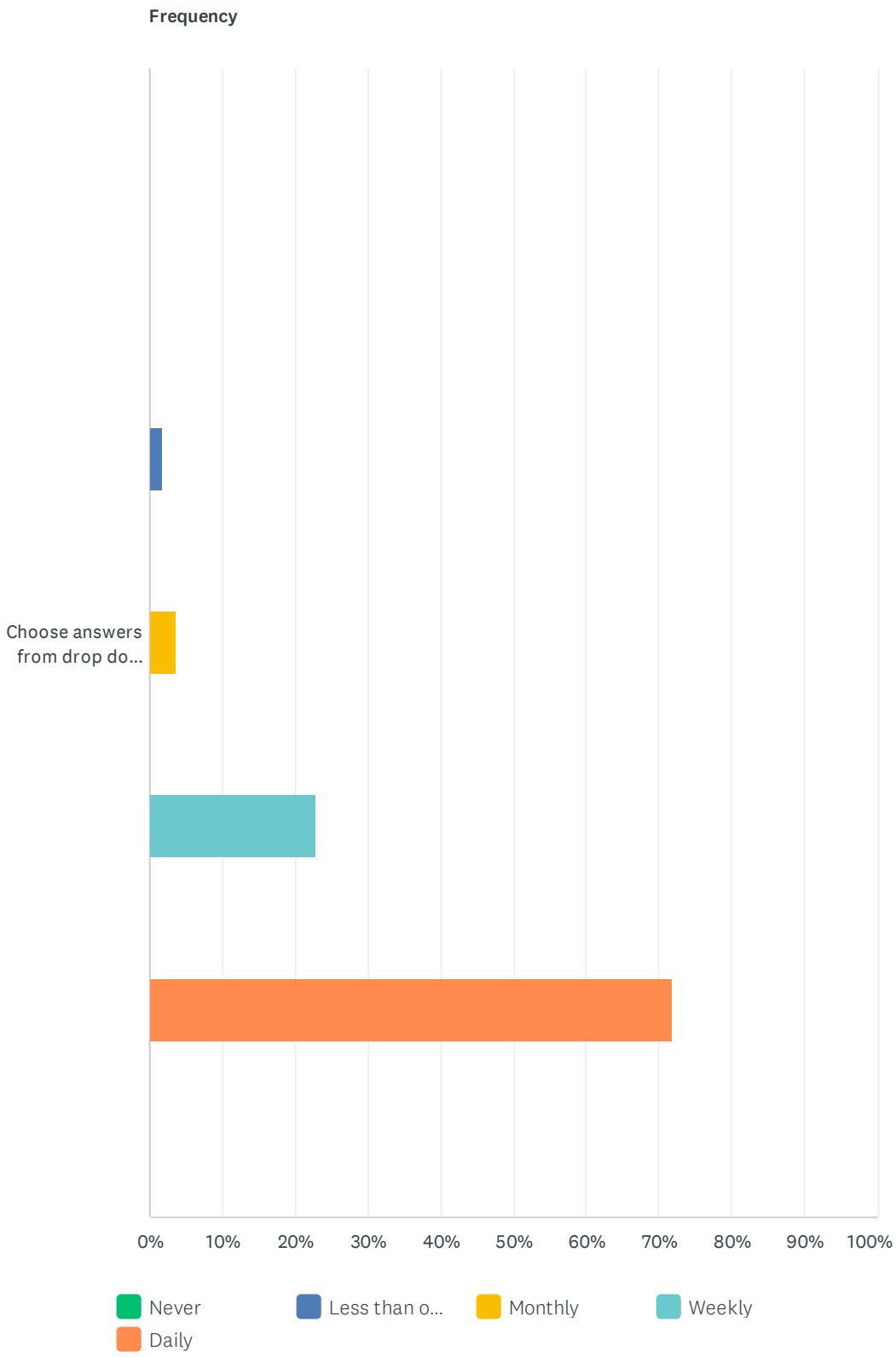

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.67%<br>2 | 1.34%<br>4 | 5.35%<br>16 | 29.10%<br>87 | 63.55%<br>190 | 299 |

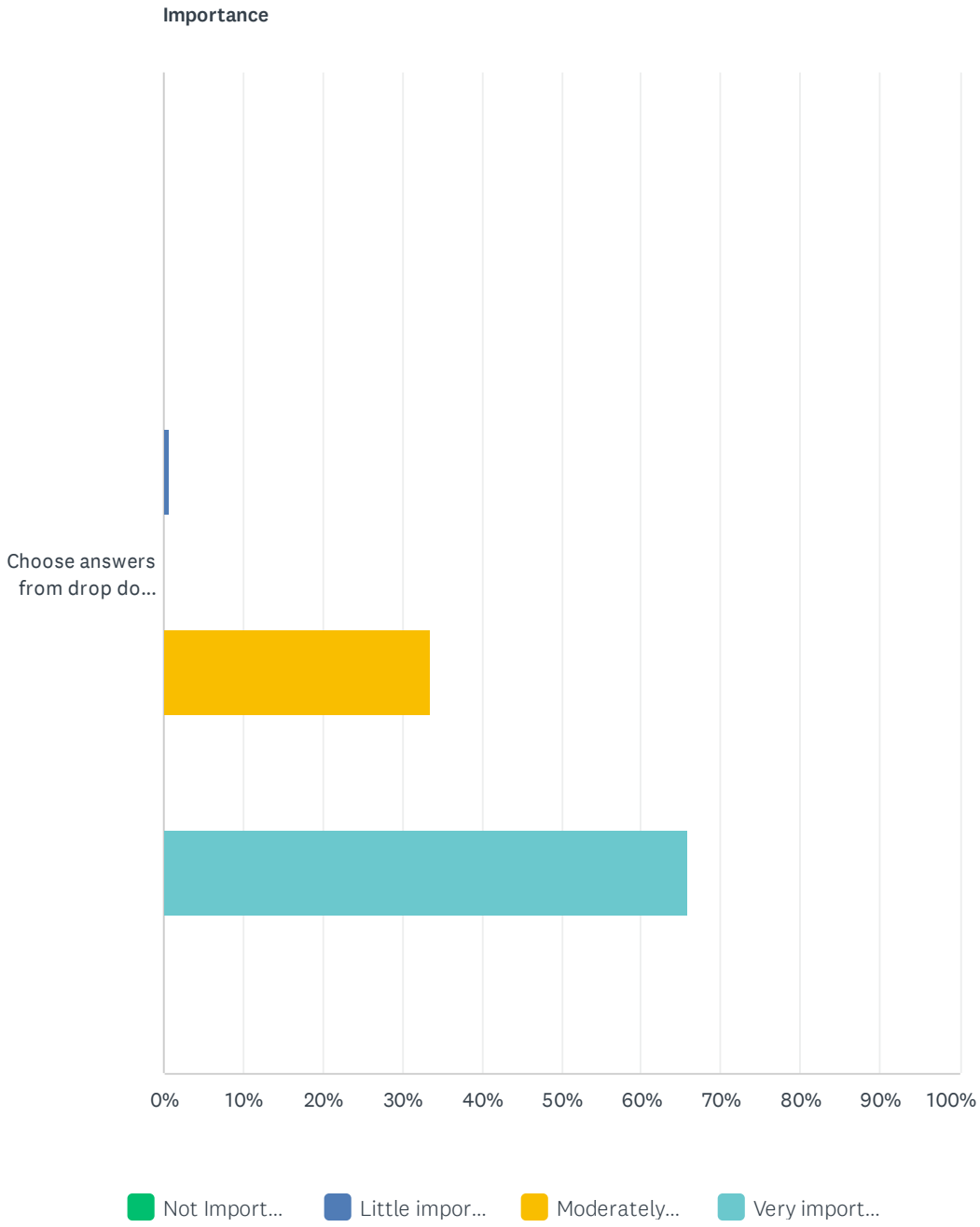
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.35%<br>1 | 2.42%<br>7 | 40.83%<br>118 | 56.40%<br>163 | 289 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 13.17%<br>37 | 26.33%<br>74 | 34.88%<br>98 | 25.62%<br>72 | <br>281 |

# Q78 3.1.1.6 Obtaining medical/surgical history data.

Answered: 299 Skipped: 911

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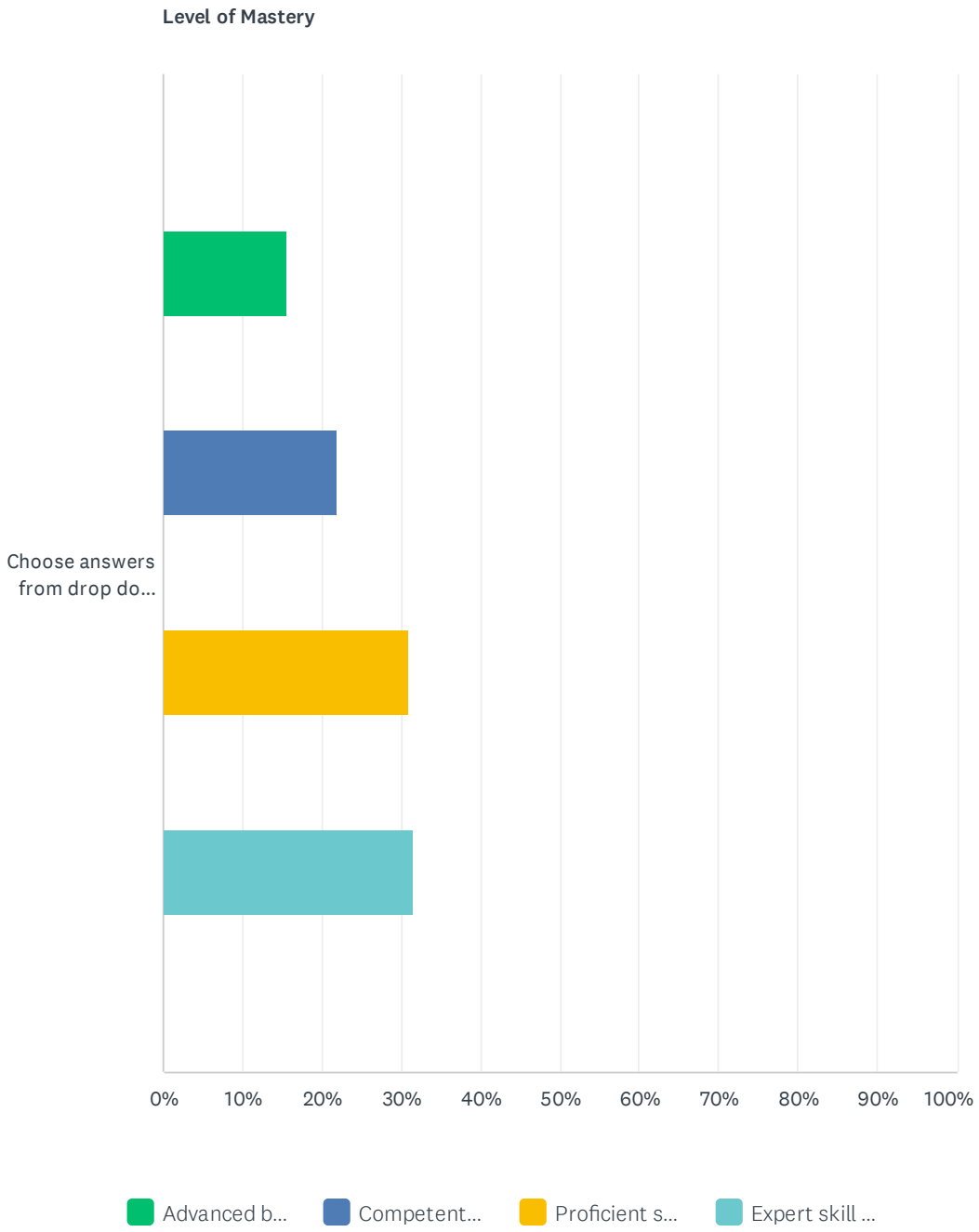


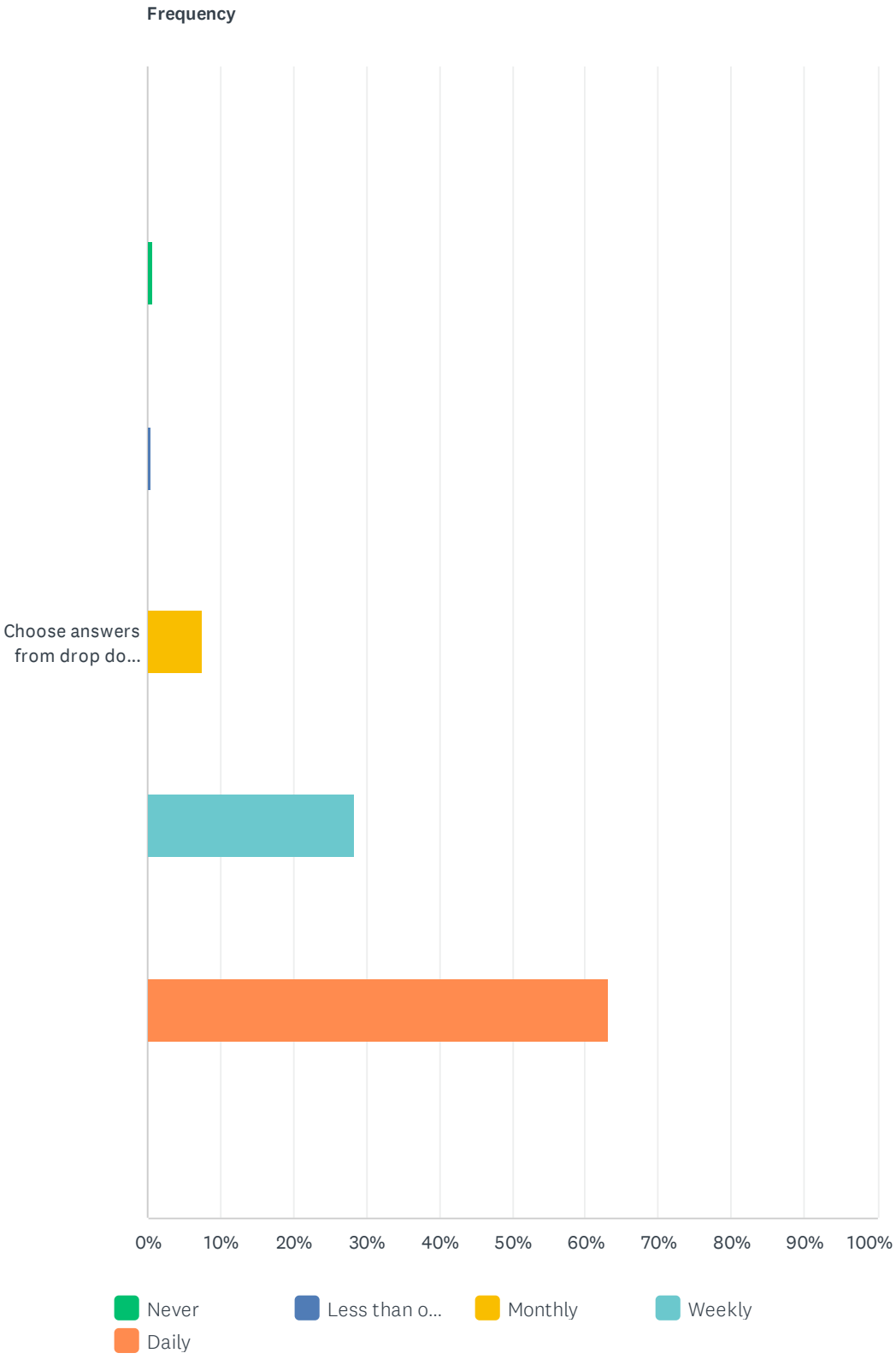

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.67%<br>5 | 3.68%<br>11 | 22.74%<br>68 | 71.91%<br>215 | 299 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.70%<br>2 | 33.45%<br>96 | 65.85%<br>189 | 287 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 15.60%<br>44 | 21.99%<br>62 | 30.85%<br>87 | 31.56%<br>89 | 282 |

# Q79 3.1.1.7 Obtaining data regarding medication usage patterns and effects of medications currently and previously taken (for chief complaint and for other conditions).

Answered: 299 Skipped: 911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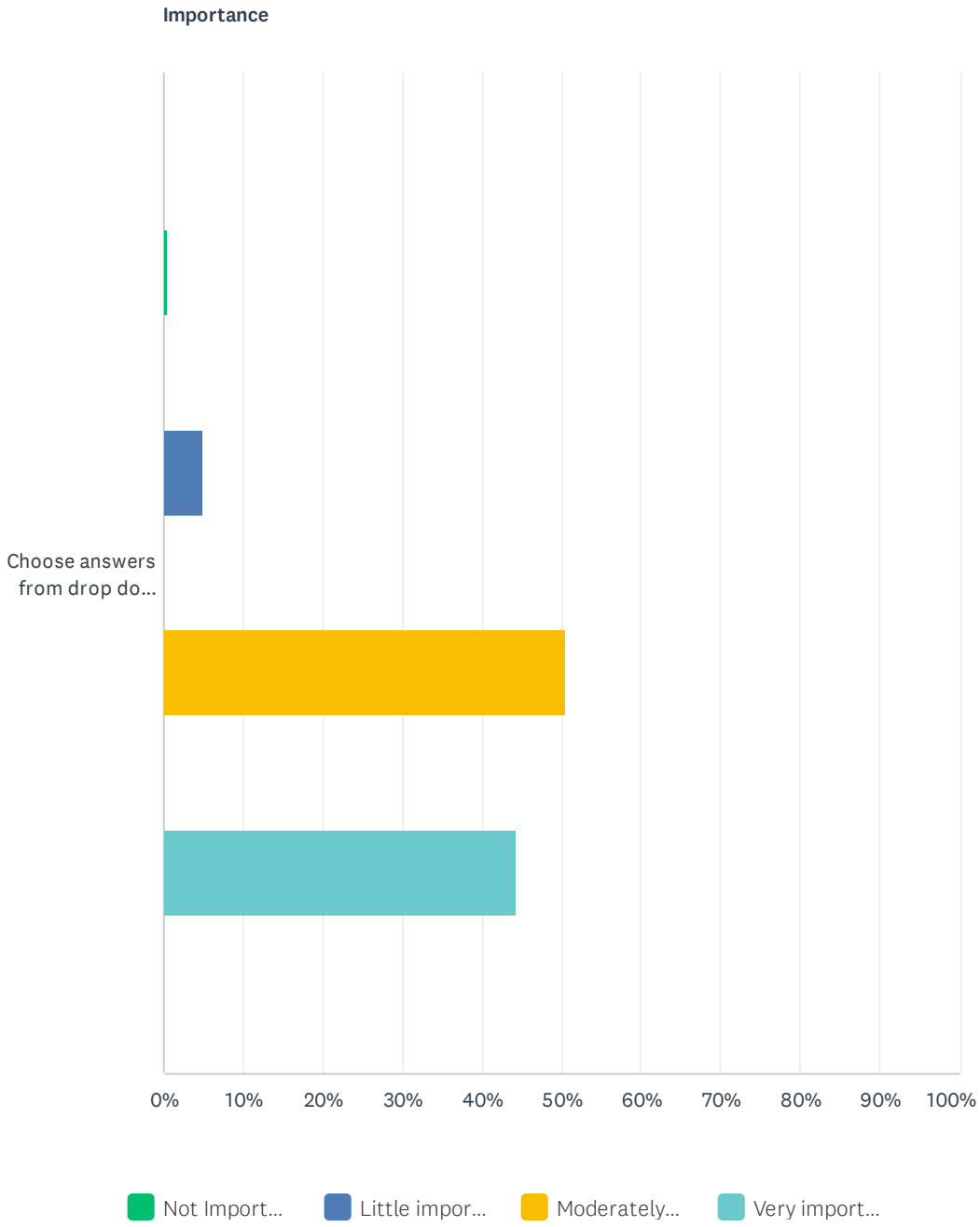
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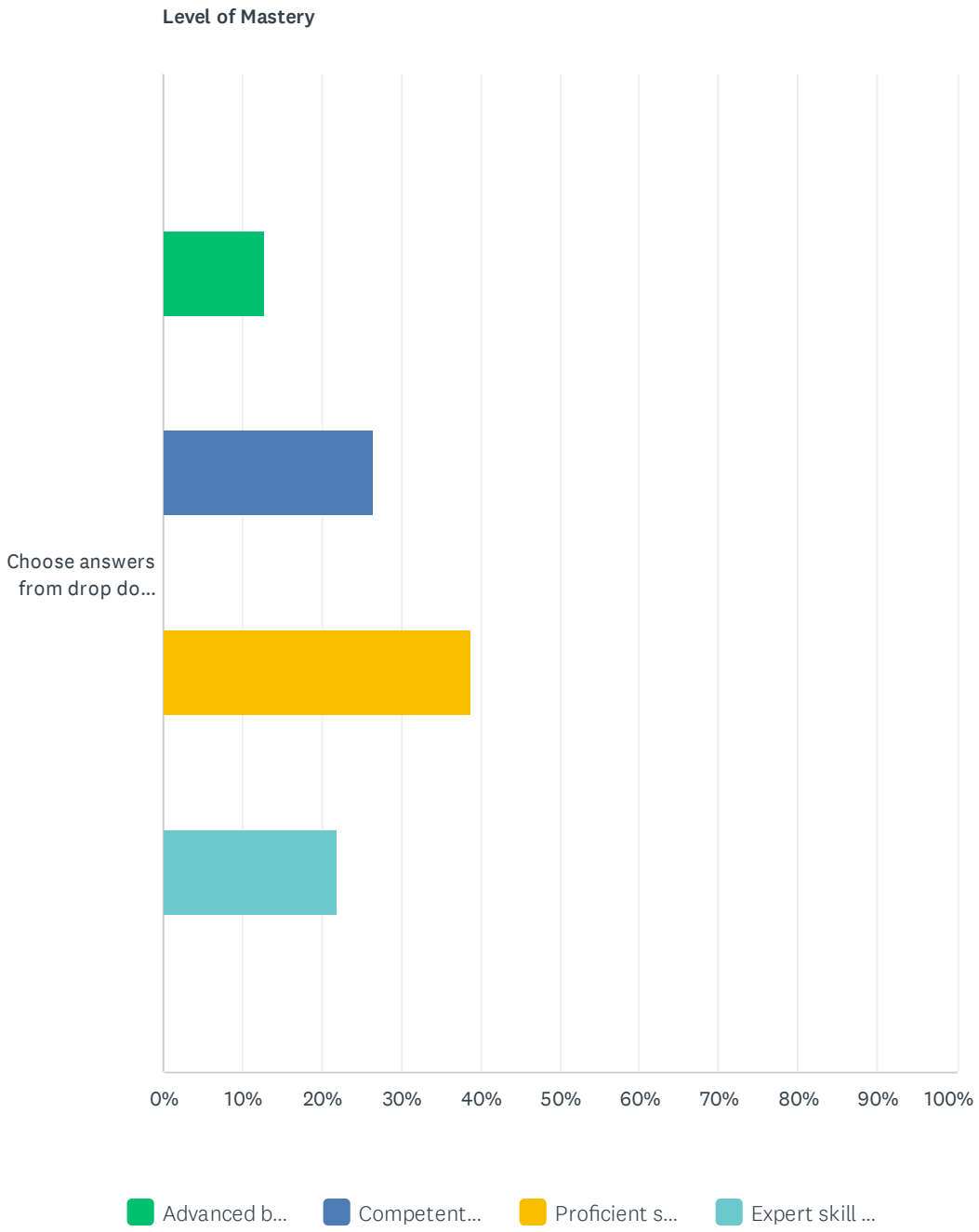


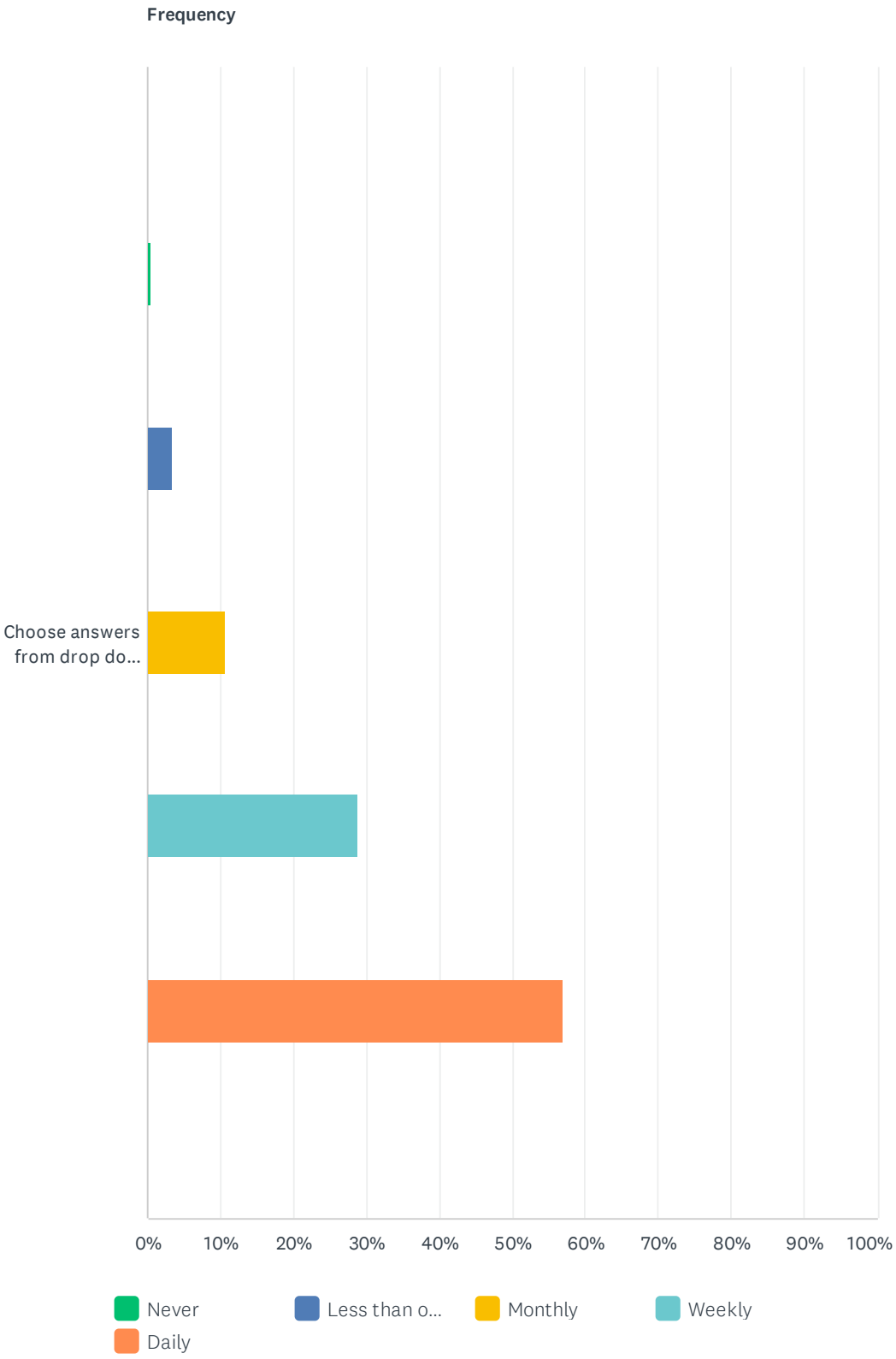

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.67%<br>2 | 0.33%<br>1 | 7.36%<br>22 | 28.43%<br>85 | 63.21%<br>189 | 299 |

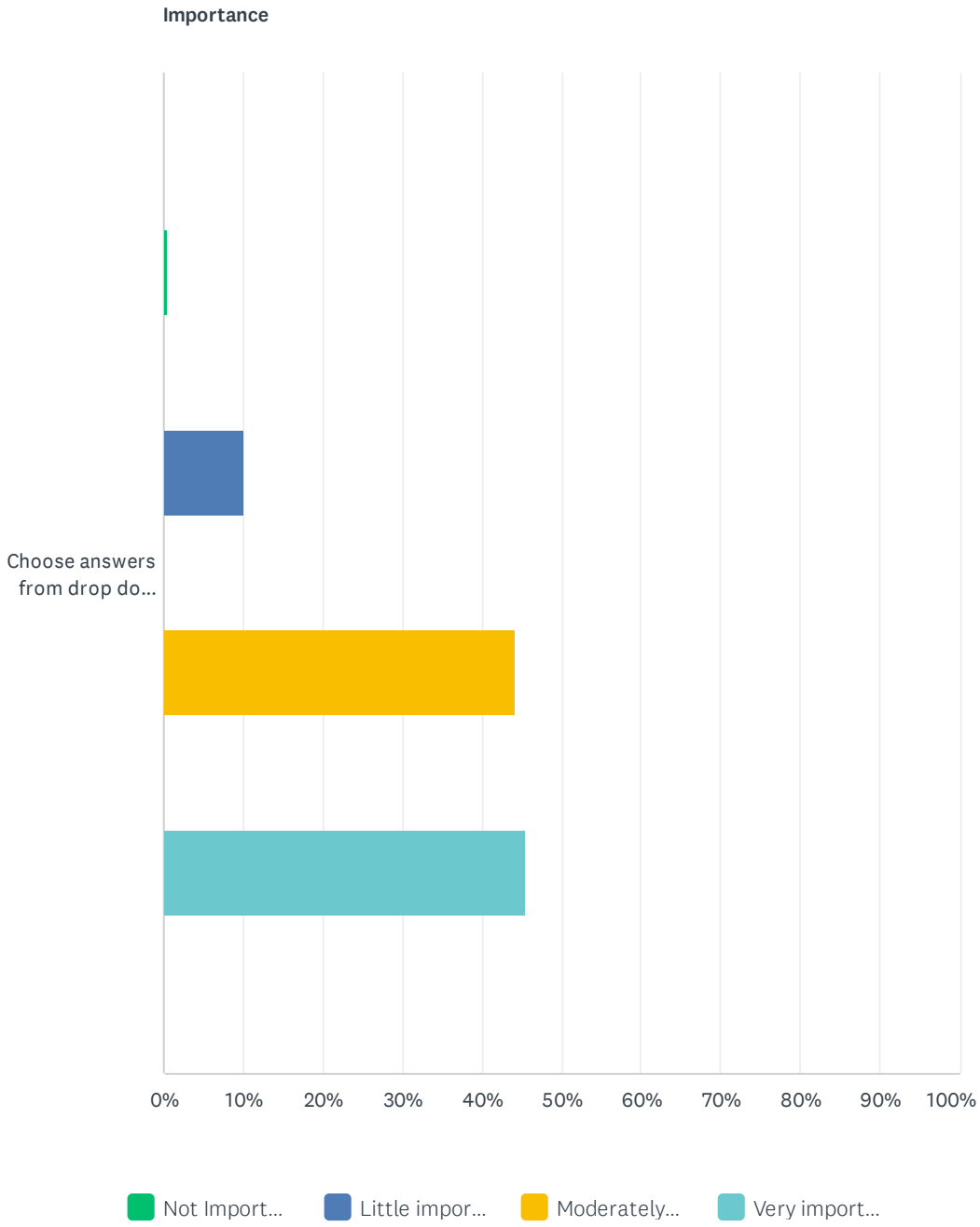
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.35%<br>1 | 4.84%<br>14 | 50.52%<br>146 | 44.29%<br>128 | 289 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 12.72%<br>36 | 26.50%<br>75 | 38.87%<br>110 | 21.91%<br>62 | <br>283 |

# Q80 3.1.1.8 Obtaining data regarding social history (e.g., cultural beliefs and support systems).

Answered: 299 Skipped: 911

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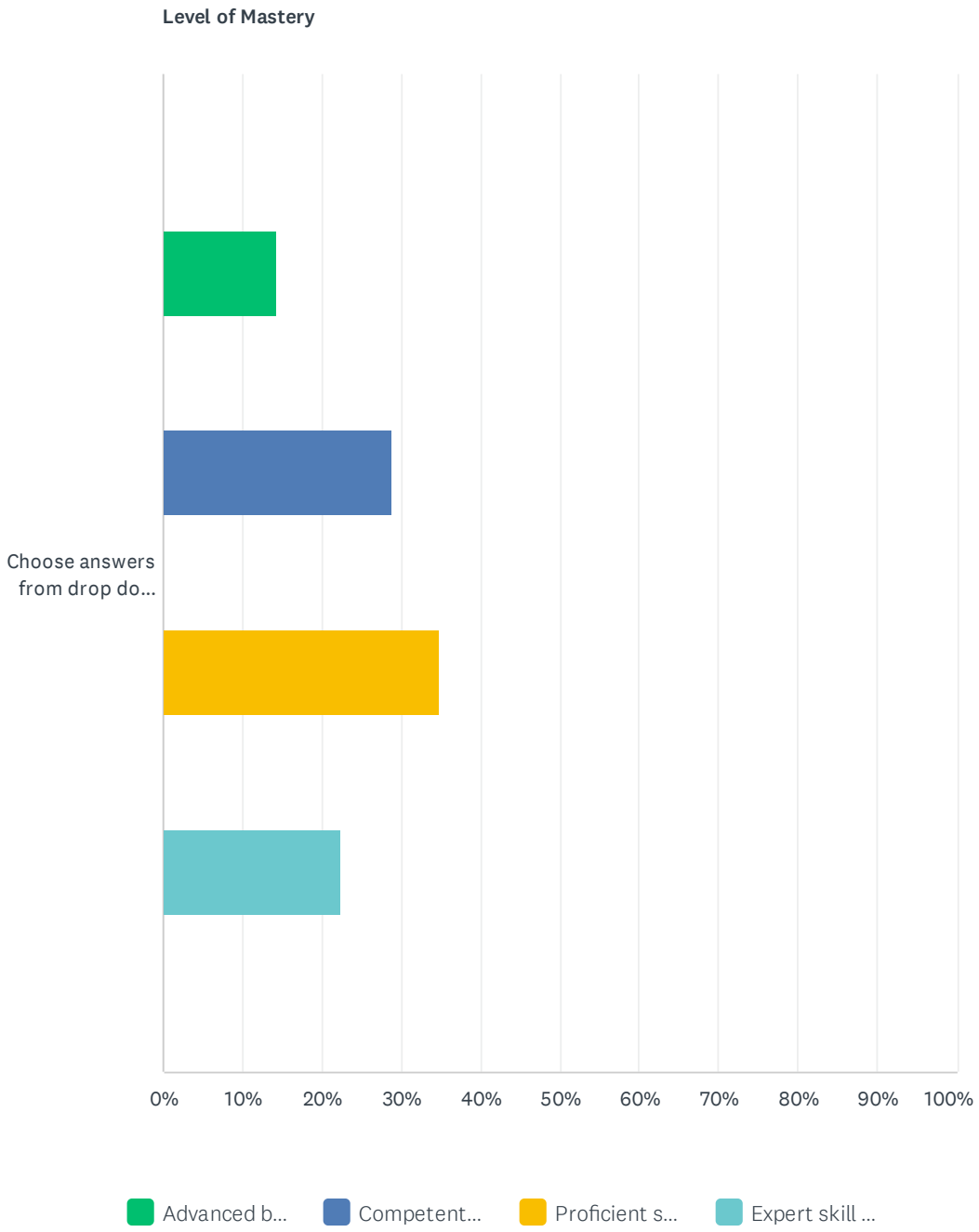


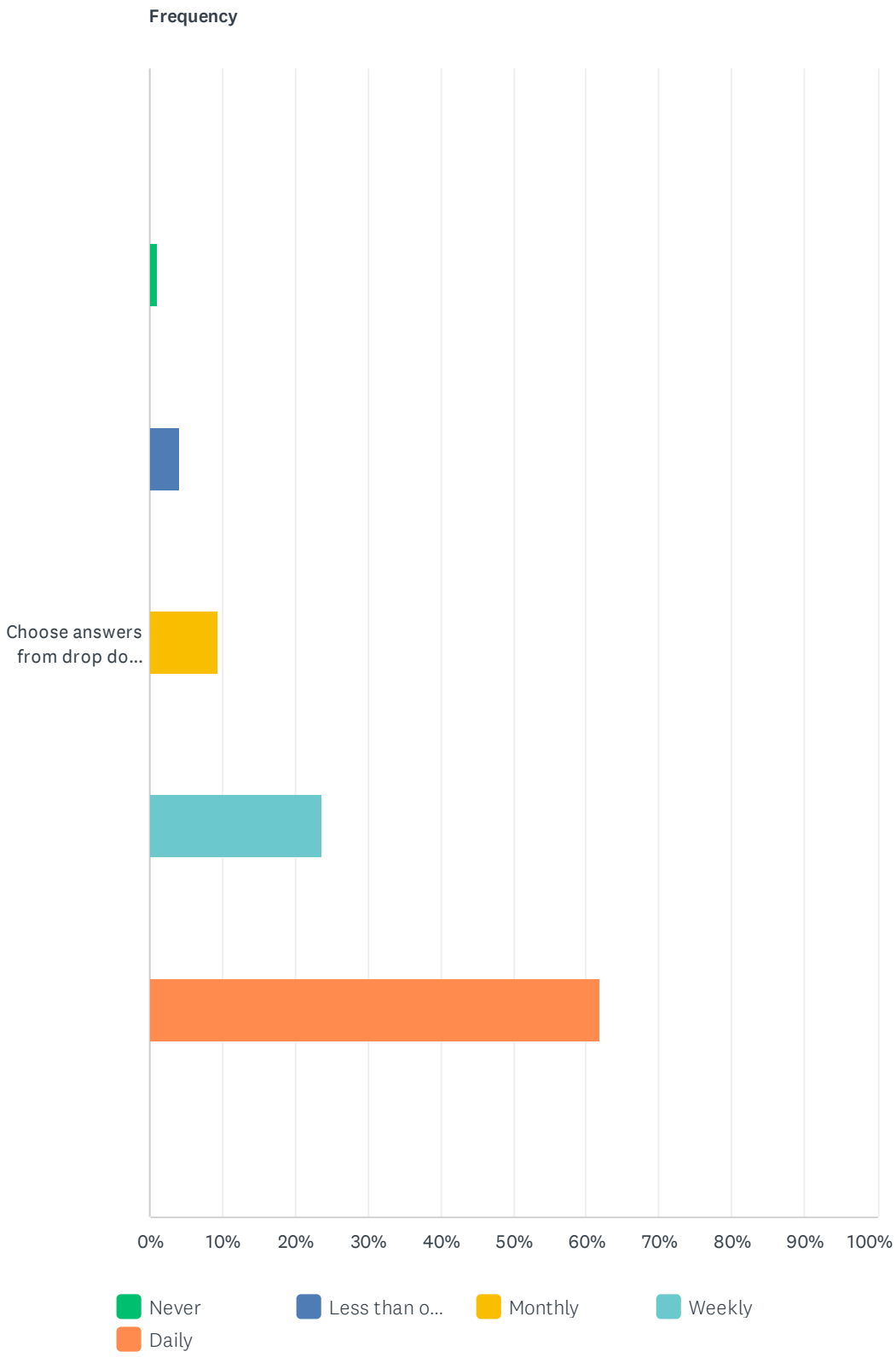

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.33%<br>1 | 3.34%<br>10 | 10.70%<br>32 | 28.76%<br>86 | 56.86%<br>170 | 299 |

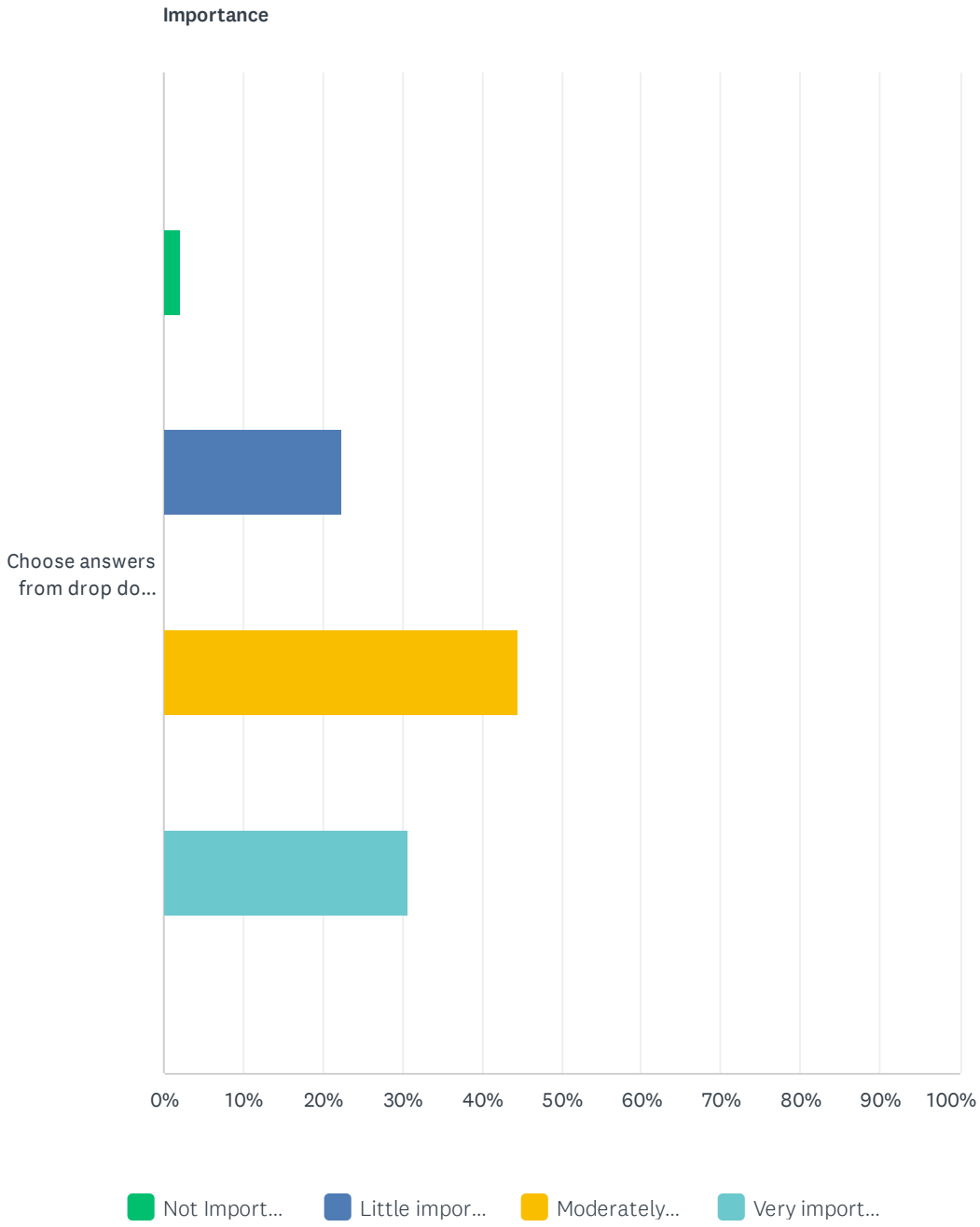
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.34%<br>1 | 10.00%<br>29 | 44.14%<br>128 | 45.52%<br>132 | 290 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 14.18%<br>40 | 28.72%<br>81 | 34.75%<br>98 | 22.34%<br>63 | <br>282 |

# Q81 3.1.1.9 Obtaining general demographic information.

Answered: 299 Skipped: 911

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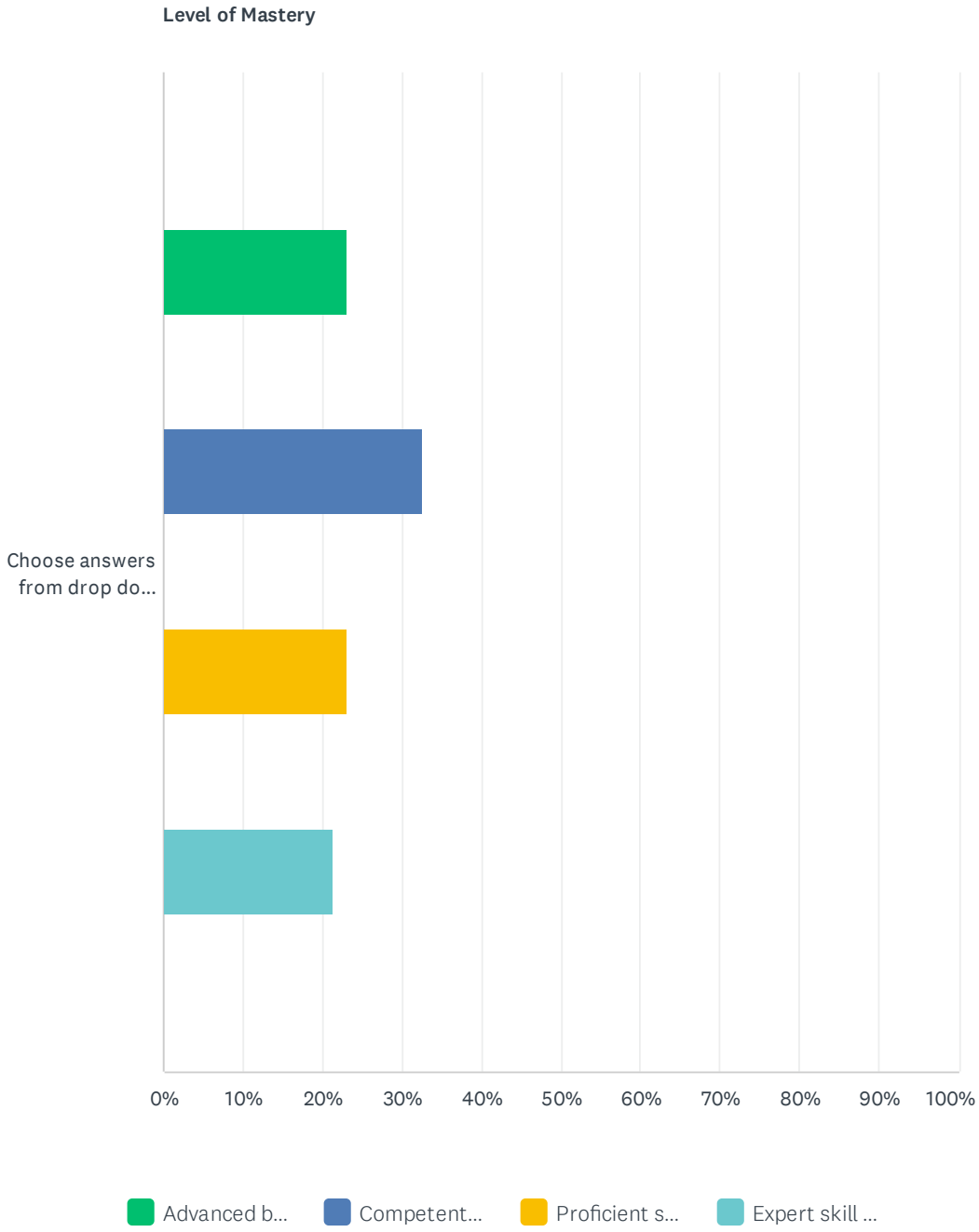


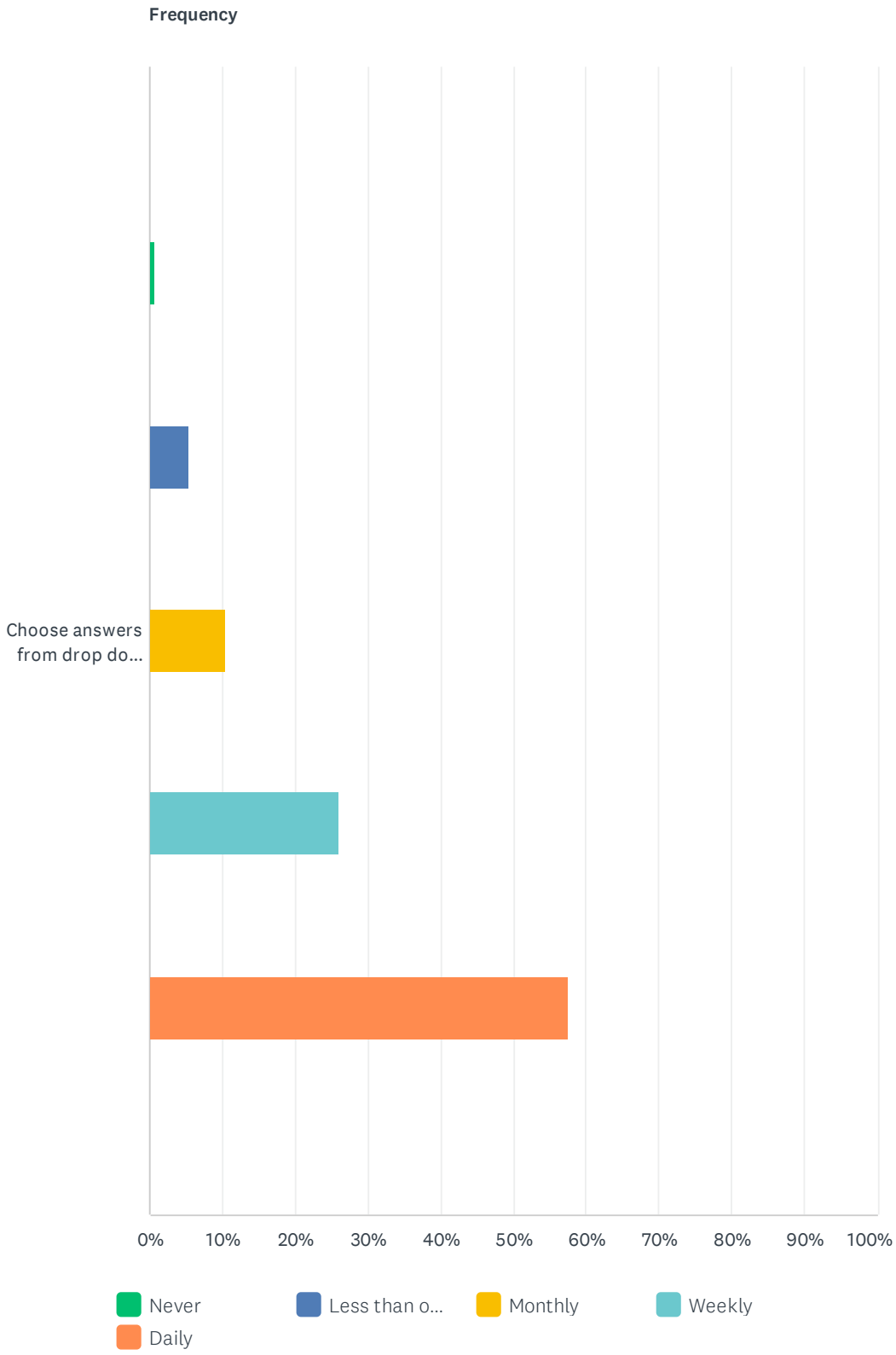

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.00%<br>3 | 4.01%<br>12 | 9.36%<br>28 | 23.75%<br>71 | 61.87%<br>185 | 299 |

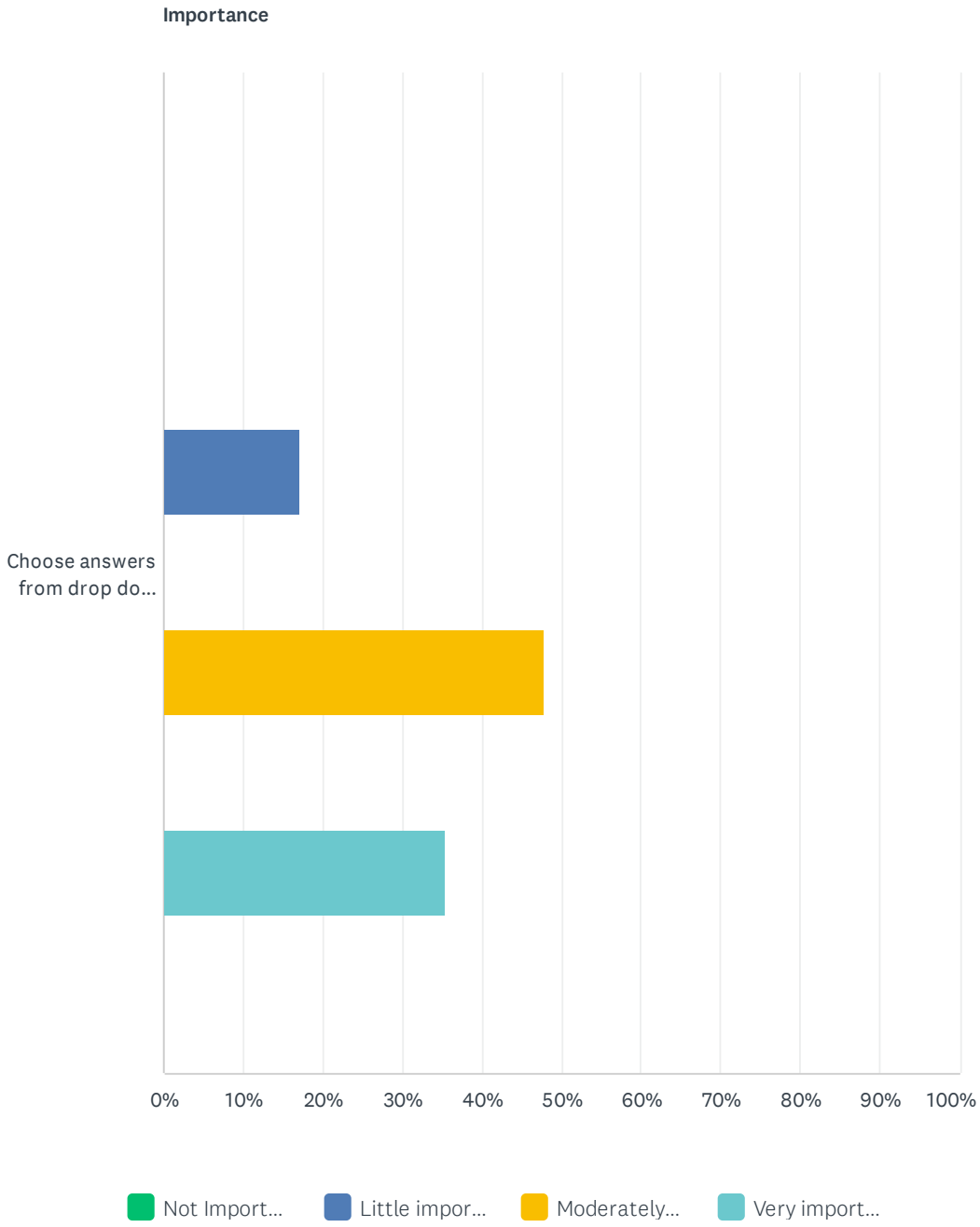
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 2.08%<br>6 | 22.49%<br>65 | 44.64%<br>129 | 30.80%<br>89 | 289 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 23.05%<br>65 | 32.62%<br>92 | 23.05%<br>65 | 21.28%<br>60 | 282 |

# Q82 3.1.1.10 Obtaining data on living environment and community characteristics.

Answered: 299 Skipped: 911

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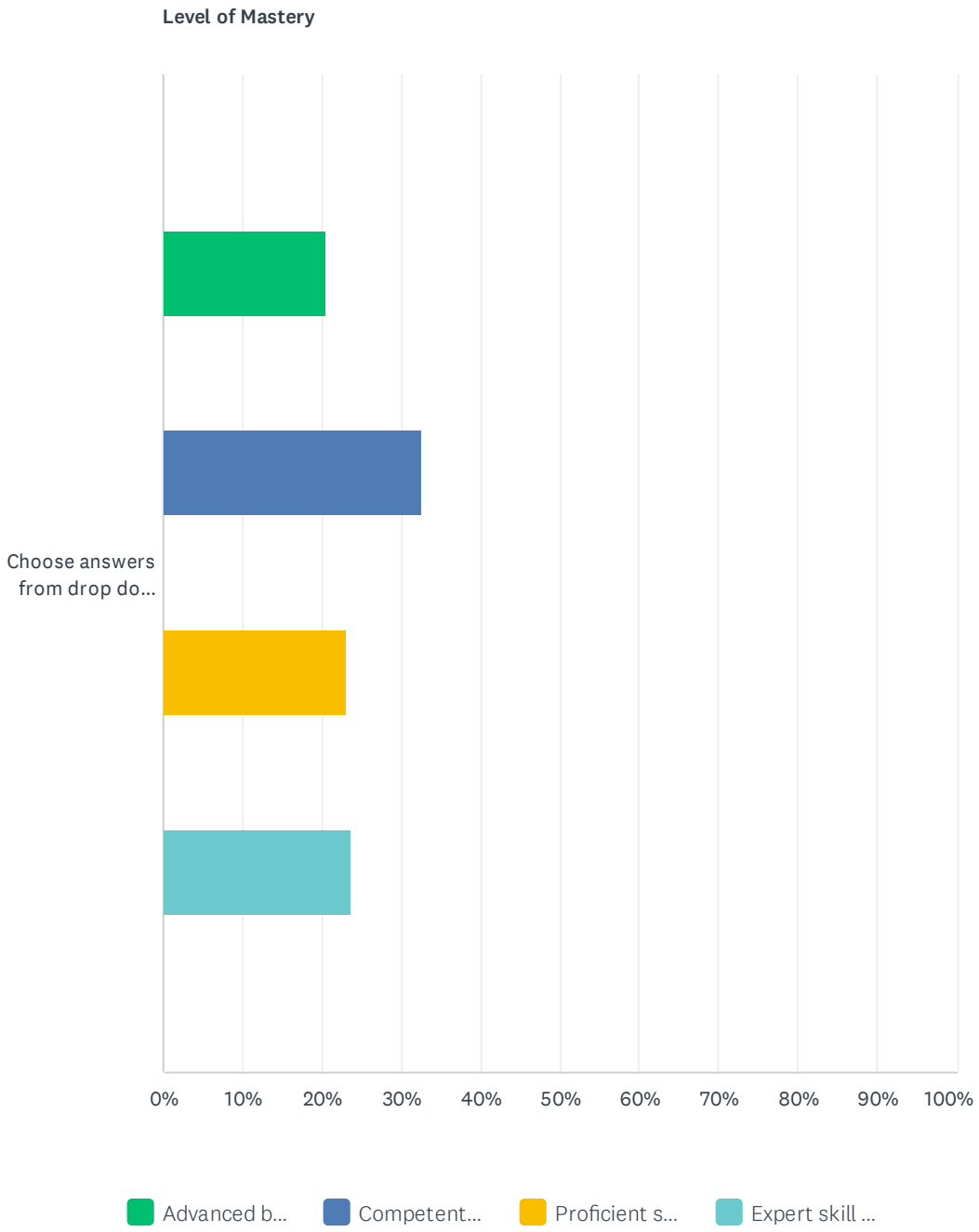


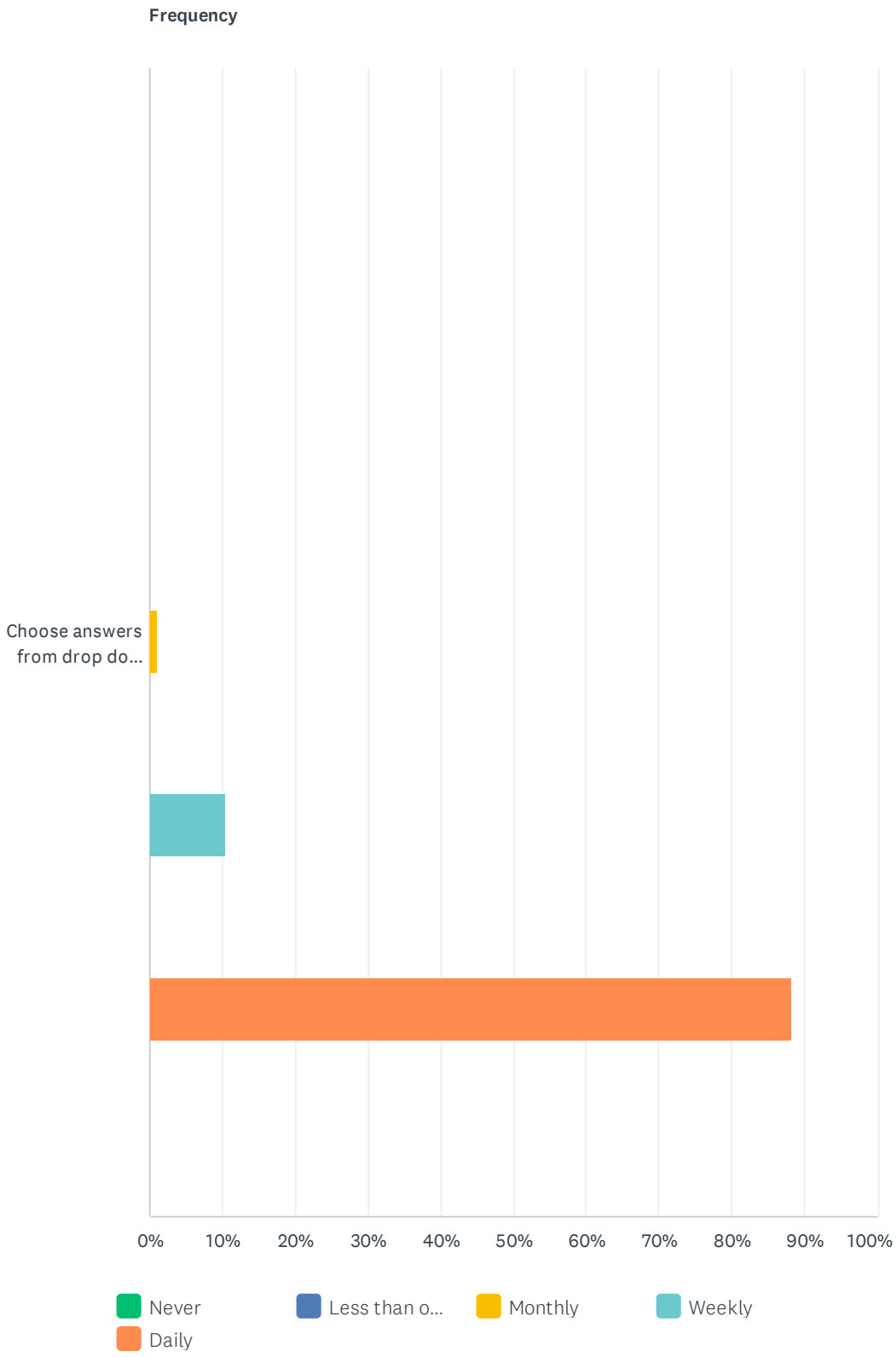

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.67%<br>2 | 5.35%<br>16 | 10.37%<br>31 | 26.09%<br>78 | 57.53%<br>172 | 299 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 16.96%<br>49 | 47.75%<br>138 | 35.29%<br>102 | 289 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 20.57%<br>58 | 32.62%<br>92 | 23.05%<br>65 | 23.76%<br>67 | 282 |

# Q83 3.1.2.1 Developing a working hypothesis of the physical therapy diagnosis that includes, nature and severity of problem(s), probable cause(s) of problem(s), anatomical structures involved, stage of condition, possible contraindications to physical therapy examination.

Answered: 276 Skipped: 934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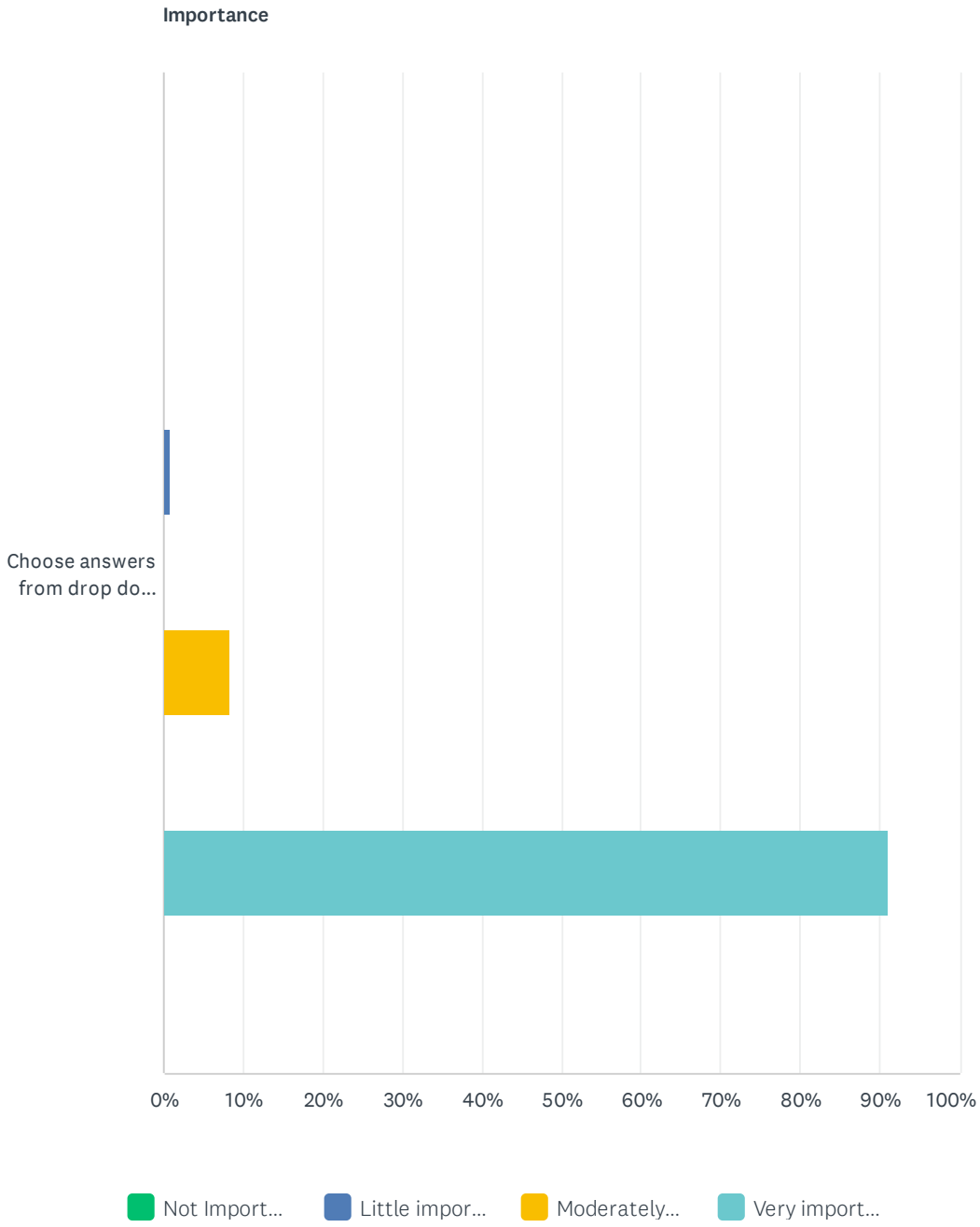
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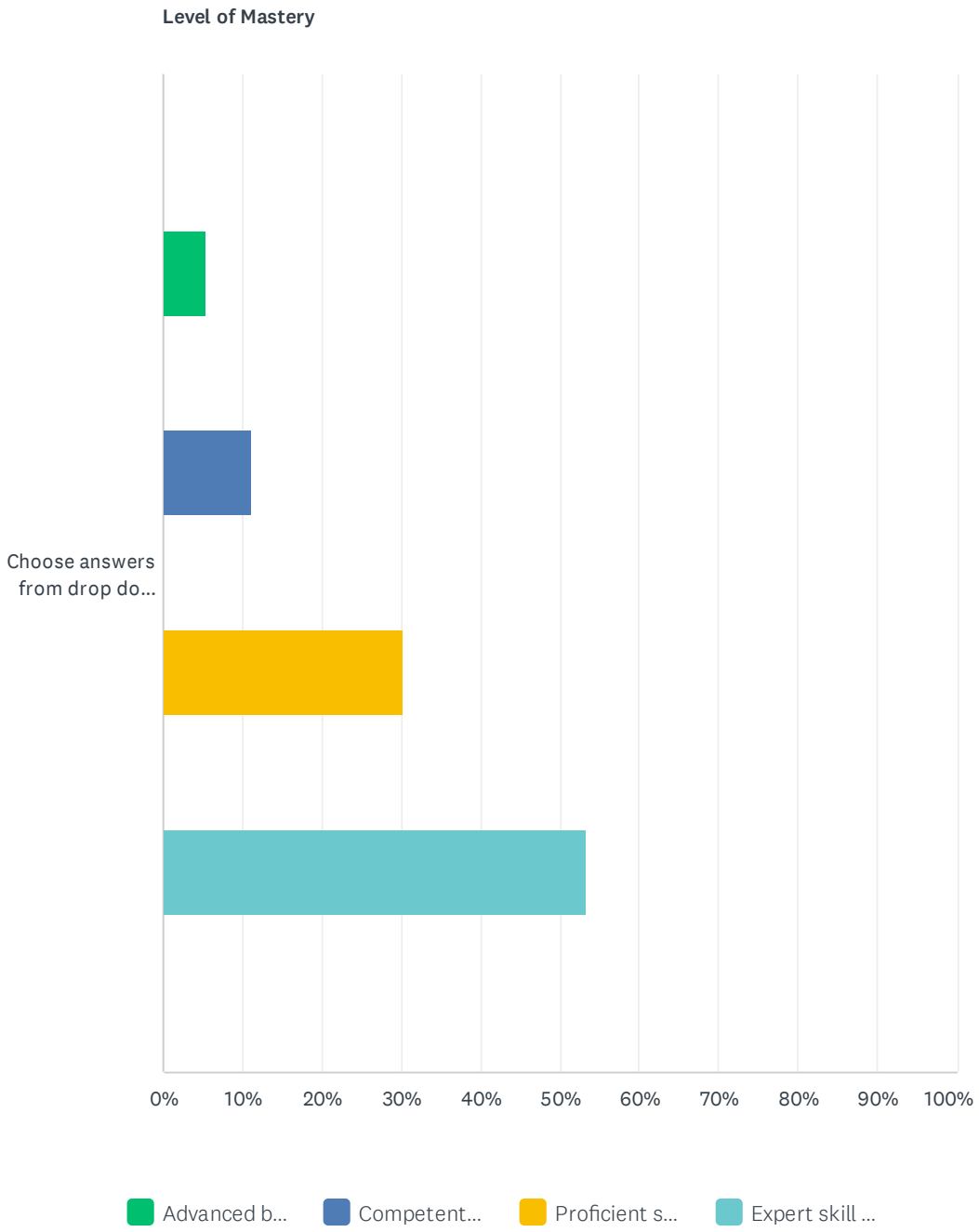


| Frequency | | | | | | |
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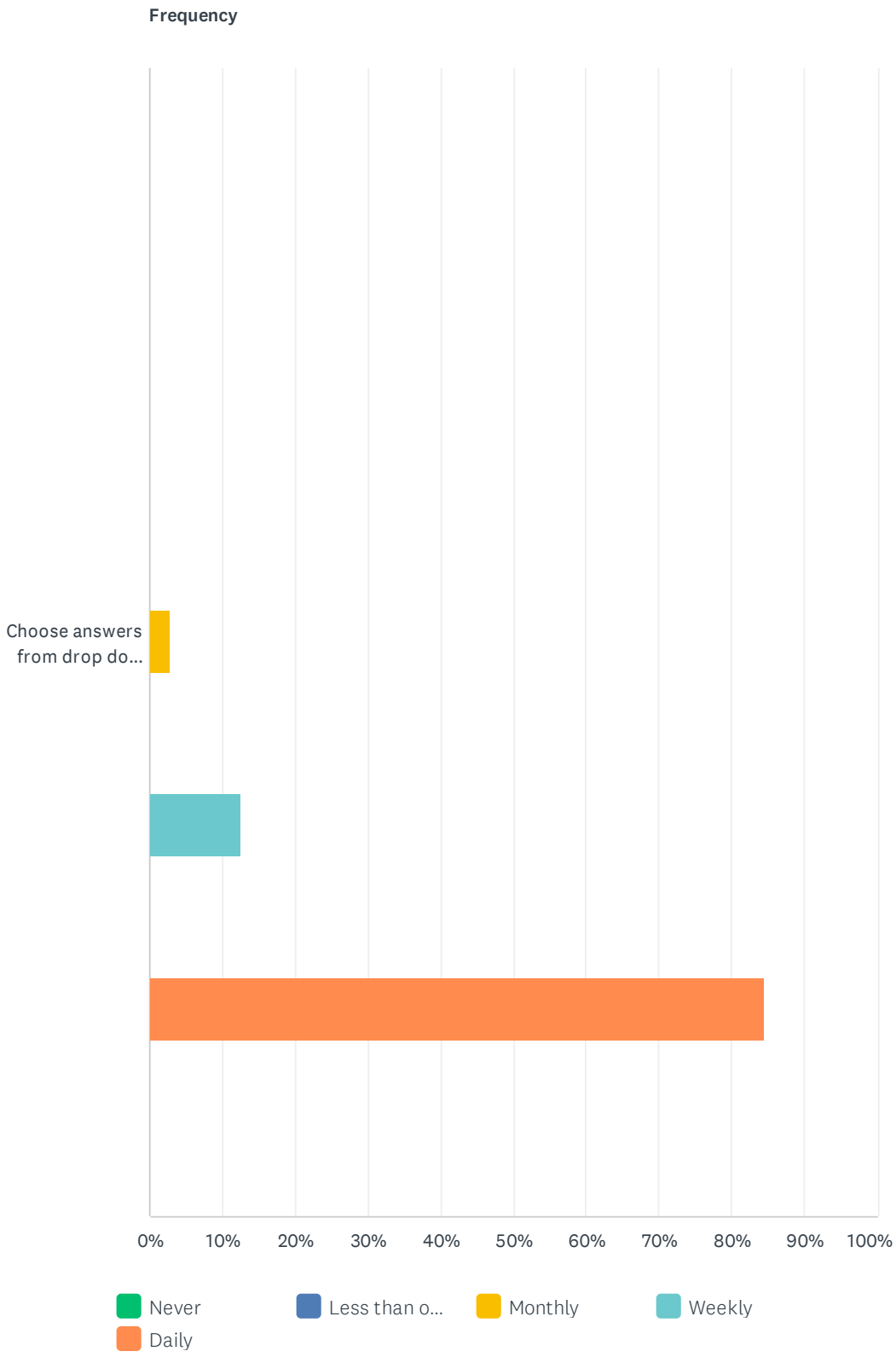
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 1.09%<br>3 | 10.55%<br>29 | 88.36%<br>243 | 275 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.75%<br>2 | 8.24%<br>22 | 91.01%<br>243 | 267 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 5.36%<br>14 | 11.11%<br>29 | 30.27%<br>79 | 53.26%<br>139 | <br>261 |

# Q84 3.1.2.2 Assessing "red flags" and determining need based upon whether patient demonstrates neuromusculoskeletal problems responsive to physical therapy intervention or condition(s) requiring referral to another health care provider.

Answered: 278 Skipped: 932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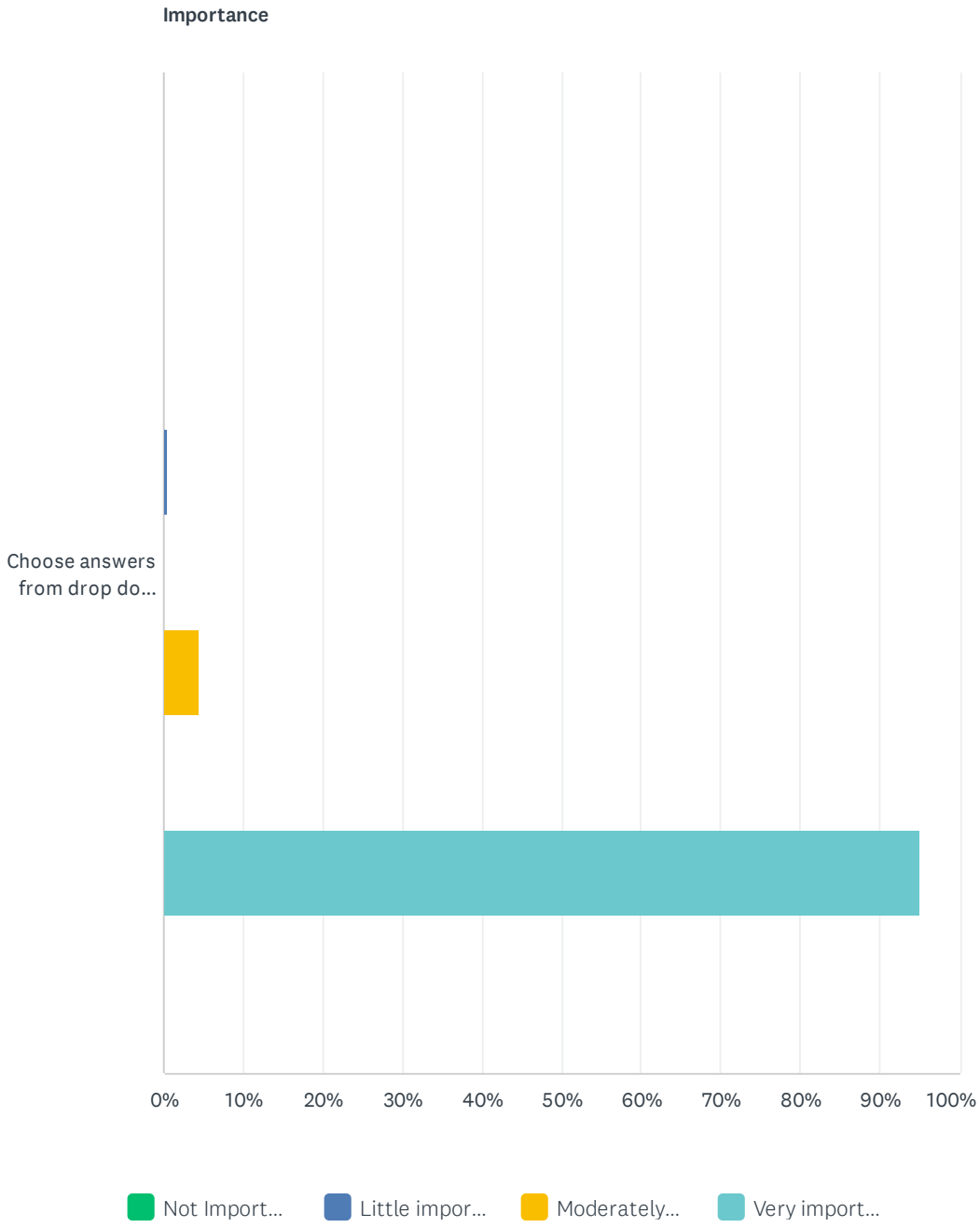
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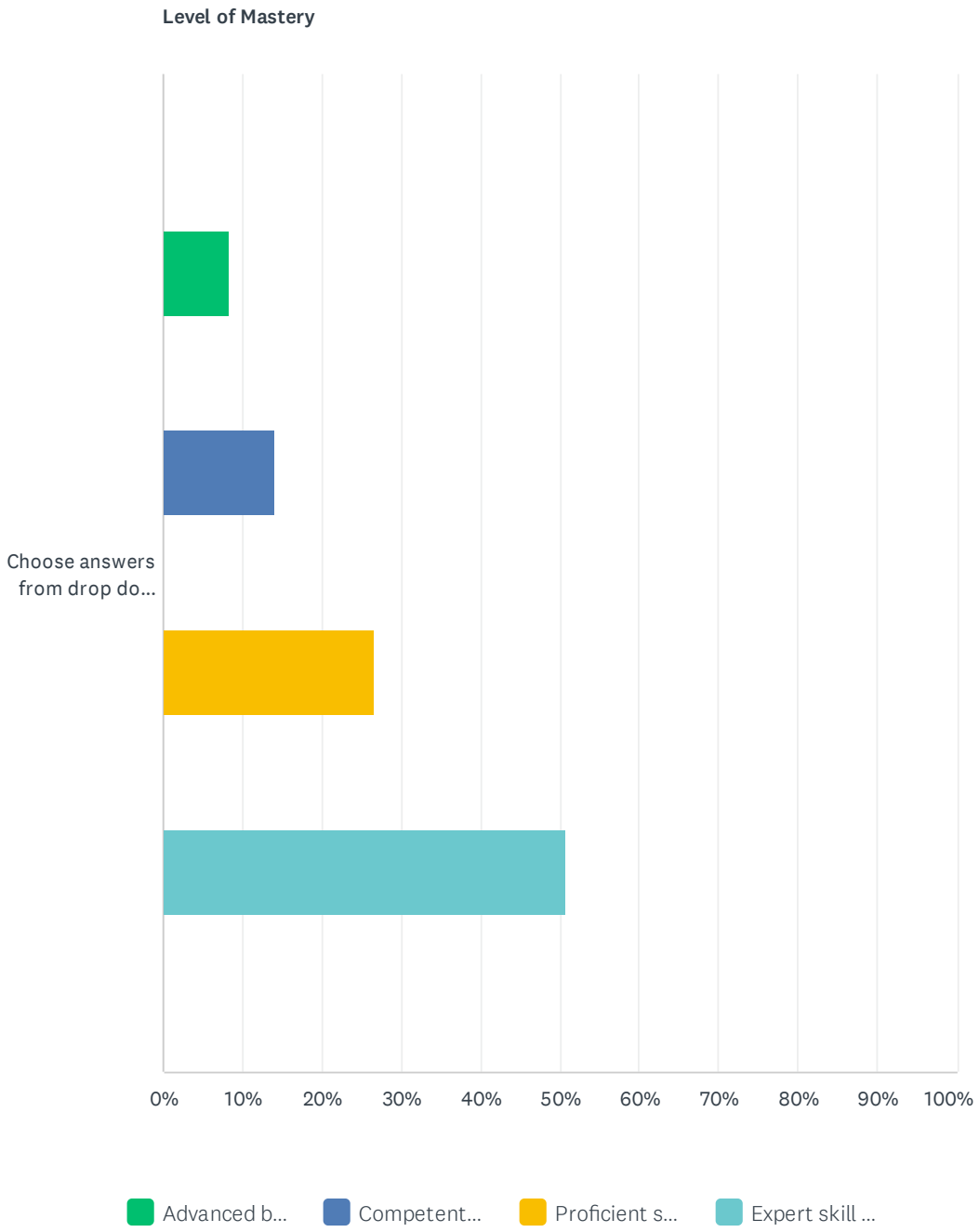


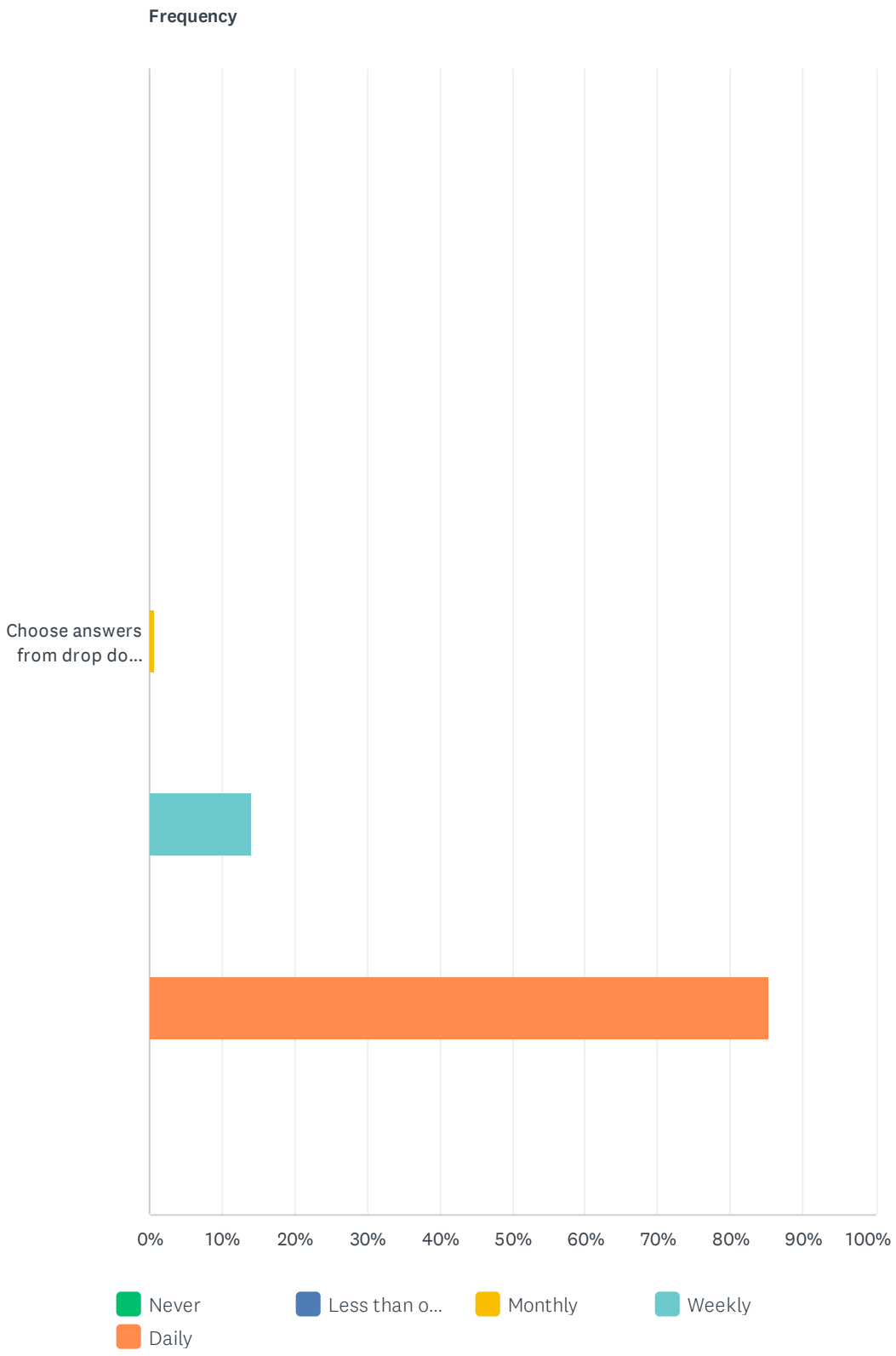

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 2.88%<br>8 | 12.59%<br>35 | 84.53%<br>235 | 278 |

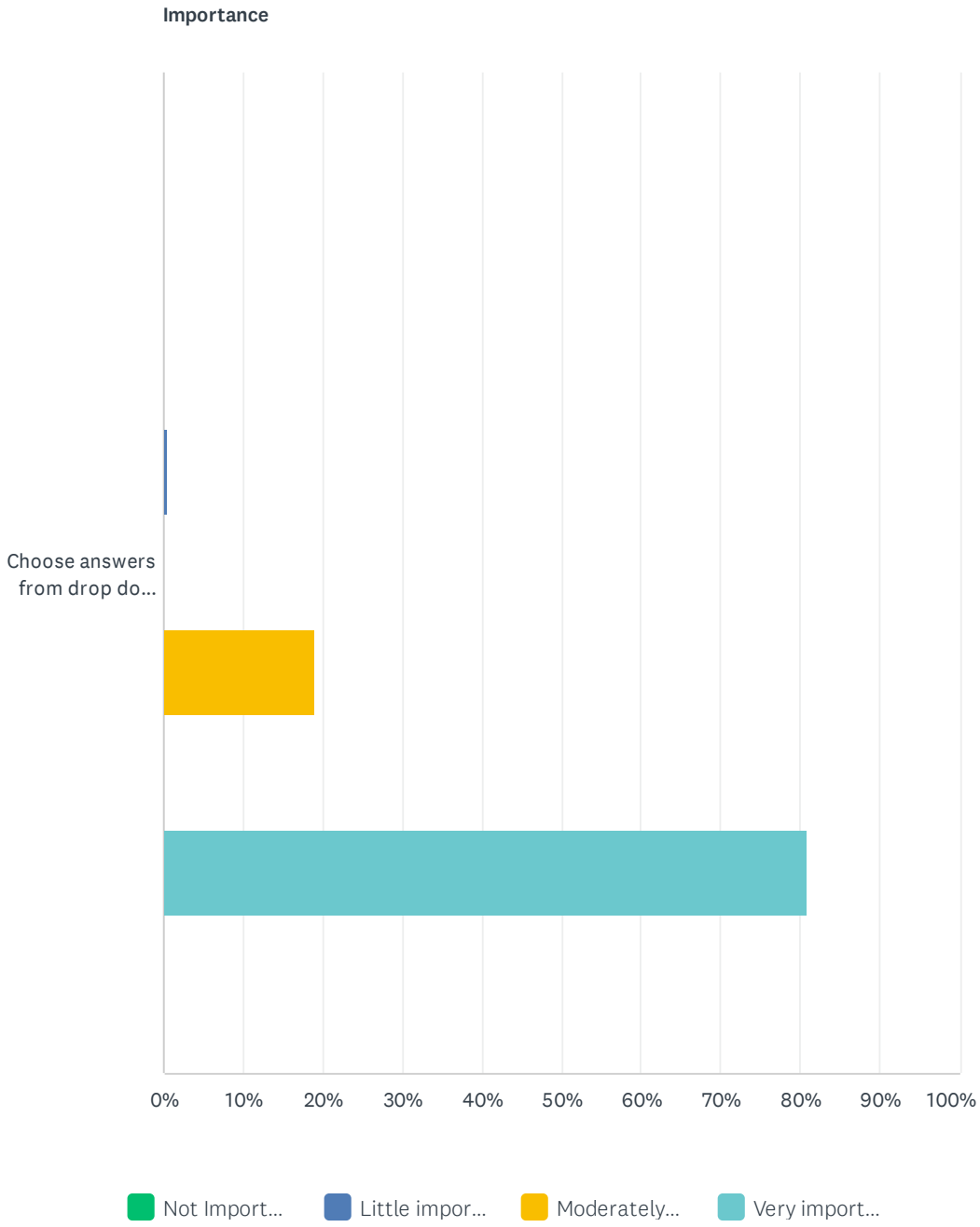
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.37%<br>1 | 4.46%<br>12 | 95.17%<br>256 | 269 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 8.40%<br>22 | 14.12%<br>37 | 26.72%<br>70 | 50.76%<br>133 | <br>262 |

# Q85 3.1.2.3 Identifying chief and secondary problems.

Answered: 278 Skipped: 932

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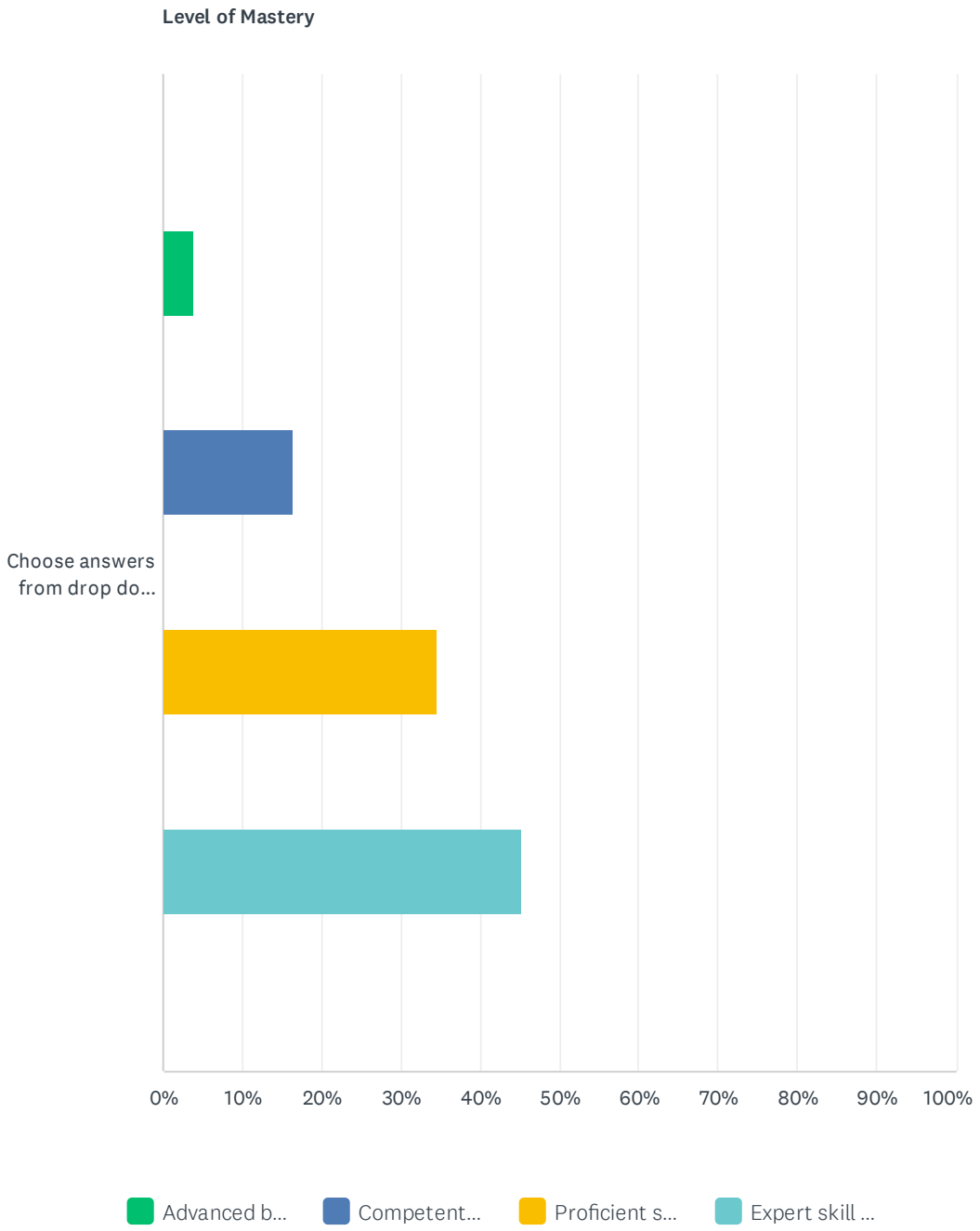


| Frequency | | | | | | |
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| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 0.72%<br>2 | 14.03%<br>39 | 85.25%<br>237 | 278 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.37%<br>1 | 18.89%<br>51 | 80.74%<br>218 | 270 |

| Level of Mastery | | | | | |
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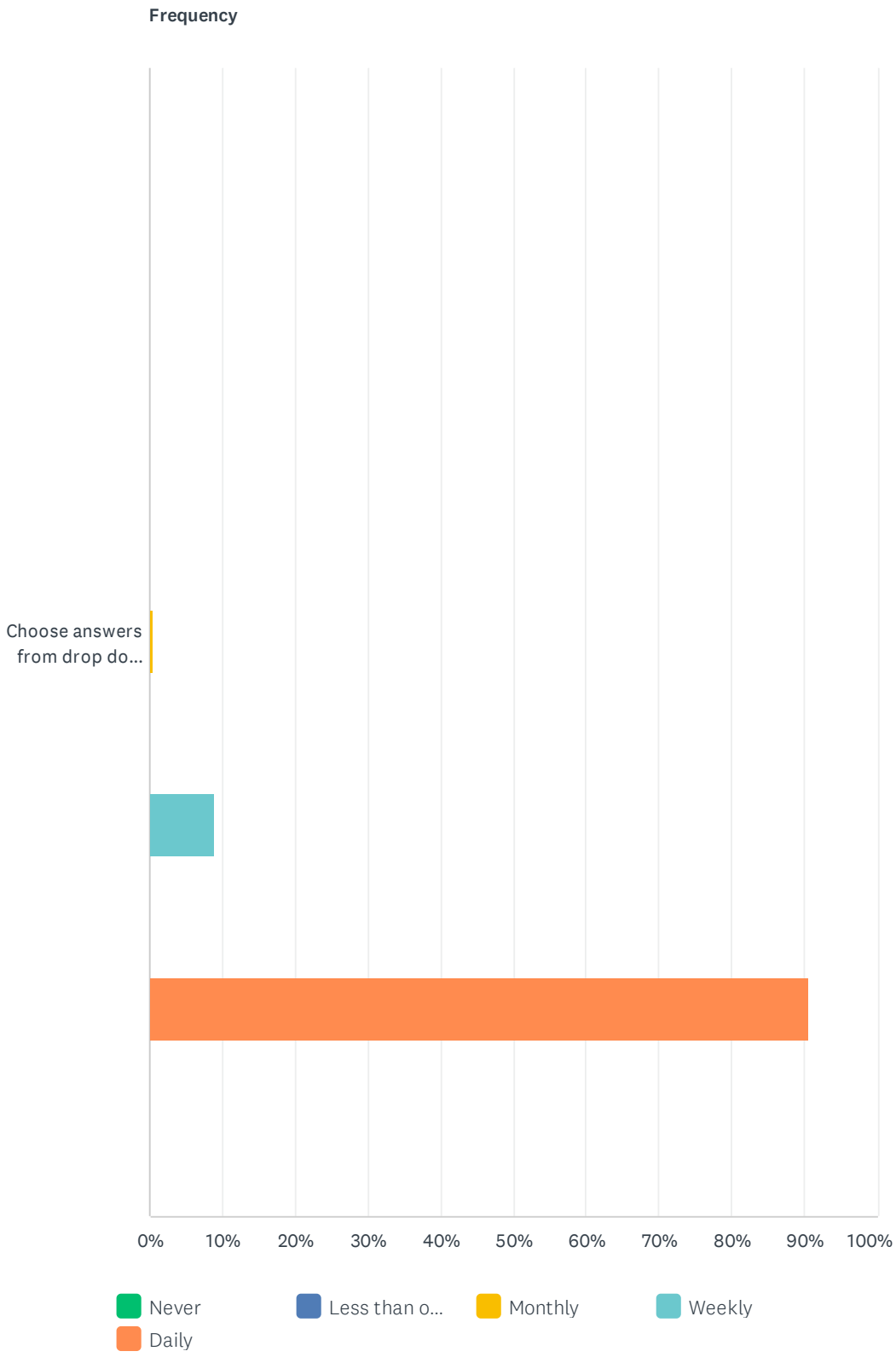
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 3.80%<br>10 | 16.35%<br>43 | 34.60%<br>91 | 45.25%<br>119 | <br>263 |

# Q86 3.1.3.1 Includes examination techniques with a high probability of changing (reproducing or relieving) the chief concern and contributing to the development and refinement of the working hypothesis(es).

Answered: 277 Skipped: 933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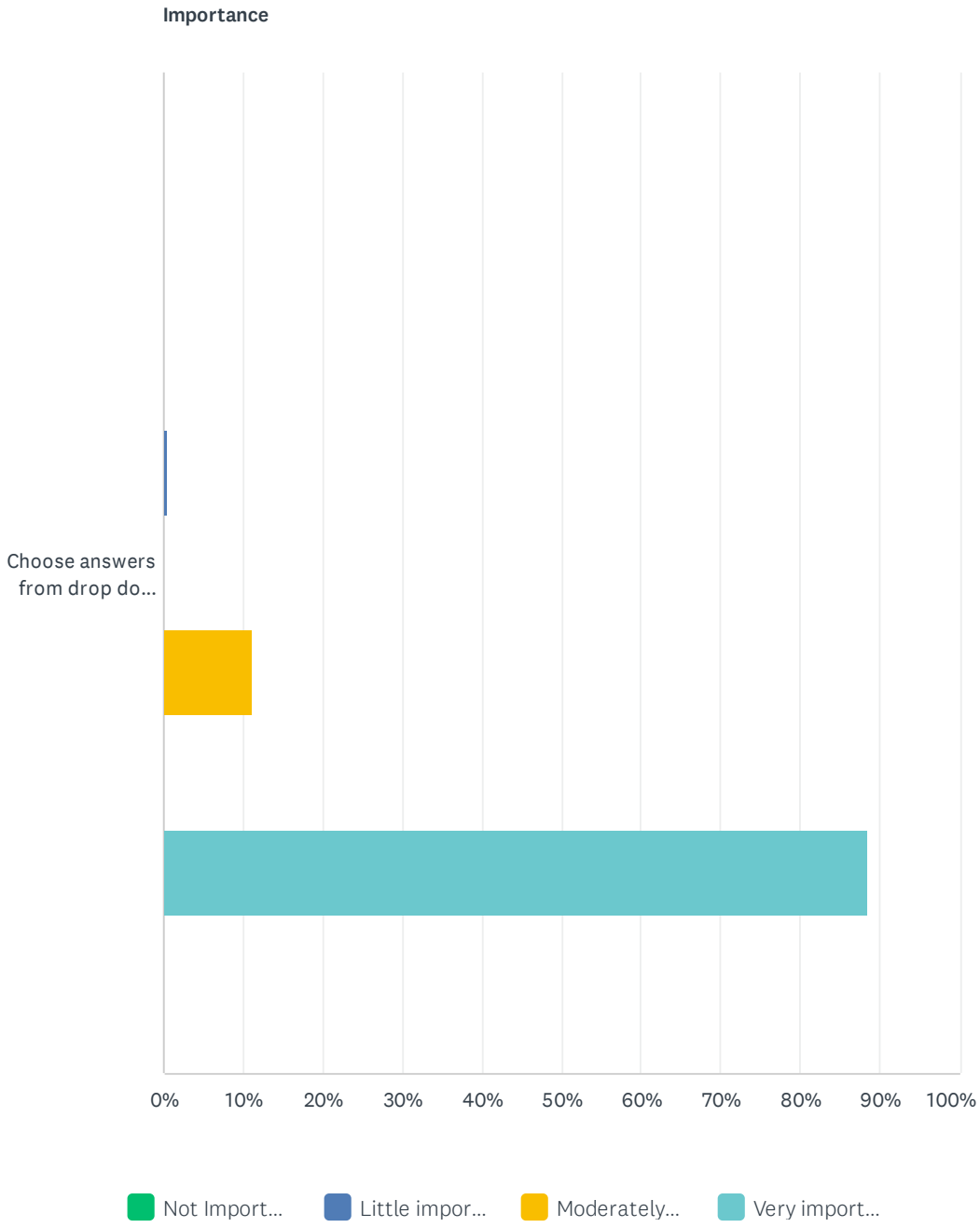
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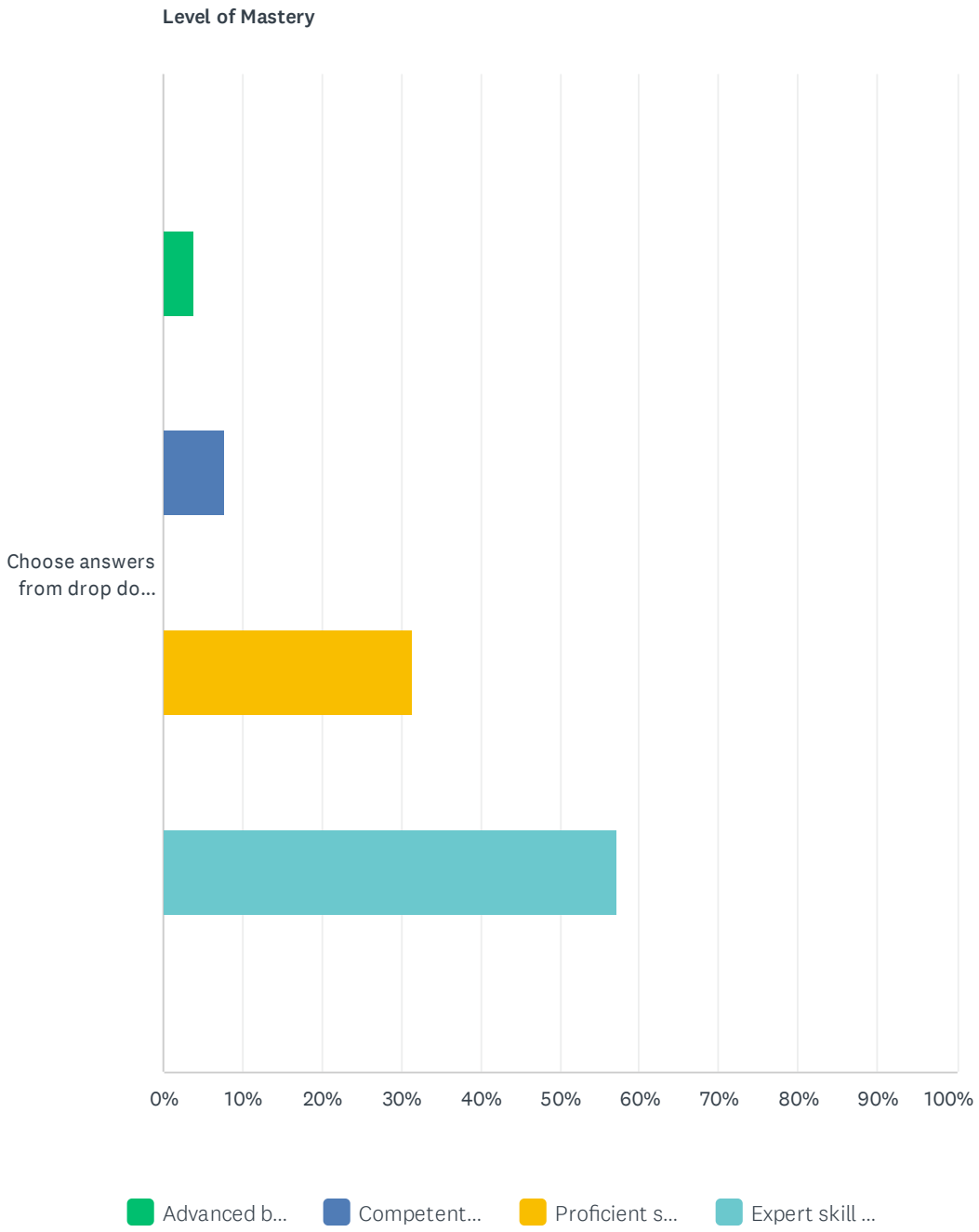


| Frequency | | | | | | |
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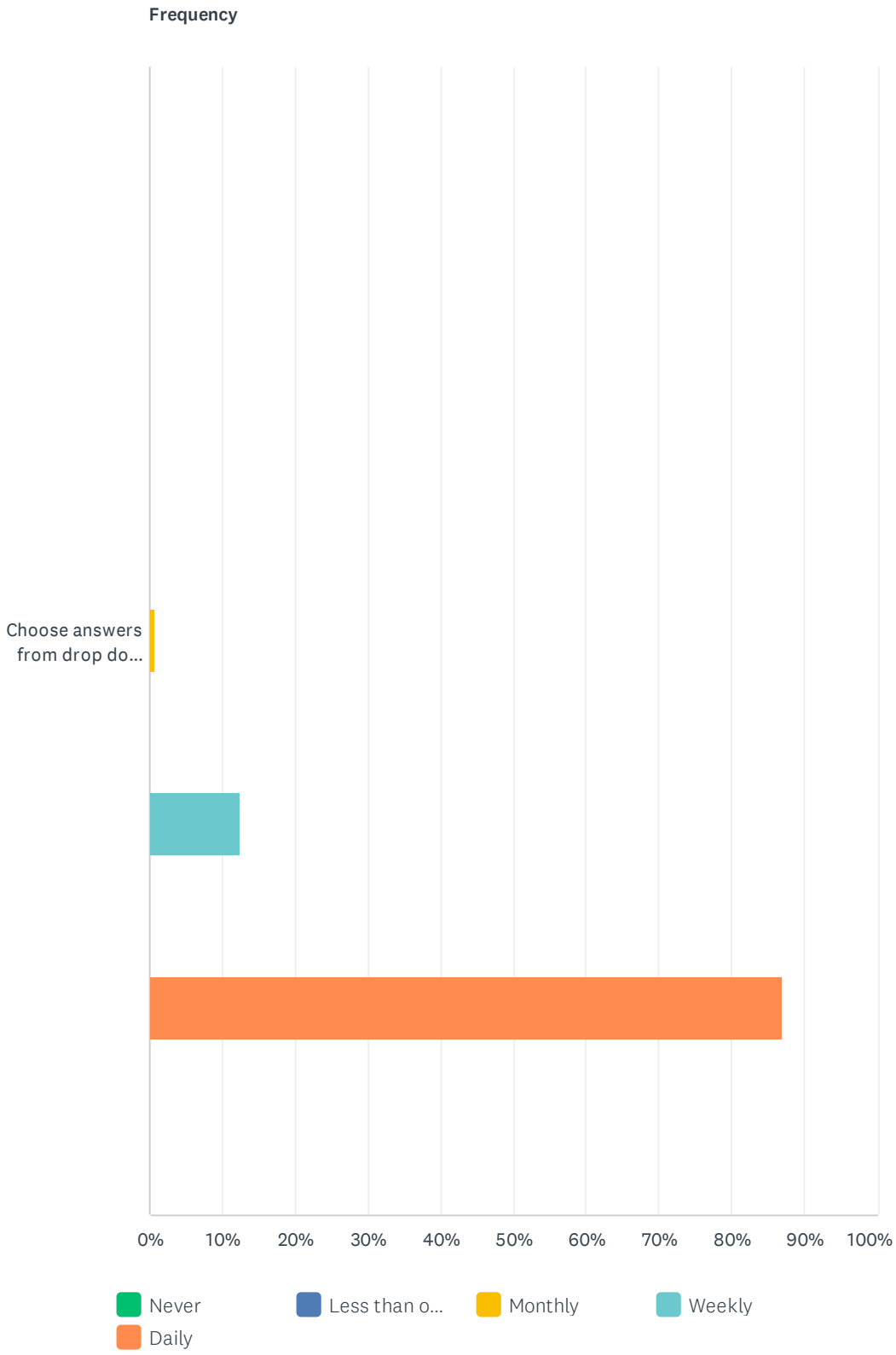
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 0.36%<br>1 | 9.03%<br>25 | 90.61%<br>251 | 277 |

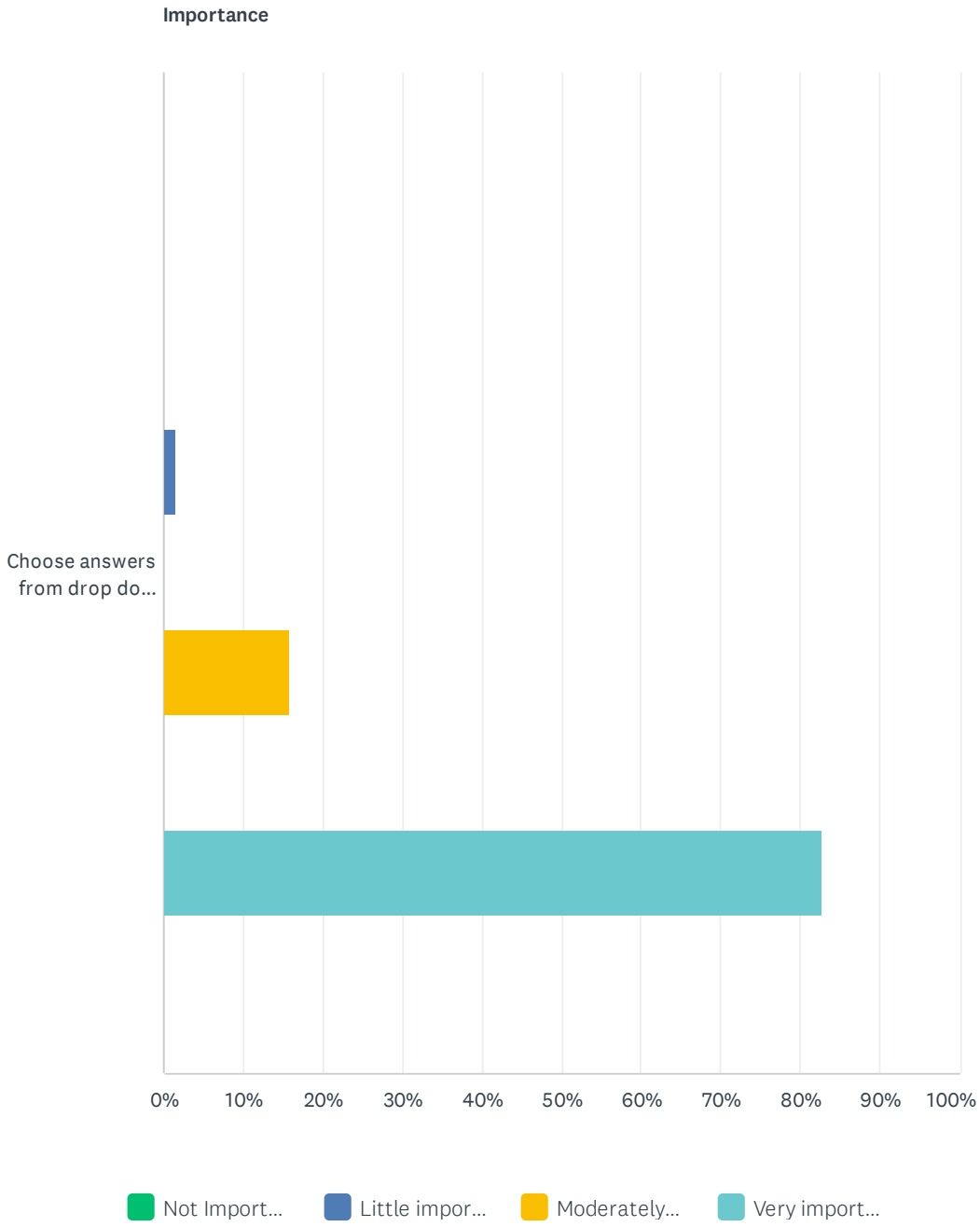
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.37%<br>1 | 11.19%<br>30 | 88.43%<br>237 | 268 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 3.83%<br>10 | 7.66%<br>20 | 31.42%<br>82 | 57.09%<br>149 | <br>261 |

# Q87 3.1.3.2 Is comprehensive but has the focus and detail appropriate to the working hypothesis and the patient’s problems.

Answered: 275 Skipped: 935

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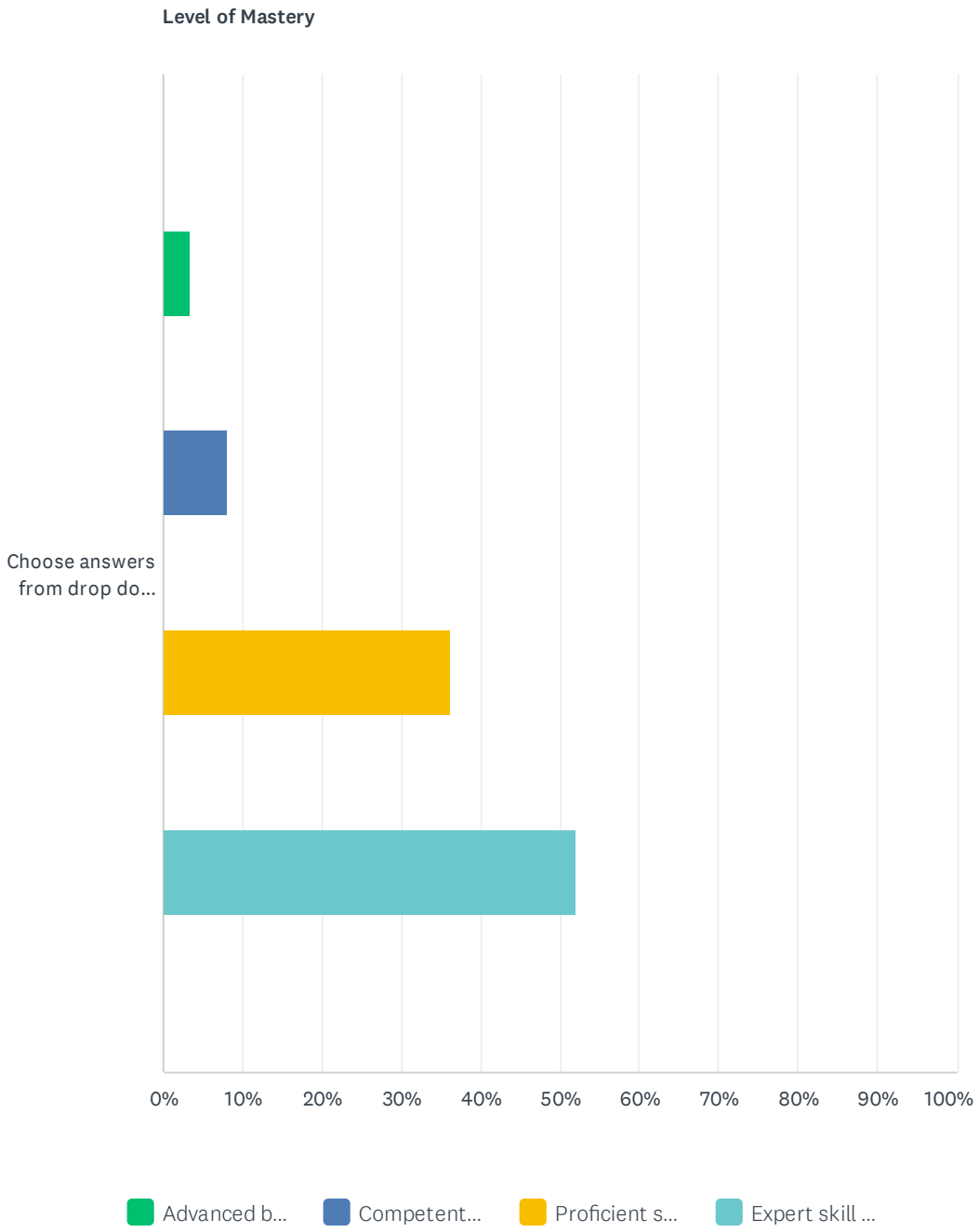


| Frequency | | | | | | |
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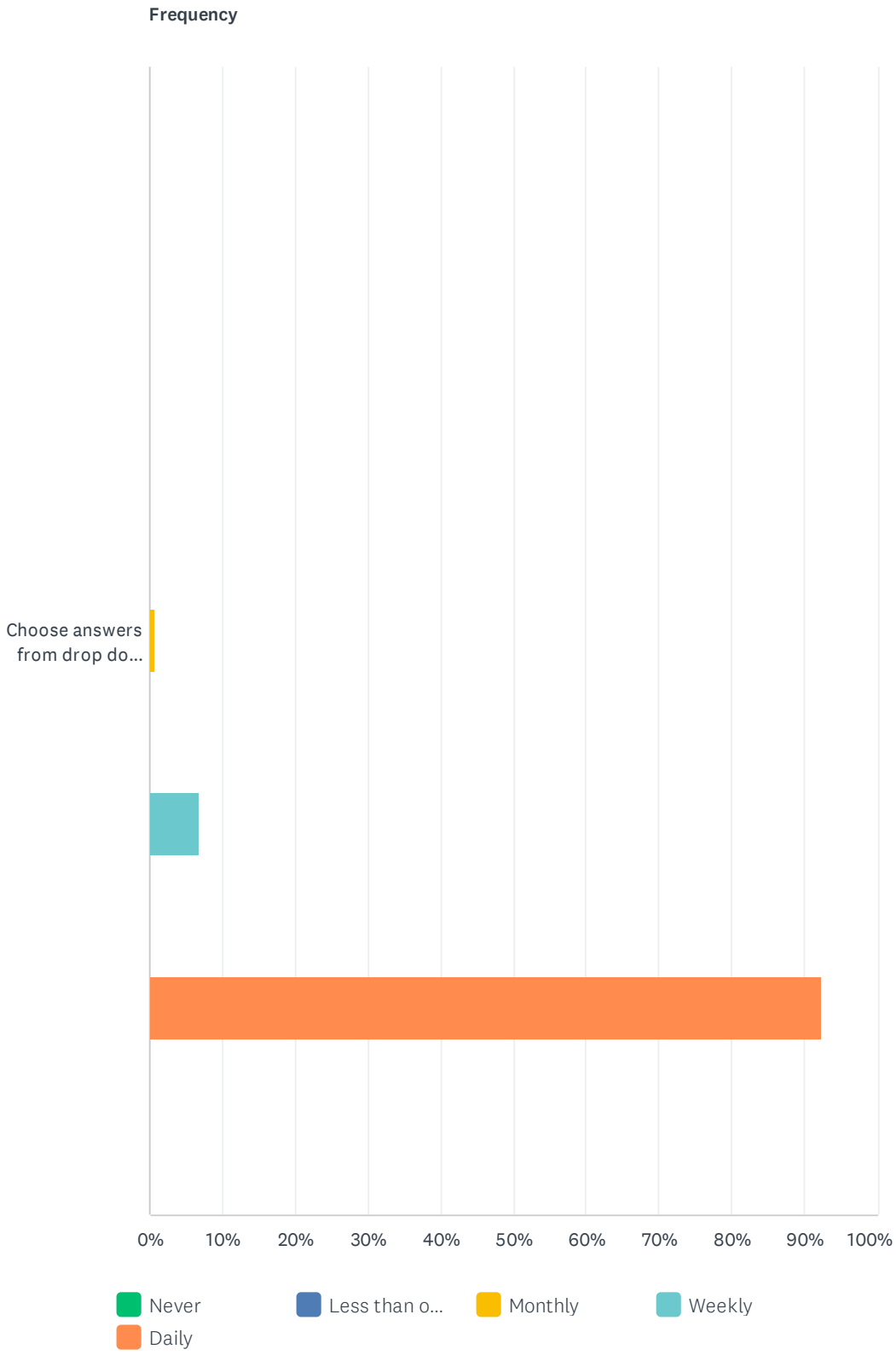
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 0.73%<br>2 | 12.36%<br>34 | 86.91%<br>239 | 275 |

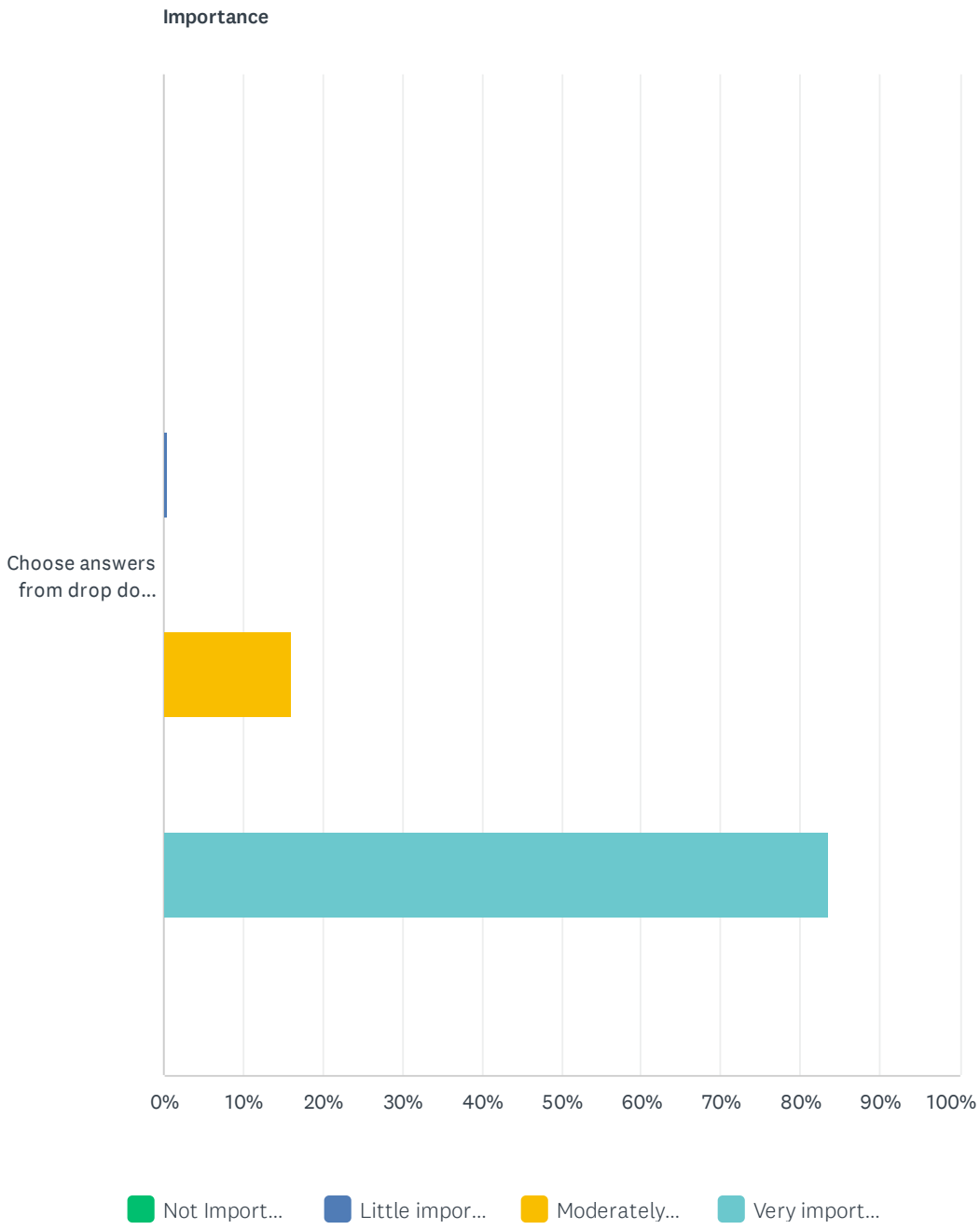
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.50%<br>4 | 15.73%<br>42 | 82.77%<br>221 | 267 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 3.47%<br>9 | 8.11%<br>21 | 36.29%<br>94 | 52.12%<br>135 | <br>259 |

# Q88 3.1.3.3 Considers the nature, severity, and irritability of the symptoms/problems.

Answered: 276 Skipped: 934

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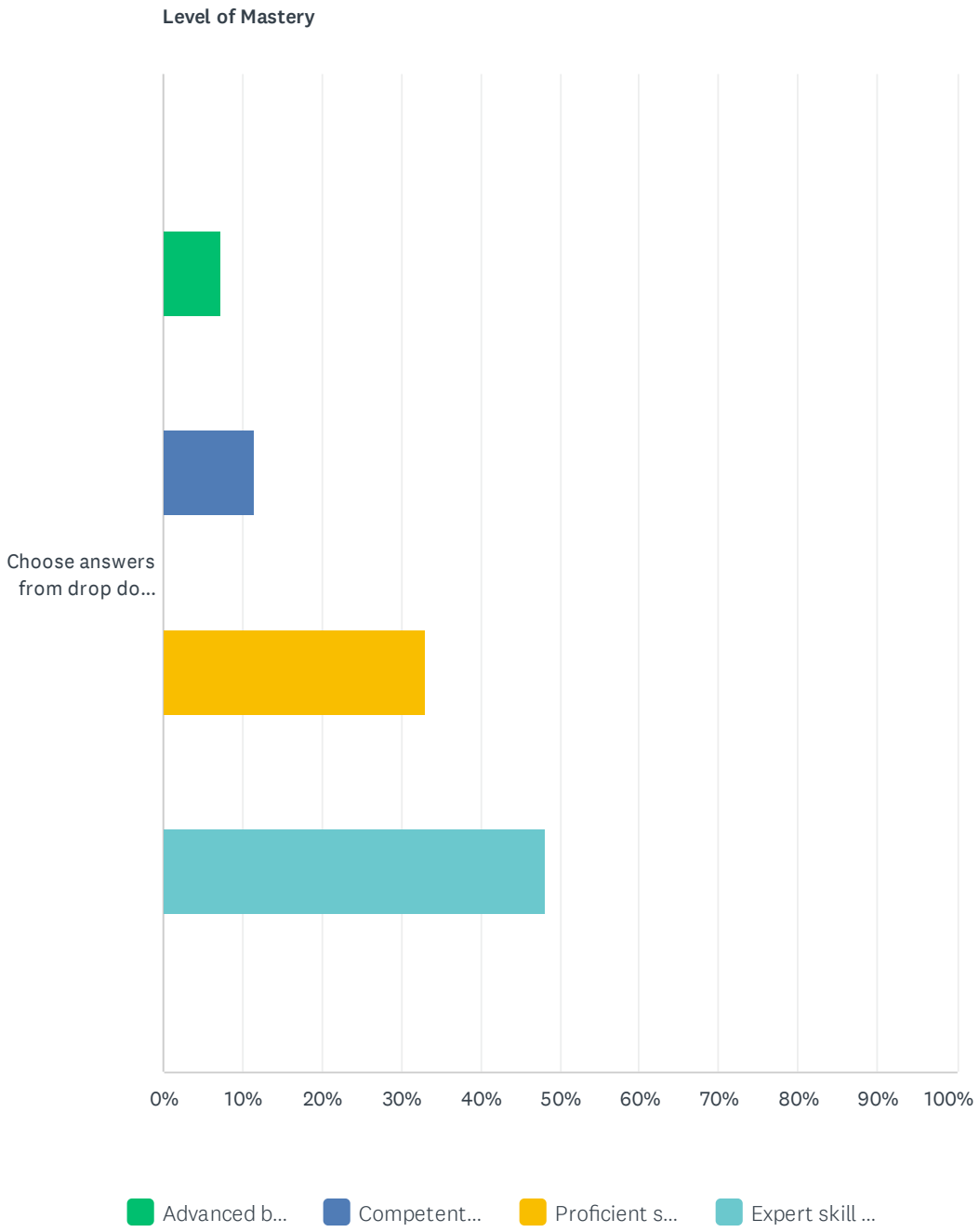


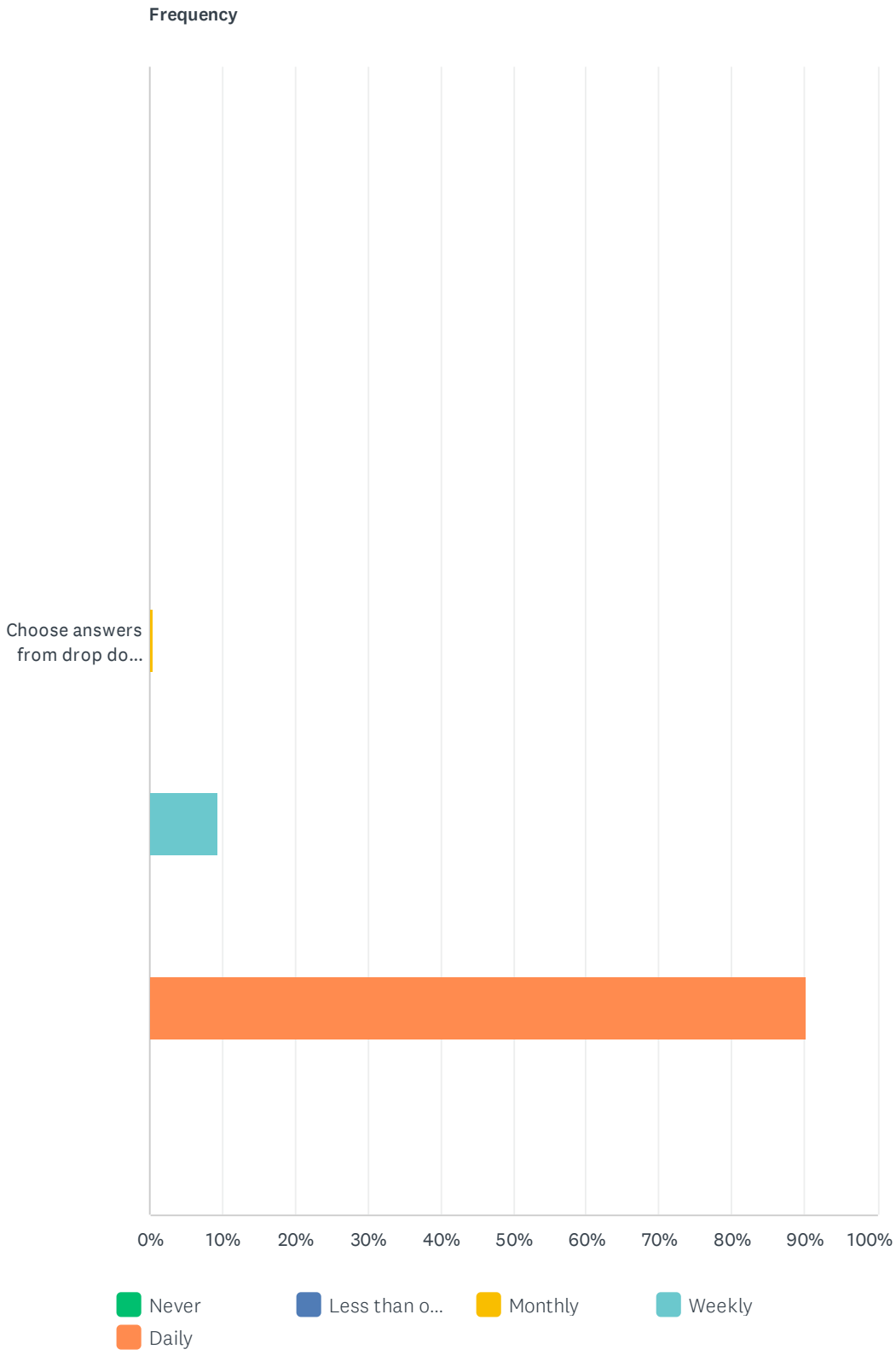

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 0.72%<br>2 | 6.88%<br>19 | 92.39%<br>255 | 276 |

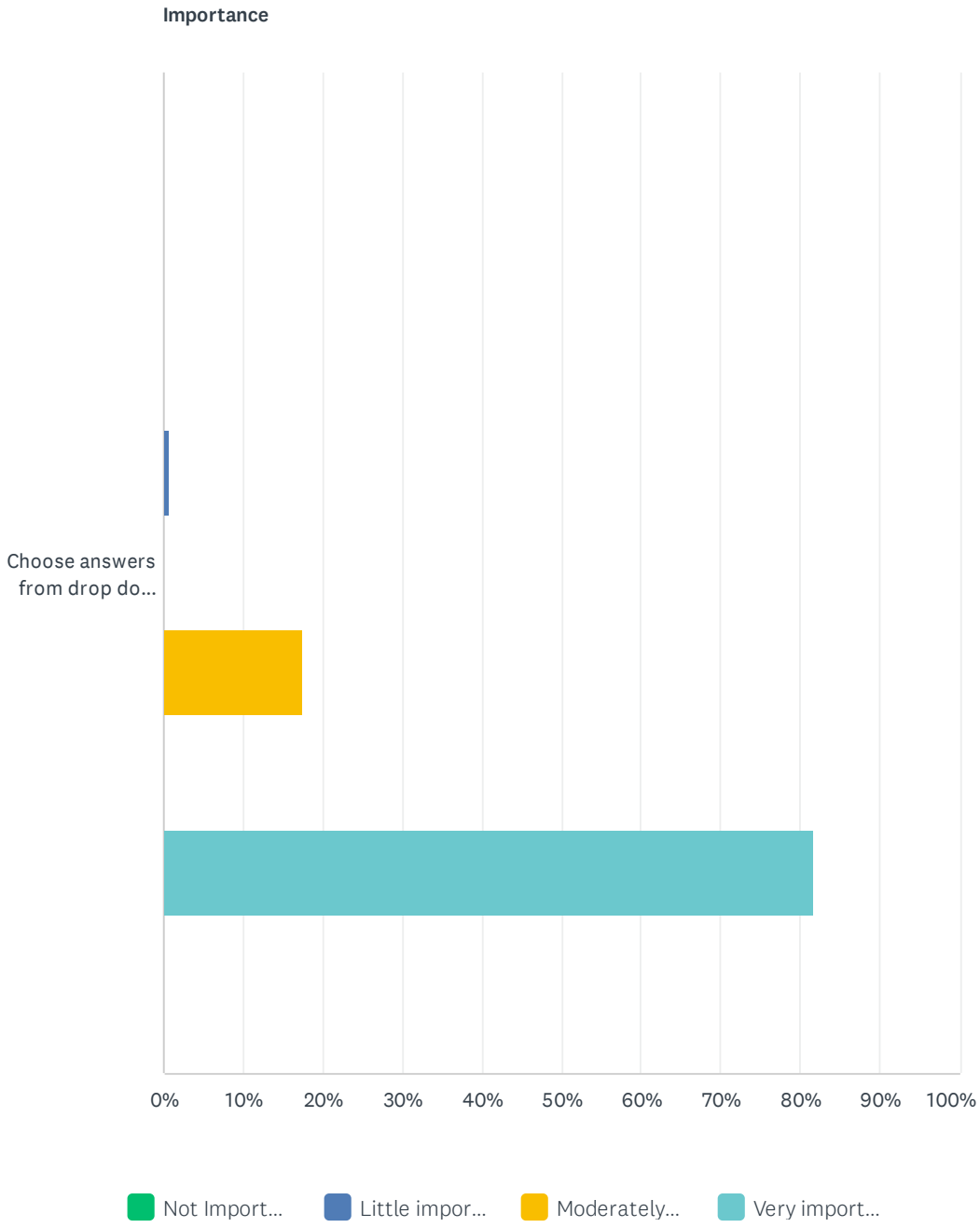
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.37%<br>1 | 16.04%<br>43 | 83.58%<br>224 | 268 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 7.28%<br>19 | 11.49%<br>30 | 32.95%<br>86 | 48.28%<br>126 | <br>261 |

# Q89 3.1.3.4 Prioritizes areas, movements, and functional activities to be examined as well as examination procedures and examination sequence.

Answered: 276 Skipped: 934

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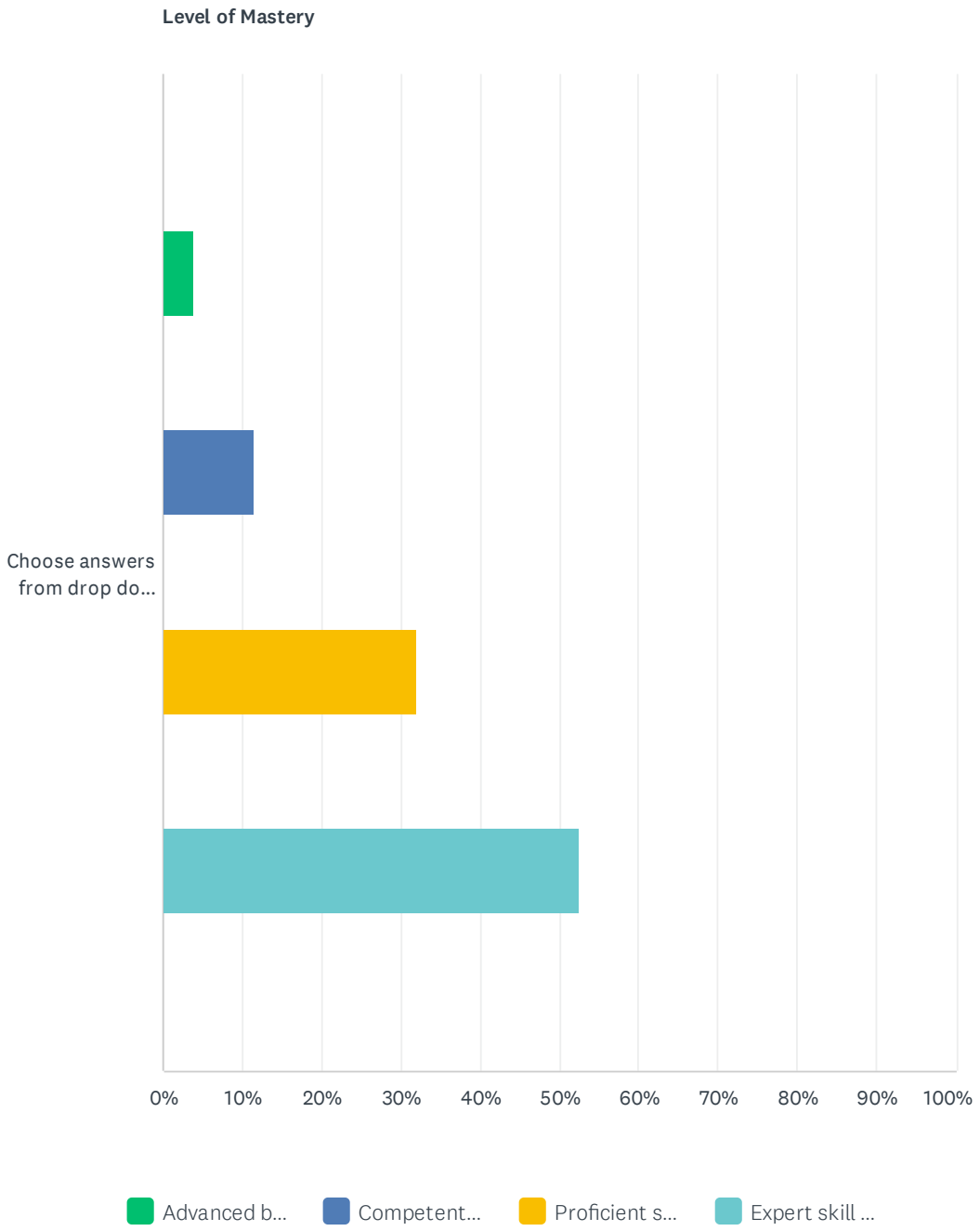


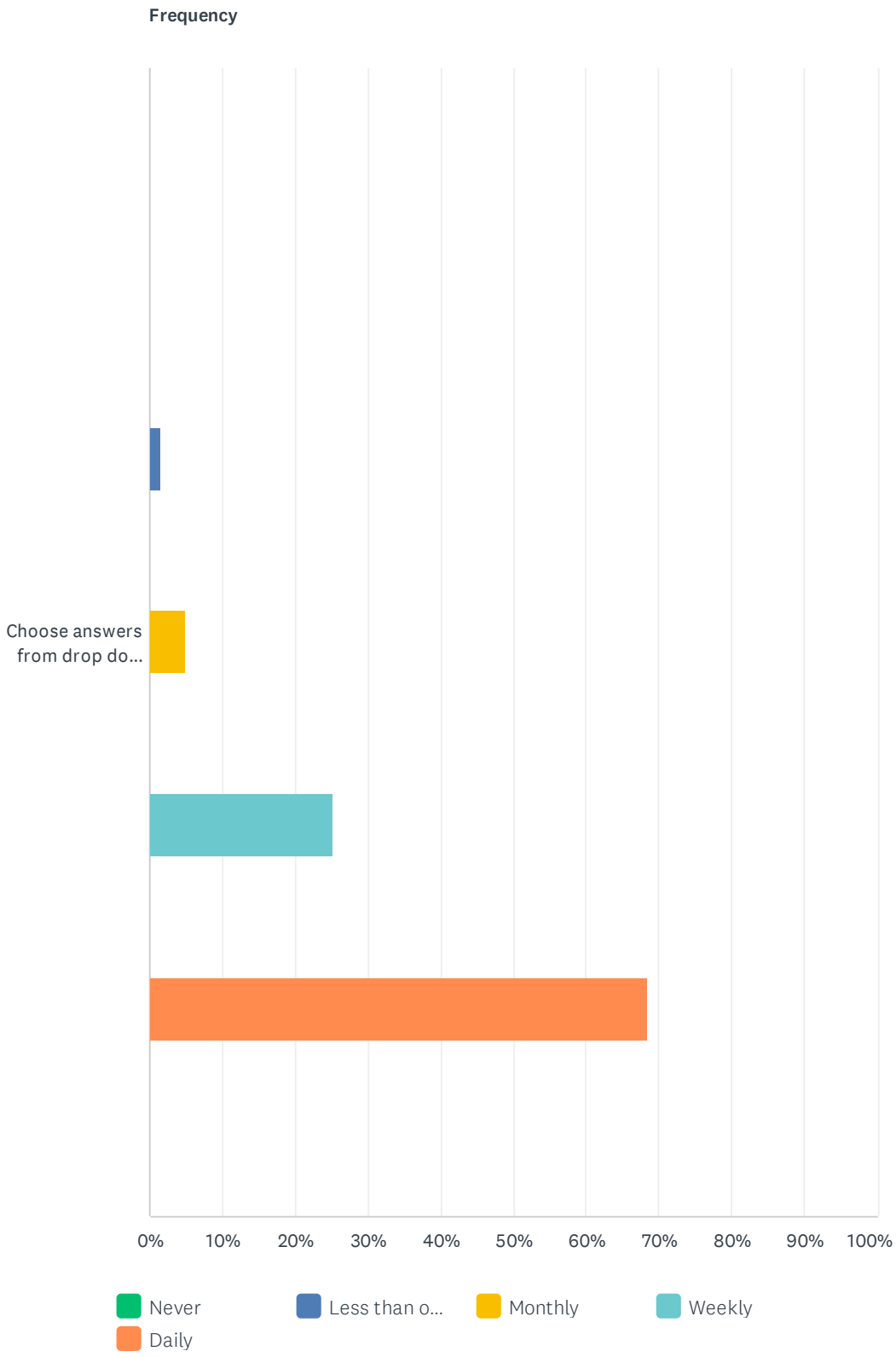

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 0.36%<br>1 | 9.42%<br>26 | 90.22%<br>249 | 276 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.75%<br>2 | 17.54%<br>47 | 81.72%<br>219 | 268 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 3.86%<br>10 | 11.58%<br>30 | 32.05%<br>83 | 52.51%<br>136 | <br>259 |

# Q90 3.1.4.1 Performing systems review to identify the impaired or unimpaired status of the: cardiovascular/pulmonary system, musculoskeletal system, neuromotor system, integumentary system, and/or communication ability.

Answered: 266 Skipped: 944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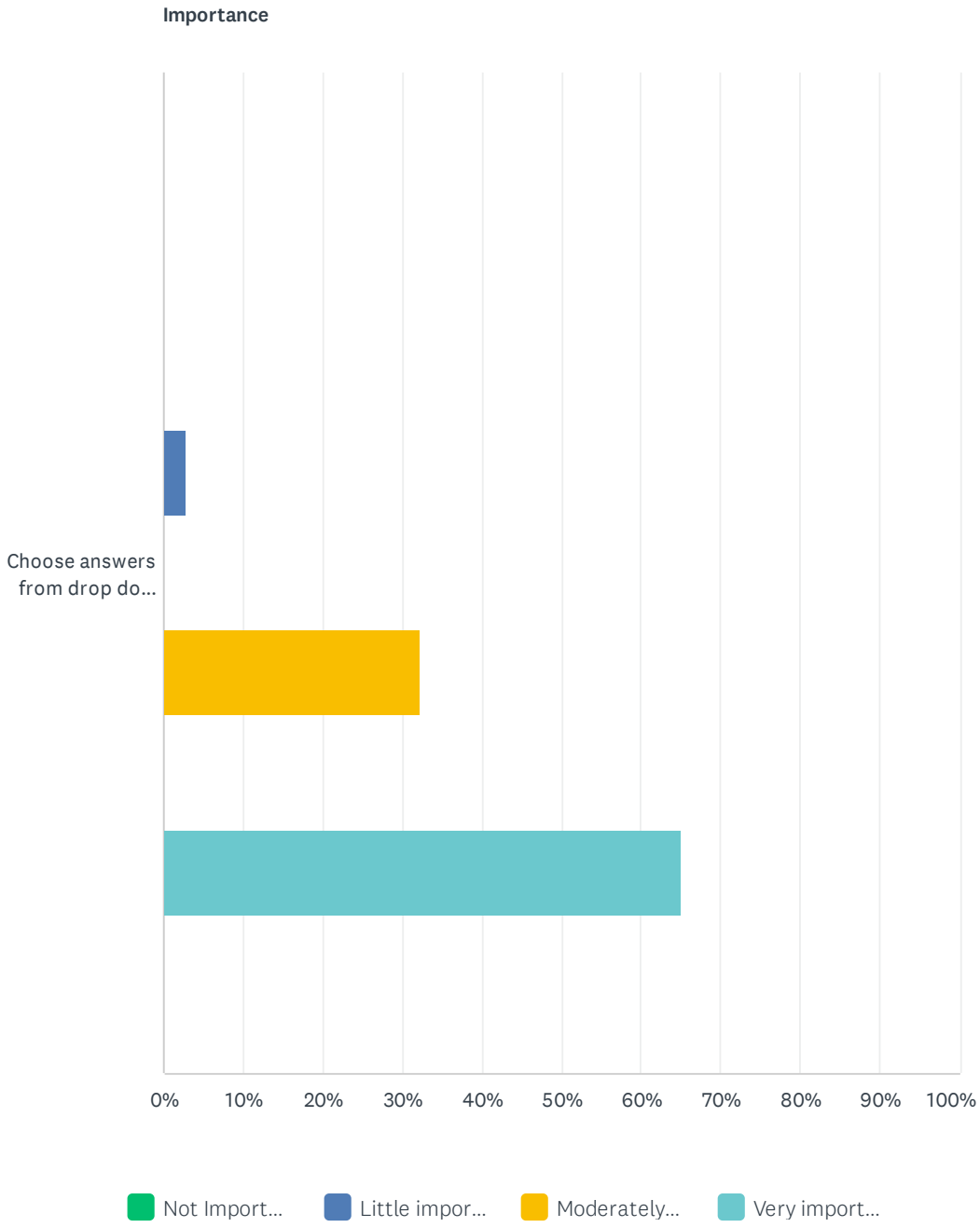
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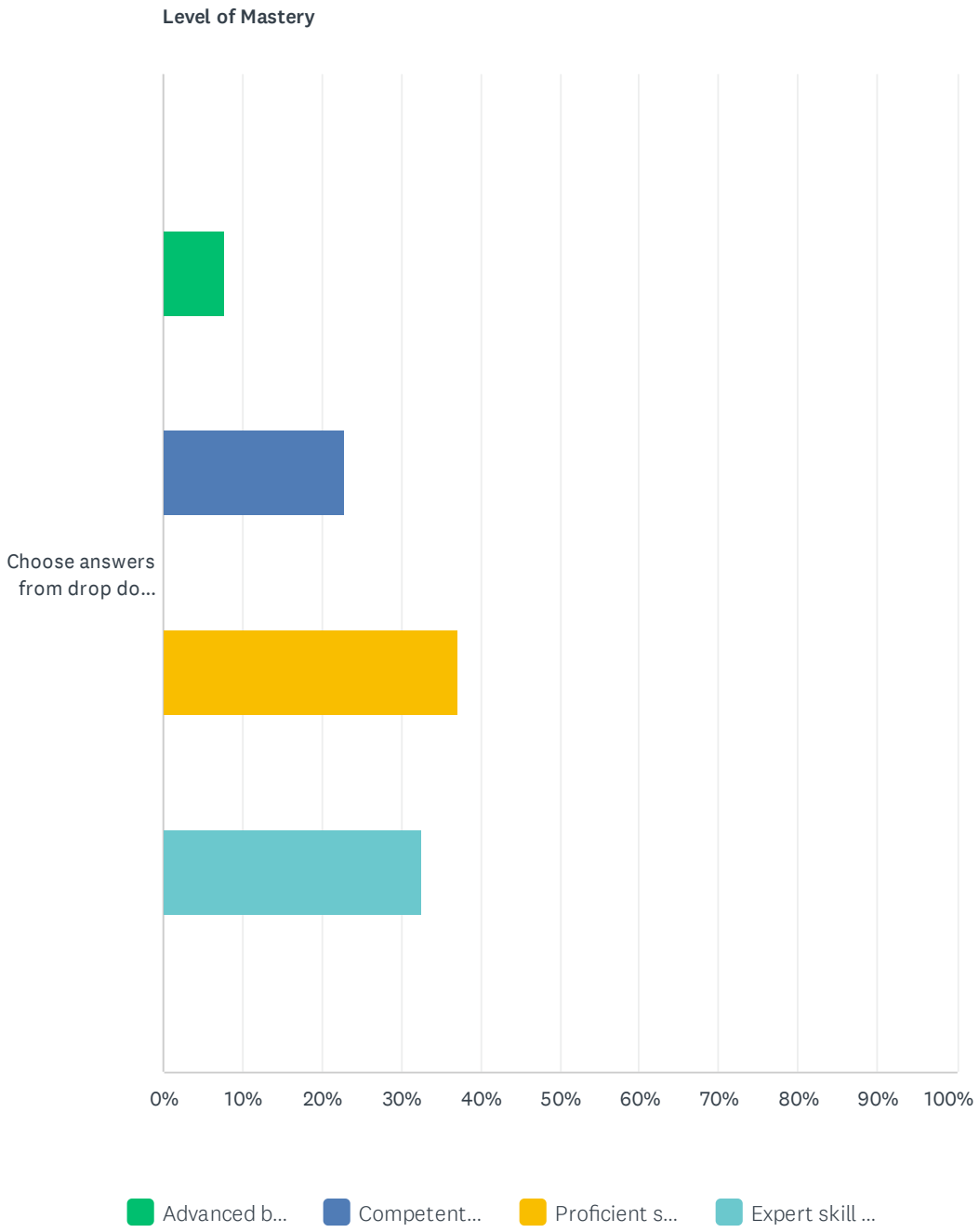


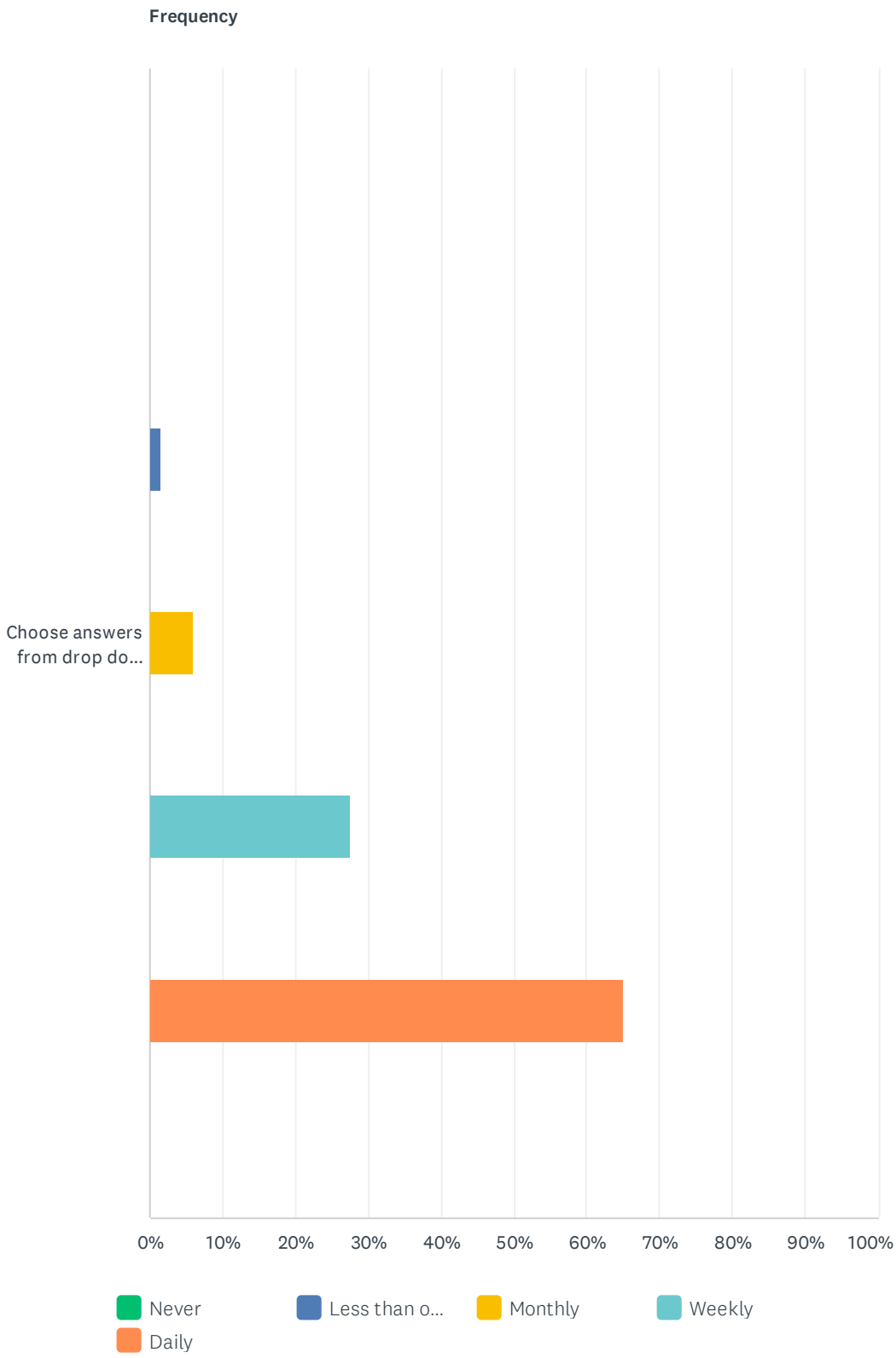

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.50%<br>4 | 4.89%<br>13 | 25.19%<br>67 | 68.42%<br>182 | 266 |

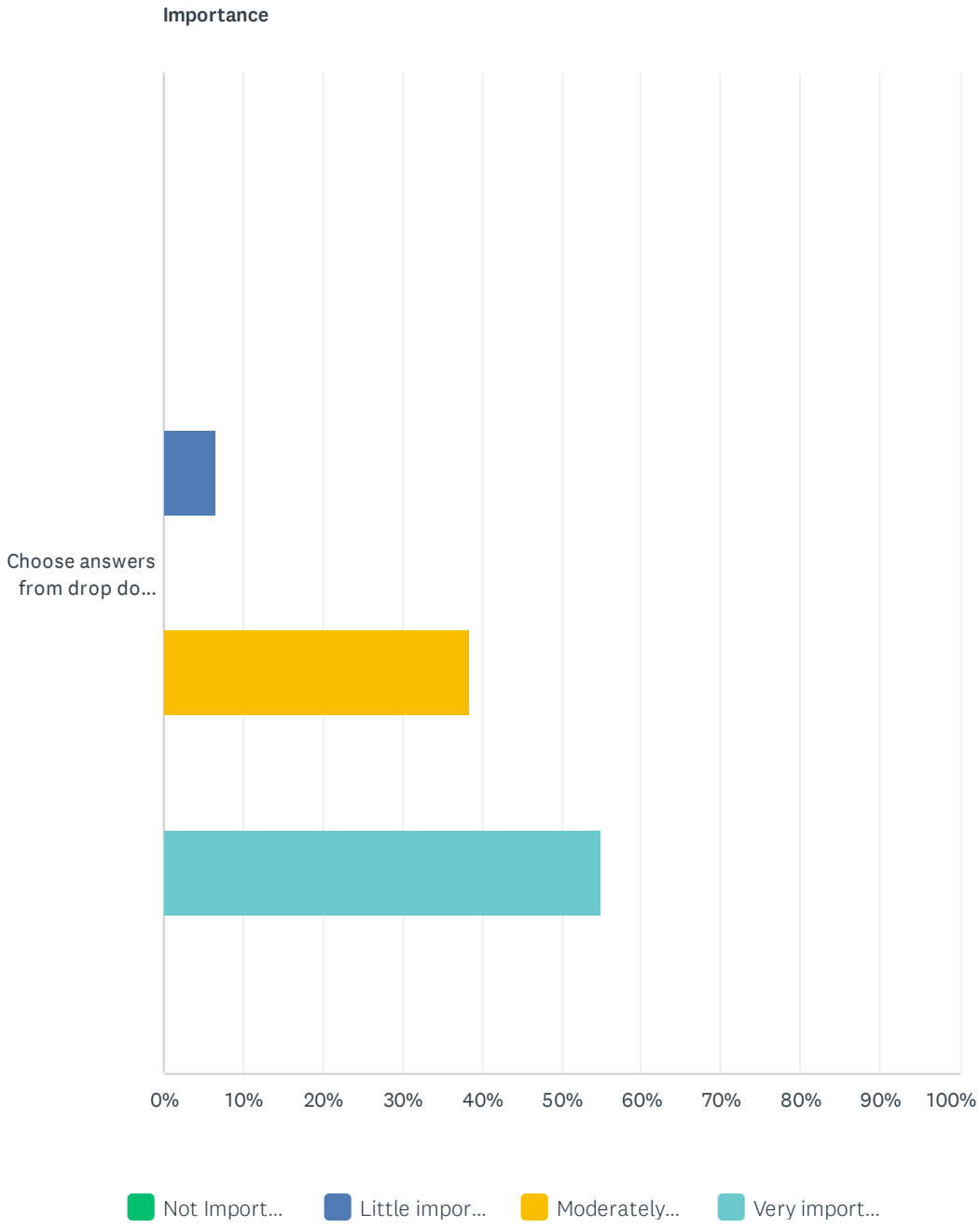
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 2.71%<br>7 | 32.17%<br>83 | 65.12%<br>168 | 258 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 7.57%<br>19 | 22.71%<br>57 | 37.05%<br>93 | 32.67%<br>82 | <br>251 |

# Q91 3.1.5.1 Ergonomics and body mechanics.

Answered: 266 Skipped: 944

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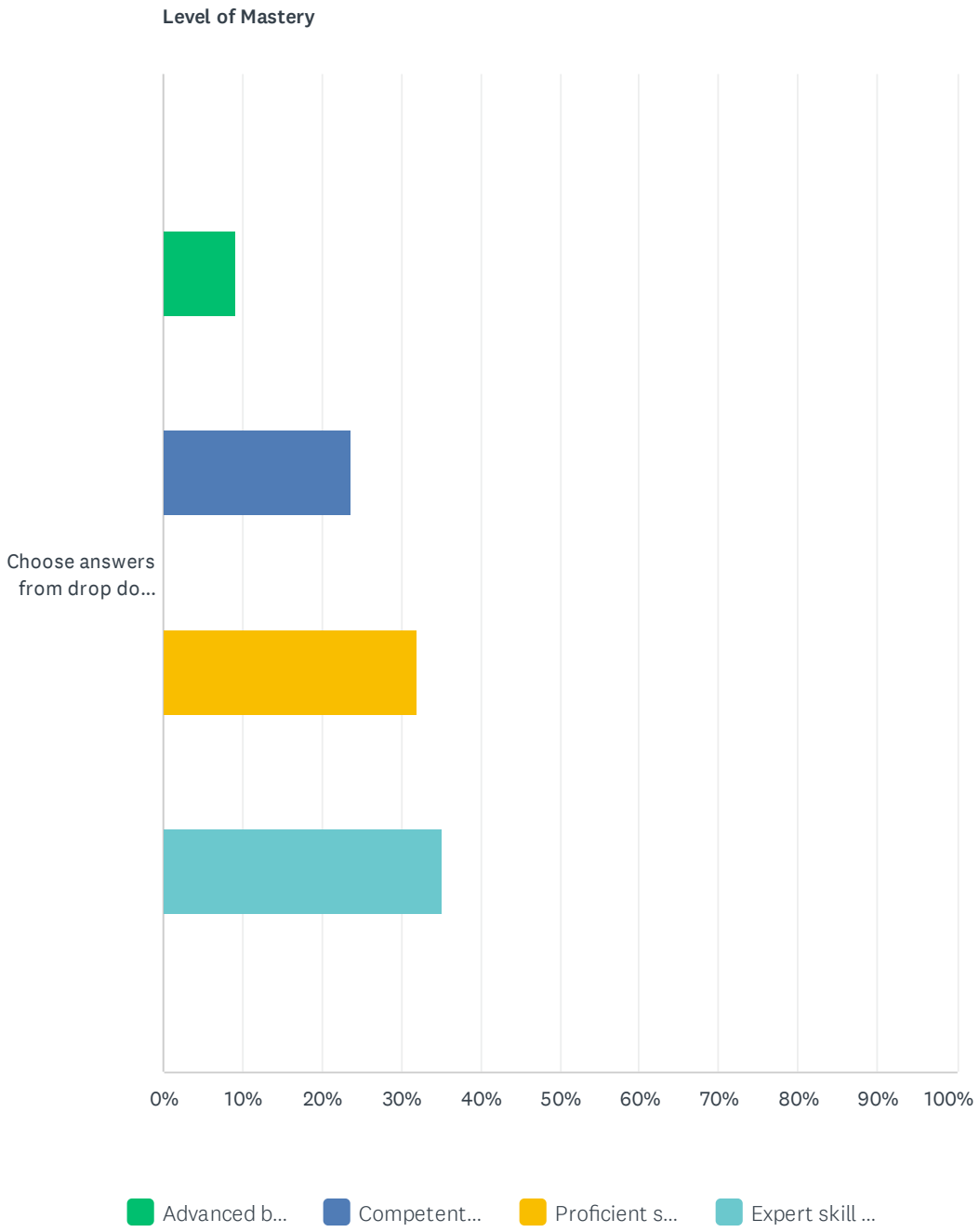


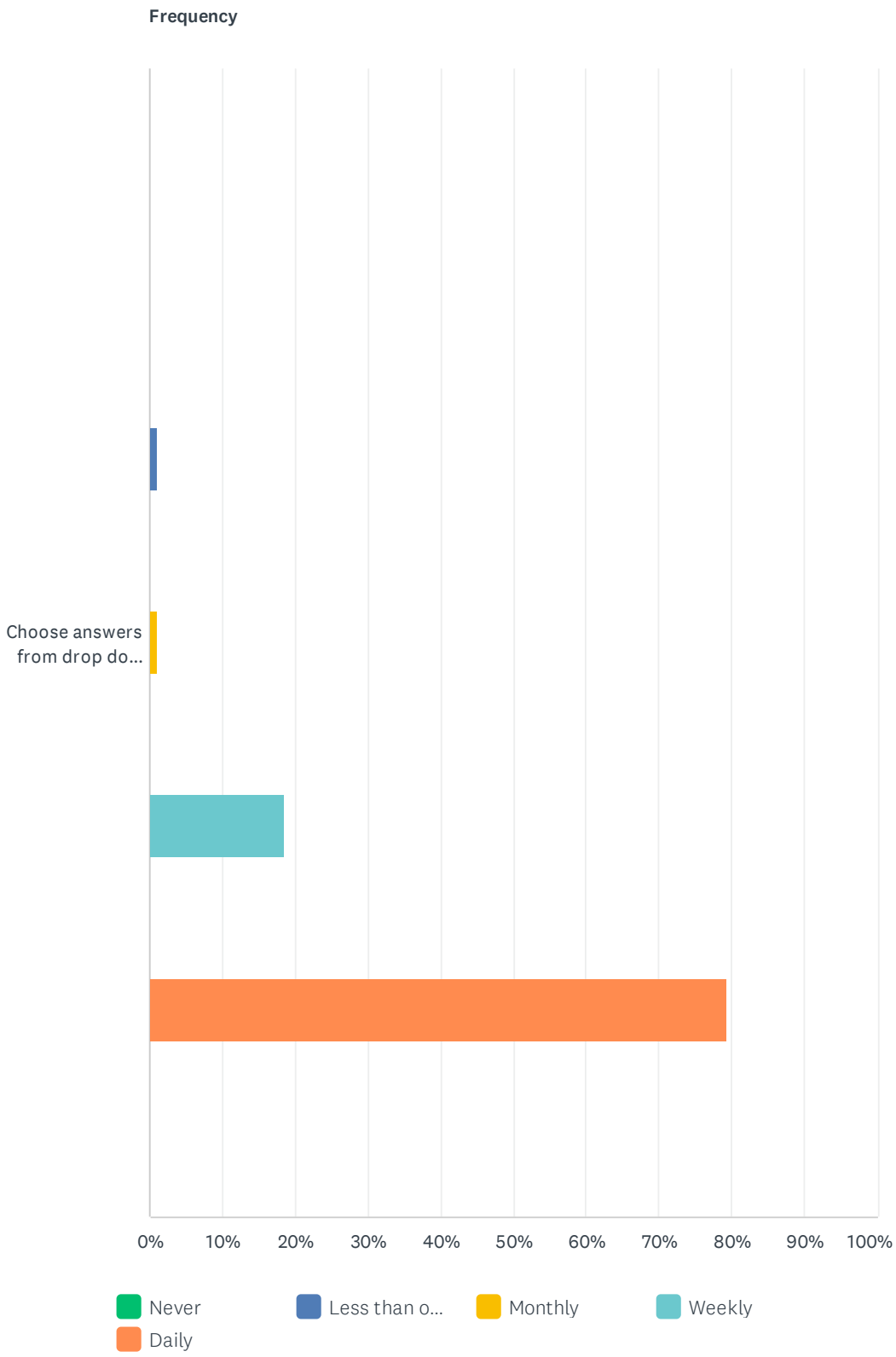

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.50%<br>4 | 6.02%<br>16 | 27.44%<br>73 | 65.04%<br>173 | 266 |

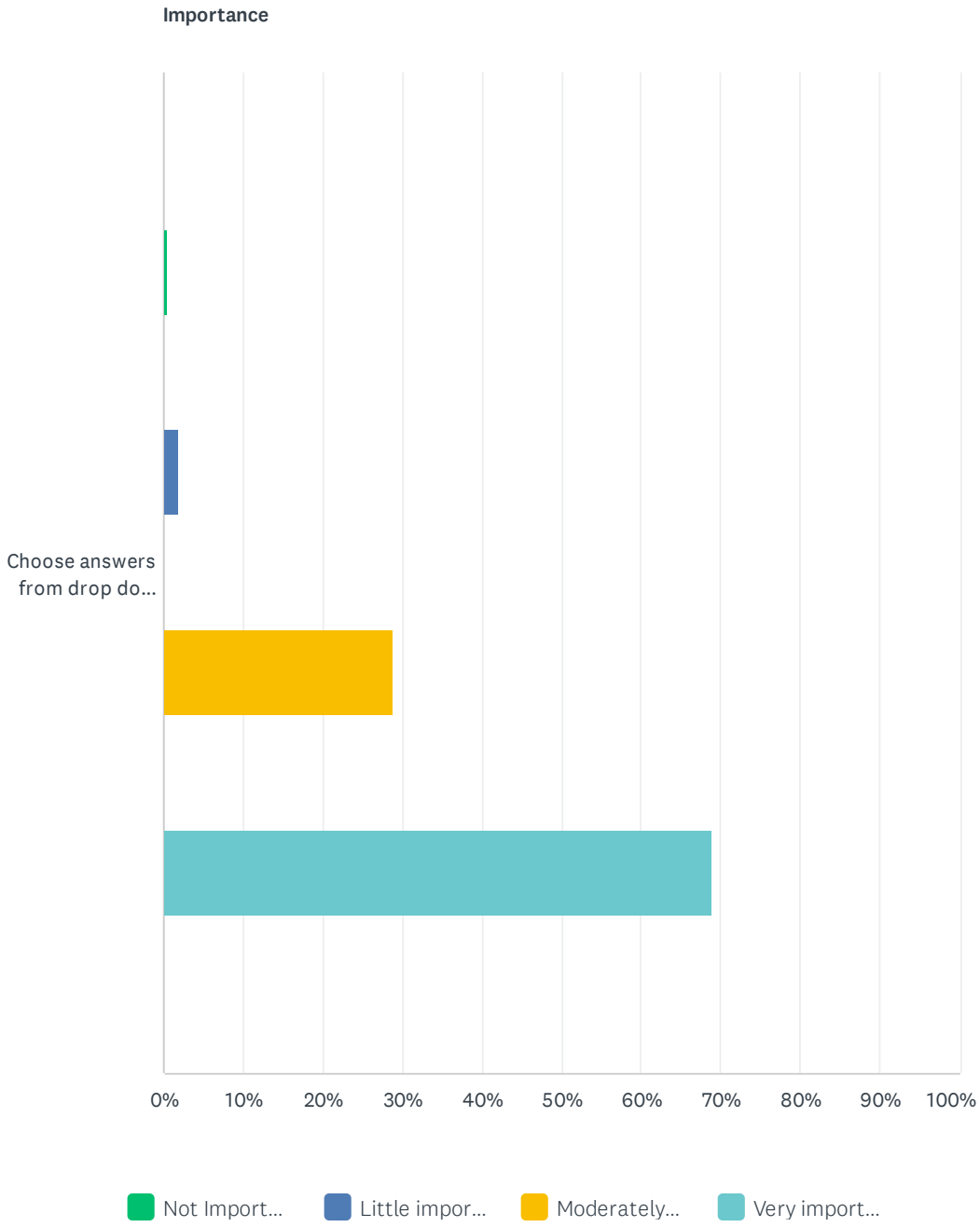
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 6.59%<br>17 | 38.37%<br>99 | 55.04%<br>142 | 258 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 9.20%<br>23 | 23.60%<br>59 | 32.00%<br>80 | 35.20%<br>88 | <br>250 |

# Q92 3.1.5.2 Gait, locomotion, and balance.

Answered: 265 Skipped: 945

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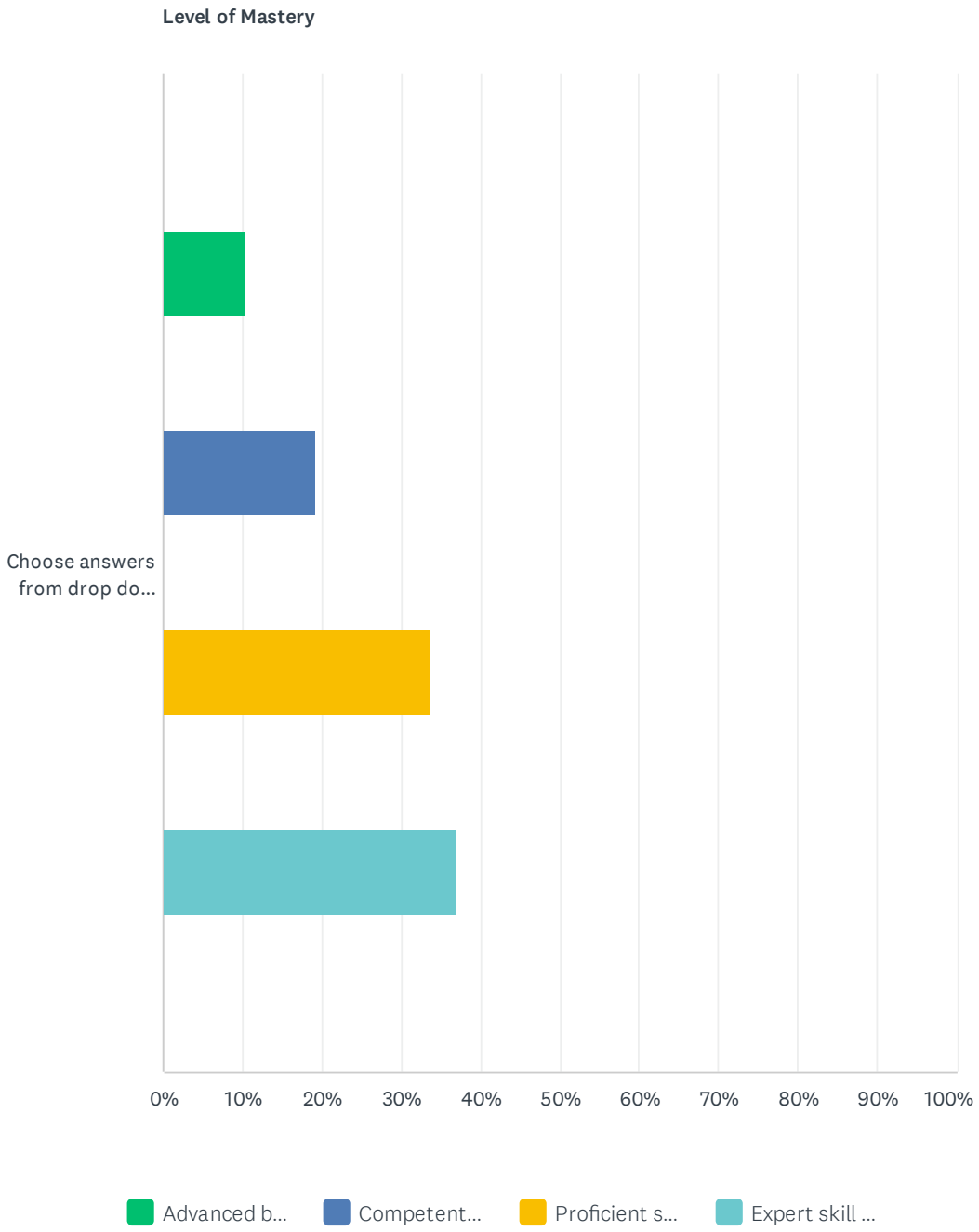


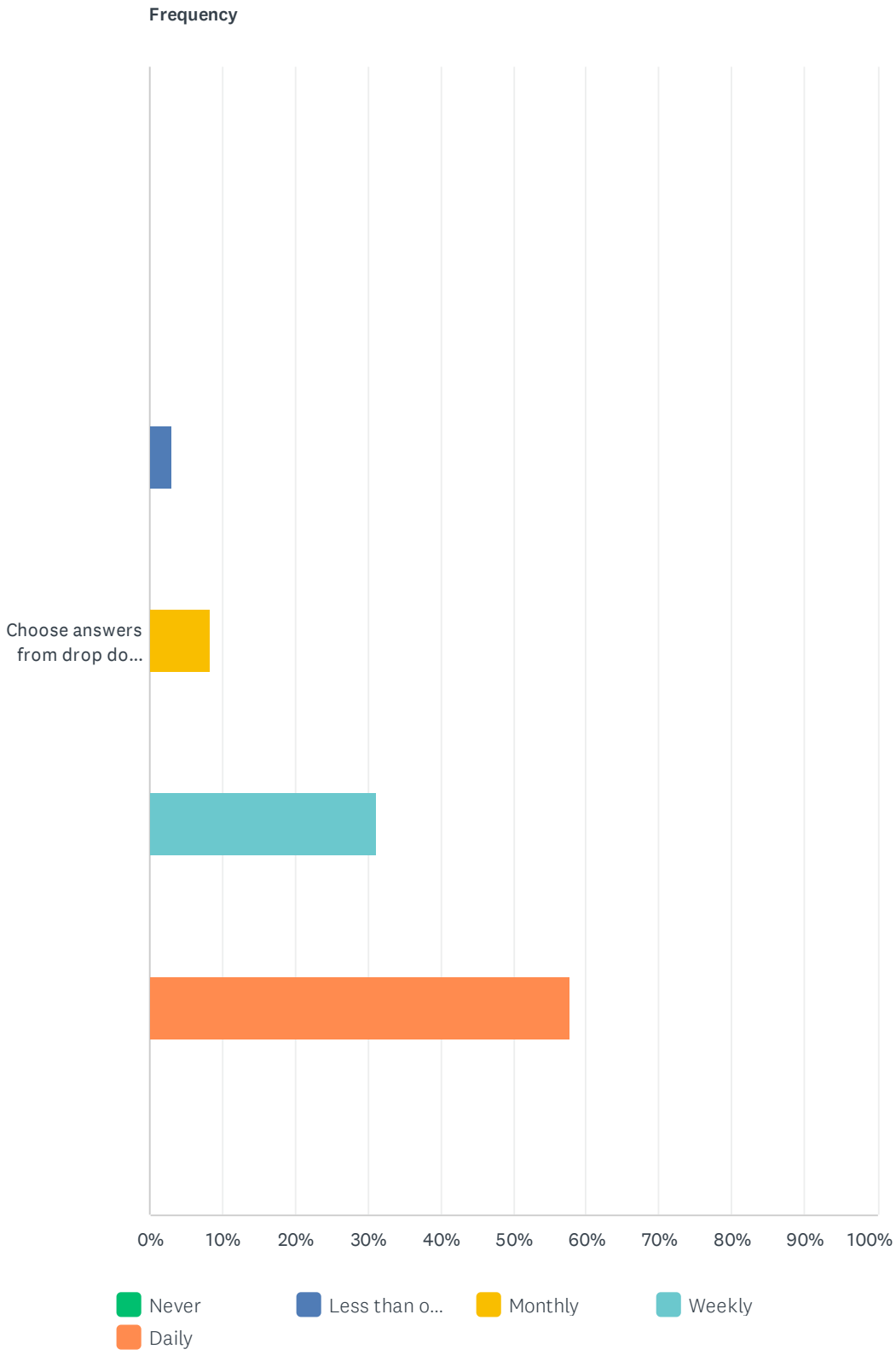

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.13%<br>3 | 1.13%<br>3 | 18.49%<br>49 | 79.25%<br>210 | 265 |

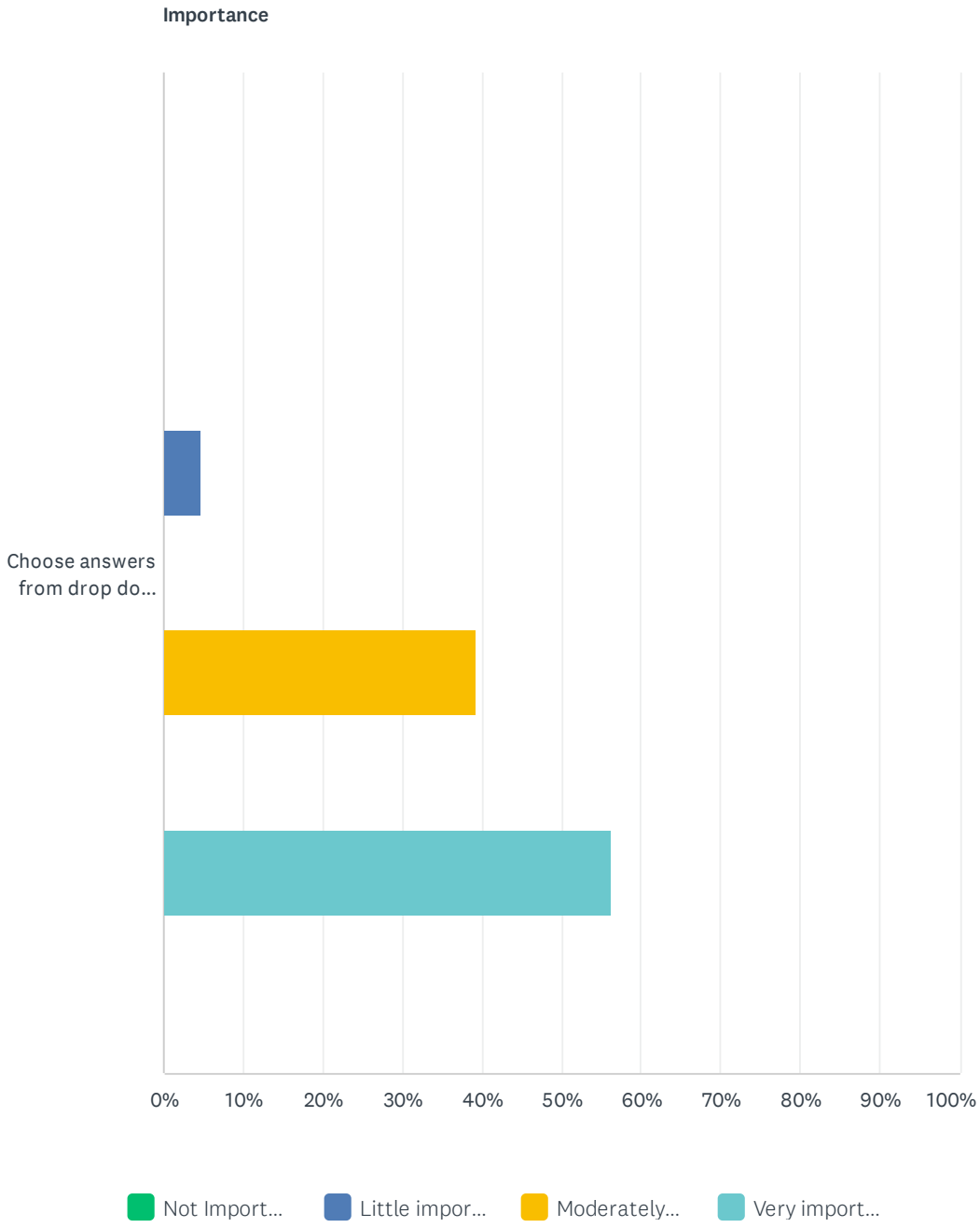
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.39%<br>1 | 1.95%<br>5 | 28.79%<br>74 | 68.87%<br>177 | 257 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 10.40%<br>26 | 19.20%<br>48 | 33.60%<br>84 | 36.80%<br>92 | 250 |

# Q93 3.1.5.3 Work (job/school/play), community and leisure integration or reintegration (including IADL).

Answered: 267 Skipped: 943

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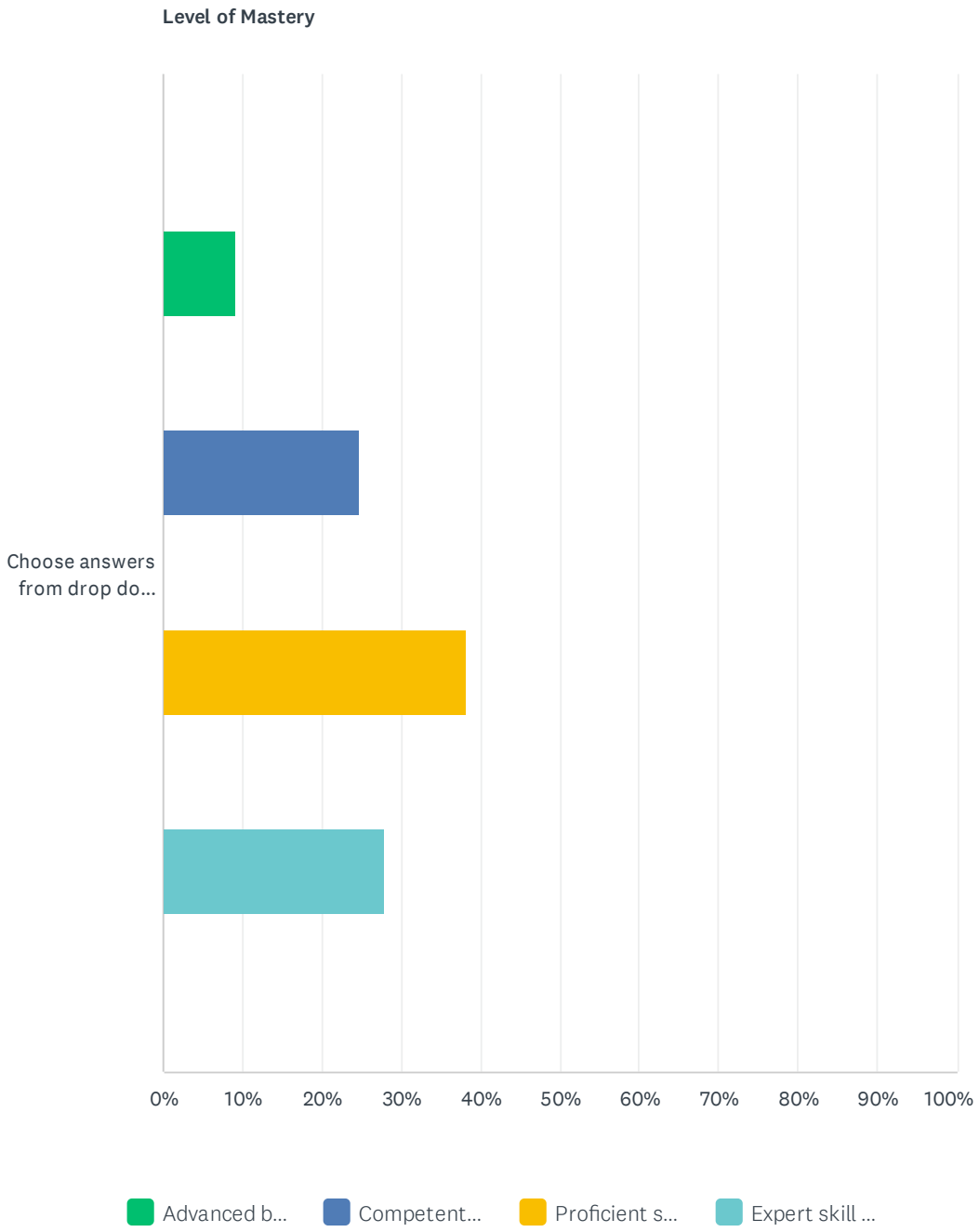


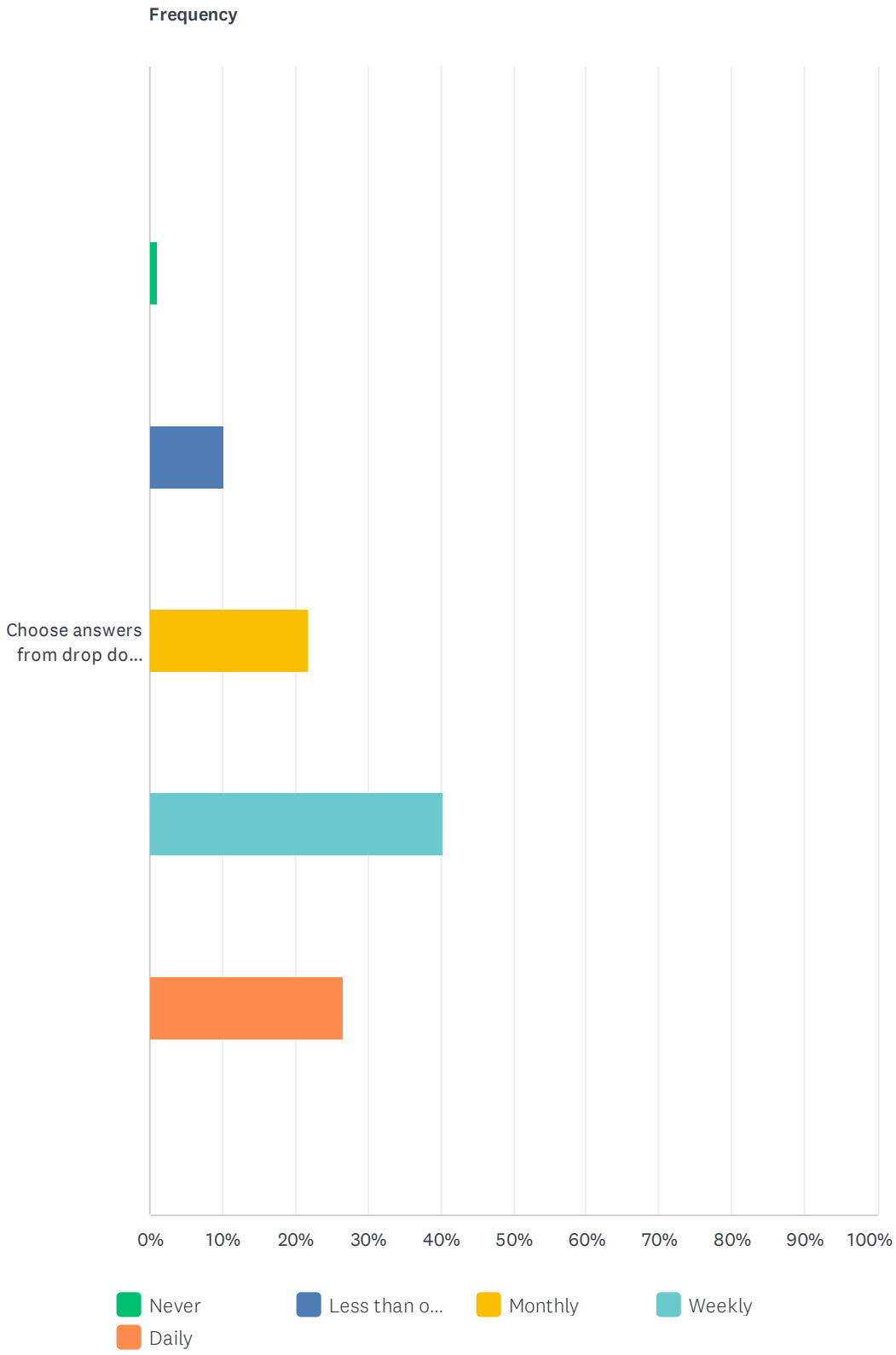

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 3.00%<br>8 | 8.24%<br>22 | 31.09%<br>83 | 57.68%<br>154 | 267 |

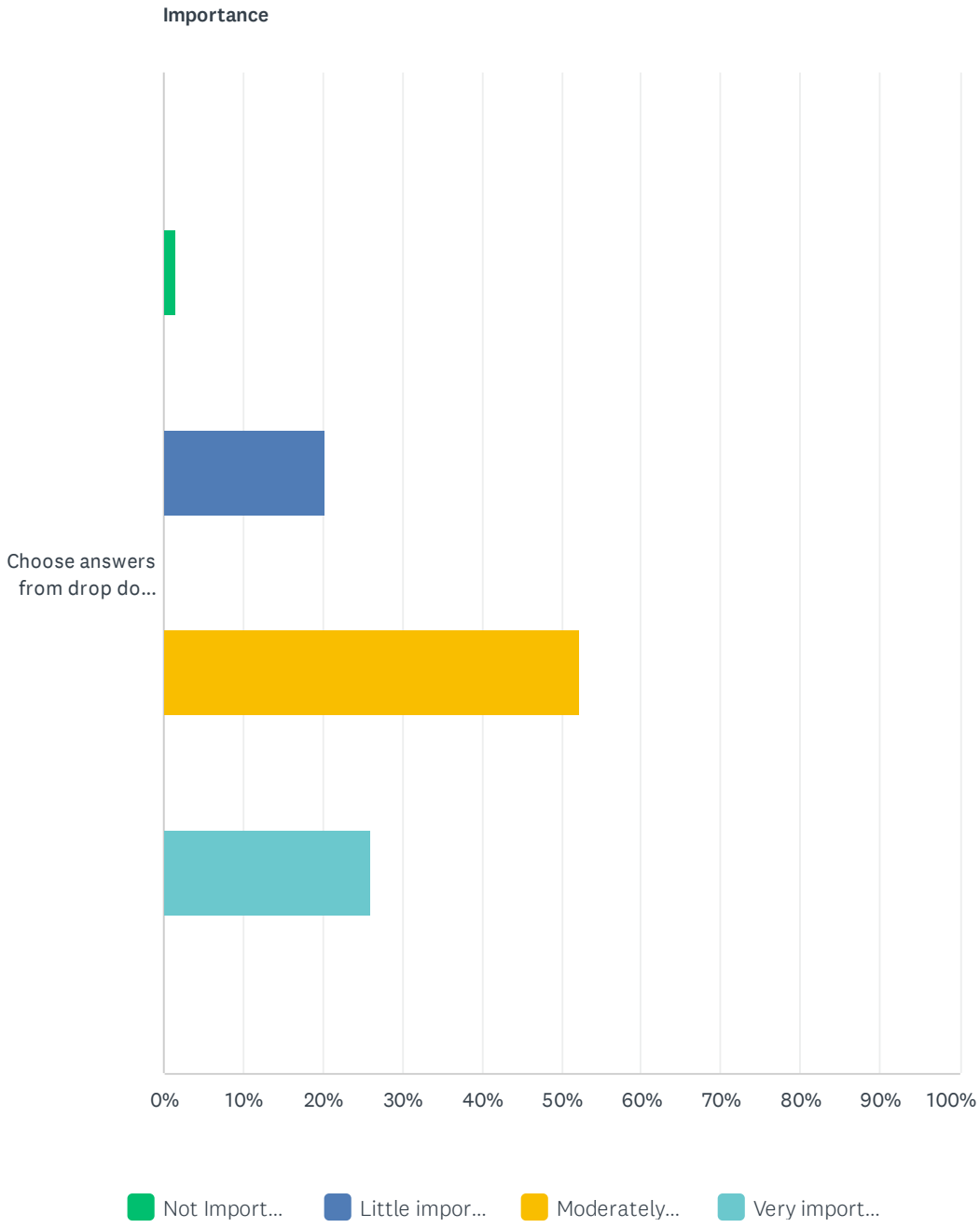
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 4.65%<br>12 | 39.15%<br>101 | 56.20%<br>145 | 258 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 9.16%<br>23 | 24.70%<br>62 | 38.25%<br>96 | 27.89%<br>70 | <br>251 |

# Q94 3.1.5.4 Adaptive and supportive devices (e.g., taping, bracing, assistive devices, orthotics).

Answered: 267 Skipped: 943

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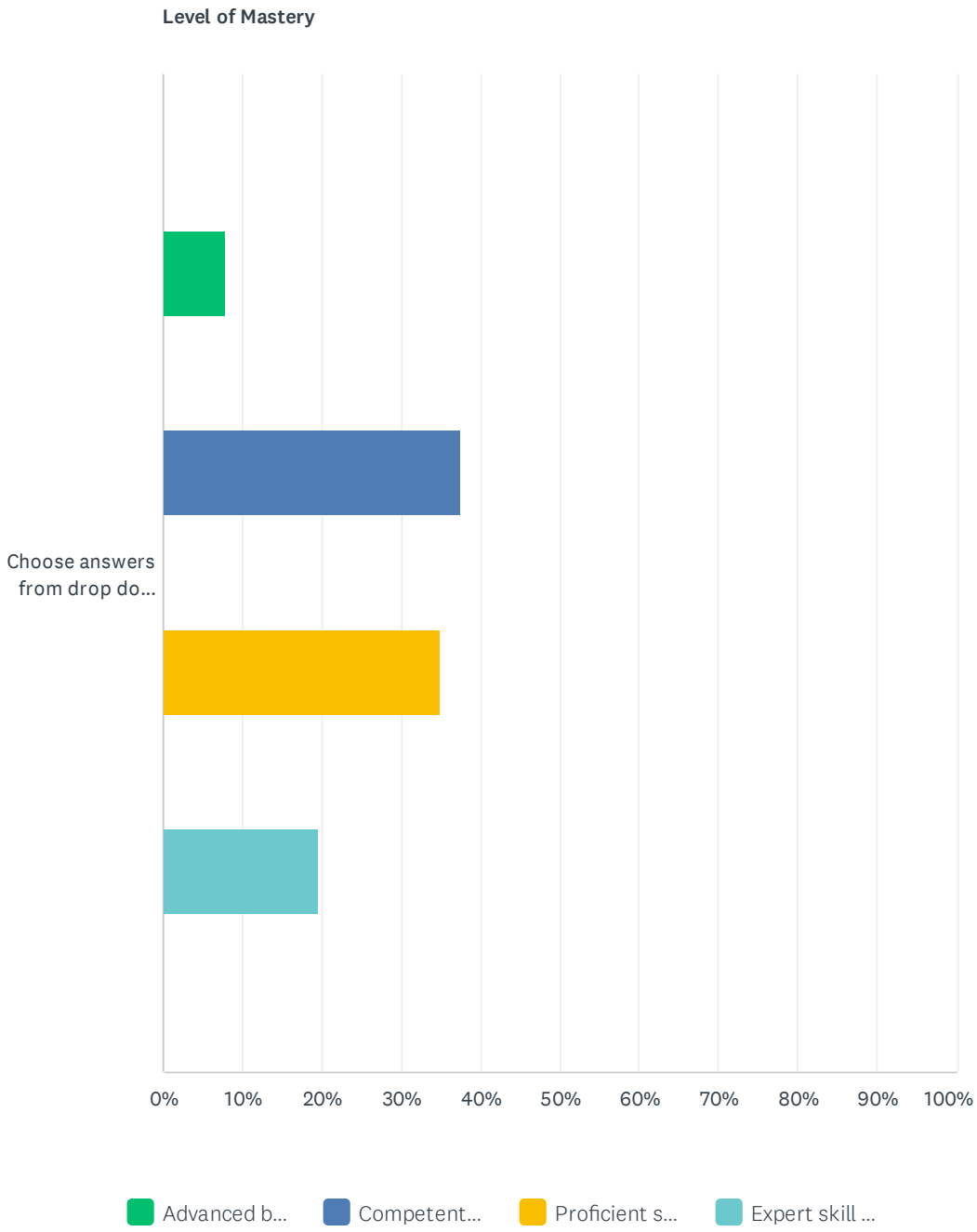


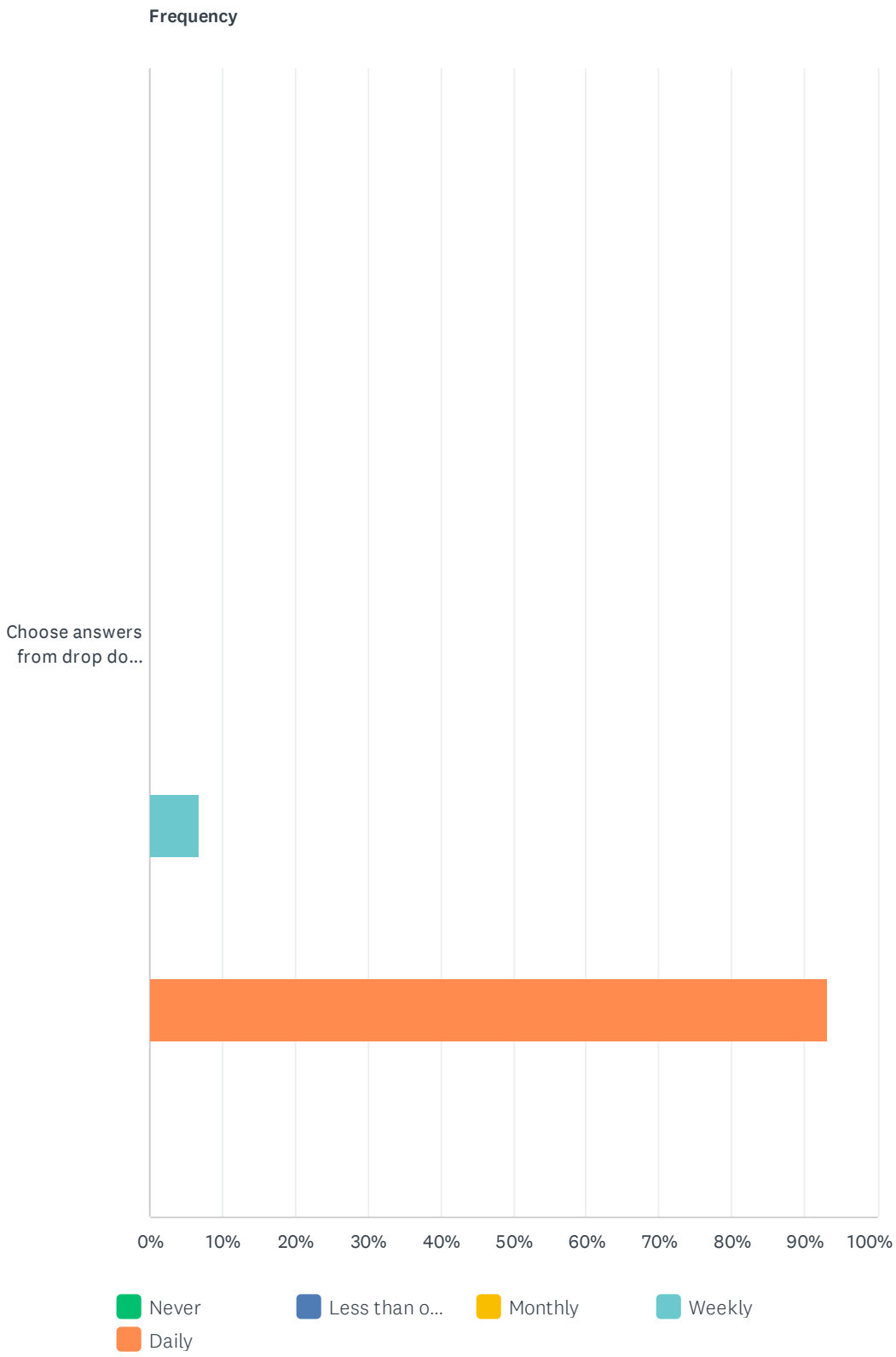

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.13%<br>3 | 10.15%<br>27 | 21.80%<br>58 | 40.23%<br>107 | 26.69%<br>71 | 266 |

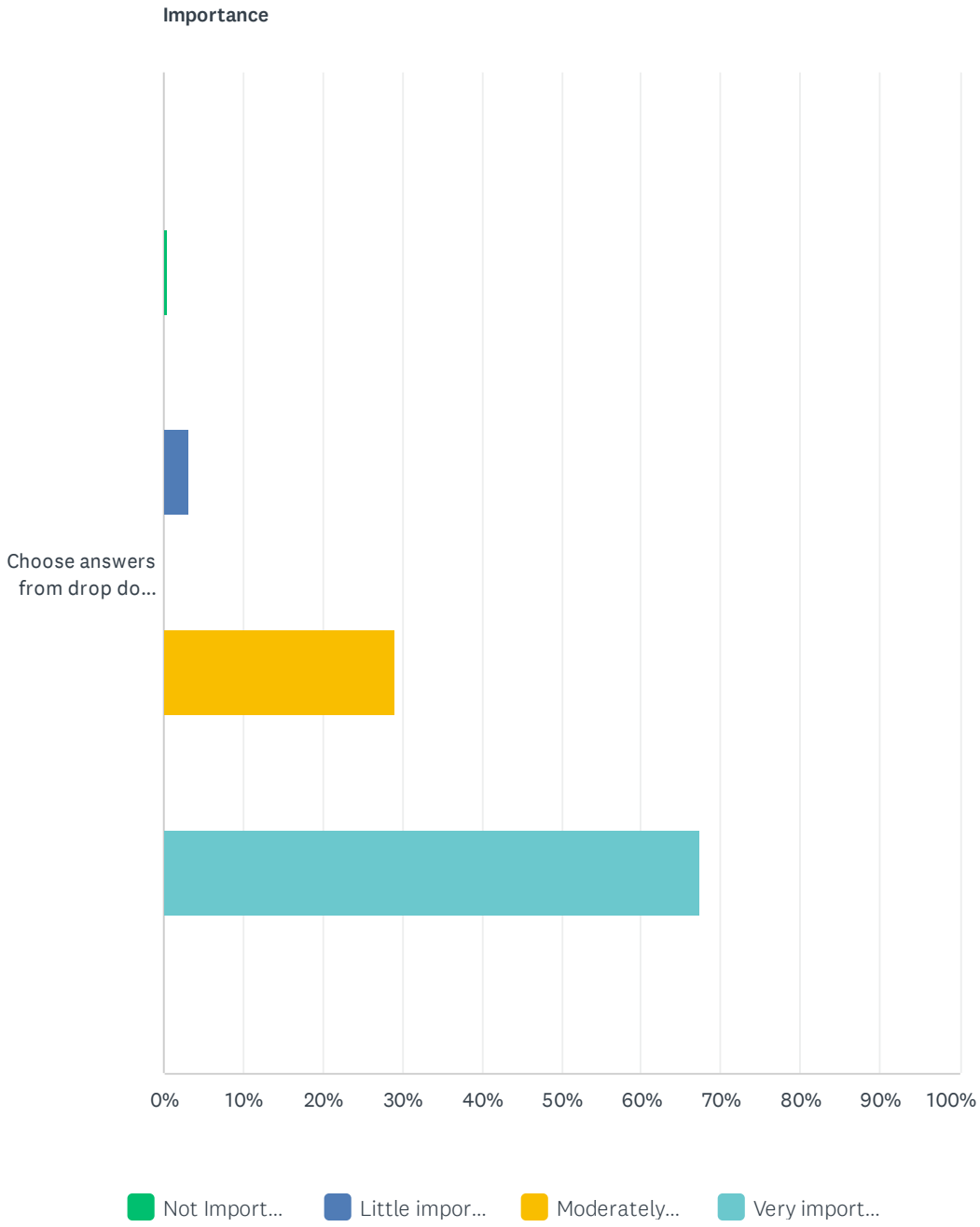
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.55%<br>4 | 20.16%<br>52 | 52.33%<br>135 | 25.97%<br>67 | 258 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 7.97%<br>20 | 37.45%<br>94 | 35.06%<br>88 | 19.52%<br>49 | <br>251 |

# Q95 3.1.5.5 Pain.

Answered: 266 Skipped: 944

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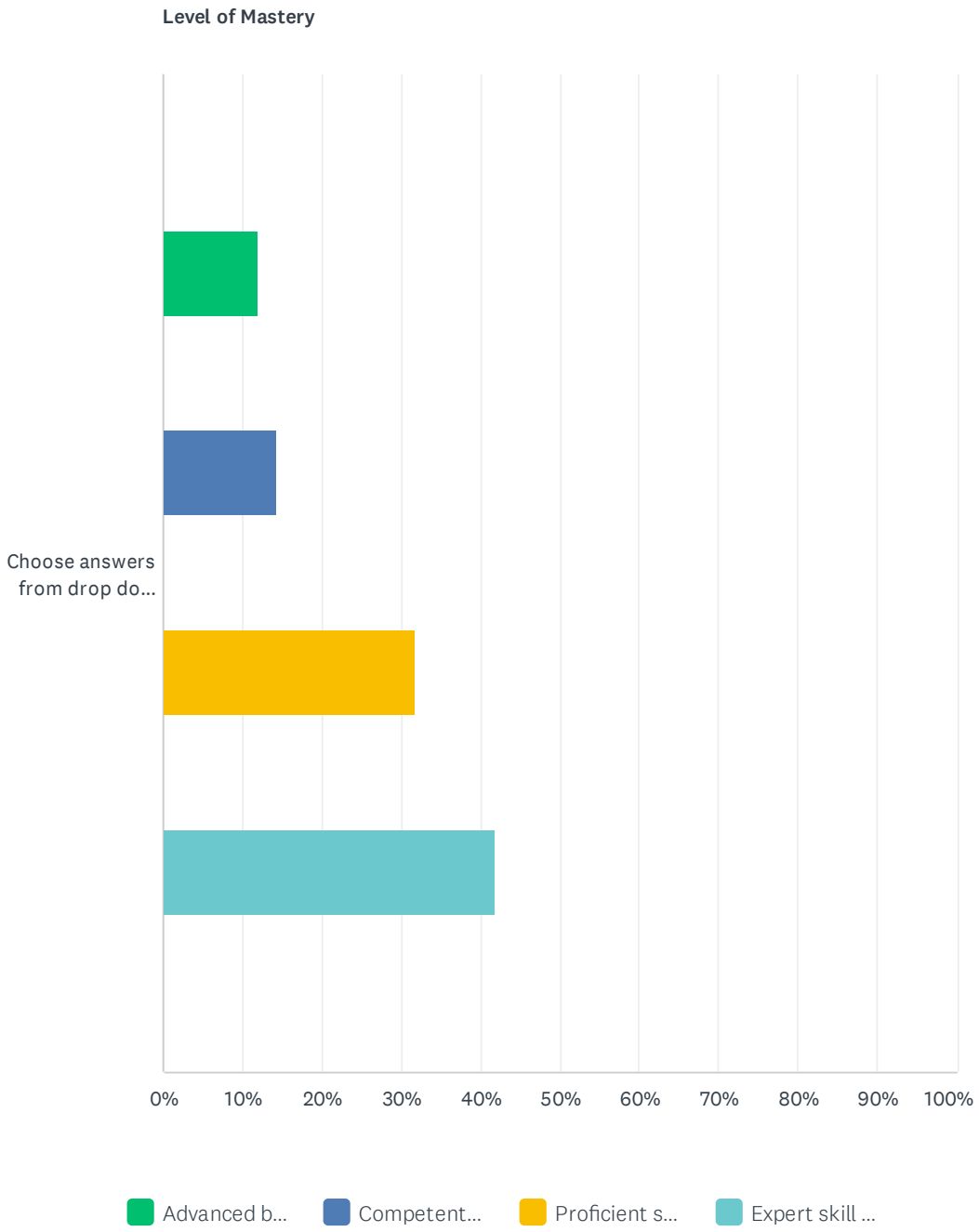


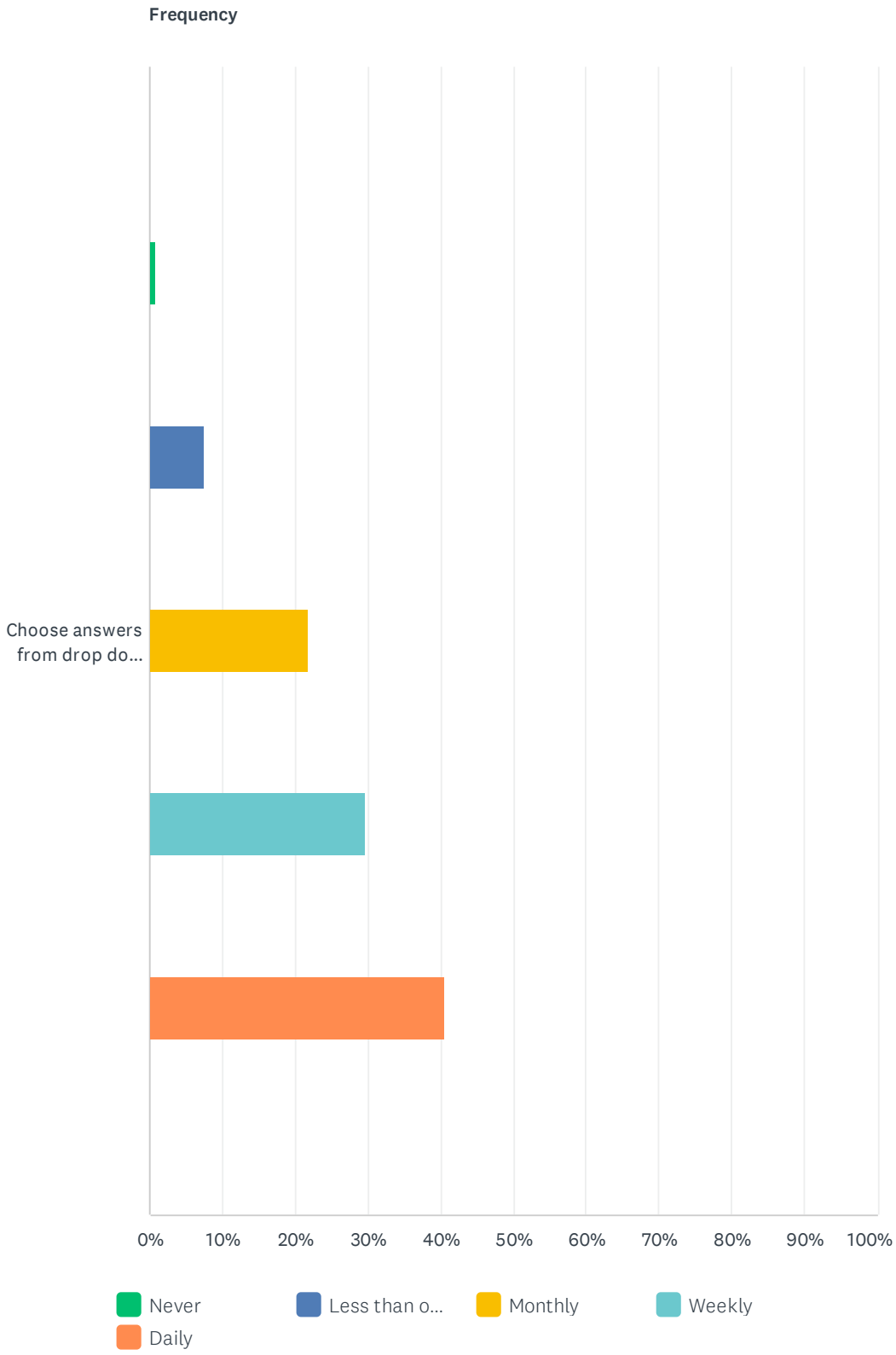

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 0.00%<br>0 | 6.77%<br>18 | 93.23%<br>248 | 266 |

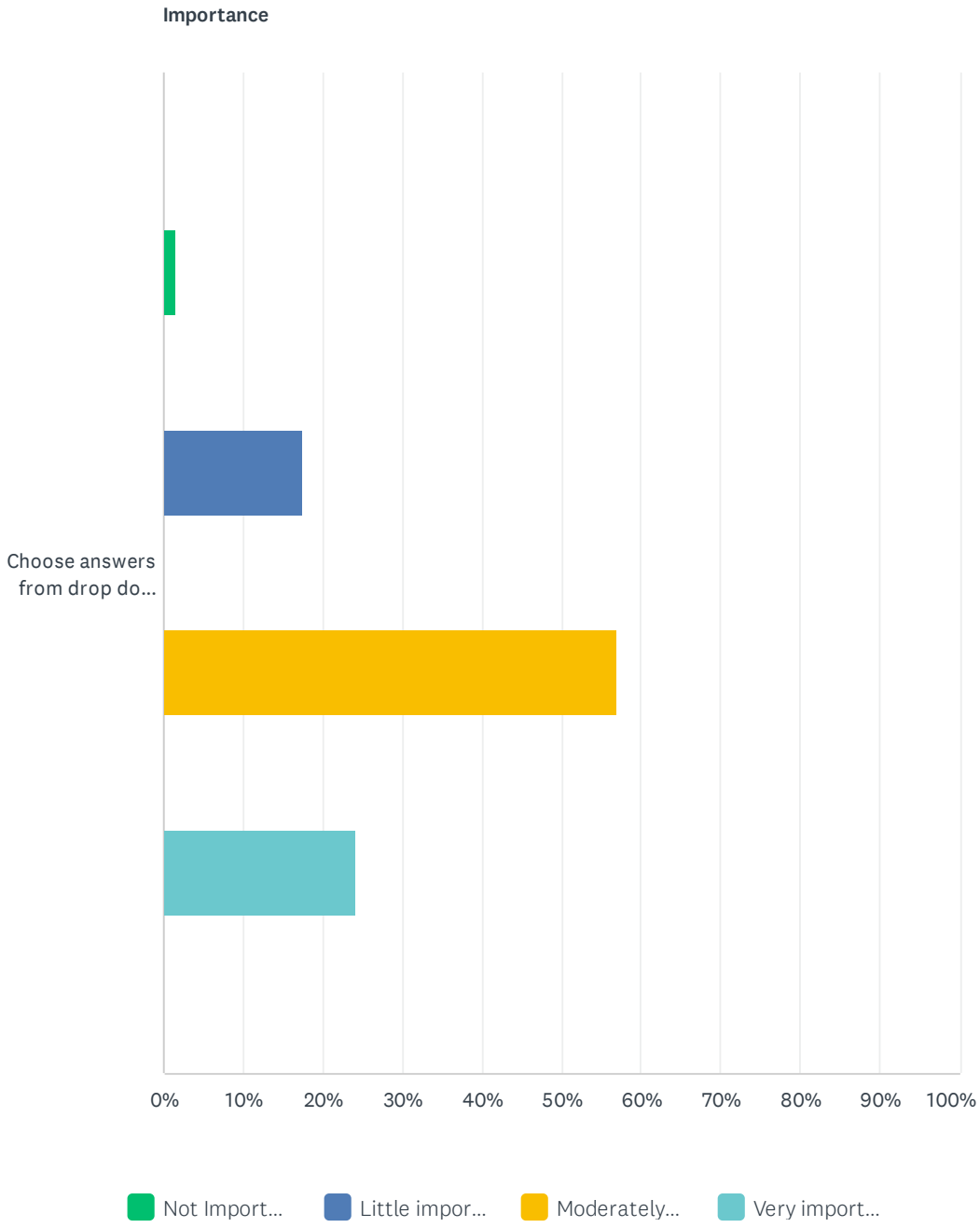
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.39%<br>1 | 3.10%<br>8 | 29.07%<br>75 | 67.44%<br>174 | 258 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 11.95%<br>30 | 14.34%<br>36 | 31.87%<br>80 | 41.83%<br>105 | <br>251 |

# Q96 3.1.5.6 Anthropometric characteristics (e.g., edema, body dimensions and composition).

Answered: 267 Skipped: 943

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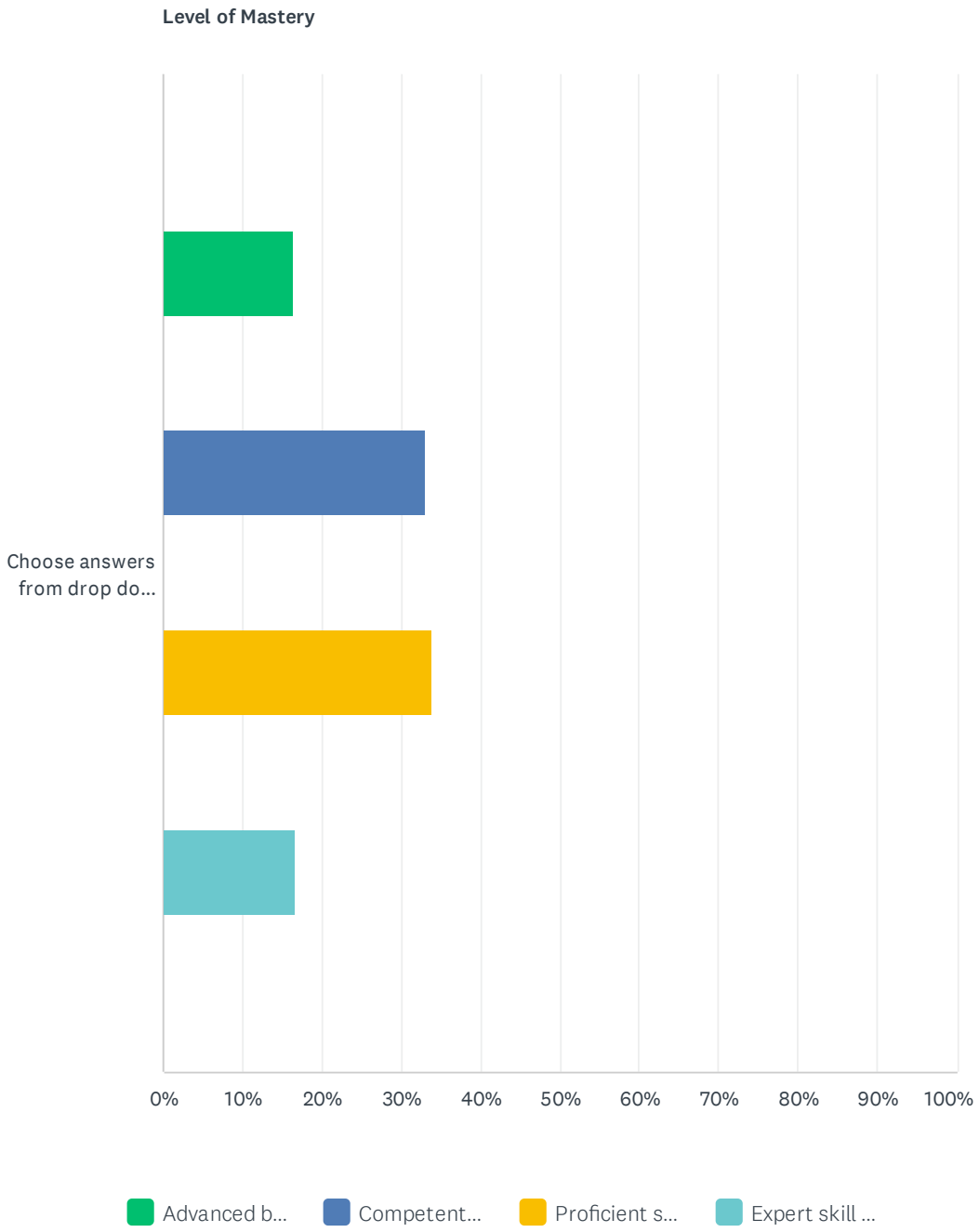


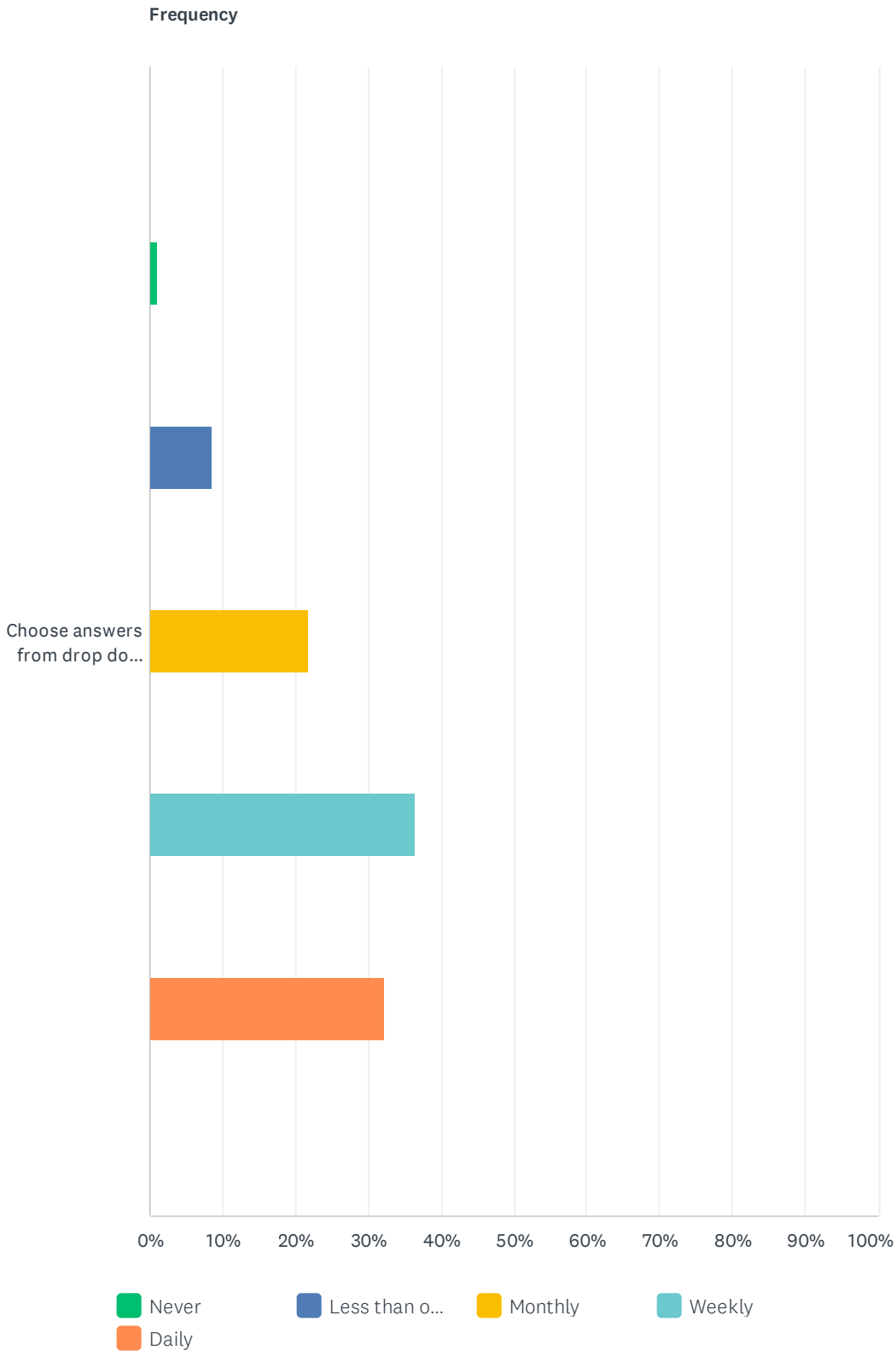

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.75%<br>2 | 7.49%<br>20 | 21.72%<br>58 | 29.59%<br>79 | 40.45%<br>108 | 267 |

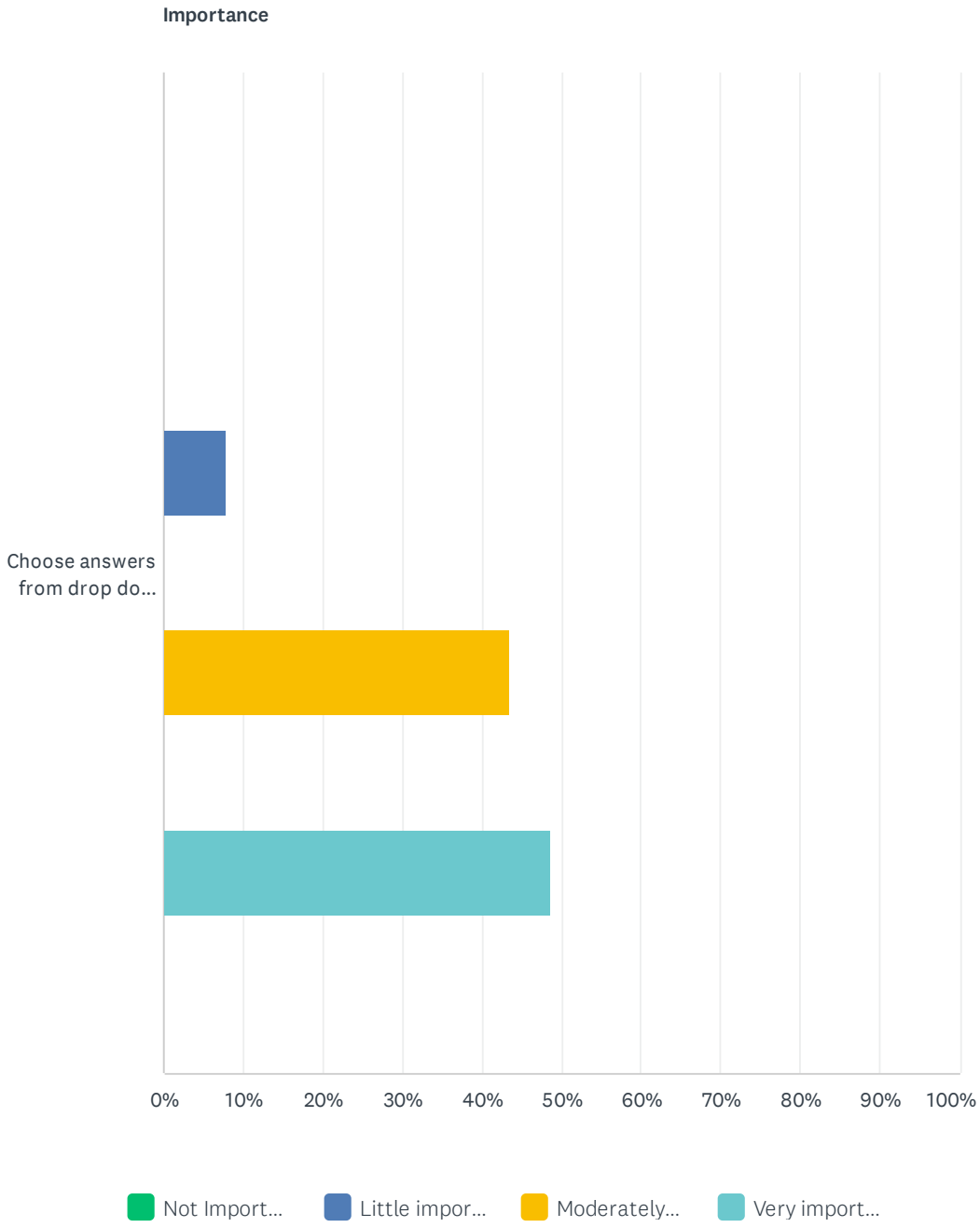
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.55%<br>4 | 17.44%<br>45 | 56.98%<br>147 | 24.03%<br>62 | 258 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 16.33%<br>41 | 33.07%<br>83 | 33.86%<br>85 | 16.73%<br>42 | <br>251 |

# Q97 3.1.5.7 Circulation (e.g., vertebral artery examination, skin condition, thoracic outlet tests, and peripheral pulses).

Answered: 261 Skipped: 949

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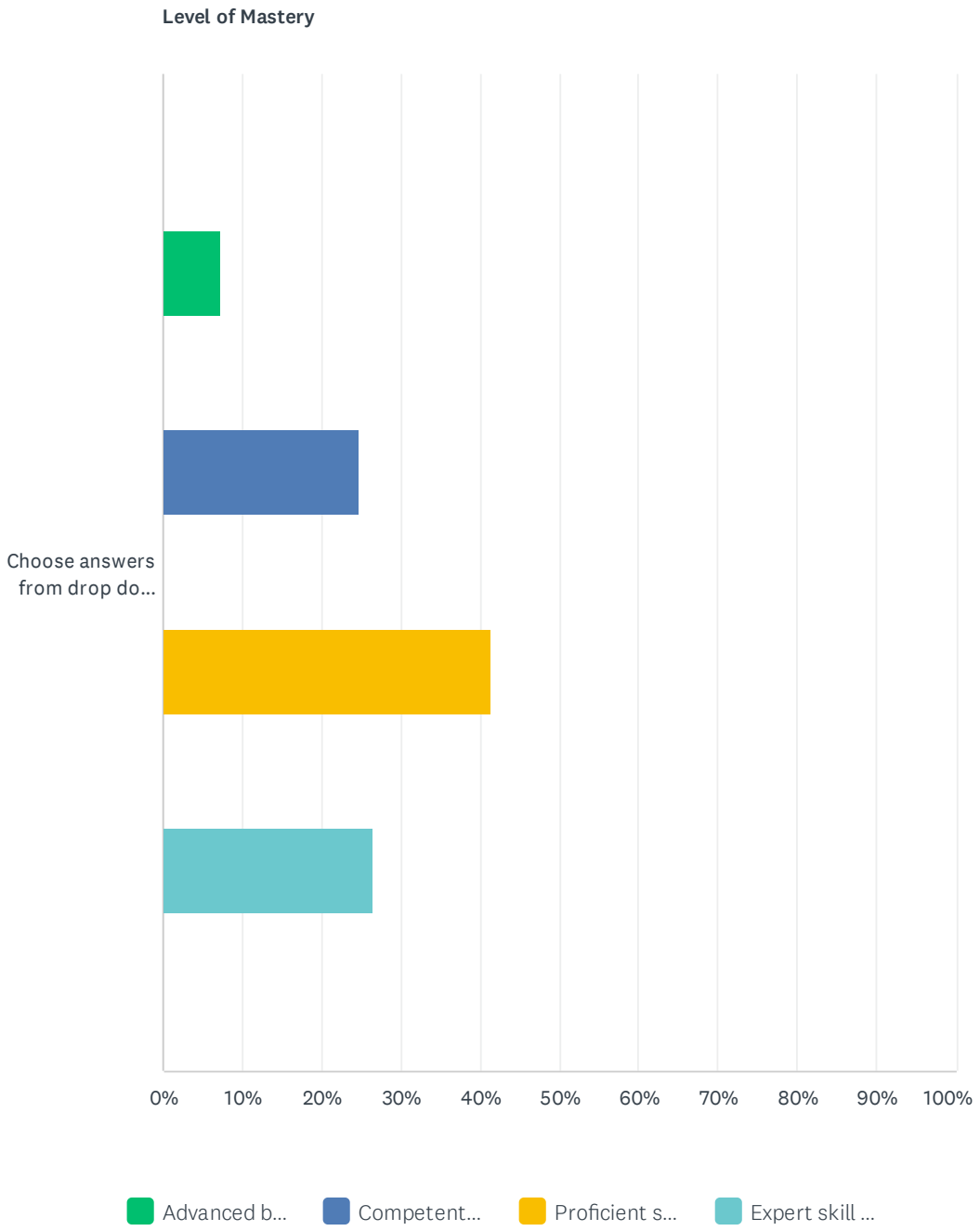


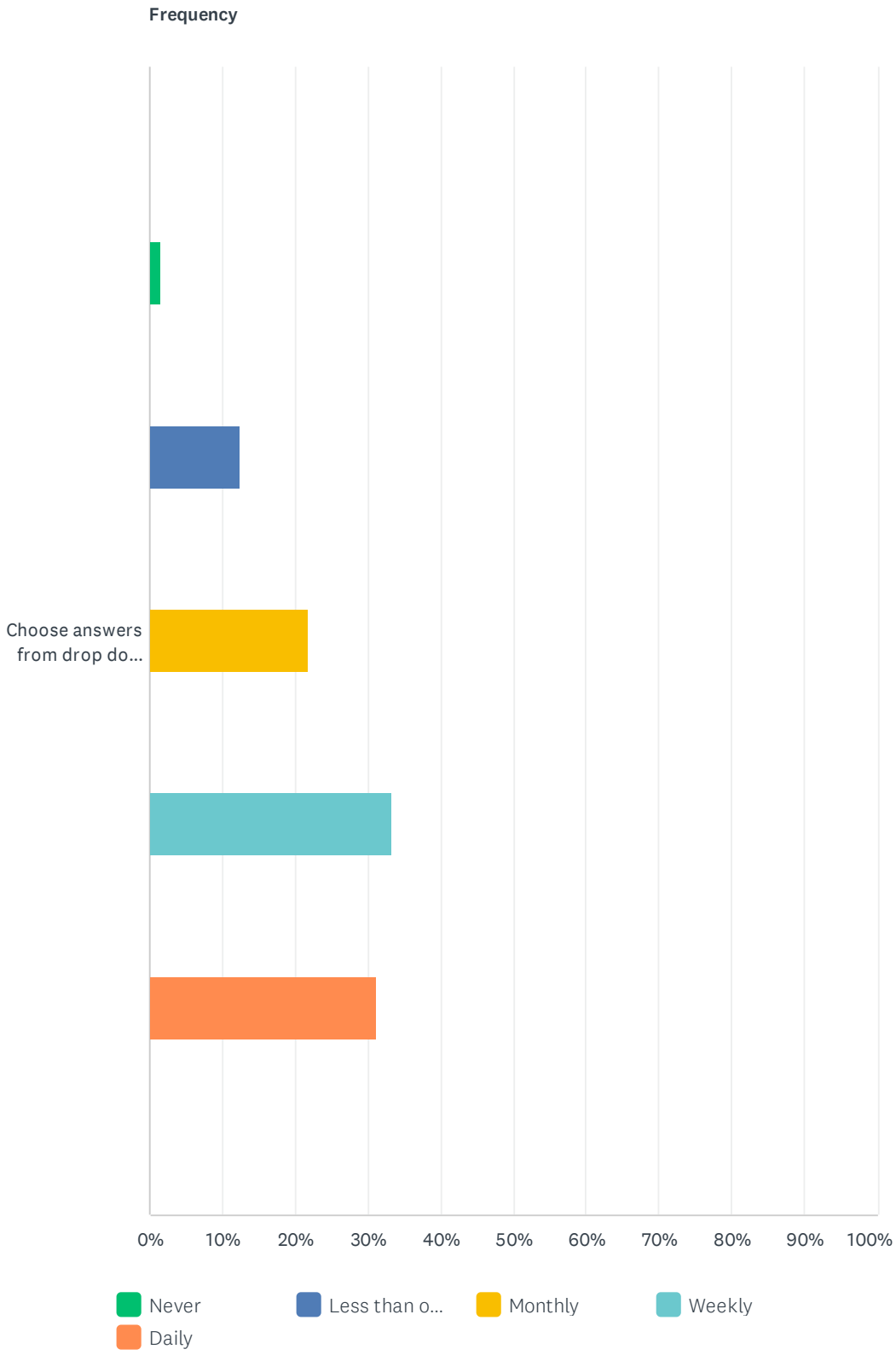

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.15%<br>3 | 8.43%<br>22 | 21.84%<br>57 | 36.40%<br>95 | 32.18%<br>84 | 261 |

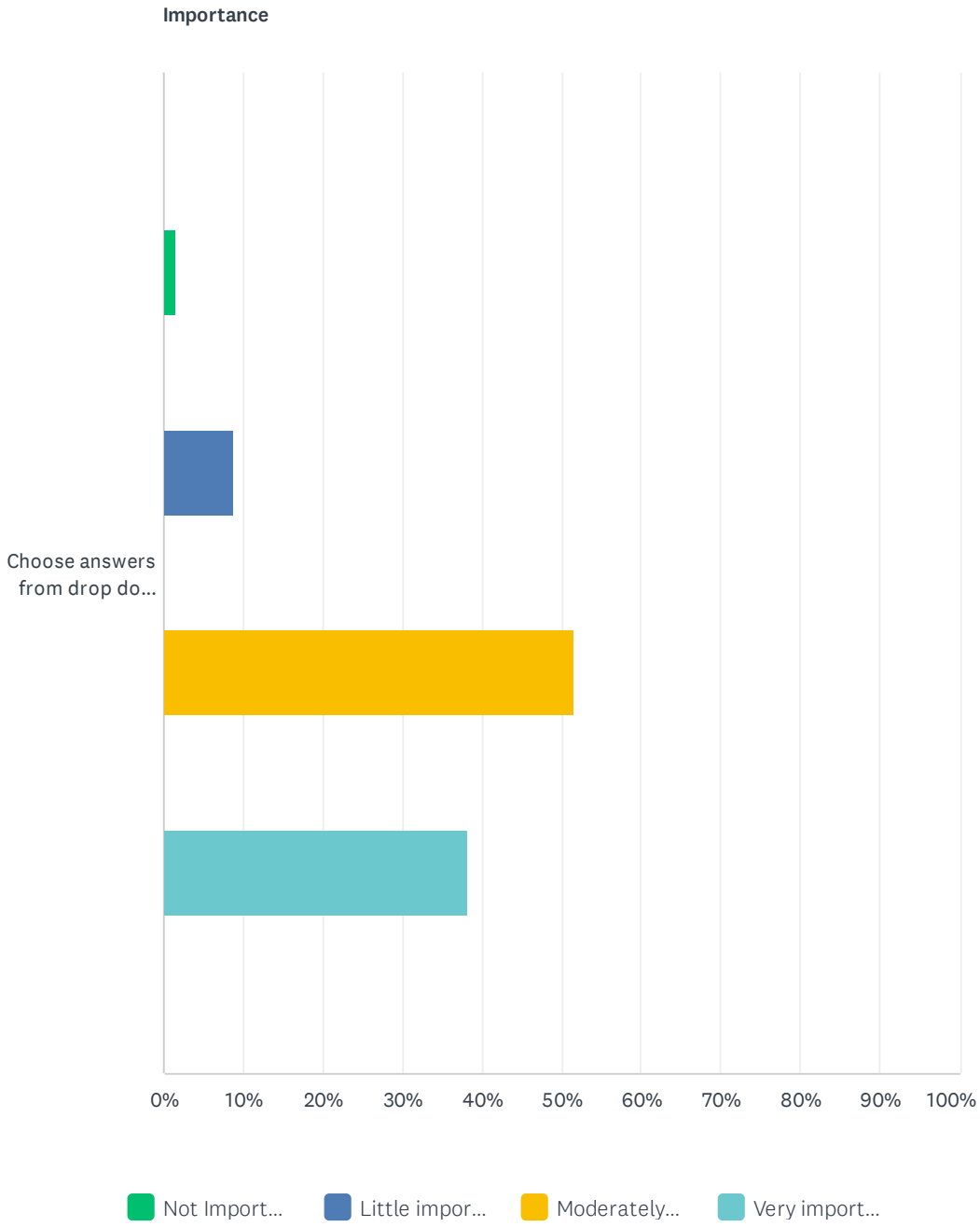
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 7.91%<br>20 | 43.48%<br>110 | 48.62%<br>123 | 253 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 7.32%<br>18 | 24.80%<br>61 | 41.46%<br>102 | 26.42%<br>65 | <br>246 |

# Q98 3.1.5.8 Aerobic capacity and endurance (e.g., dyspnea perceived exertion, heart rate).

Answered: 261 Skipped: 949

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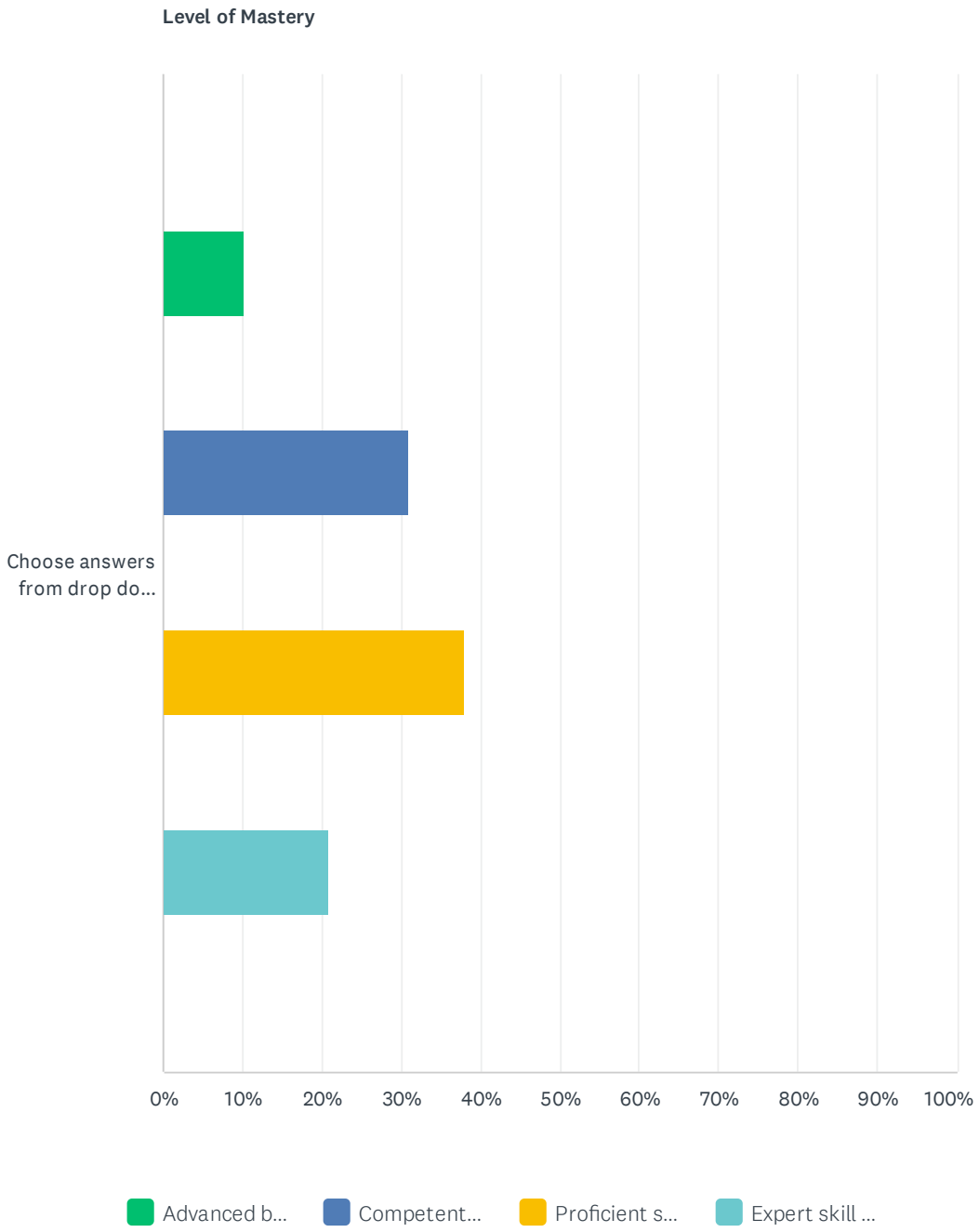


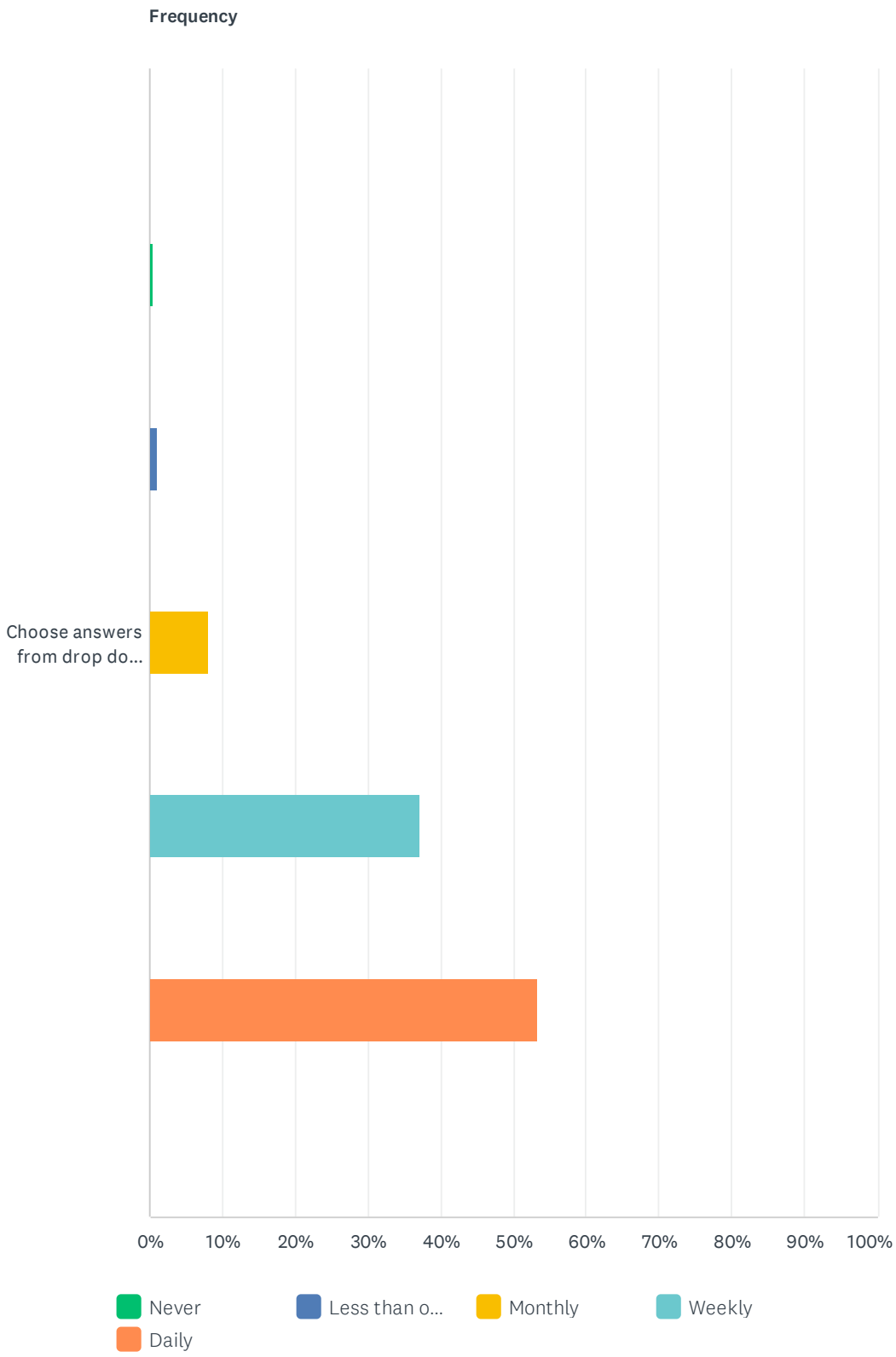

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.53%<br>4 | 12.26%<br>32 | 21.84%<br>57 | 33.33%<br>87 | 31.03%<br>81 | 261 |

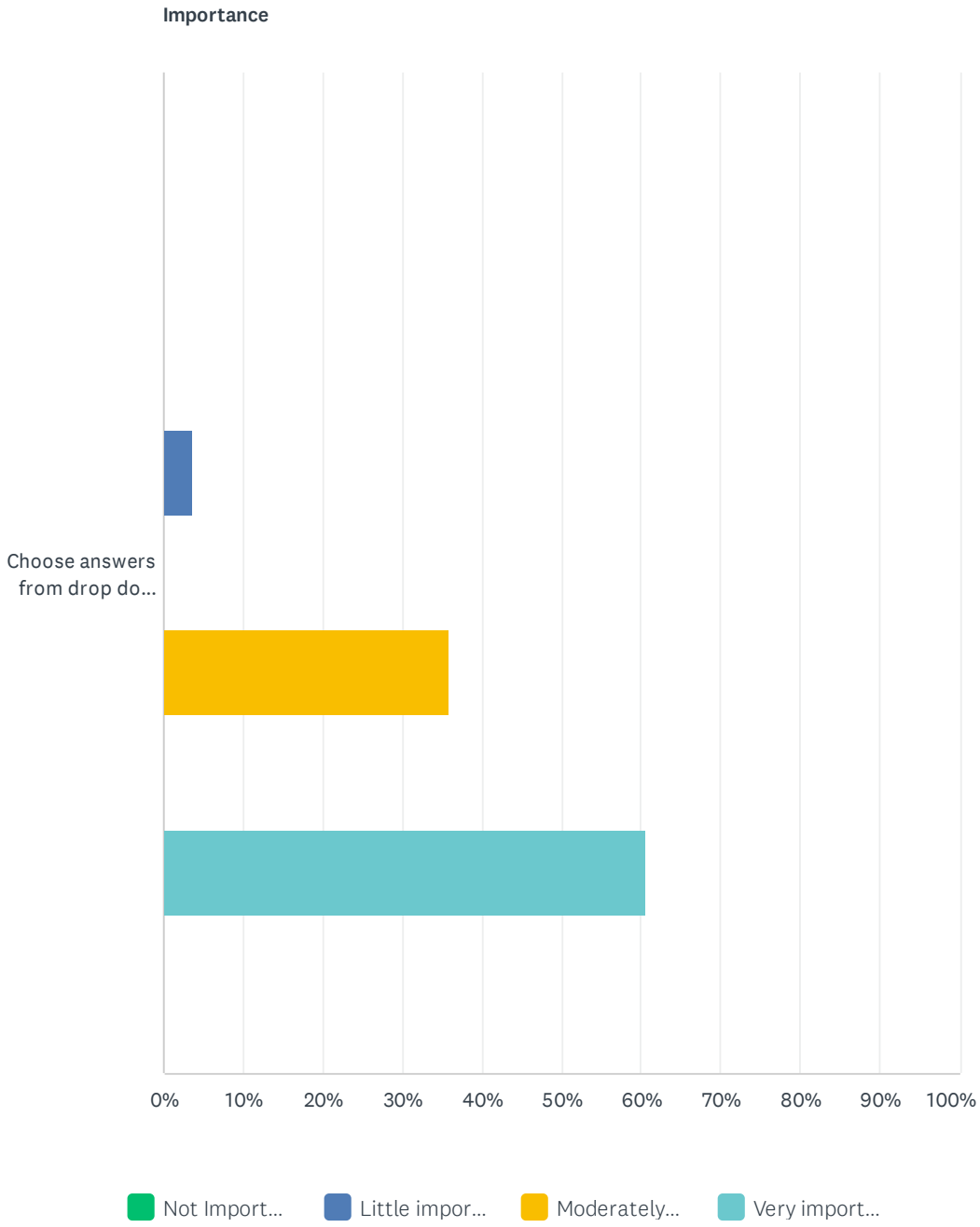
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.59%<br>4 | 8.73%<br>22 | 51.59%<br>130 | 38.10%<br>96 | 252 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 10.20%<br>25 | 31.02%<br>76 | 37.96%<br>93 | 20.82%<br>51 | <br>245 |

# Q99 3.1.5.9 Neurodynamics.

Answered: 259 Skipped: 951

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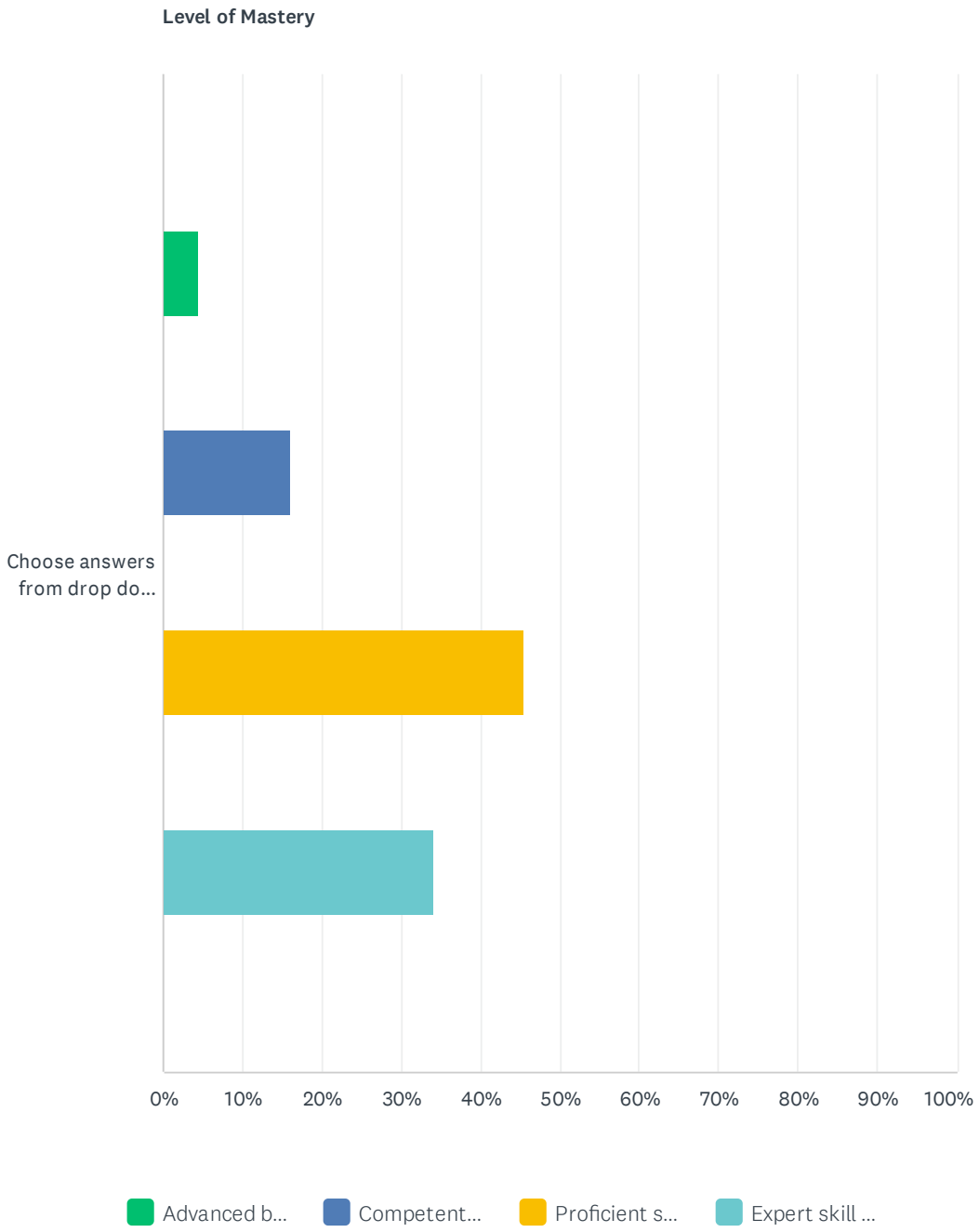


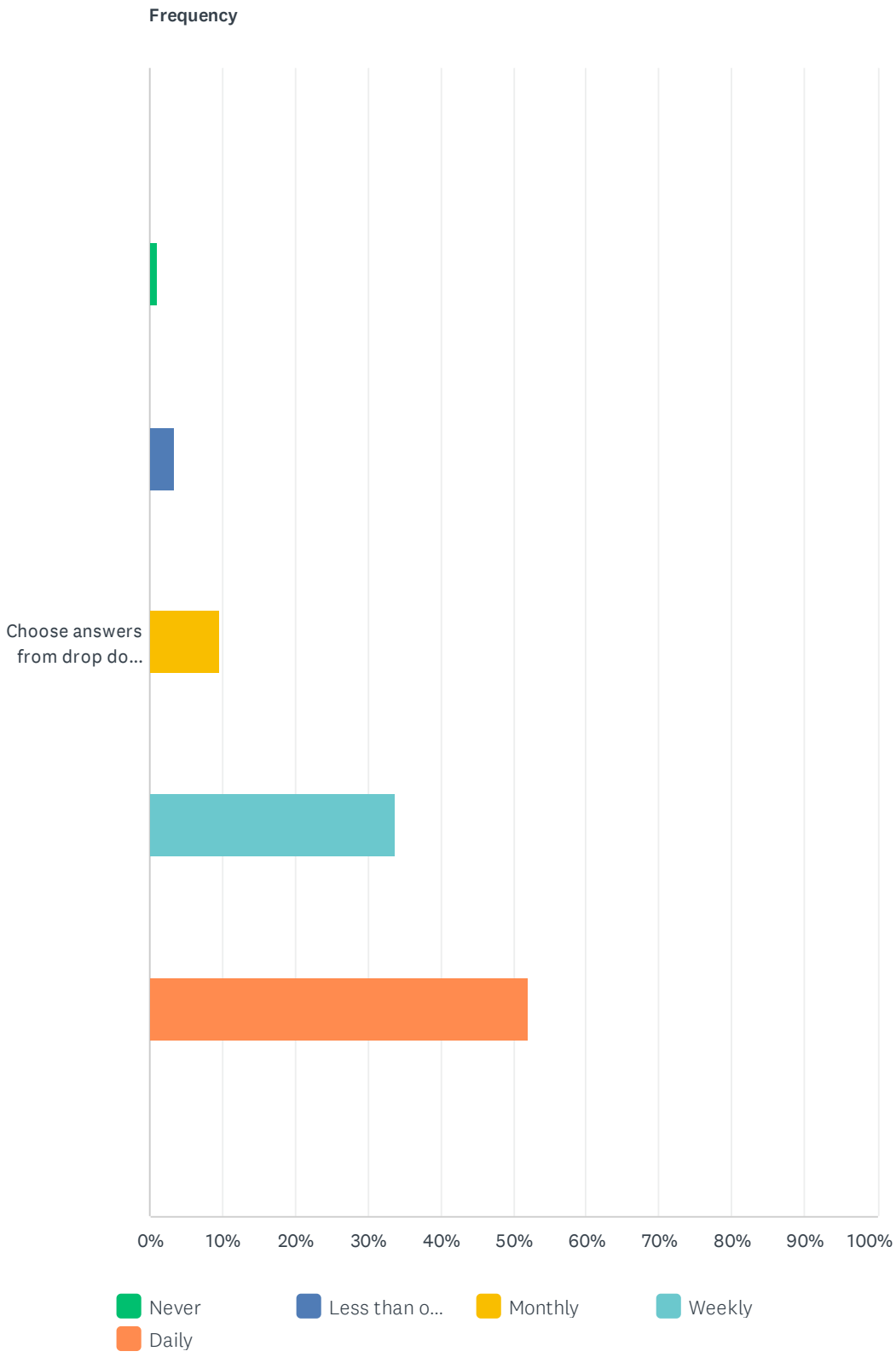

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.39%<br>1 | 1.16%<br>3 | 8.11%<br>21 | 37.07%<br>96 | 53.28%<br>138 | 259 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 3.59%<br>9 | 35.86%<br>90 | 60.56%<br>152 | 251 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 4.51%<br>11 | 15.98%<br>39 | 45.49%<br>111 | 34.02%<br>83 | <br>244 |

# Q100 3.1.5.10 Sensory integrity (e.g., assessment of superficial sensation, dermatomes, myotomes, proprioception and kinesthesia, 2-point discrimination, quantitative sensory testing).

Answered: 261 Skipped: 949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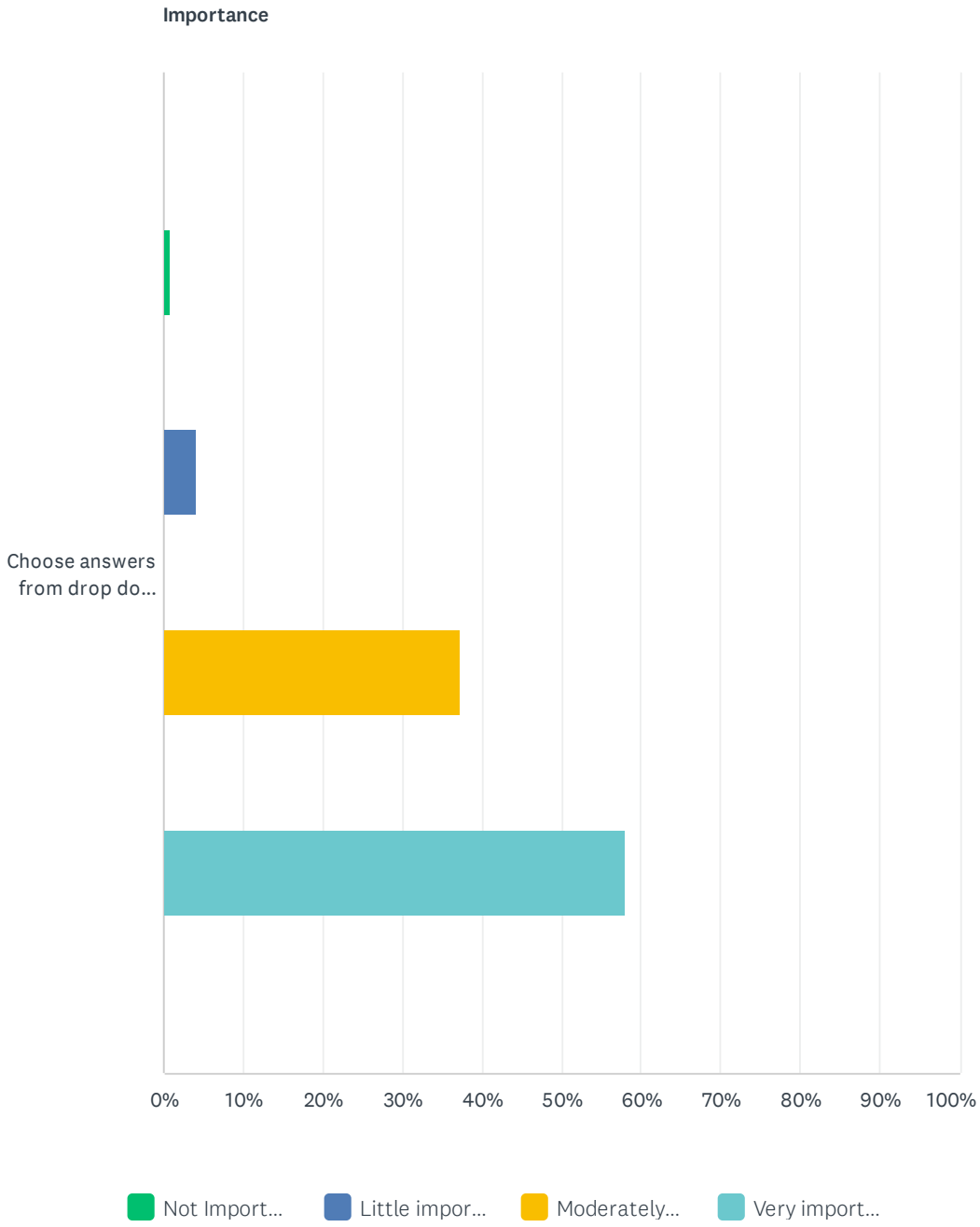
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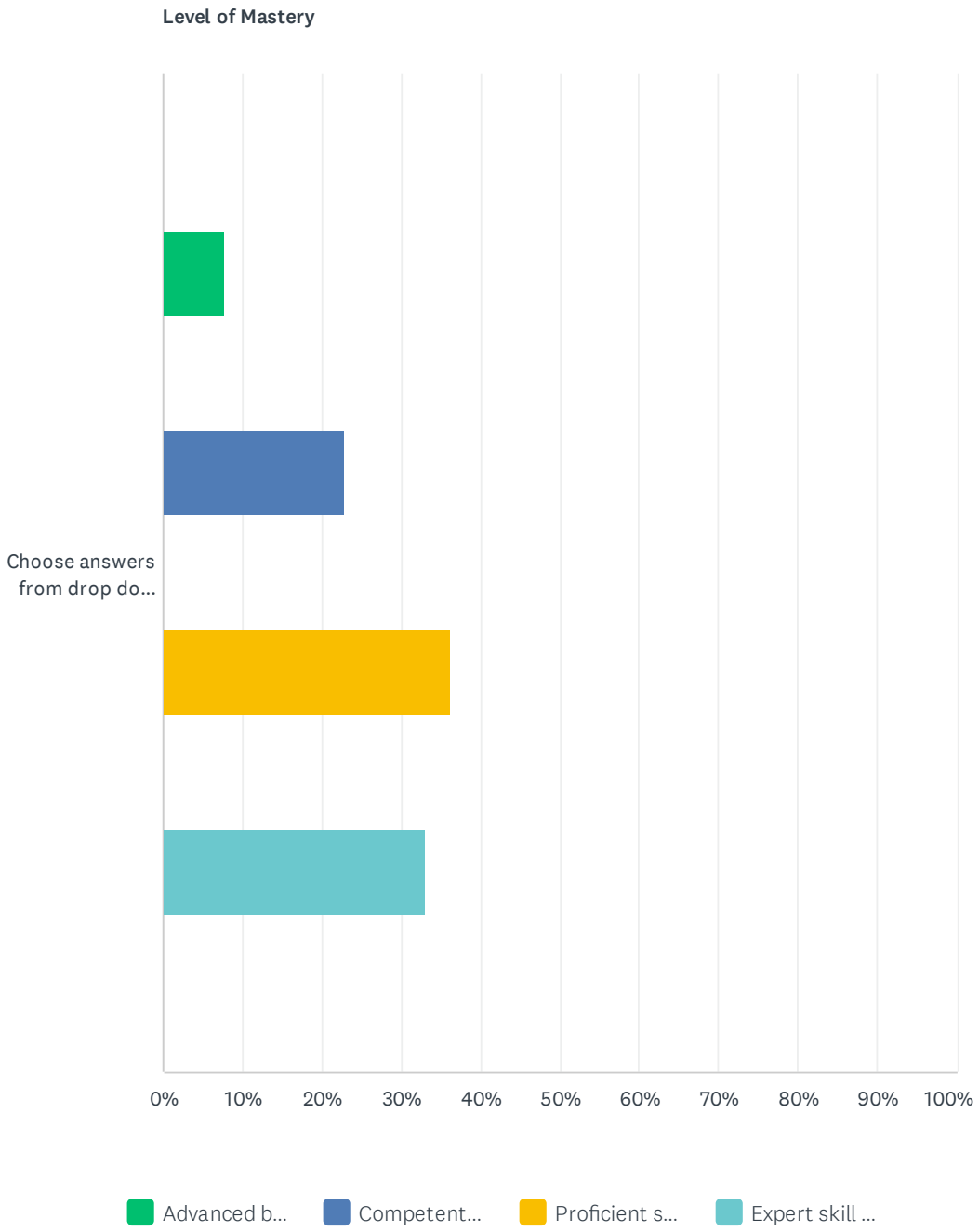


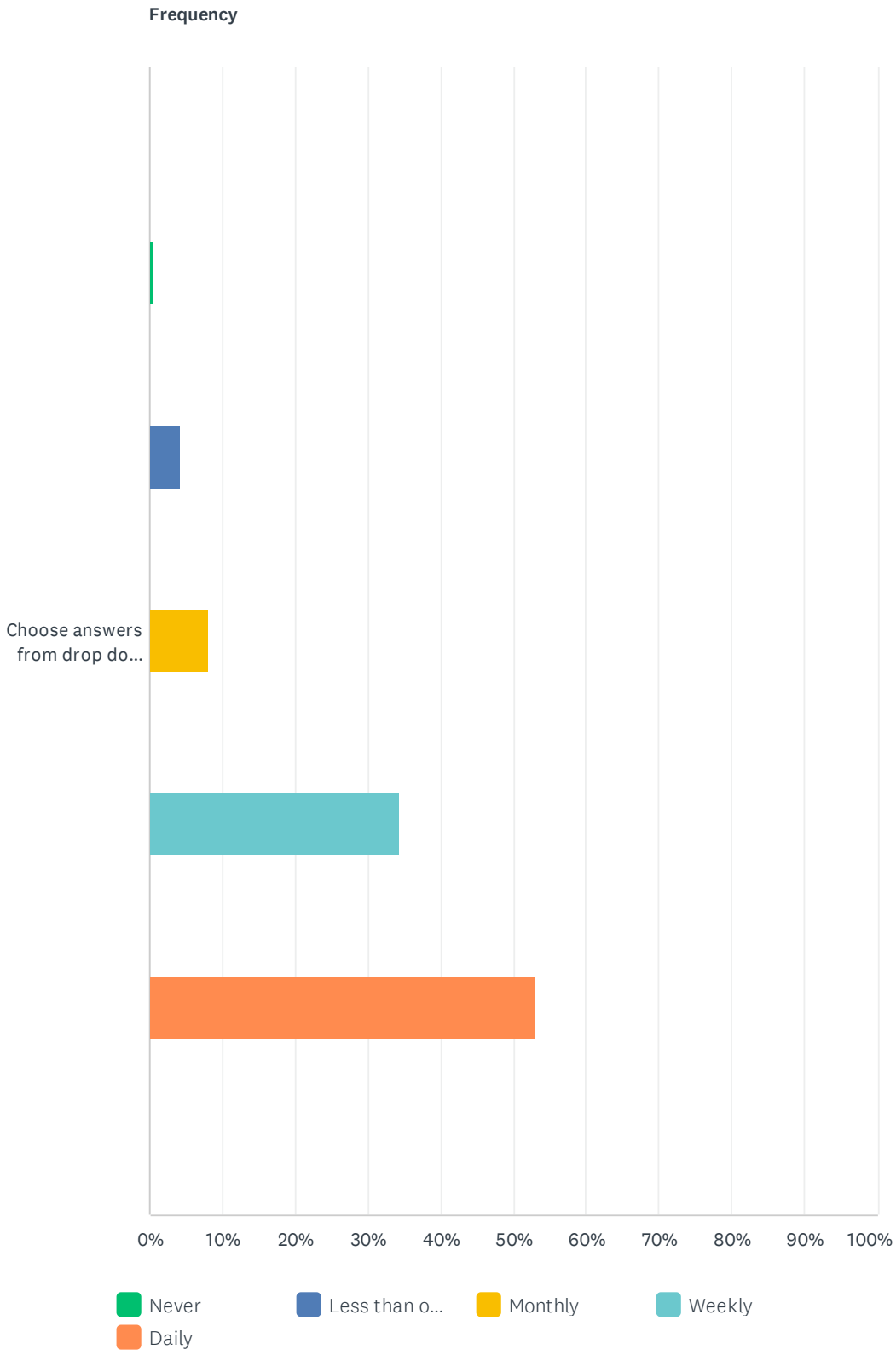

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.15%<br>3 | 3.45%<br>9 | 9.58%<br>25 | 33.72%<br>88 | 52.11%<br>136 | 261 |

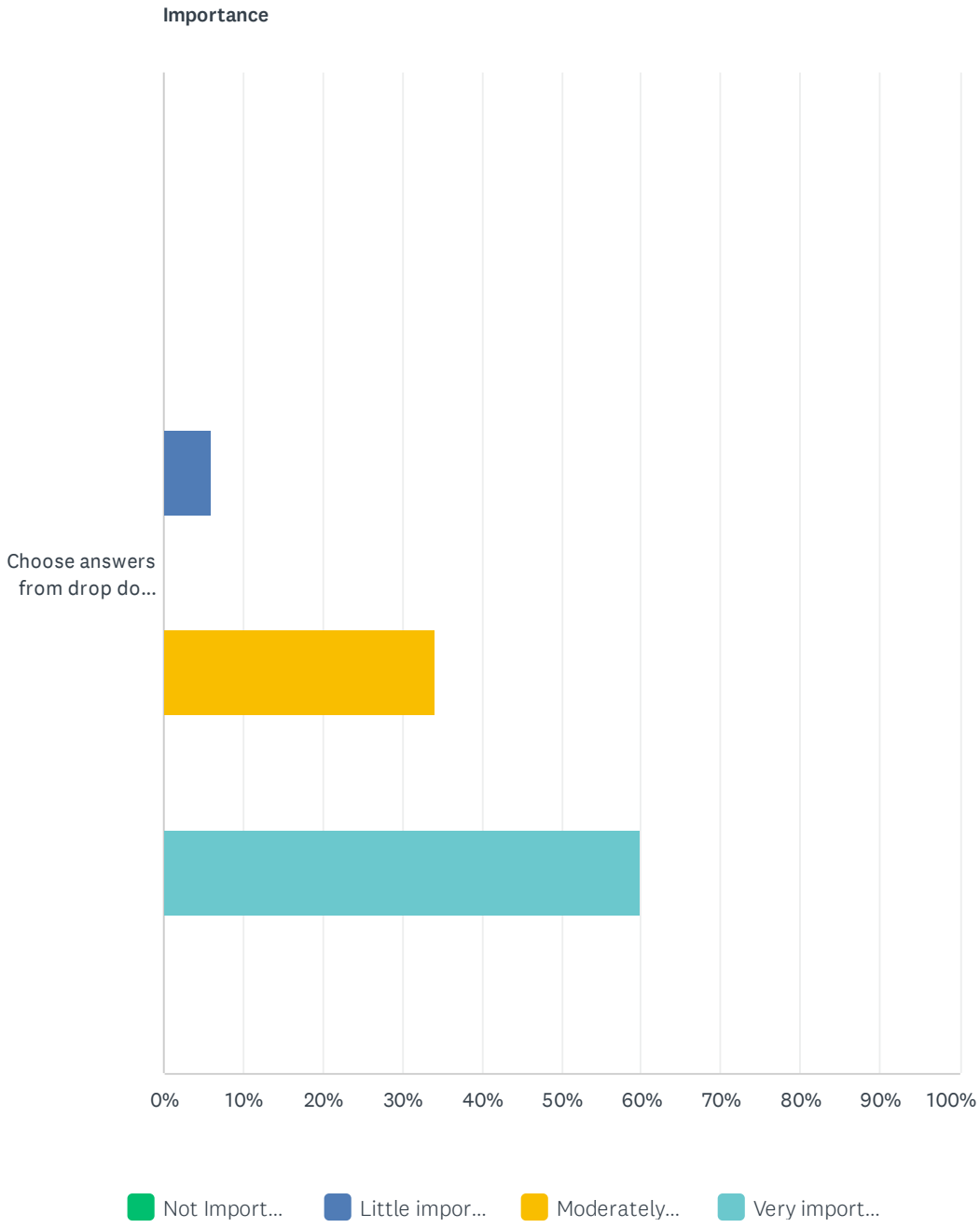
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.79%<br>2 | 3.97%<br>10 | 37.30%<br>94 | 57.94%<br>146 | 252 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 7.76%<br>19 | 22.86%<br>56 | 36.33%<br>89 | 33.06%<br>81 | <br>245 |

# Q101 3.1.5.11 Reflex integrity (e.g., assessment of normal and pathological reflexes).

Answered: 260 Skipped: 950

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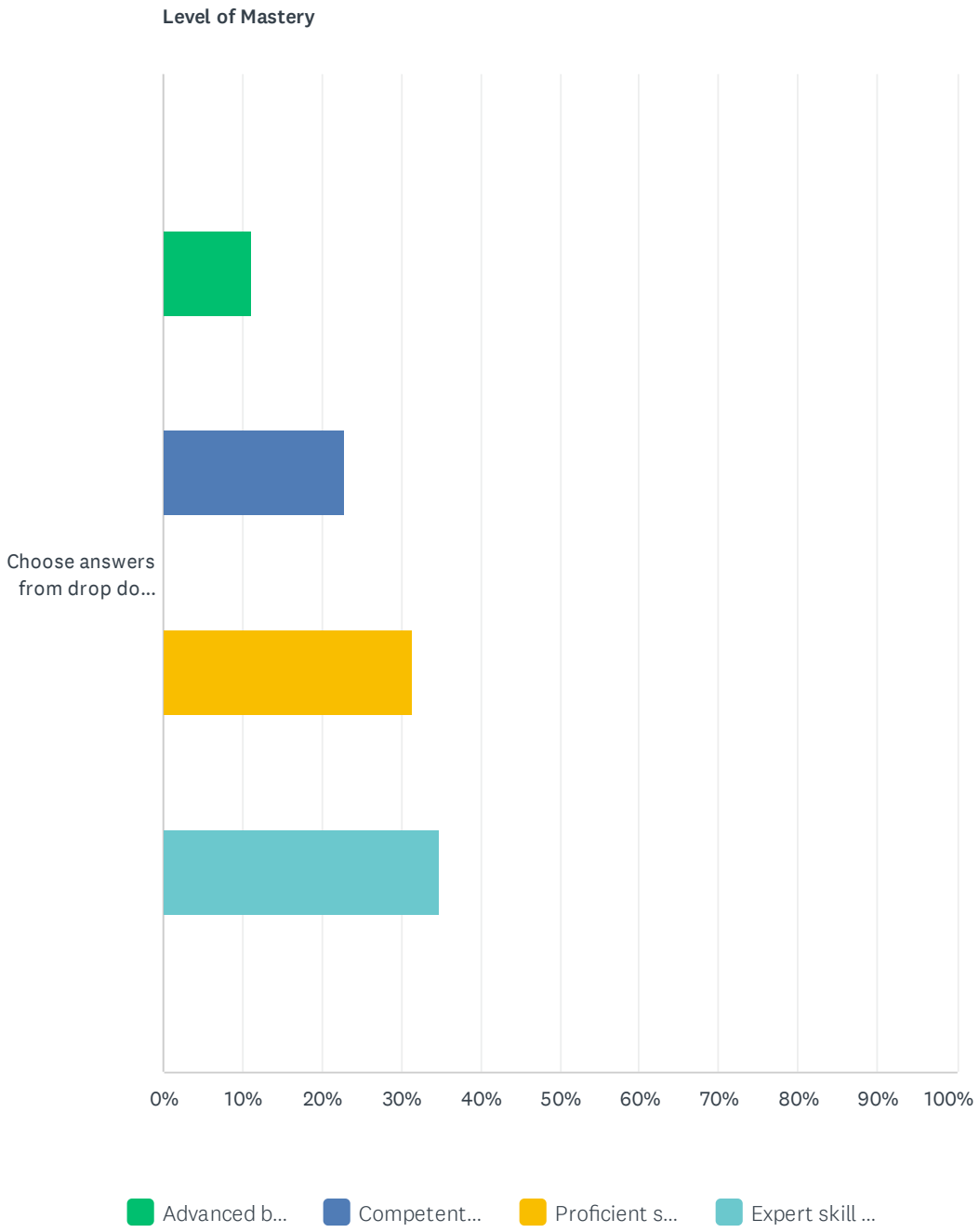


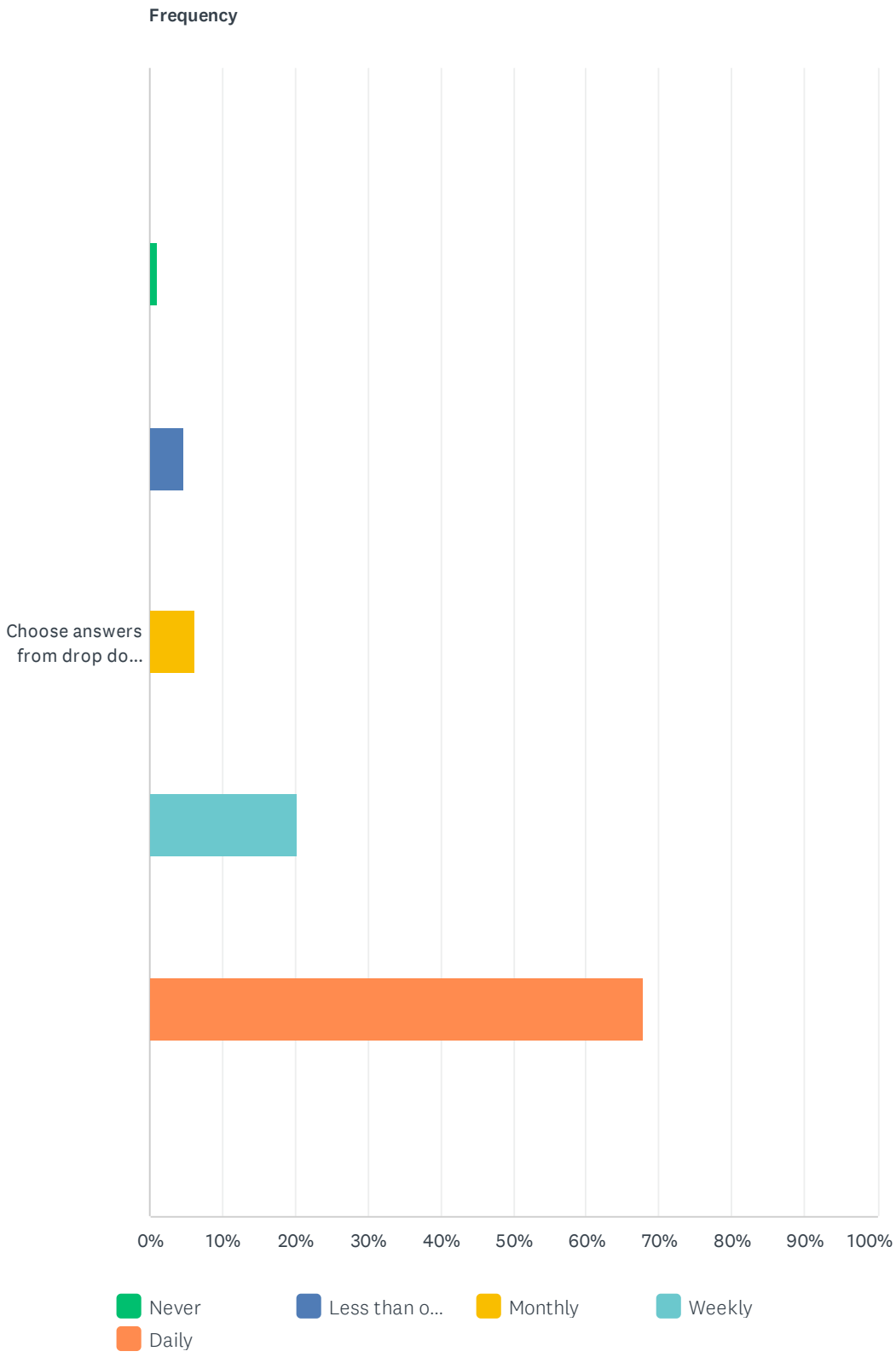

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.38%<br>1 | 4.23%<br>11 | 8.08%<br>21 | 34.23%<br>89 | 53.08%<br>138 | 260 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 5.95%<br>15 | 34.13%<br>86 | 59.92%<br>151 | 252 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 11.02%<br>27 | 22.86%<br>56 | 31.43%<br>77 | 34.69%<br>85 | <br>245 |

# Q102 3.1.5.12 Motor control and coordination (e.g., assessment of timing of movements across segments, capability of acquiring new movement strategies).

Answered: 261 Skipped: 949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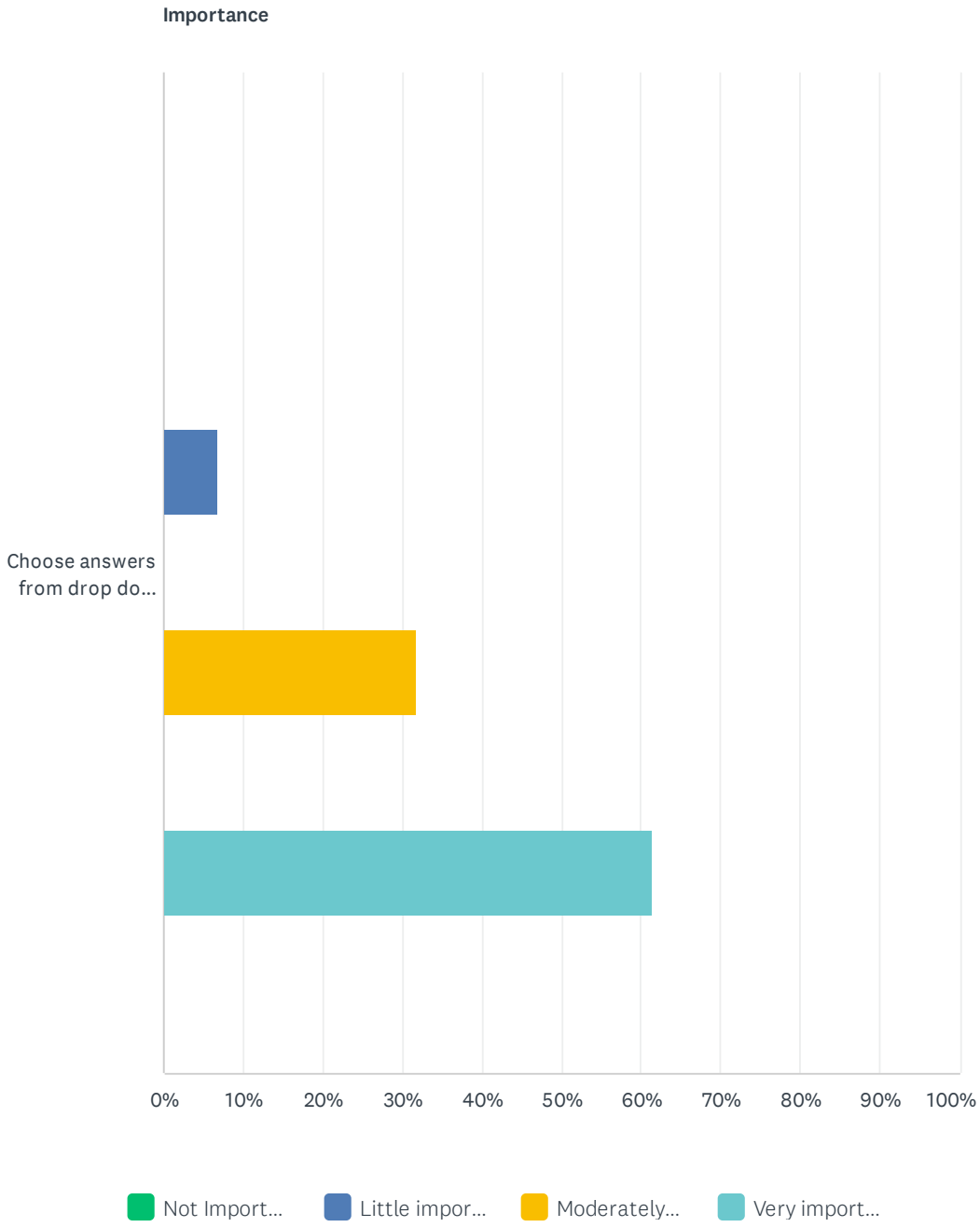
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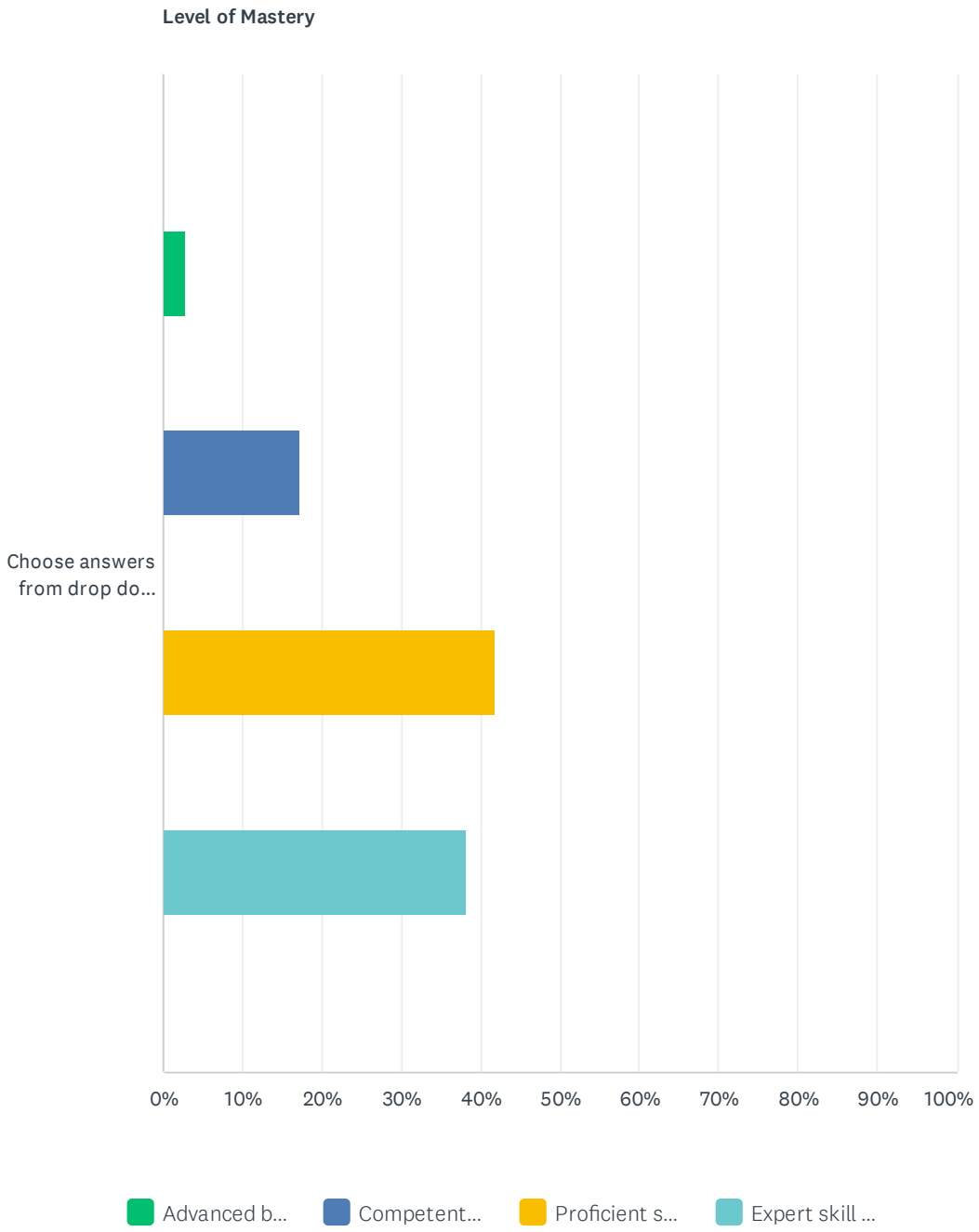


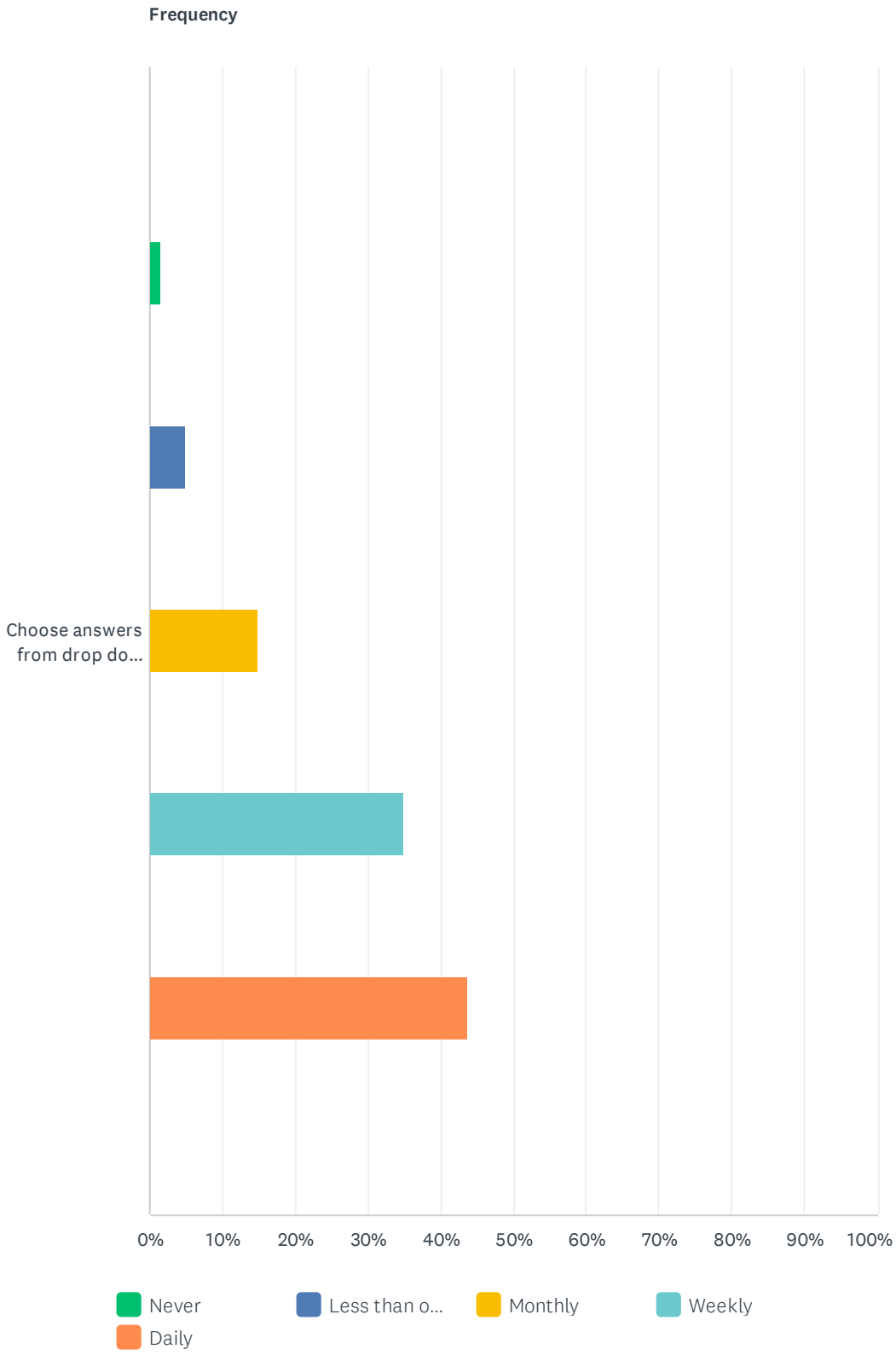

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.15%<br>3 | 4.60%<br>12 | 6.13%<br>16 | 20.31%<br>53 | 67.82%<br>177 | 261 |

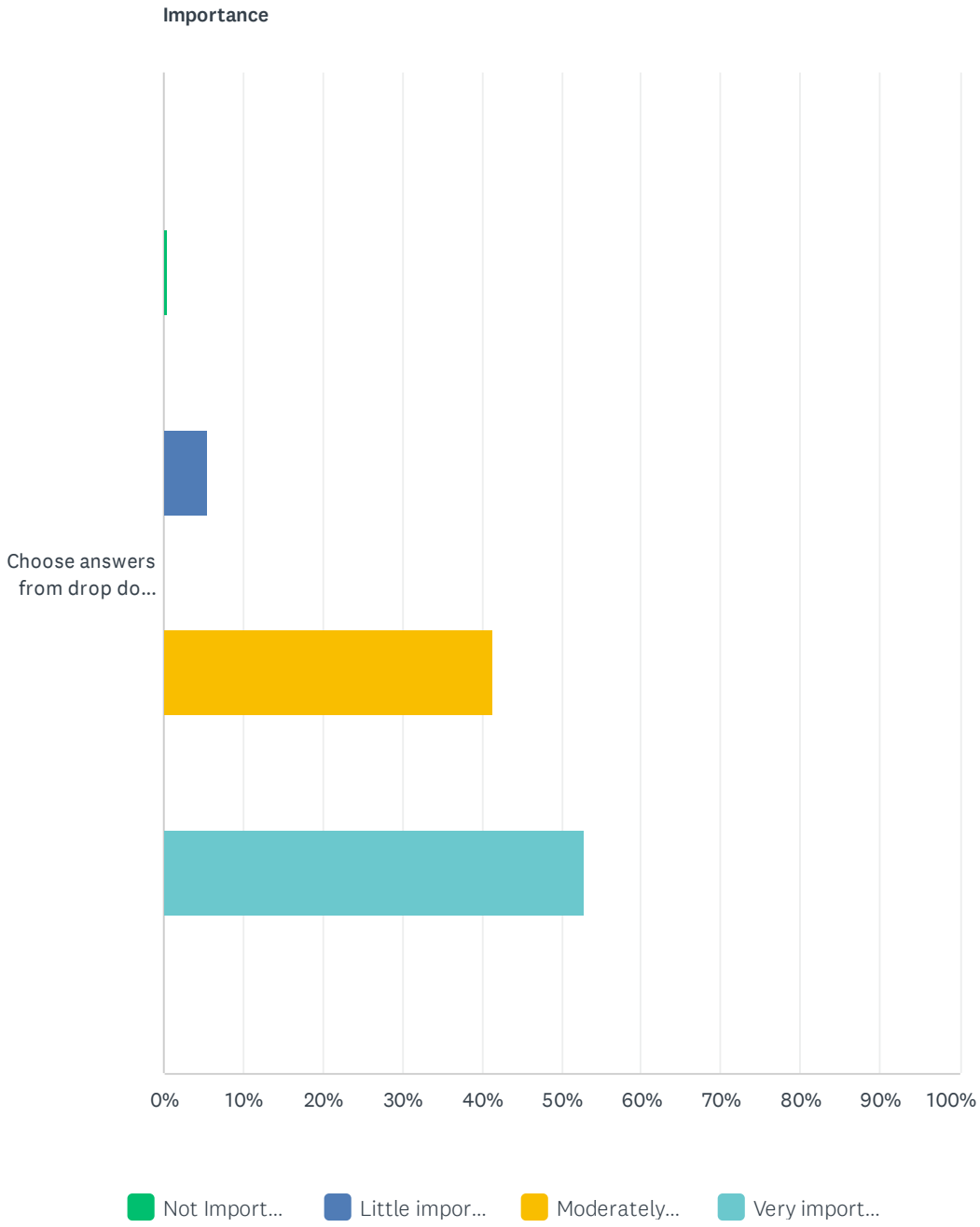
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 6.75%<br>17 | 31.75%<br>80 | 61.51%<br>155 | 252 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 2.87%<br>7 | 17.21%<br>42 | 41.80%<br>102 | 38.11%<br>93 | <br>244 |

# Q103 3.1.5.13 Biopsychosocial functioning (e.g., depression, impaired motivation, FABQ, STarT Back, Tampa Kinesiophobia).

Answered: 261 Skipped: 949

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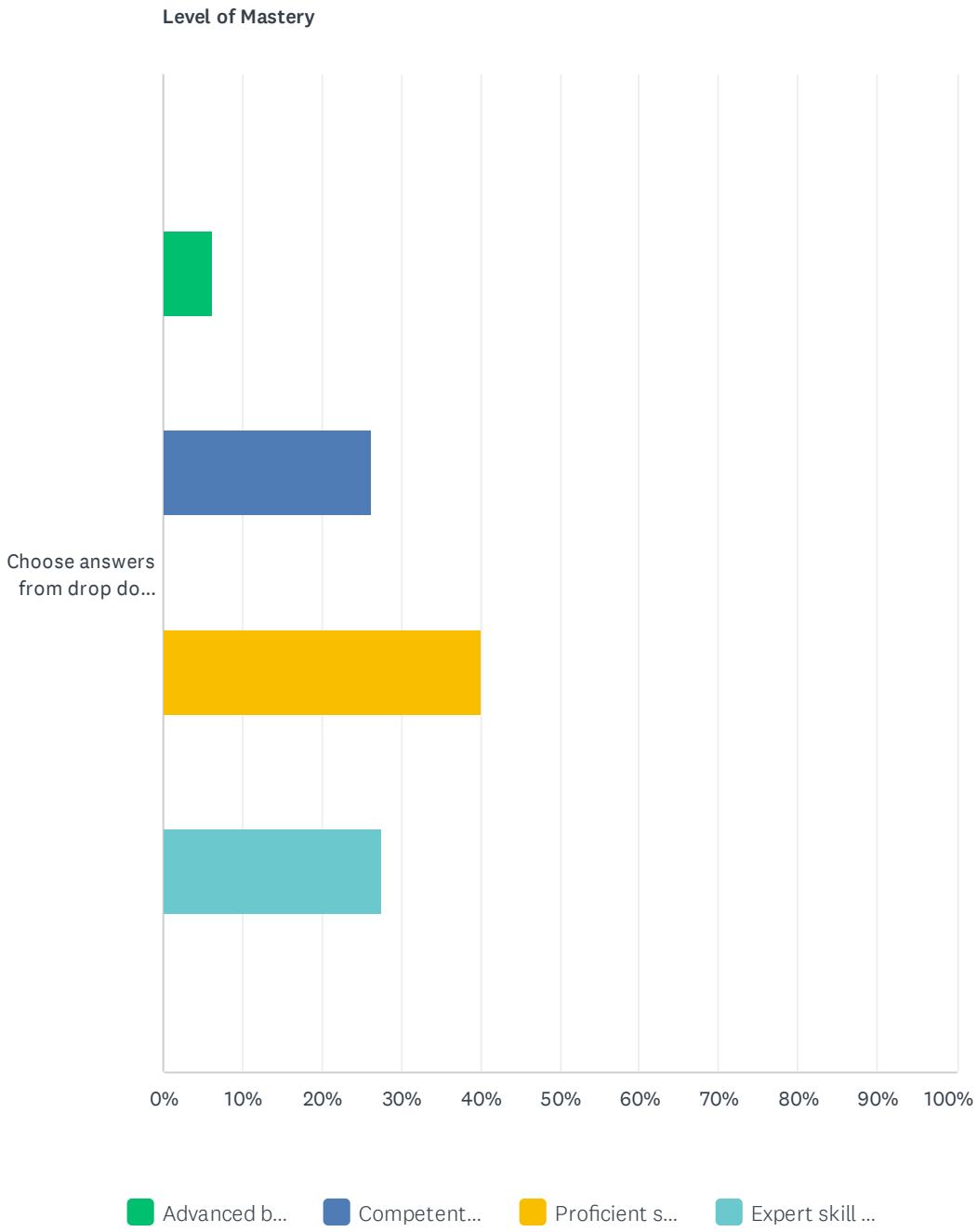


| Frequency | | | | | | |
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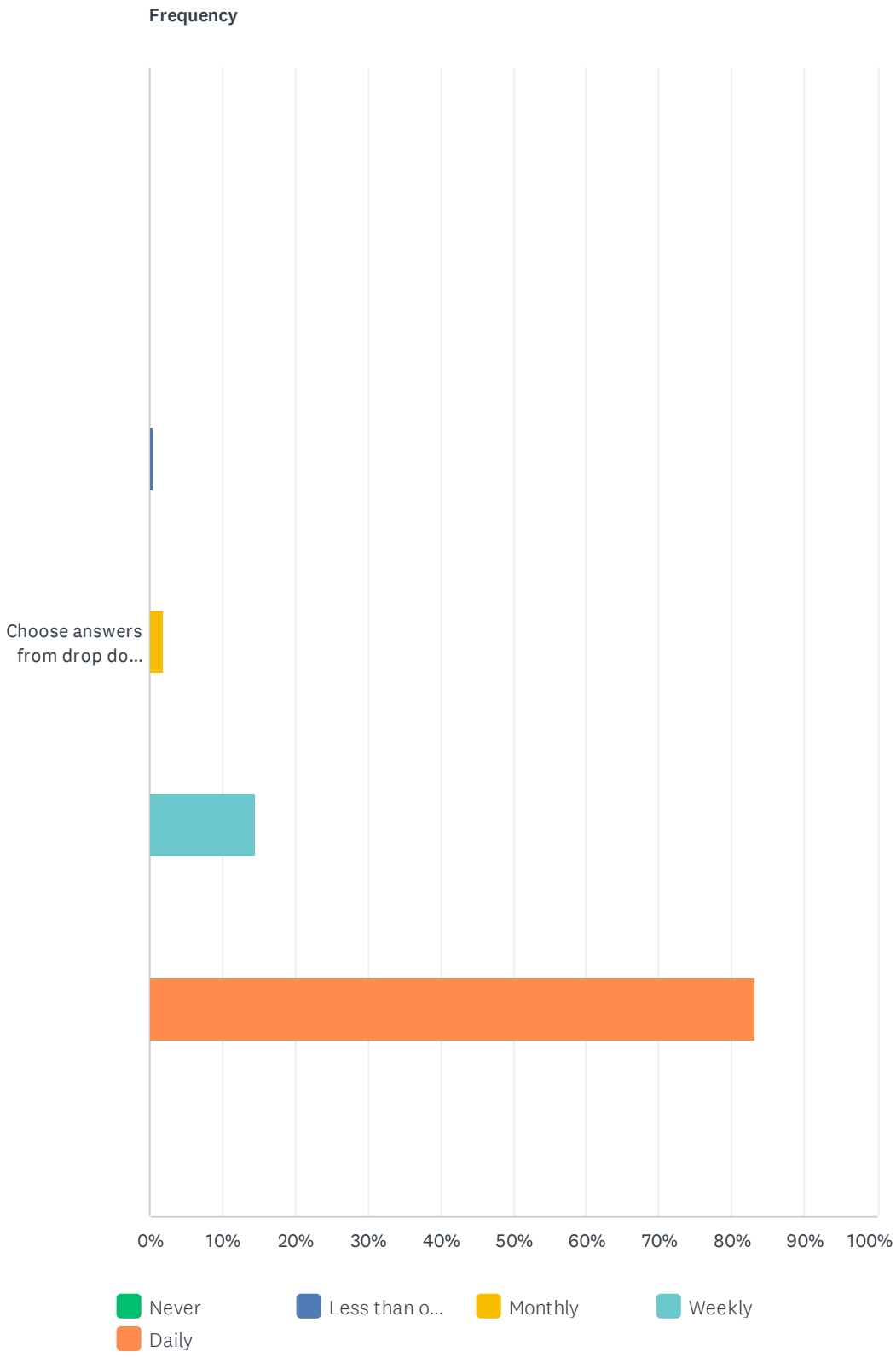
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.53%<br>4 | 4.98%<br>13 | 14.94%<br>39 | 34.87%<br>91 | 43.68%<br>114 | 261 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.40%<br>1 | 5.56%<br>14 | 41.27%<br>104 | 52.78%<br>133 | 252 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 6.15%<br>15 | 26.23%<br>64 | 40.16%<br>98 | 27.46%<br>67 | <br>244 |

# Q104 3.1.5.14 Joint integrity (i.e., mobility assessment of joint hypermobility and hypomobility to include passive range of motion, passive accessory motions, response to manual provocation).

Answered: 261 Skipped: 949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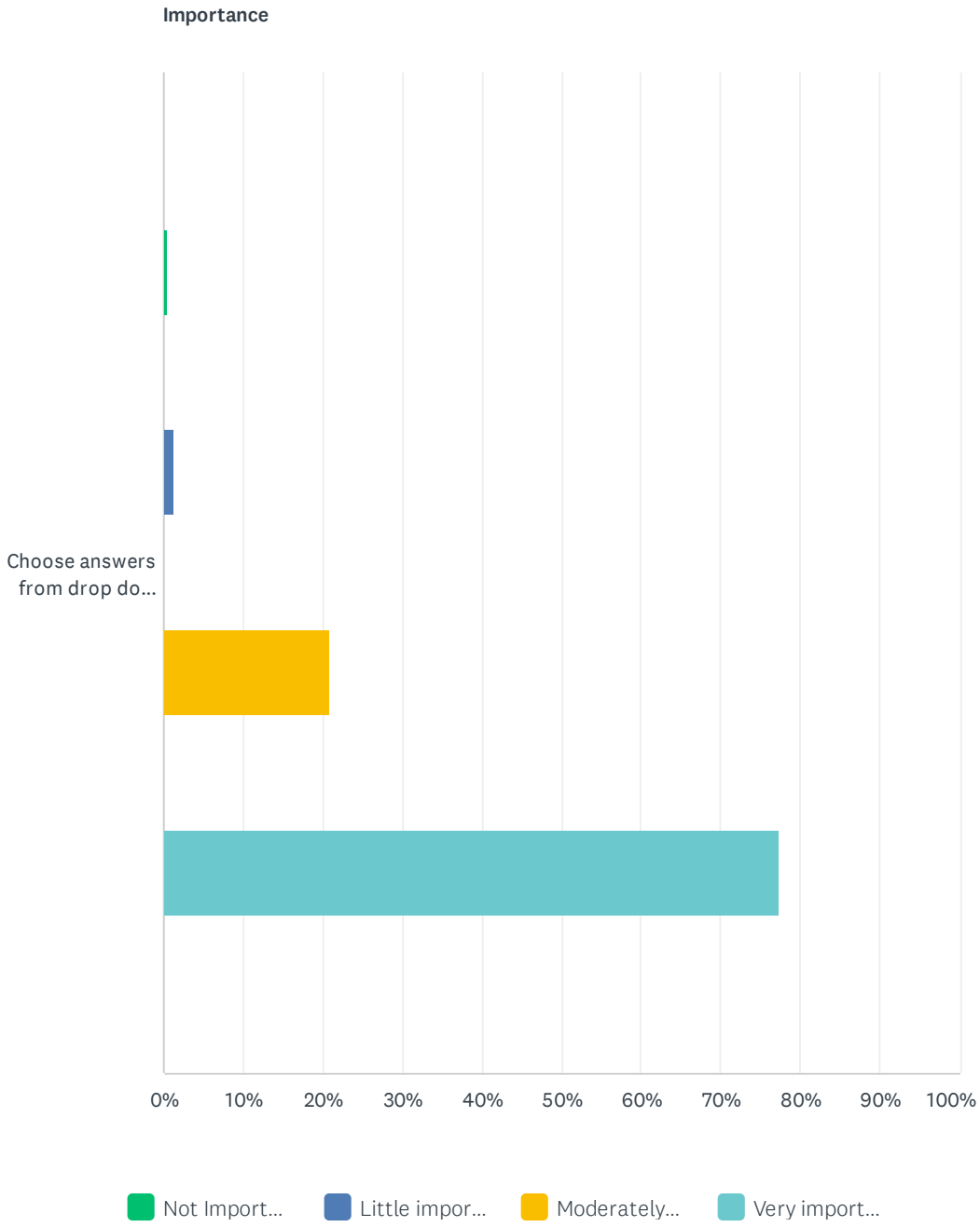
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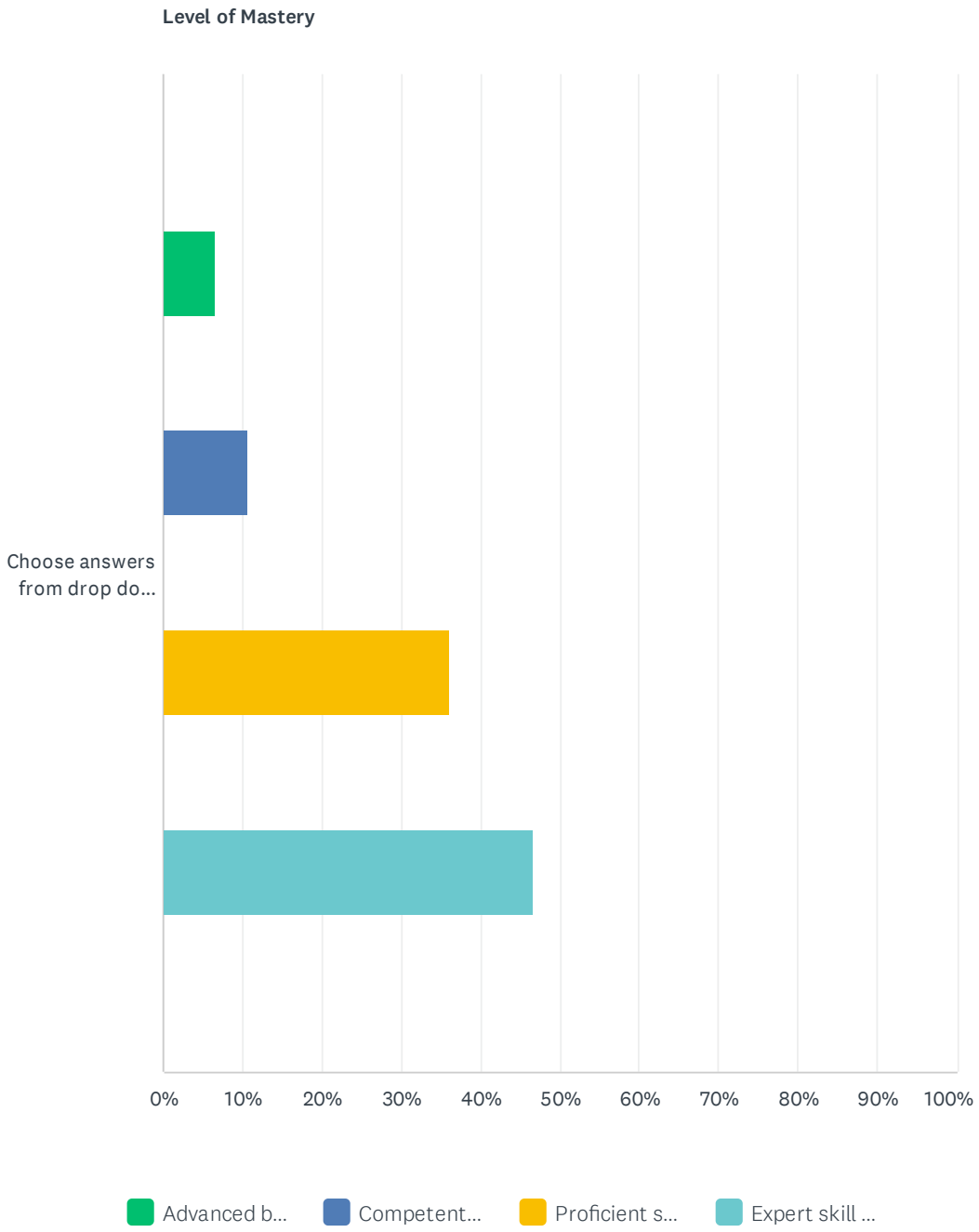


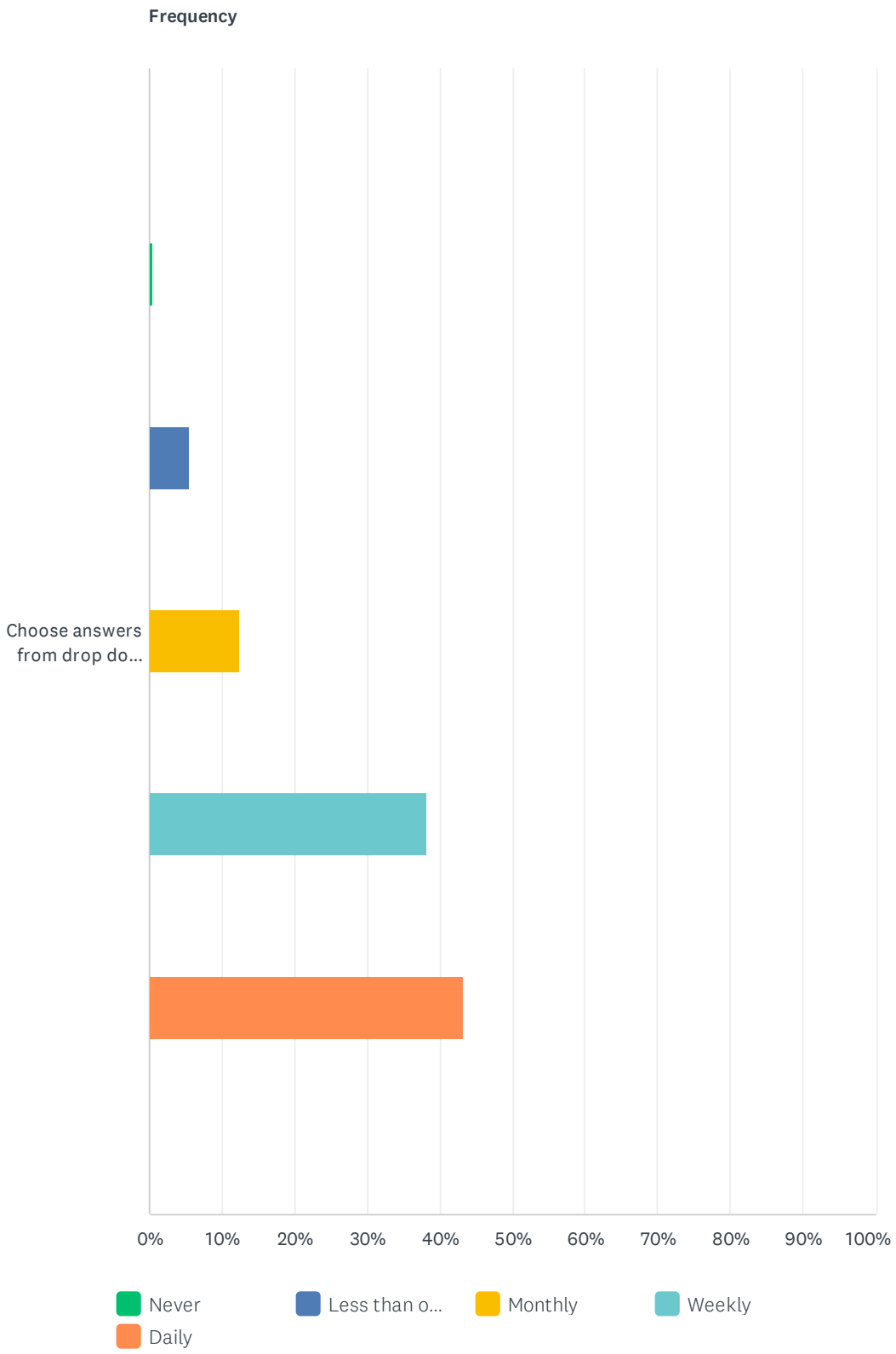

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.38%<br>1 | 1.92%<br>5 | 14.56%<br>38 | 83.14%<br>217 | 261 |

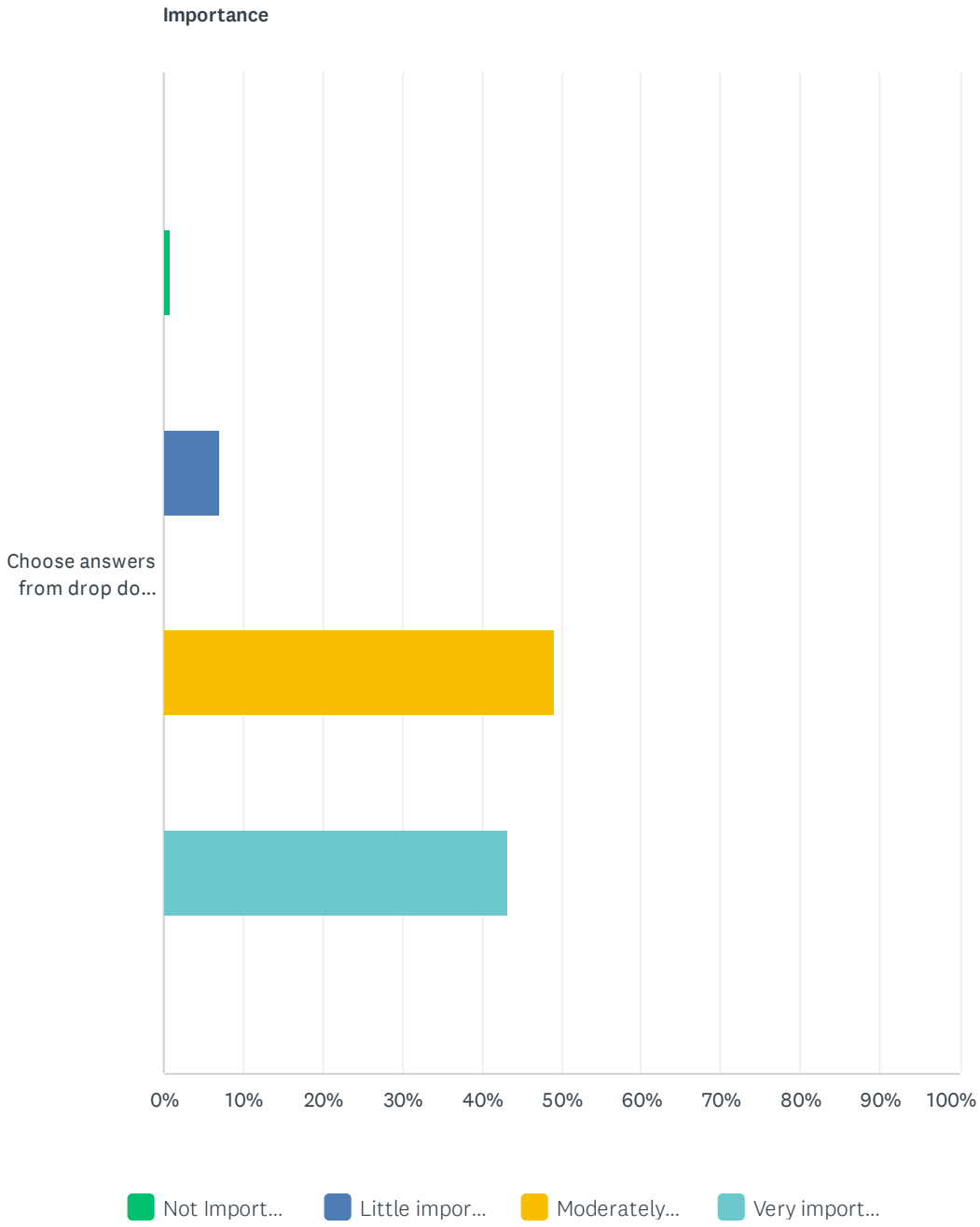
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.40%<br>1 | 1.19%<br>3 | 20.95%<br>53 | 77.47%<br>196 | 253 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 6.56%<br>16 | 10.66%<br>26 | 36.07%<br>88 | 46.72%<br>114 | <br>244 |

# Q105 3.1.5.15 Community, home, and work barriers.

Answered: 250 Skipped: 960

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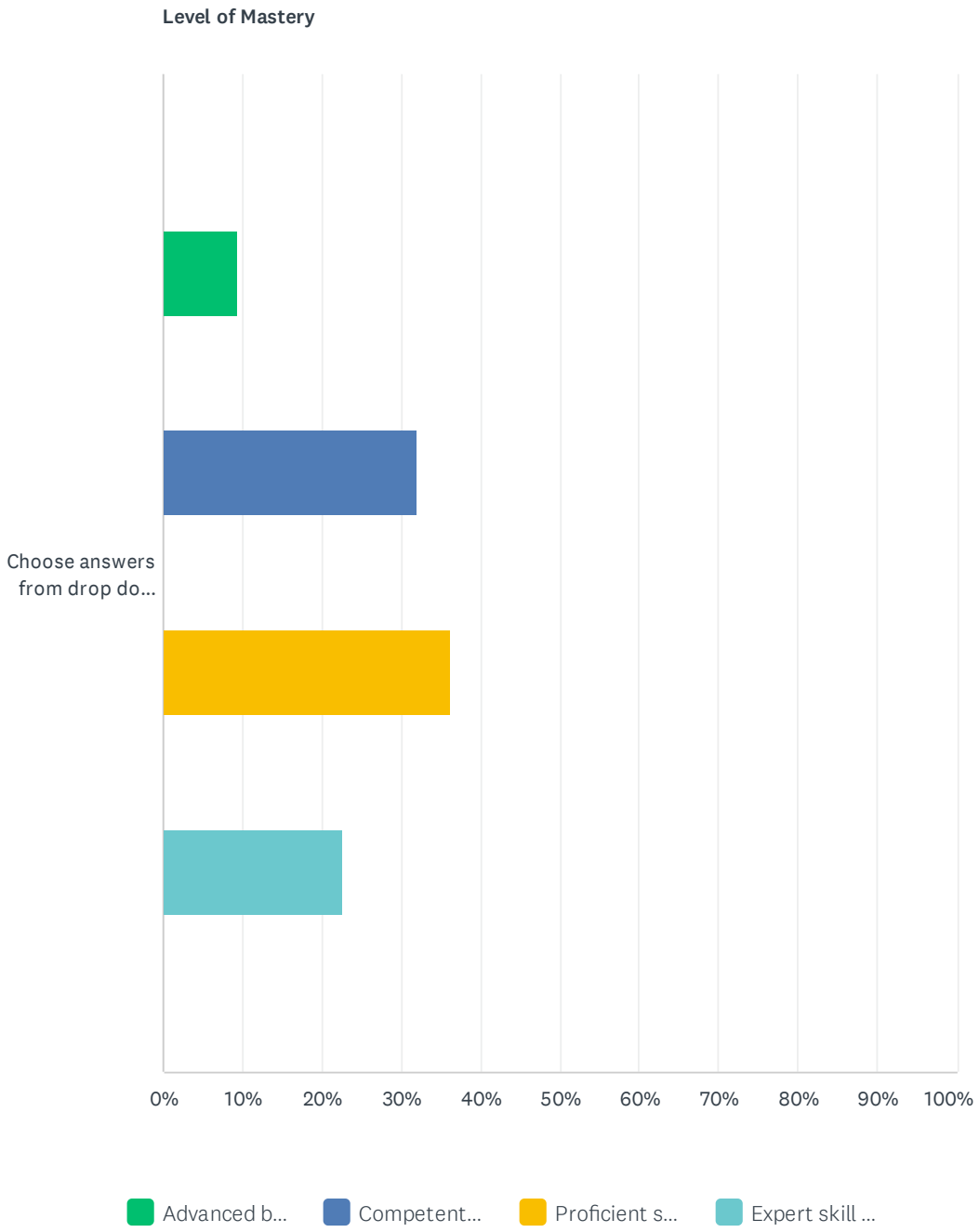


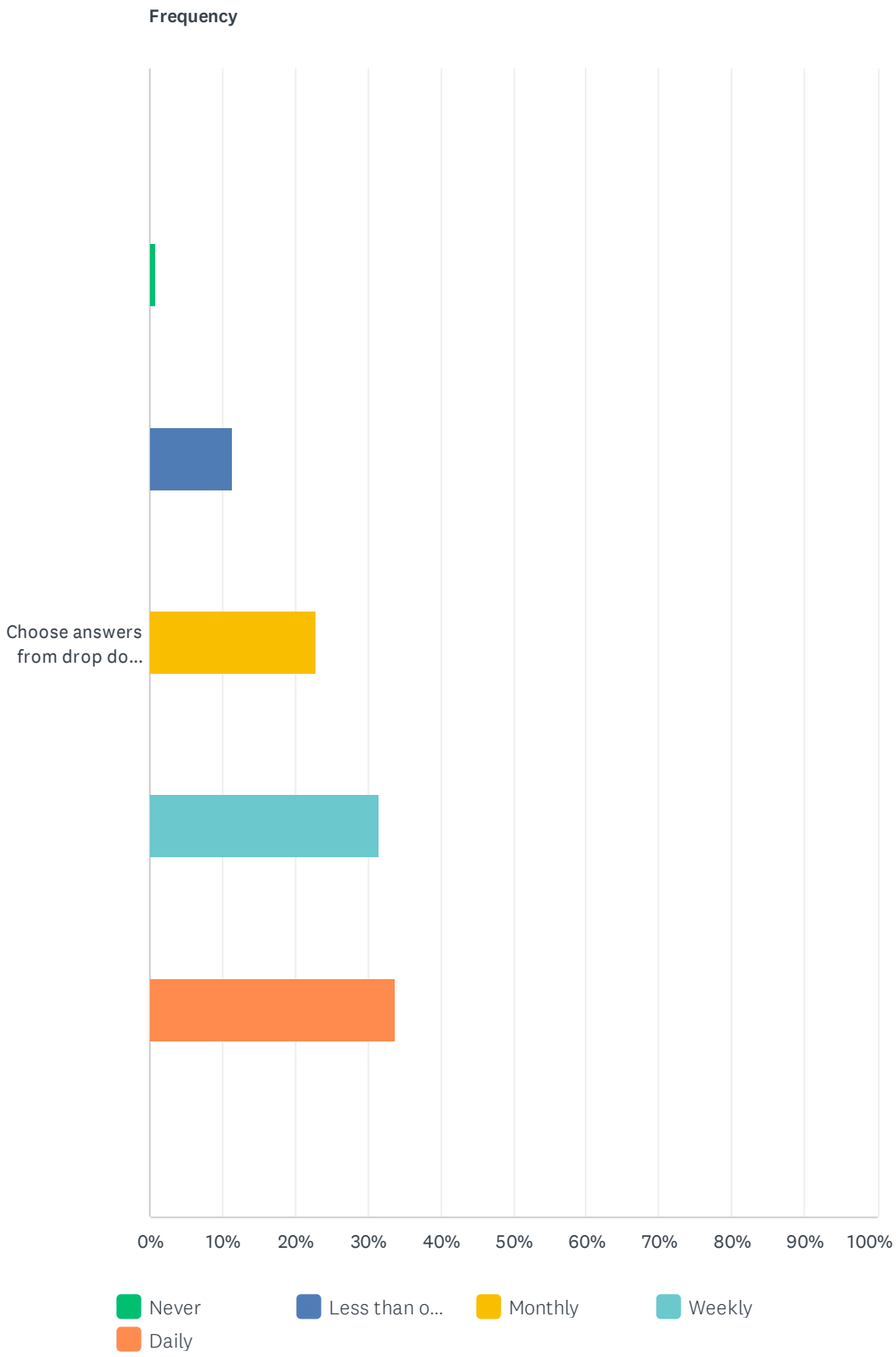

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.40%<br>1 | 5.62%<br>14 | 12.45%<br>31 | 38.15%<br>95 | 43.37%<br>108 | 249 |

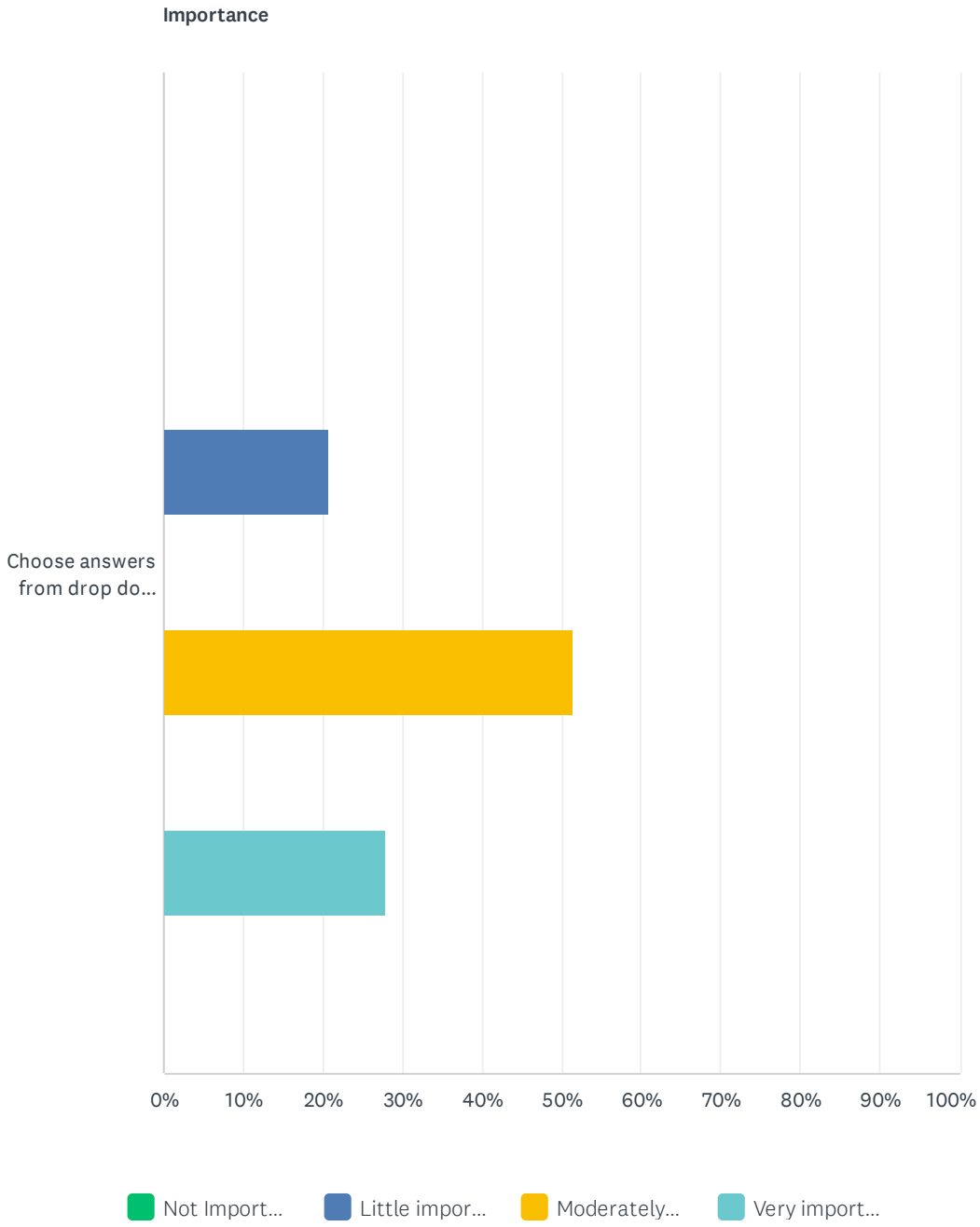
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.82%<br>2 | 7.00%<br>17 | 48.97%<br>119 | 43.21%<br>105 | 243 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 9.36%<br>22 | 31.91%<br>75 | 36.17%<br>85 | 22.55%<br>53 | <br>235 |

# Q106 3.1.5.16 Integumentary integrity.

Answered: 250 Skipped: 960

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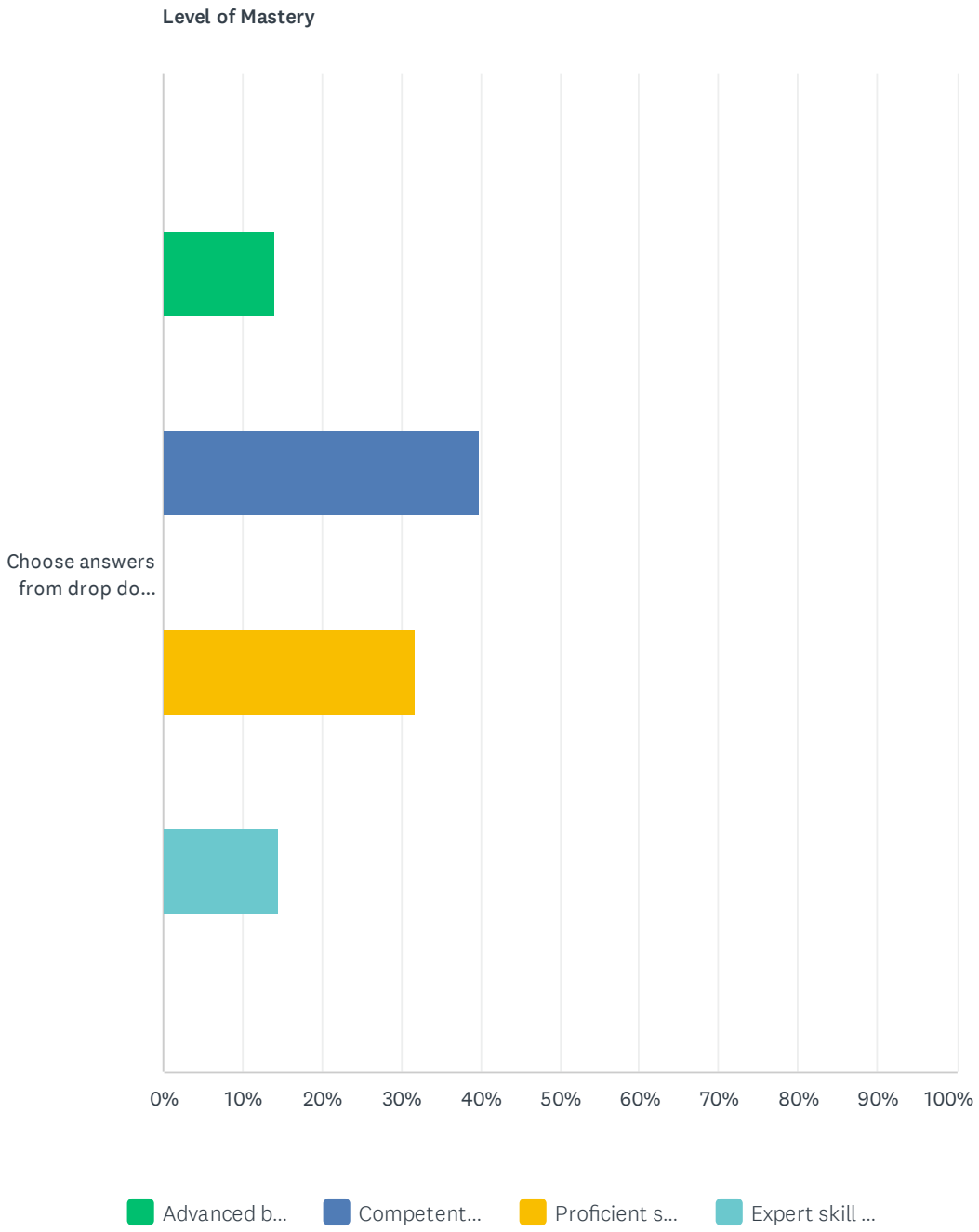


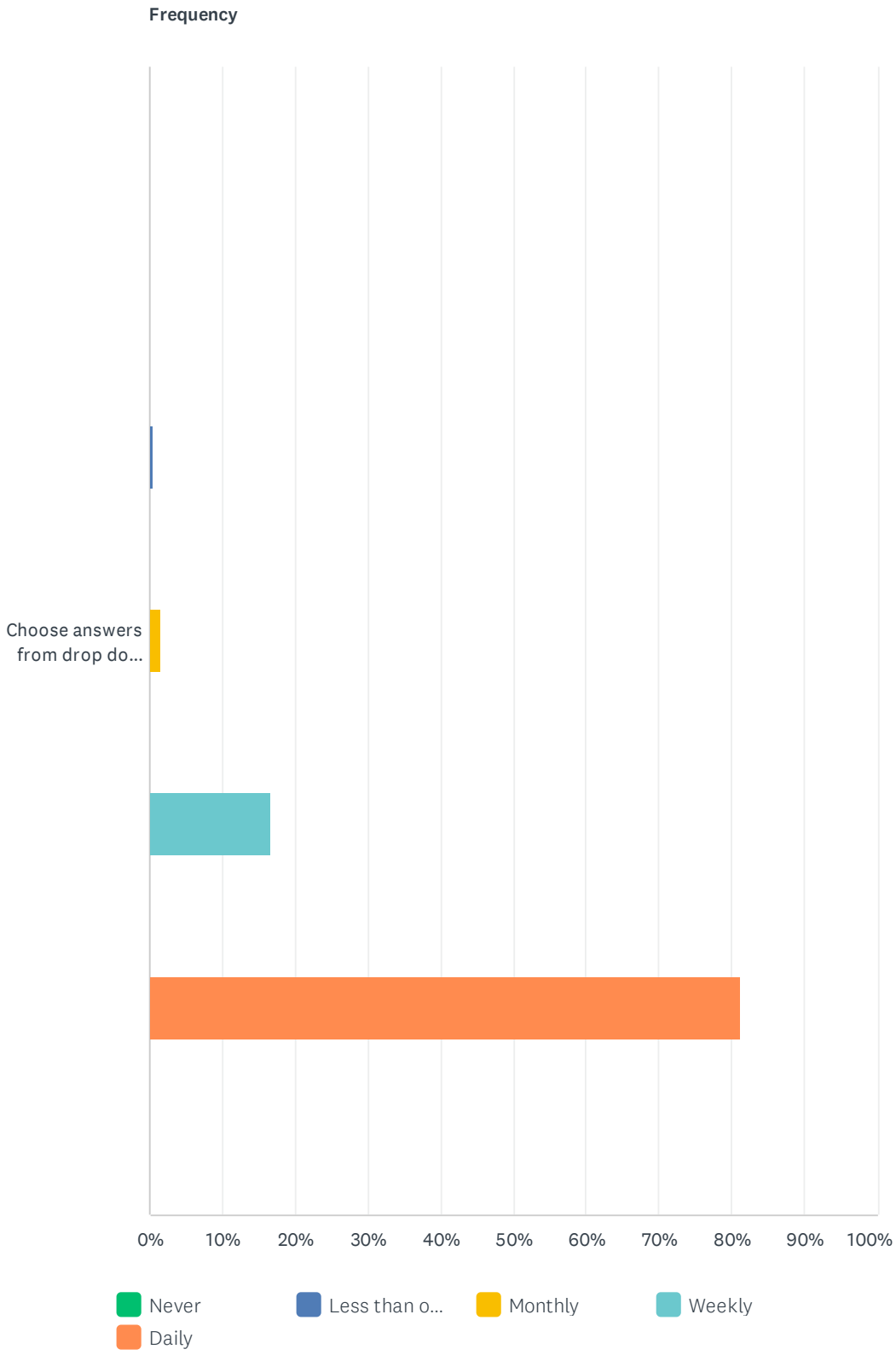

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.80%<br>2 | 11.20%<br>28 | 22.80%<br>57 | 31.60%<br>79 | 33.60%<br>84 | 250 |

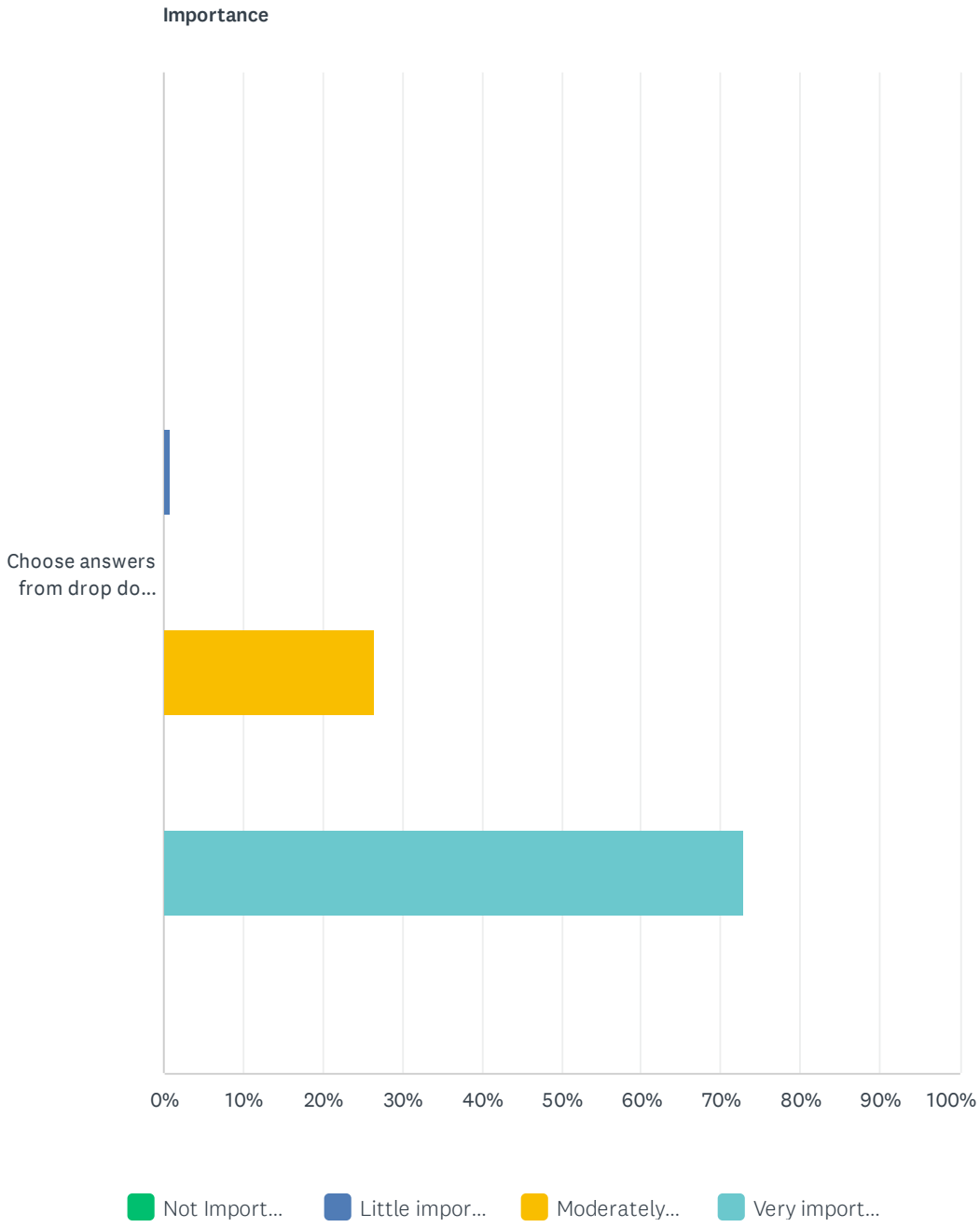
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 20.58%<br>50 | 51.44%<br>125 | 27.98%<br>68 | 243 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 13.98%<br>33 | 39.83%<br>94 | 31.78%<br>75 | 14.41%<br>34 | <br>236 |

# Q107 3.1.5.17 Muscle performance (e.g., strength, power, and endurance).

Answered: 251 Skipped: 959

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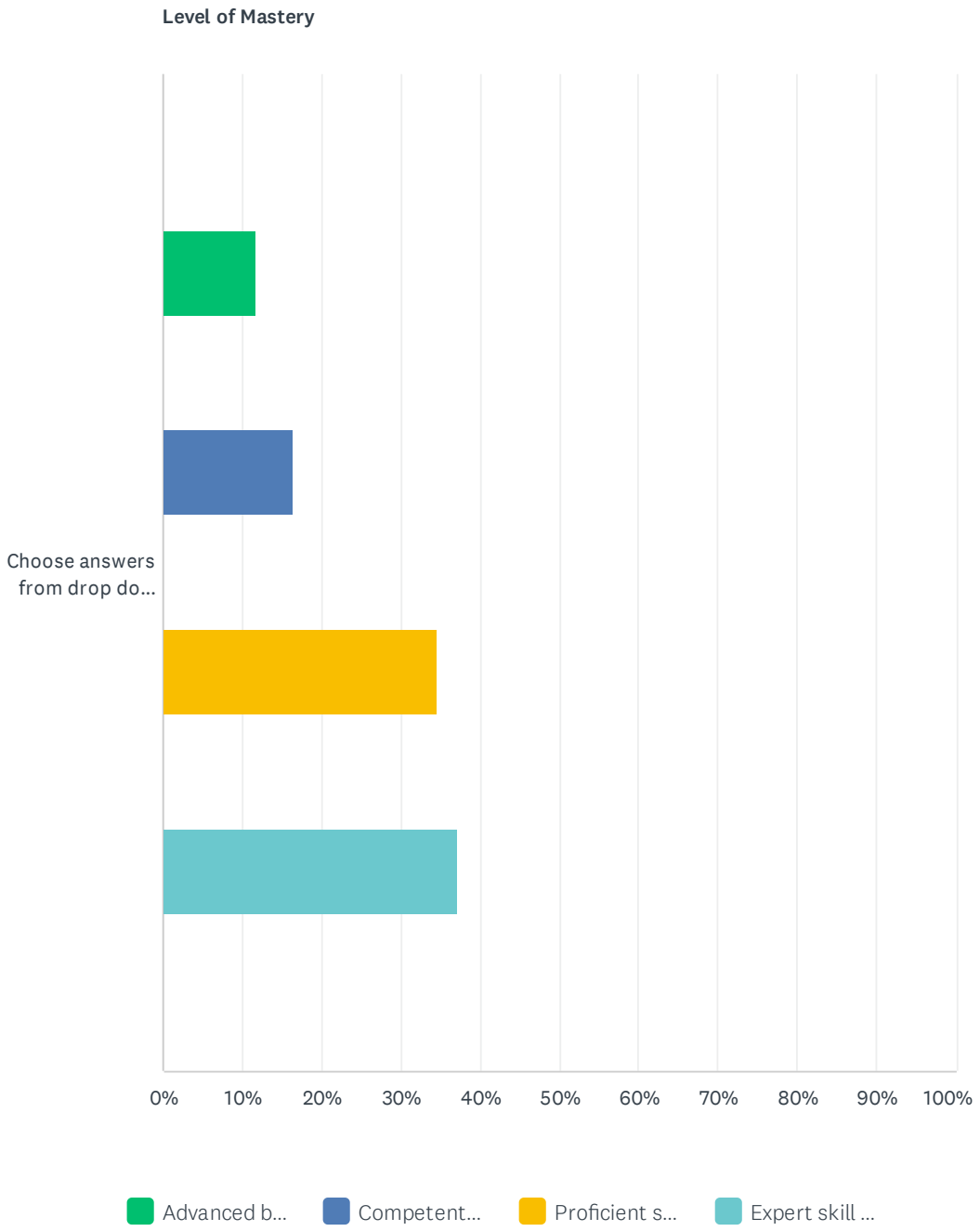


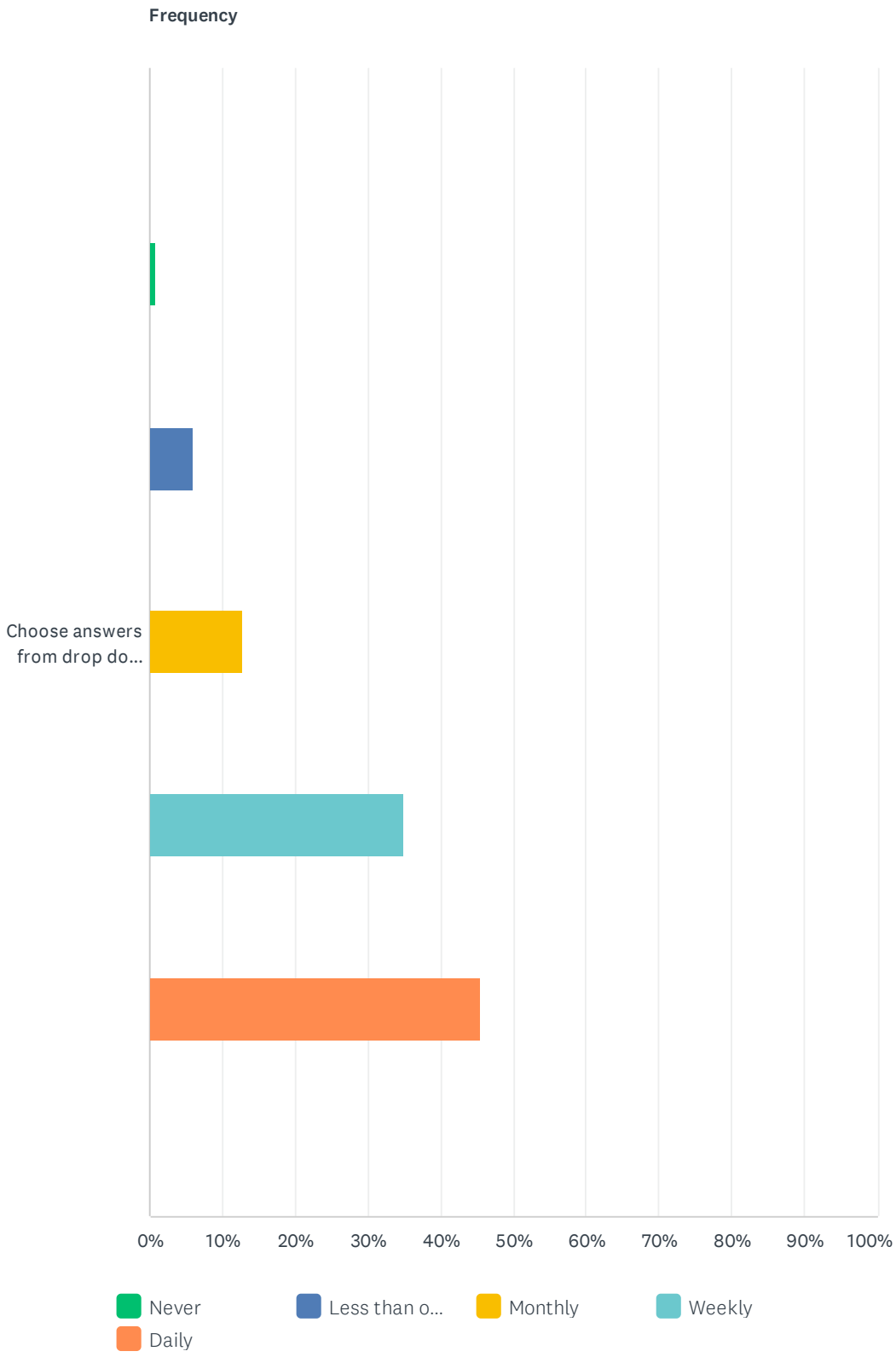

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.40%<br>1 | 1.59%<br>4 | 16.73%<br>42 | 81.27%<br>204 | 251 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.82%<br>2 | 26.34%<br>64 | 72.84%<br>177 | 243 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 11.81%<br>28 | 16.46%<br>39 | 34.60%<br>82 | 37.13%<br>88 | <br>237 |

# Q108 3.1.5.18 Neuromotor development and sensory integration (e.g., assessment of appropriate development, dexterity, coordination, and integration of the somatosensory system).

Answered: 251 Skipped: 959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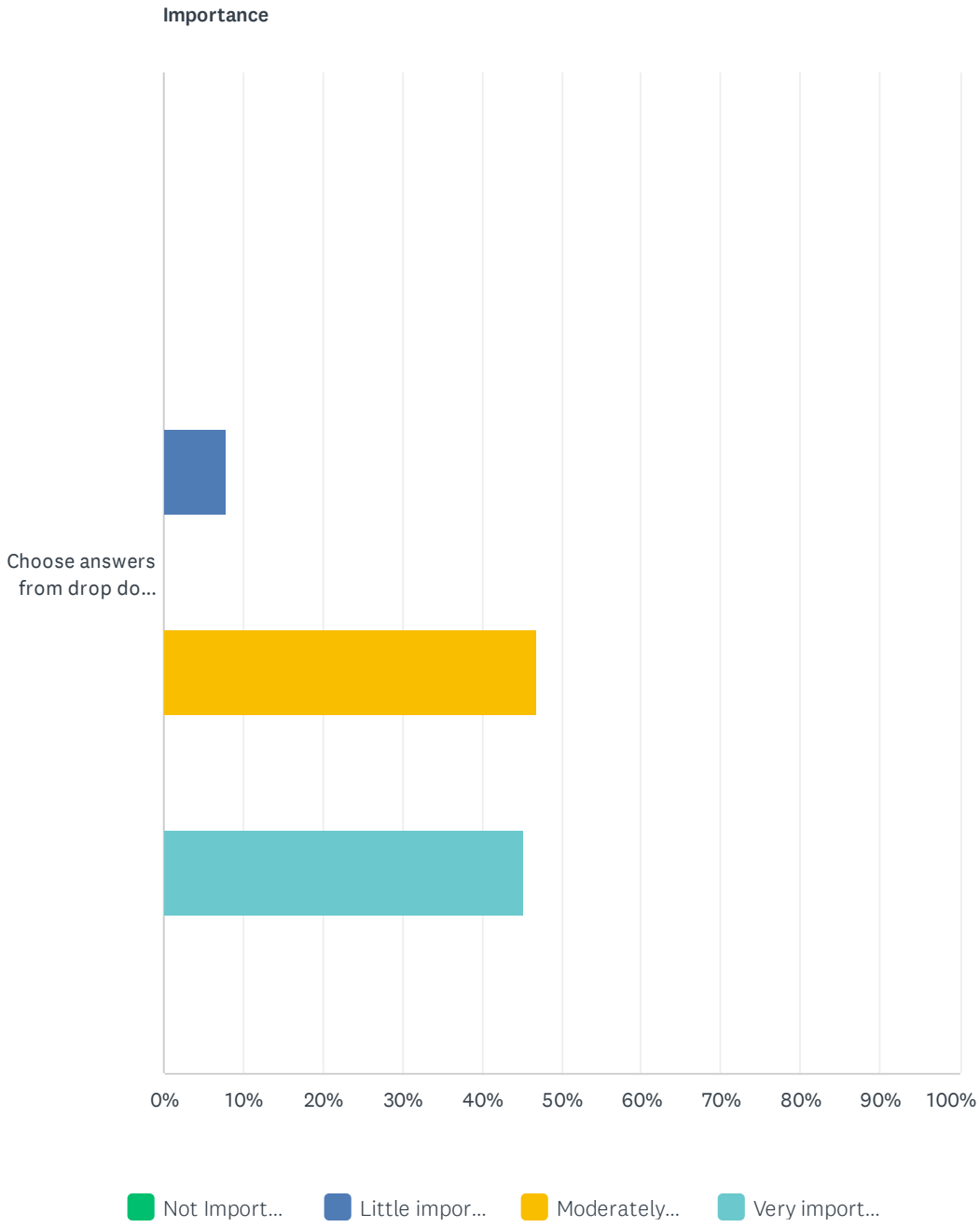
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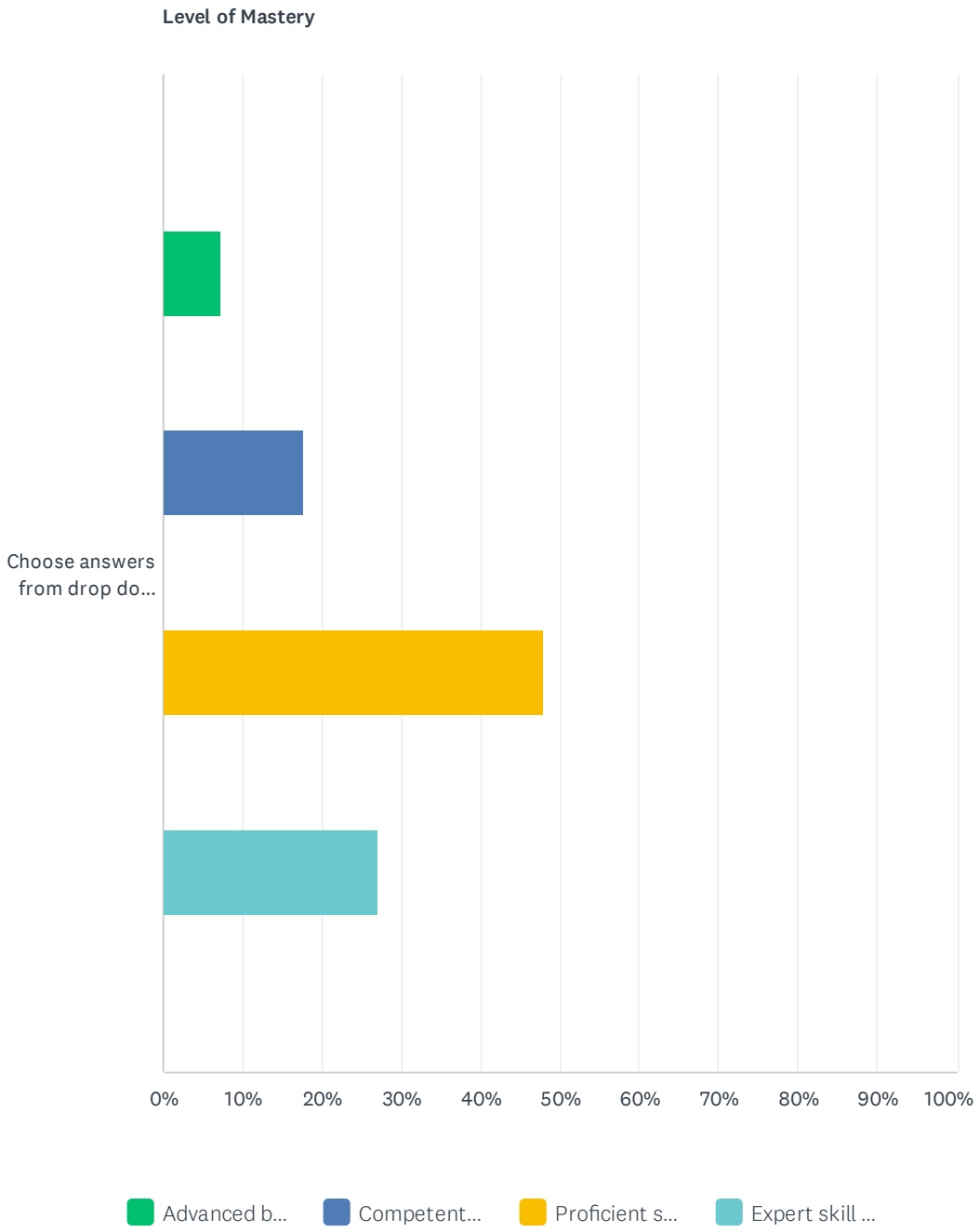


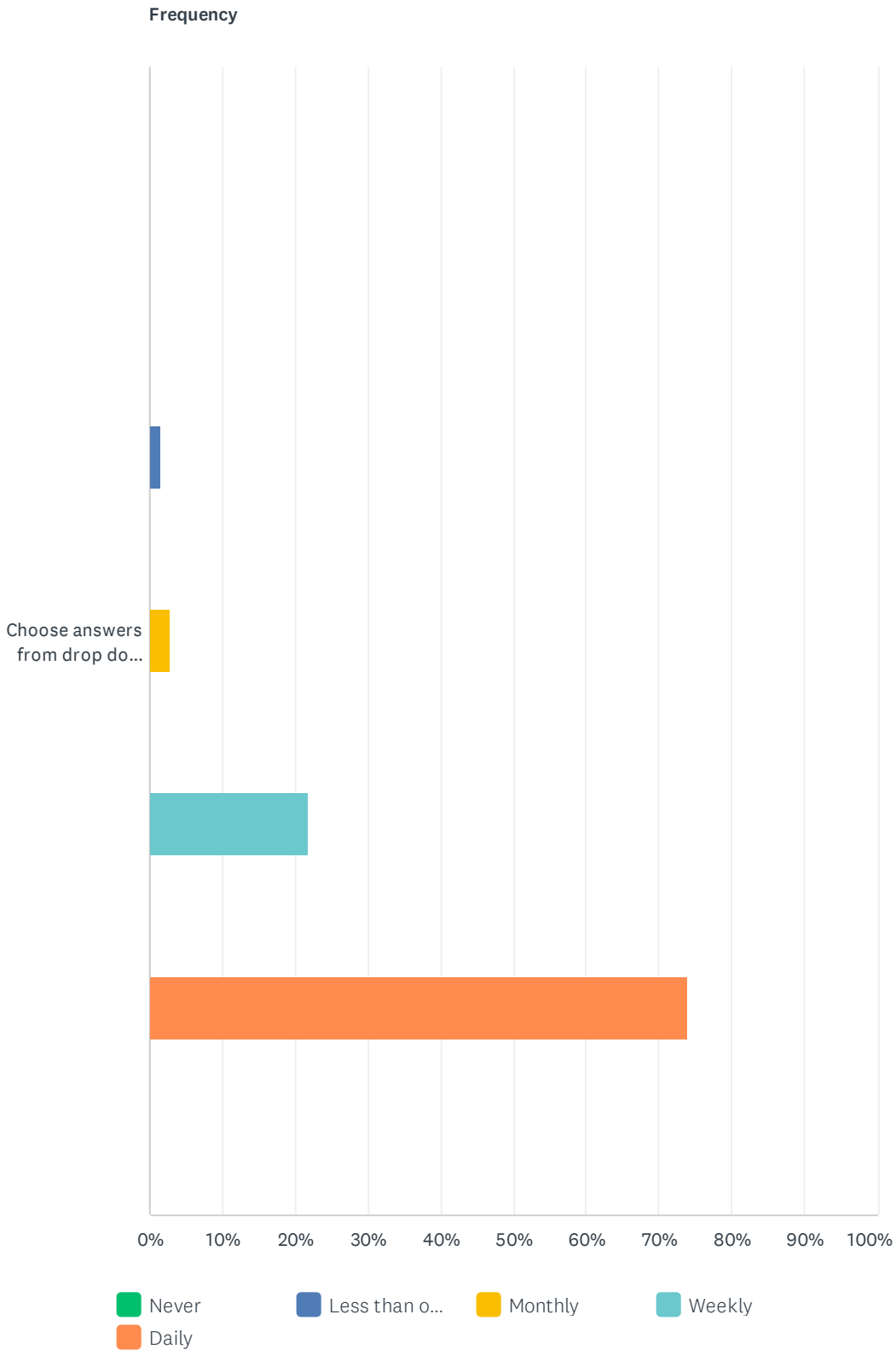

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.80%<br>2 | 5.98%<br>15 | 12.75%<br>32 | 35.06%<br>88 | 45.42%<br>114 | 251 |

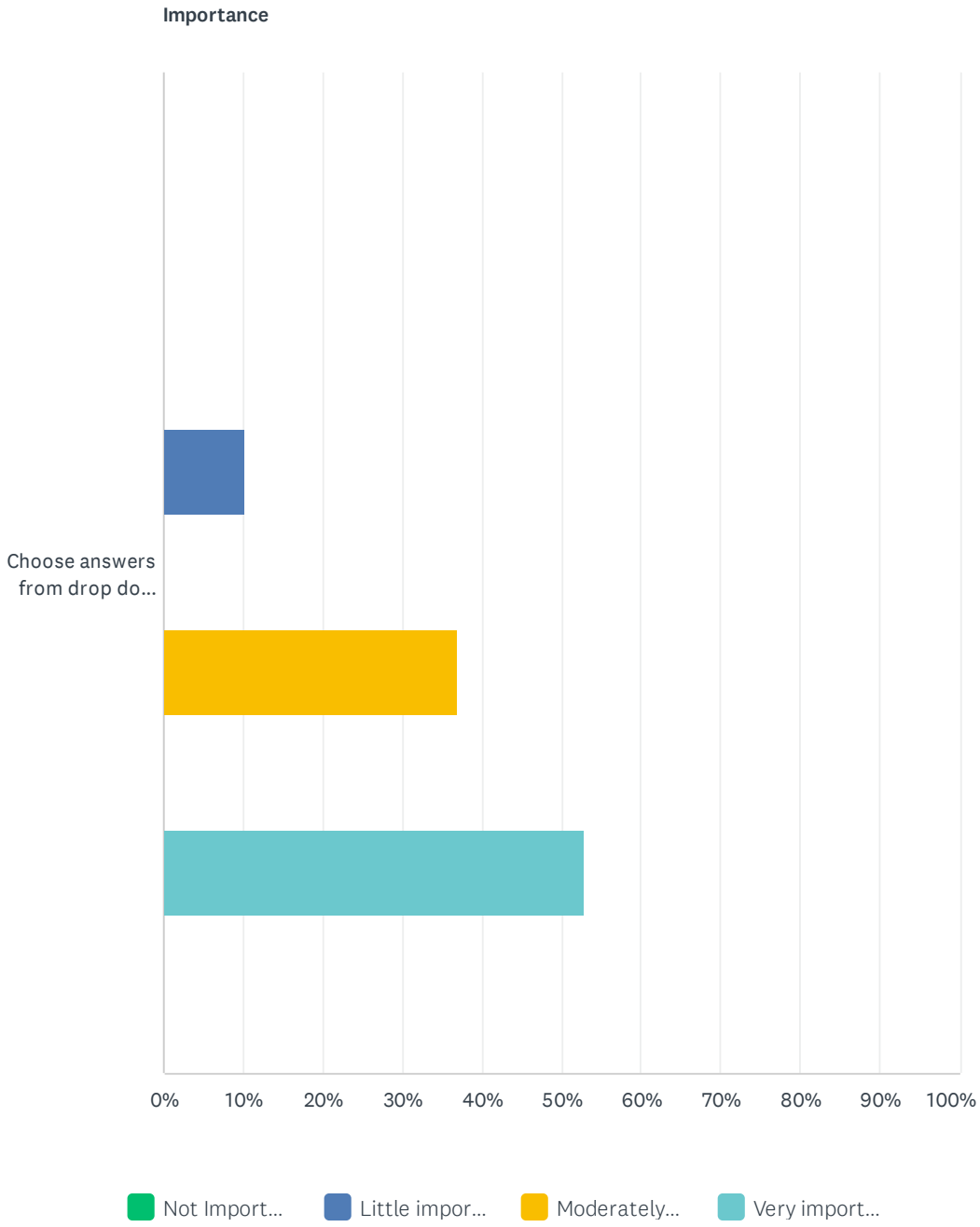
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 7.82%<br>19 | 46.91%<br>114 | 45.27%<br>110 | 243 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 7.20%<br>17 | 17.80%<br>42 | 47.88%<br>113 | 27.12%<br>64 | <br>236 |

# Q109 3.1.5.19 Posture (e.g., assessment of body or body segment(s) structure, alignment, changes in different positions, body contours).

Answered: 253 Skipped: 957

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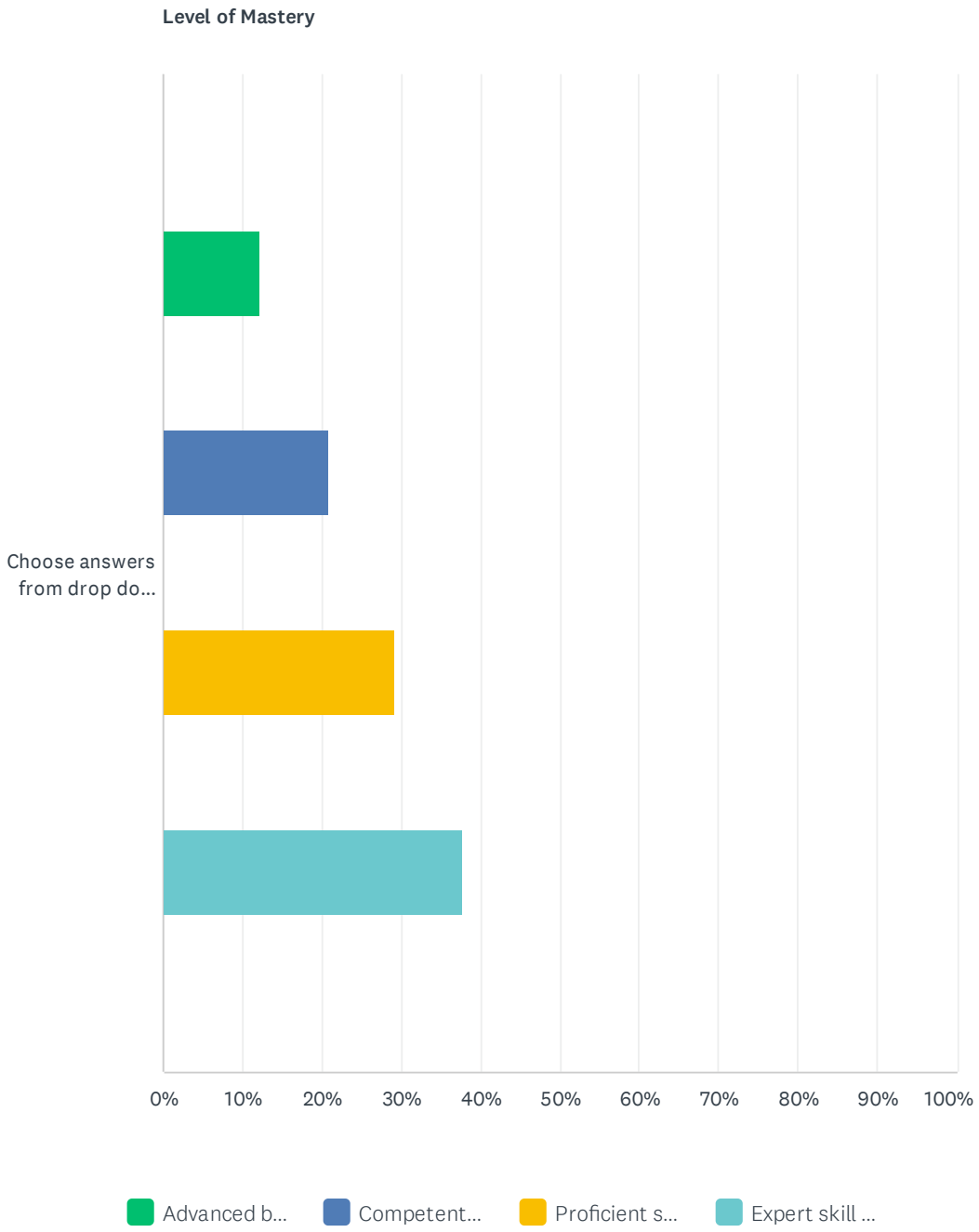


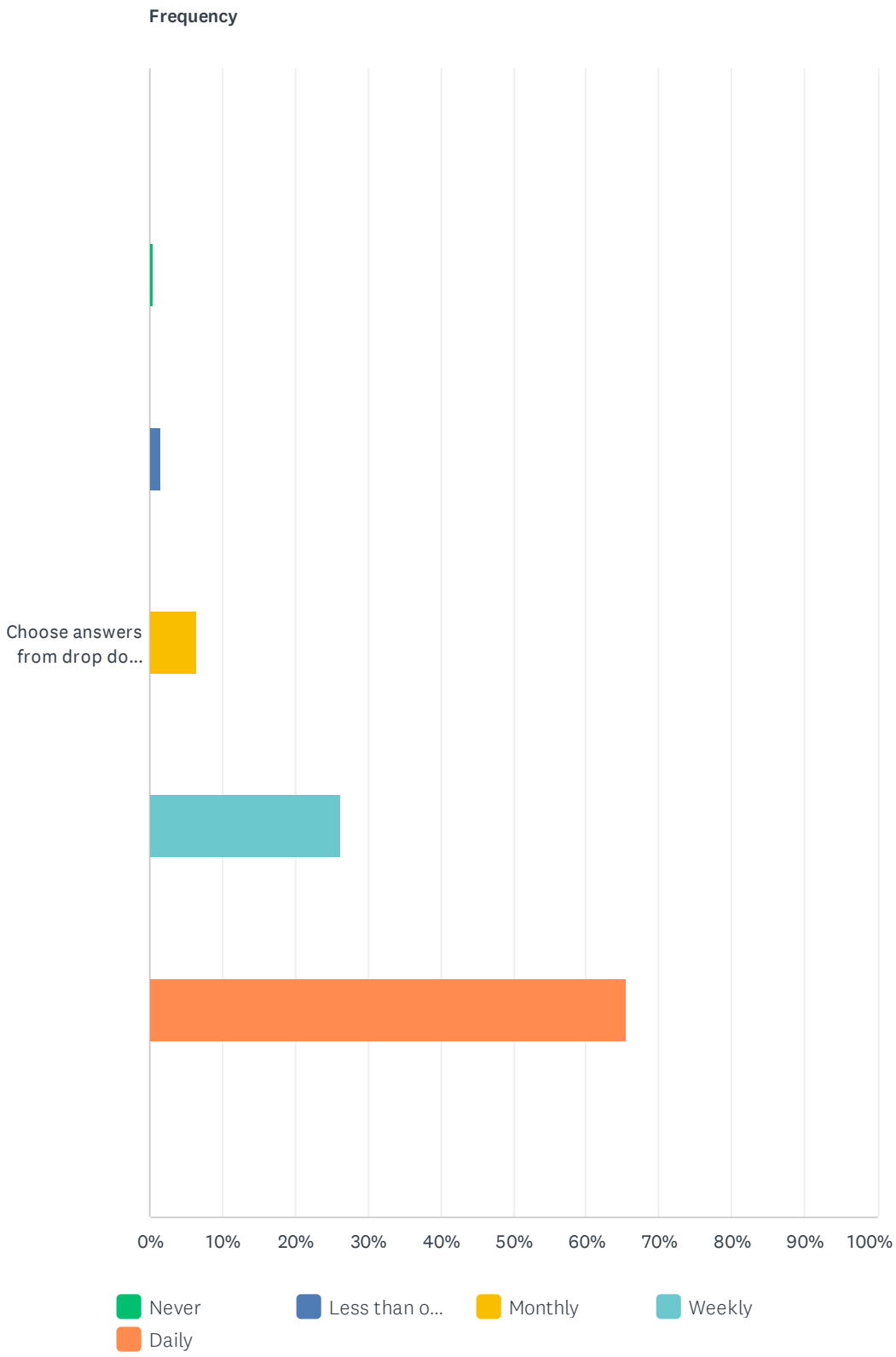

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.58%<br>4 | 2.77%<br>7 | 21.74%<br>55 | 73.91%<br>187 | 253 |

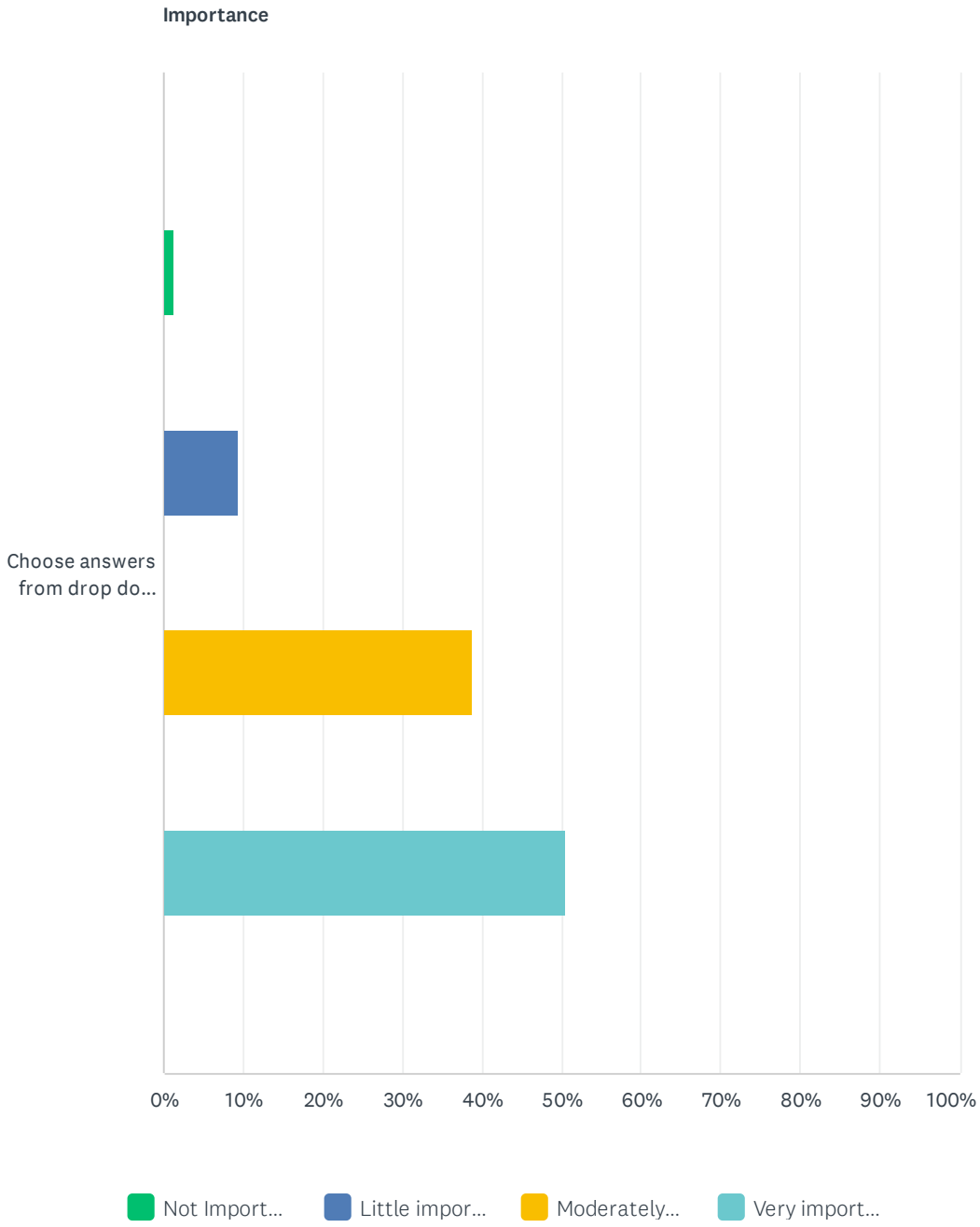
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 10.16%<br>25 | 36.99%<br>91 | 52.85%<br>130 | 246 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 12.13%<br>29 | 20.92%<br>50 | 29.29%<br>70 | 37.66%<br>90 | 239 |

# Q110 3.1.5.20 Tissue-specific diagnostic tests (i.e., special tests).

Answered: 252 Skipped: 958

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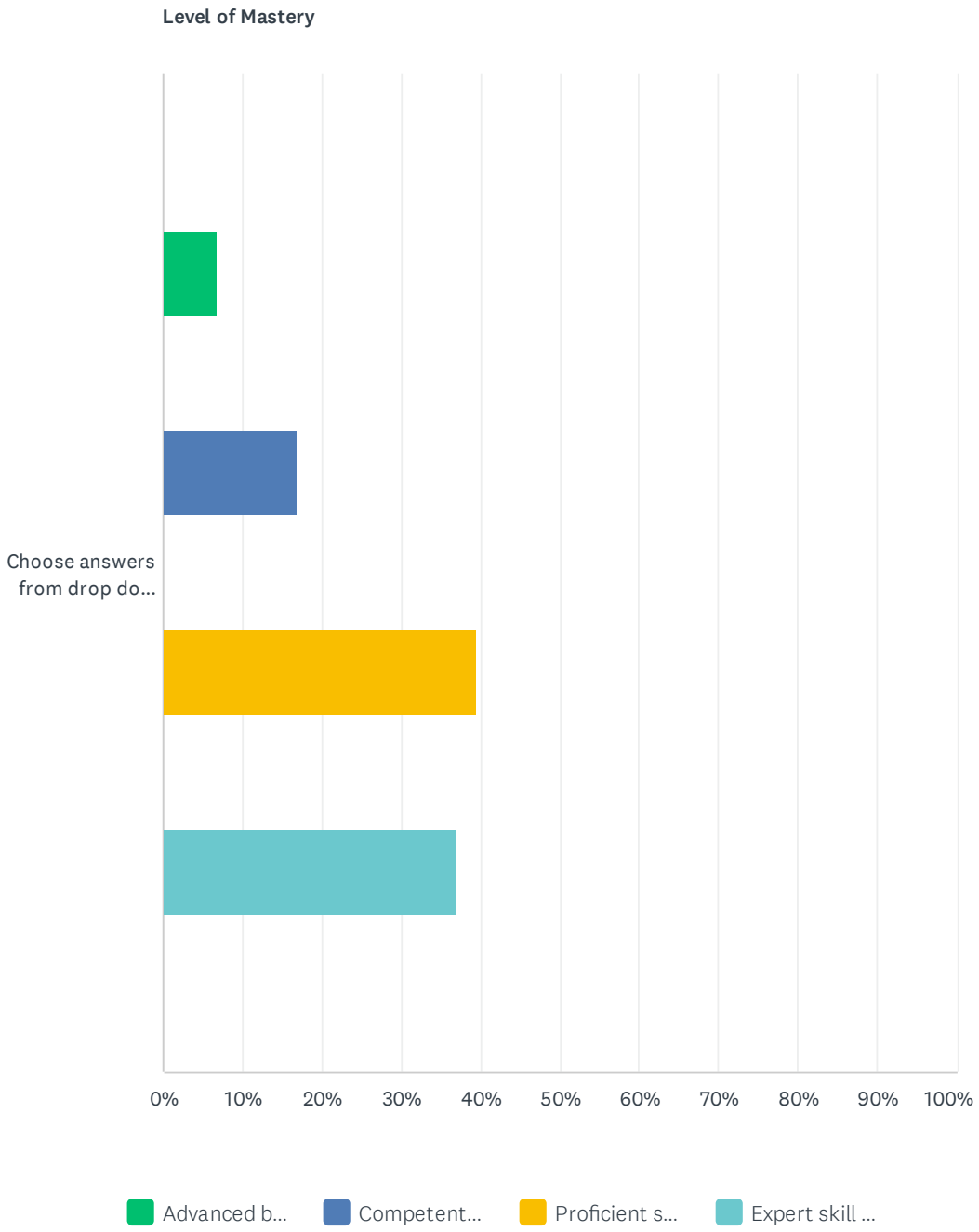


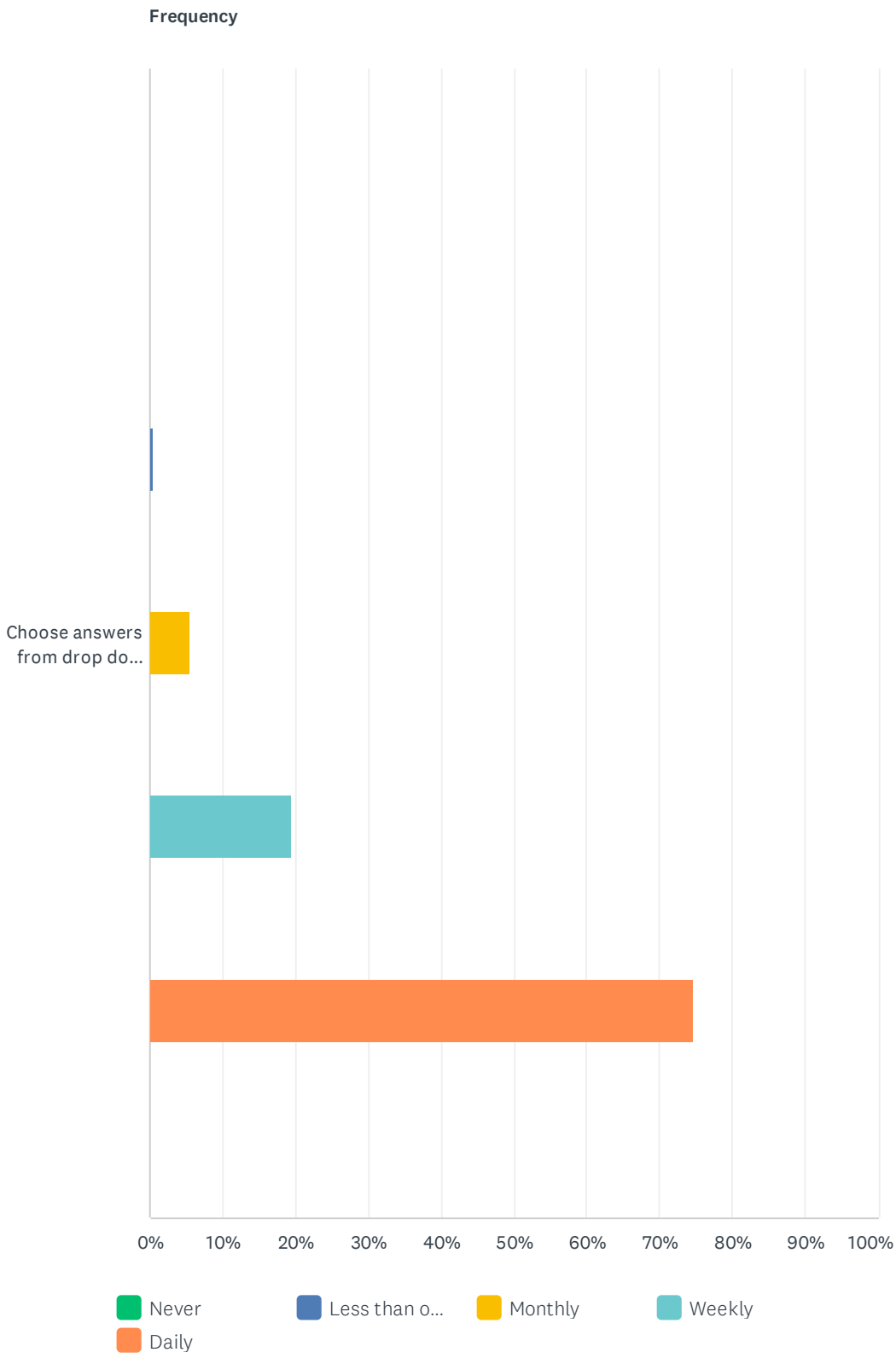

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.40%<br>1 | 1.59%<br>4 | 6.35%<br>16 | 26.19%<br>66 | 65.48%<br>165 | 252 |

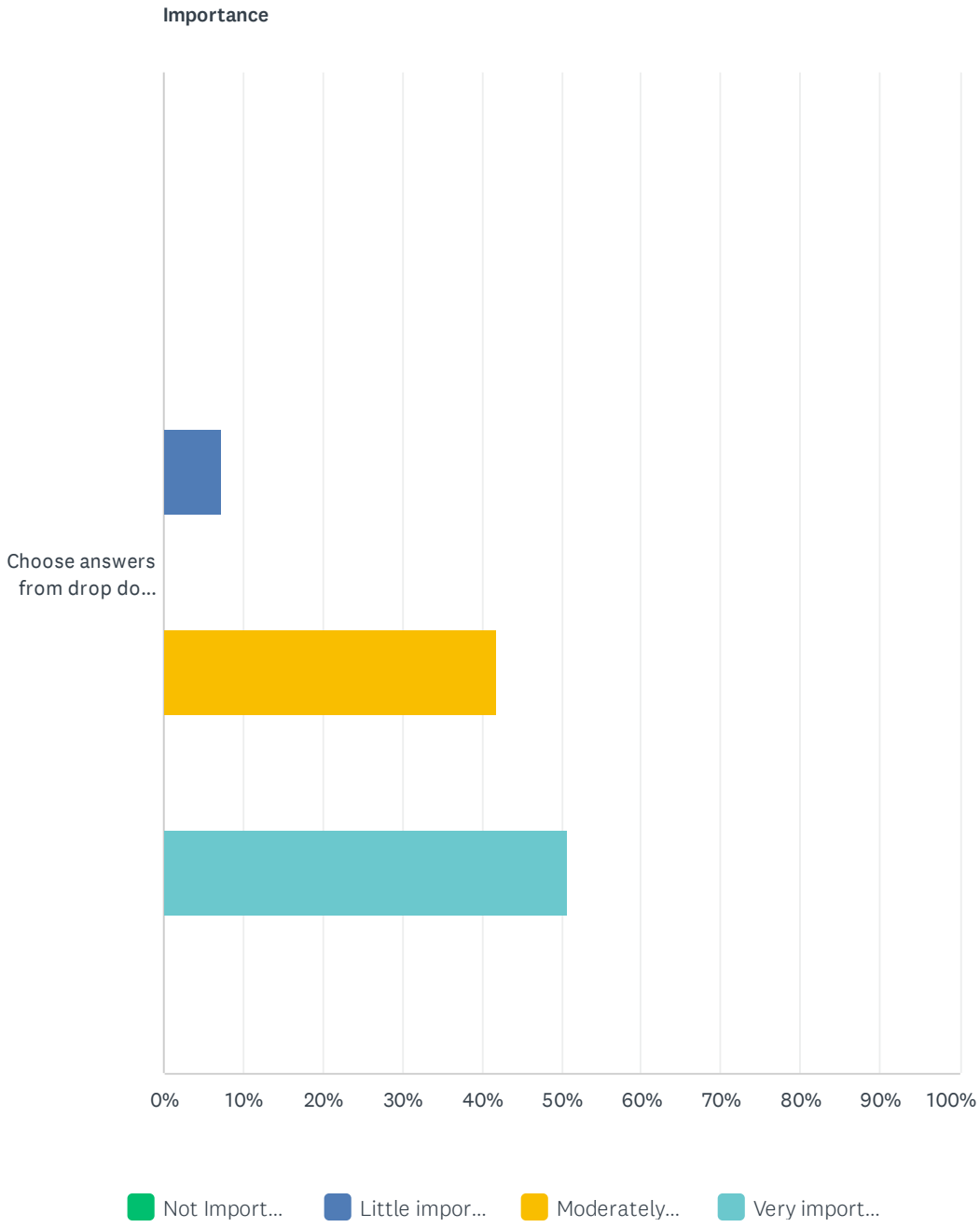
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.22%<br>3 | 9.39%<br>23 | 38.78%<br>95 | 50.61%<br>124 | 245 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 6.72%<br>16 | 16.81%<br>40 | 39.50%<br>94 | 36.97%<br>88 | <br>238 |

# Q111 3.1.5.21 Flexibility (e.g., length, stiffness).

Answered: 253 Skipped: 957

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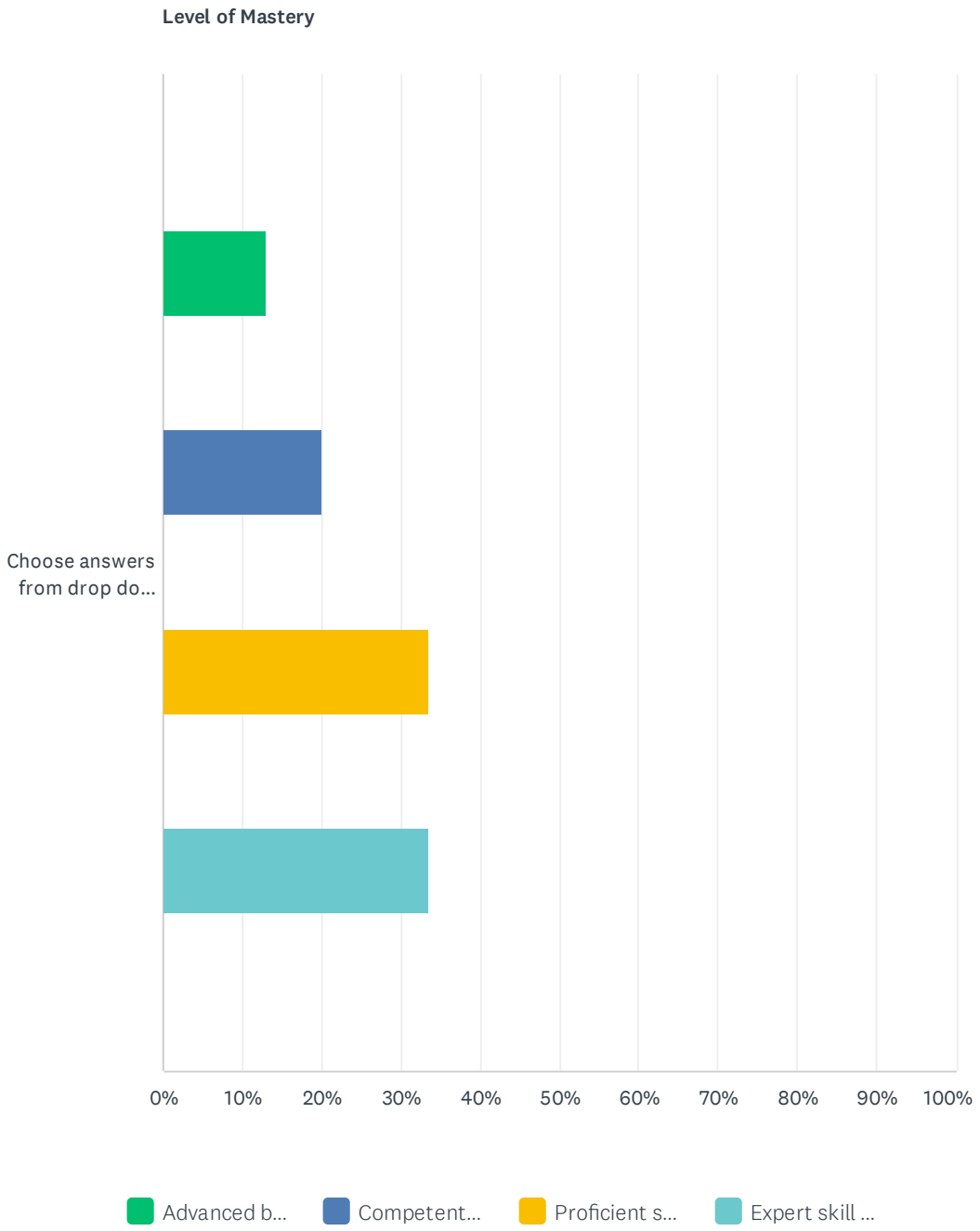


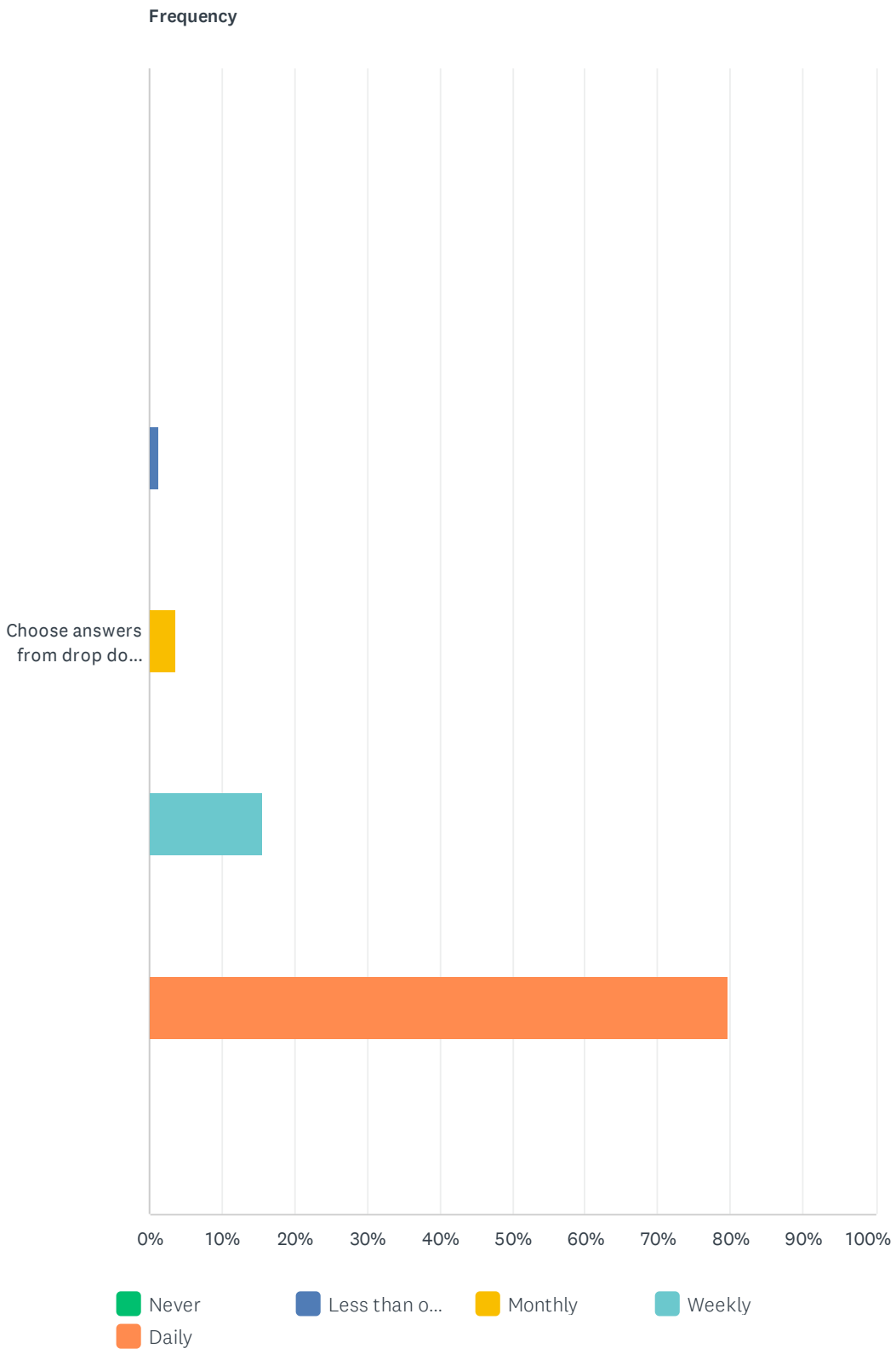

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.40%<br>1 | 5.53%<br>14 | 19.37%<br>49 | 74.70%<br>189 | 253 |

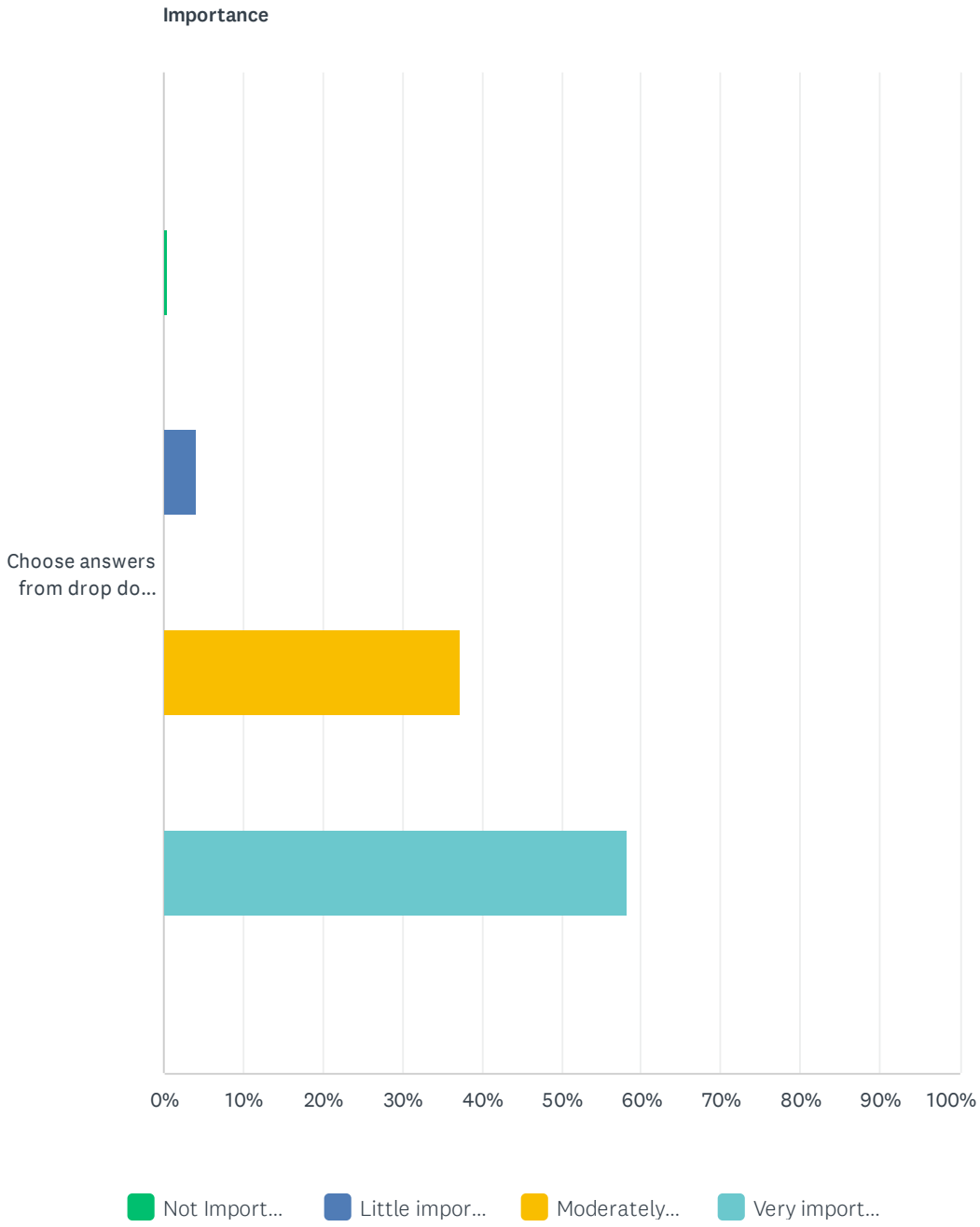
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 7.32%<br>18 | 41.87%<br>103 | 50.81%<br>125 | 246 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 12.97%<br>31 | 20.08%<br>48 | 33.47%<br>80 | 33.47%<br>80 | <br>239 |

# Q112 3.1.5.22 Soft tissue quality (e.g., mobility, provocation).

Answered: 251 Skipped: 959

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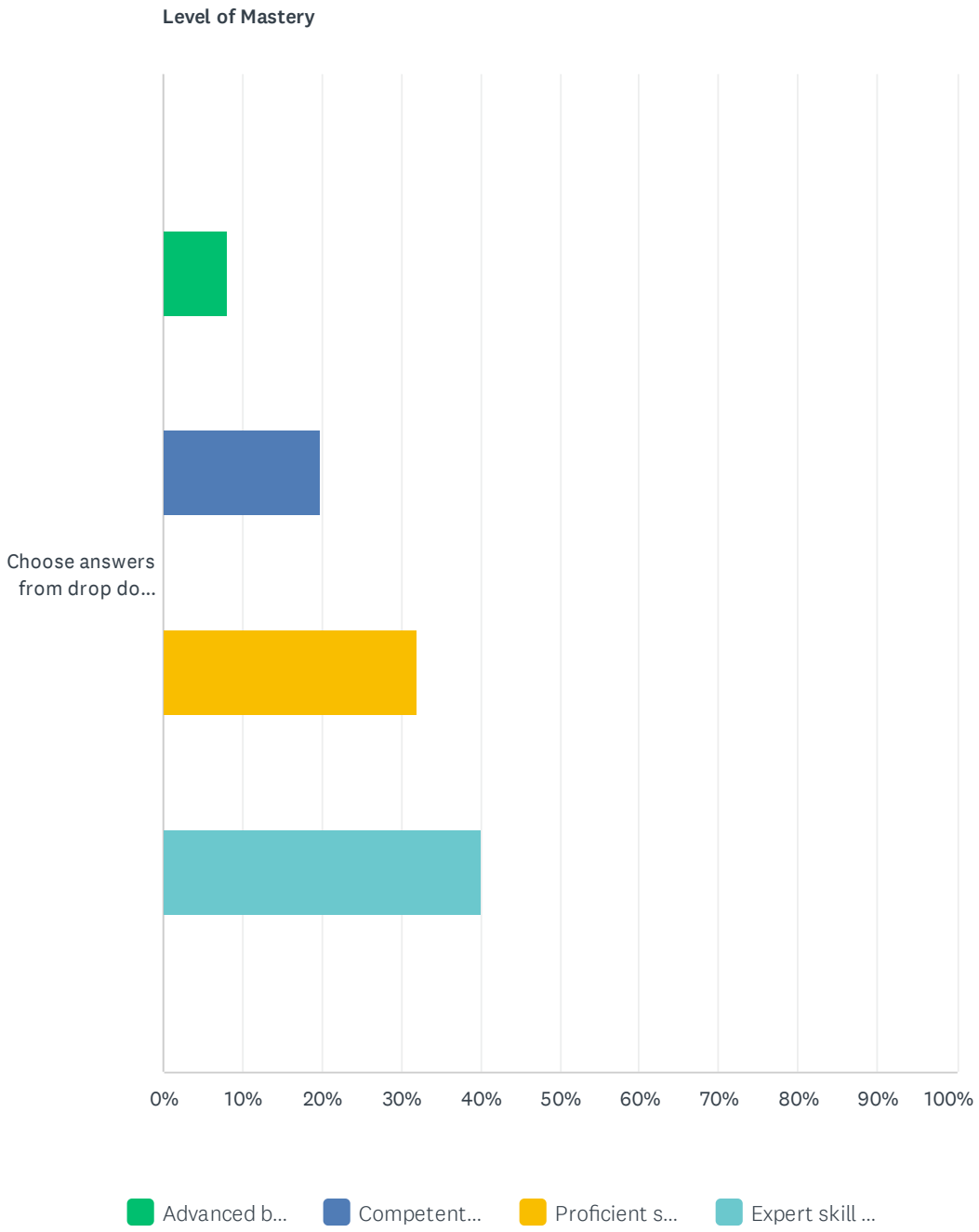


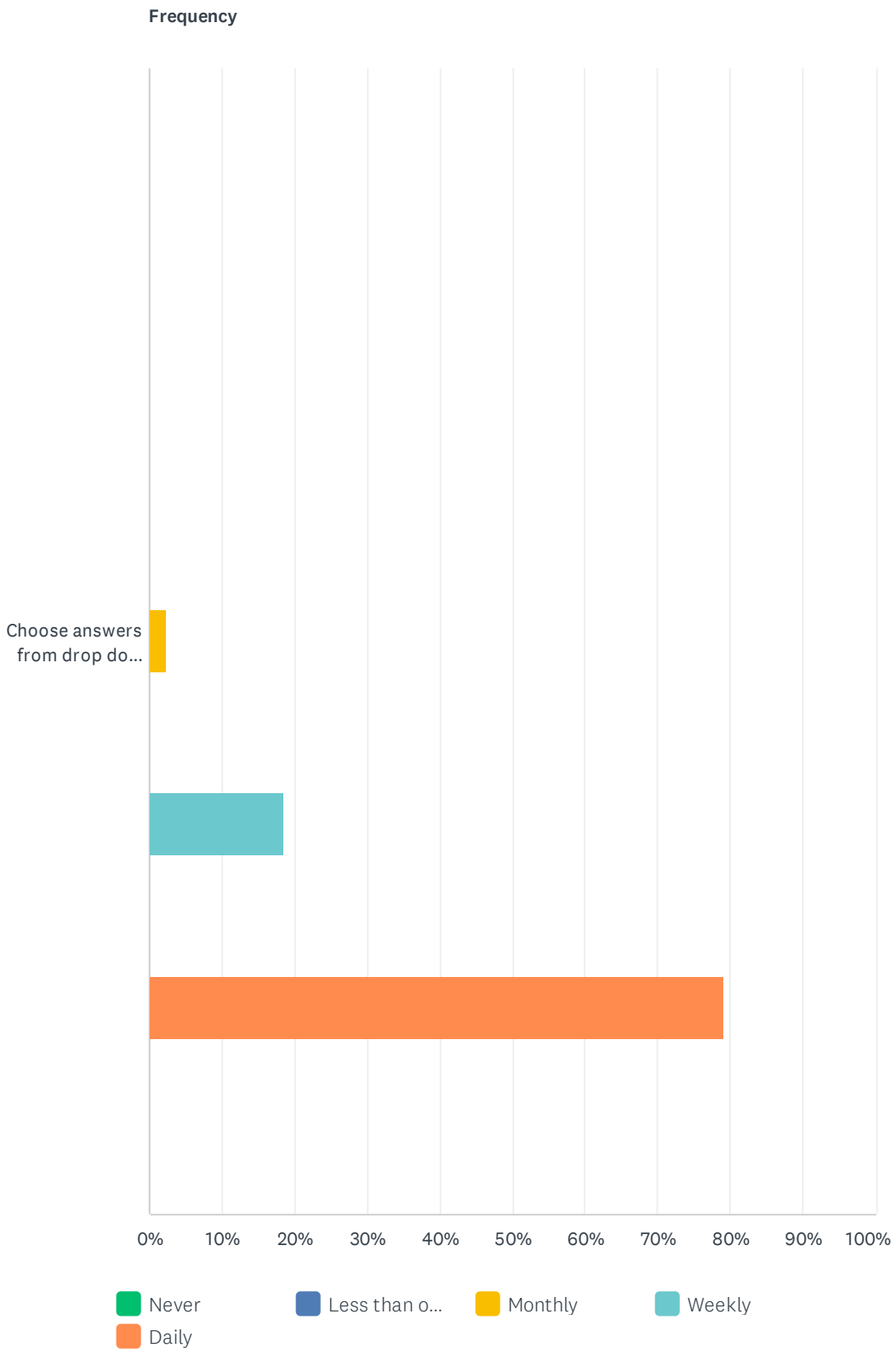

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.20%<br>3 | 3.59%<br>9 | 15.54%<br>39 | 79.68%<br>200 | 251 |

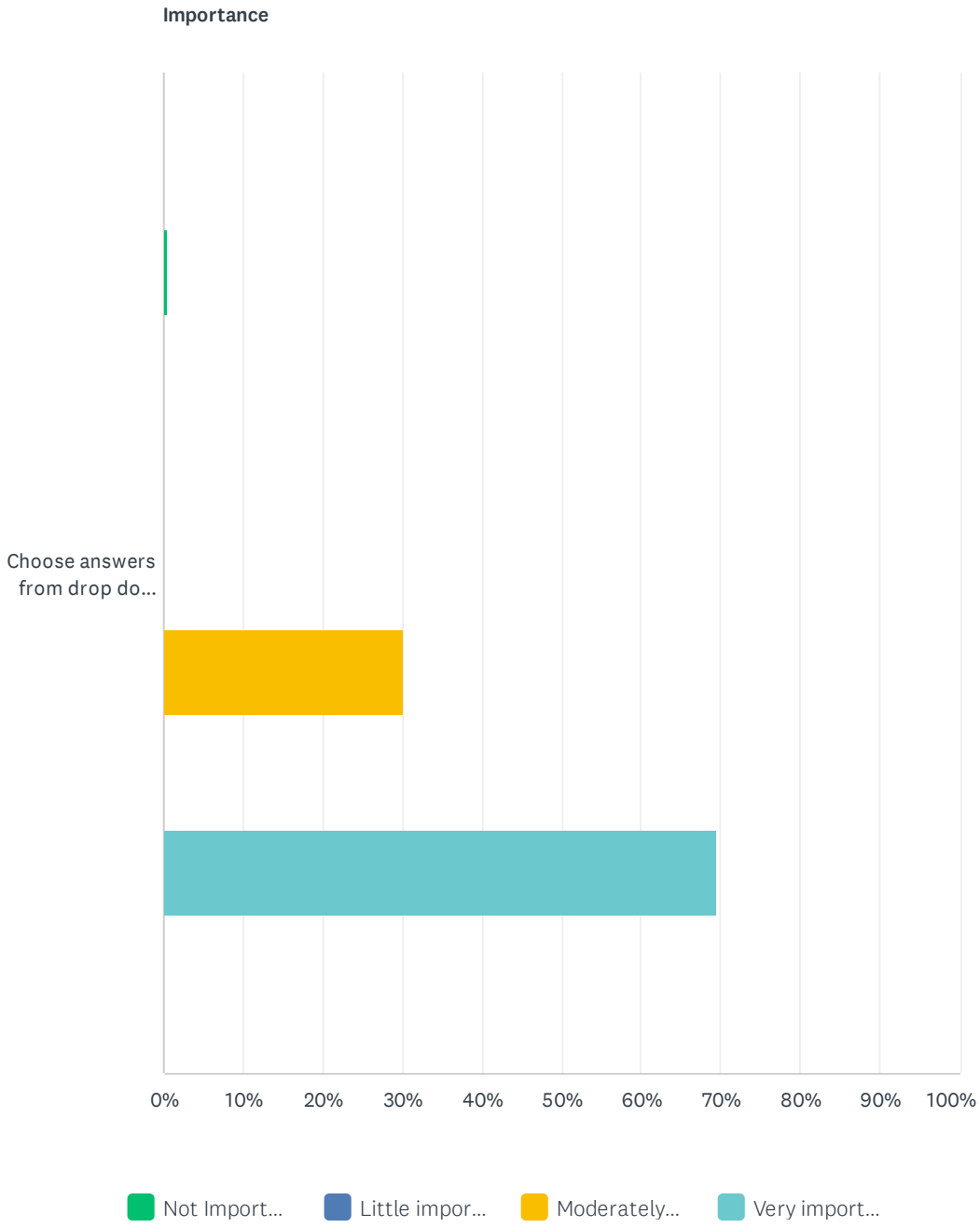
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.41%<br>1 | 4.10%<br>10 | 37.30%<br>91 | 58.20%<br>142 | 244 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 8.02%<br>19 | 19.83%<br>47 | 32.07%<br>76 | 40.08%<br>95 | <br>237 |

# Q113 3.1.5.23 Task-specific activities (e.g., lifting, bending, reaching).

Answered: 253 Skipped: 957

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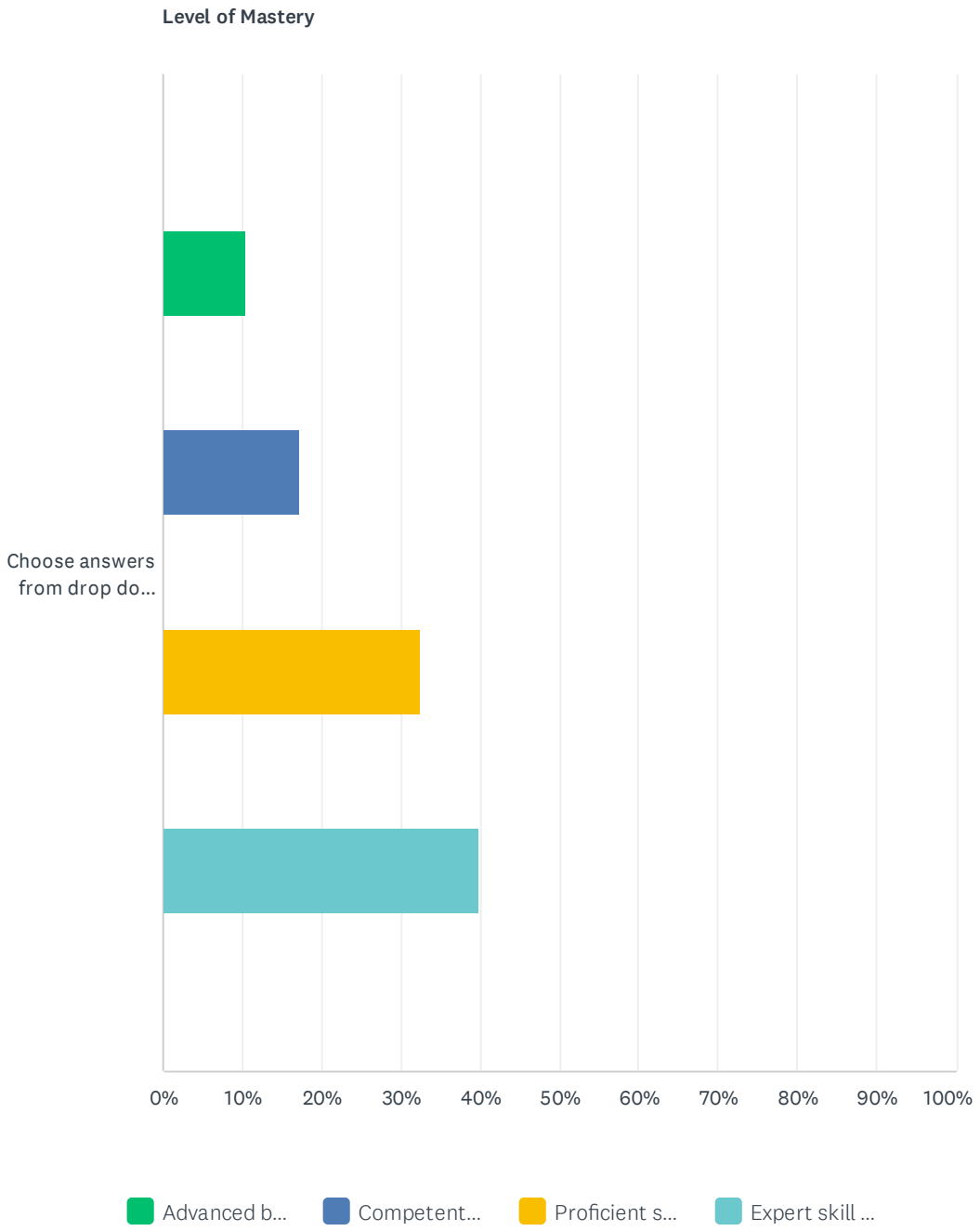


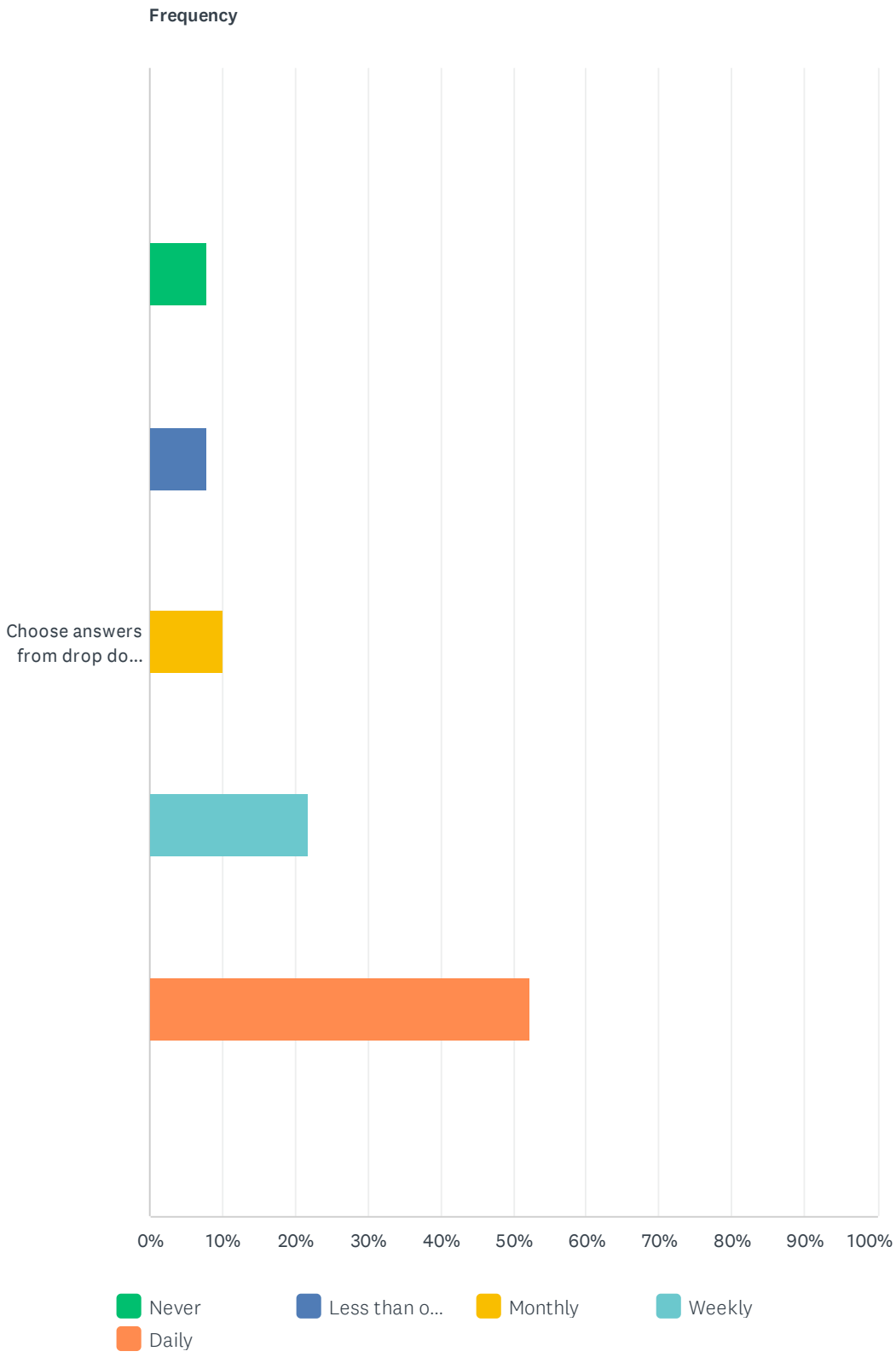

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 2.37%<br>6 | 18.58%<br>47 | 79.05%<br>200 | 253 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.41%<br>1 | 0.00%<br>0 | 30.08%<br>74 | 69.51%<br>171 | 246 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 10.50%<br>25 | 17.23%<br>41 | 32.35%<br>77 | 39.92%<br>95 | <br>238 |

# Q114 3.2.1 Using the International Classification of Functioning, Disability and Health (ICF) model to synthesize data from history, systems review, and physical examination (e.g., identify relevant, consistent, accurate data, prioritize impairments, assess patient's/client's needs, motivations and goals).

Answered: 239 Skipped: 971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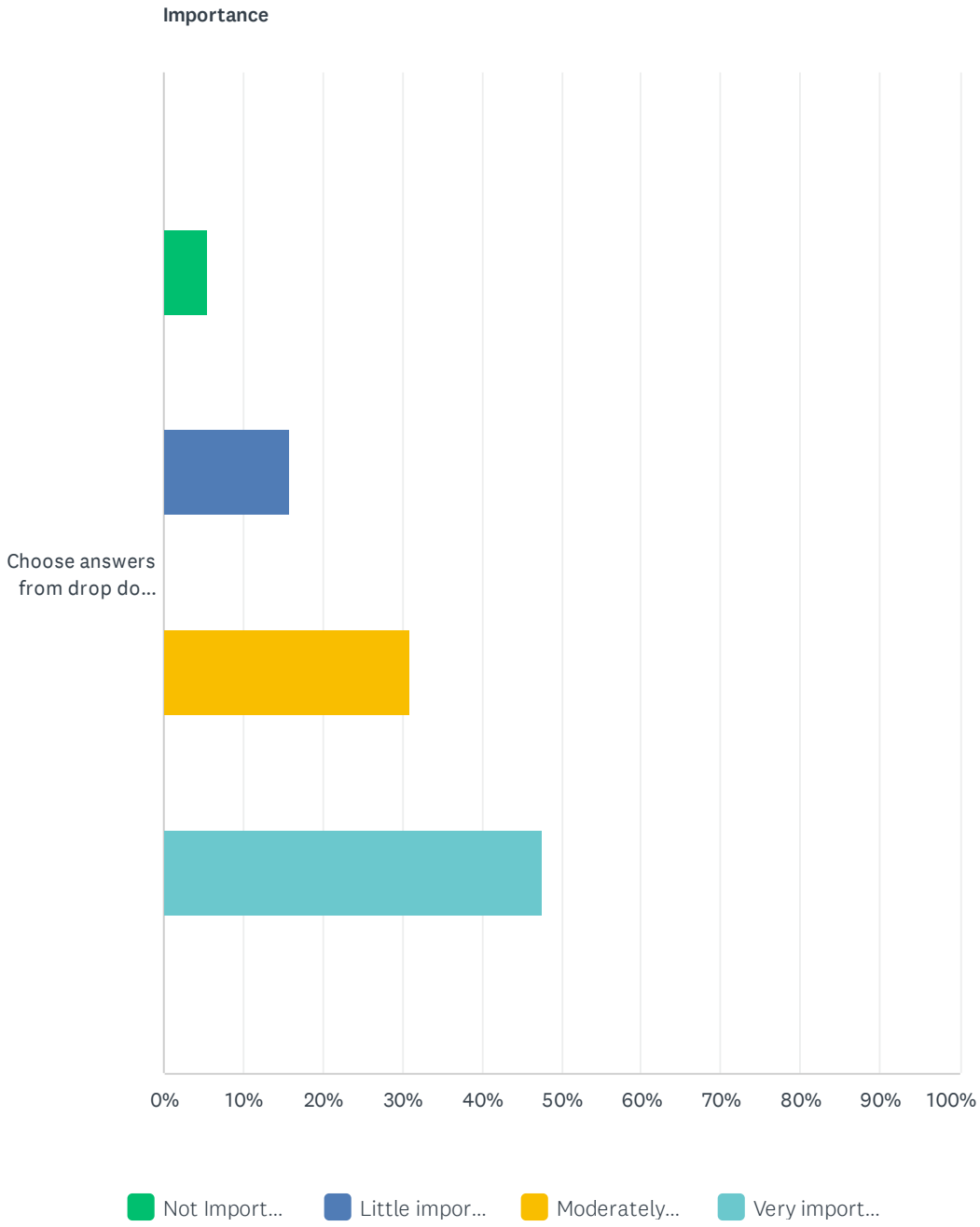
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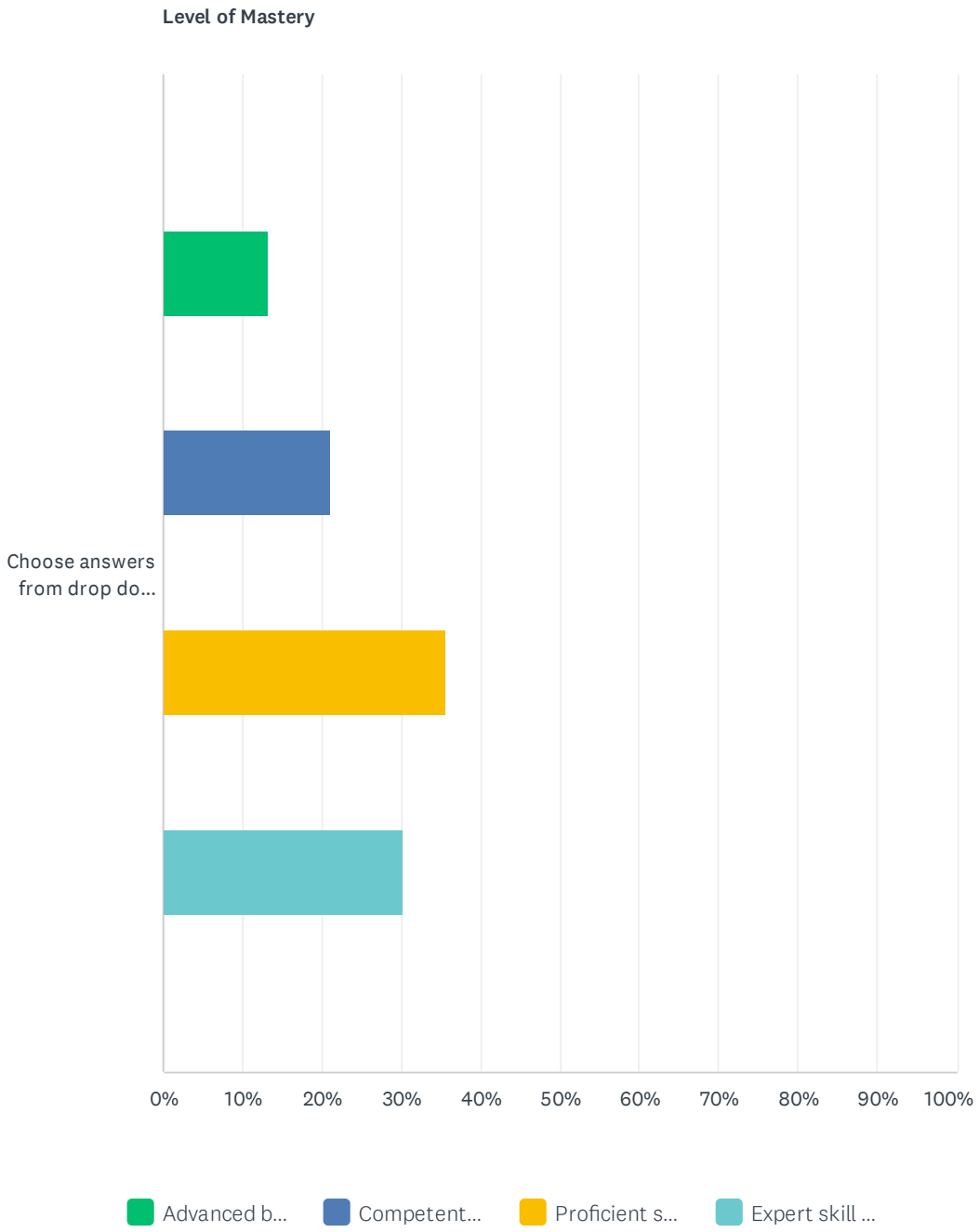


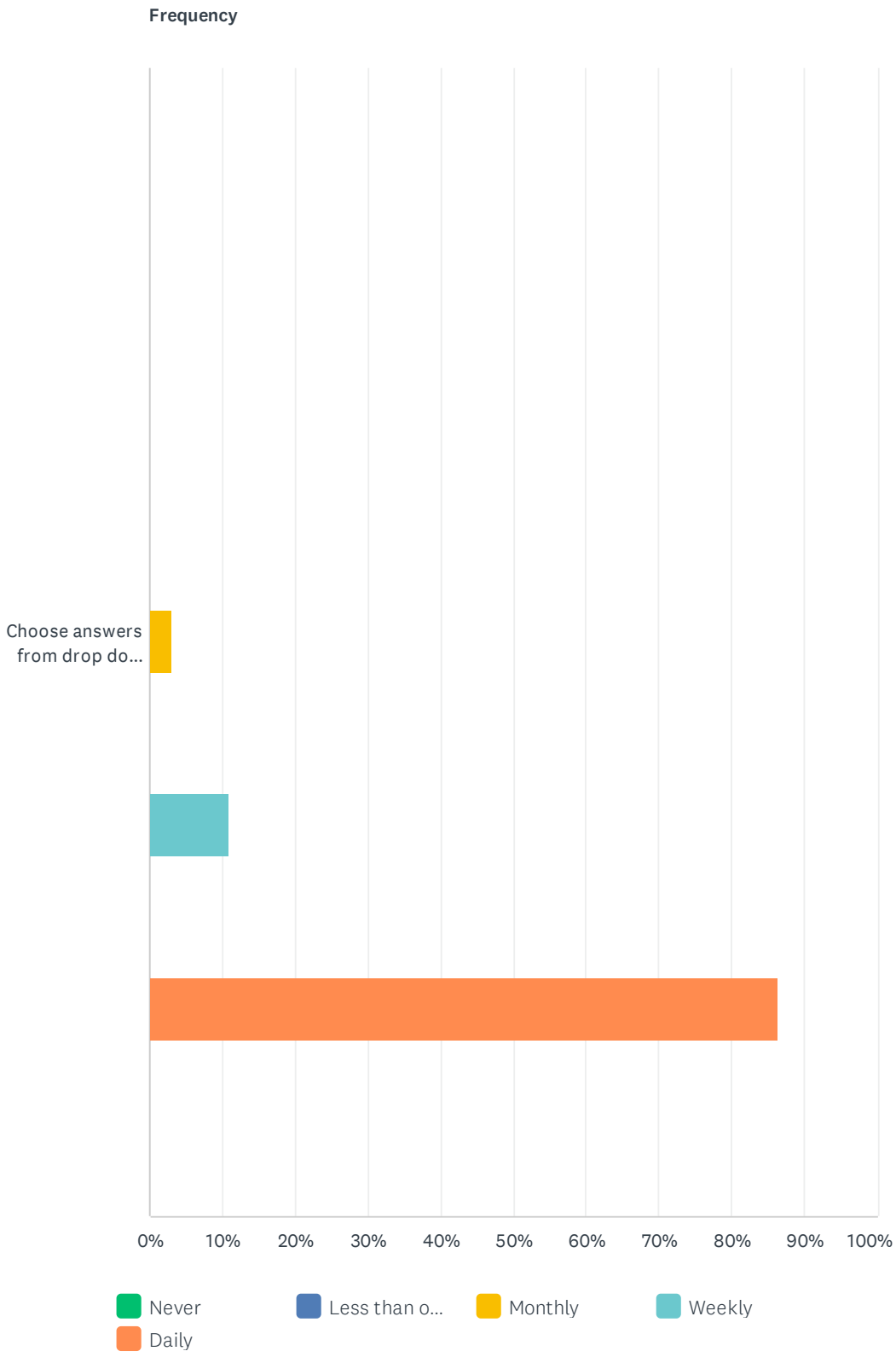

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 7.95%<br>19 | 7.95%<br>19 | 10.04%<br>24 | 21.76%<br>52 | 52.30%<br>125 | 239 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 5.58%<br>13 | 15.88%<br>37 | 30.90%<br>72 | 47.64%<br>111 | 233 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 13.16%<br>30 | 21.05%<br>48 | 35.53%<br>81 | 30.26%<br>69 | 228 |

# Q115 3.2.2 Developing a working diagnosis, including nature of complaint, probable cause, anatomical structures involved, stage of condition, pain mechanisms, psychosocial factors, and possible contraindications for physical therapy intervention.

Answered: 241 Skipped: 969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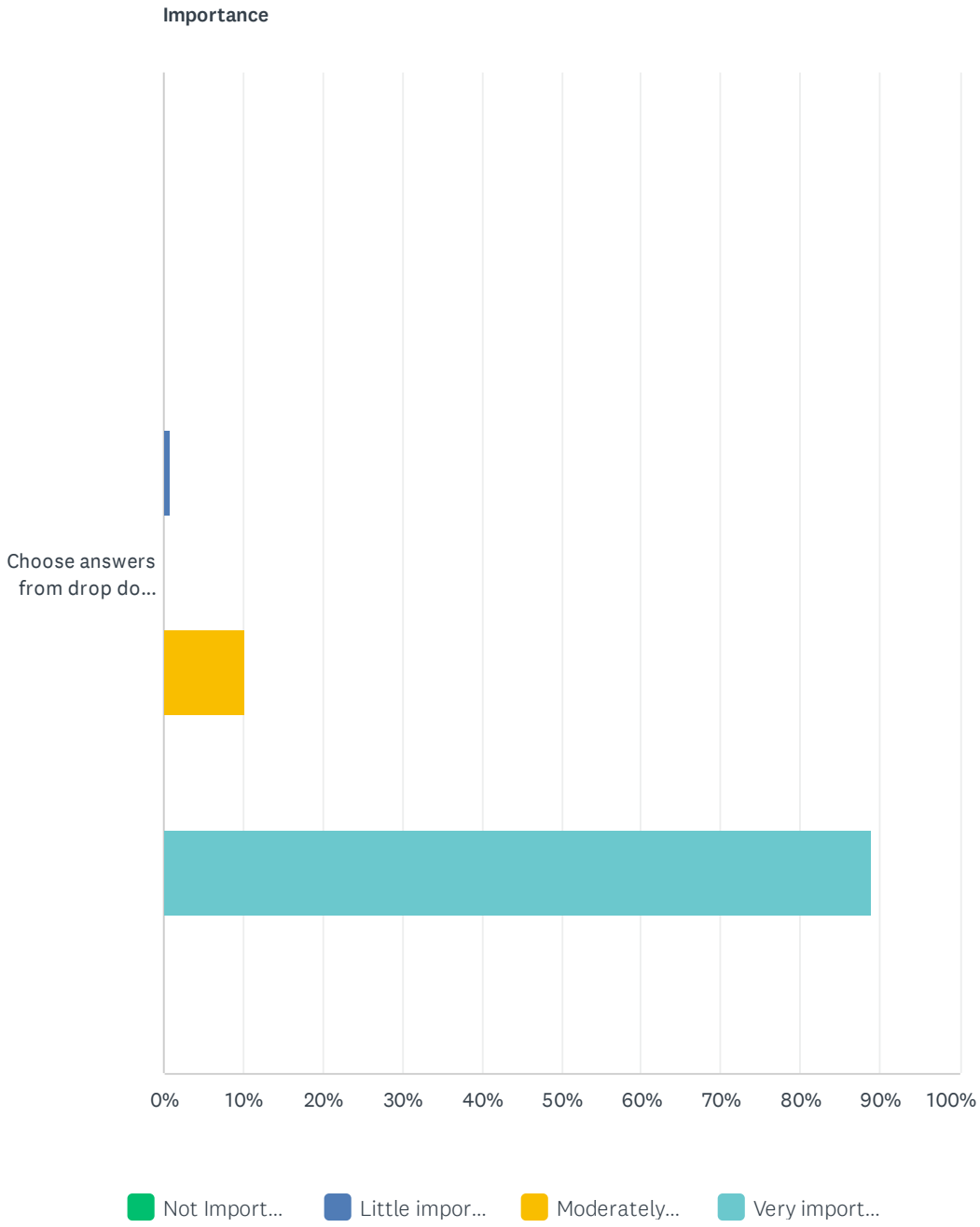
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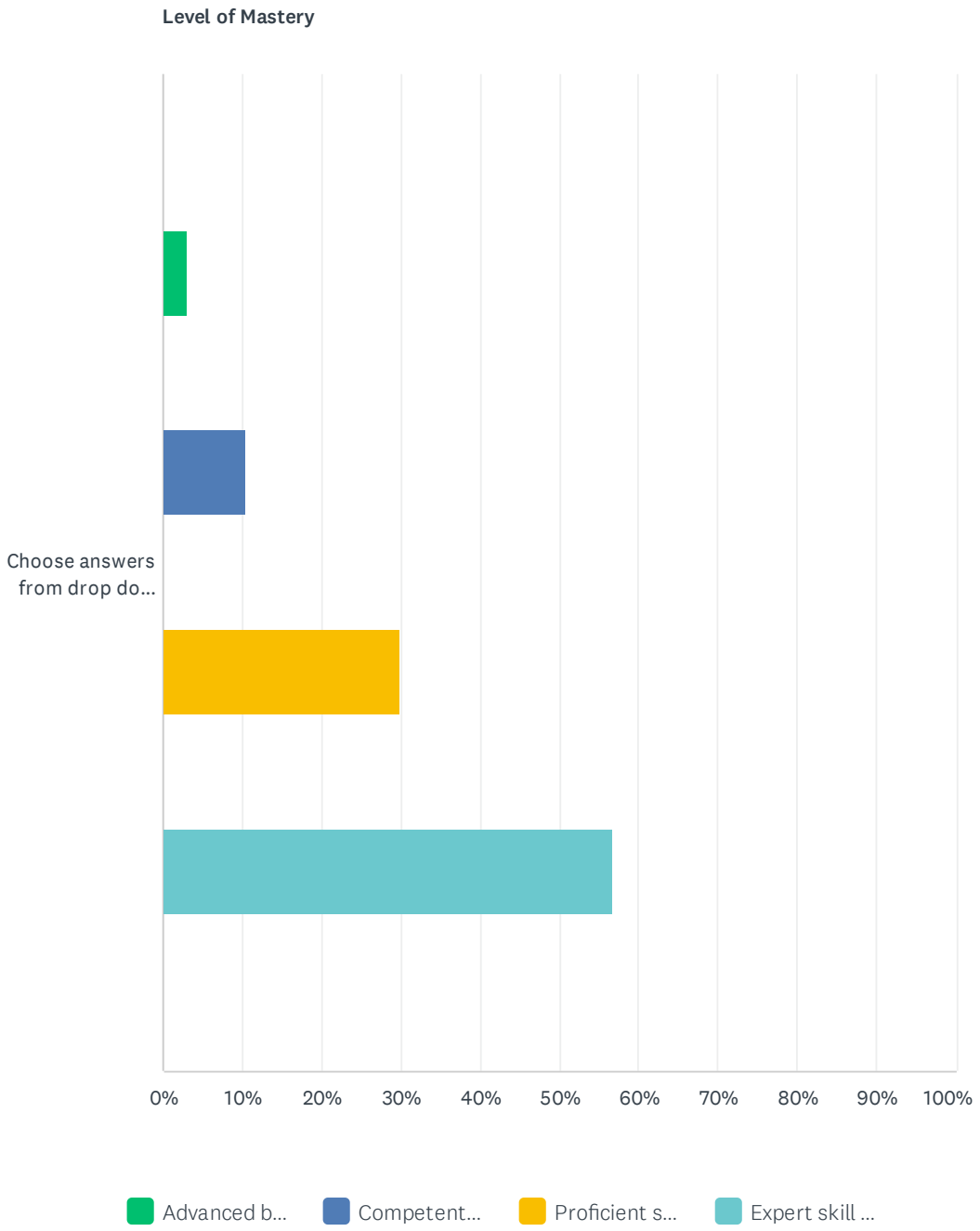


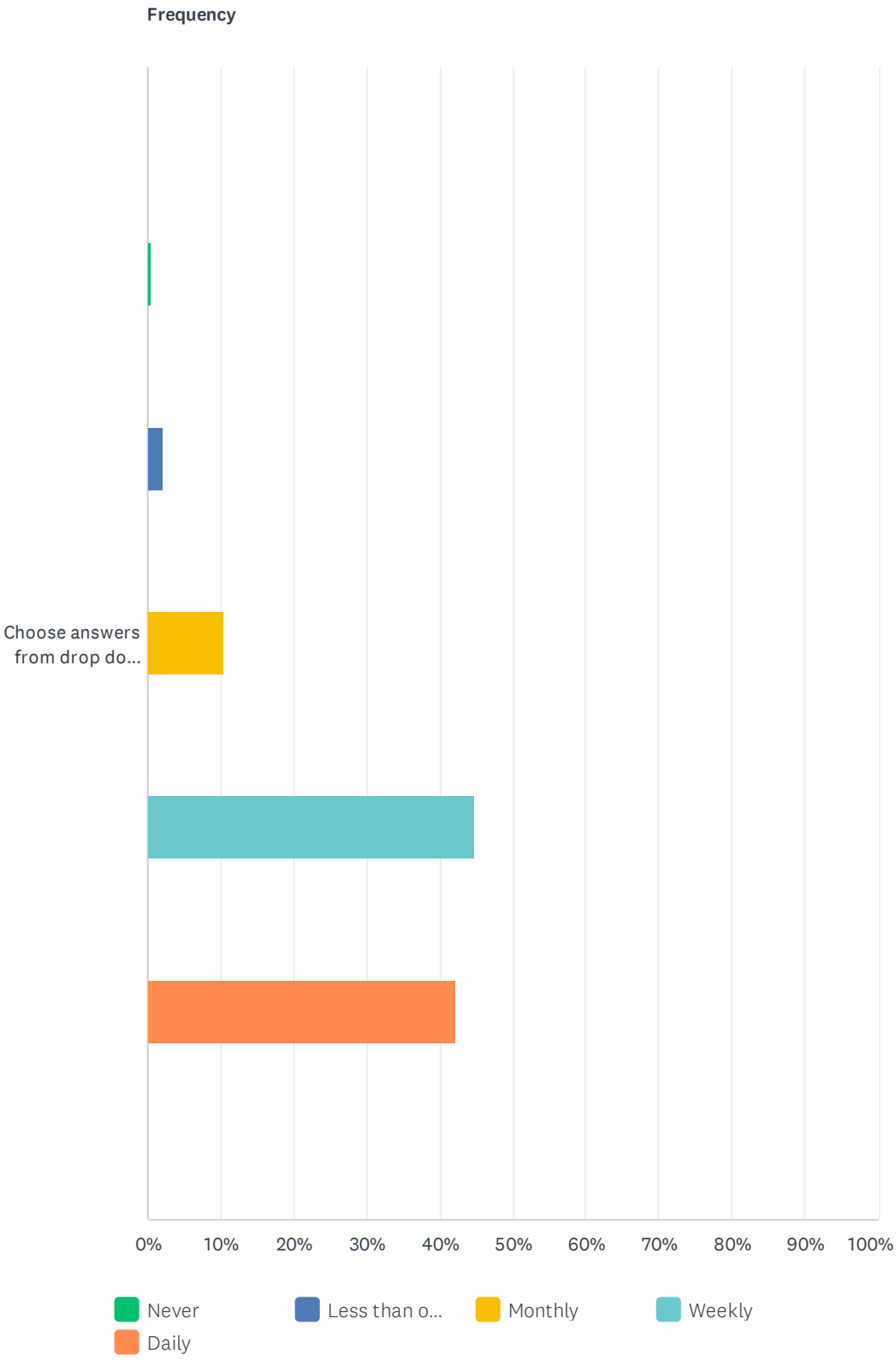

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 2.90%<br>7 | 10.79%<br>26 | 86.31%<br>208 | 241 |

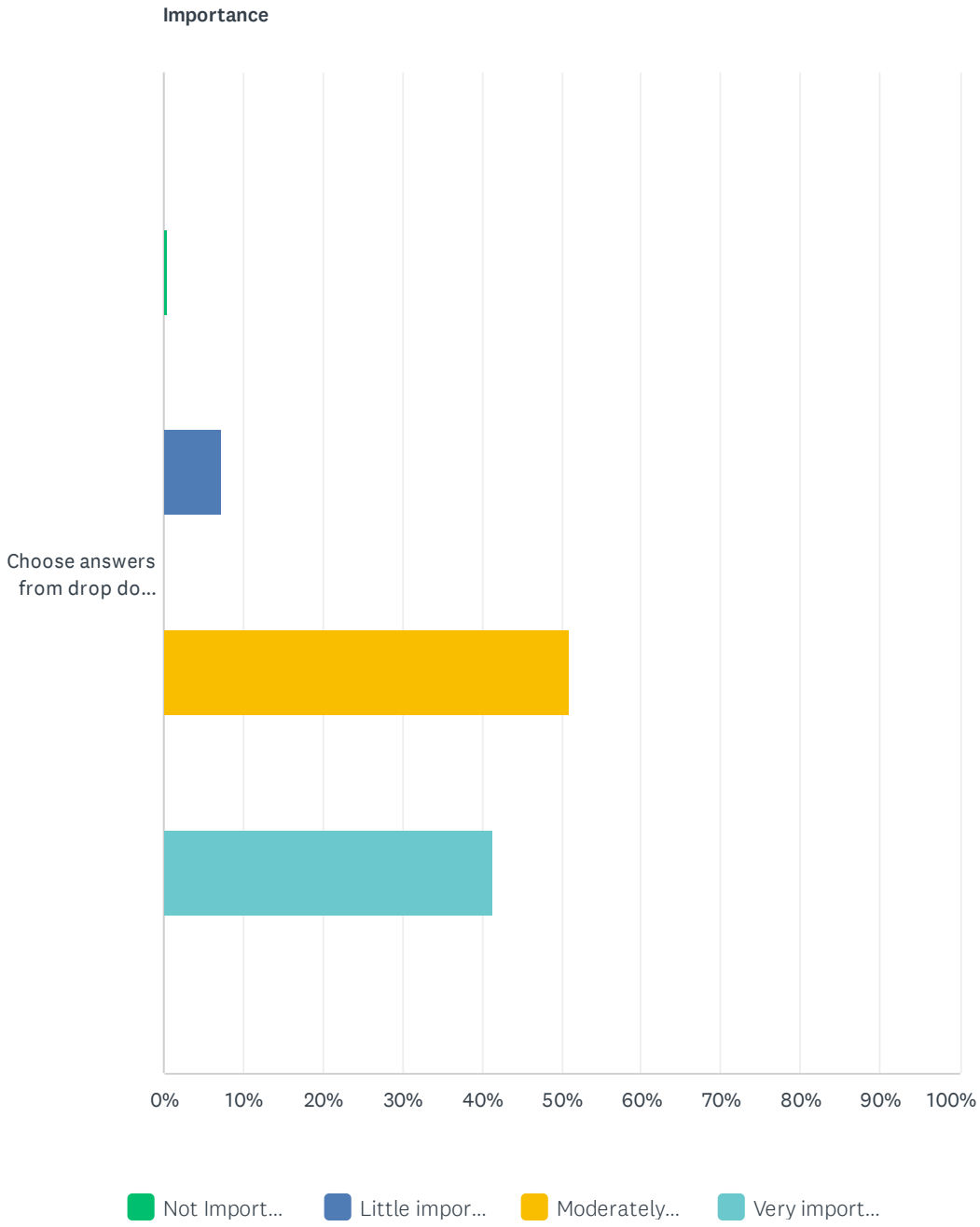
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.85%<br>2 | 10.21%<br>24 | 88.94%<br>209 | 235 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 3.03%<br>7 | 10.39%<br>24 | 29.87%<br>69 | 56.71%<br>131 | <br>231 |

# Q116 3.2.3 Incorporating data from ancillary testing (e.g., imaging, labs, electrophysiological studies).

Answered: 241 Skipped: 969

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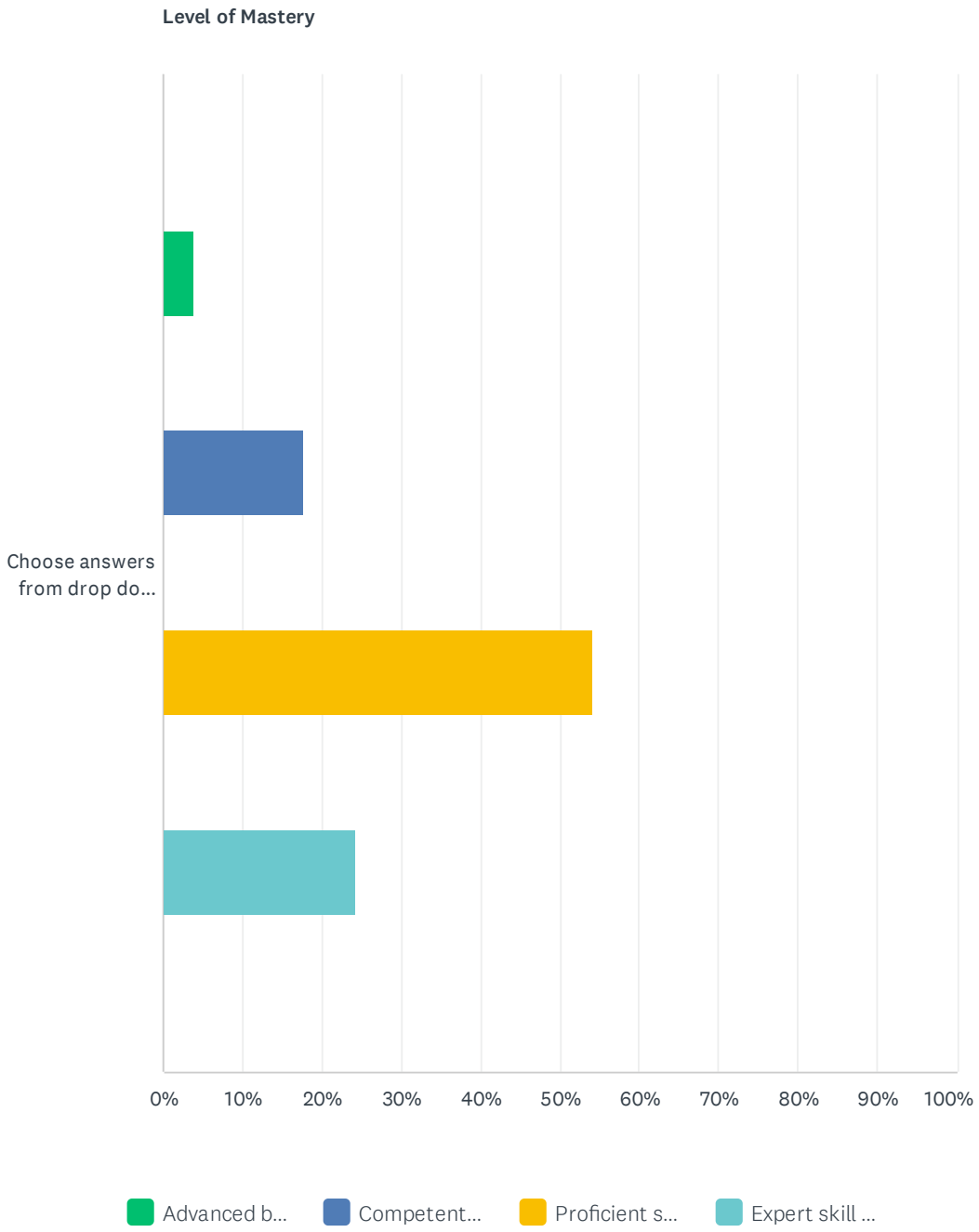


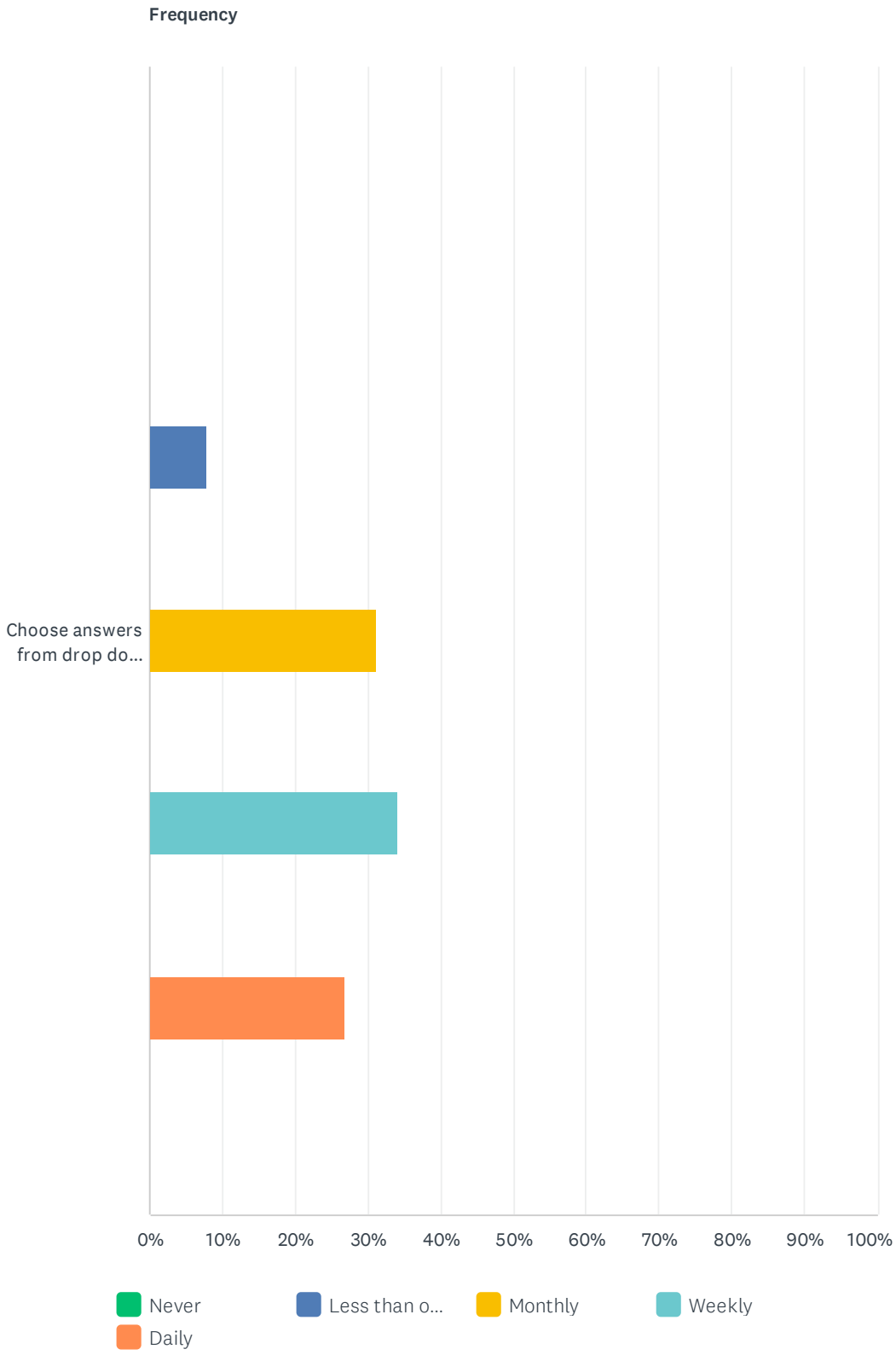

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.41%<br>1 | 2.07%<br>5 | 10.37%<br>25 | 44.81%<br>108 | 42.32%<br>102 | 241 |

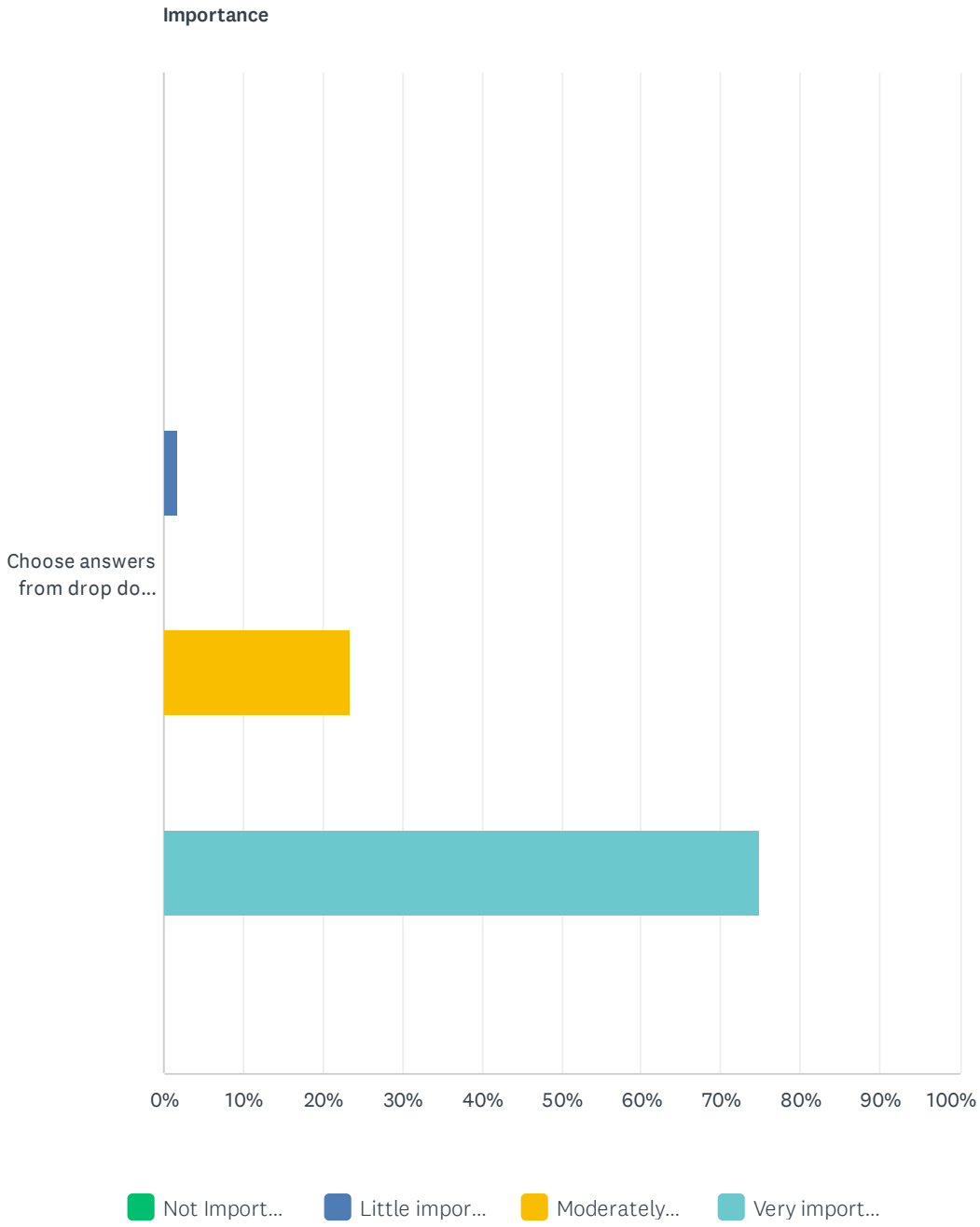
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.43%<br>1 | 7.23%<br>17 | 51.06%<br>120 | 41.28%<br>97 | 235 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 3.90%<br>9 | 17.75%<br>41 | 54.11%<br>125 | 24.24%<br>56 | <br>231 |

# Q117 3.2.4 Referring patient/client to other health care professionals for further examination as appropriate.

Answered: 241 Skipped: 969

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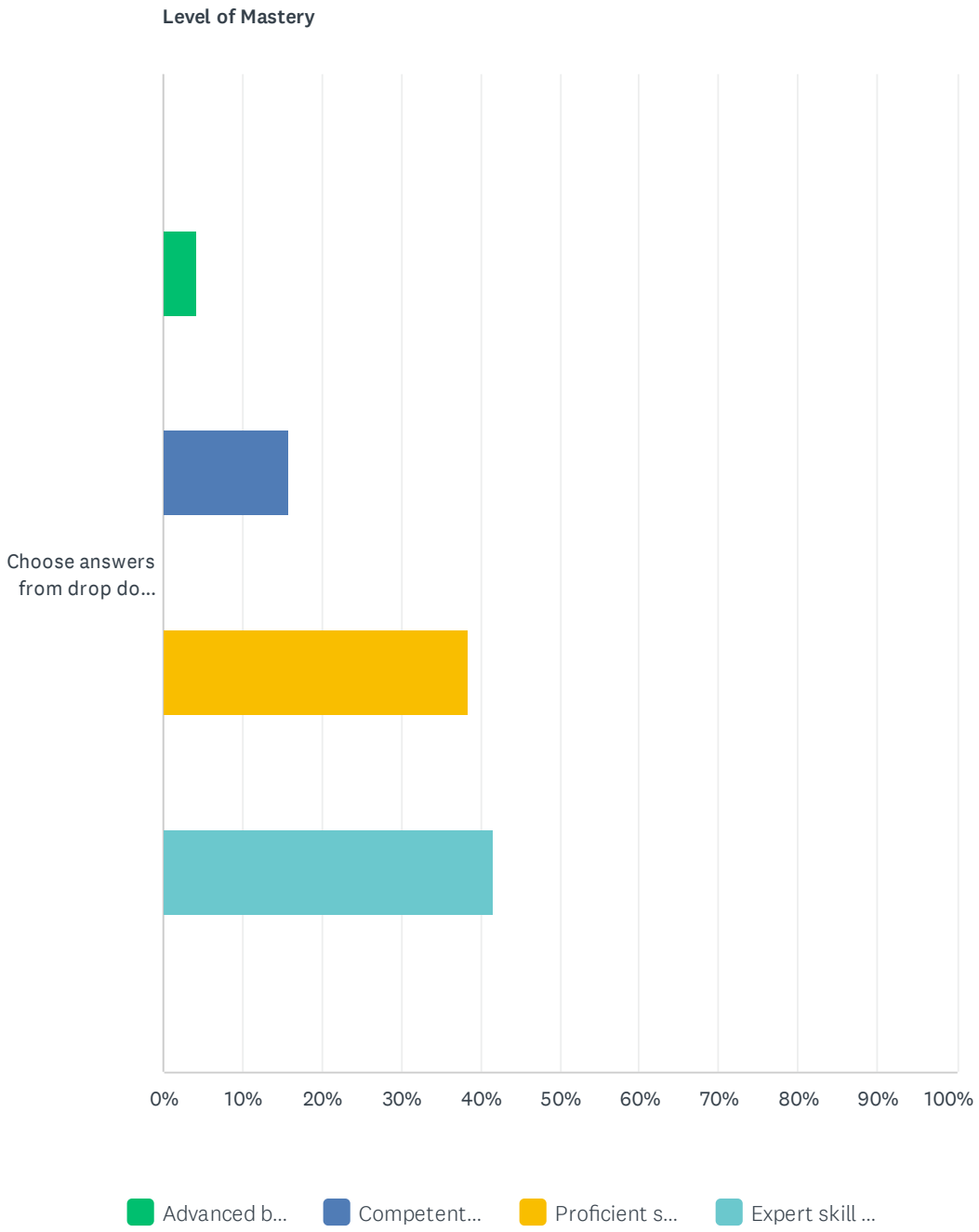


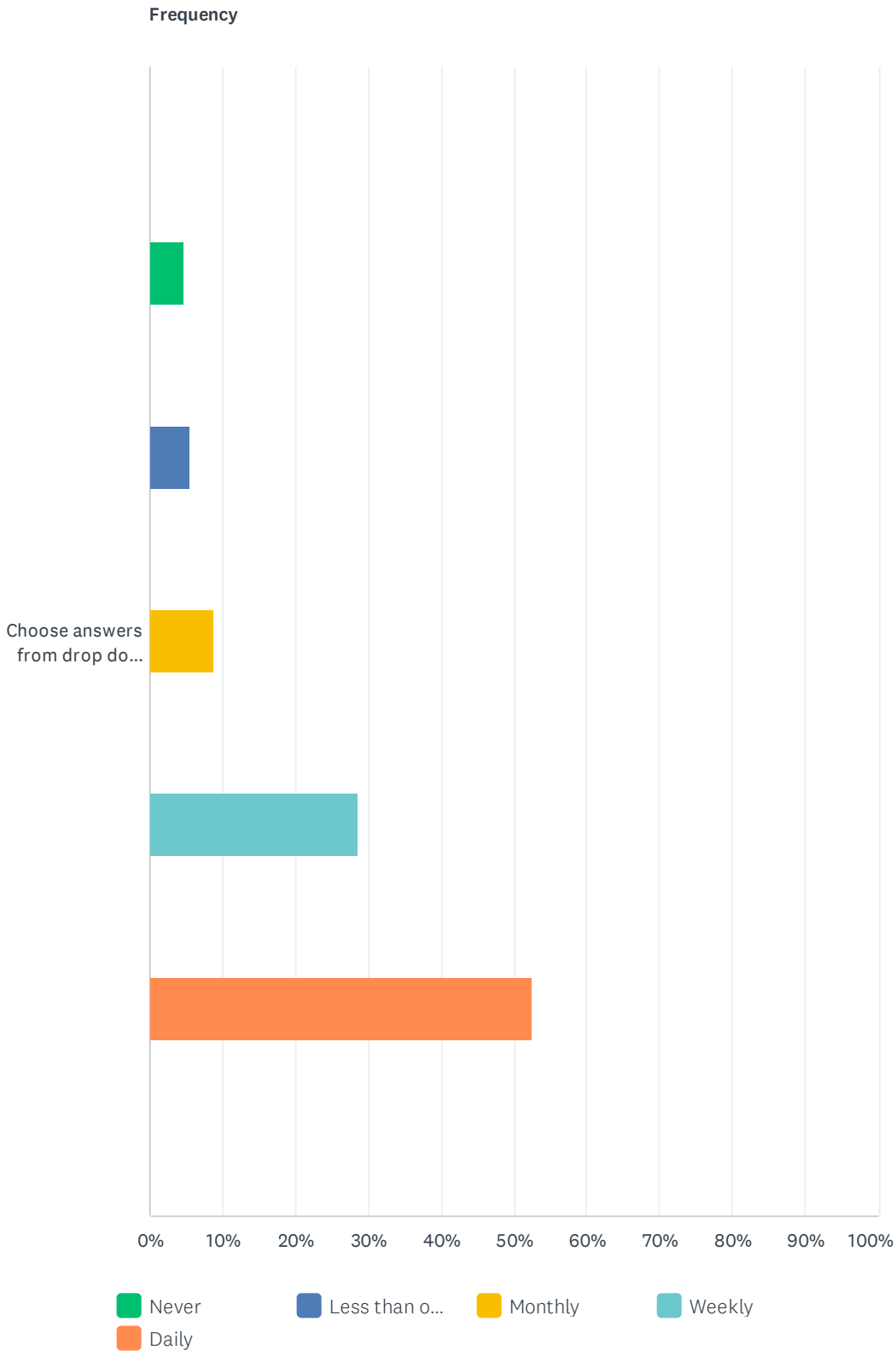

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 7.88%<br>19 | 31.12%<br>75 | 34.02%<br>82 | 26.97%<br>65 | 241 |

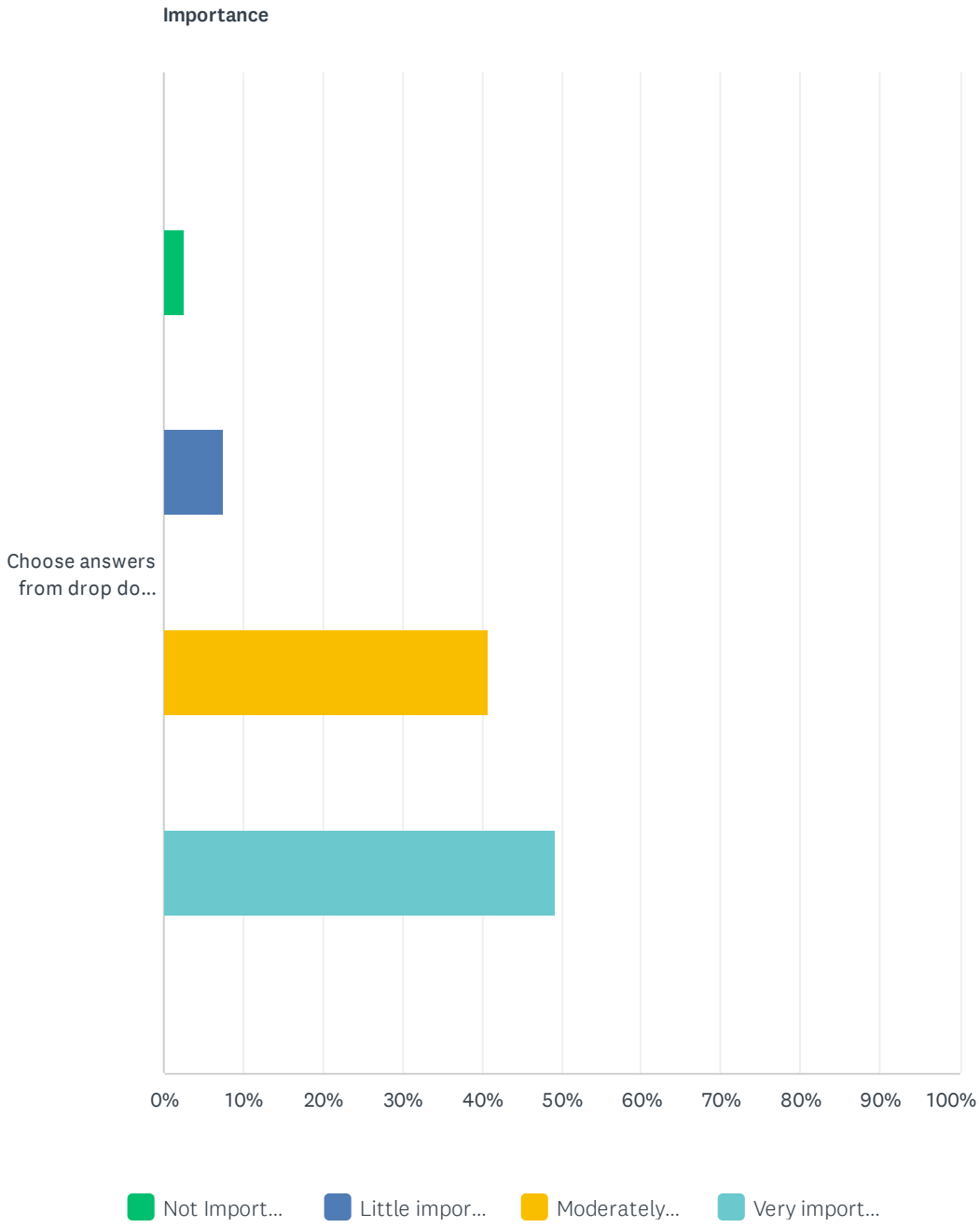
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.70%<br>4 | 23.40%<br>55 | 74.89%<br>176 | 235 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 4.37%<br>10 | 15.72%<br>36 | 38.43%<br>88 | 41.48%<br>95 | <br>229 |

# Q118 3.2.5 Considering implications of exam findings on activity, quality of life, and wellness as established by the ICF.

Answered: 239 Skipped: 971

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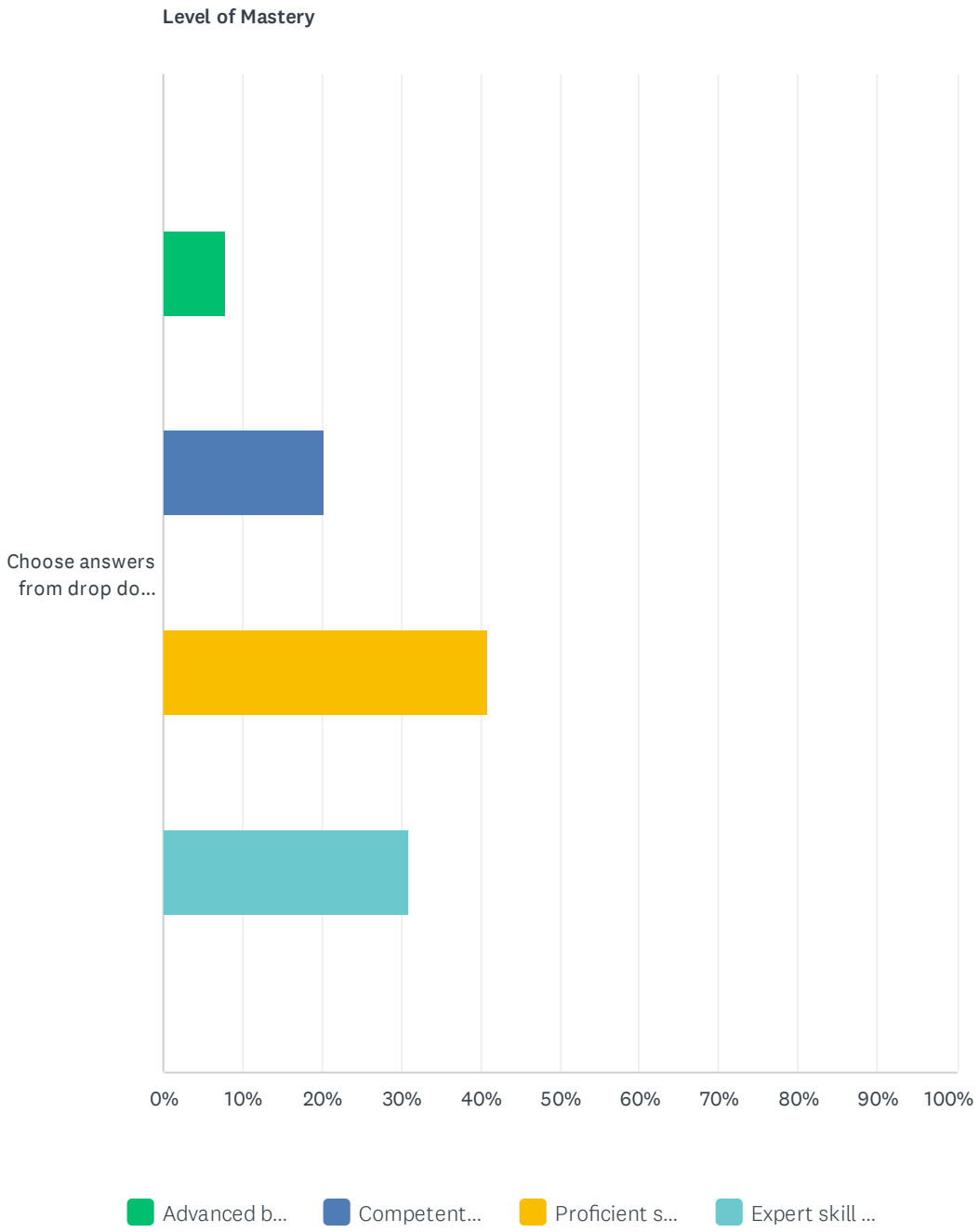


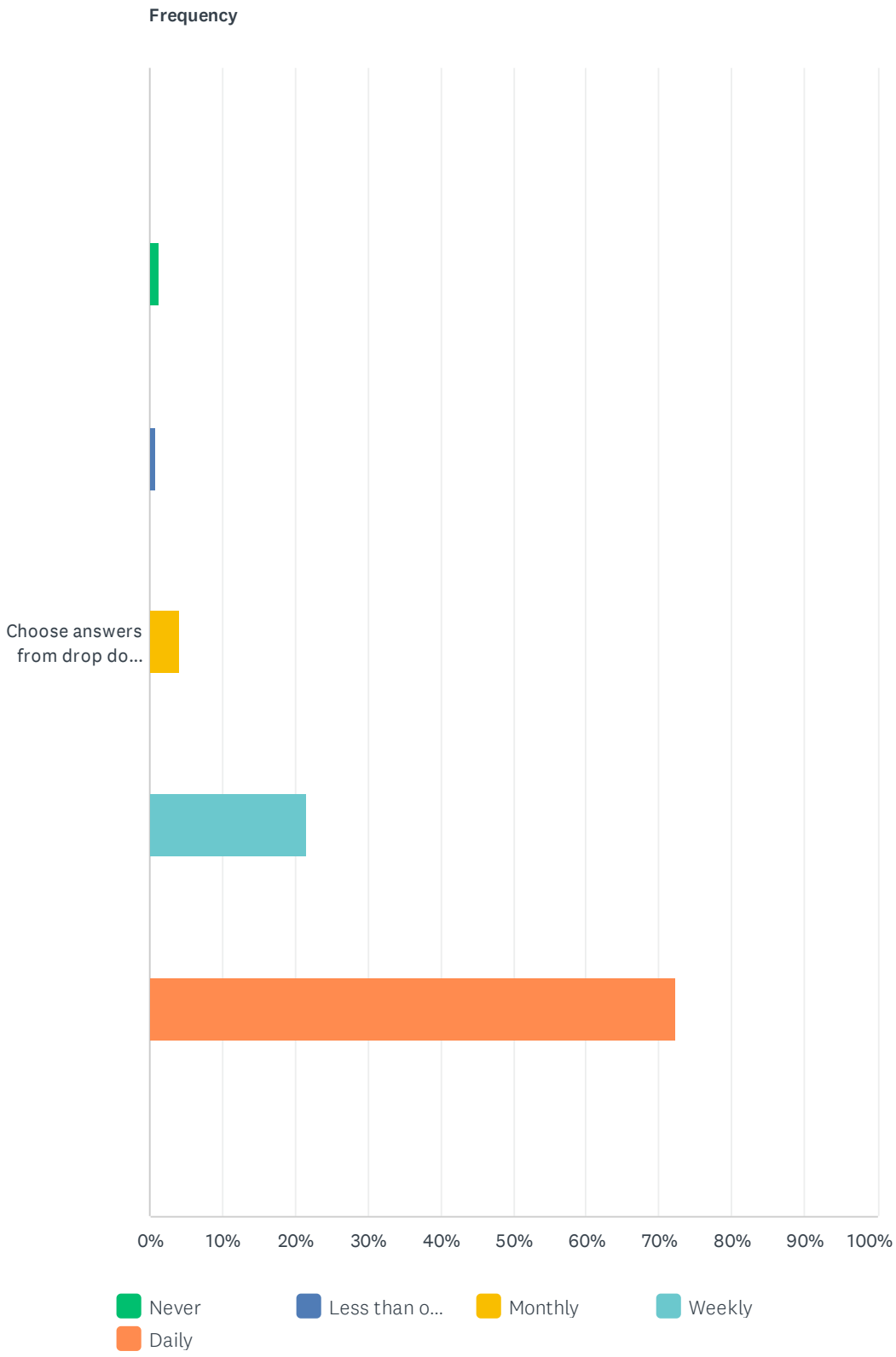

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 4.62%<br>11 | 5.46%<br>13 | 8.82%<br>21 | 28.57%<br>68 | 52.52%<br>125 | 238 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 2.60%<br>6 | 7.36%<br>17 | 40.69%<br>94 | 49.35%<br>114 | 231 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 7.93%<br>18 | 20.26%<br>46 | 40.97%<br>93 | 30.84%<br>70 | 227 |

# Q119 3.3.1 Organizing examination findings into clusters, syndromes, or categories to which physical therapy interventions will be directed and to determine prognosis.

Answered: 241 Skipped: 969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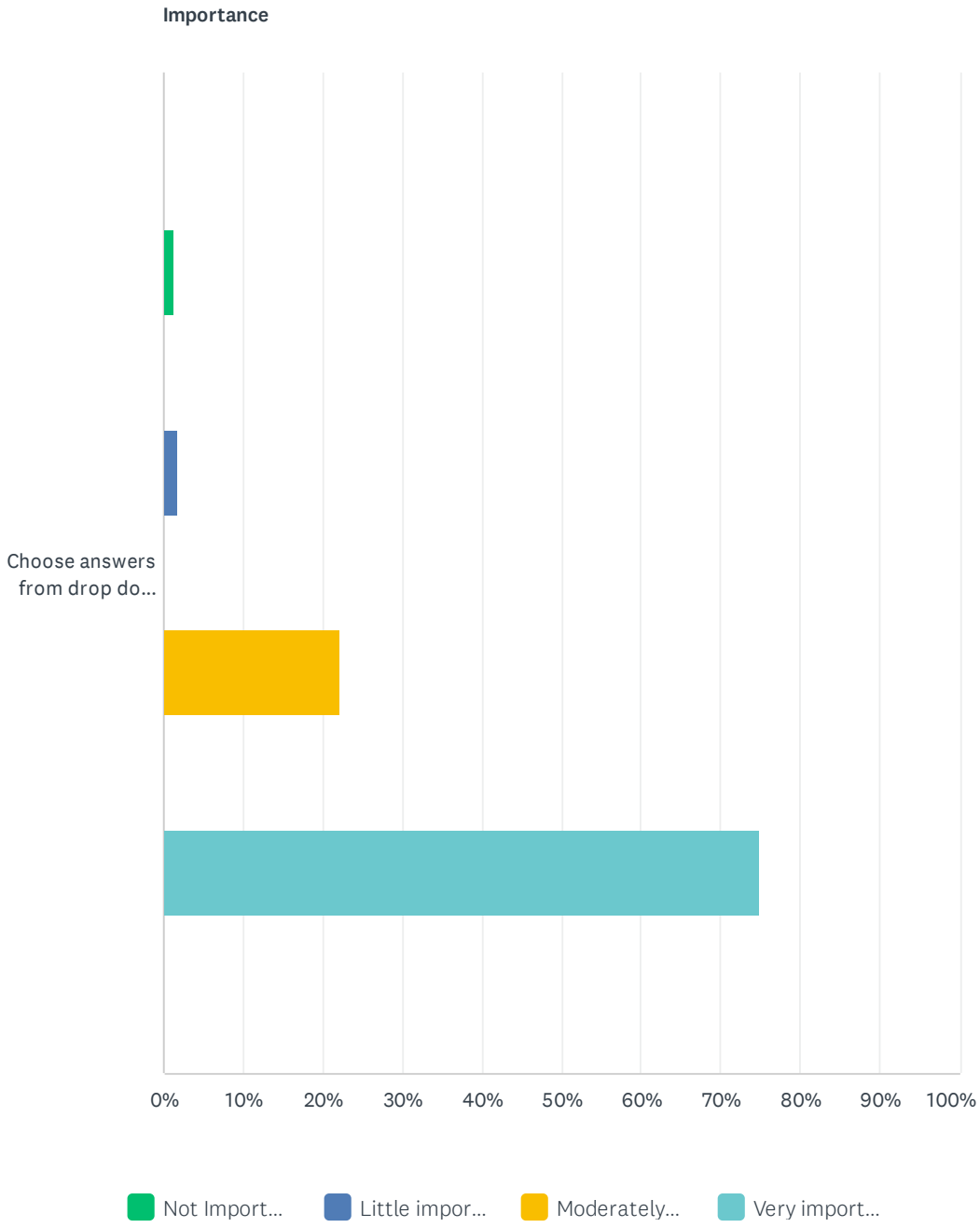
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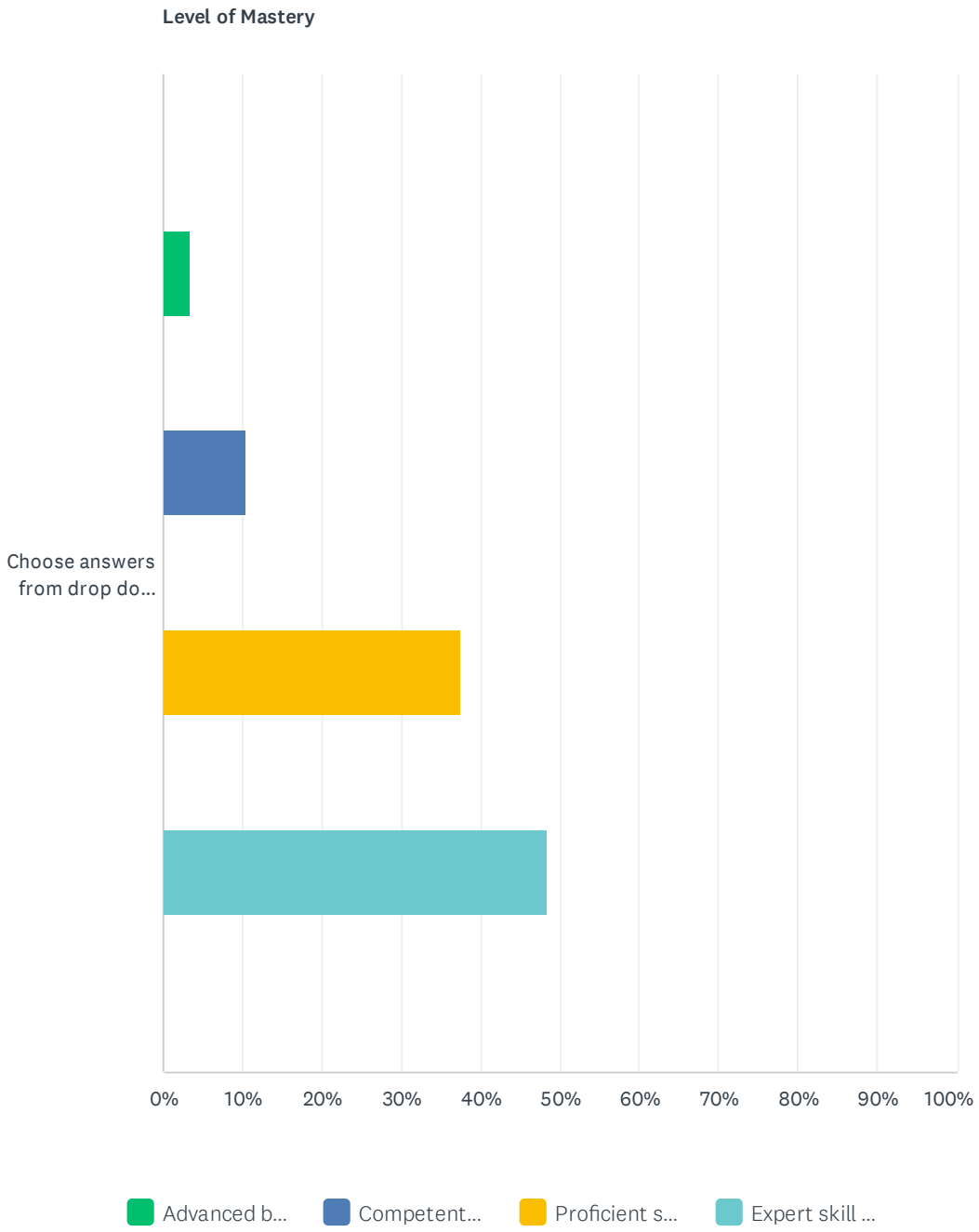


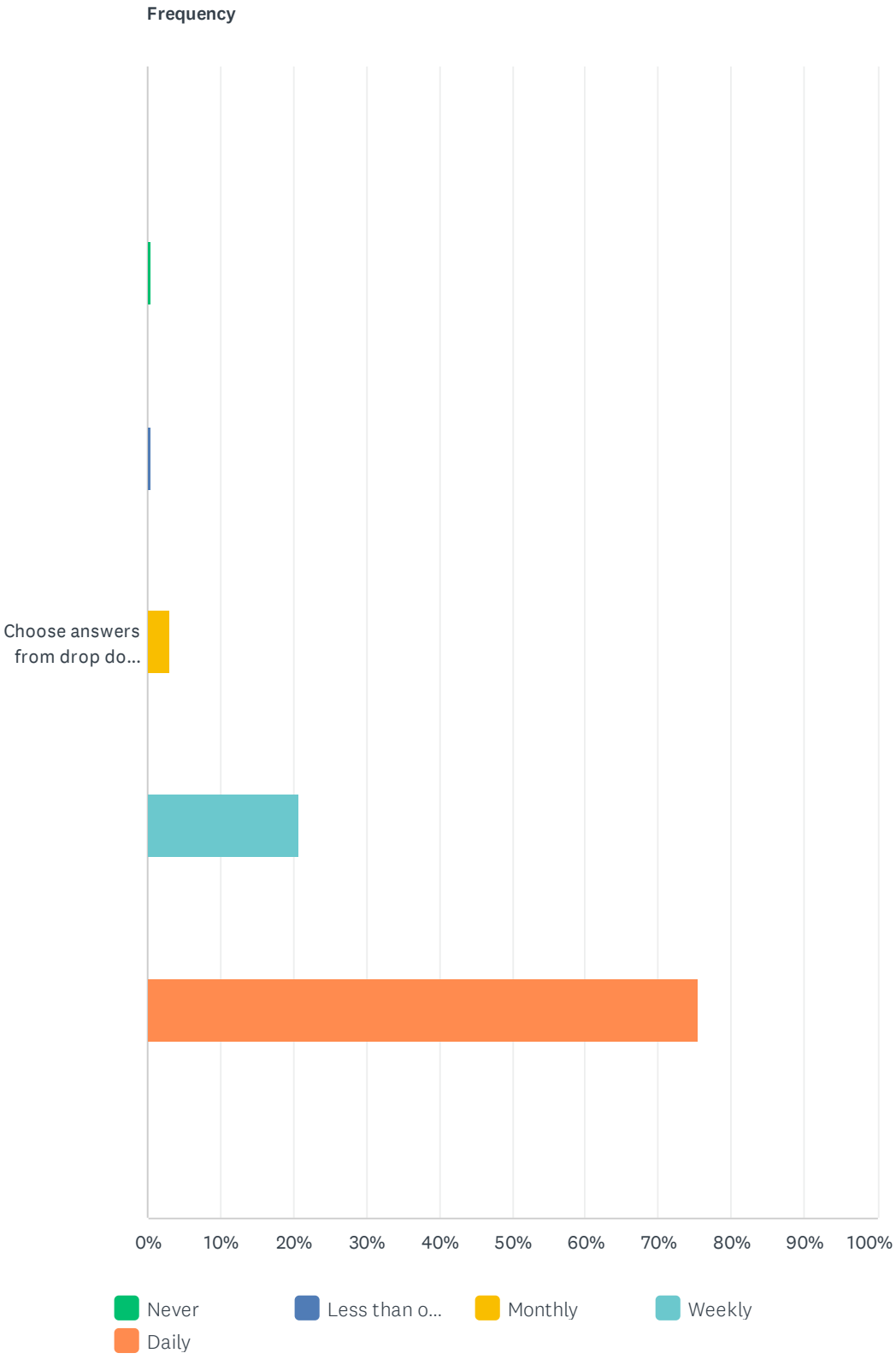

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.24%<br>3 | 0.83%<br>2 | 4.15%<br>10 | 21.58%<br>52 | 72.20%<br>174 | 241 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.28%<br>3 | 1.71%<br>4 | 22.22%<br>52 | 74.79%<br>175 | 234 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 3.49%<br>8 | 10.48%<br>24 | 37.55%<br>86 | 48.47%<br>111 | 229 |

# Q120 3.4.1 Accounting for the complexity of the patient/client’s dysfunctions/conditions, the predicted optimal level of improvement in function, and the amount of time needed to reach that level.

Answered: 241 Skipped: 969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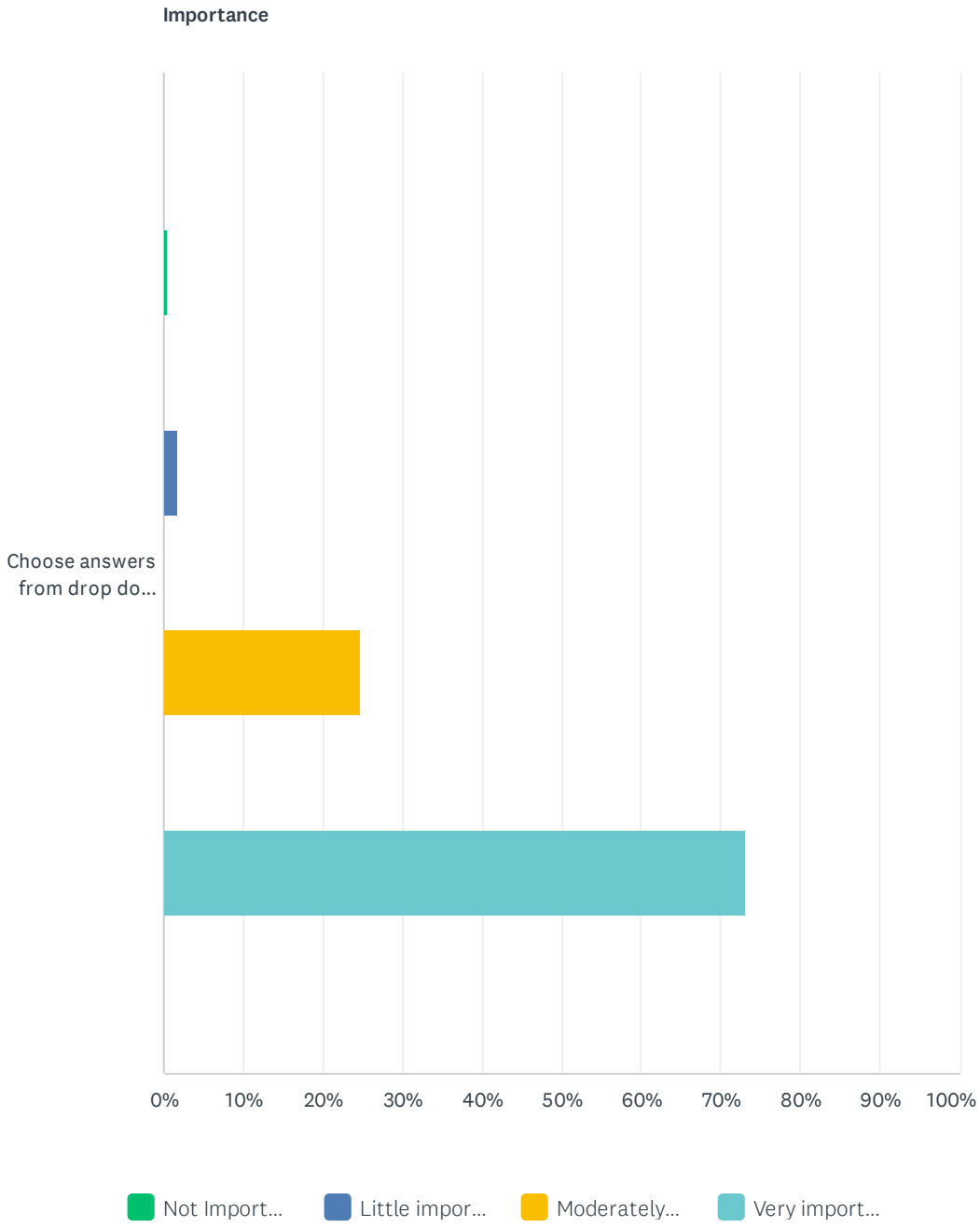
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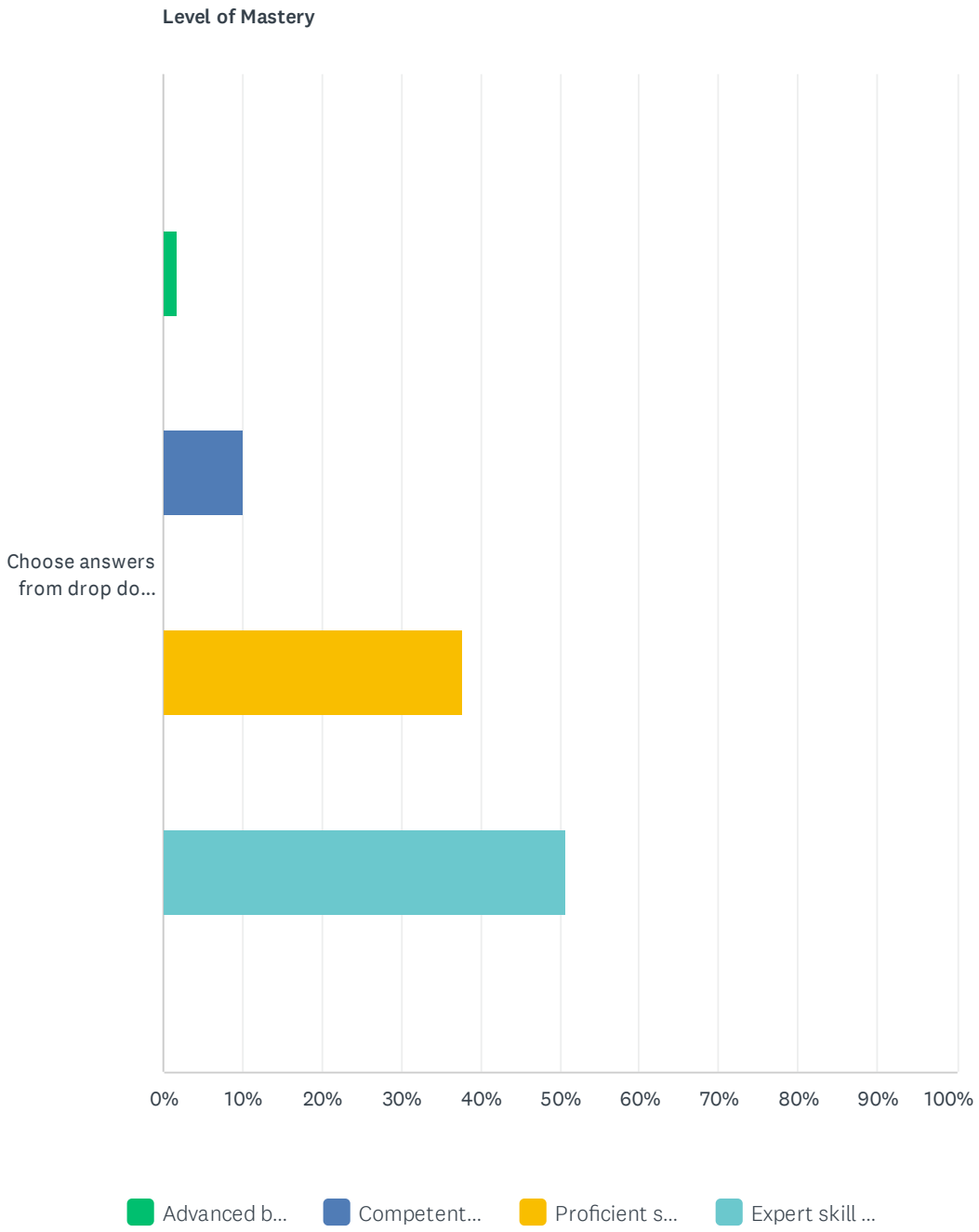


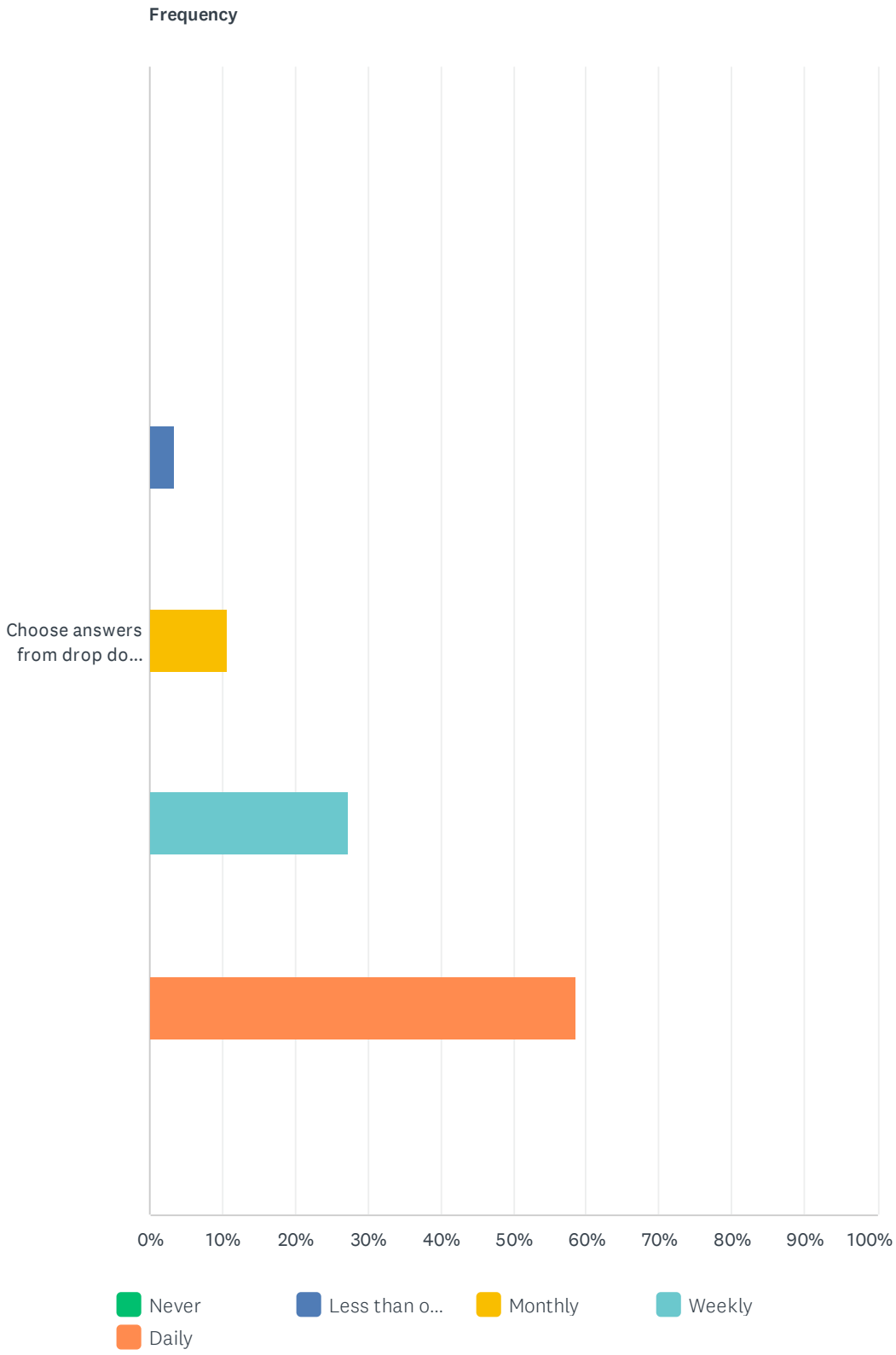

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.41%<br>1 | 0.41%<br>1 | 2.90%<br>7 | 20.75%<br>50 | 75.52%<br>182 | 241 |

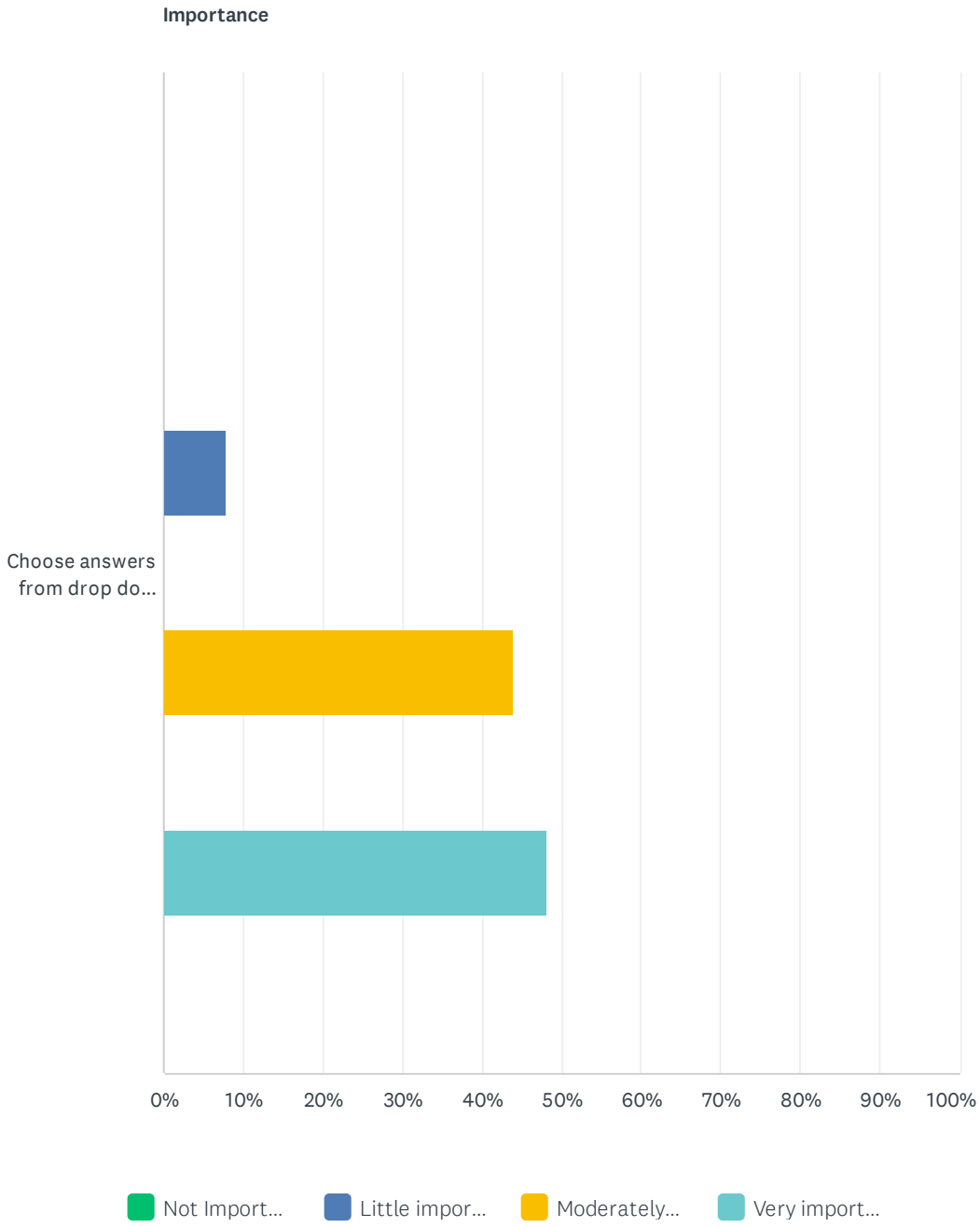
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.43%<br>1 | 1.70%<br>4 | 24.68%<br>58 | 73.19%<br>172 | 235 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 1.73%<br>4 | 9.96%<br>23 | 37.66%<br>87 | 50.65%<br>117 | <br>231 |

# Q121 3.5.1 Ergonomics (influences of environment and occupation on posture and movement).

Answered: 235 Skipped: 975

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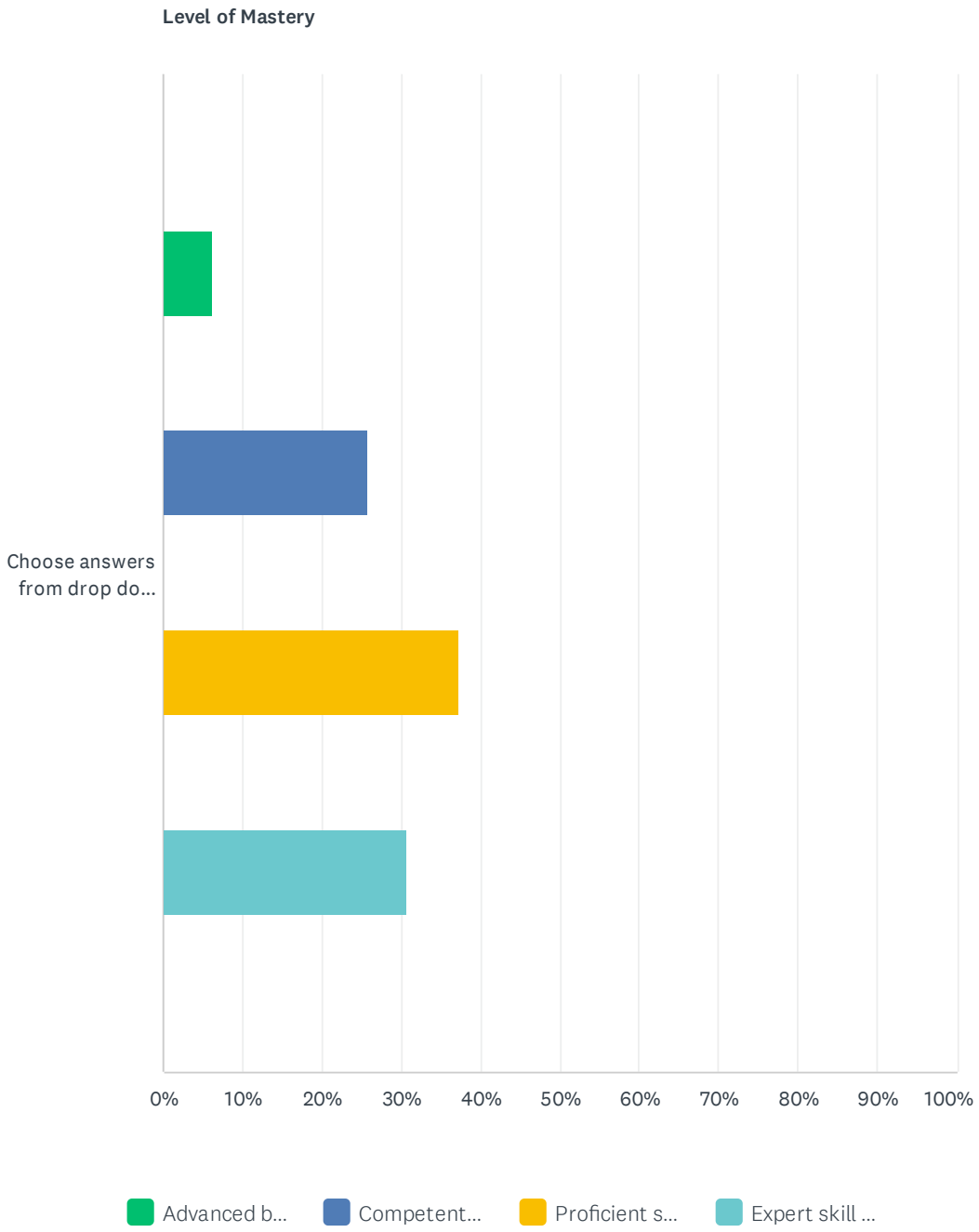


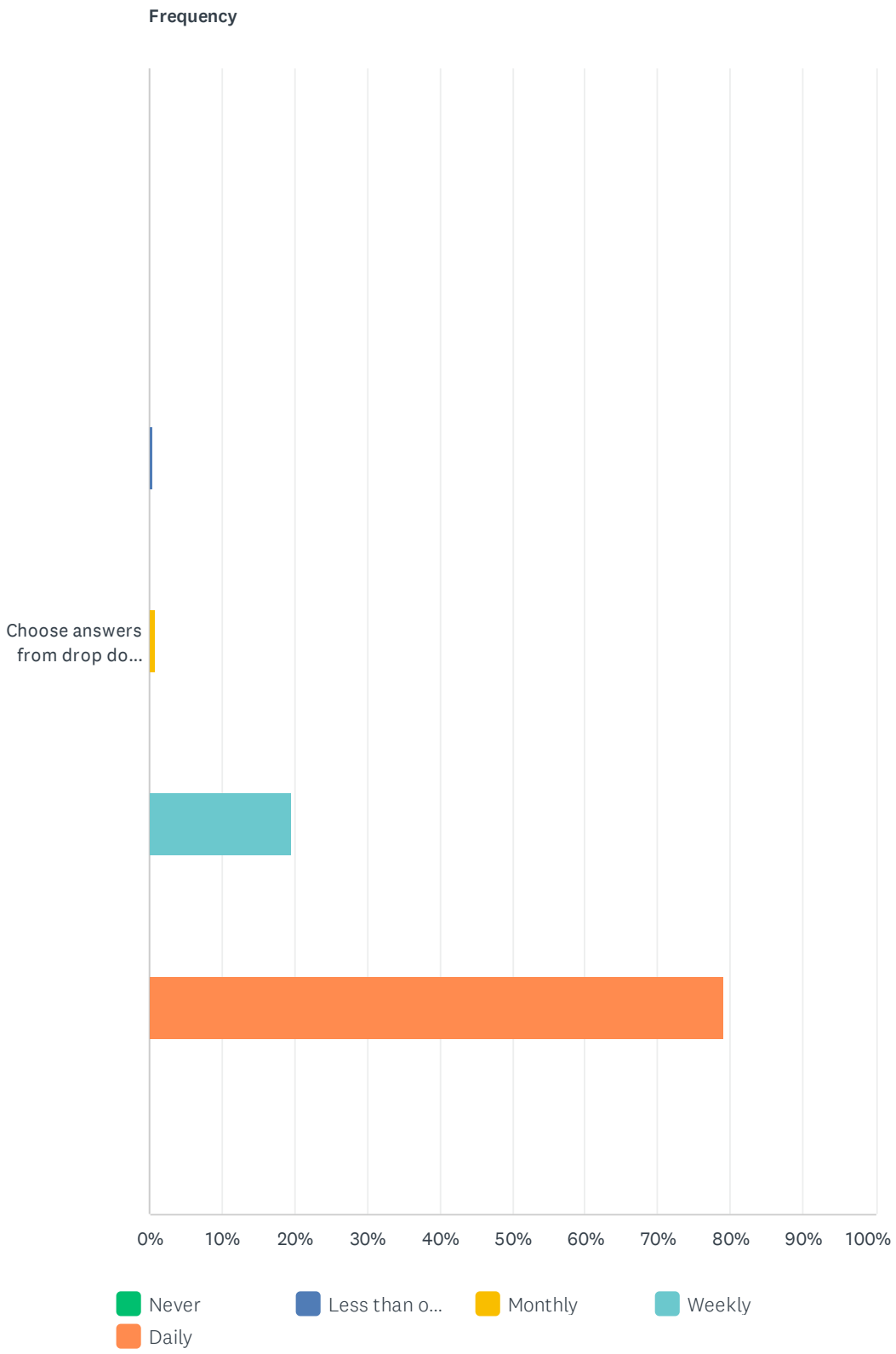

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 3.40%<br>8 | 10.64%<br>25 | 27.23%<br>64 | 58.72%<br>138 | 235 |

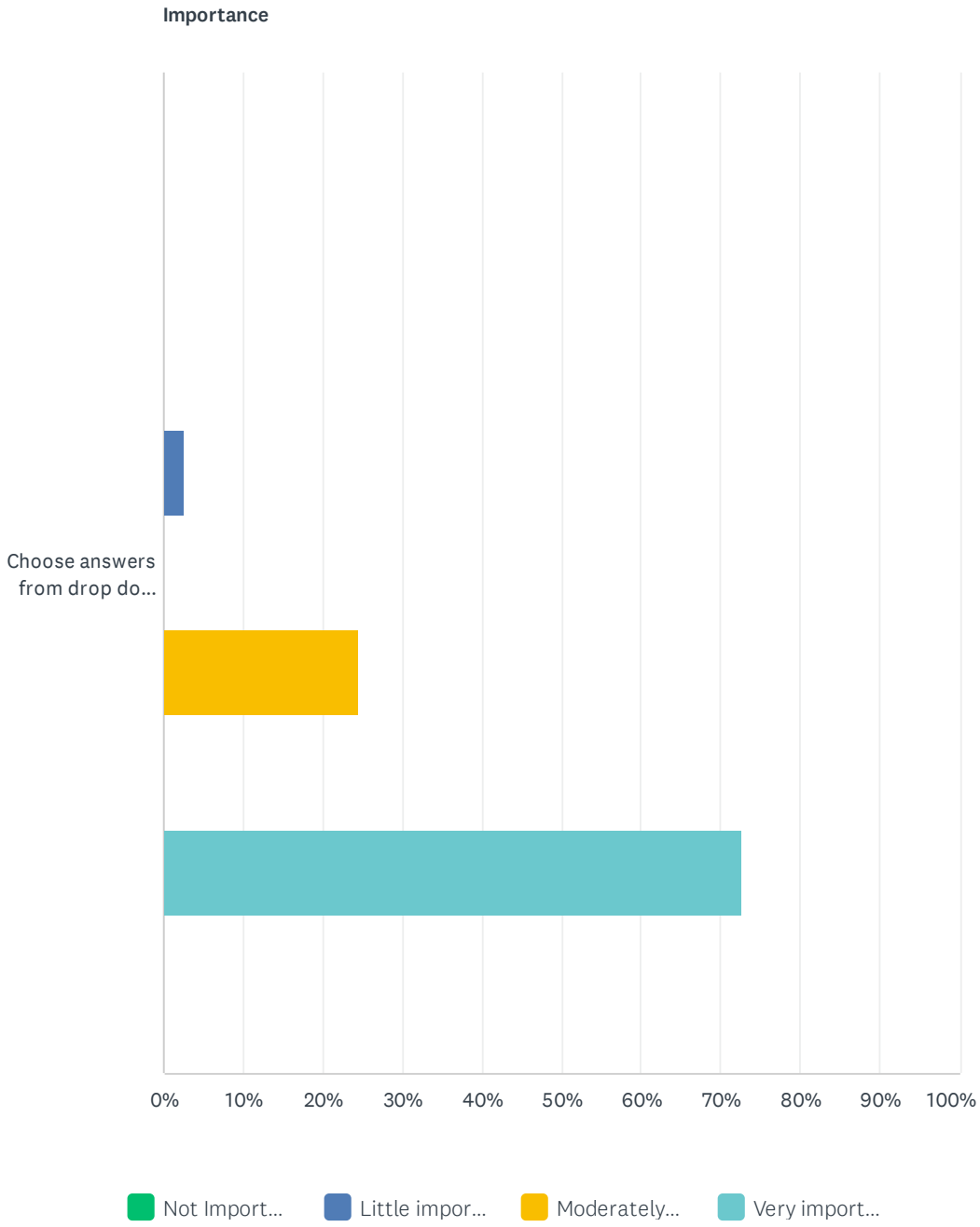
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 7.89%<br>18 | 43.86%<br>100 | 48.25%<br>110 | 228 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 6.22%<br>14 | 25.78%<br>58 | 37.33%<br>84 | 30.67%<br>69 | <br>225 |

# Q122 3.5.2 Education/training of functional activities.

Answered: 234 Skipped: 976

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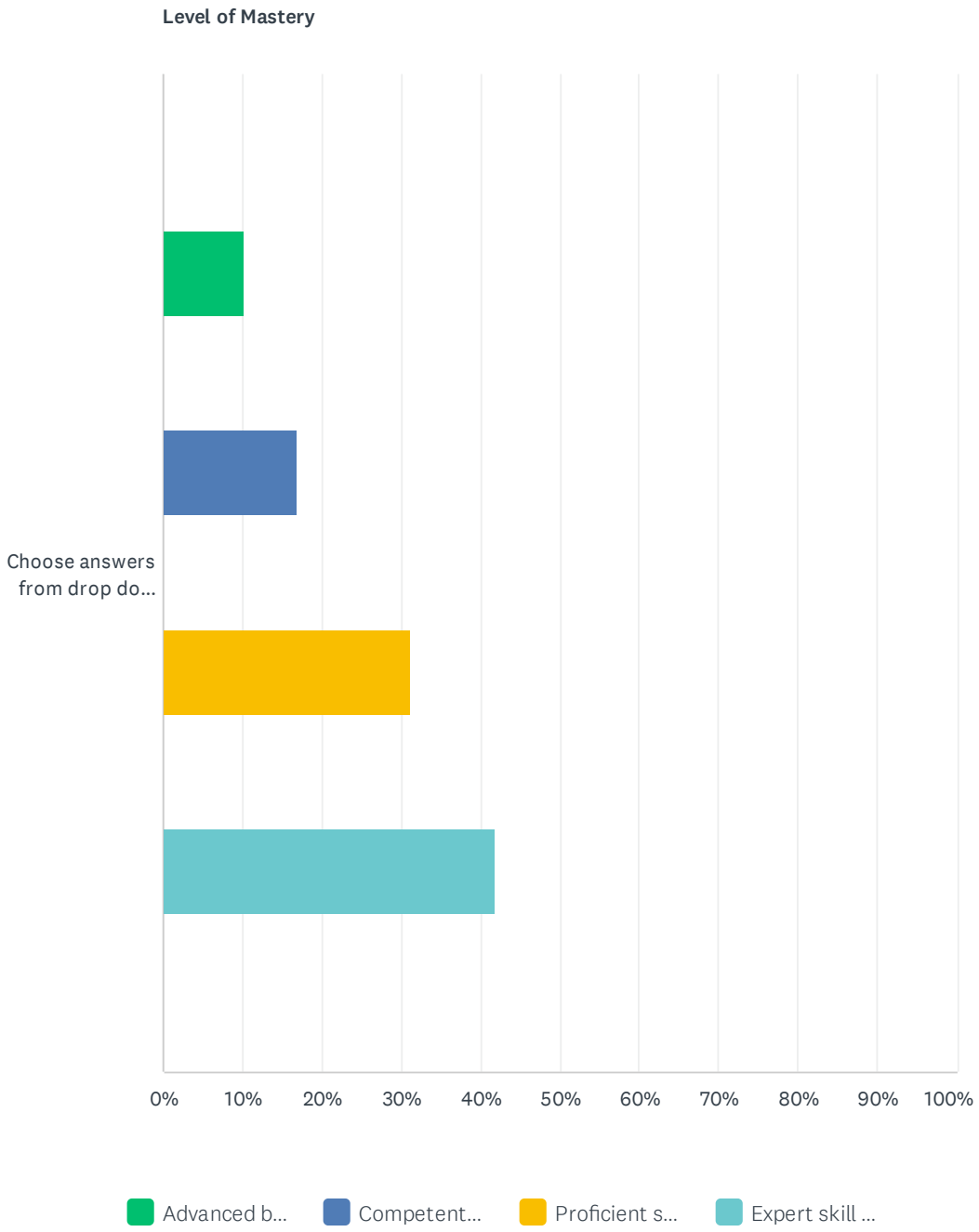


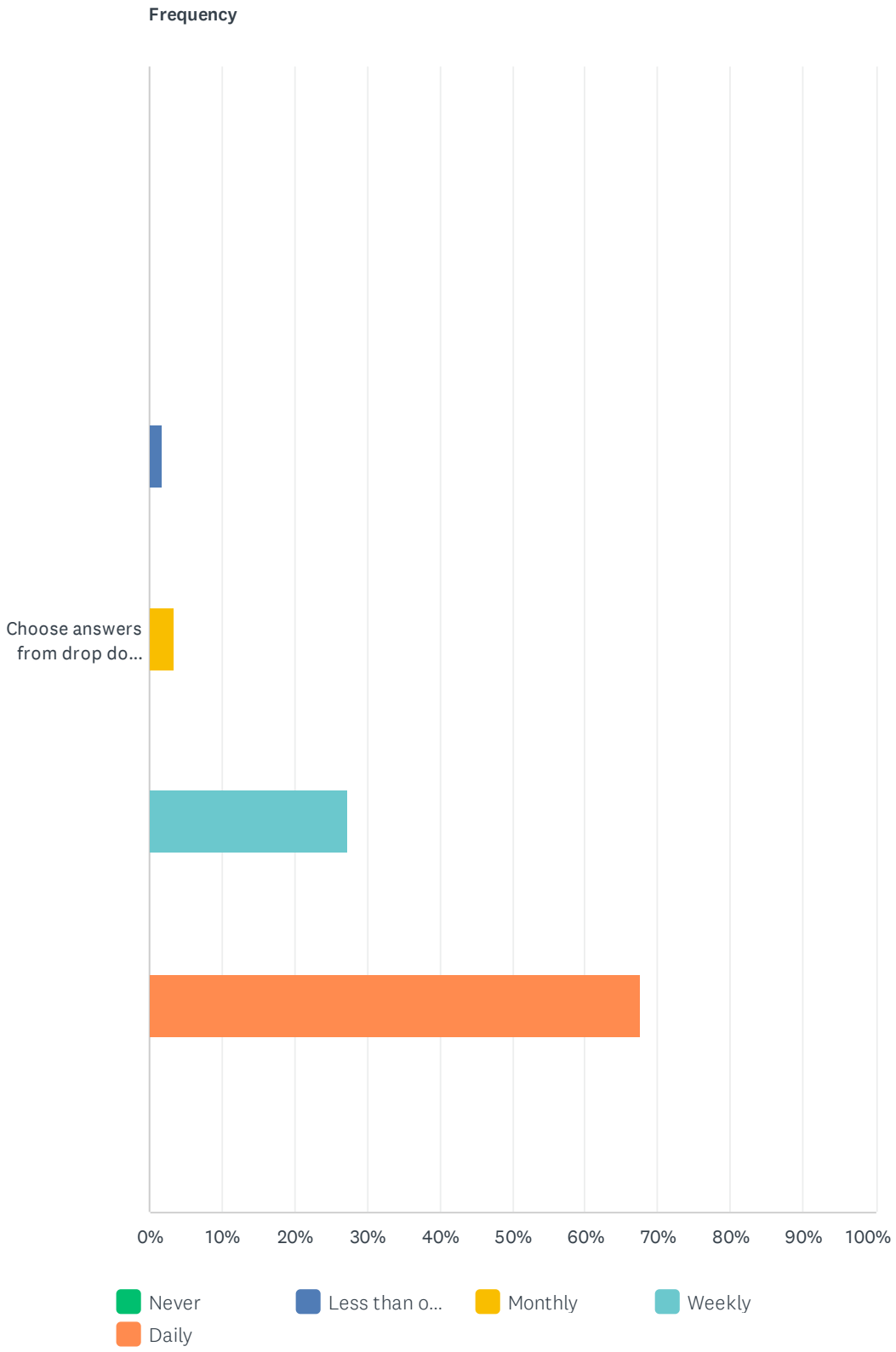

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.43%<br>1 | 0.85%<br>2 | 19.66%<br>46 | 79.06%<br>185 | 234 |

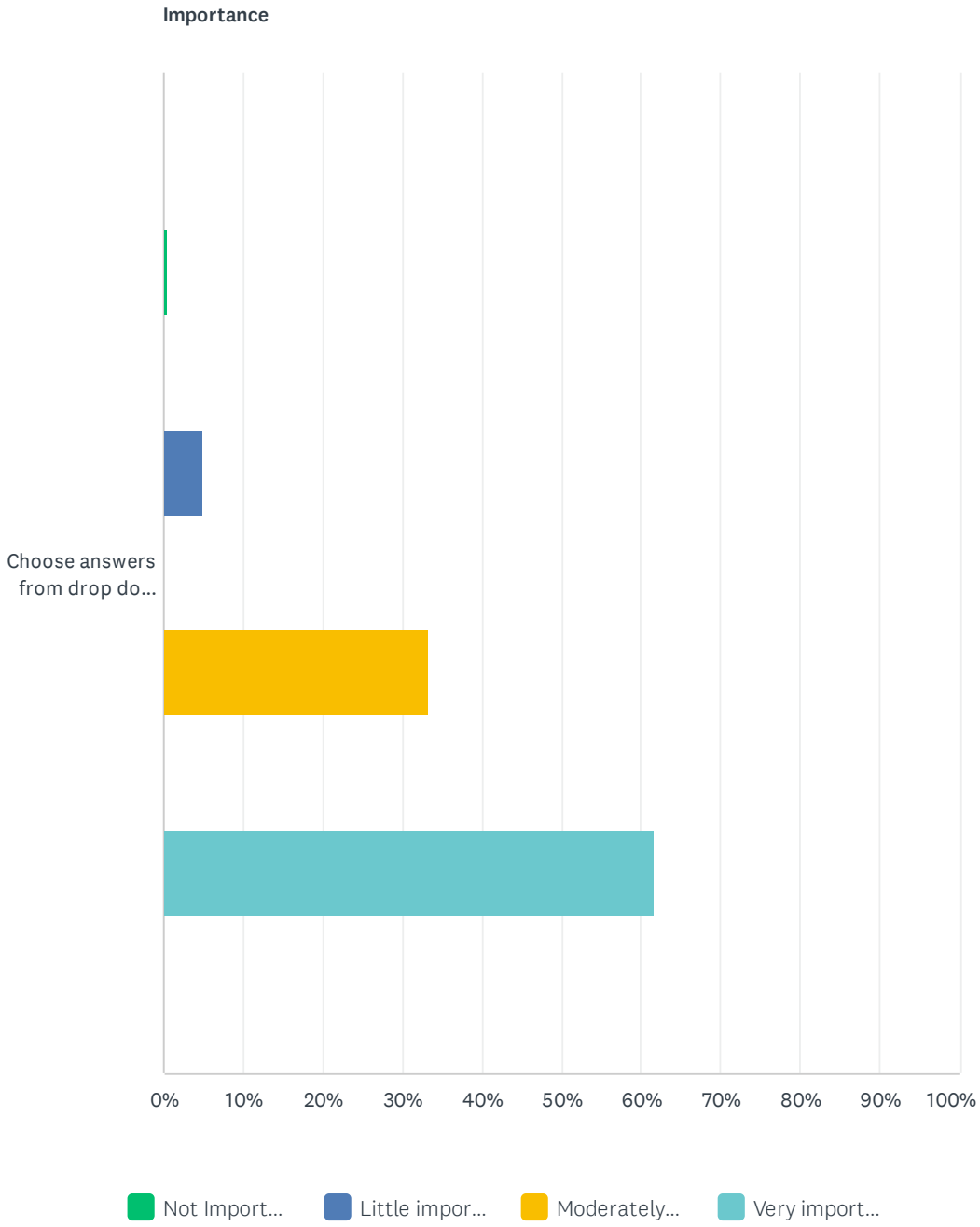
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 2.63%<br>6 | 24.56%<br>56 | 72.81%<br>166 | 228 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 10.22%<br>23 | 16.89%<br>38 | 31.11%<br>70 | 41.78%<br>94 | <br>225 |

# Q123 3.5.3 Education/training of activities of daily living (e.g., hygiene, stair climbing, sleeping postures).

Answered: 235 Skipped: 975

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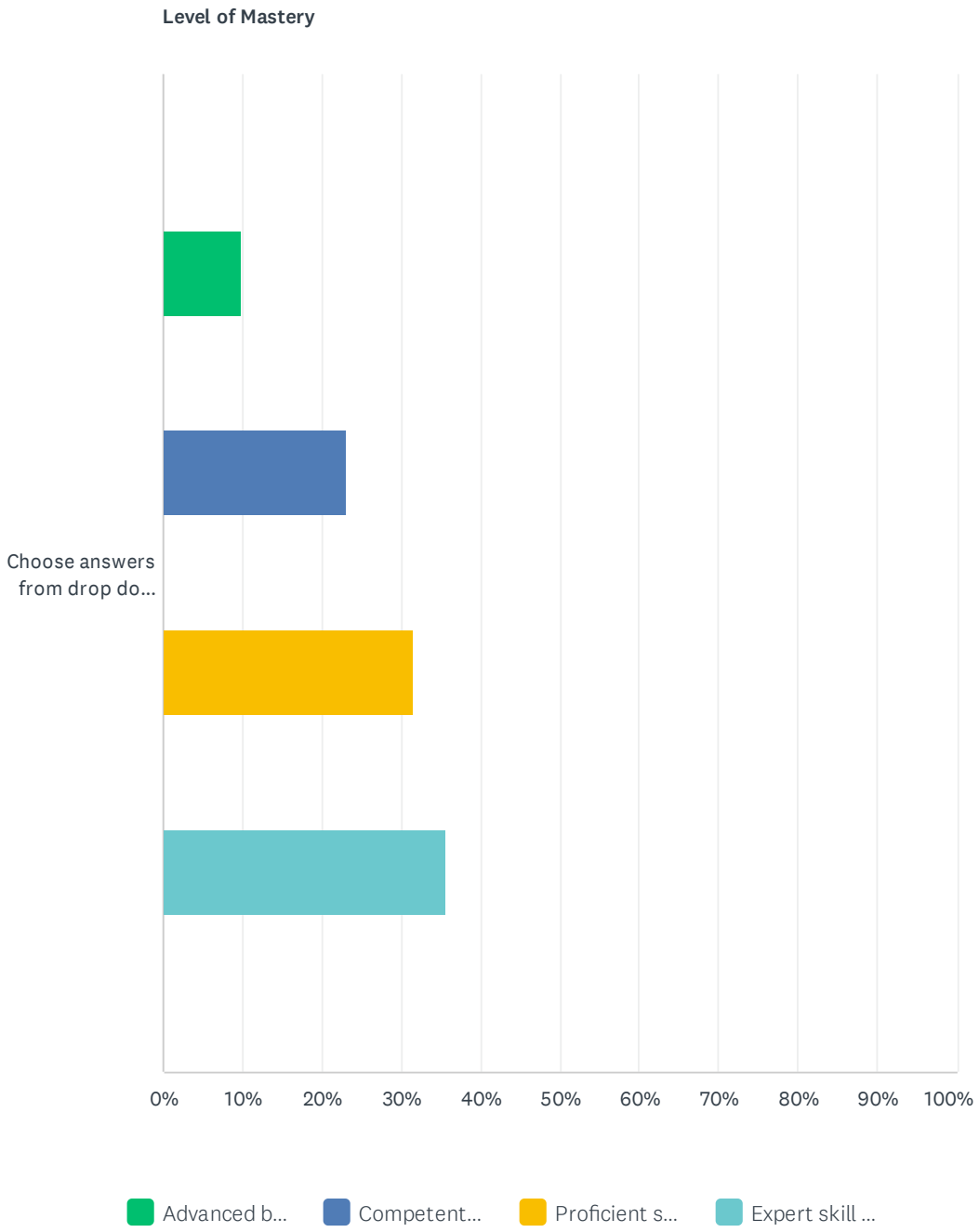


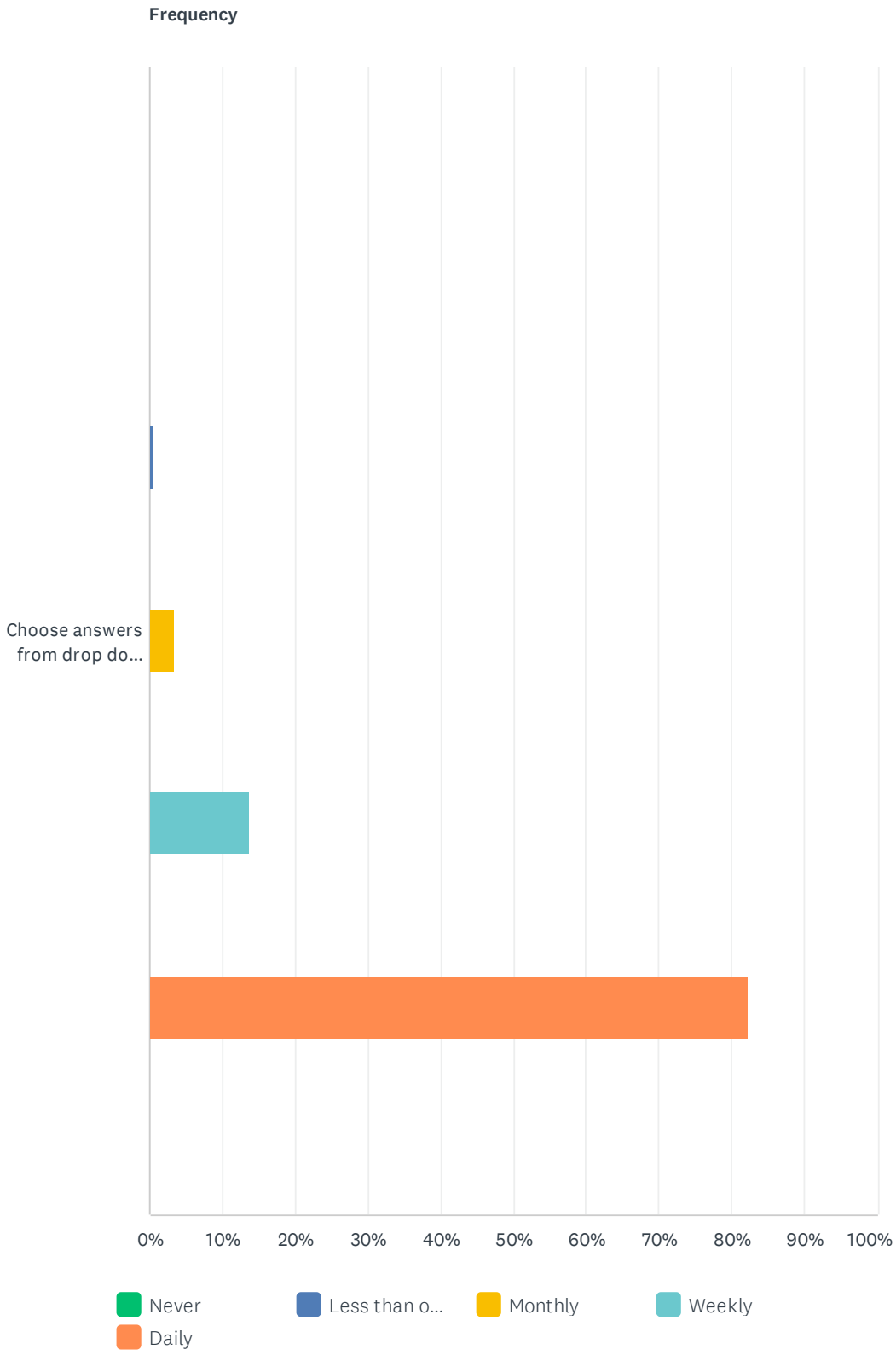

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.70%<br>4 | 3.40%<br>8 | 27.23%<br>64 | 67.66%<br>159 | 235 |

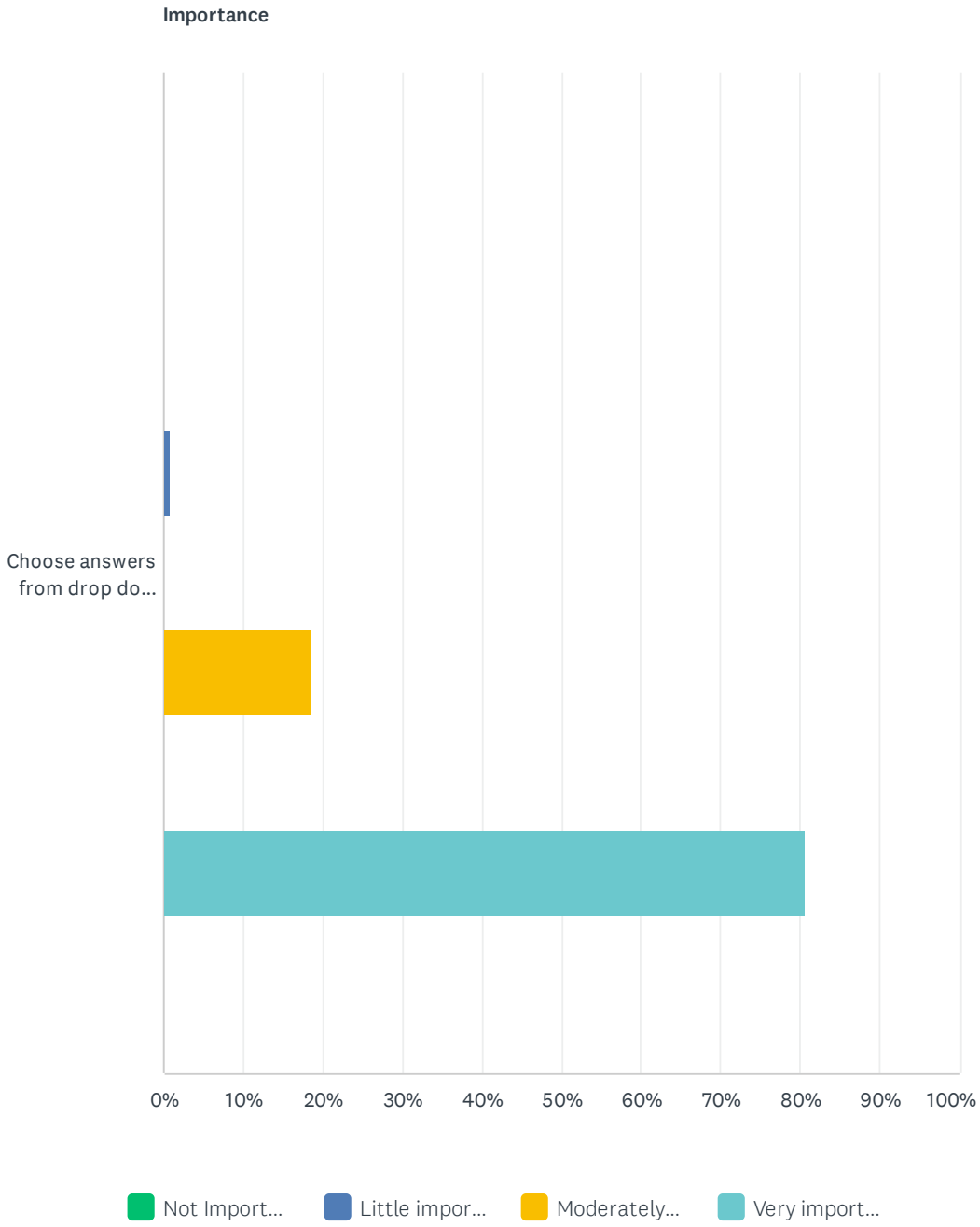
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.44%<br>1 | 4.80%<br>11 | 33.19%<br>76 | 61.57%<br>141 | 229 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 9.78%<br>22 | 23.11%<br>52 | 31.56%<br>71 | 35.56%<br>80 | 225 |

# Q124 3.5.4.1 Concerning diagnosis, prognosis, treatment, responsibility, and self-management within plan of care.

Answered: 233 Skipped: 977

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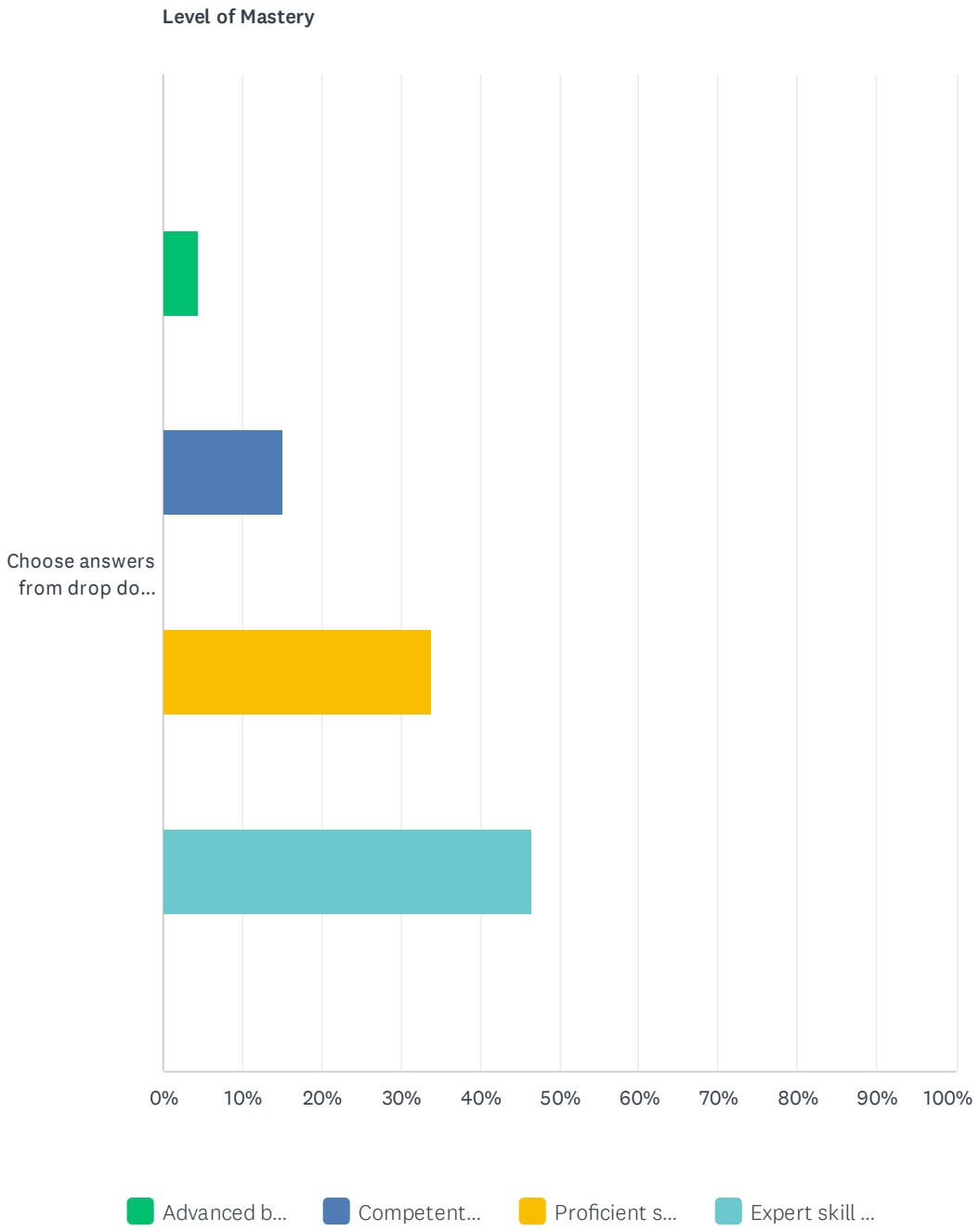


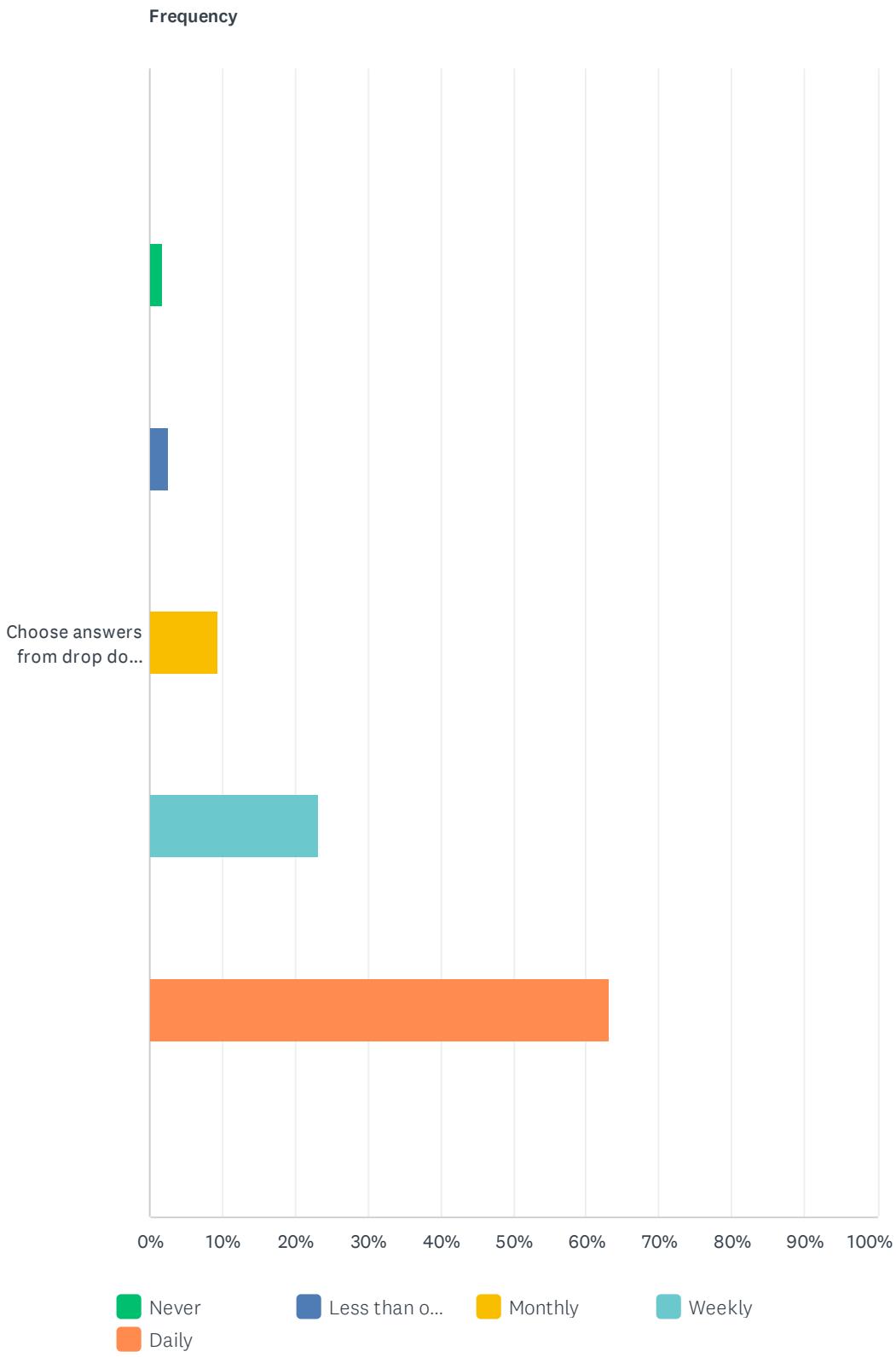

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.43%<br>1 | 3.43%<br>8 | 13.73%<br>32 | 82.40%<br>192 | 233 |

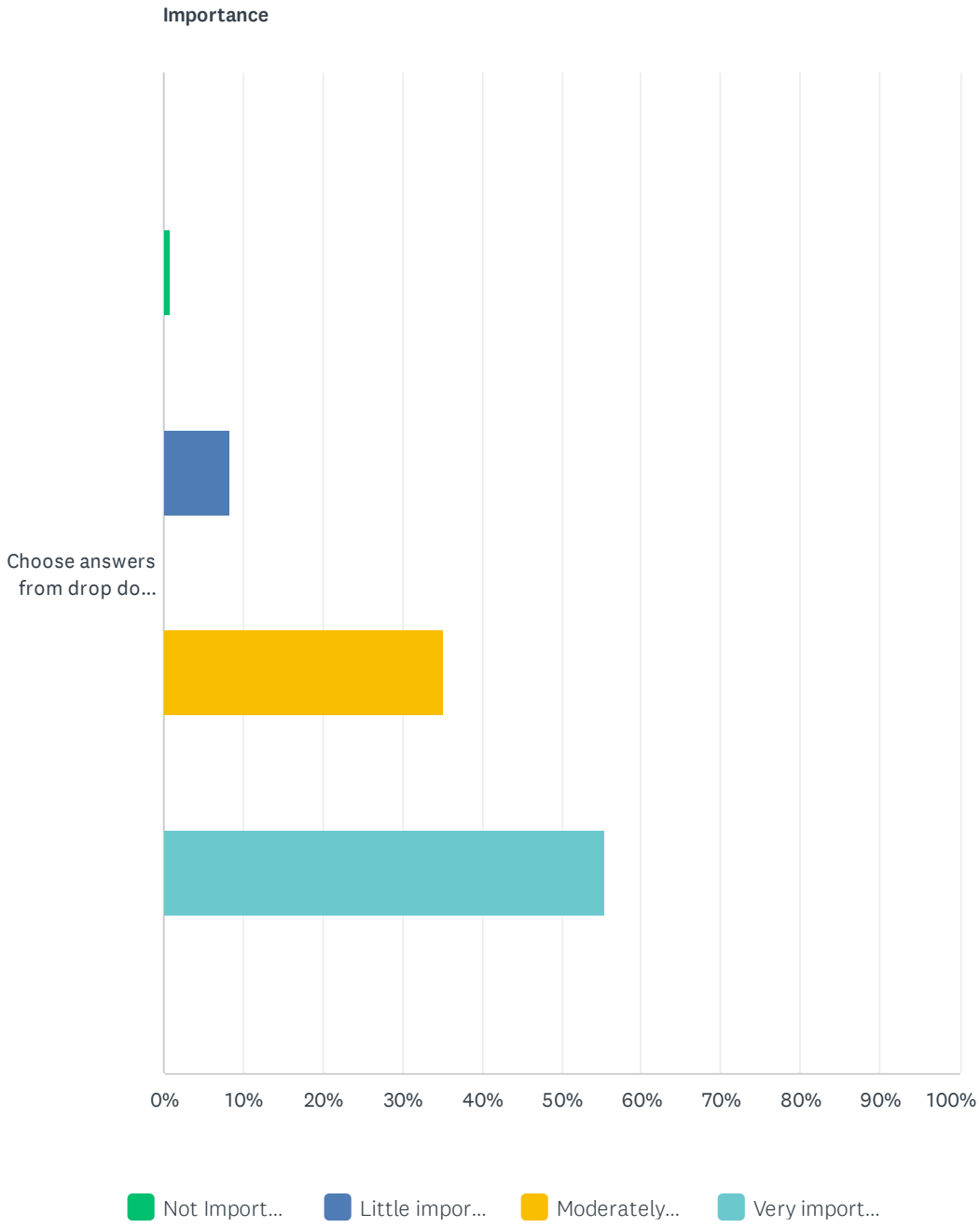
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.88%<br>2 | 18.50%<br>42 | 80.62%<br>183 | 227 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 4.46%<br>10 | 15.18%<br>34 | 33.93%<br>76 | 46.43%<br>104 | <br>224 |

# Q125 3.5.4.2 Using the biopsychosocial/biomedical models.

Answered: 233 Skipped: 977

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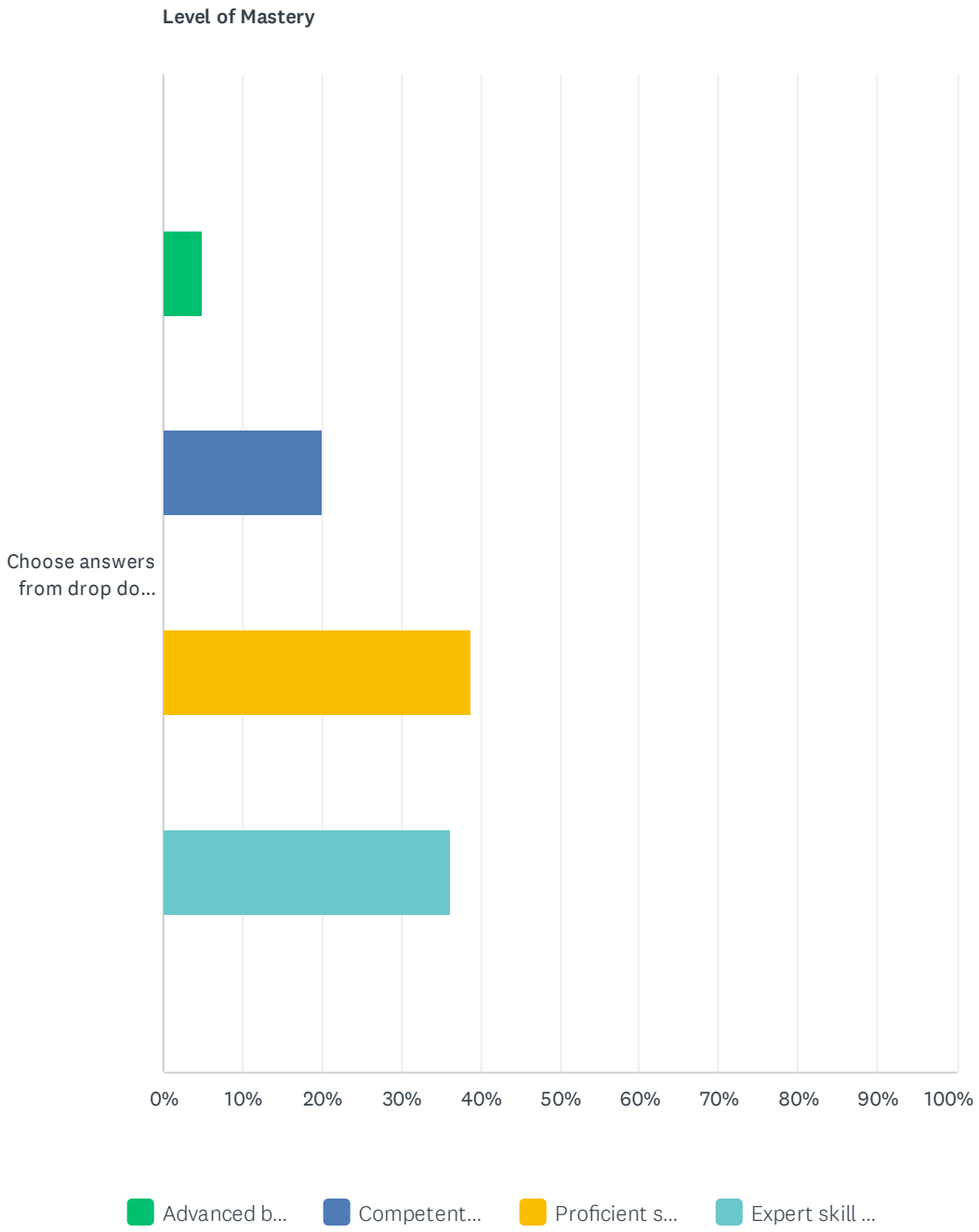


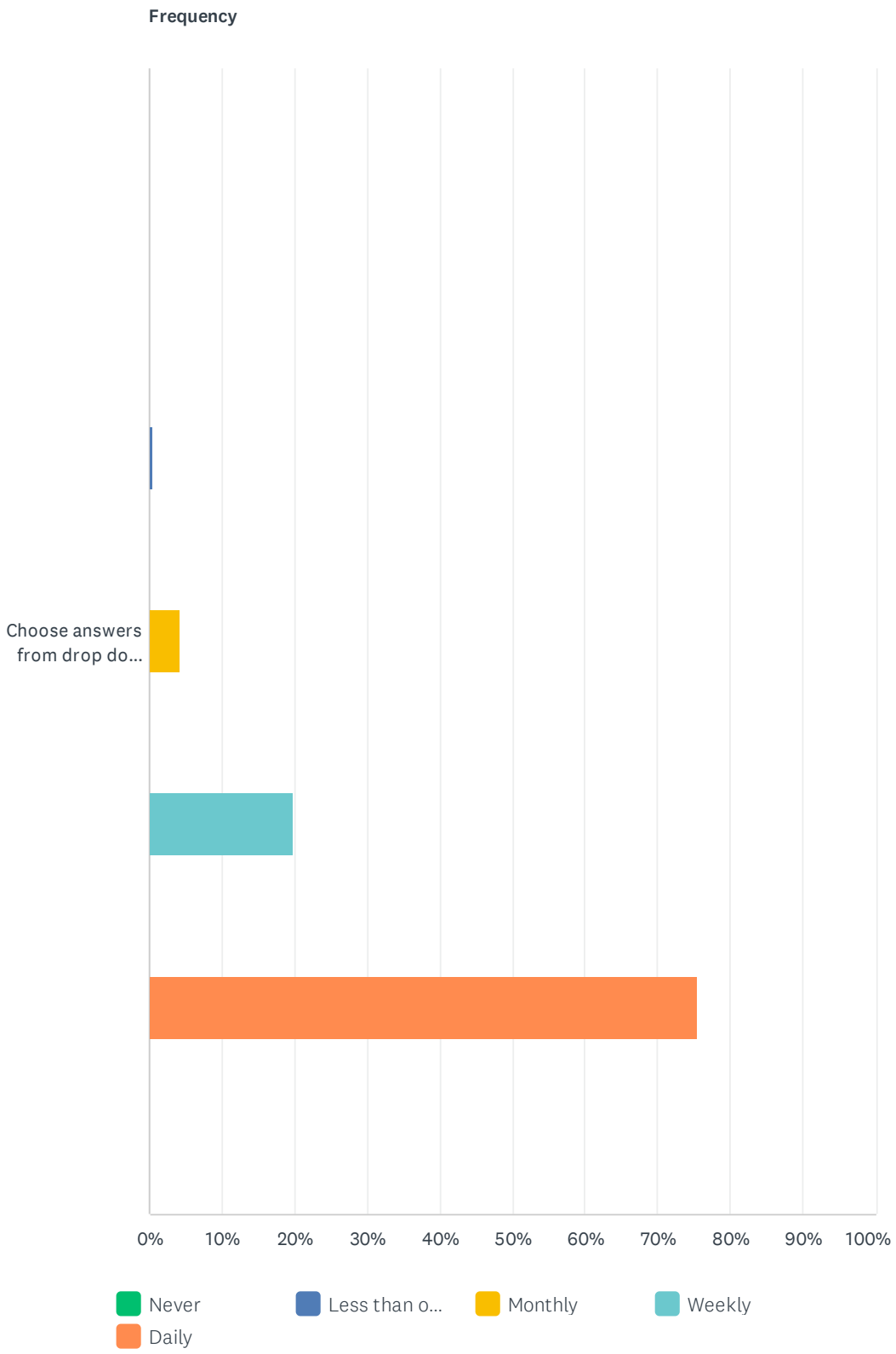

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.72%<br>4 | 2.58%<br>6 | 9.44%<br>22 | 23.18%<br>54 | 63.09%<br>147 | 233 |

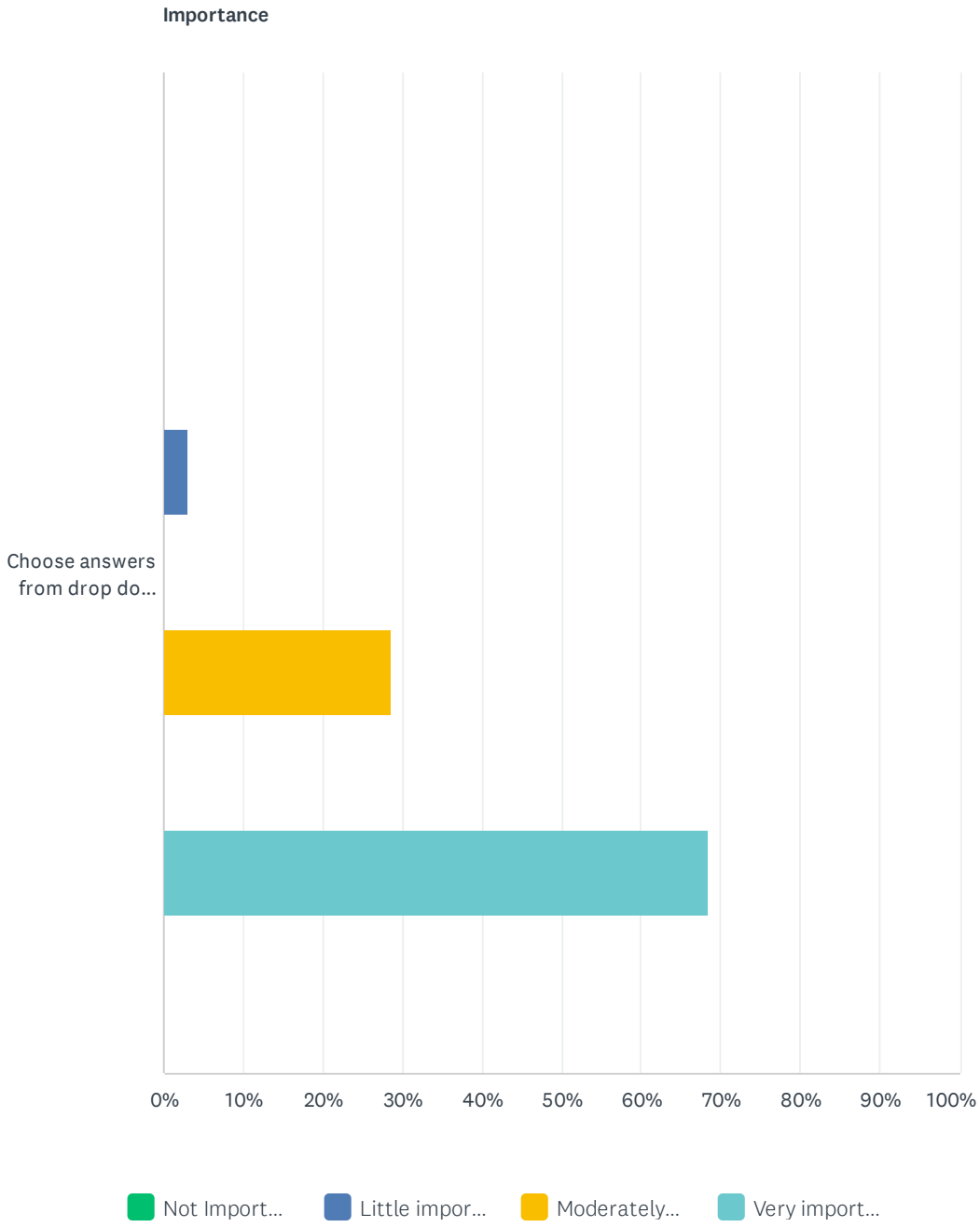
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.88%<br>2 | 8.37%<br>19 | 35.24%<br>80 | 55.51%<br>126 | 227 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 4.91%<br>11 | 20.09%<br>45 | 38.84%<br>87 | 36.16%<br>81 | <br>224 |

# Q126 3.5.4.3 Addressing pain physiology and dose response.

Answered: 234 Skipped: 976

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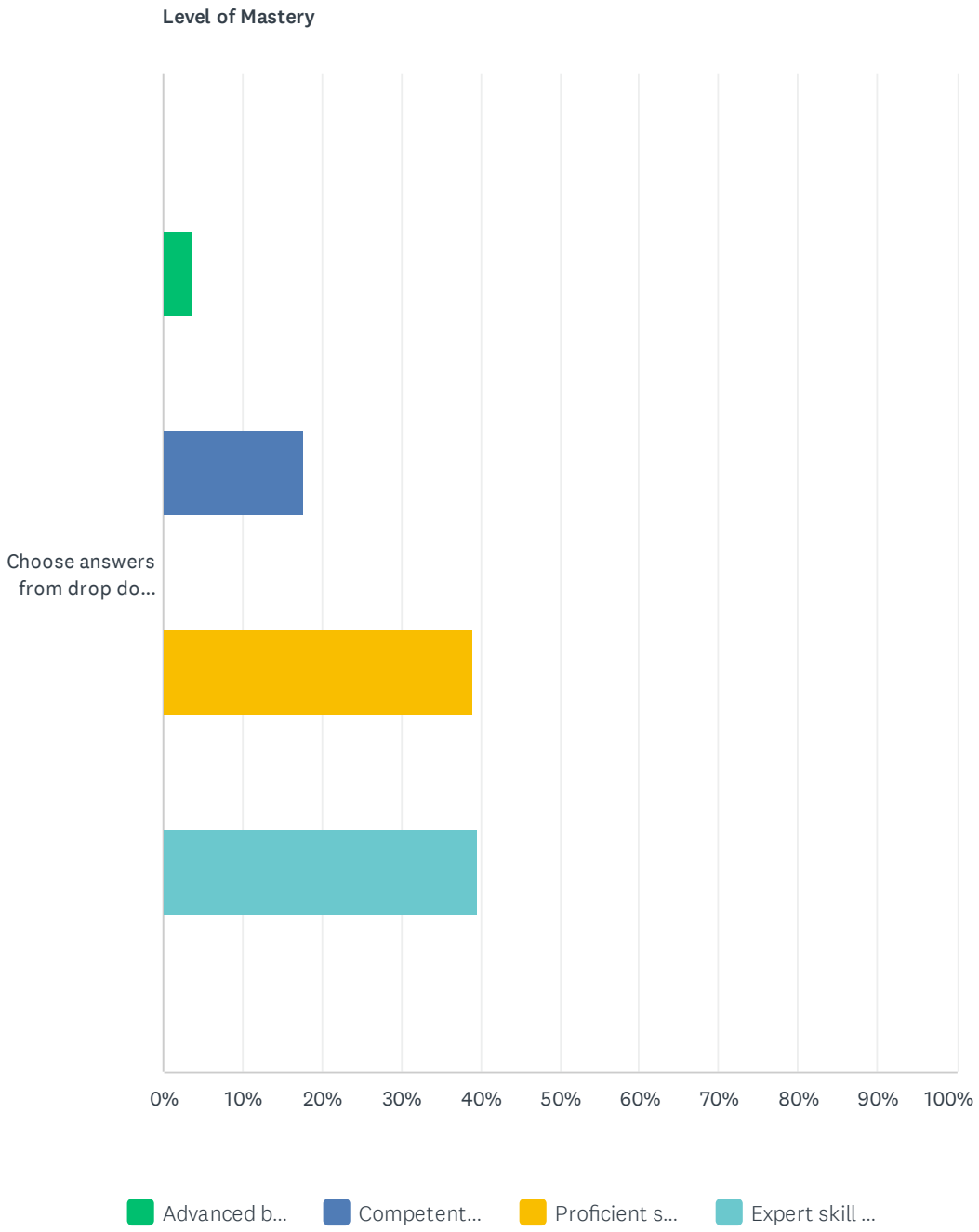


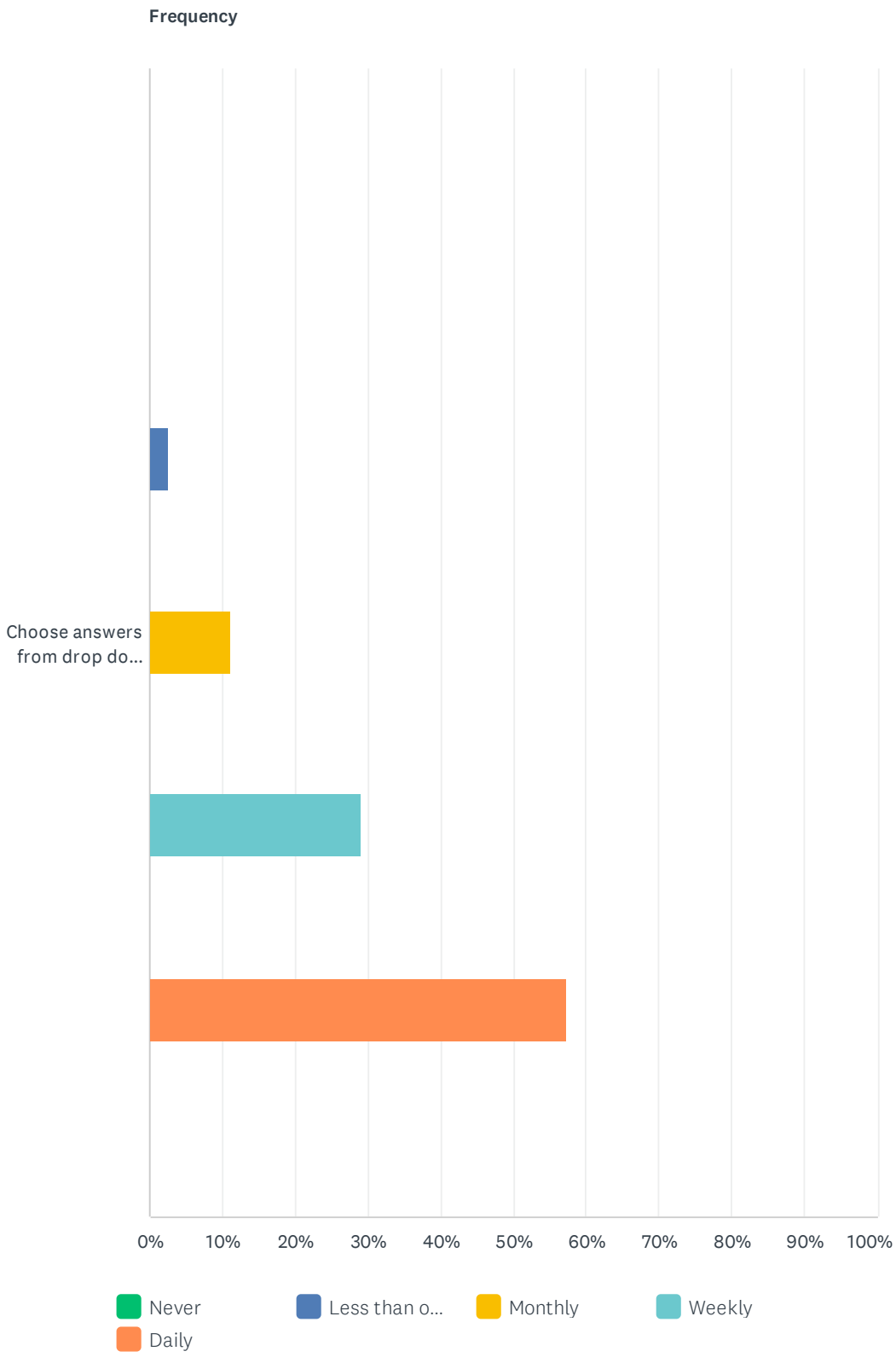

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.43%<br>1 | 4.29%<br>10 | 19.74%<br>46 | 75.54%<br>176 | 233 |

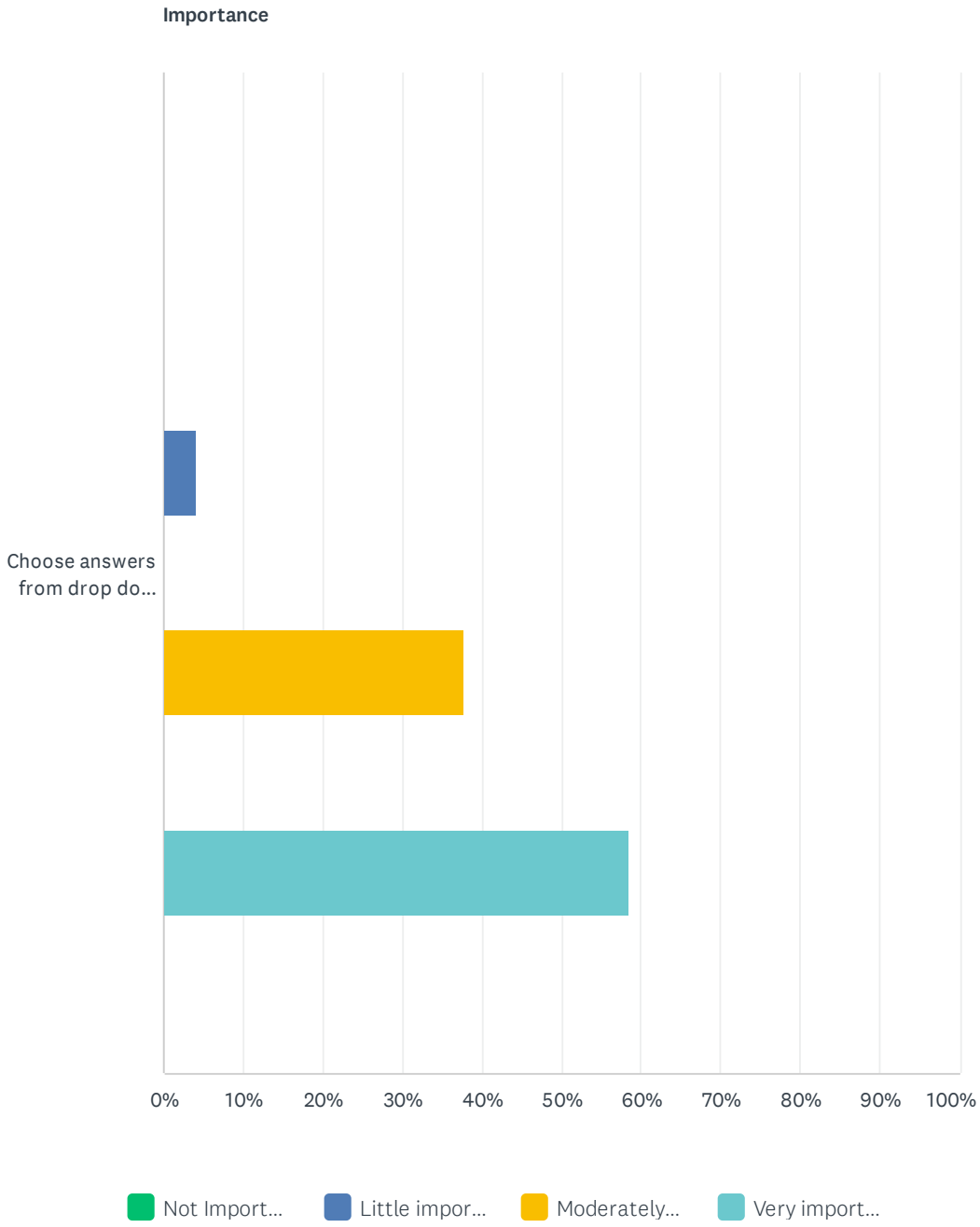
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 3.07%<br>7 | 28.51%<br>65 | 68.42%<br>156 | 228 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 3.56%<br>8 | 17.78%<br>40 | 39.11%<br>88 | 39.56%<br>89 | 225 |

# Q127 3.5.4.4 Addressing prevention and wellness.

Answered: 234 Skipped: 976

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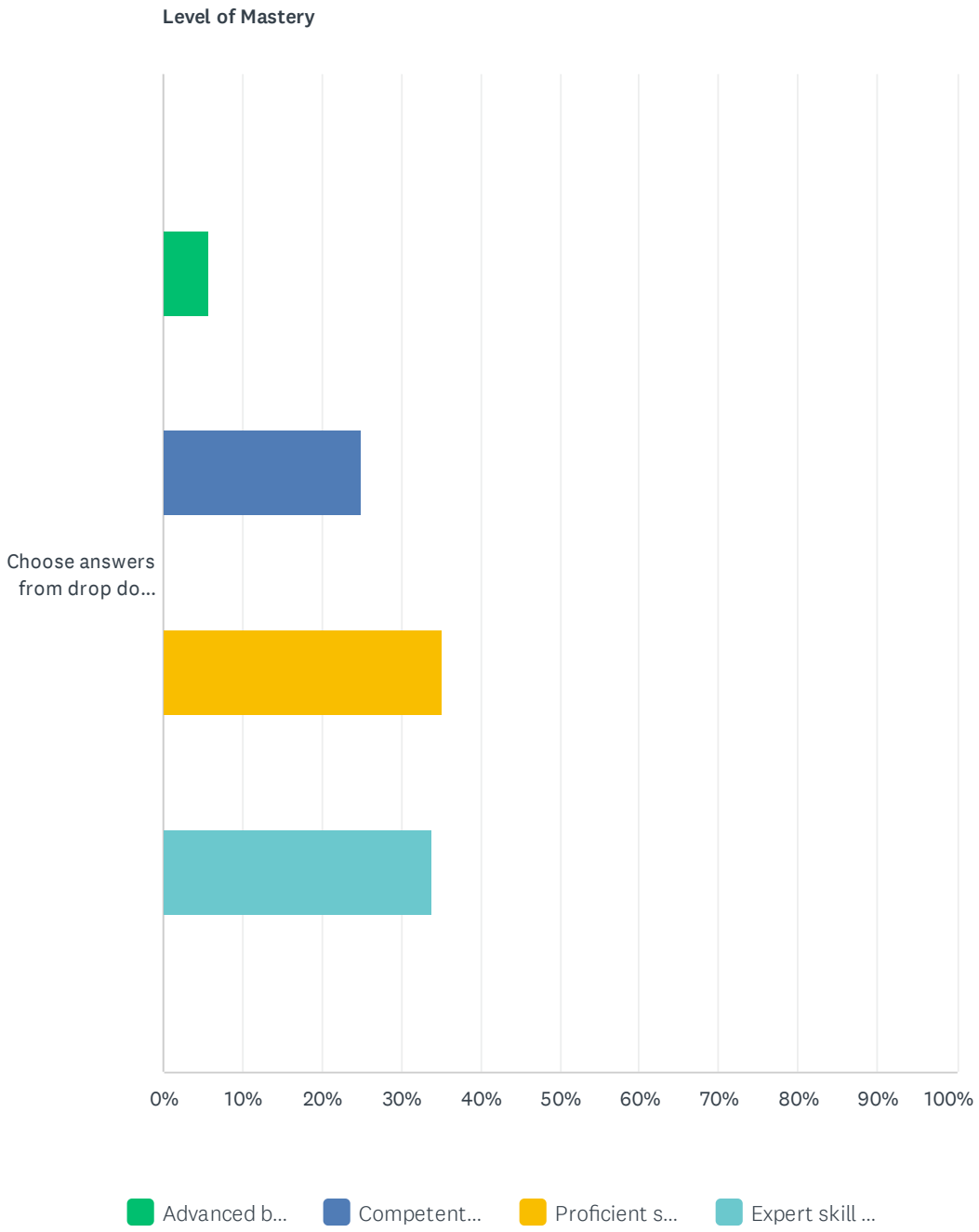


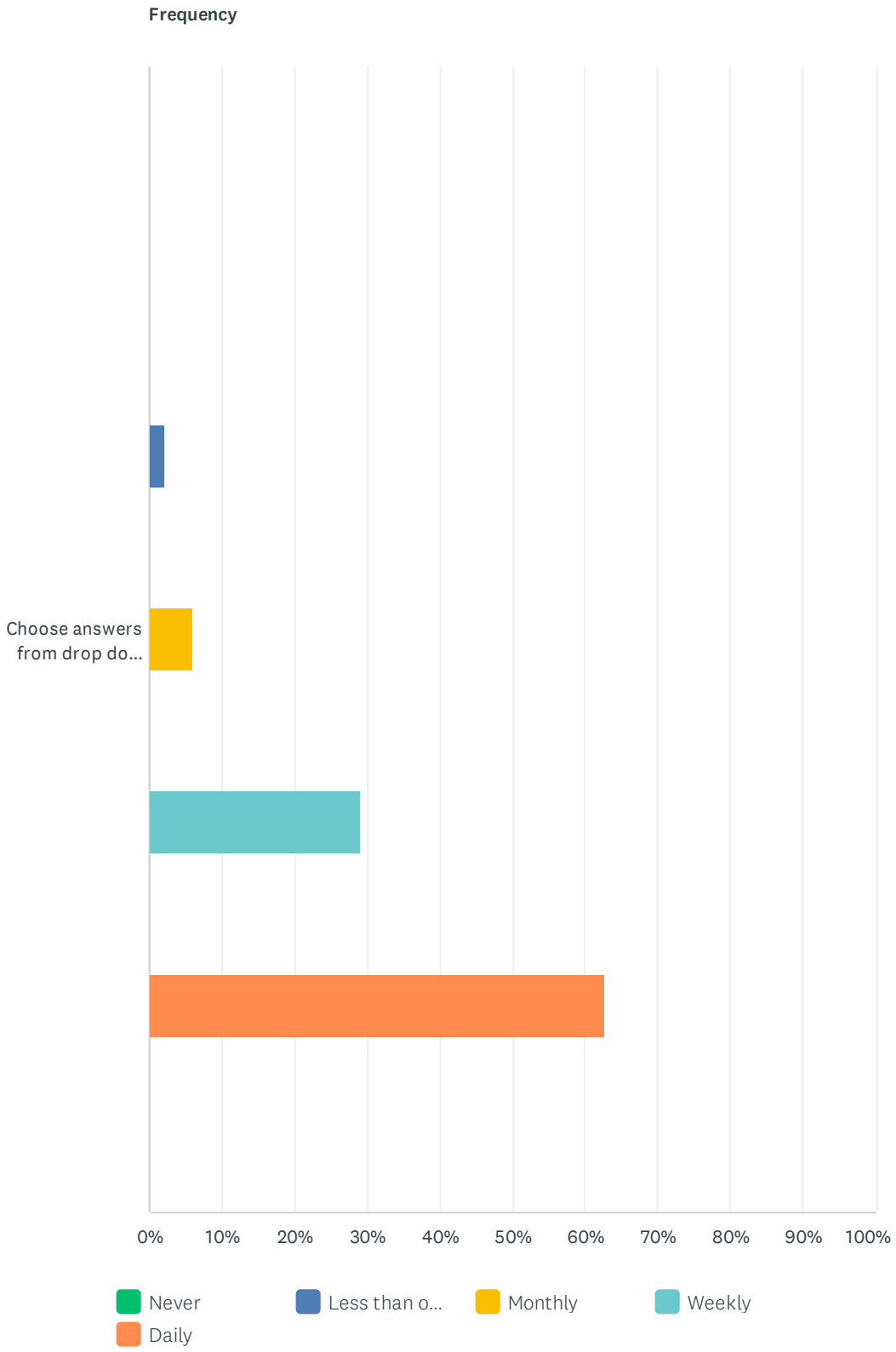

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 2.56%<br>6 | 11.11%<br>26 | 29.06%<br>68 | 57.26%<br>134 | 234 |

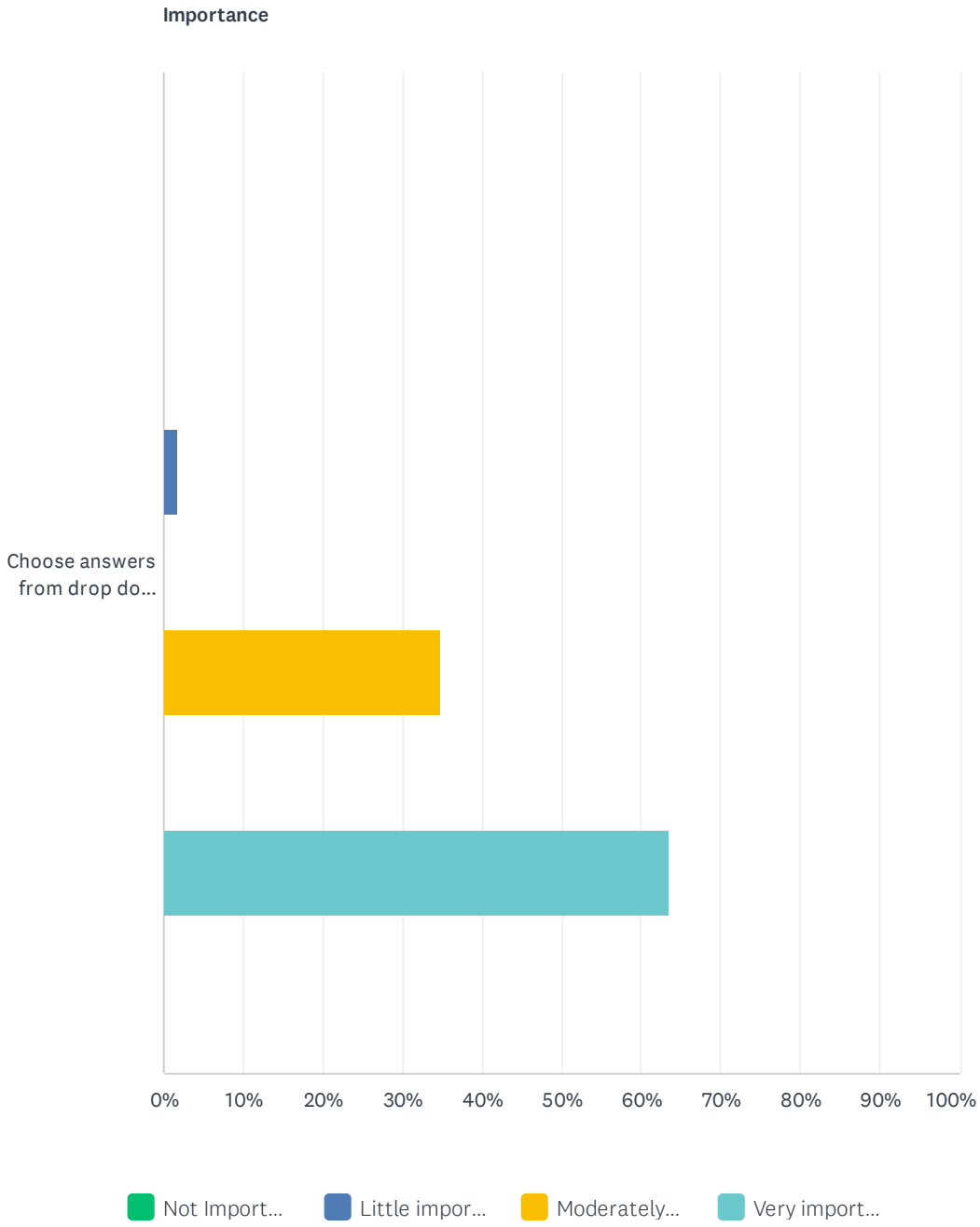
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 3.95%<br>9 | 37.72%<br>86 | 58.33%<br>133 | 228 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 5.80%<br>13 | 25.00%<br>56 | 35.27%<br>79 | 33.93%<br>76 | <br>224 |

# Q128 3.5.5 Injury prevention and wellness promotion (e.g., task adaptation, behavior modification, body mechanics).

Answered: 232 Skipped: 978

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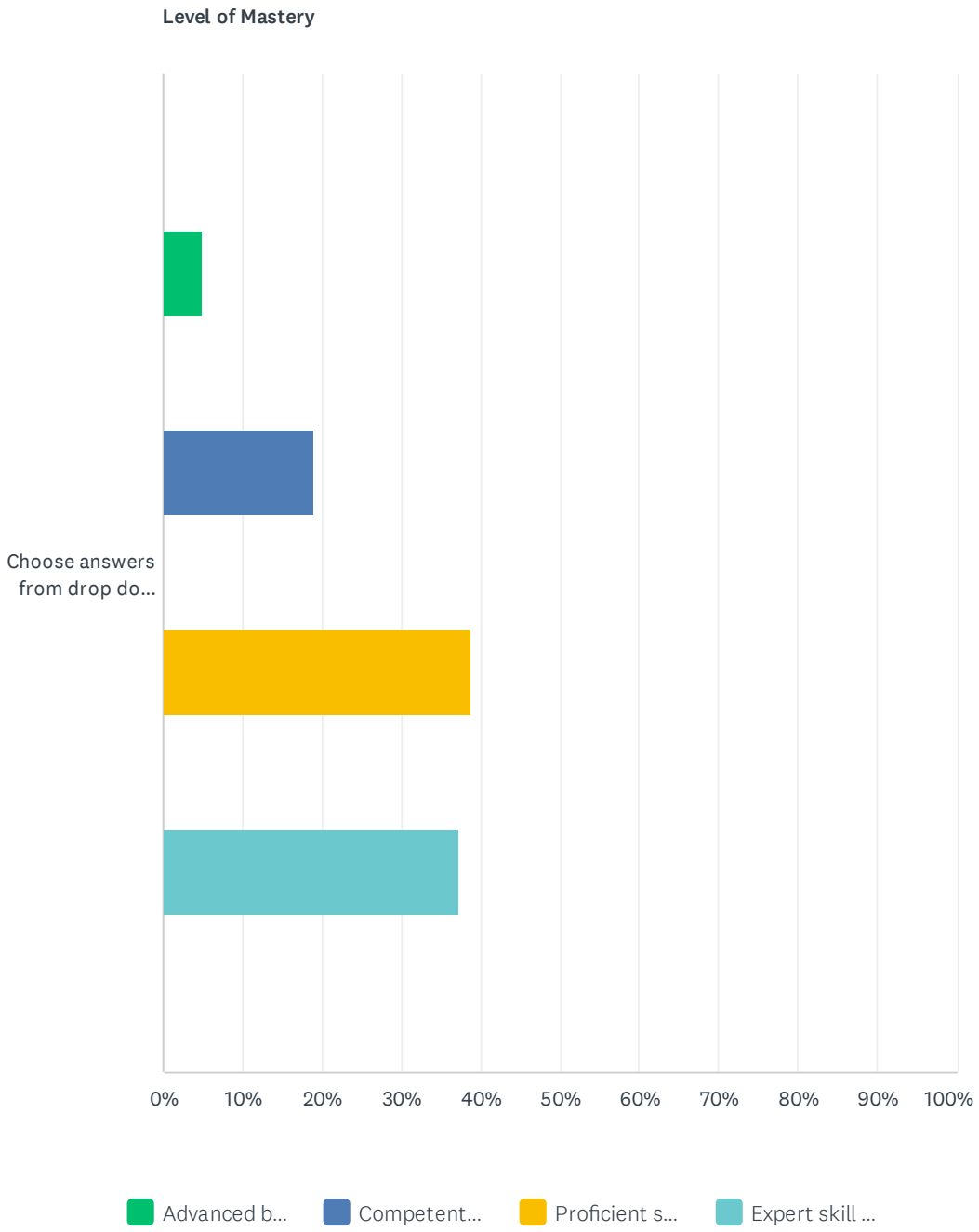


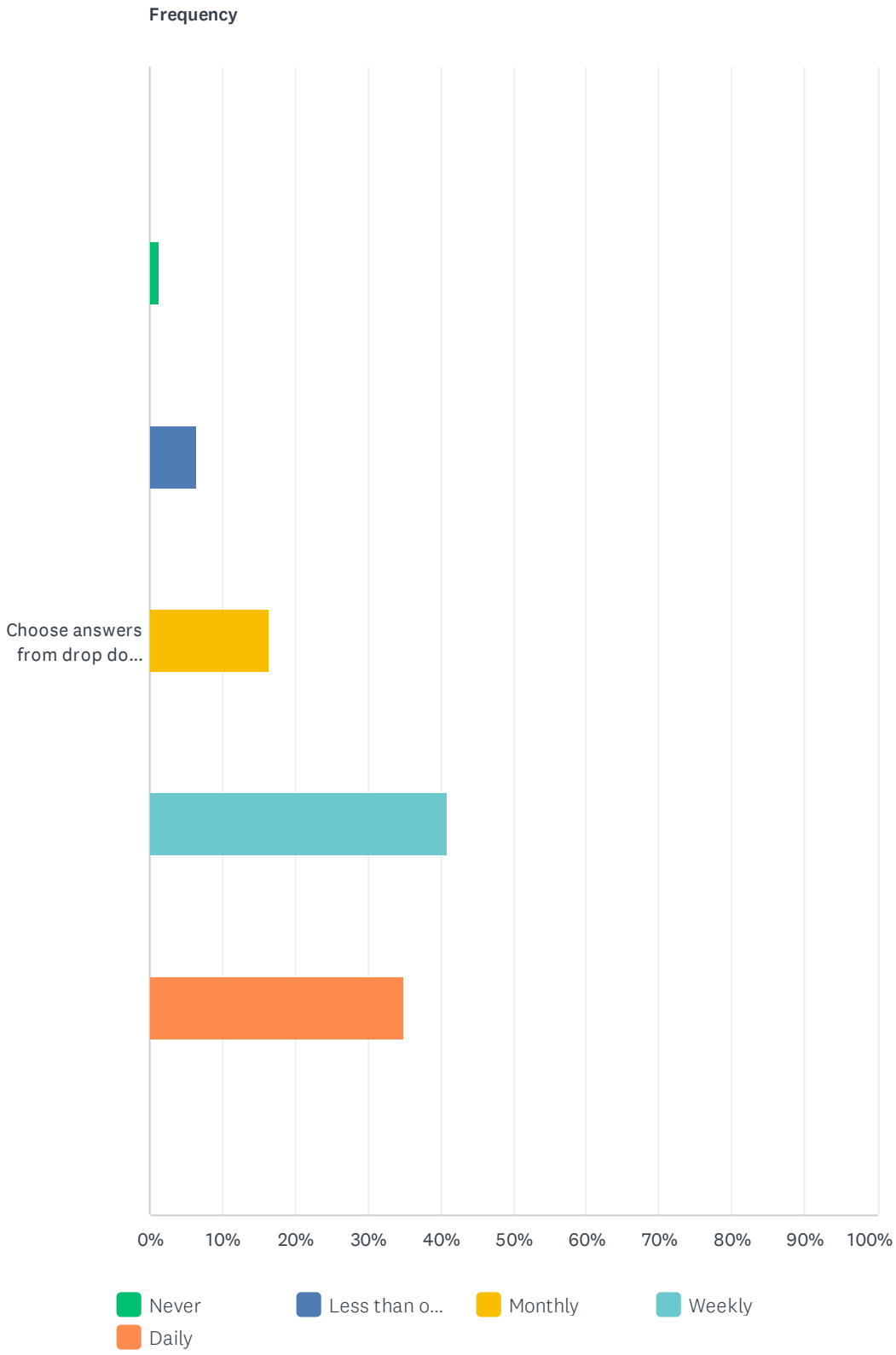

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 2.16%<br>5 | 6.06%<br>14 | 29.00%<br>67 | 62.77%<br>145 | 231 |

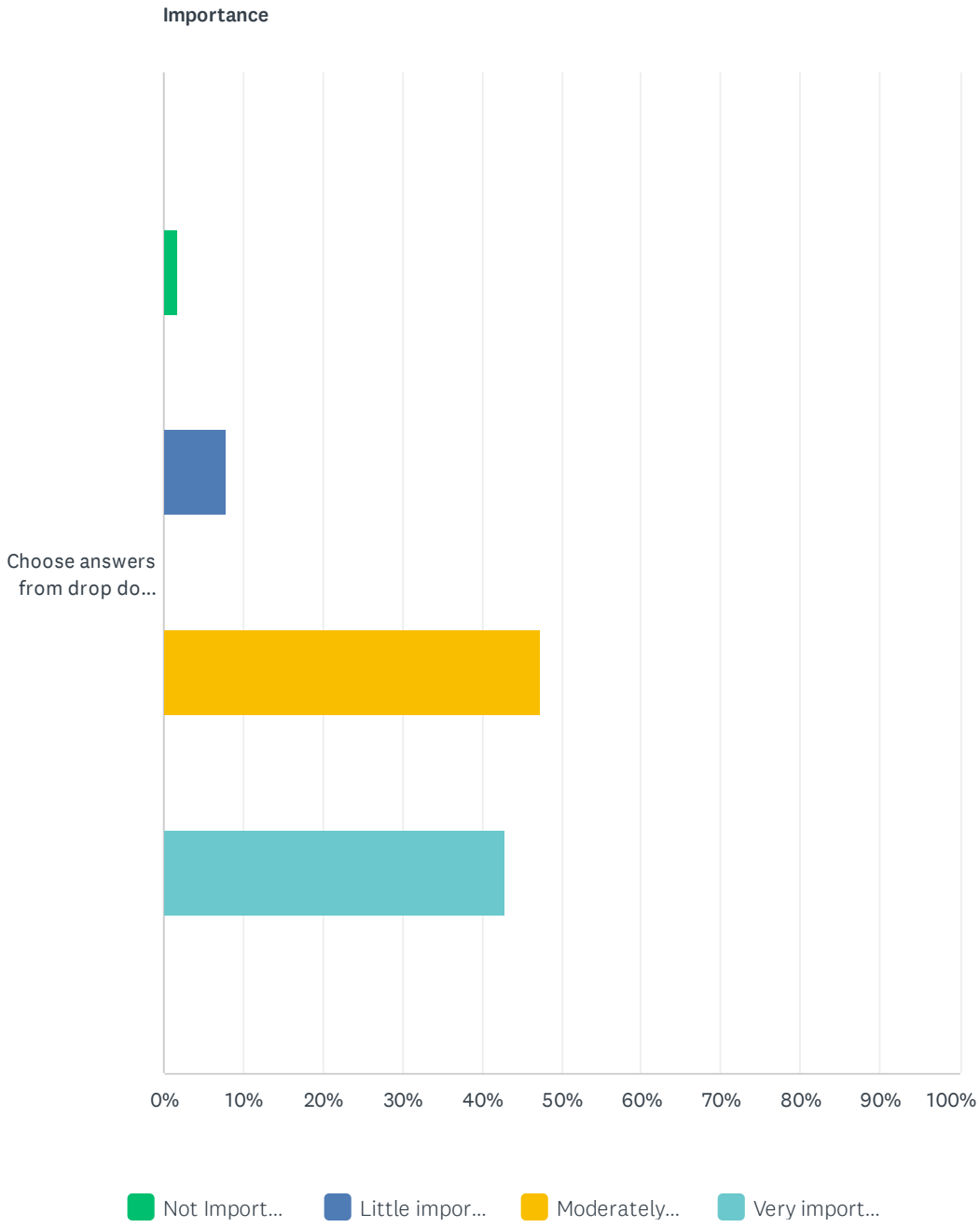
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.78%<br>4 | 34.67%<br>78 | 63.56%<br>143 | 225 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 4.95%<br>11 | 18.92%<br>42 | 38.74%<br>86 | 37.39%<br>83 | <br>222 |

# Q129 3.5.6 Sleep hygiene education (e.g., sleep schedules, technology usage, sleep habits, relationship between sleep and medication usage).

Answered: 232 Skipped: 978

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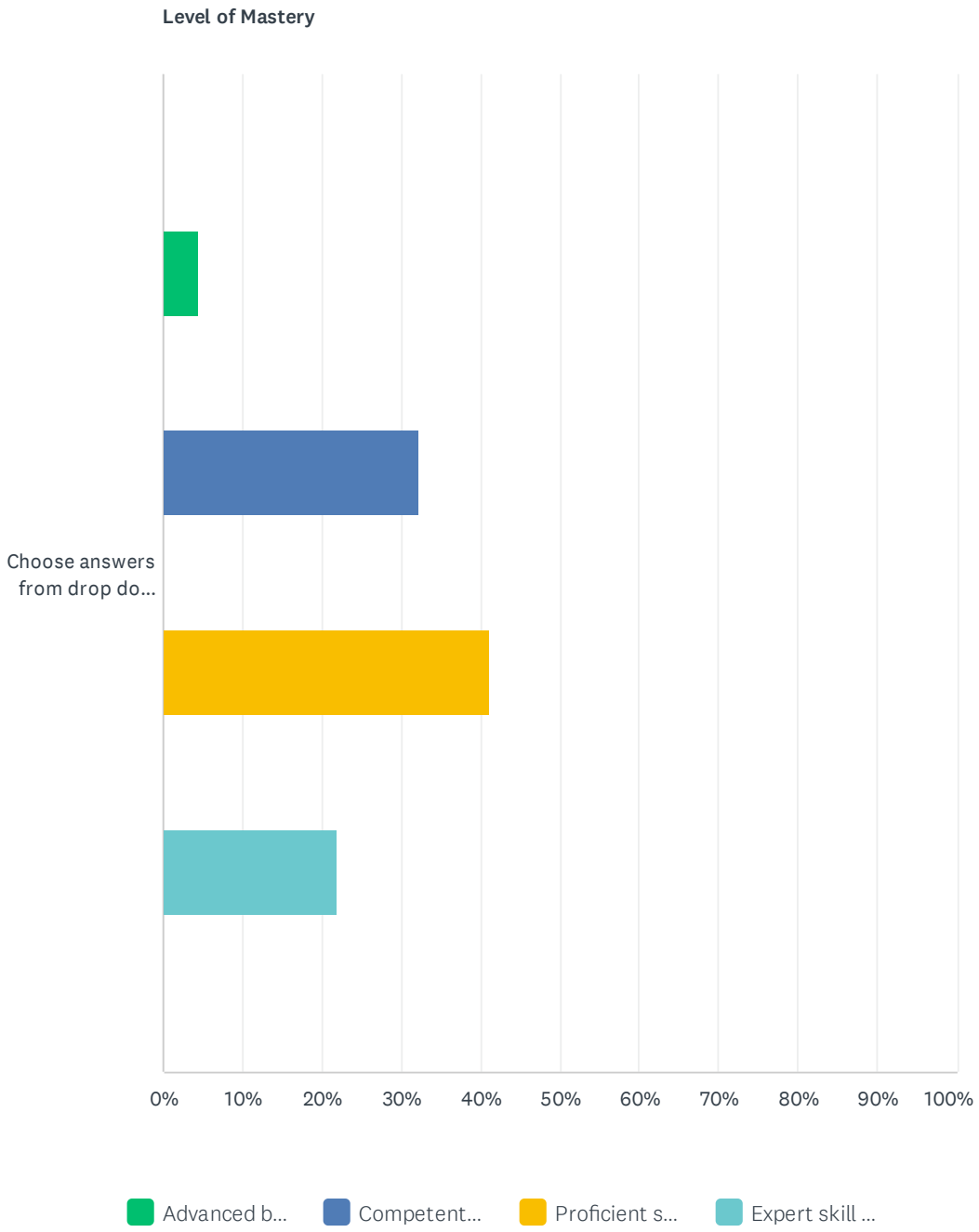


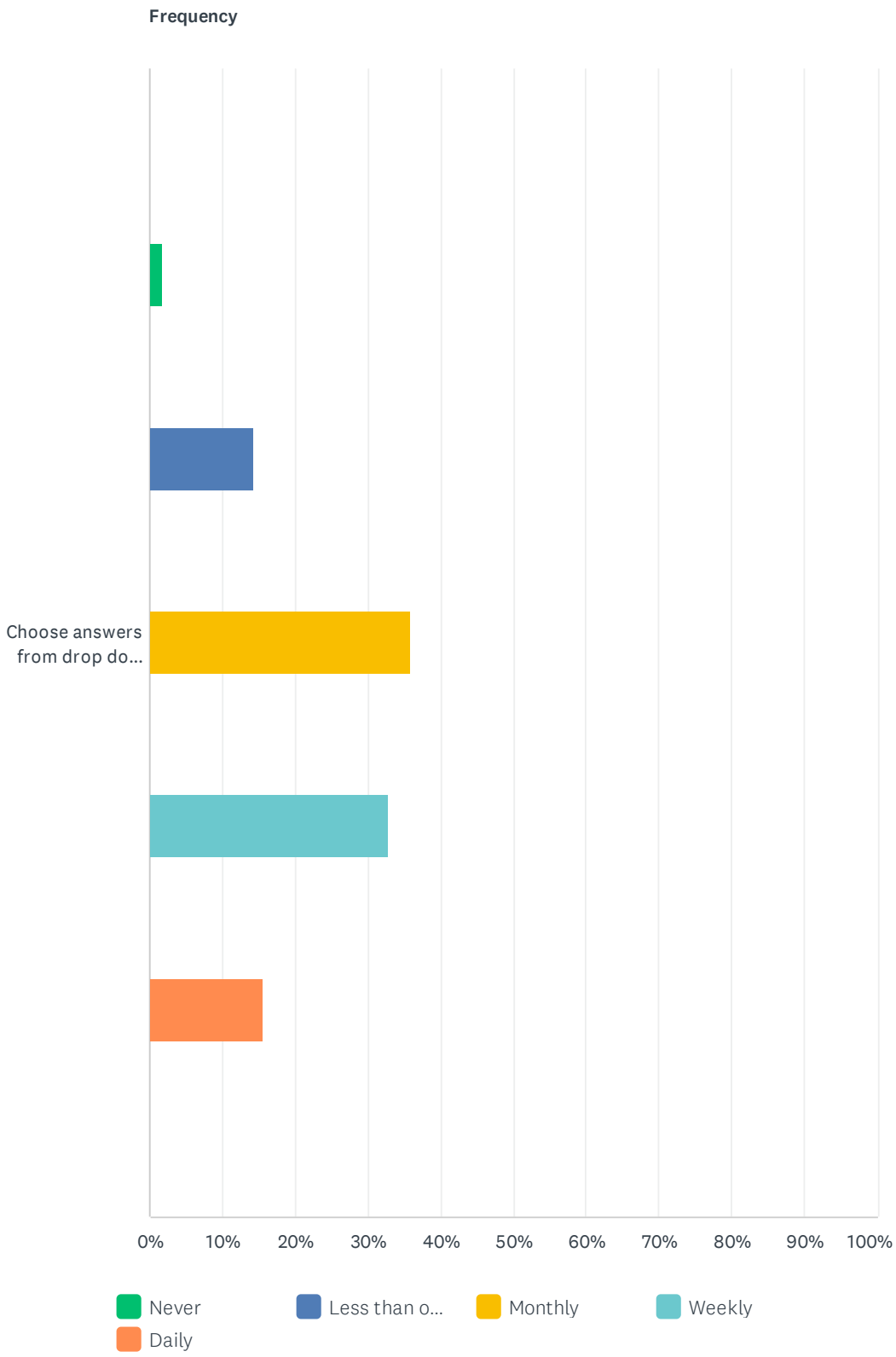

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.29%<br>3 | 6.47%<br>15 | 16.38%<br>38 | 40.95%<br>95 | 34.91%<br>81 | 232 |

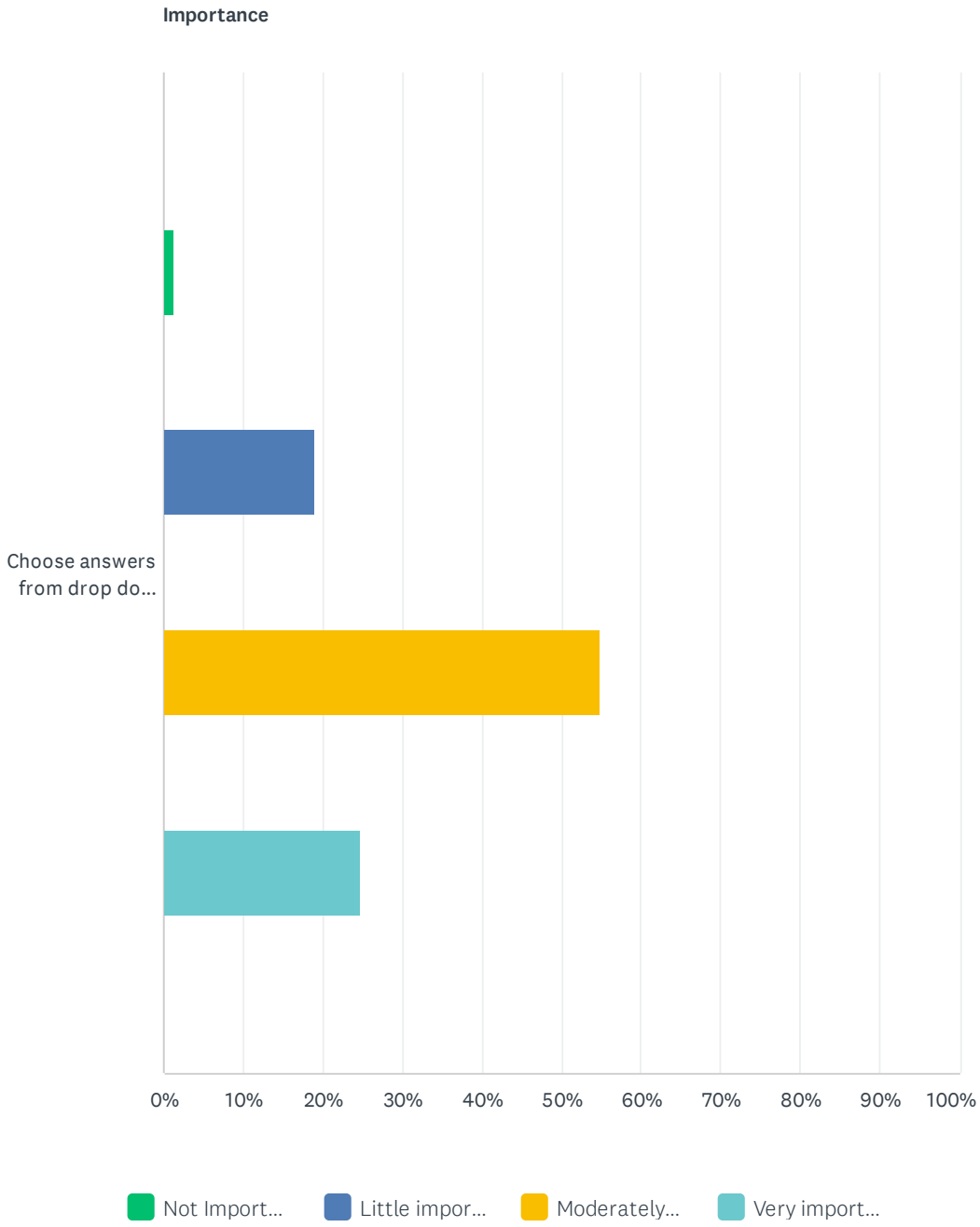
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.77%<br>4 | 7.96%<br>18 | 47.35%<br>107 | 42.92%<br>97 | 226 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 4.48%<br>10 | 32.29%<br>72 | 41.26%<br>92 | 21.97%<br>49 | <br>223 |

# Q130 3.5.7 Nutritional education.

Answered: 232 Skipped: 978

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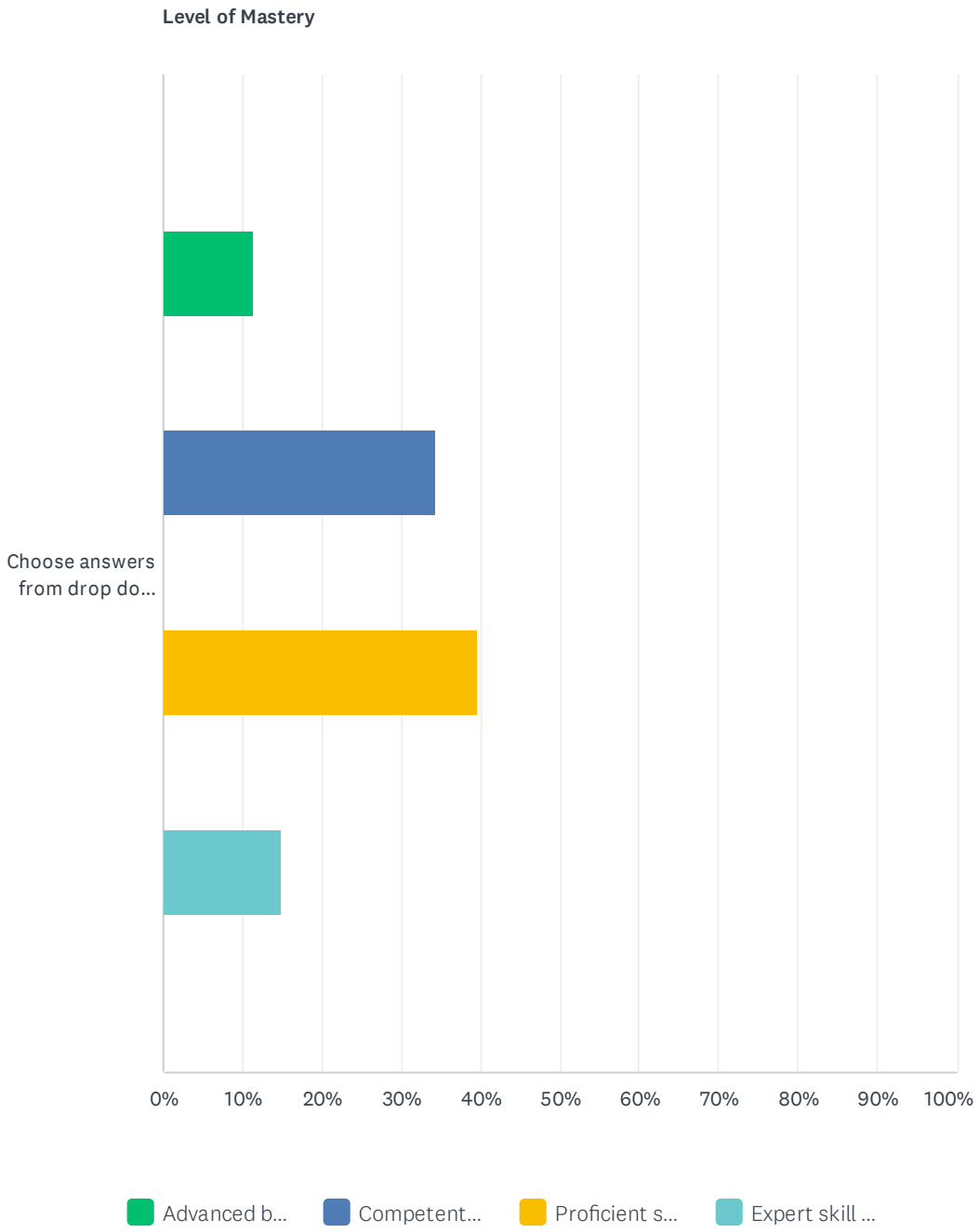


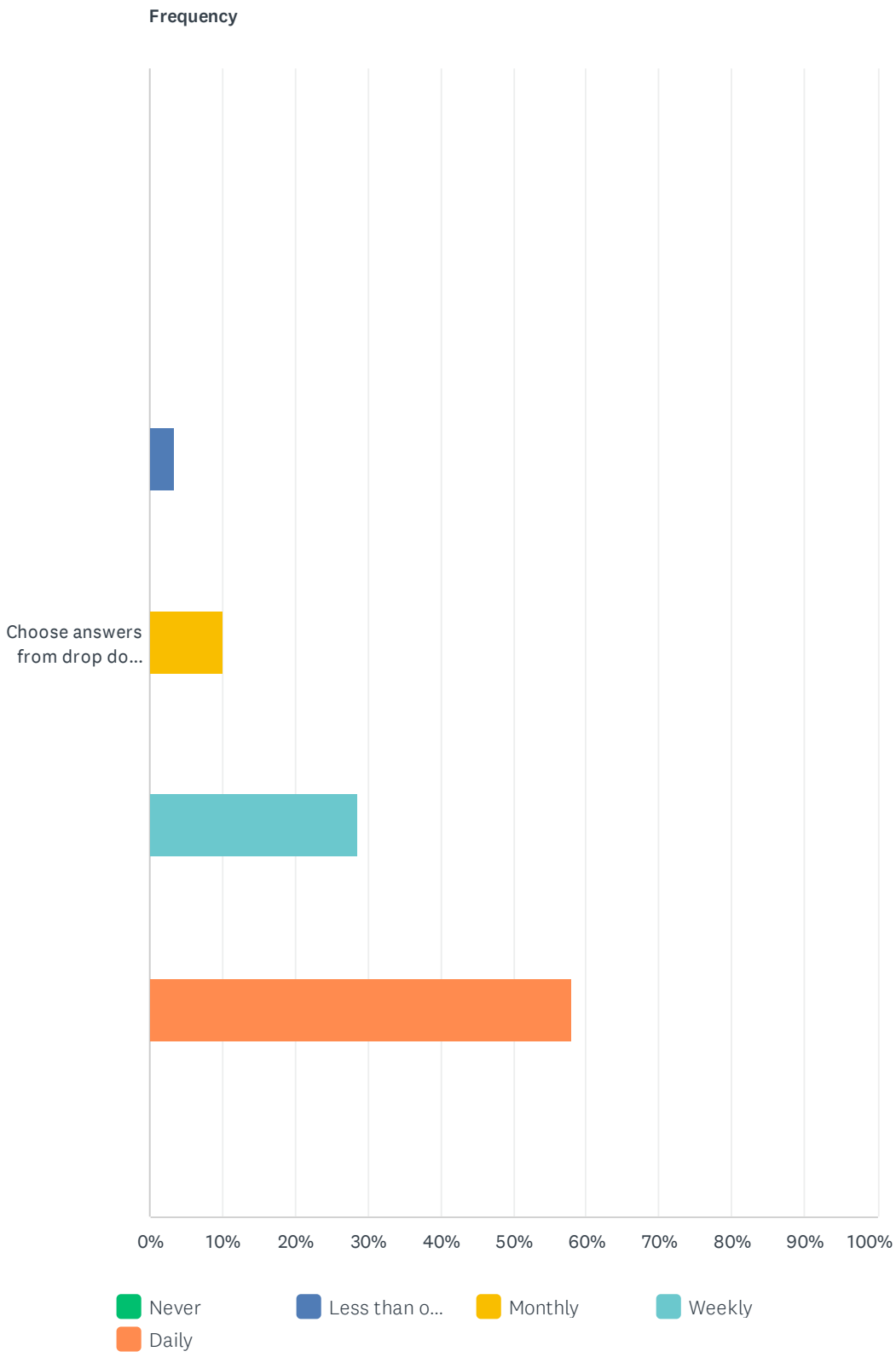

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.72%<br>4 | 14.22%<br>33 | 35.78%<br>83 | 32.76%<br>76 | 15.52%<br>36 | 232 |

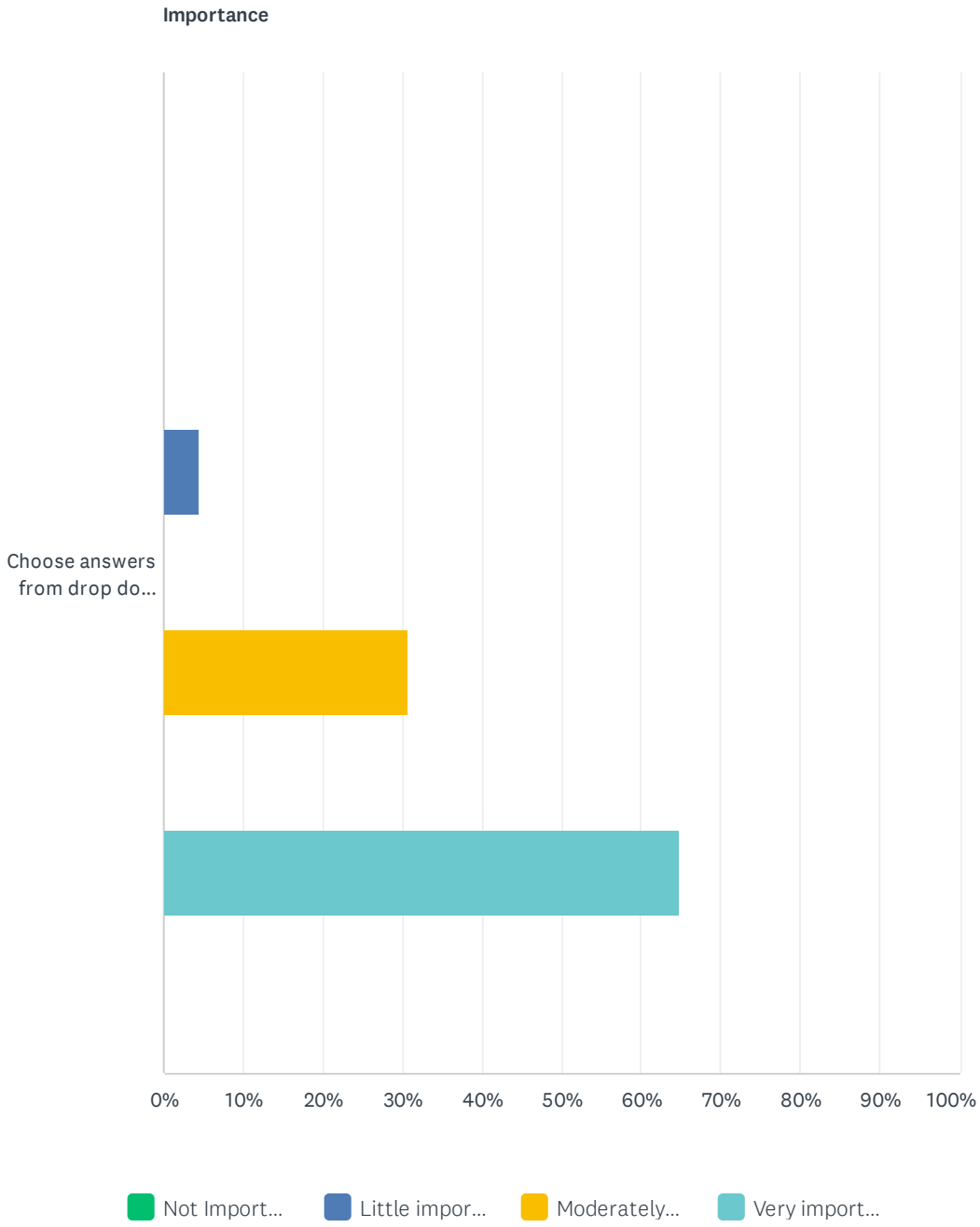
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.33%<br>3 | 19.03%<br>43 | 54.87%<br>124 | 24.78%<br>56 | 226 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 11.26%<br>25 | 34.23%<br>76 | 39.64%<br>88 | 14.86%<br>33 | <br>222 |

# Q131 3.5.8 Pain neuroscience education.

Answered: 232 Skipped: 978

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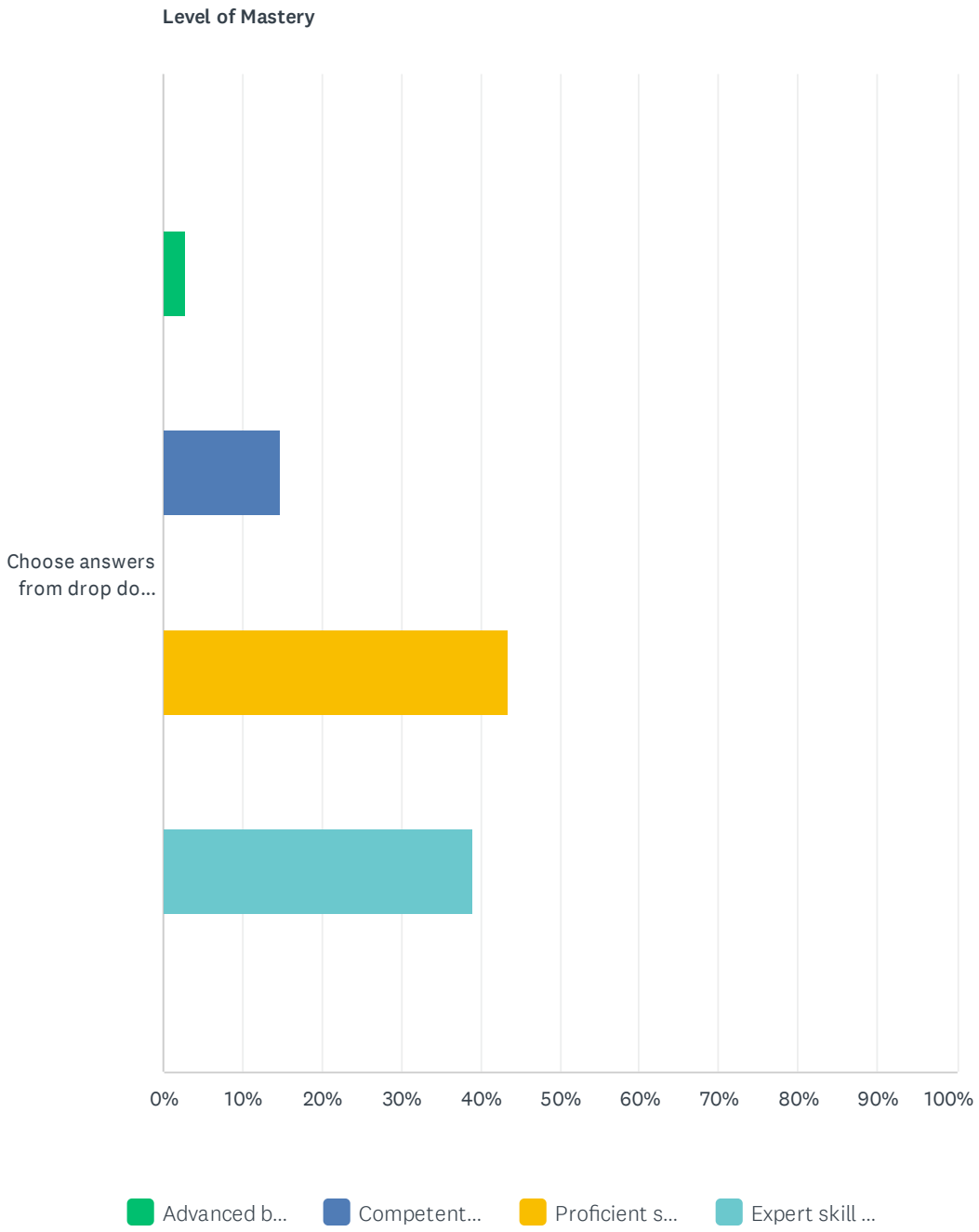


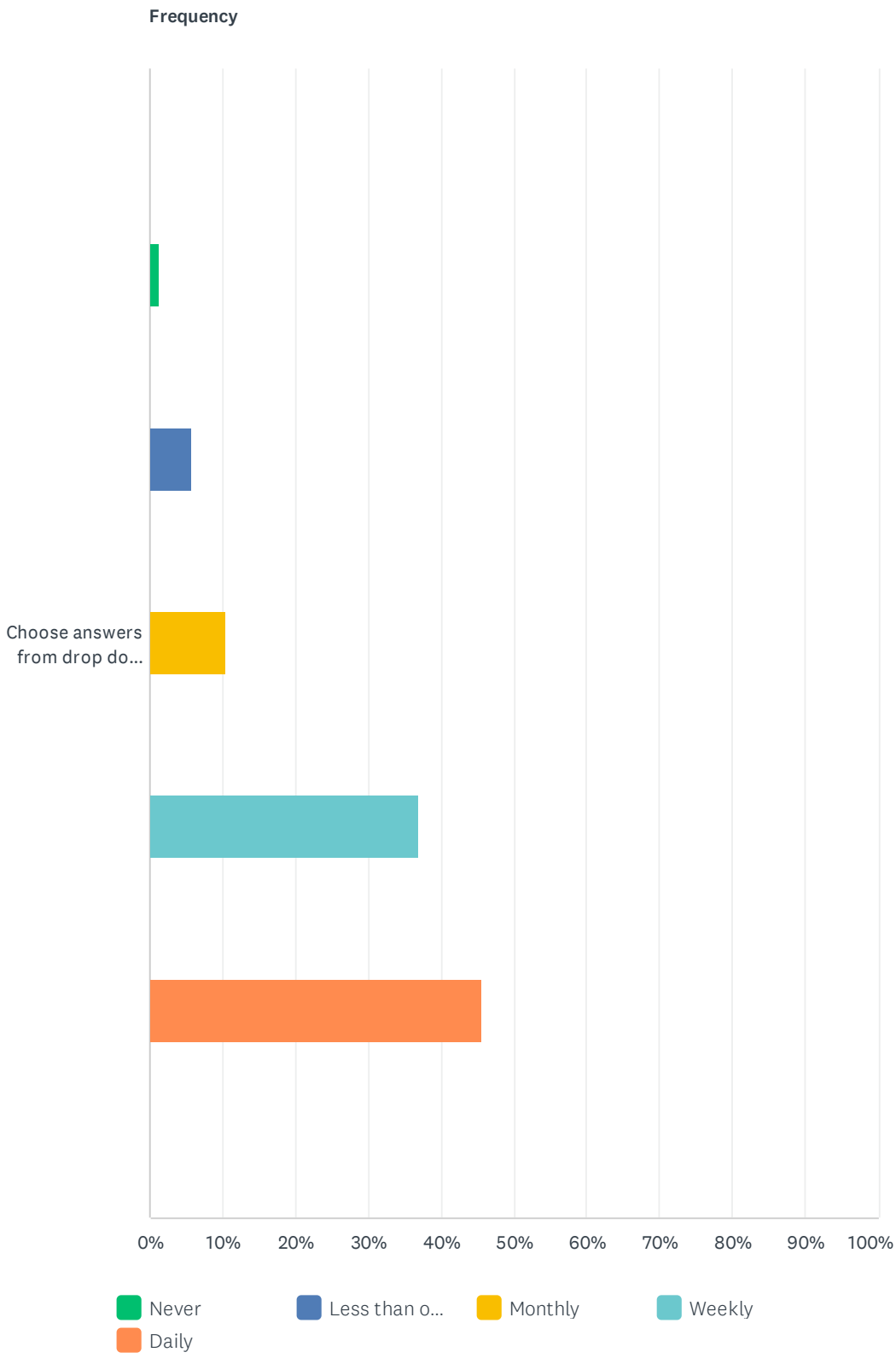

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 3.46%<br>8 | 9.96%<br>23 | 28.57%<br>66 | 58.01%<br>134 | 231 |

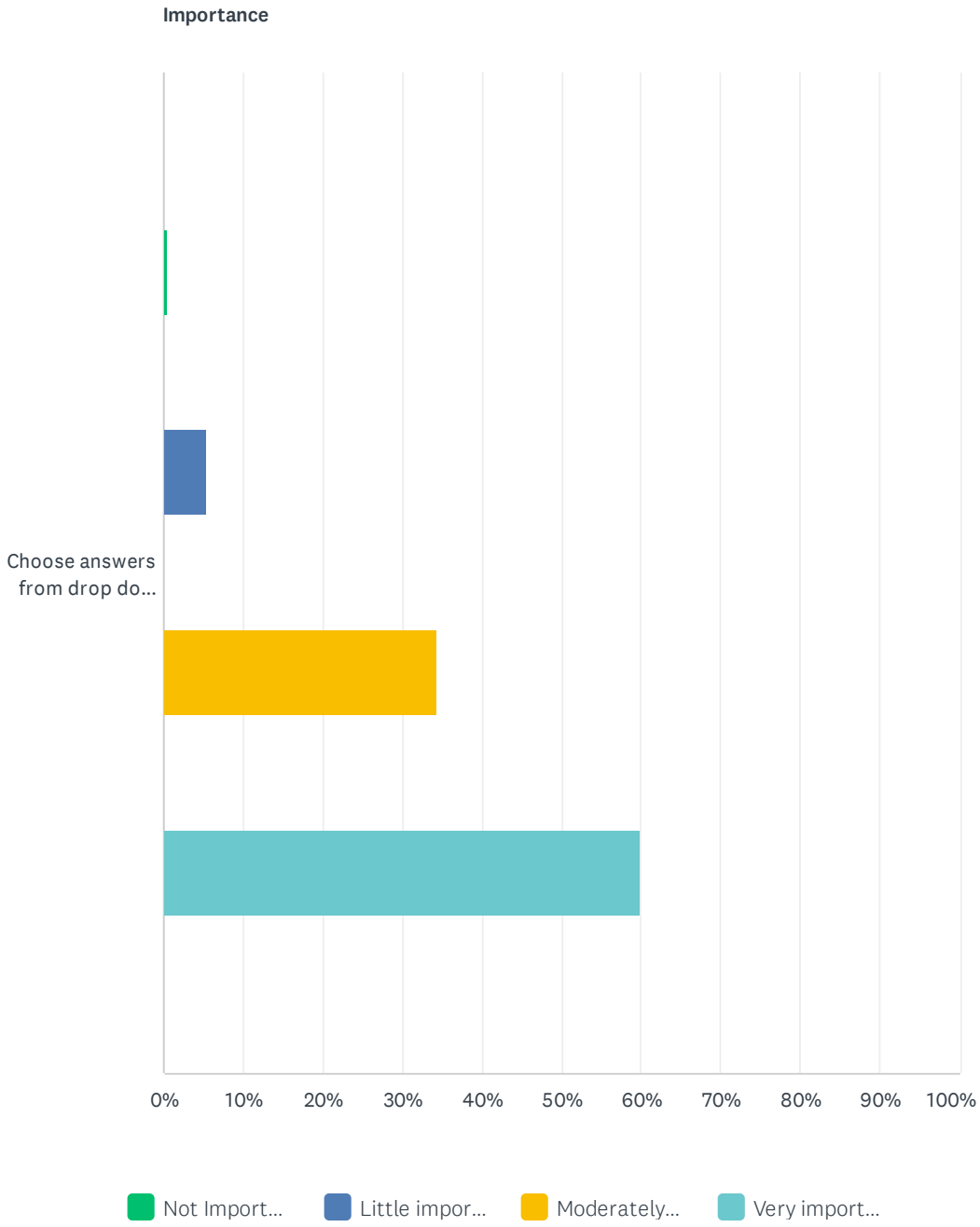
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 4.44%<br>10 | 30.67%<br>69 | 64.89%<br>146 | 225 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 2.69%<br>6 | 14.80%<br>33 | 43.50%<br>97 | 39.01%<br>87 | <br>223 |

# Q132 3.5.9 Graded exposure.

Answered: 230 Skipped: 980

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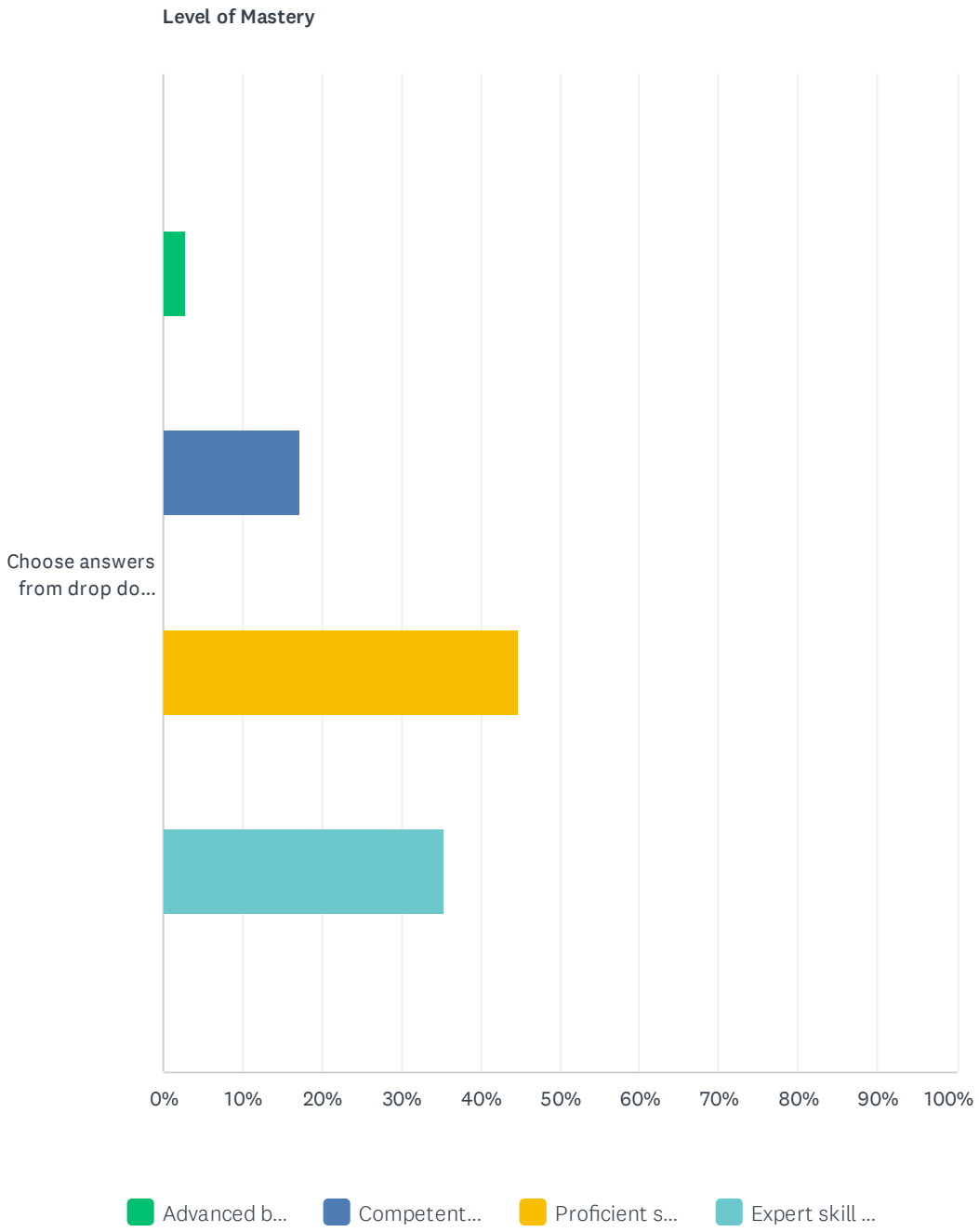


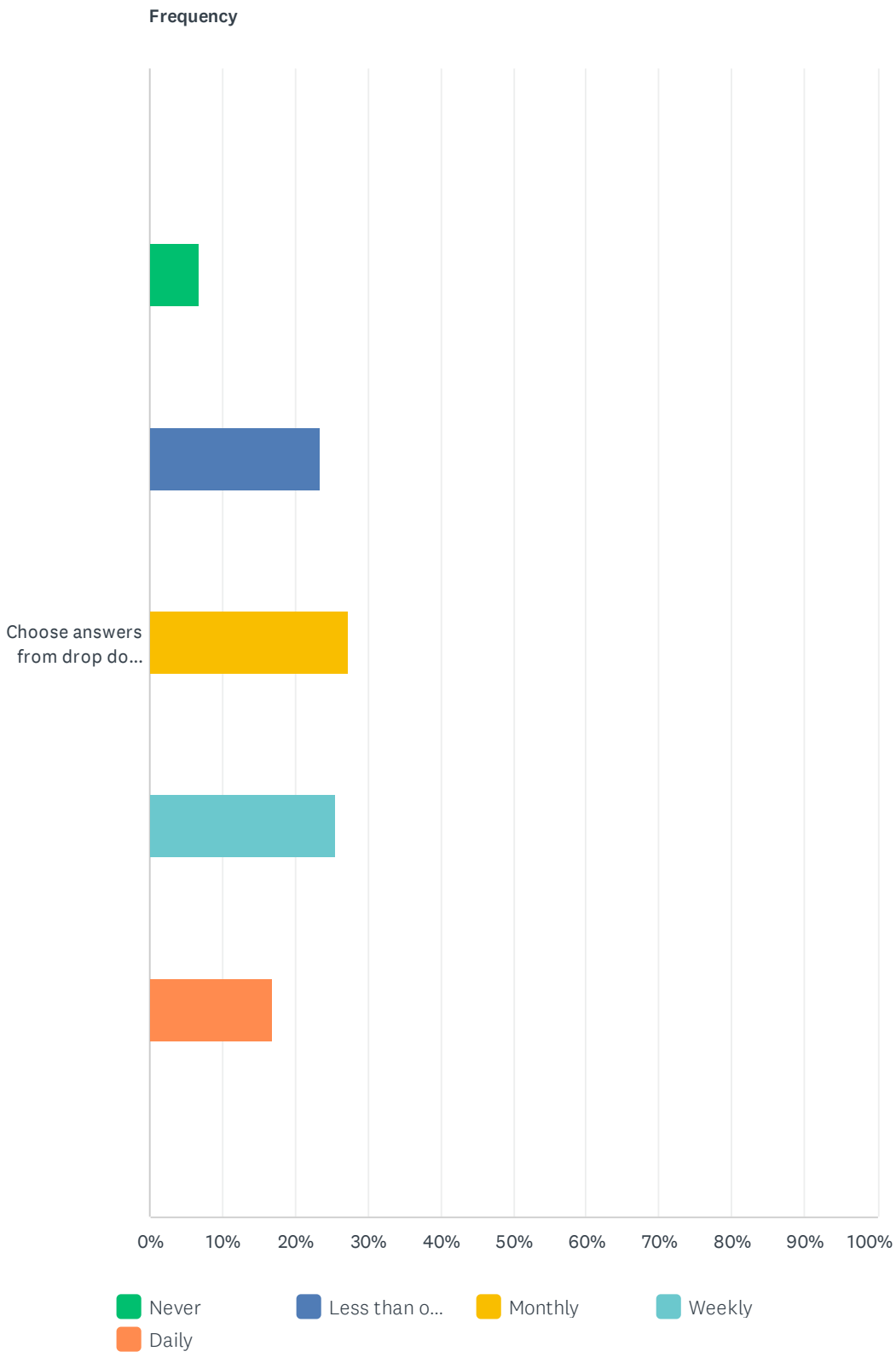

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.30%<br>3 | 5.65%<br>13 | 10.43%<br>24 | 36.96%<br>85 | 45.65%<br>105 | 230 |

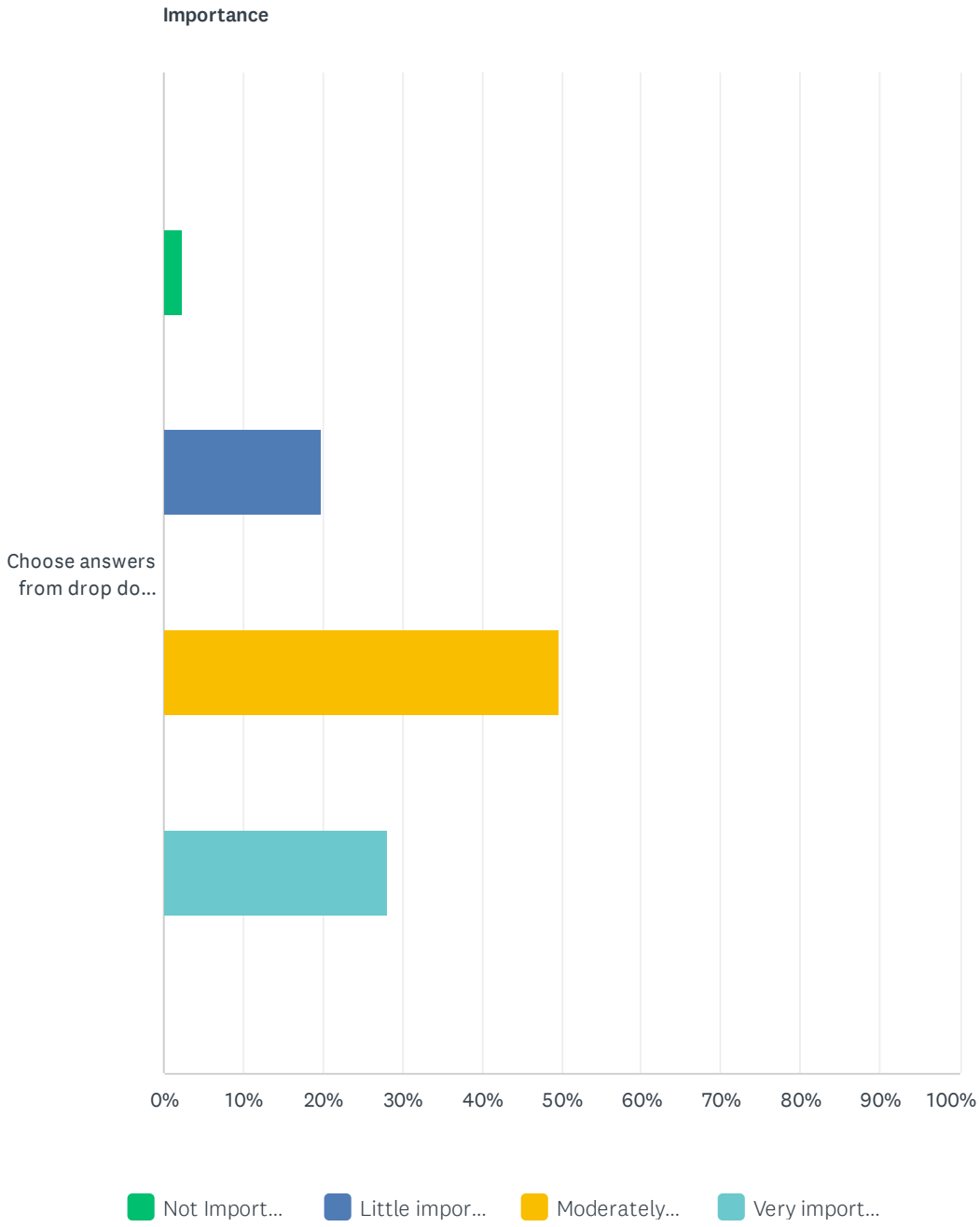
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.45%<br>1 | 5.36%<br>12 | 34.38%<br>77 | 59.82%<br>134 | 224 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 2.71%<br>6 | 17.19%<br>38 | 44.80%<br>99 | 35.29%<br>78 | <br>221 |

# Q133 3.5.10 Graded motor imagery.

Answered: 231 Skipped: 979

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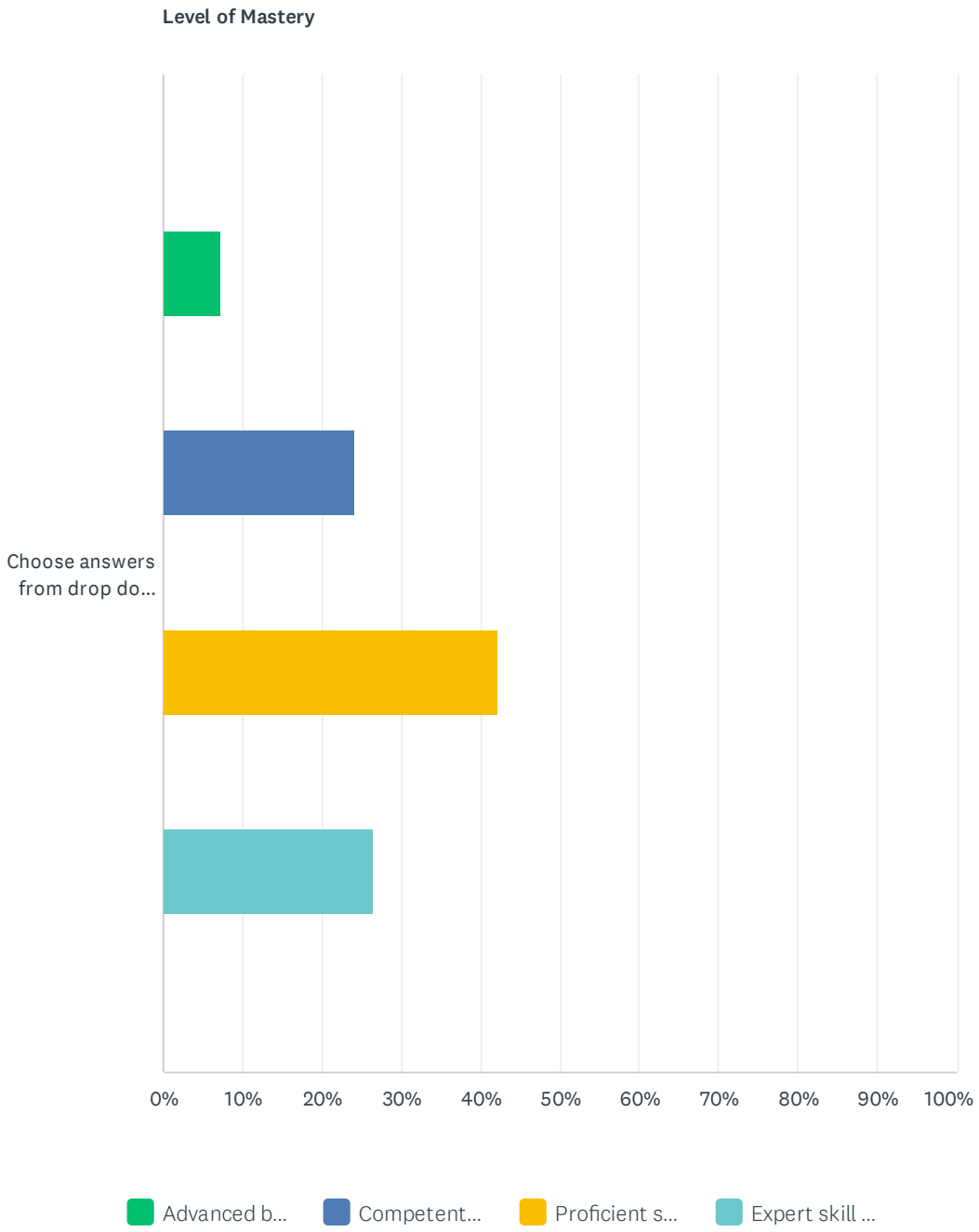


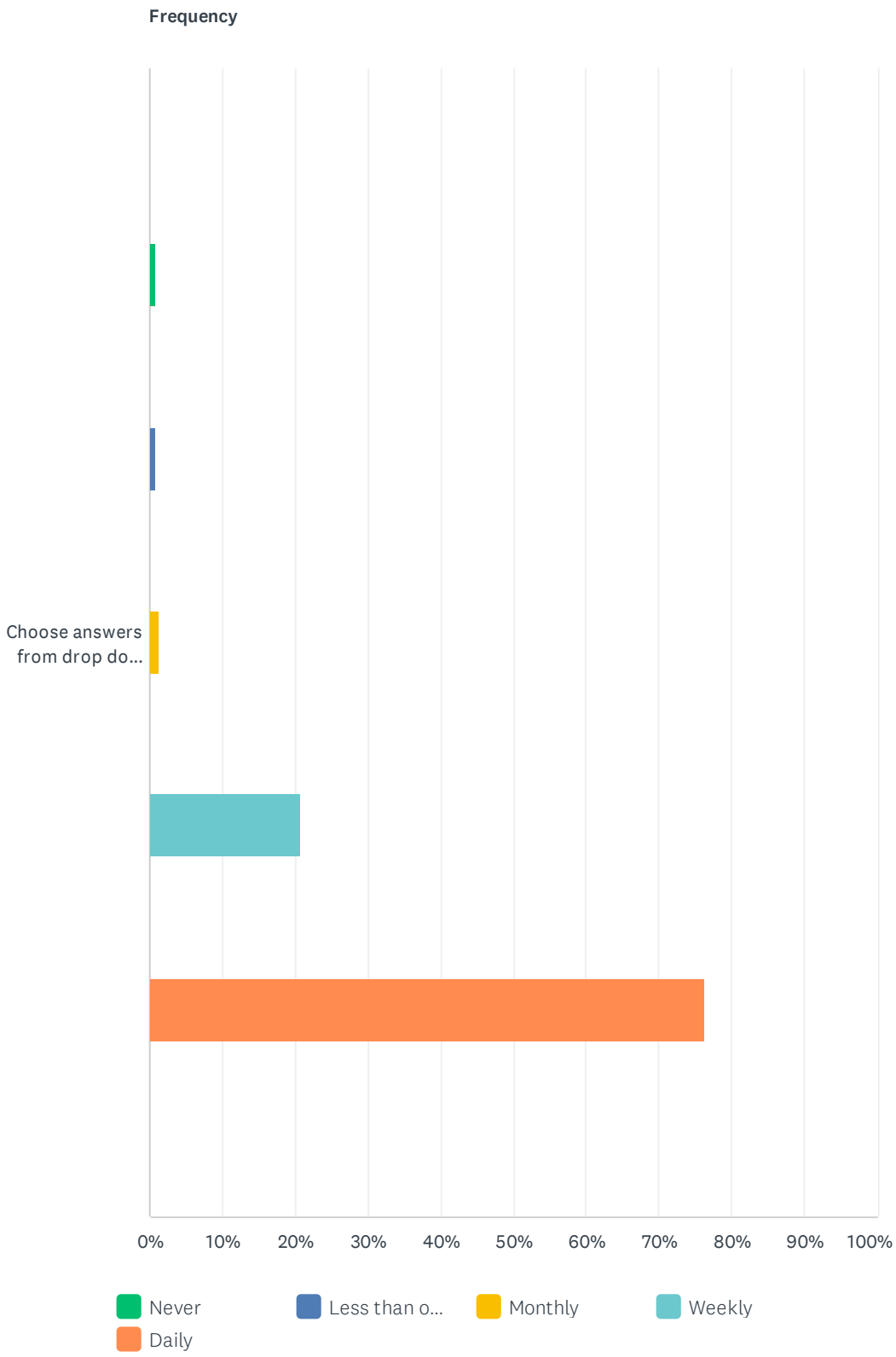

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 6.93%<br>16 | 23.38%<br>54 | 27.27%<br>63 | 25.54%<br>59 | 16.88%<br>39 | 231 |

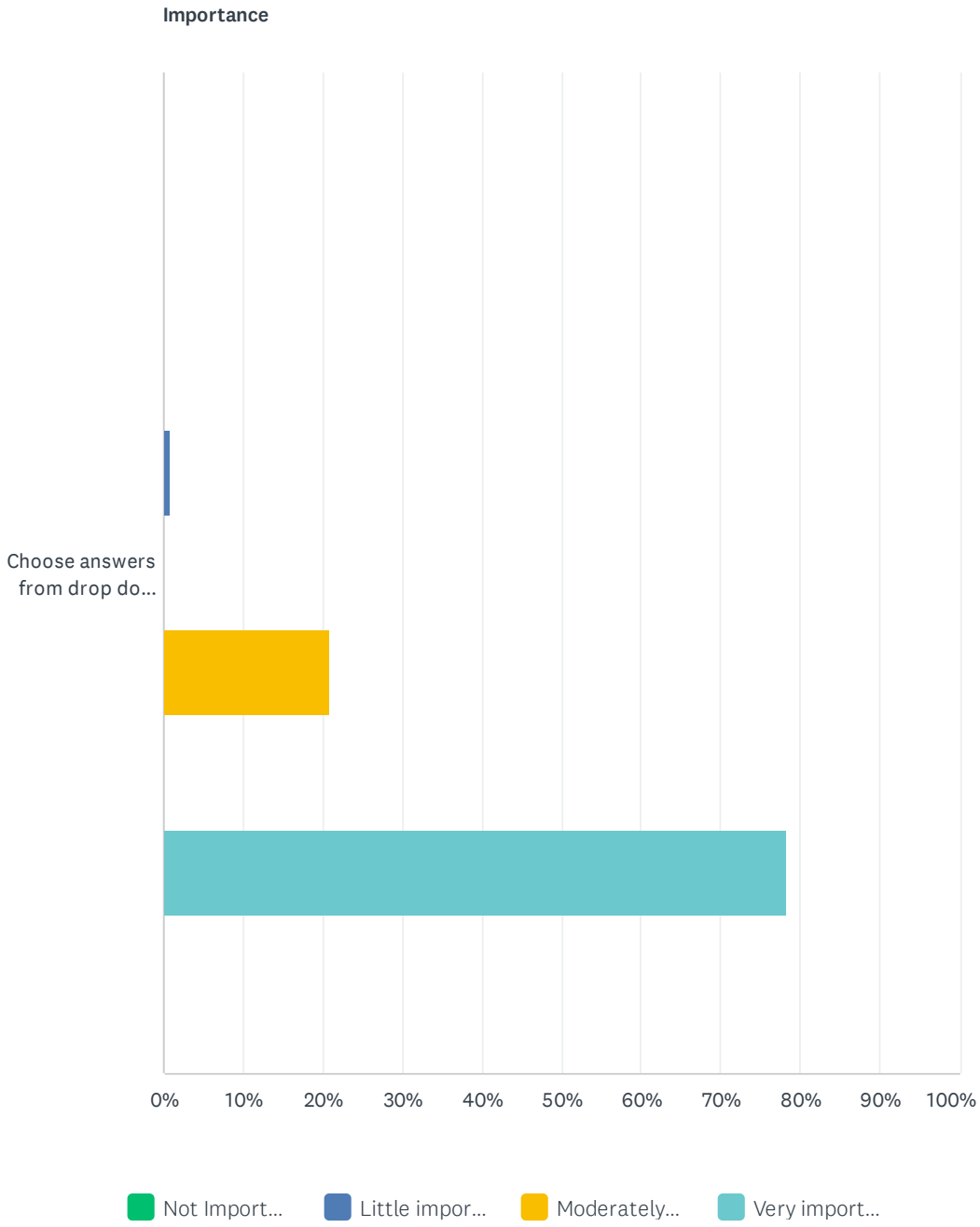
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 2.24%<br>5 | 19.73%<br>44 | 49.78%<br>111 | 28.25%<br>63 | 223 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 7.27%<br>16 | 24.09%<br>53 | 42.27%<br>93 | 26.36%<br>58 | <br>220 |

# Q134 3.5.4.11 Graded activity/exercise.

Answered: 232 Skipped: 978

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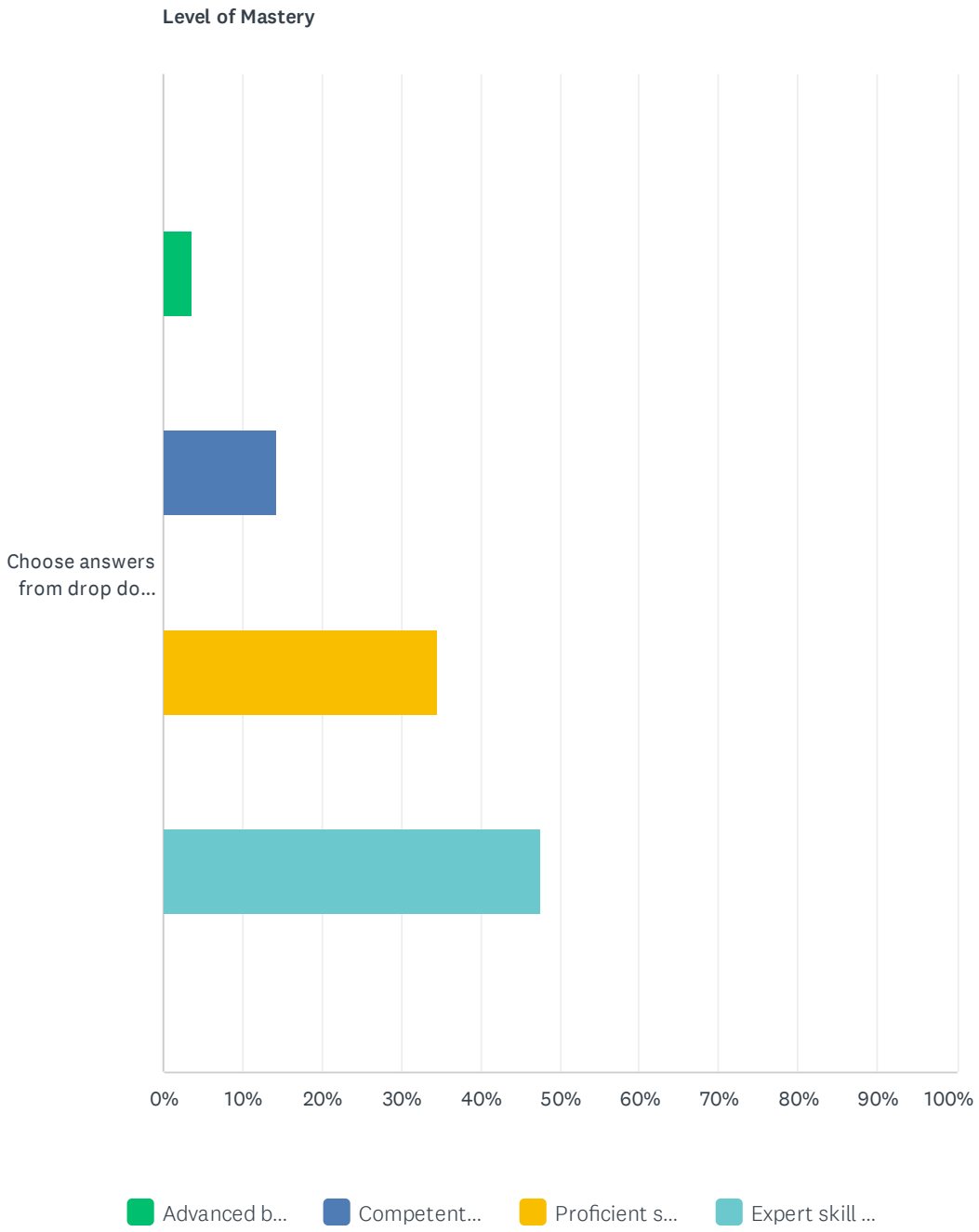


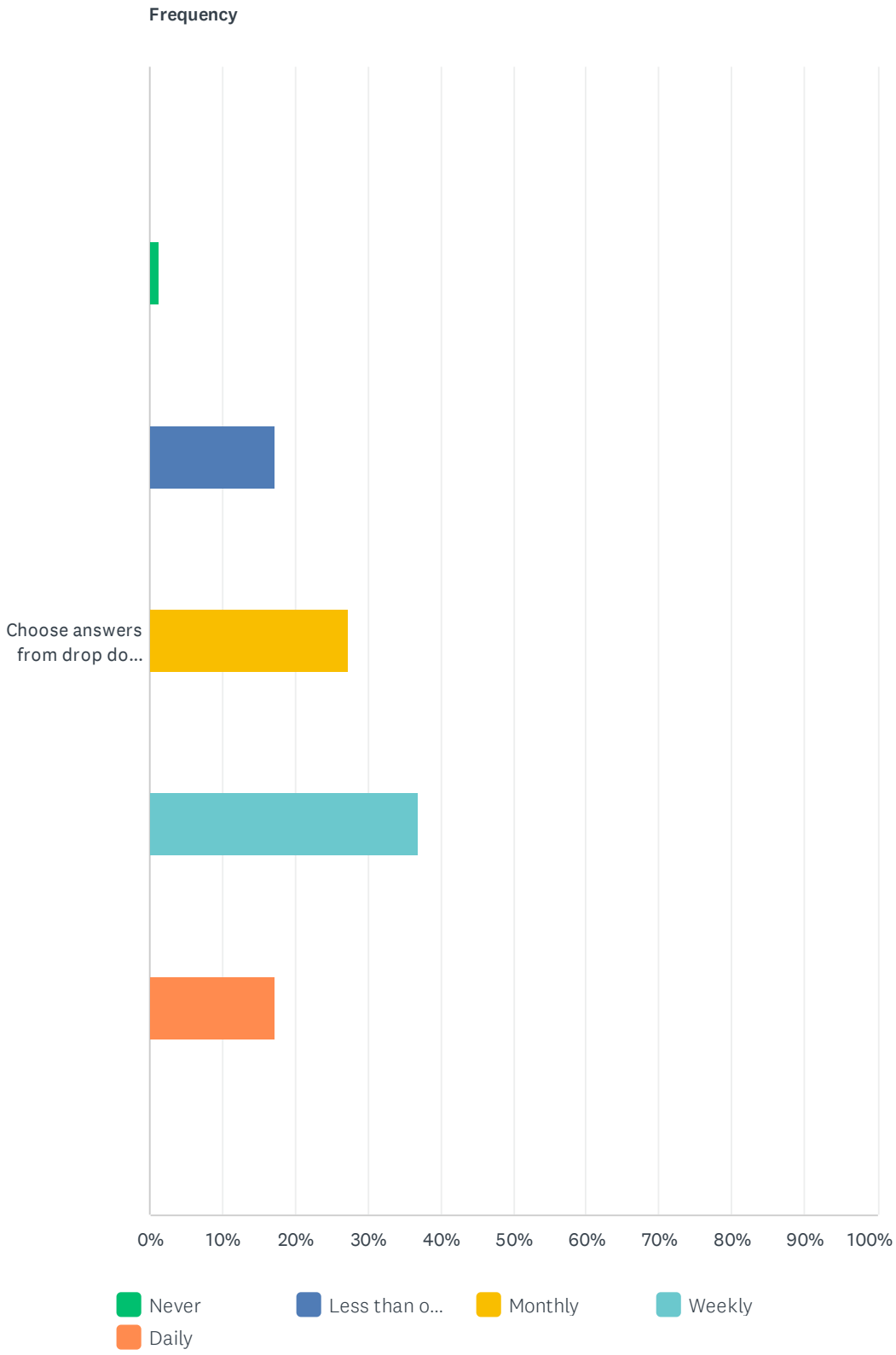

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.86%<br>2 | 0.86%<br>2 | 1.29%<br>3 | 20.69%<br>48 | 76.29%<br>177 | 232 |

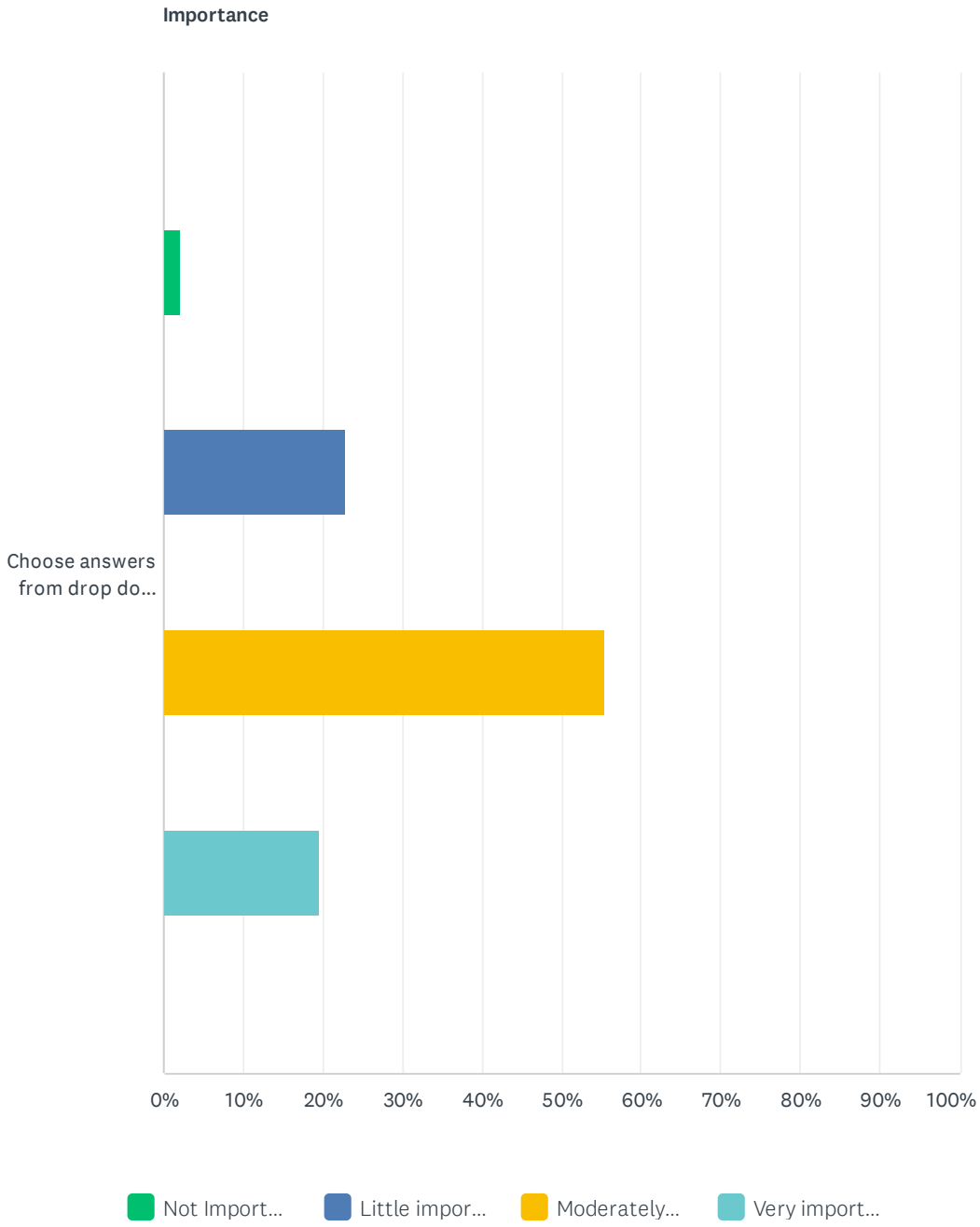
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.88%<br>2 | 20.80%<br>47 | 78.32%<br>177 | 226 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 3.59%<br>8 | 14.35%<br>32 | 34.53%<br>77 | 47.53%<br>106 | <br>223 |

# Q135 3.5.4.12 Protective, adaptive or supportive device or equipment (e.g., orthotics, taping).

Answered: 231 Skipped: 979

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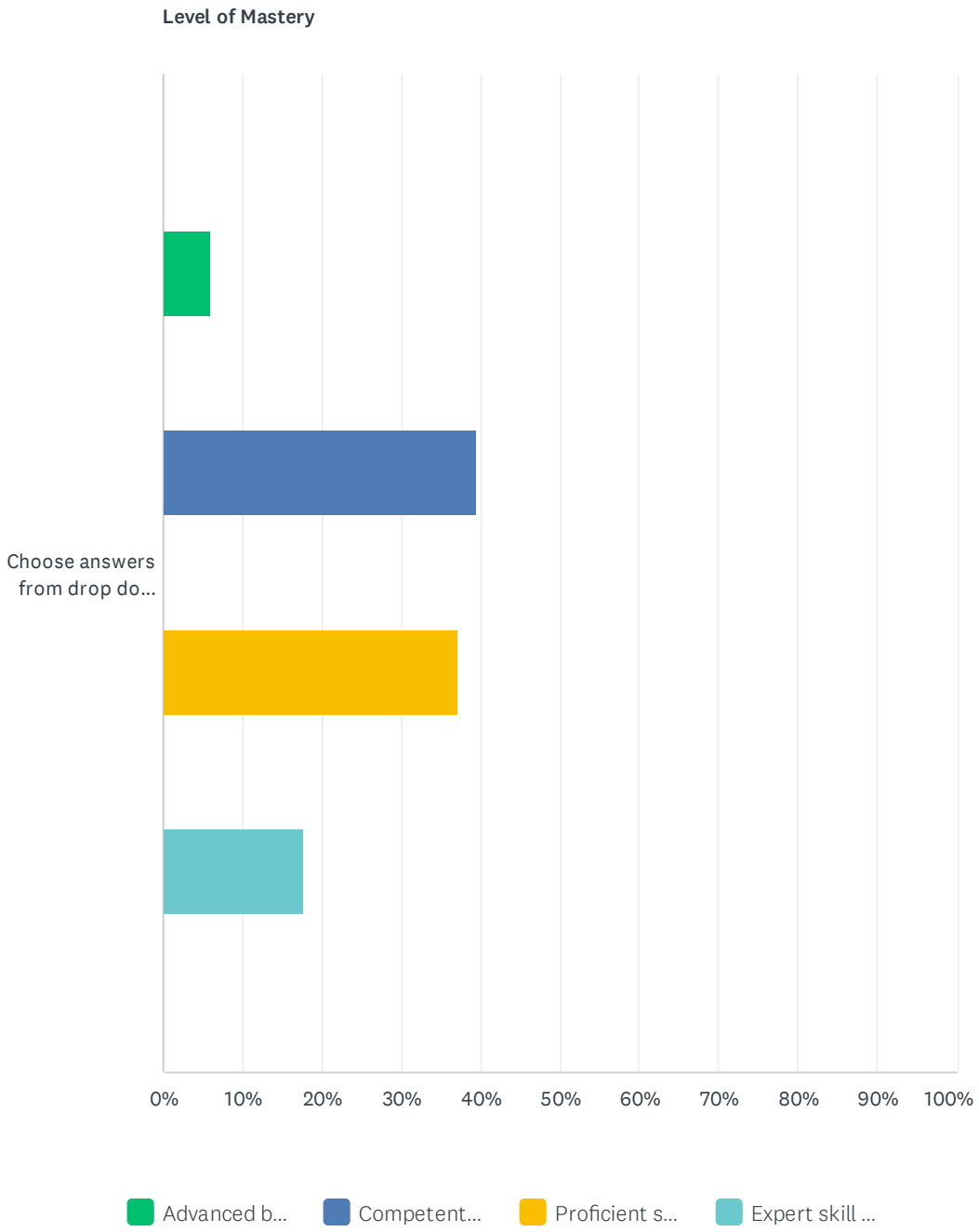


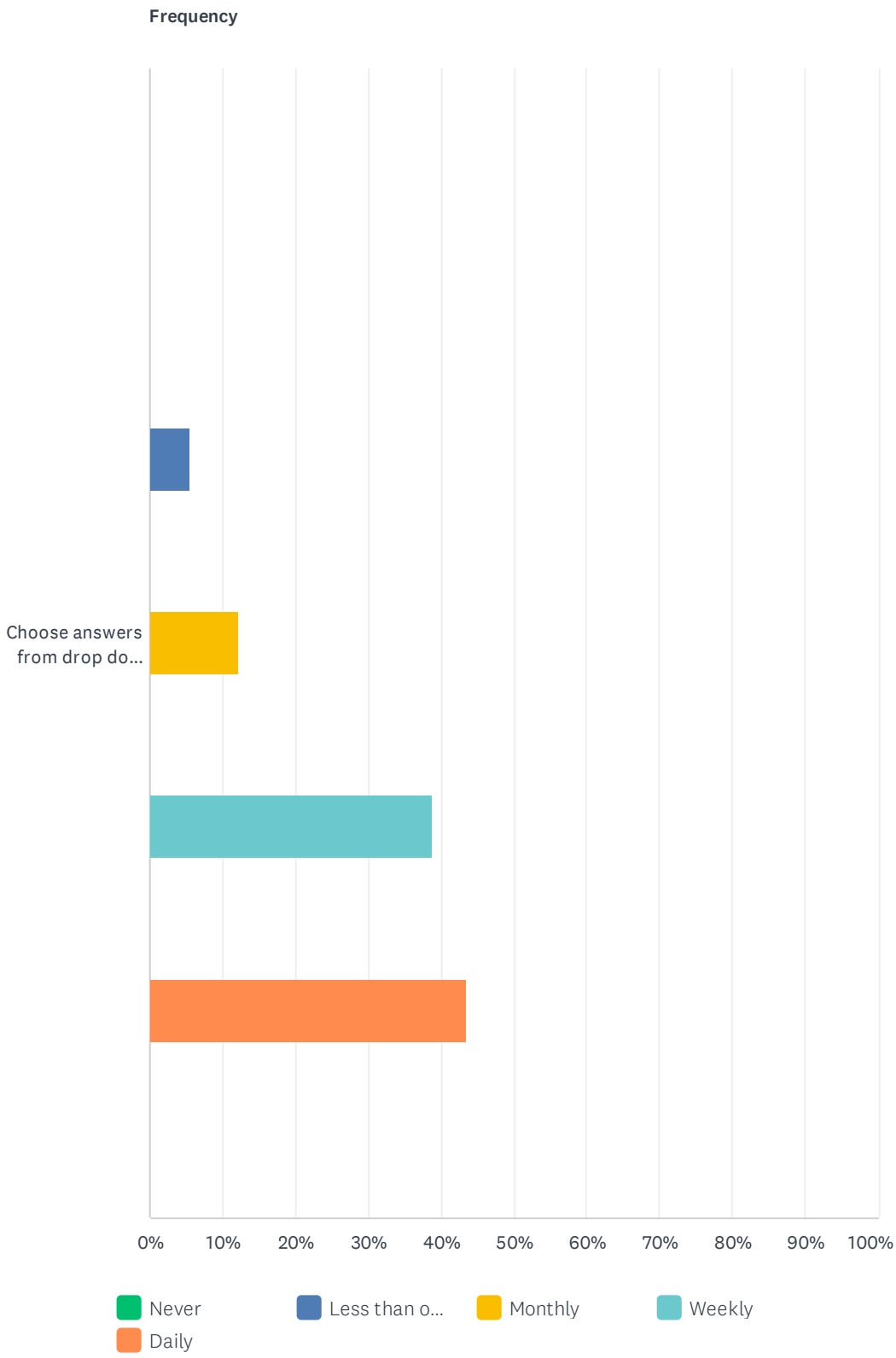

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.30%<br>3 | 17.32%<br>40 | 27.27%<br>63 | 36.80%<br>85 | 17.32%<br>40 | 231 |

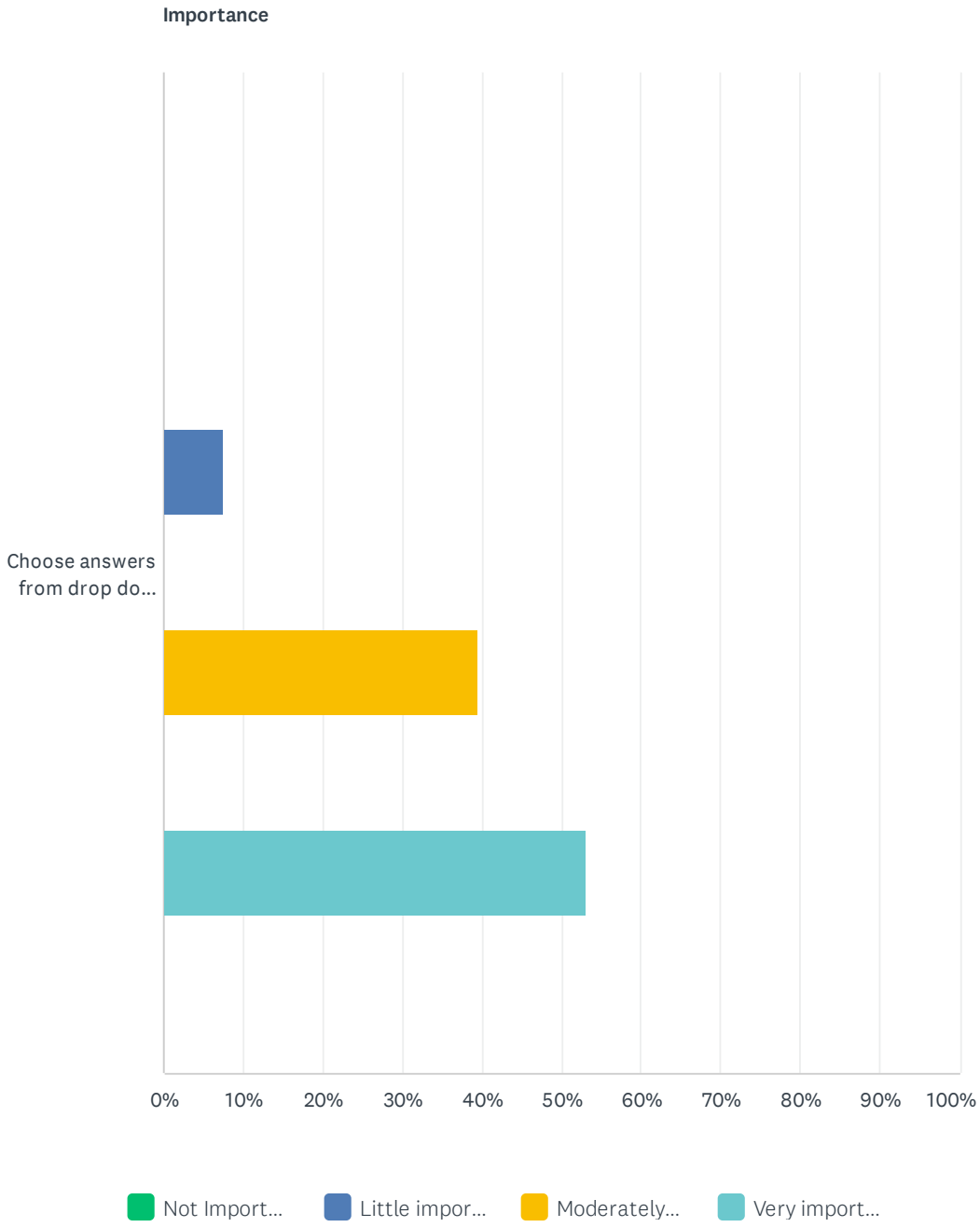
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 2.23%<br>5 | 22.77%<br>51 | 55.36%<br>124 | 19.64%<br>44 | 224 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 5.88%<br>13 | 39.37%<br>87 | 37.10%<br>82 | 17.65%<br>39 | <br>221 |

# Q136 3.5.4.13 Neural mobilization (e.g., nerve gliding).

Answered: 232 Skipped: 978

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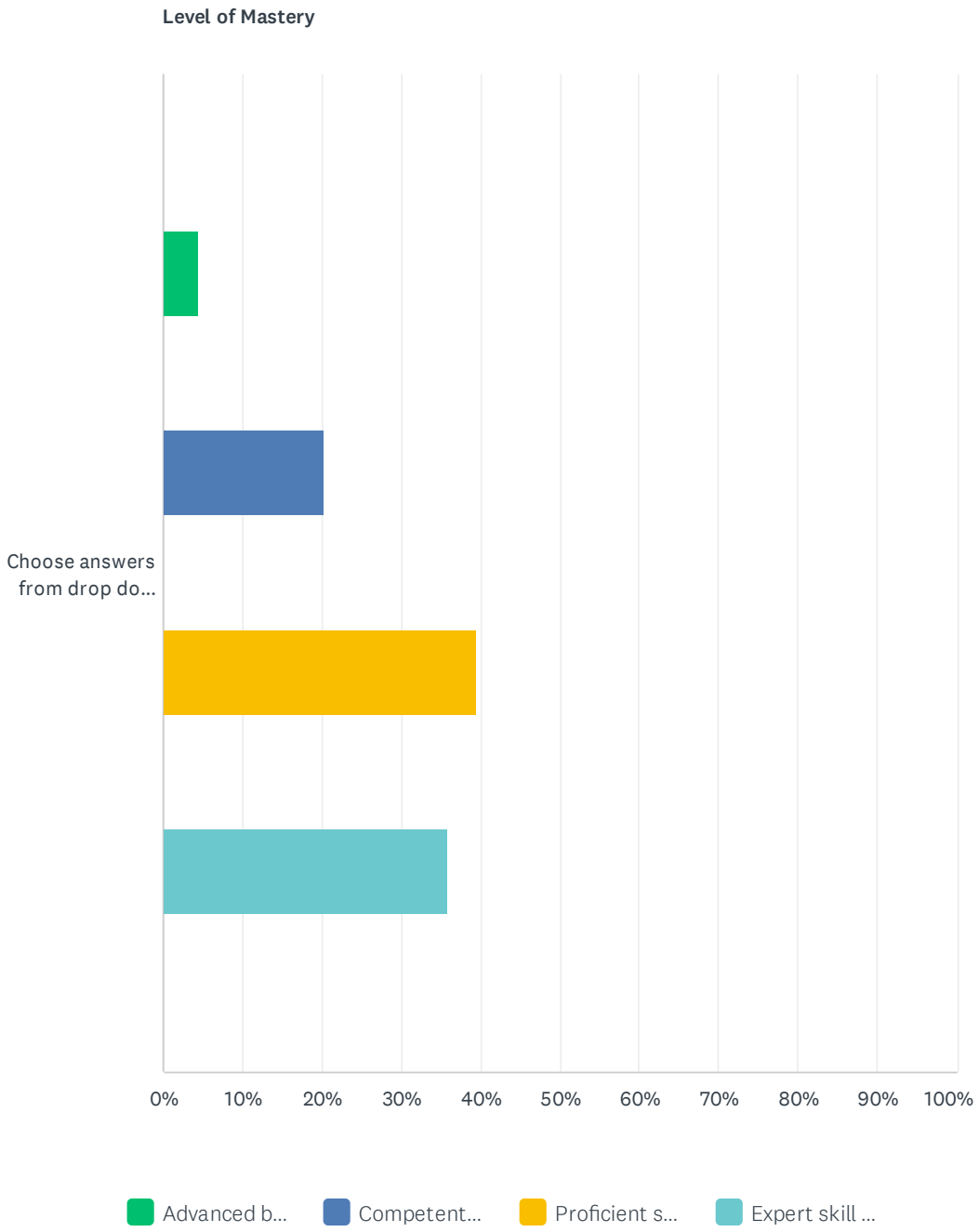


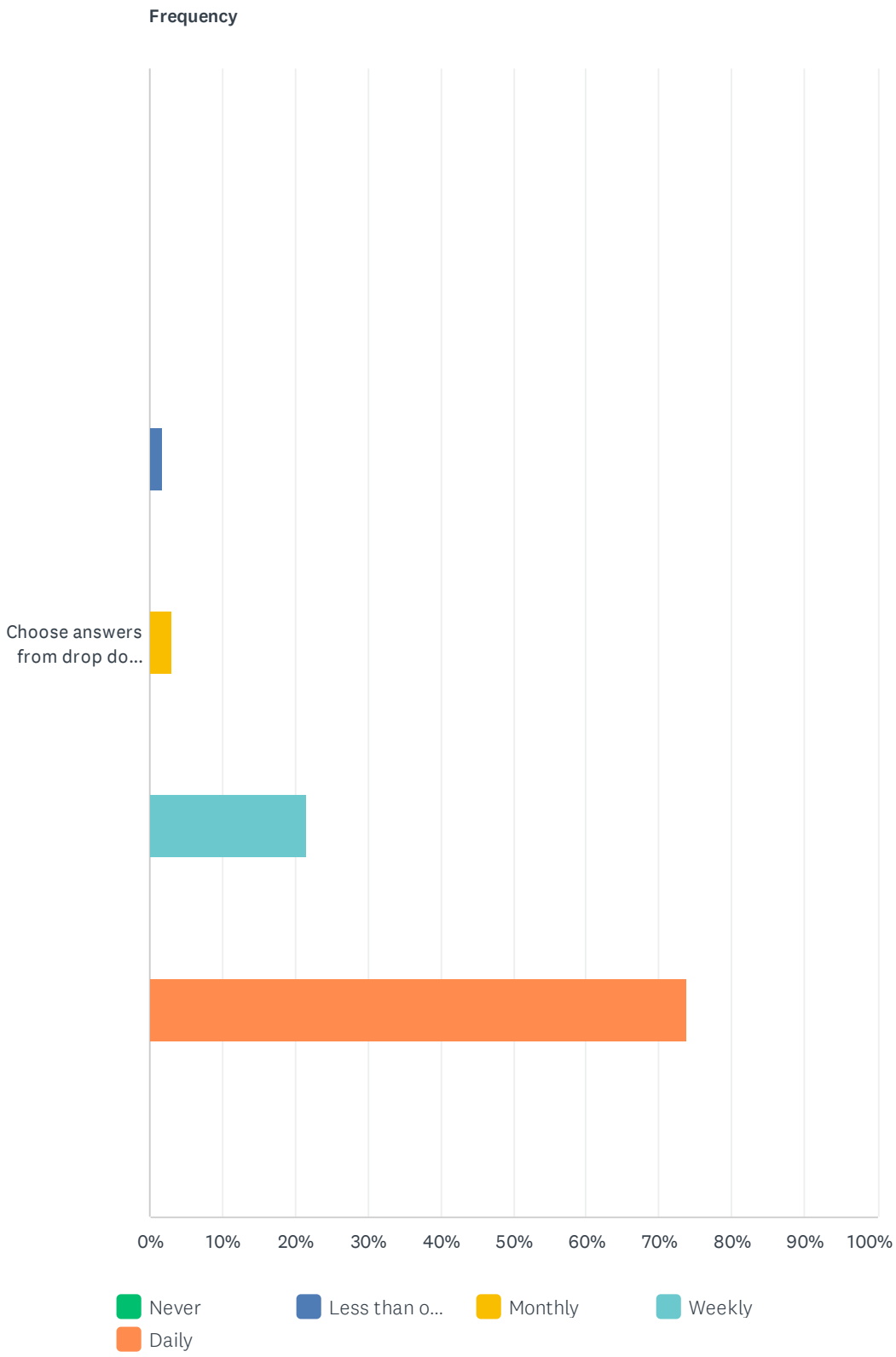

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 5.60%<br>13 | 12.07%<br>28 | 38.79%<br>90 | 43.53%<br>101 | 232 |

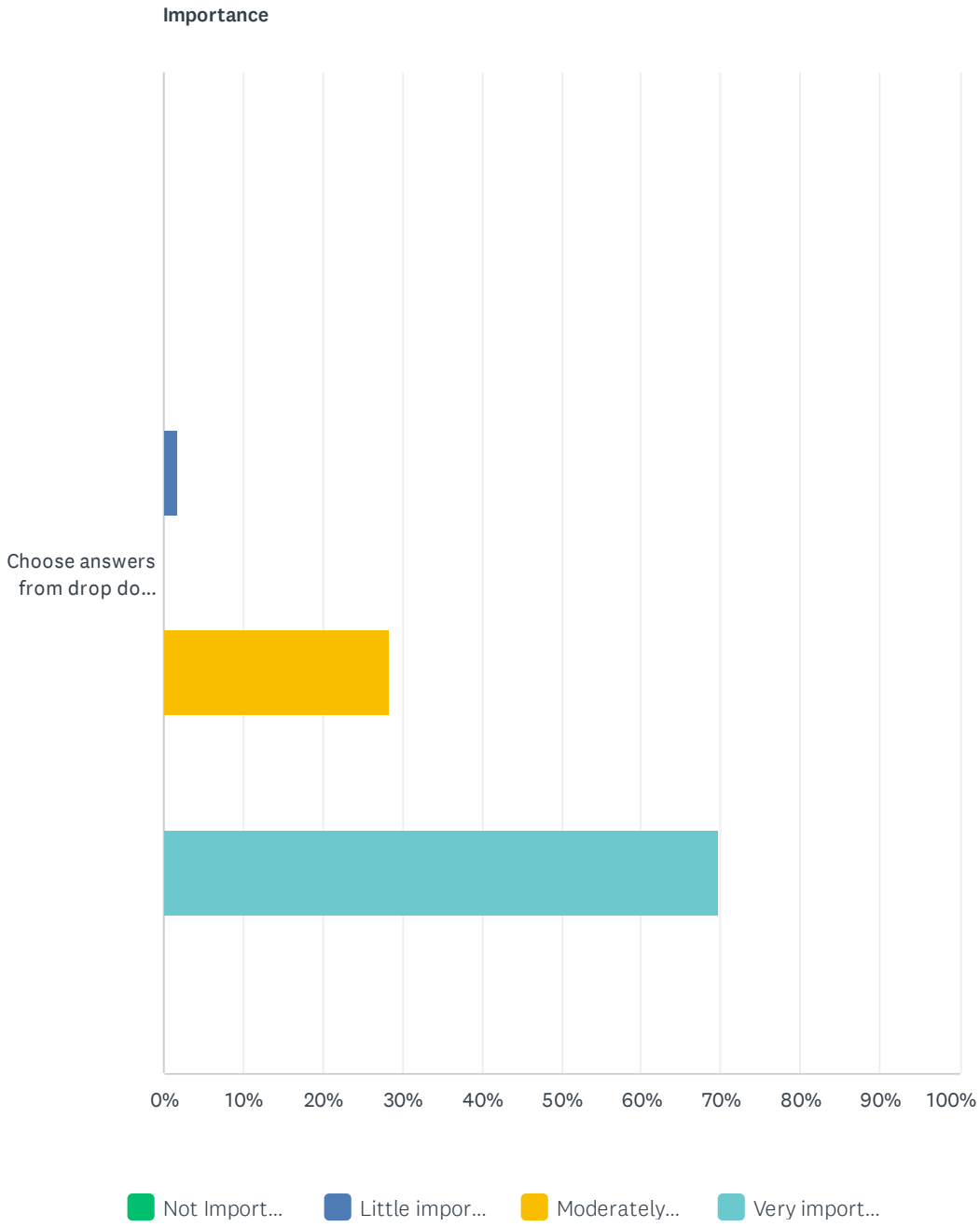
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 7.52%<br>17 | 39.38%<br>89 | 53.10%<br>120 | 226 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 4.48%<br>10 | 20.18%<br>45 | 39.46%<br>88 | 35.87%<br>80 | <br>223 |

# Q137 3.5.14 Non-thrust mobilization/manipulation.

Answered: 232 Skipped: 978

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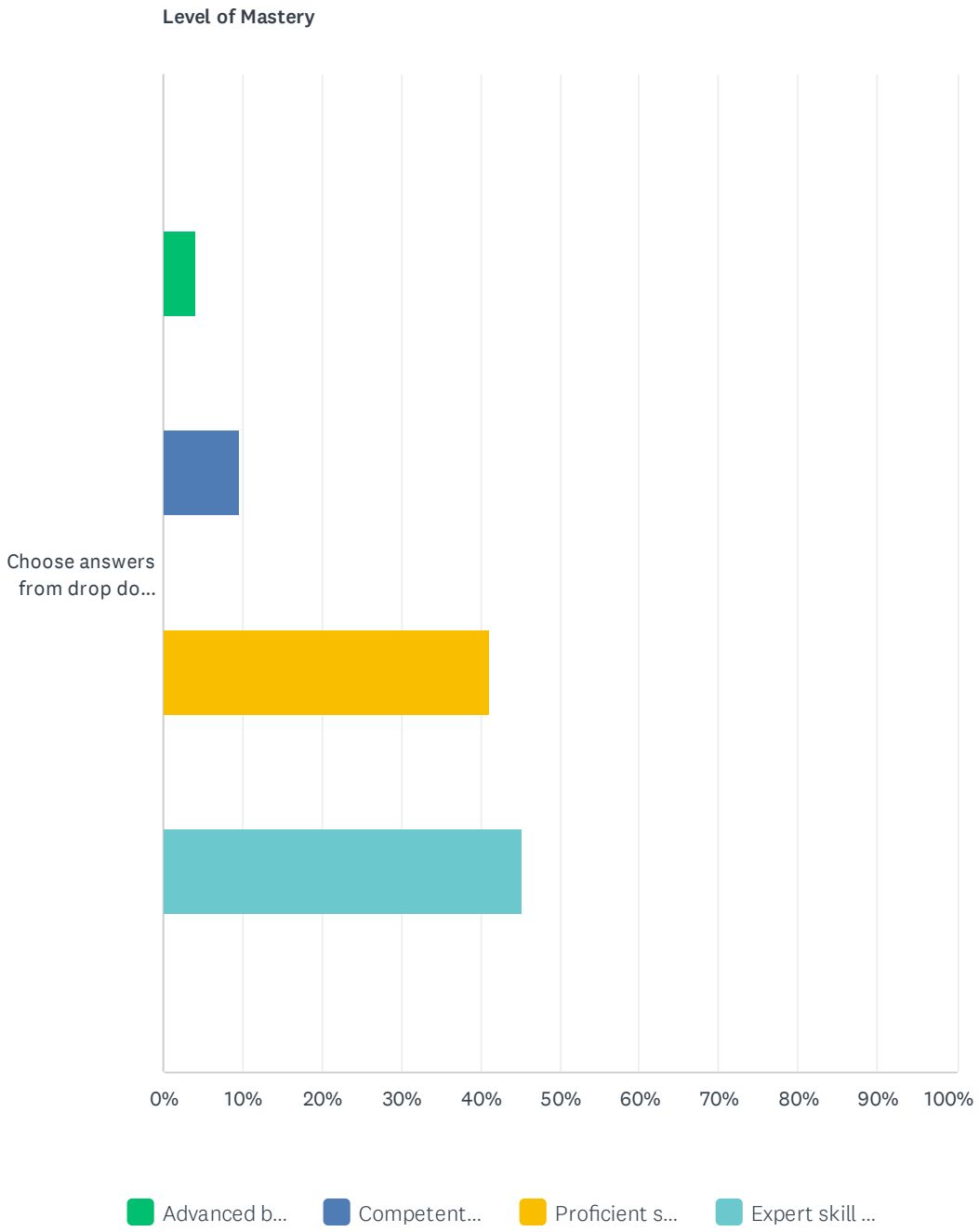


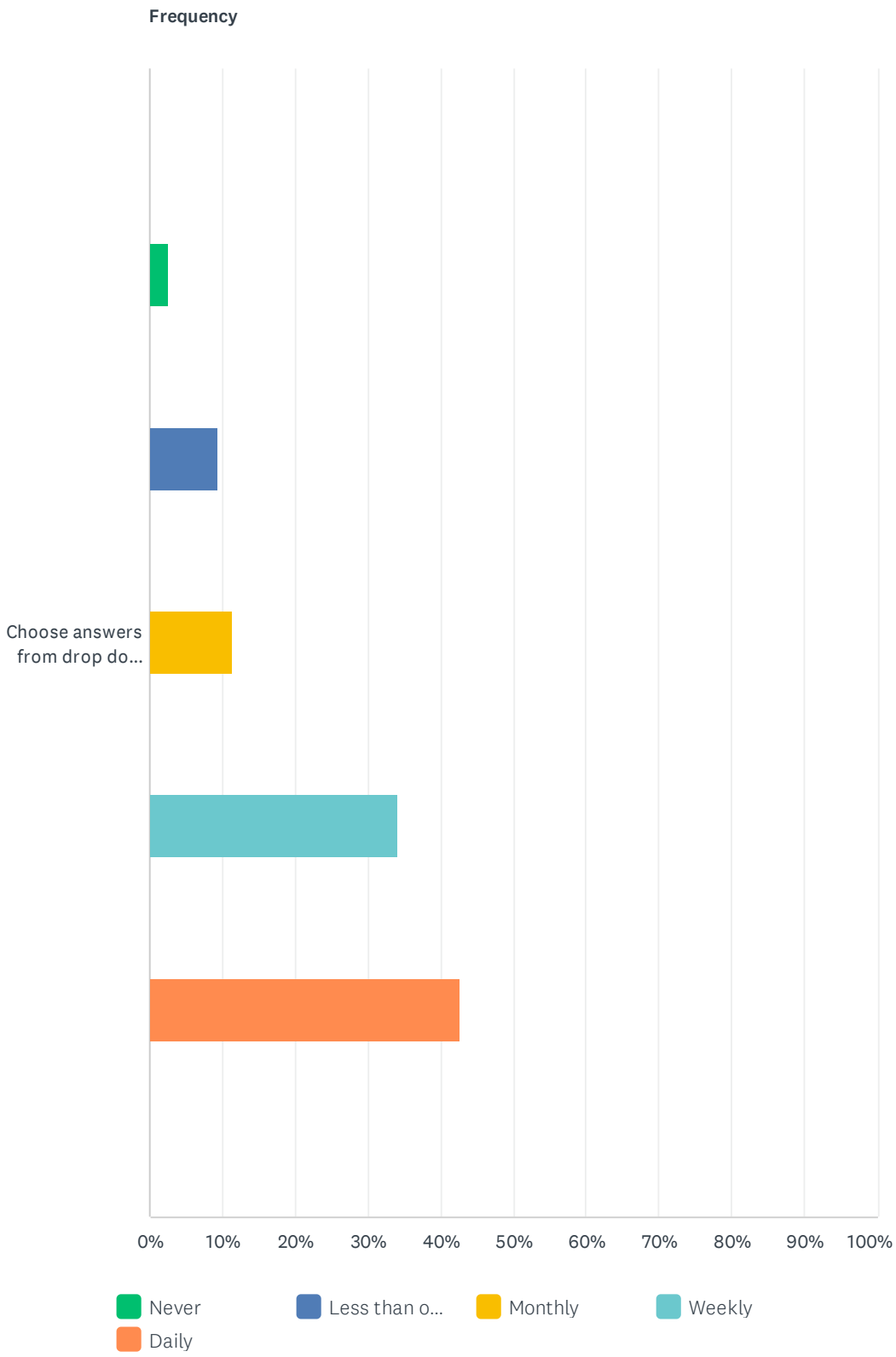

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.72%<br>4 | 3.02%<br>7 | 21.55%<br>50 | 73.71%<br>171 | 232 |

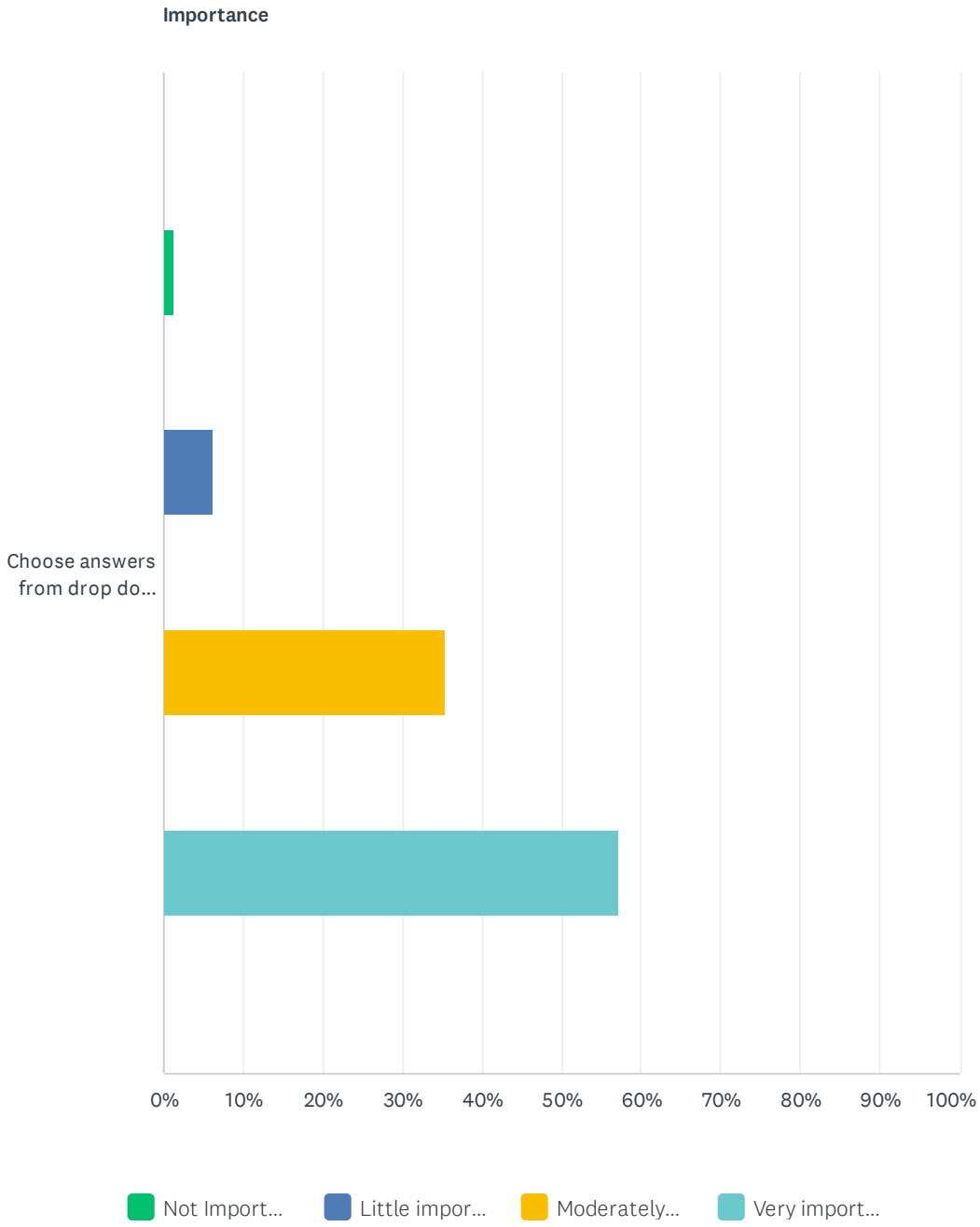
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.78%<br>4 | 28.44%<br>64 | 69.78%<br>157 | 225 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 4.07%<br>9 | 9.50%<br>21 | 41.18%<br>91 | 45.25%<br>100 | 221 |

# Q138 3.5.15 Thrust mobilization/manipulation.

Answered: 232 Skipped: 978

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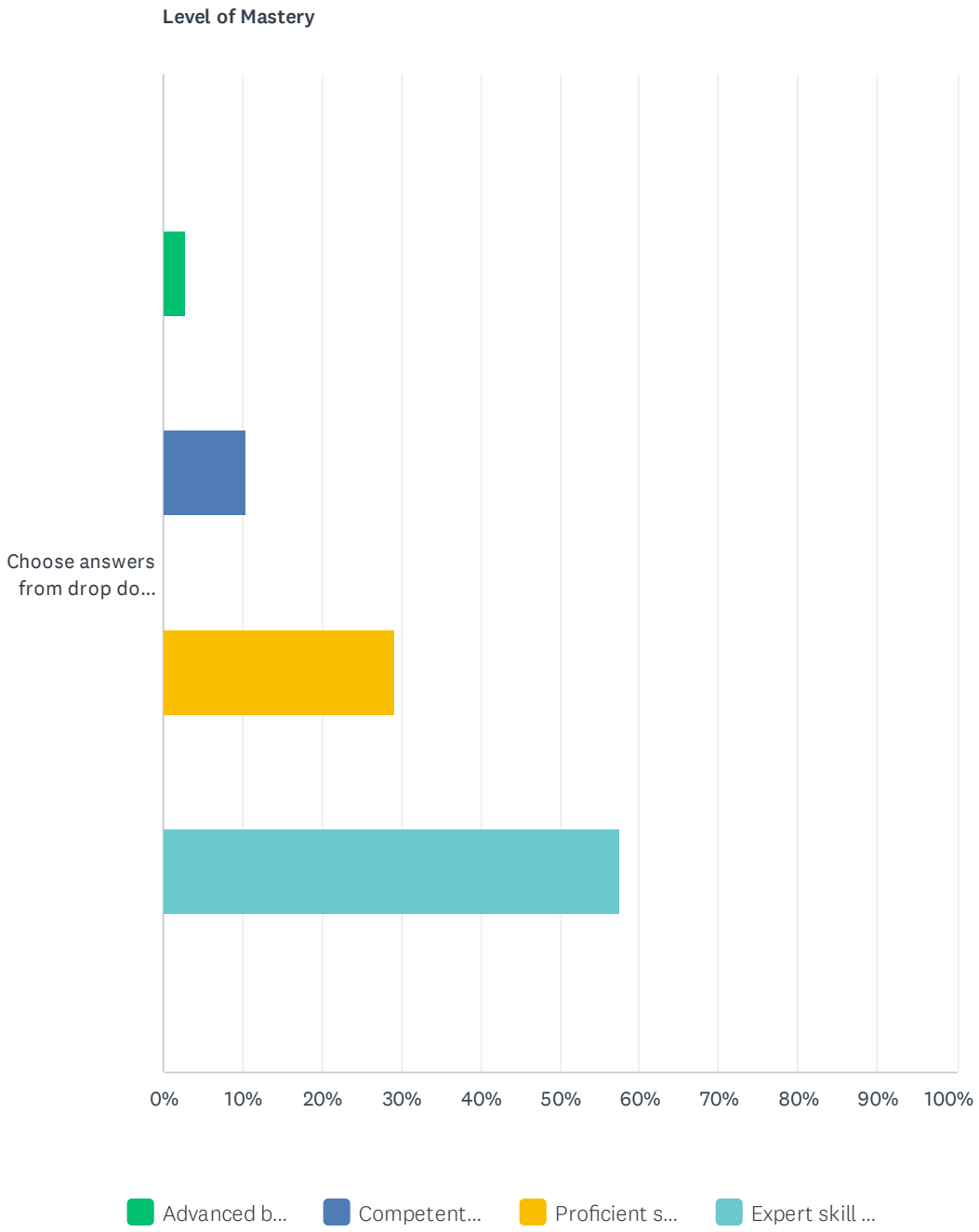


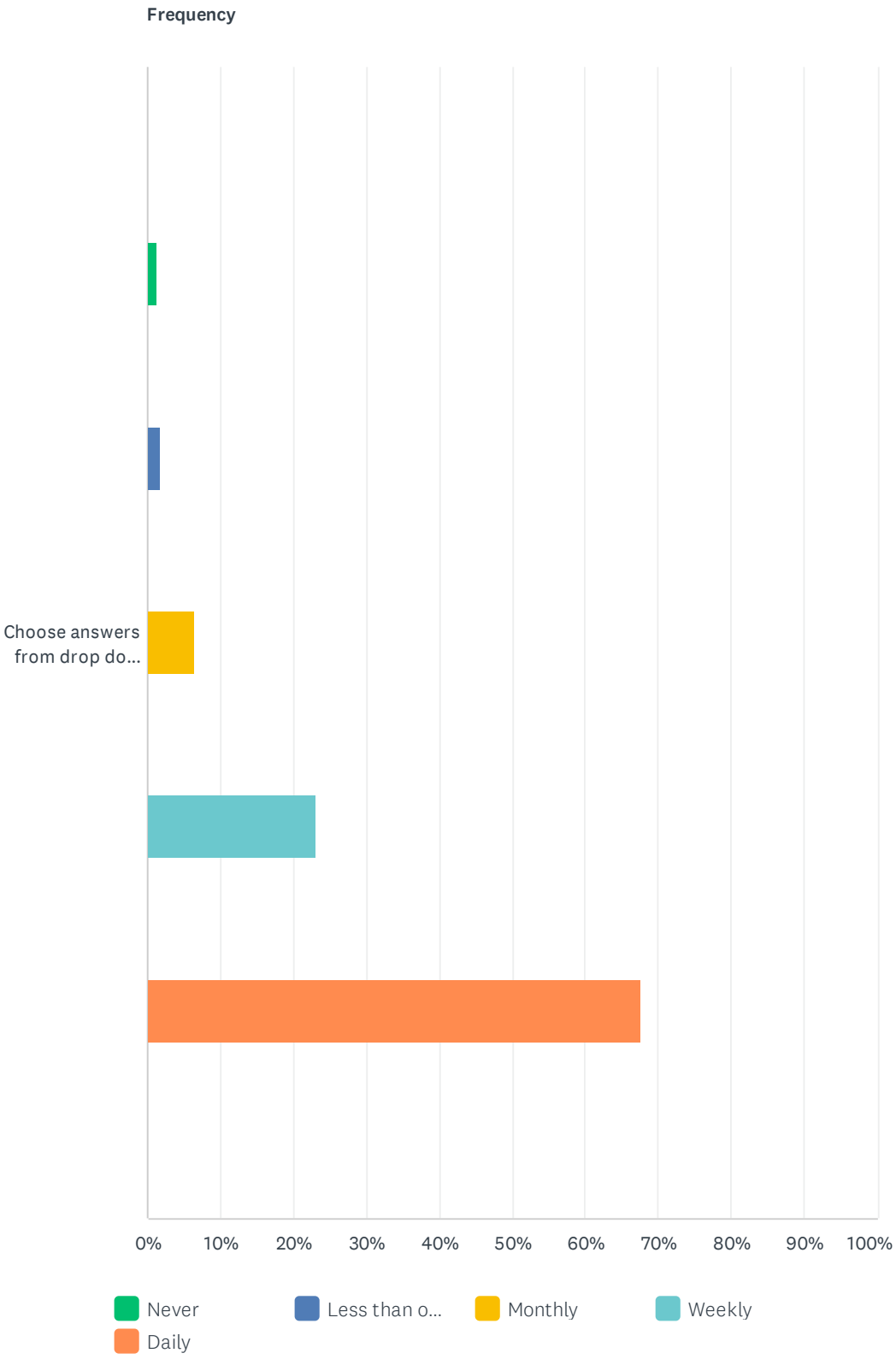

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 2.59%<br>6 | 9.48%<br>22 | 11.21%<br>26 | 34.05%<br>79 | 42.67%<br>99 | 232 |

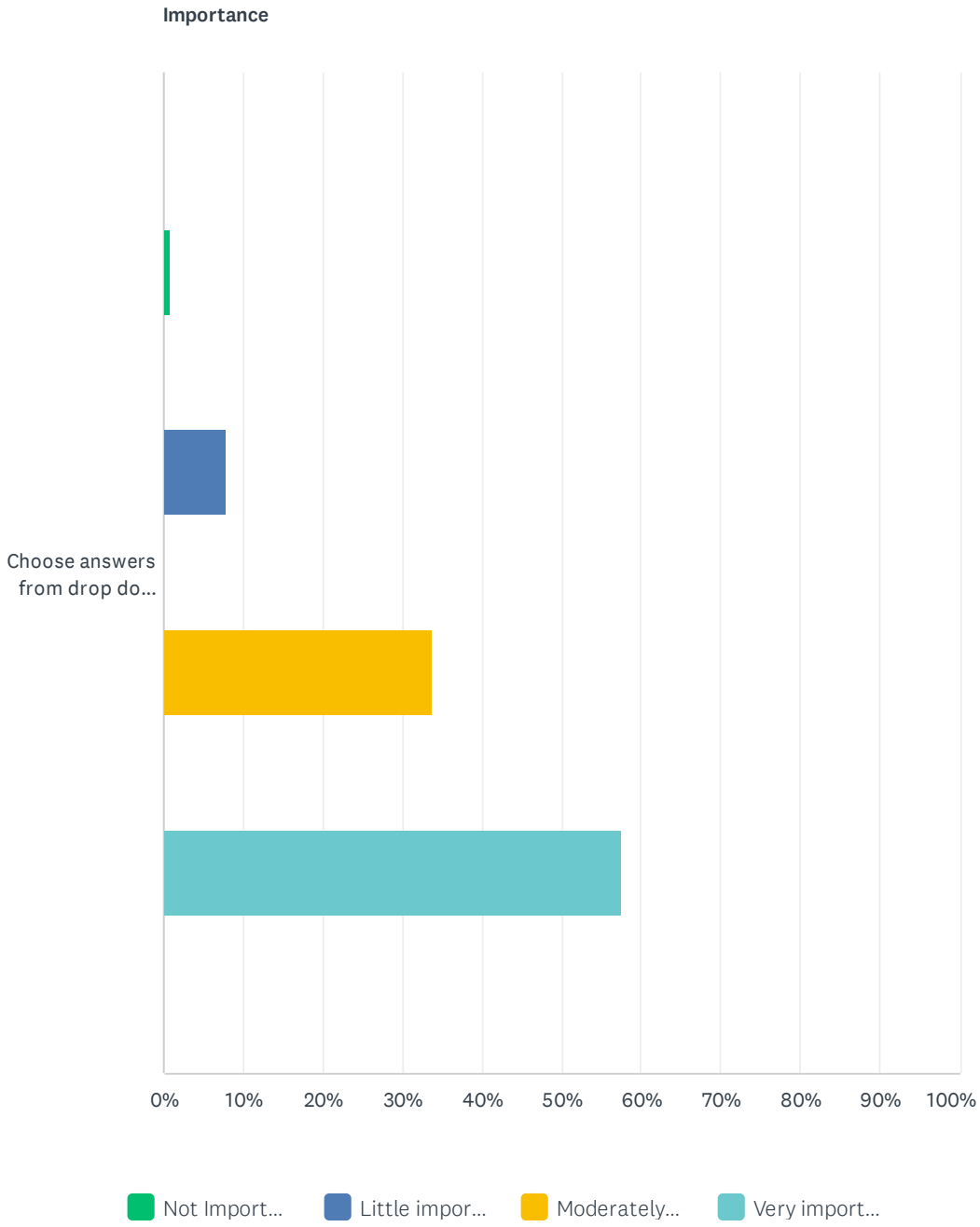
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.33%<br>3 | 6.19%<br>14 | 35.40%<br>80 | 57.08%<br>129 | 226 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 2.70%<br>6 | 10.36%<br>23 | 29.28%<br>65 | 57.66%<br>128 | <br>222 |

# Q139 3.5.16 Soft tissue mobilization (e.g., connective tissue, deep friction, cross friction massage, instrument-assisted).

Answered: 232 Skipped: 978

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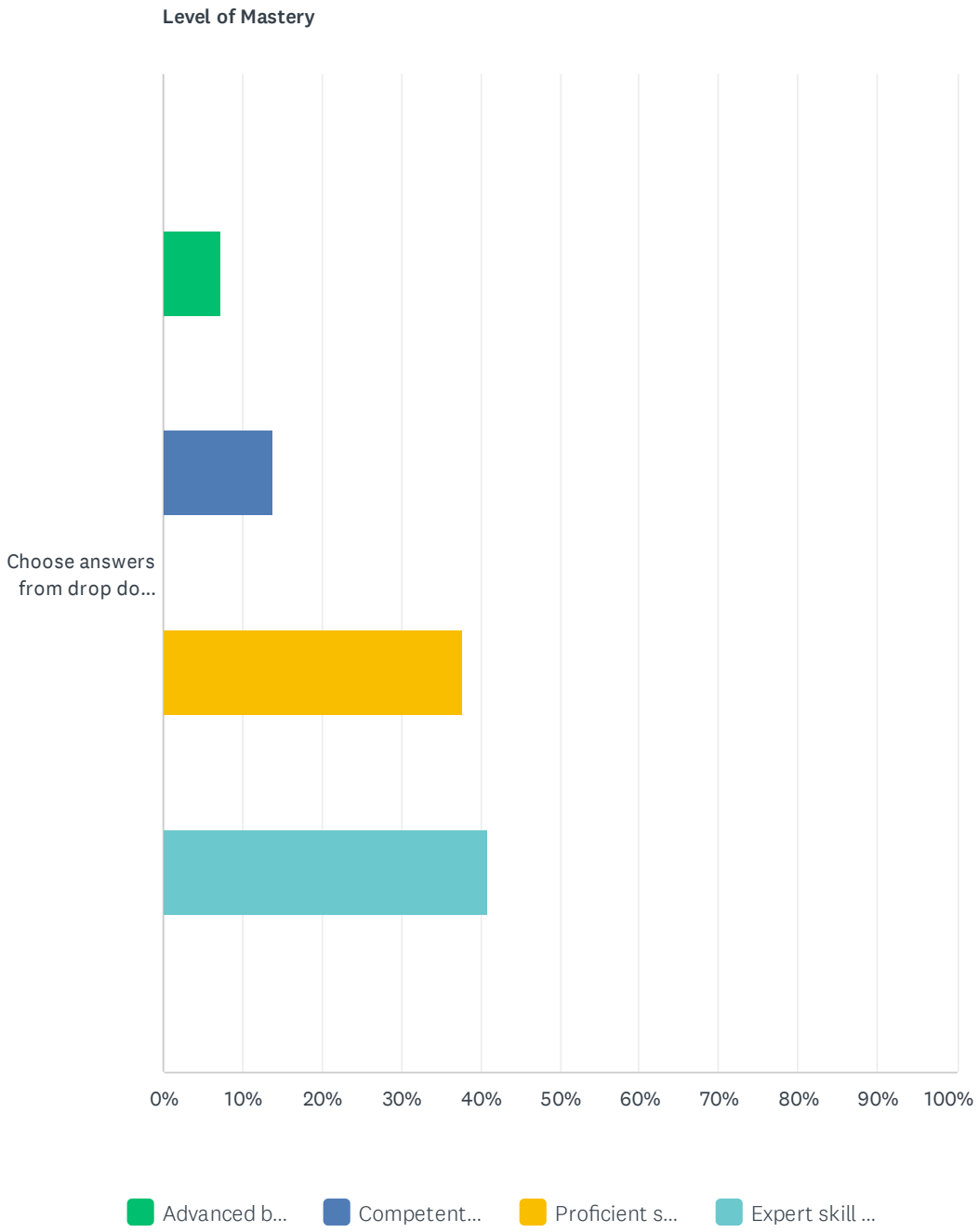


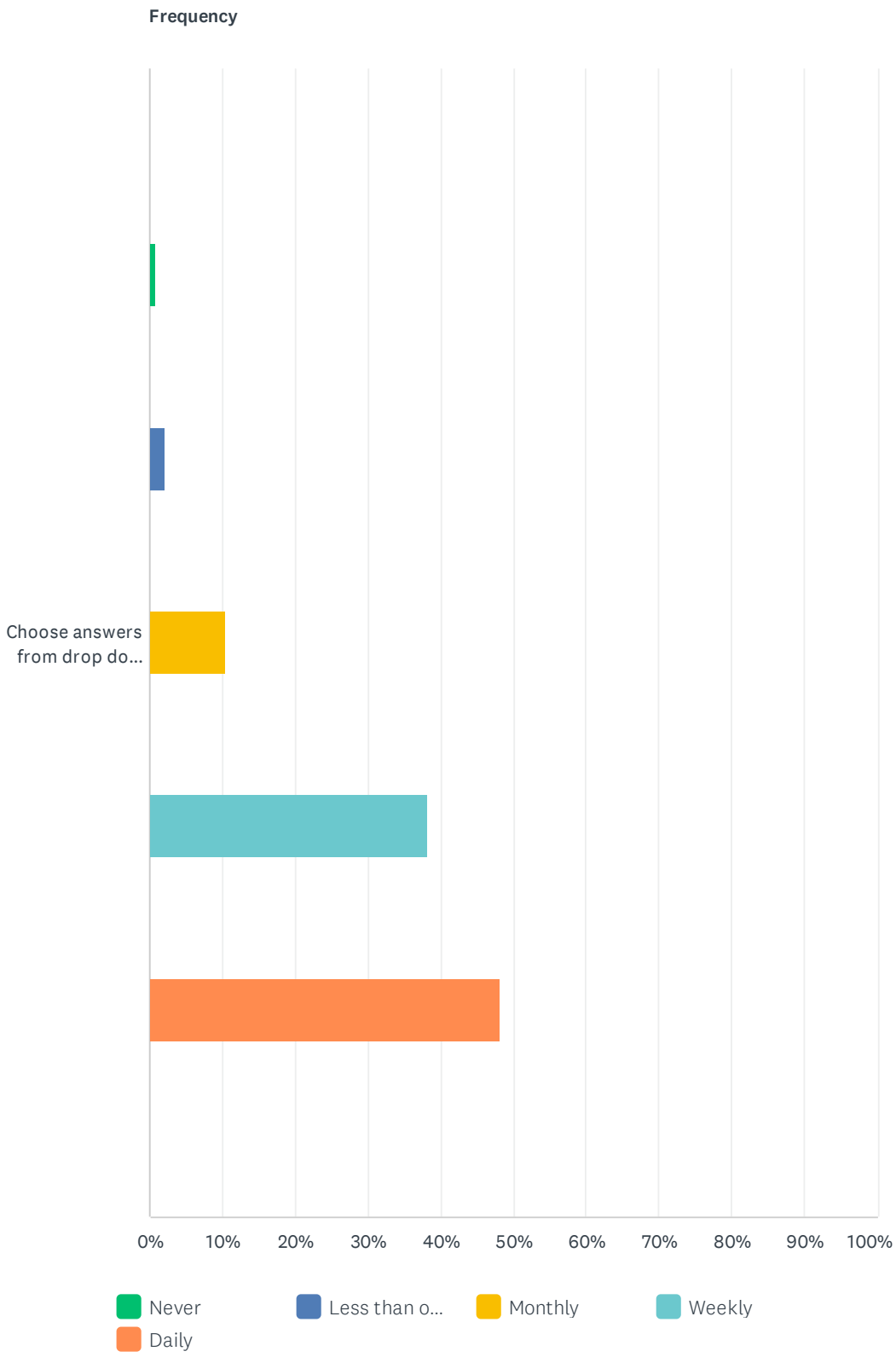

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.30%<br>3 | 1.73%<br>4 | 6.49%<br>15 | 22.94%<br>53 | 67.53%<br>156 | 231 |

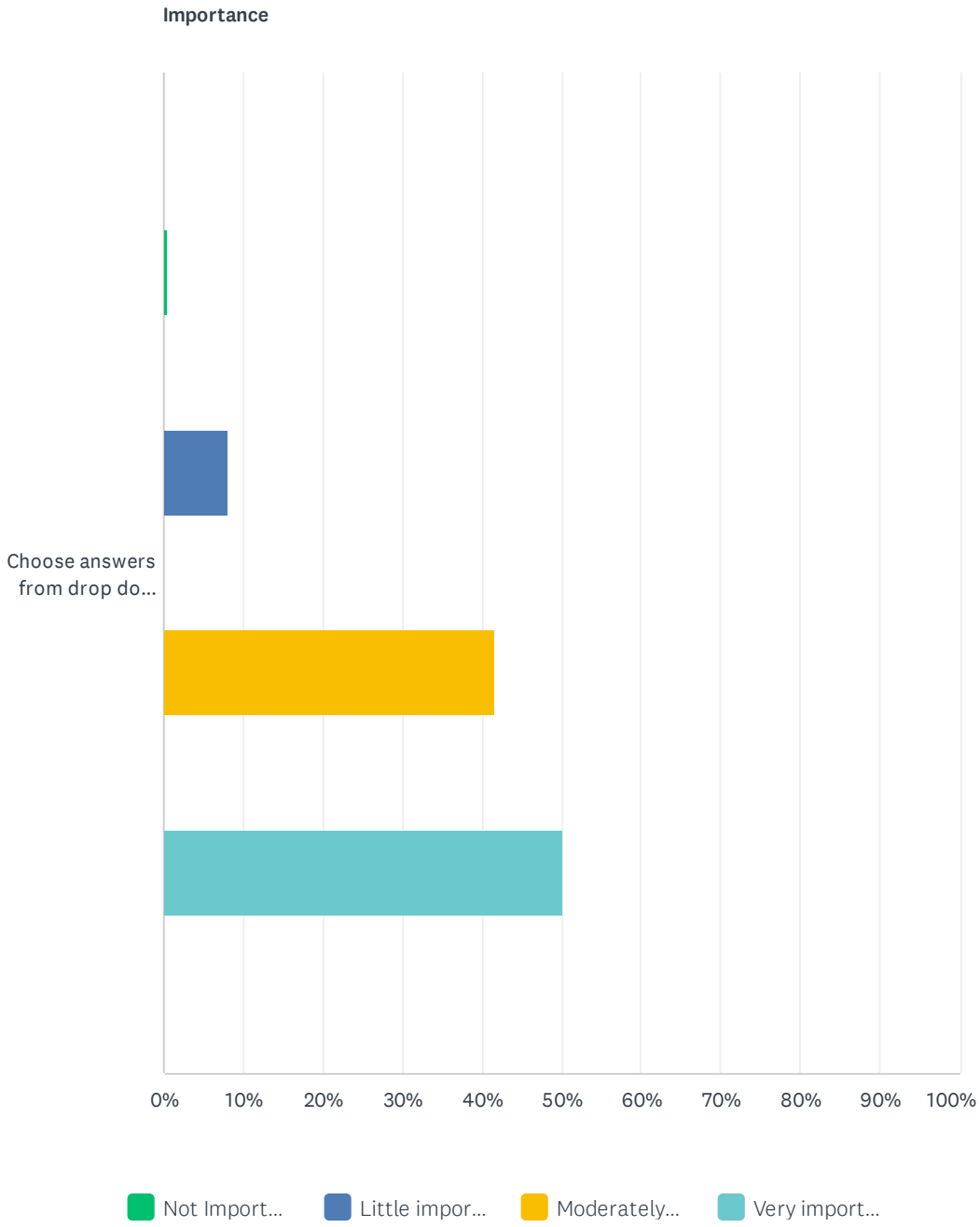
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.88%<br>2 | 7.96%<br>18 | 33.63%<br>76 | 57.52%<br>130 | 226 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 7.21%<br>16 | 13.96%<br>31 | 37.84%<br>84 | 40.99%<br>91 | <br>222 |

# Q140 3.5.17 Mobilization with movement.

Answered: 230 Skipped: 980

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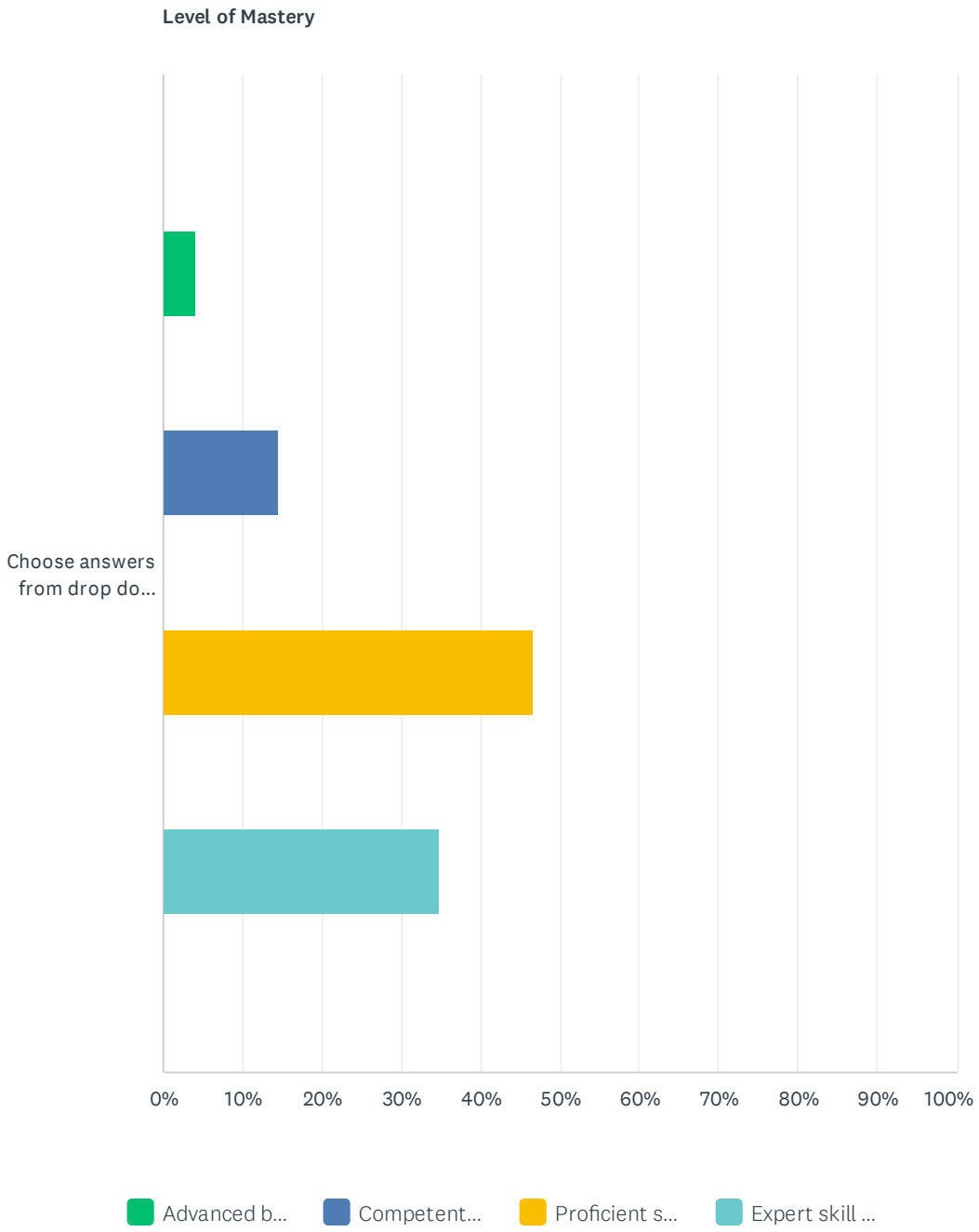


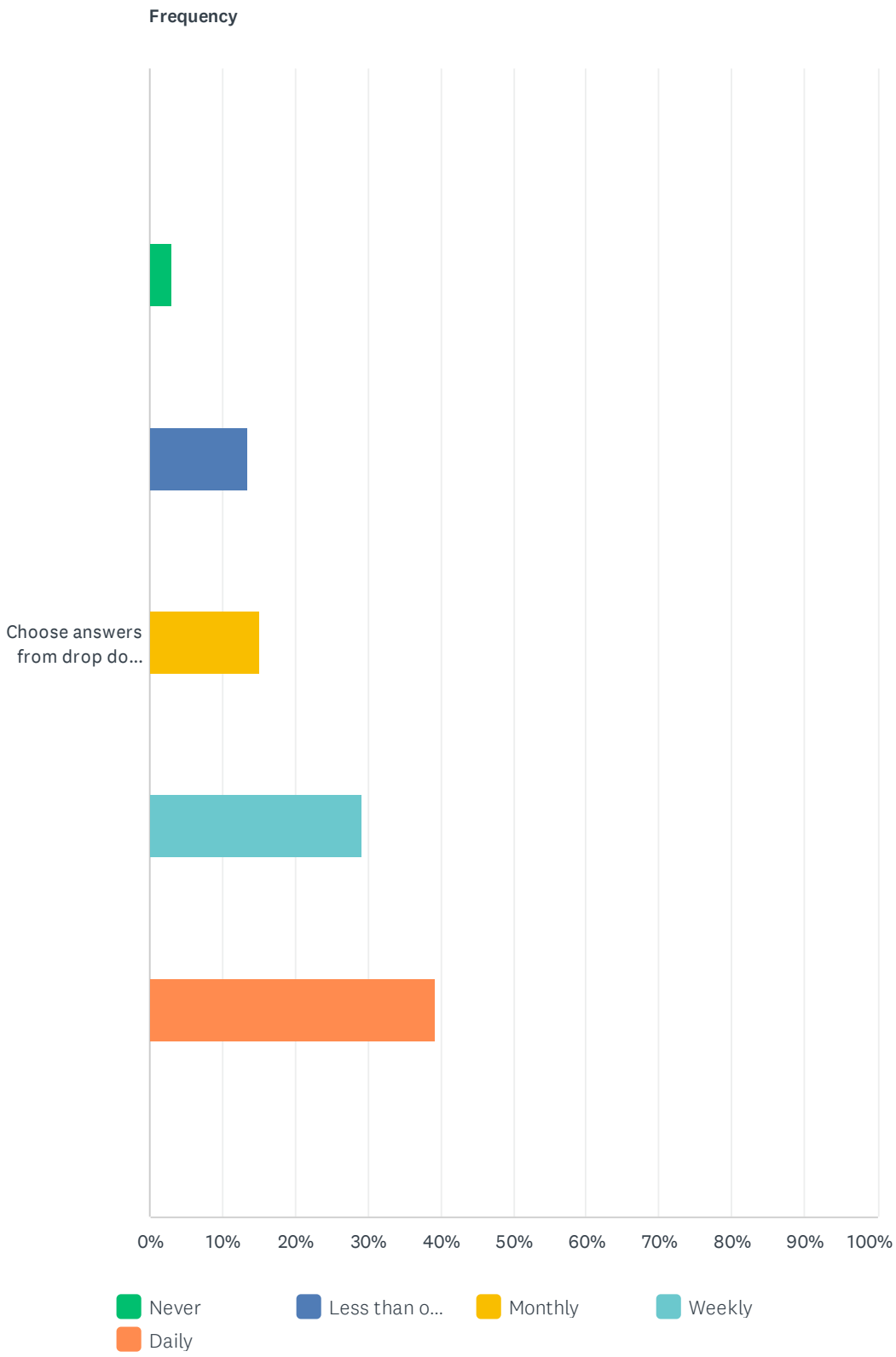

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.87%<br>2 | 2.17%<br>5 | 10.43%<br>24 | 38.26%<br>88 | 48.26%<br>111 | 230 |

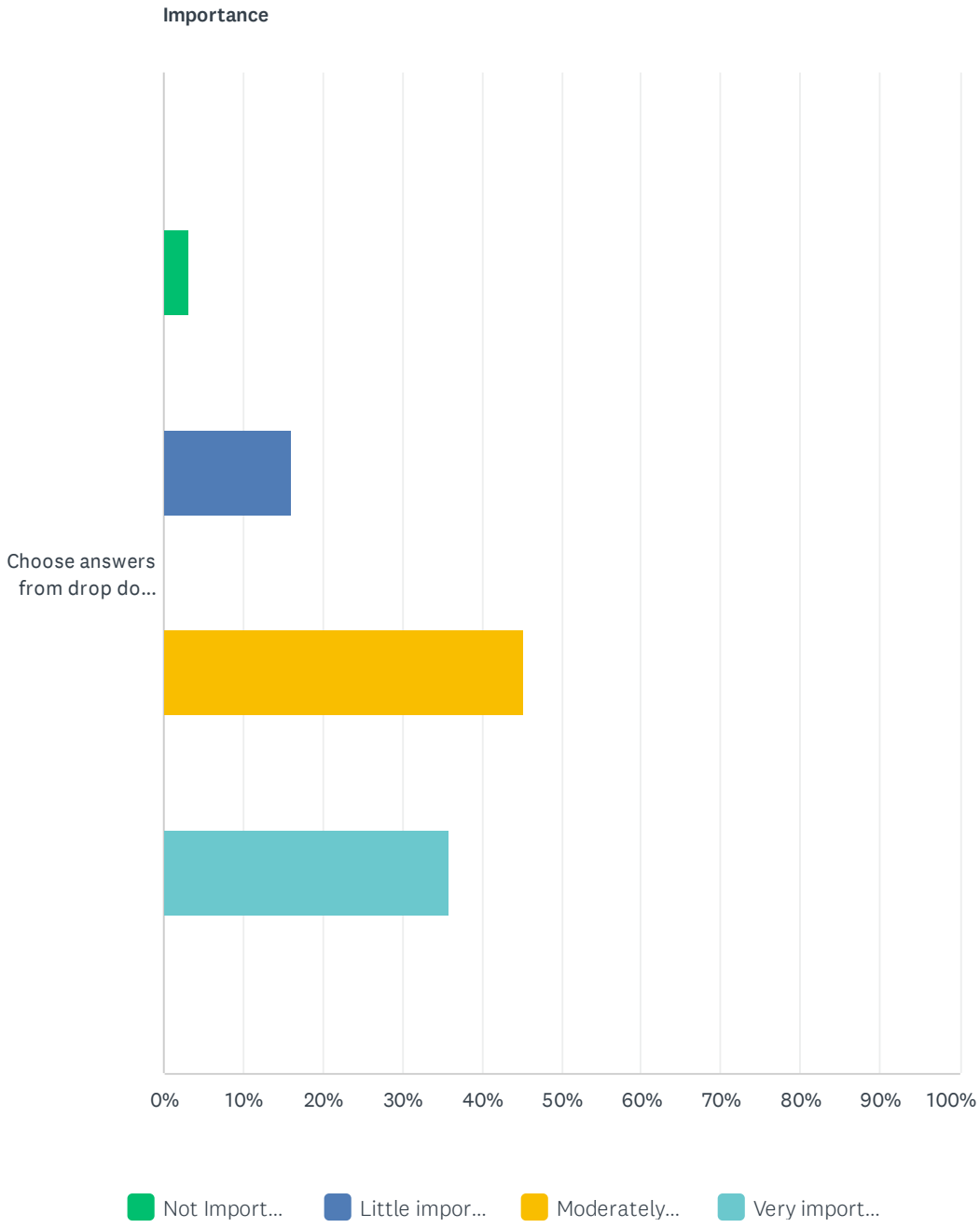
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.45%<br>1 | 8.04%<br>18 | 41.52%<br>93 | 50.00%<br>112 | 224 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 4.07%<br>9 | 14.48%<br>32 | 46.61%<br>103 | 34.84%<br>77 | <br>221 |

# Q141 3.5.18 Muscle energy techniques.

Answered: 232 Skipped: 978

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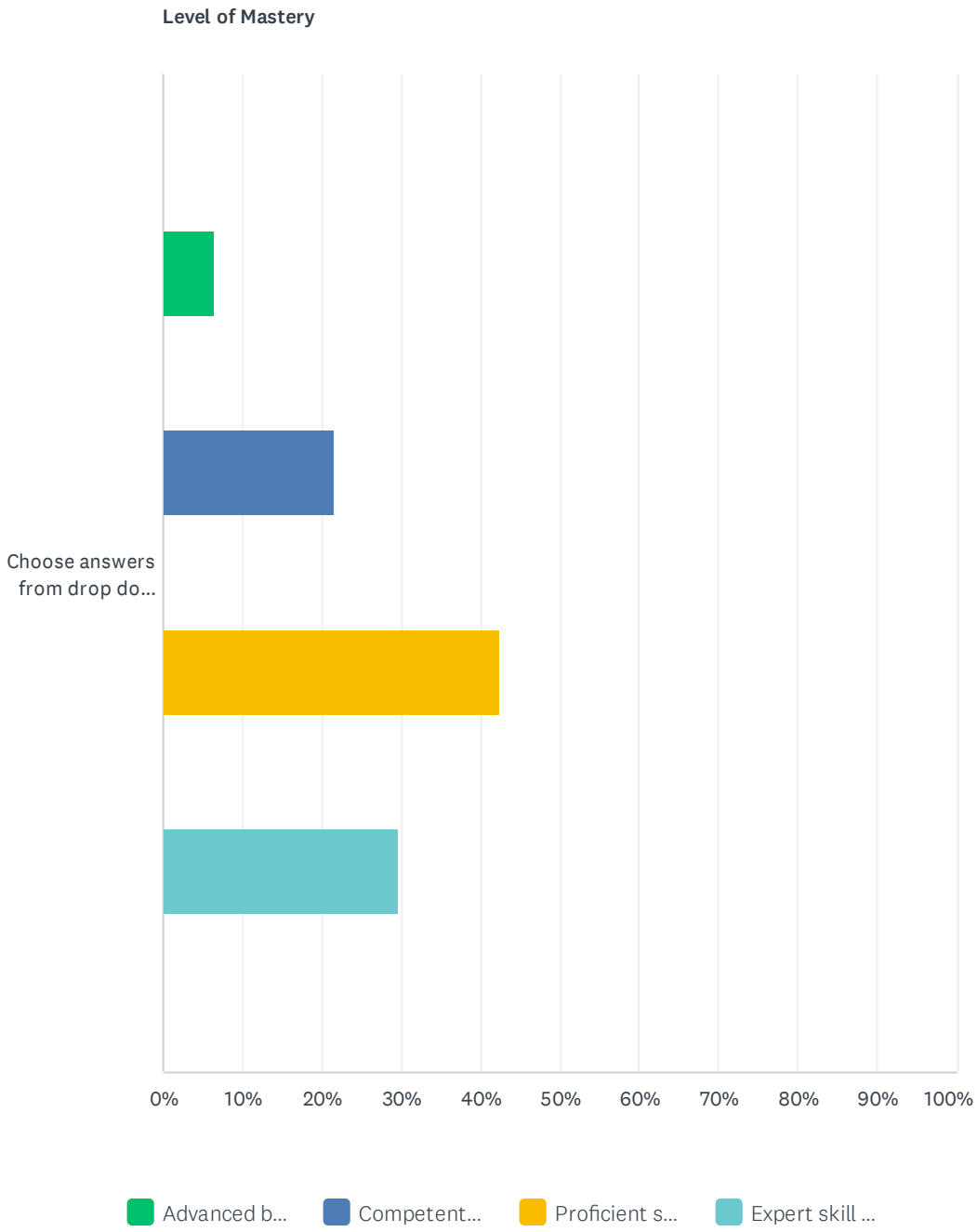


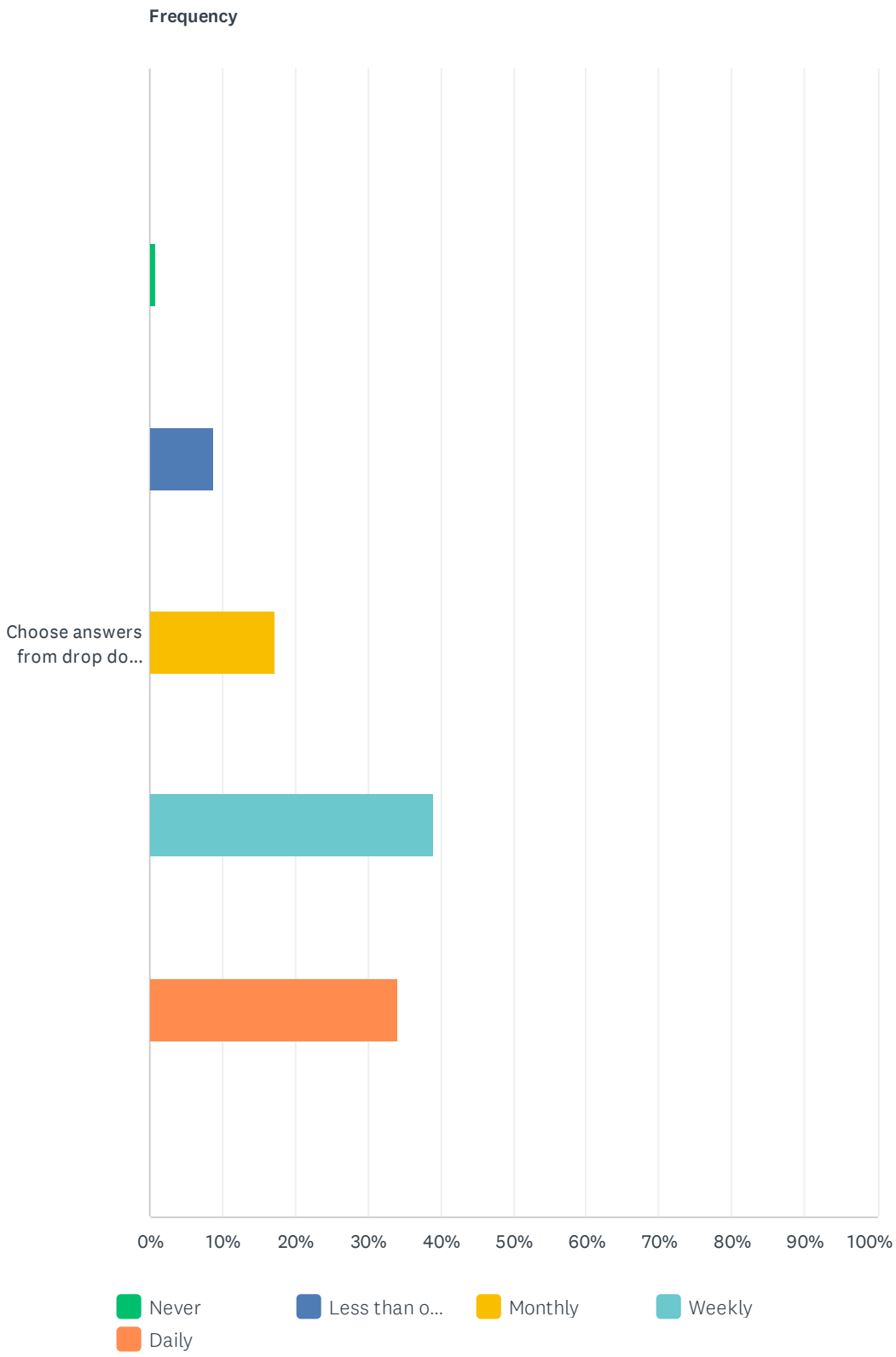

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 3.02%<br>7 | 13.36%<br>31 | 15.09%<br>35 | 29.31%<br>68 | 39.22%<br>91 | 232 |

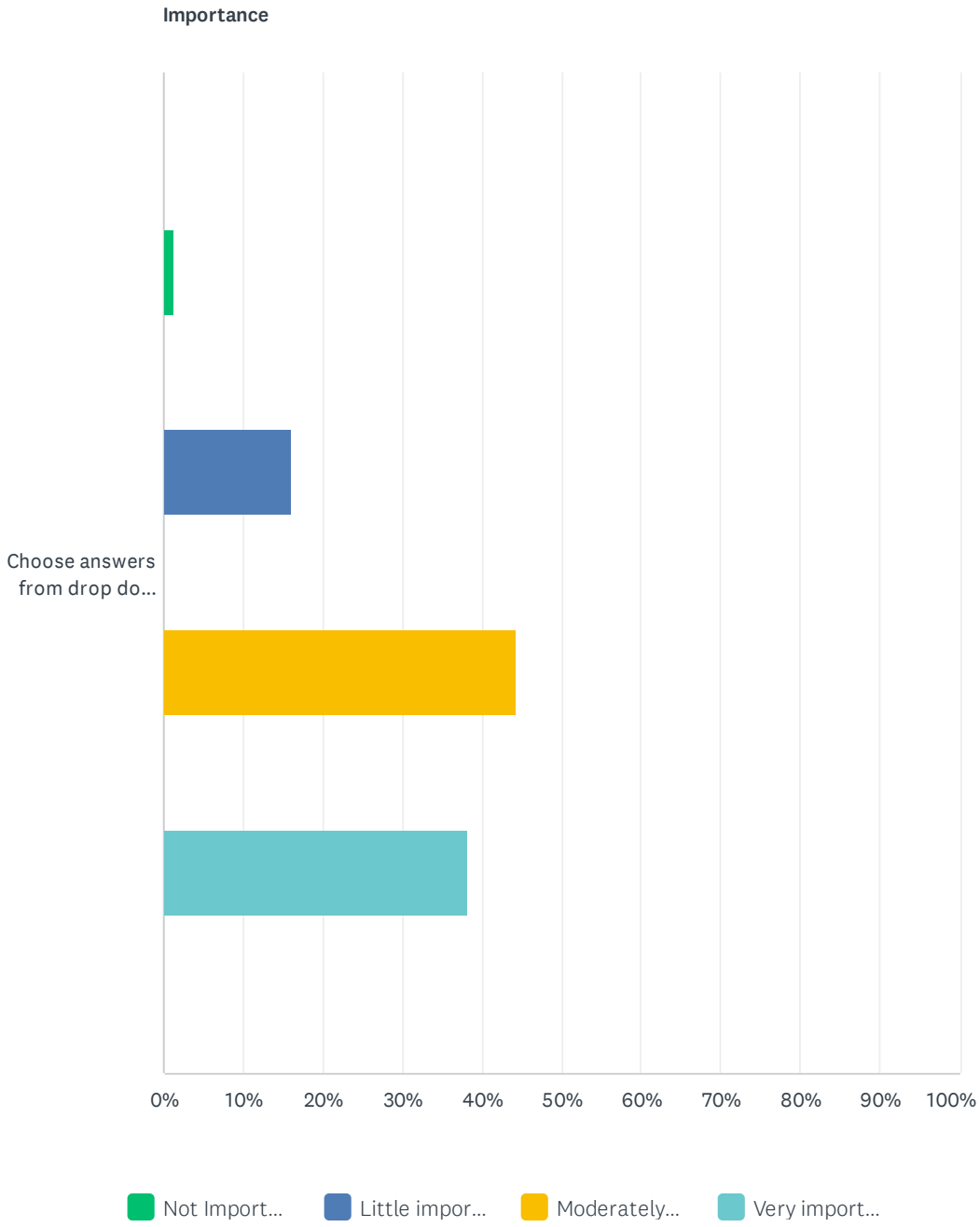
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 3.10%<br>7 | 15.93%<br>36 | 45.13%<br>102 | 35.84%<br>81 | 226 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 6.31%<br>14 | 21.62%<br>48 | 42.34%<br>94 | 29.73%<br>66 | <br>222 |

# Q142 3.5.19 Traction/distraction.

Answered: 231 Skipped: 979

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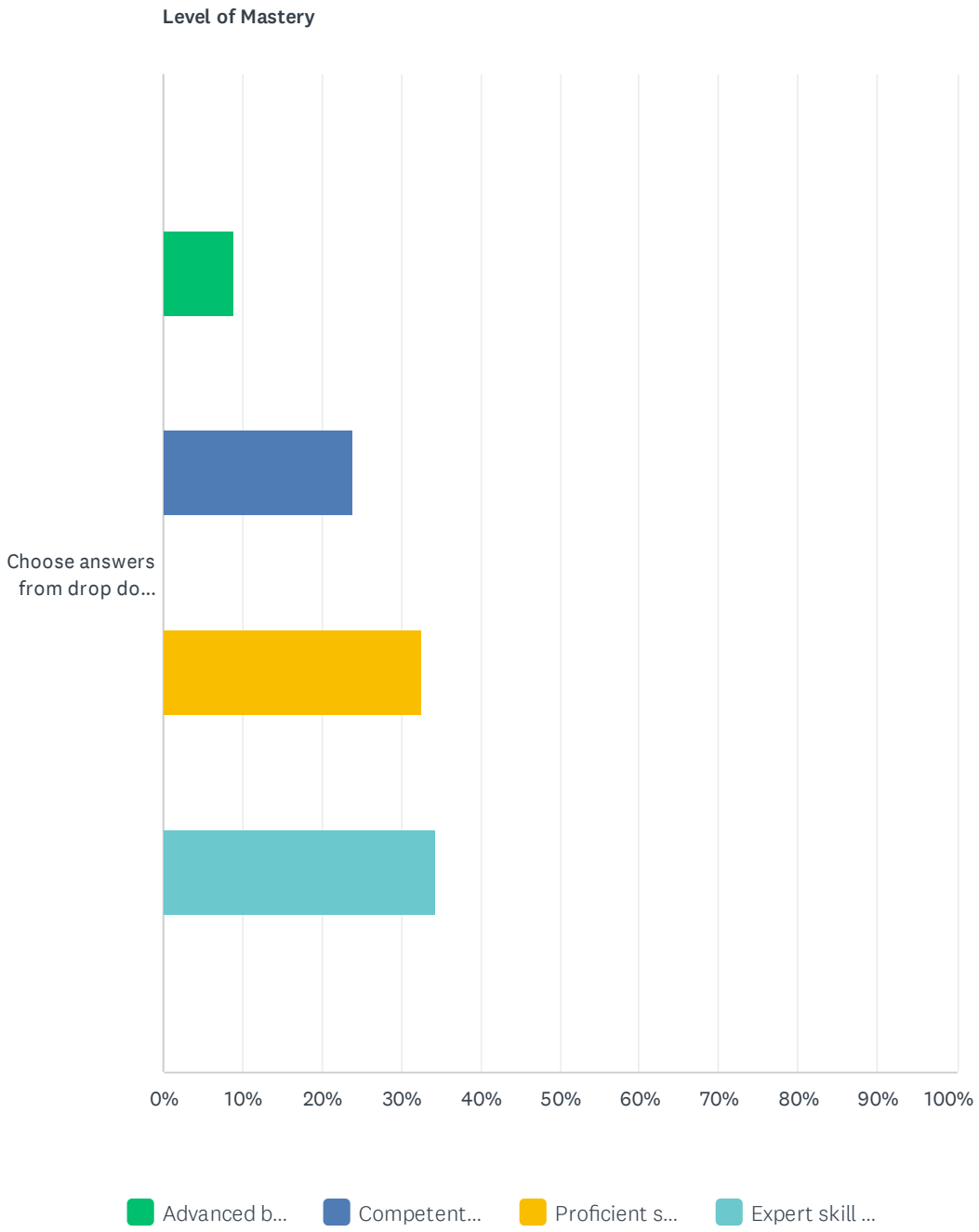


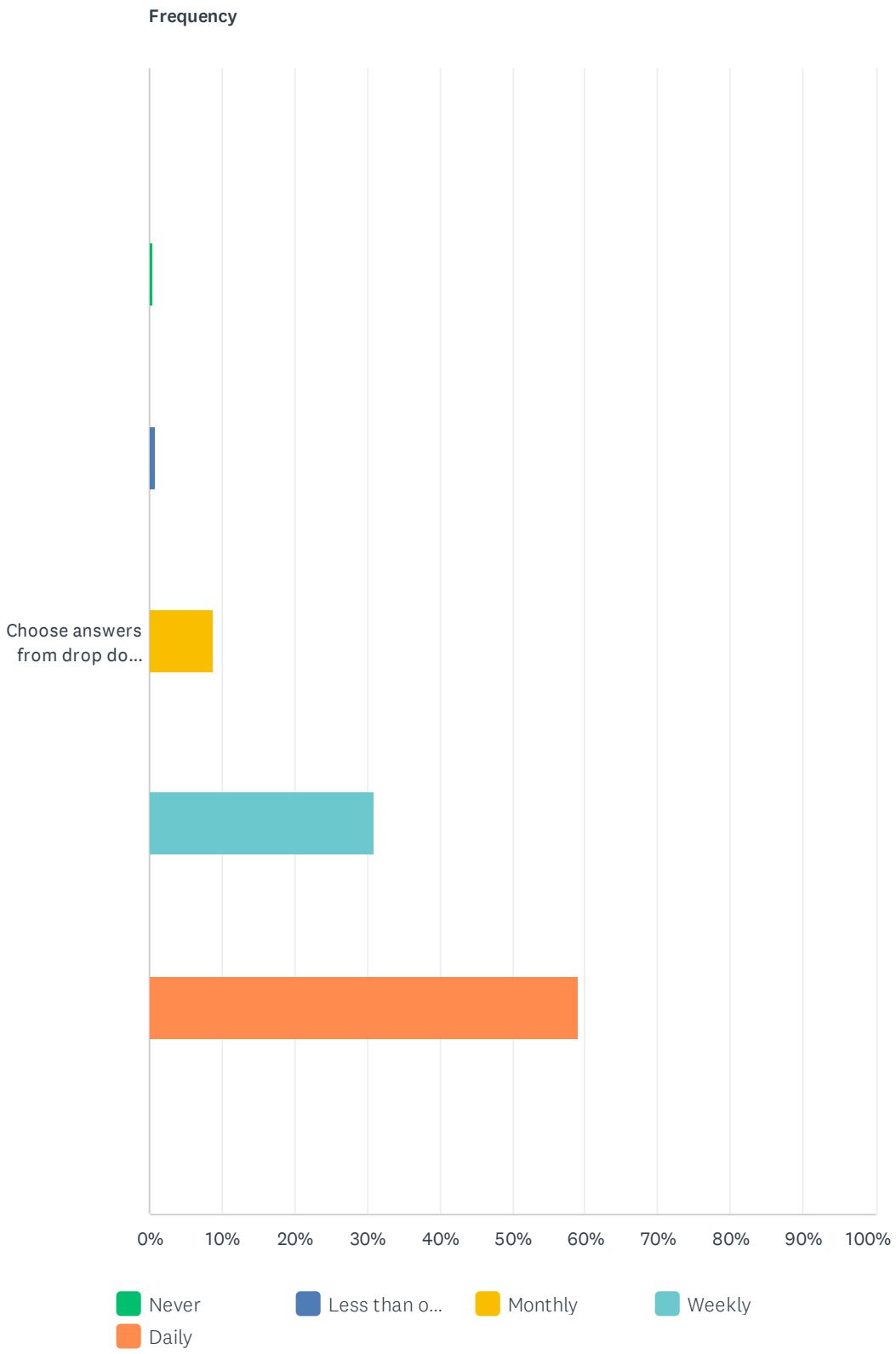

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.87%<br>2 | 8.66%<br>20 | 17.32%<br>40 | 38.96%<br>90 | 34.20%<br>79 | 231 |

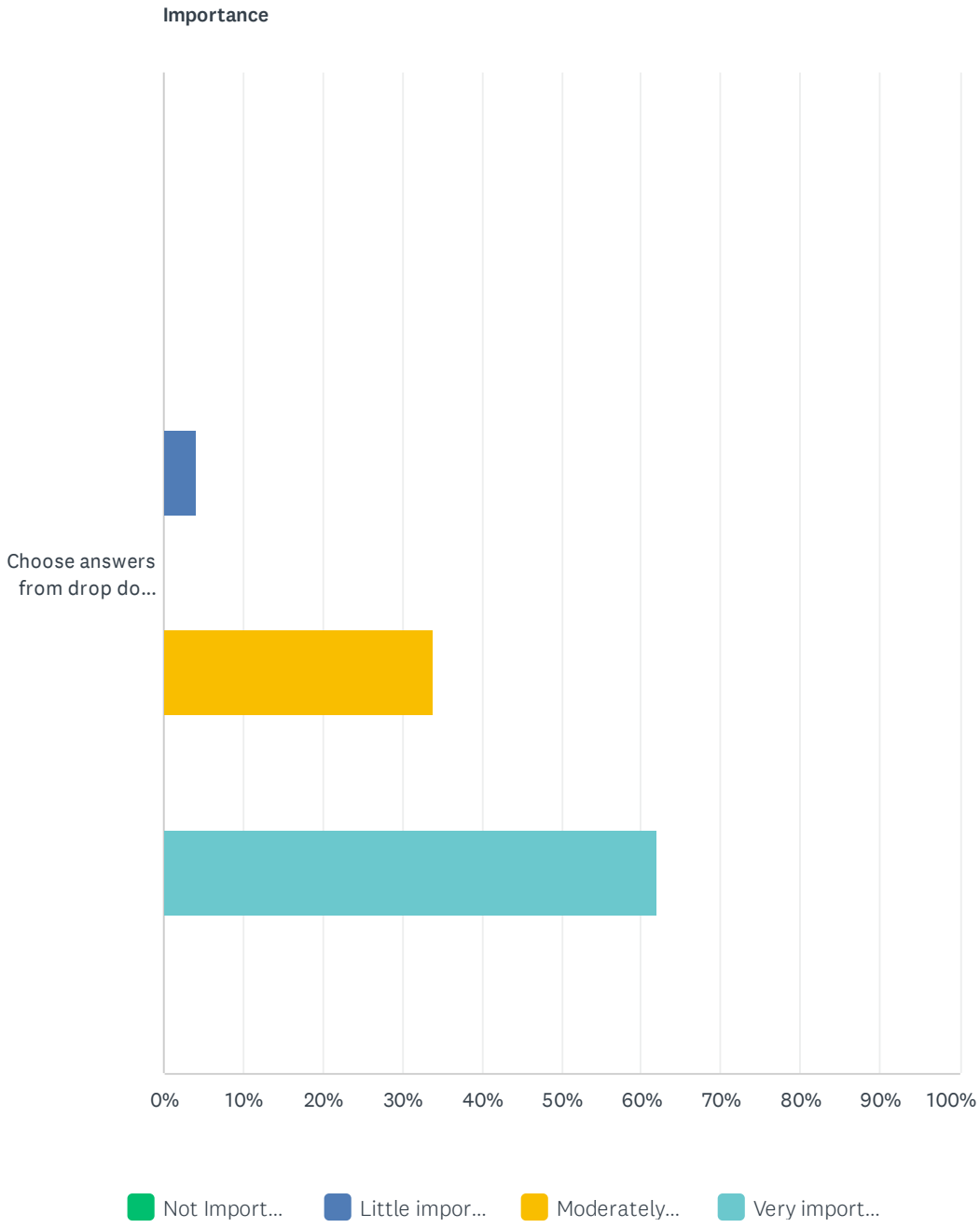
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.33%<br>3 | 16.00%<br>36 | 44.44%<br>100 | 38.22%<br>86 | 225 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 9.05%<br>20 | 23.98%<br>53 | 32.58%<br>72 | 34.39%<br>76 | <br>221 |

# Q143 3.5.4.20 Directional preference exercises/activities.

Answered: 230 Skipped: 980

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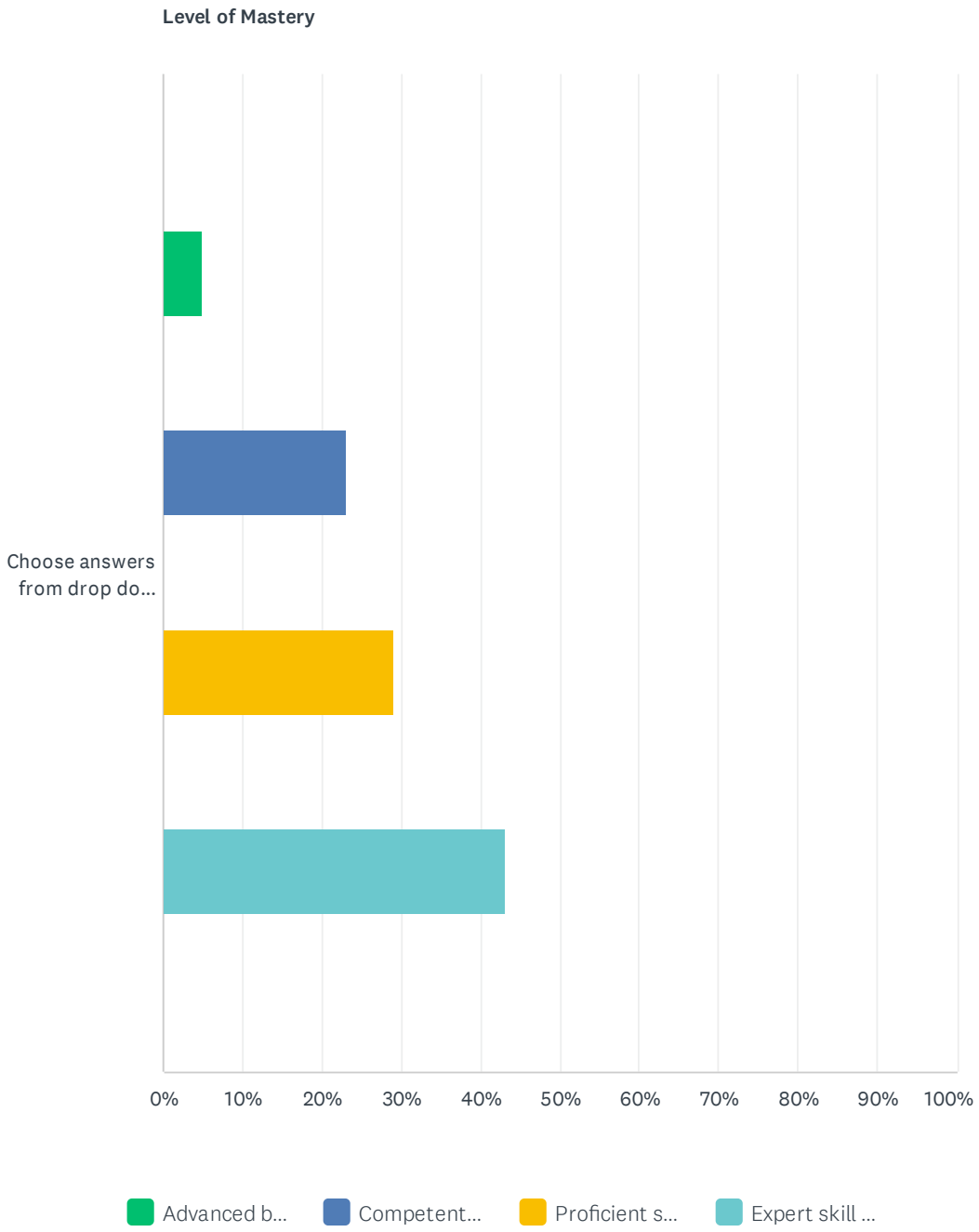


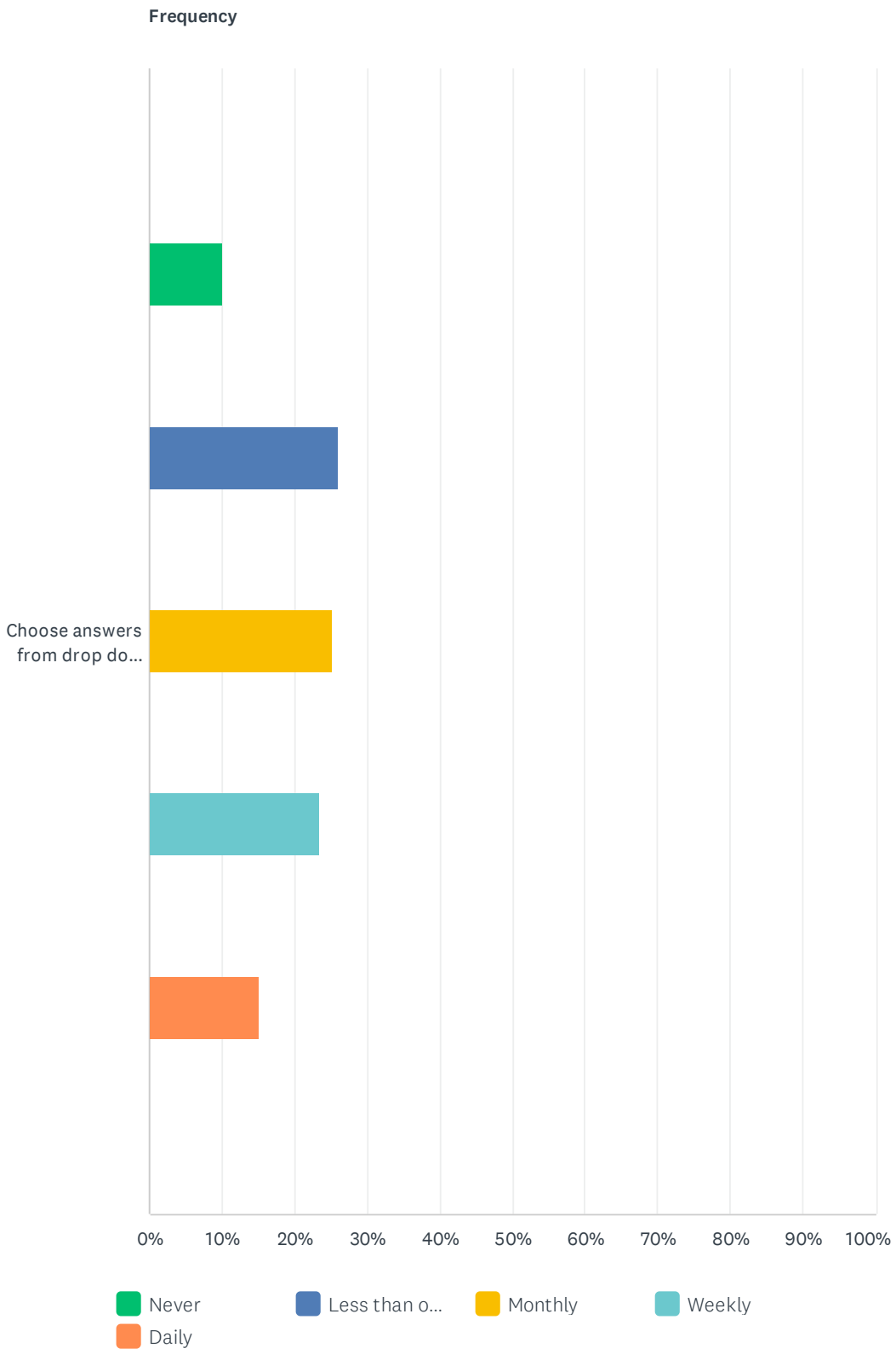

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.43%<br>1 | 0.87%<br>2 | 8.70%<br>20 | 30.87%<br>71 | 59.13%<br>136 | 230 |

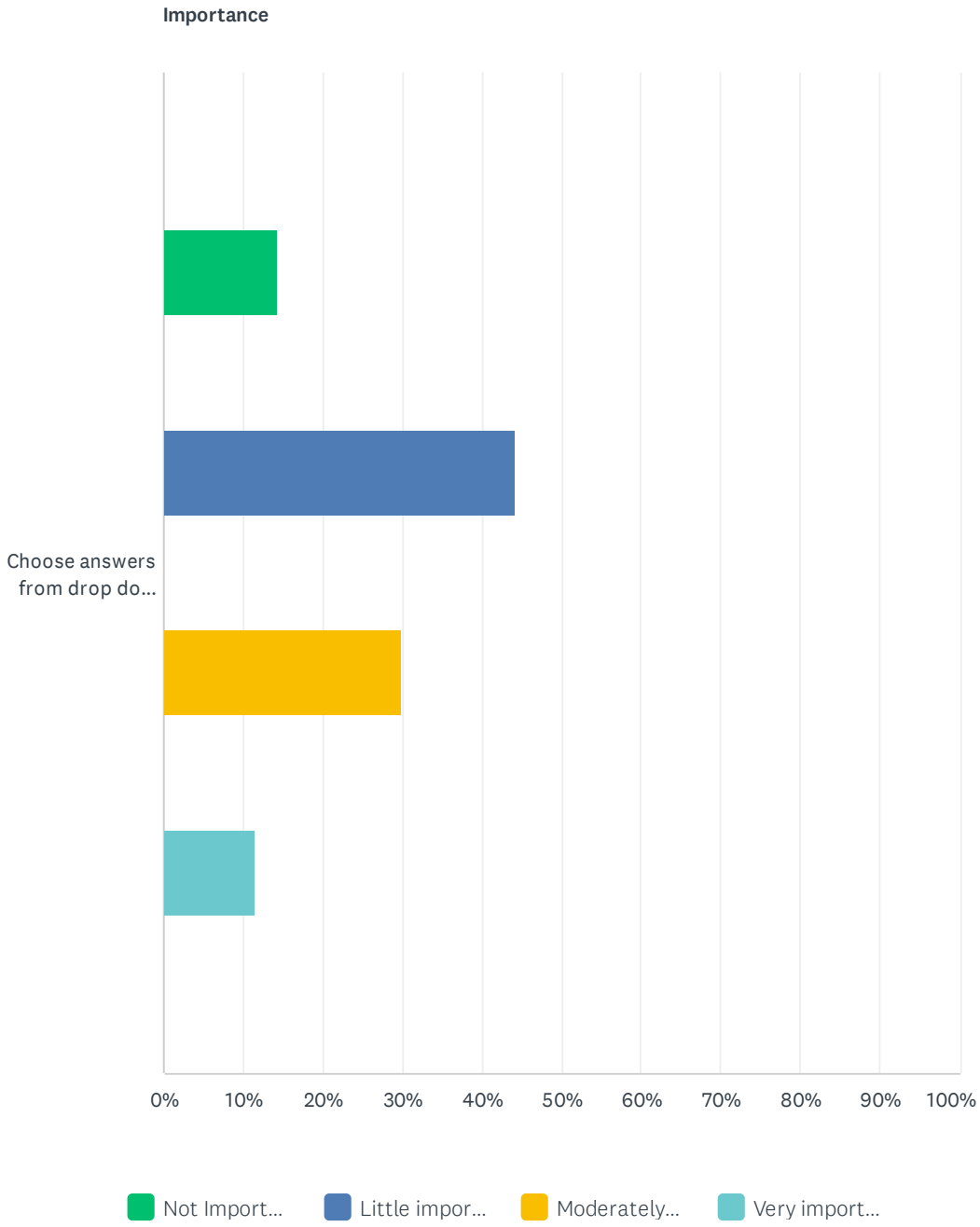
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 4.02%<br>9 | 33.93%<br>76 | 62.05%<br>139 | 224 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 4.98%<br>11 | 23.08%<br>51 | 28.96%<br>64 | 42.99%<br>95 | 221 |

# Q144 3.5.4.21 Electro-therapeutic modalities (e.g., TENS, NMES).

Answered: 230 Skipped: 980

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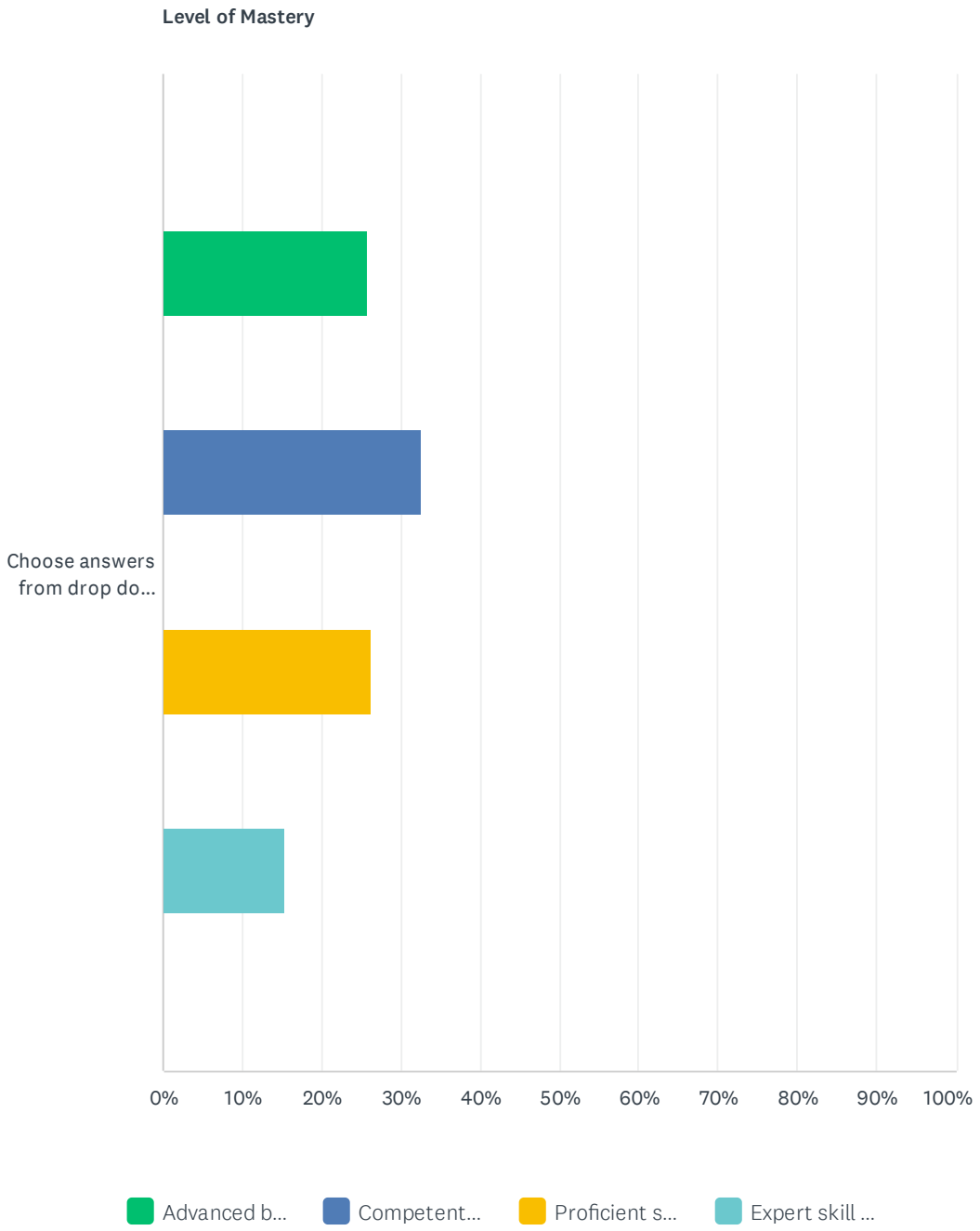


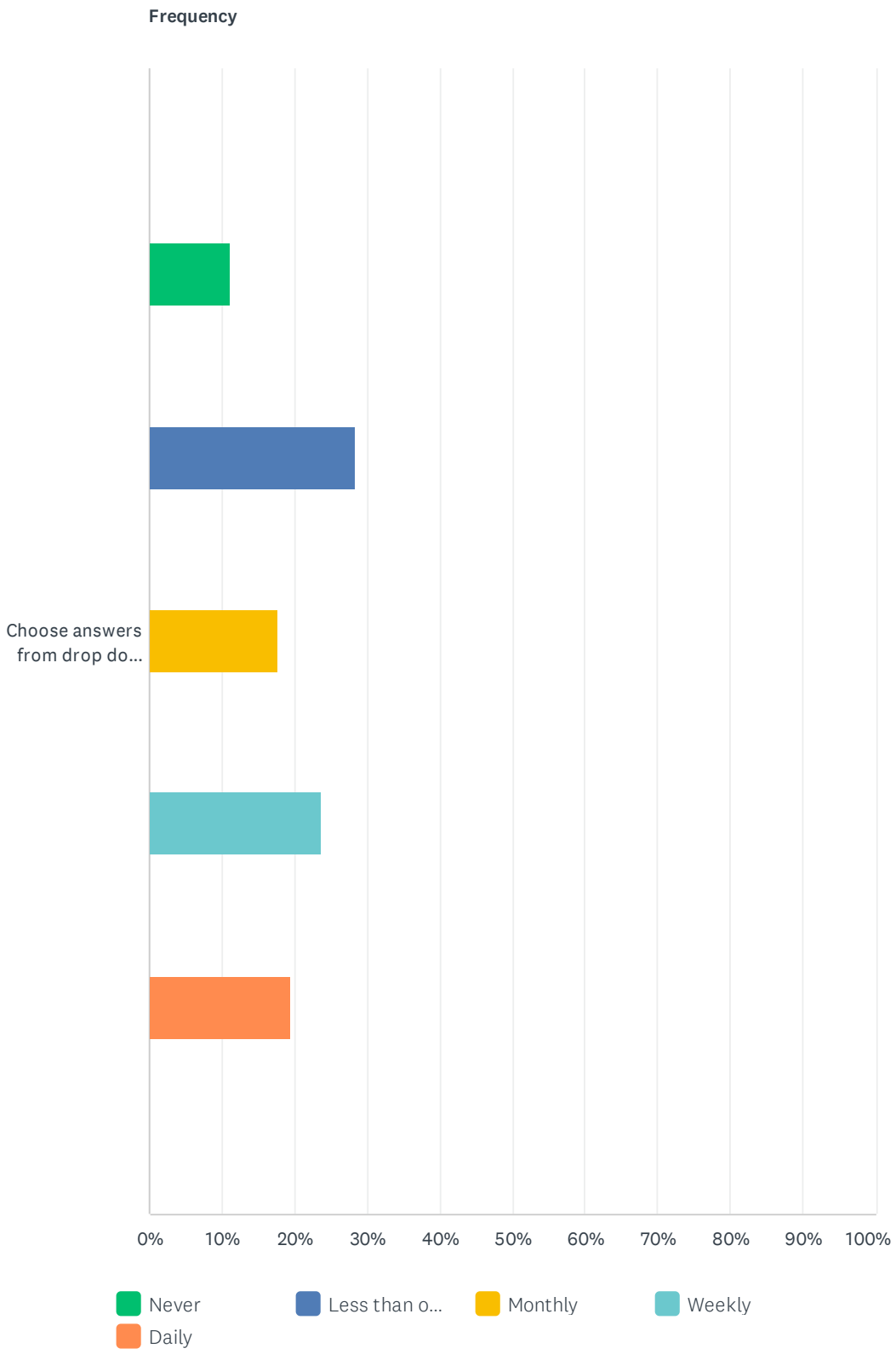

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 10.00%<br>23 | 26.09%<br>60 | 25.22%<br>58 | 23.48%<br>54 | 15.22%<br>35 | 230 |

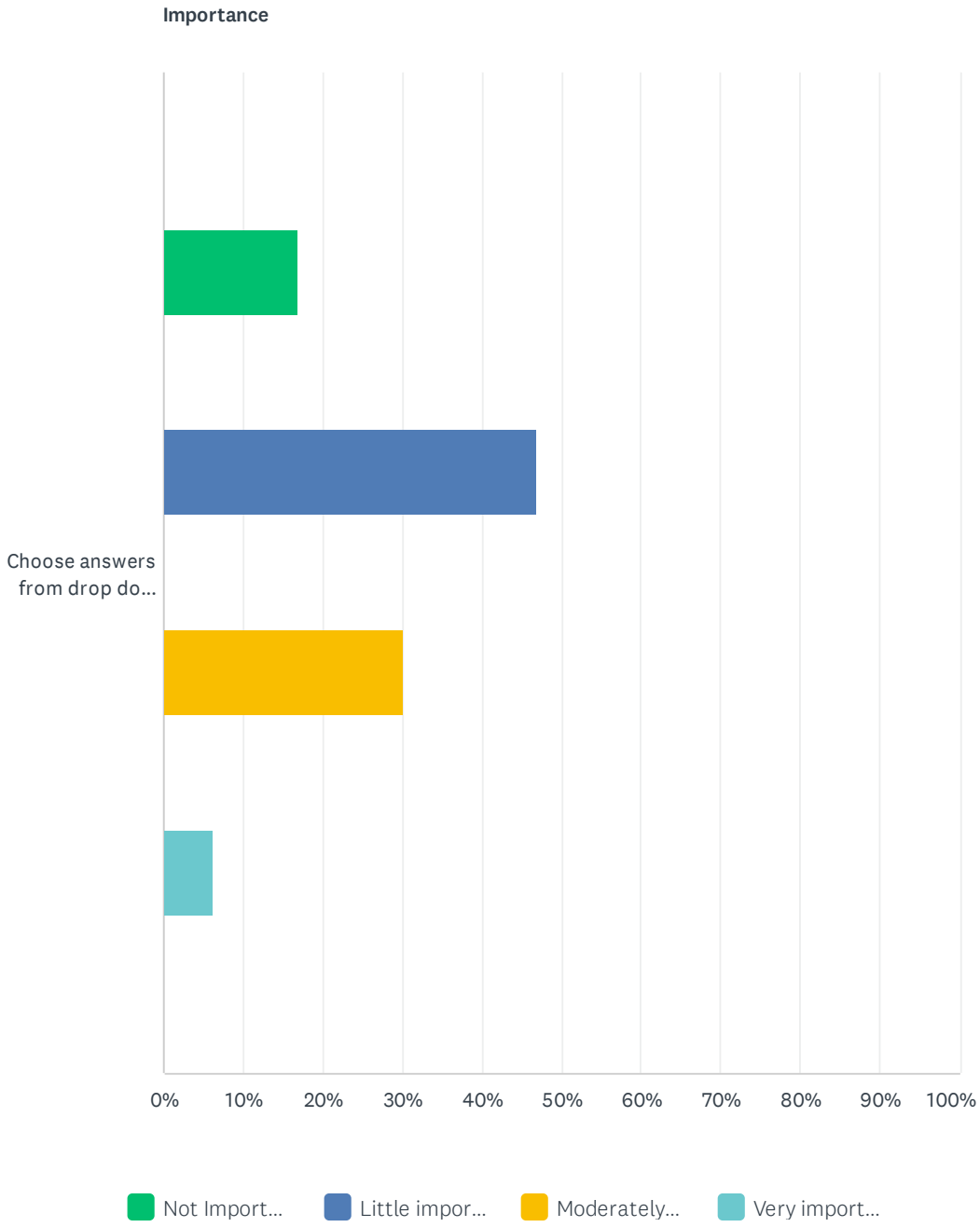
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 14.29%<br>32 | 44.20%<br>99 | 29.91%<br>67 | 11.61%<br>26 | 224 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 25.79%<br>57 | 32.58%<br>72 | 26.24%<br>58 | 15.38%<br>34 | <br>221 |

# Q145 3.5.4.22 Thermo-therapeutic modalities (e.g., heat, ice, ultrasound).

Answered: 233 Skipped: 977

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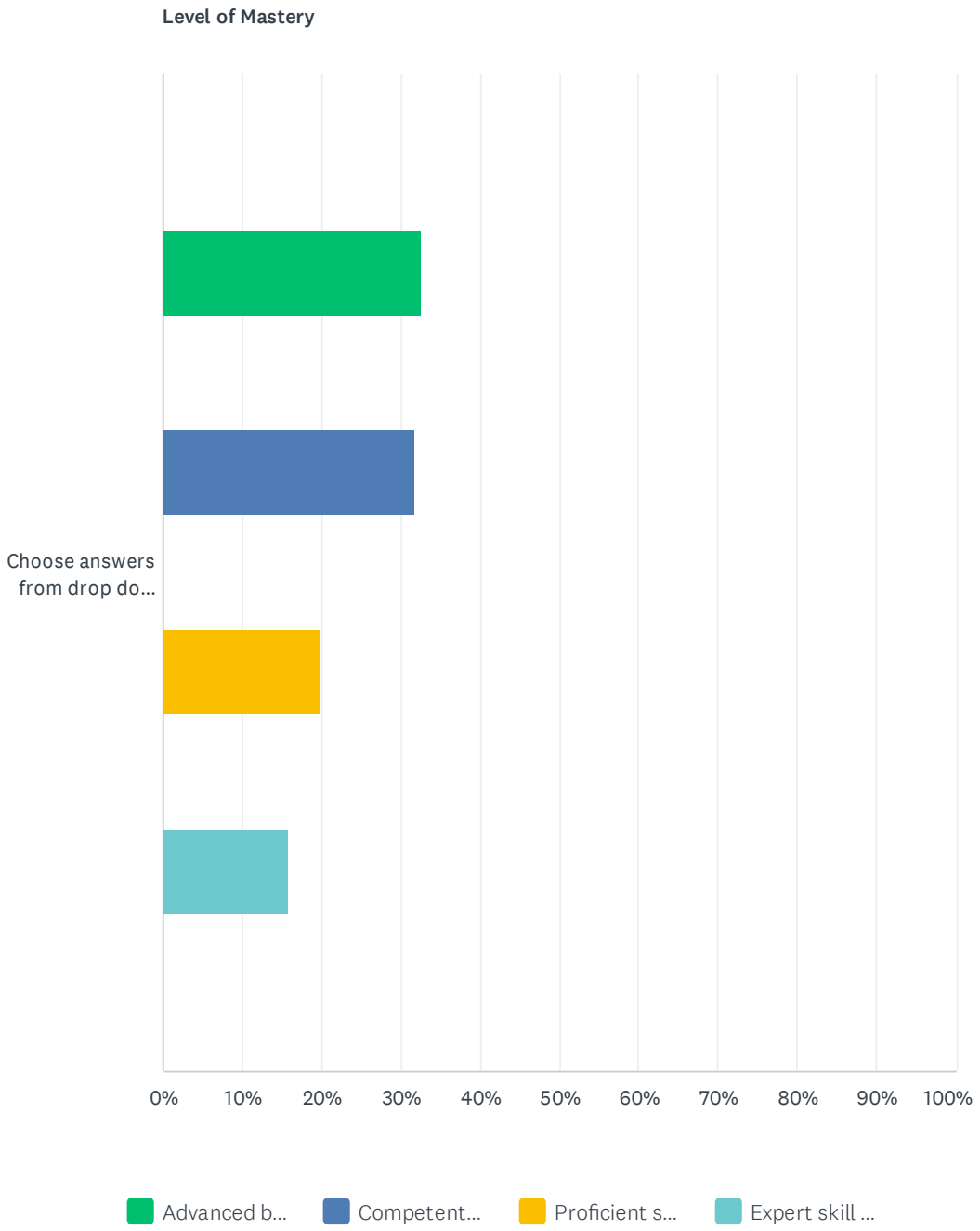


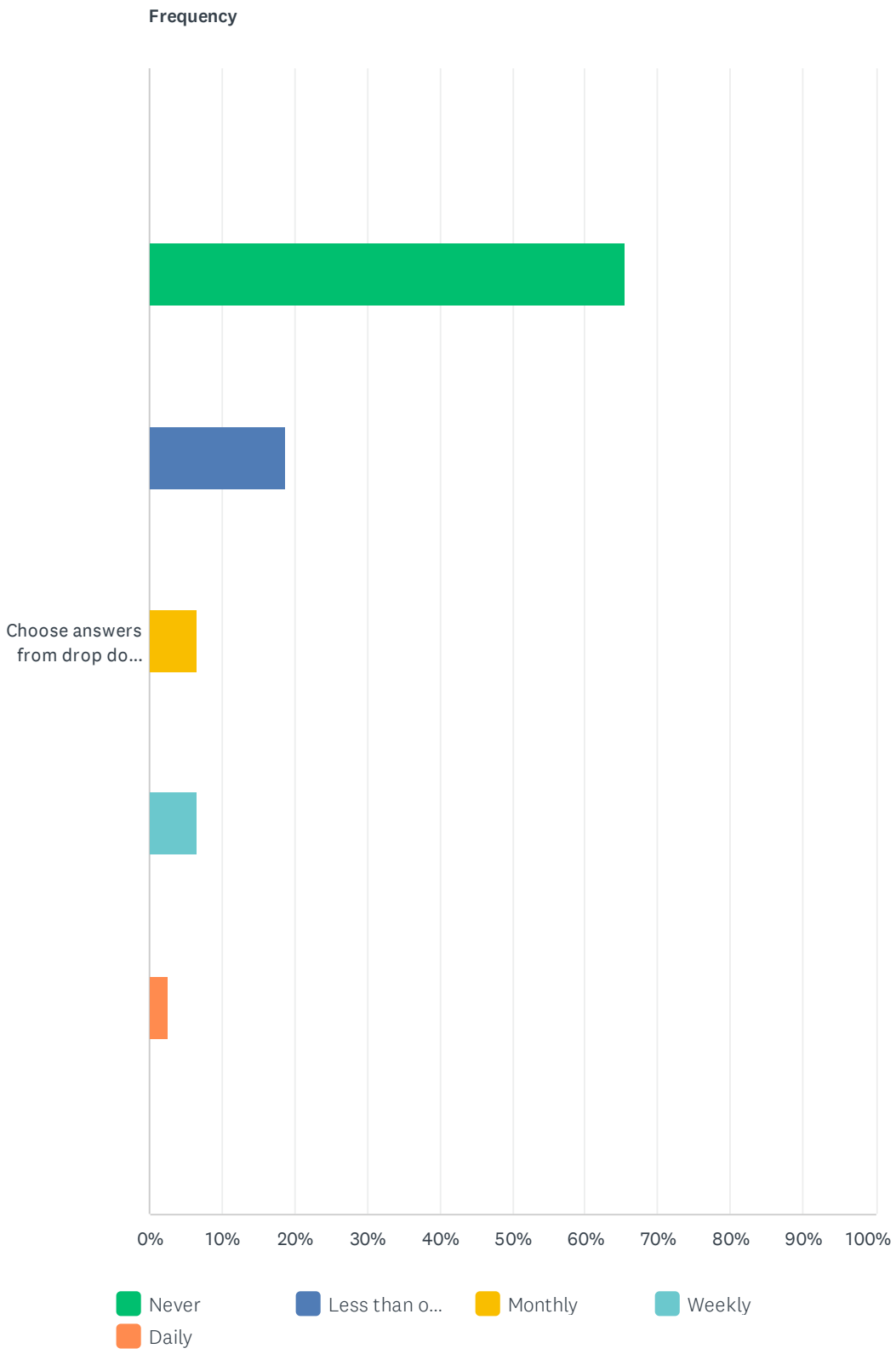

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 11.16%<br>26 | 28.33%<br>66 | 17.60%<br>41 | 23.61%<br>55 | 19.31%<br>45 | 233 |

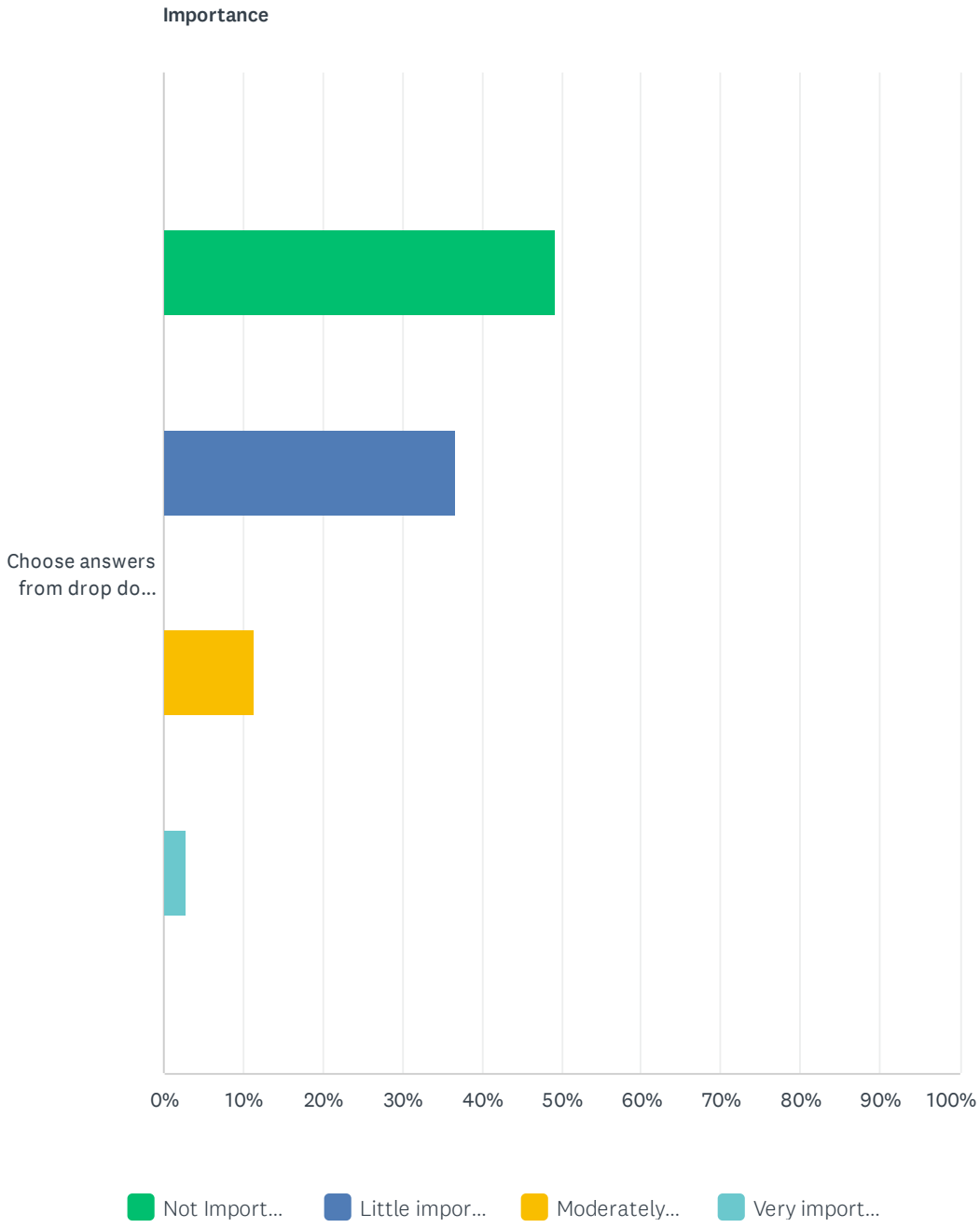
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 16.81%<br>38 | 46.90%<br>106 | 30.09%<br>68 | 6.19%<br>14 | 226 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 32.58%<br>72 | 31.67%<br>70 | 19.91%<br>44 | 15.84%<br>35 | 221 |

# Q146 3.5.23 Photo-therapeutic modalities (e.g., laser).

Answered: 229 Skipped: 981

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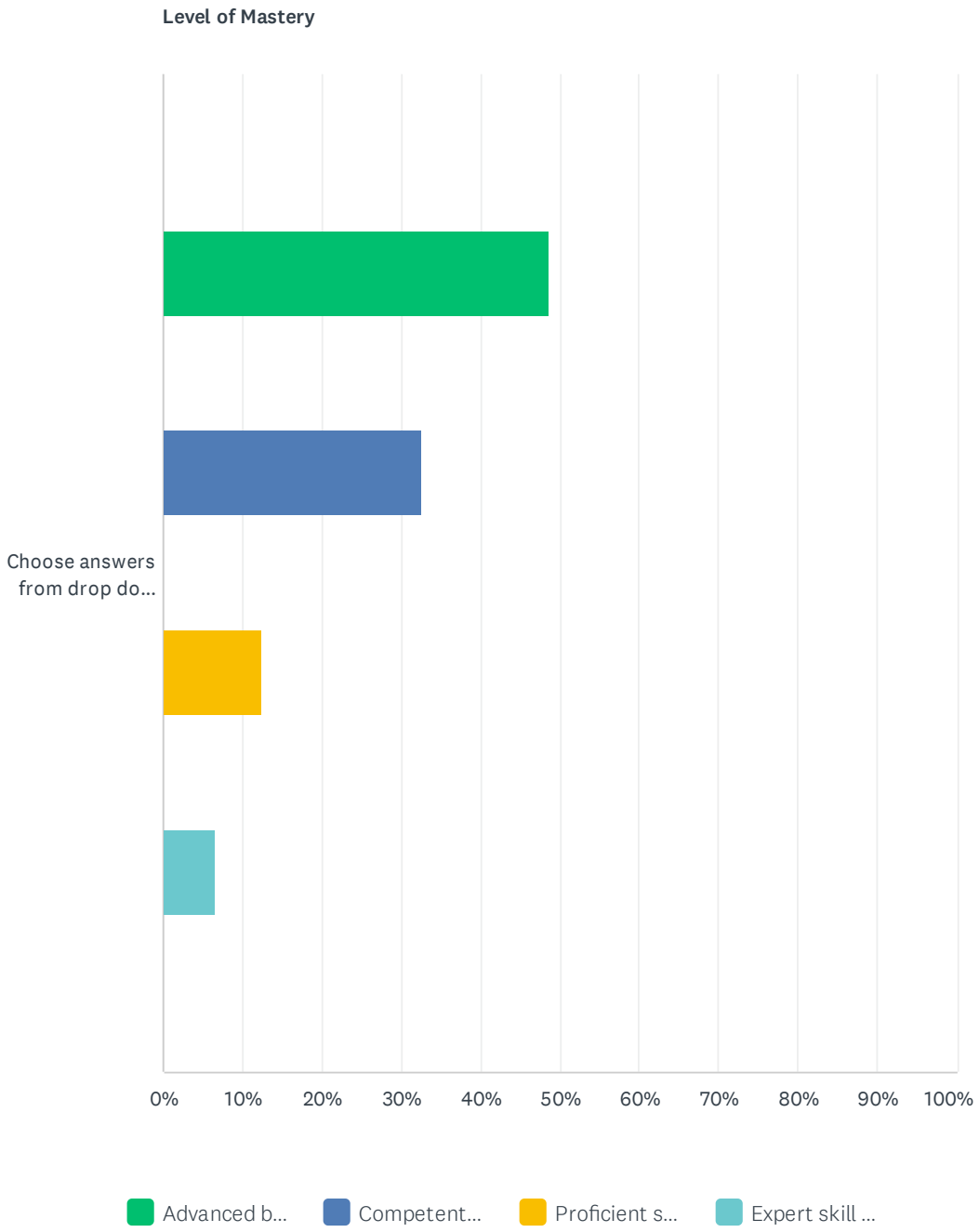


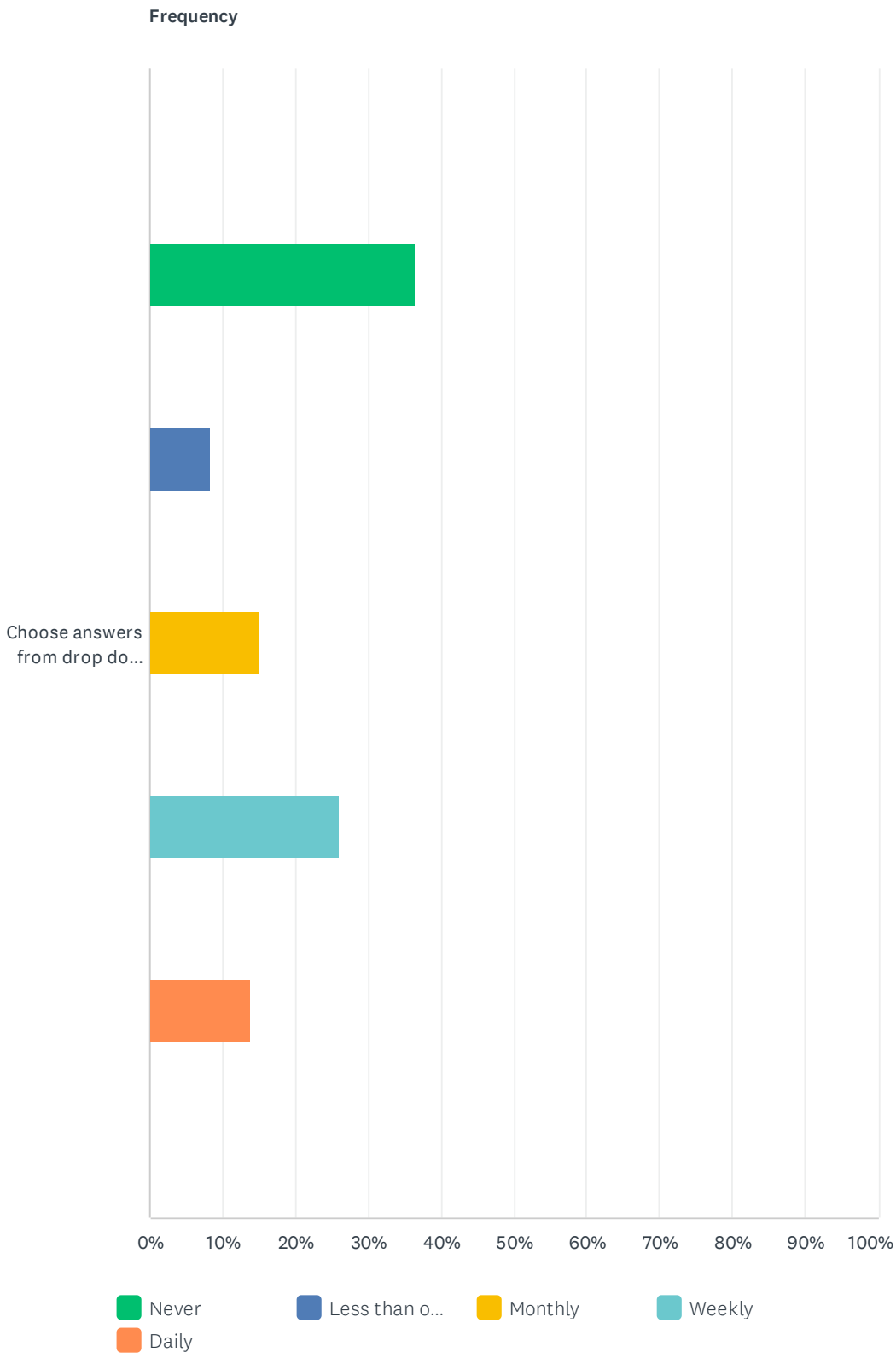

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 65.50%<br>150 | 18.78%<br>43 | 6.55%<br>15 | 6.55%<br>15 | 2.62%<br>6 | 229 |

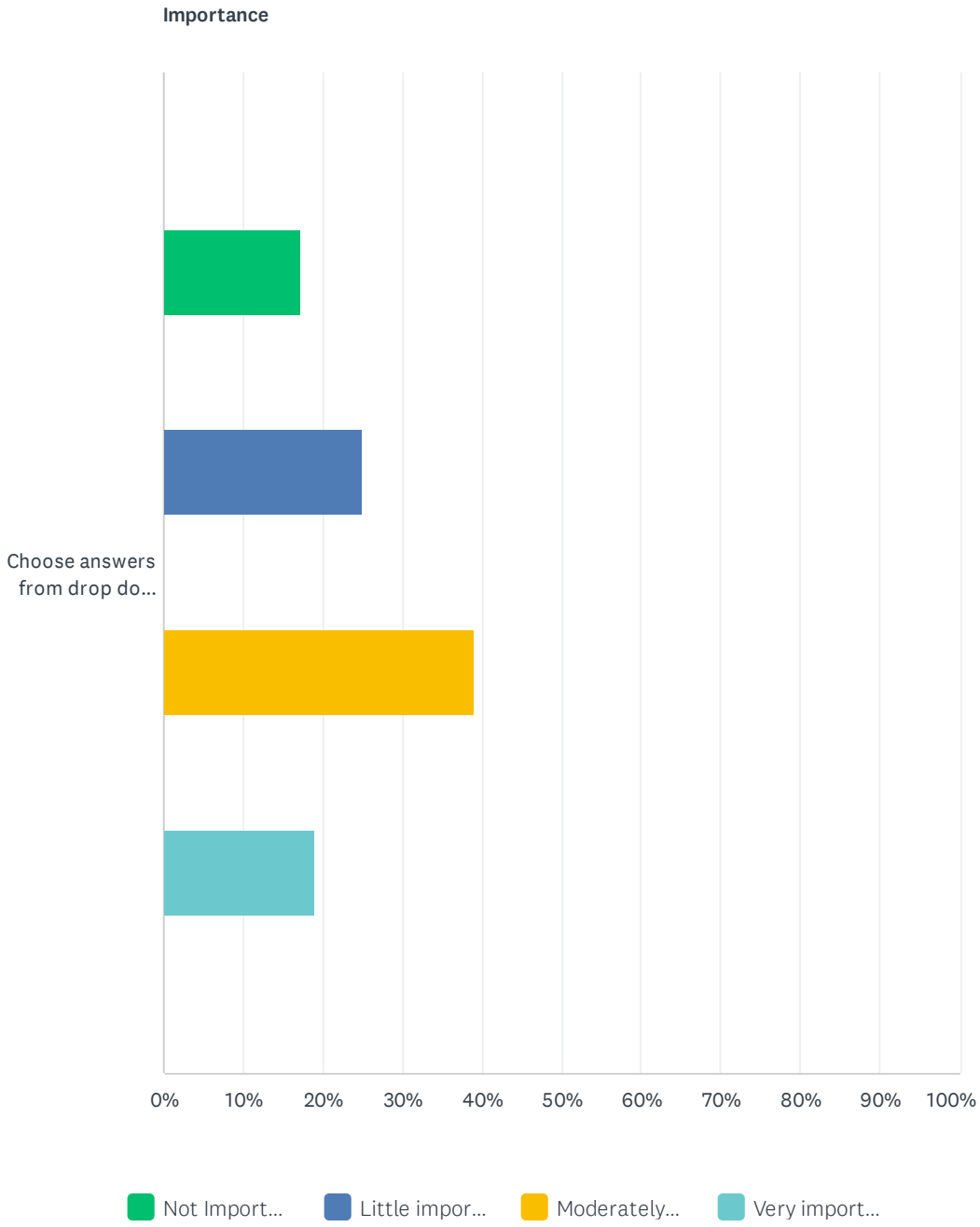
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 49.32%<br>109 | 36.65%<br>81 | 11.31%<br>25 | 2.71%<br>6 | 221 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 48.58%<br>103 | 32.55%<br>69 | 12.26%<br>26 | 6.60%<br>14 | <br>212 |

# Q147 3.5.24 Dry needling.

Answered: 230 Skipped: 980

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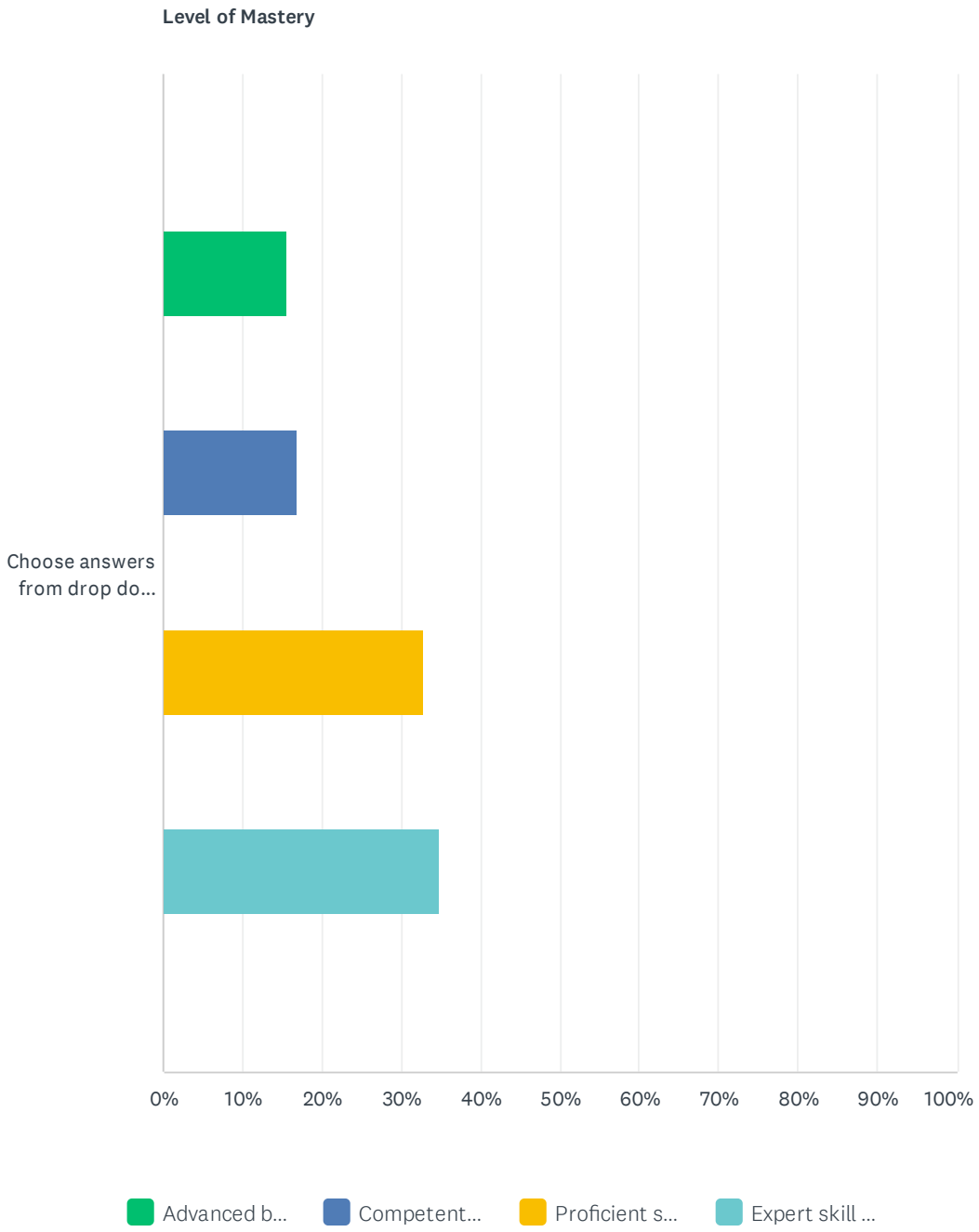


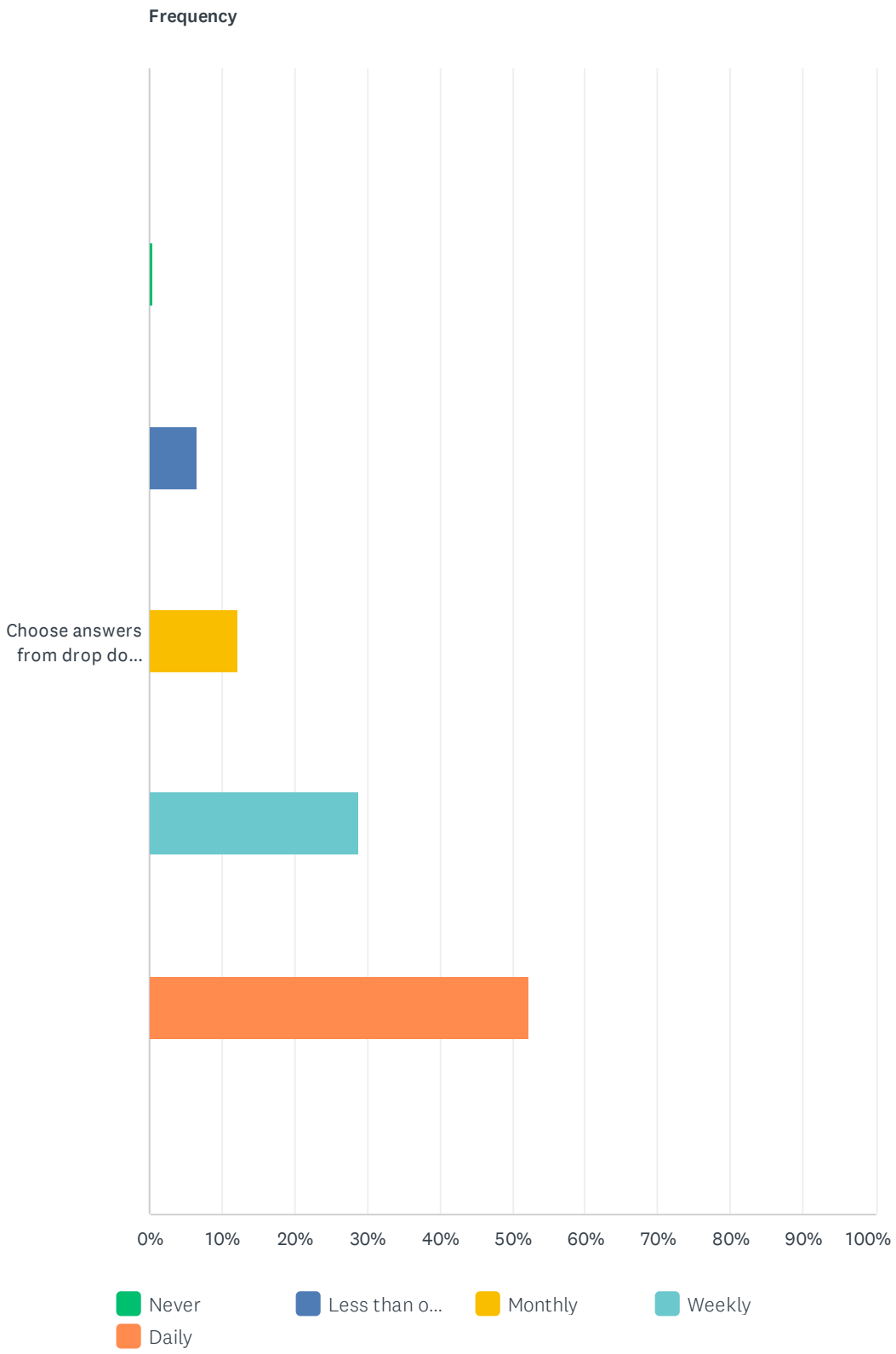

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 36.52%<br>84 | 8.26%<br>19 | 15.22%<br>35 | 26.09%<br>60 | 13.91%<br>32 | 230 |

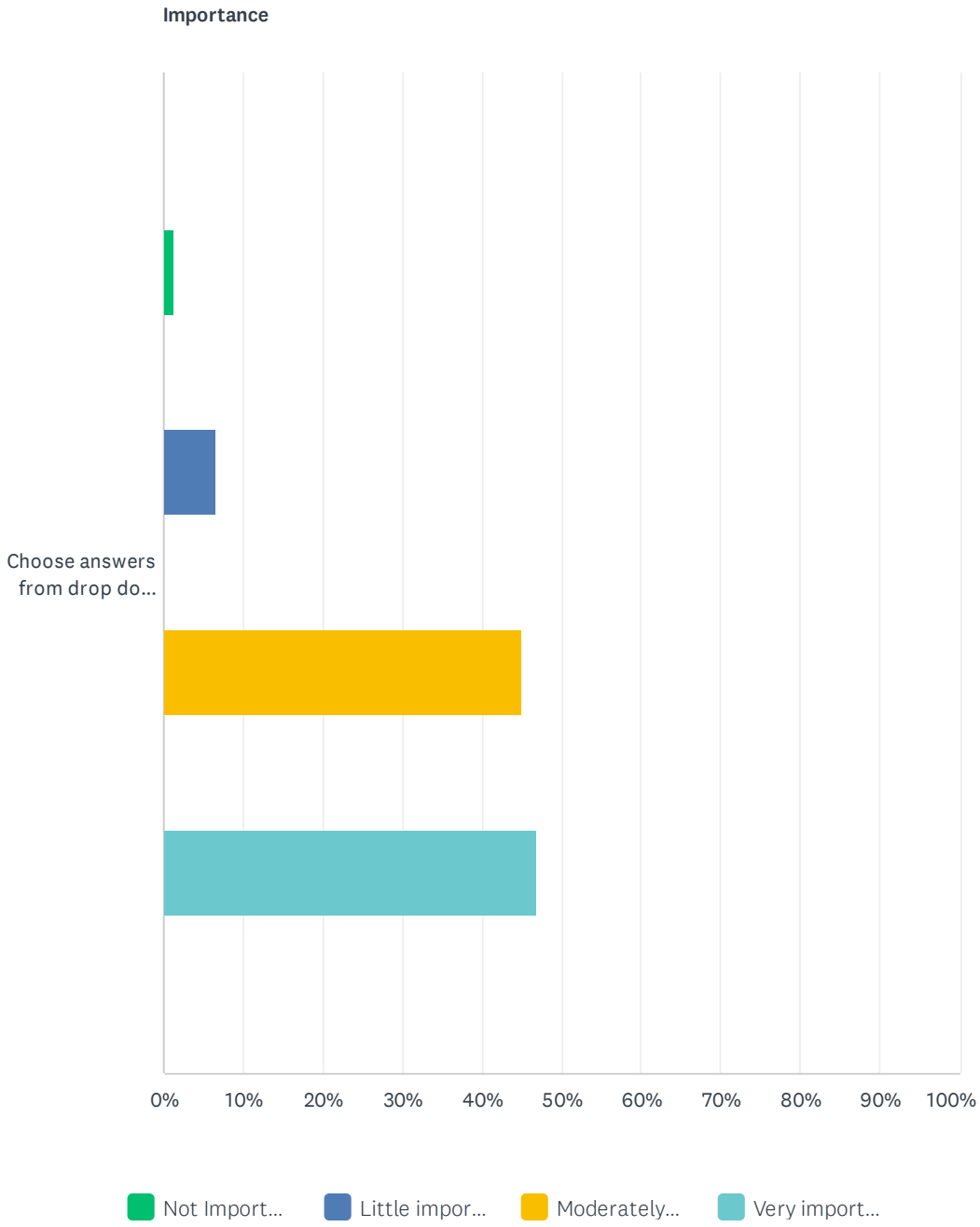
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 17.19%<br>38 | 24.89%<br>55 | 38.91%<br>86 | 19.00%<br>42 | 221 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 15.49%<br>33 | 16.90%<br>36 | 32.86%<br>70 | 34.74%<br>74 | <br>213 |

# Q148 3.5.25 Aerobic capacity and endurance exercises.

Answered: 230 Skipped: 980

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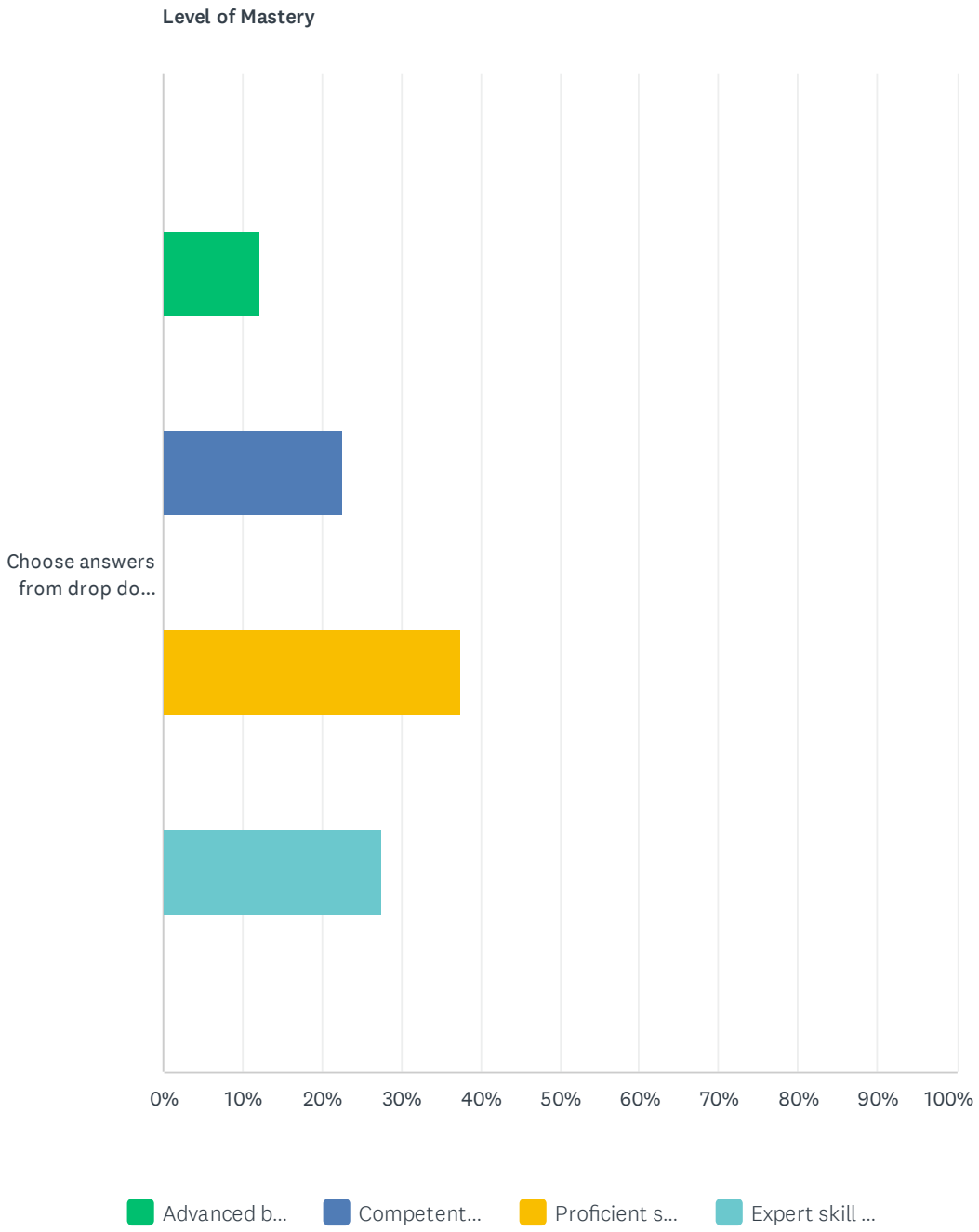


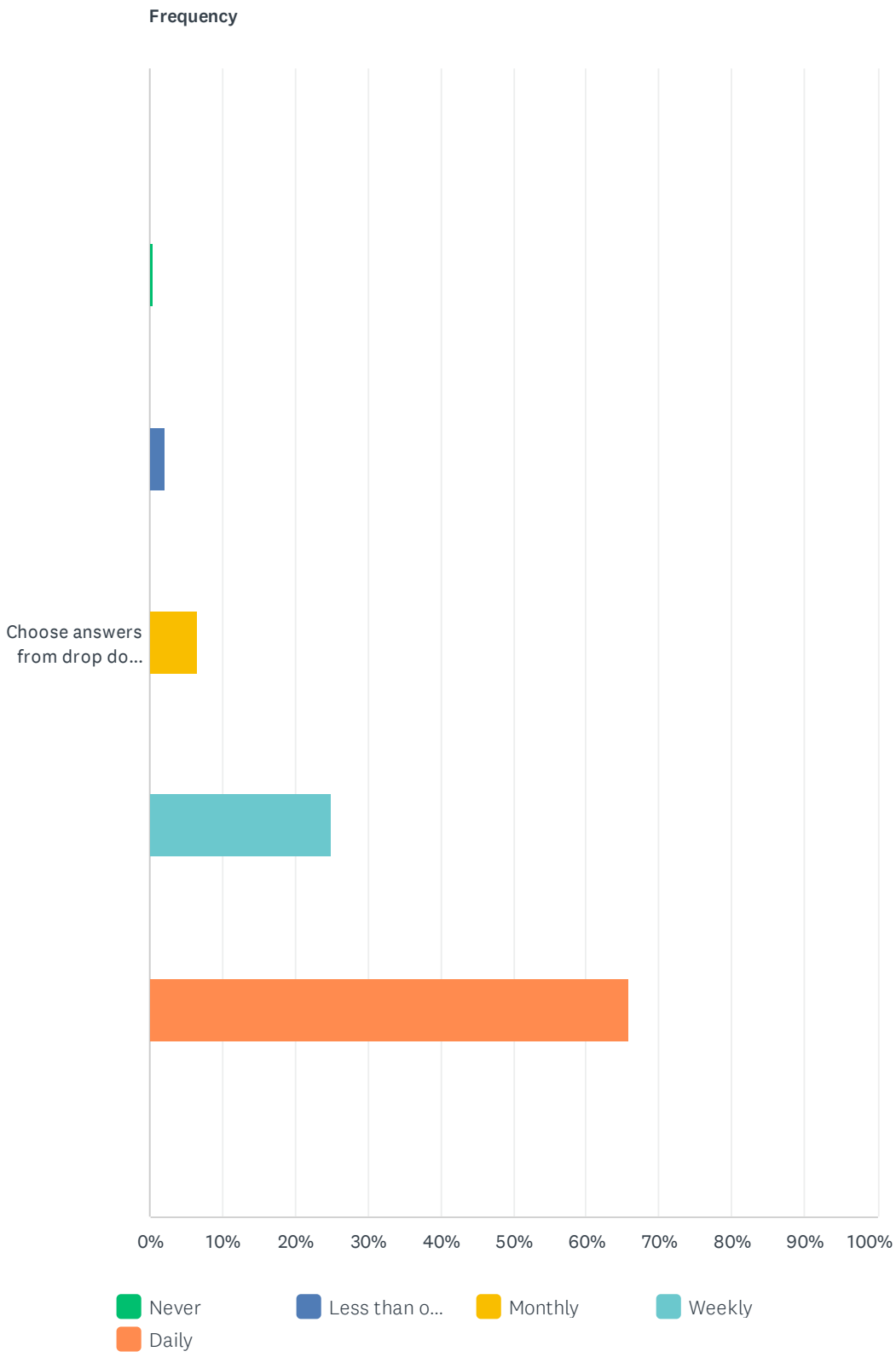

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.43%<br>1 | 6.52%<br>15 | 12.17%<br>28 | 28.70%<br>66 | 52.17%<br>120 | 230 |

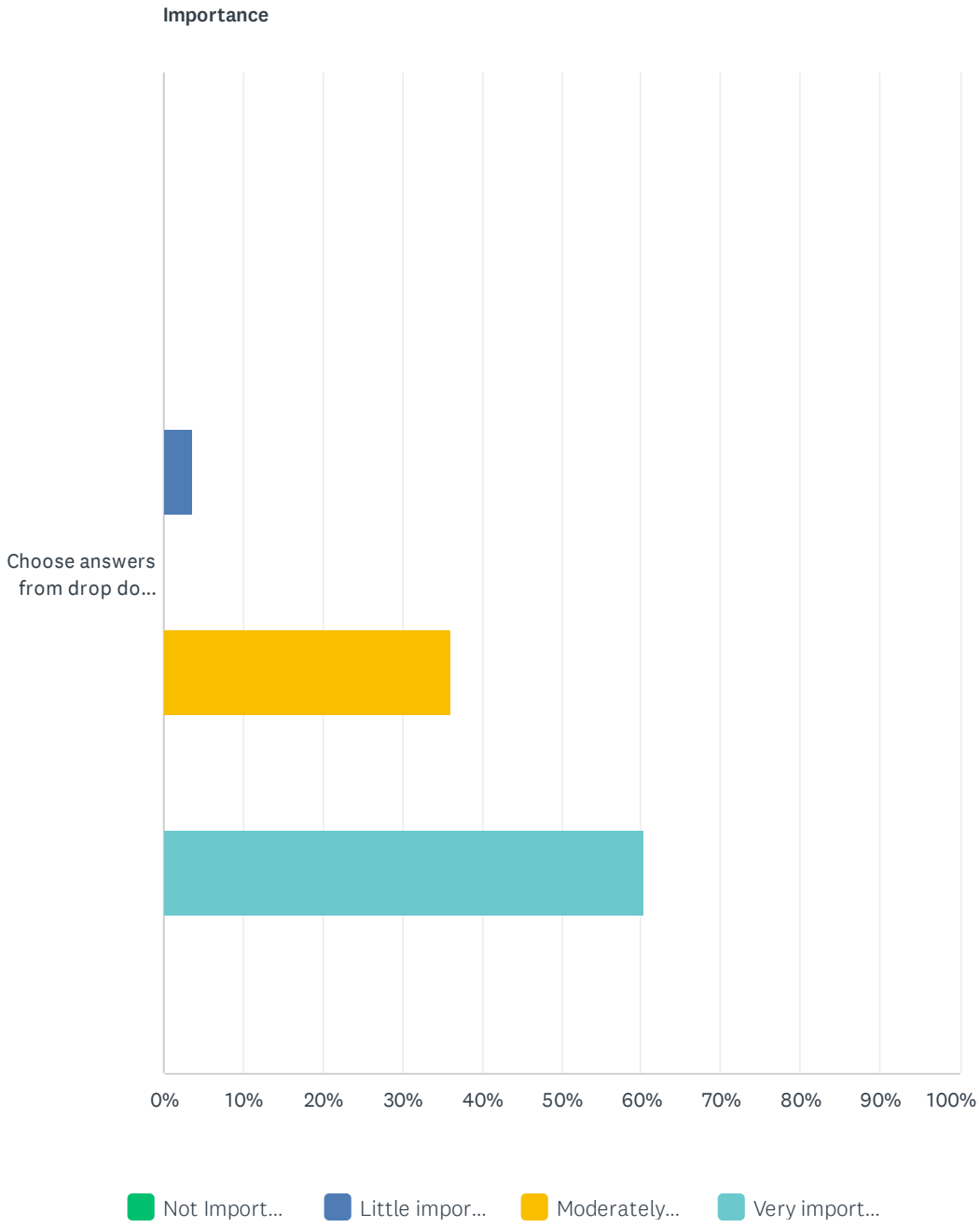
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.34%<br>3 | 6.70%<br>15 | 45.09%<br>101 | 46.88%<br>105 | 224 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 12.22%<br>27 | 22.62%<br>50 | 37.56%<br>83 | 27.60%<br>61 | <br>221 |

# Q149 3.5.26 Motor coordination.

Answered: 229 Skipped: 981




Importance
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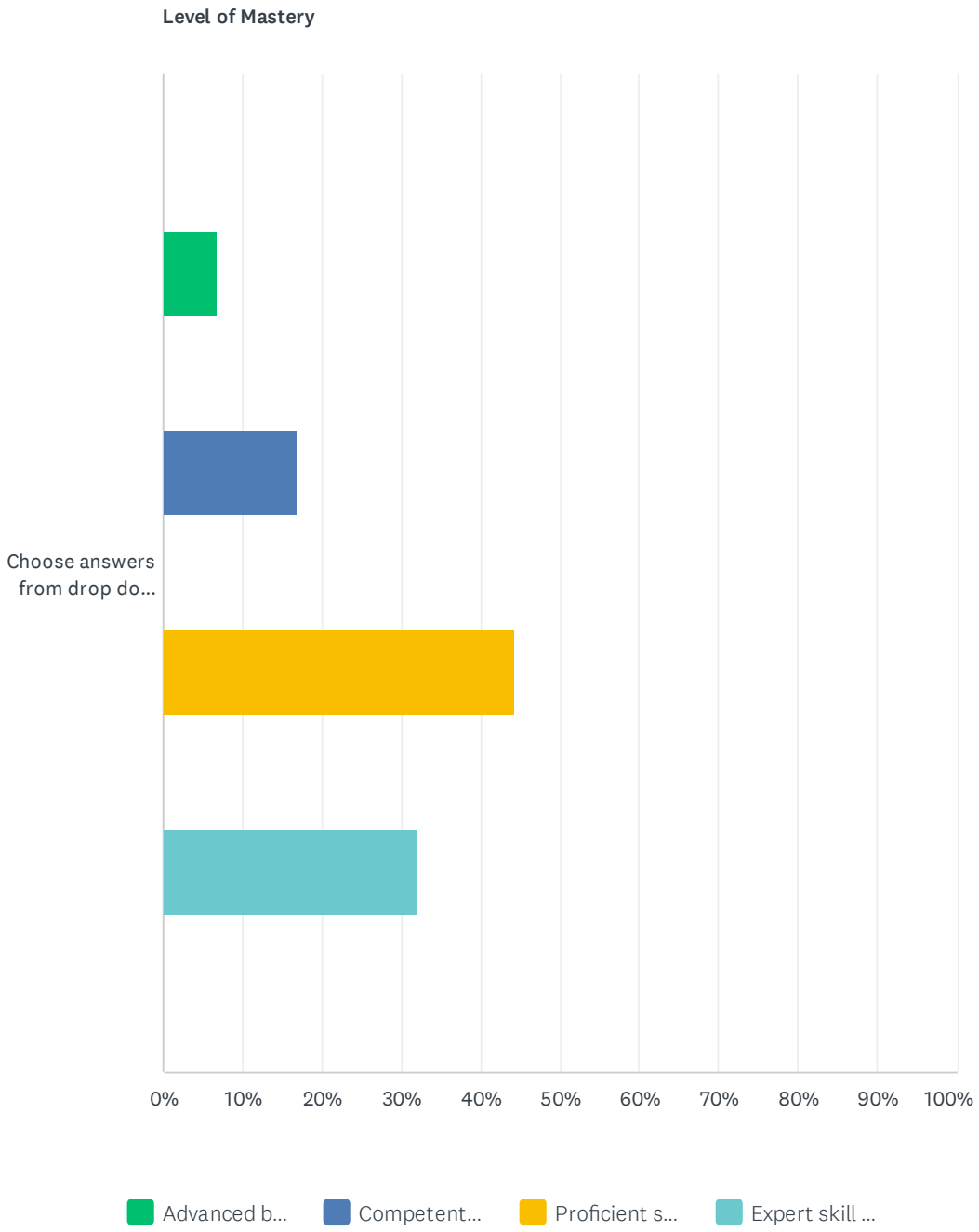


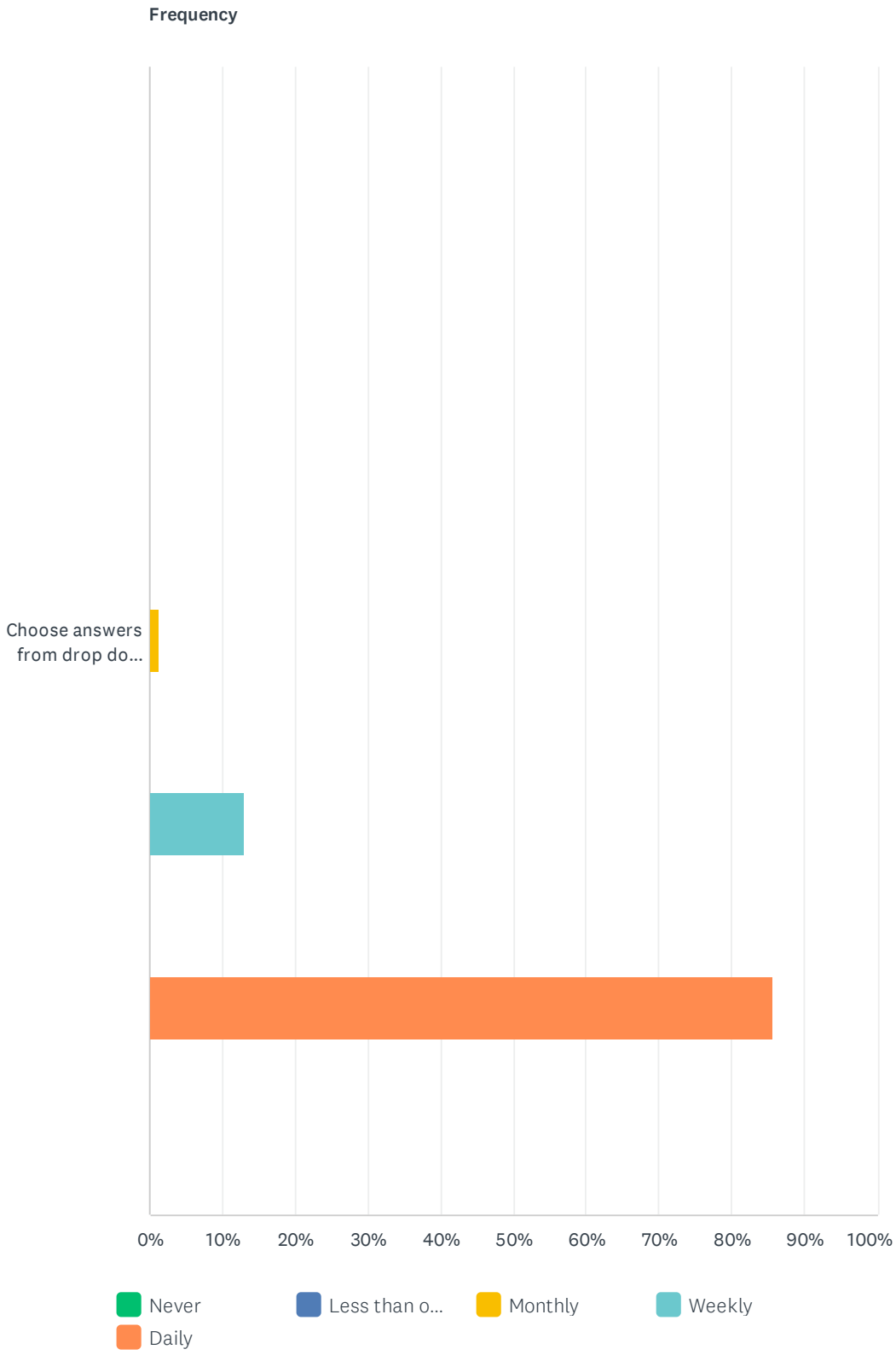

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.44%<br>1 | 2.18%<br>5 | 6.55%<br>15 | 24.89%<br>57 | 65.94%<br>151 | 229 |

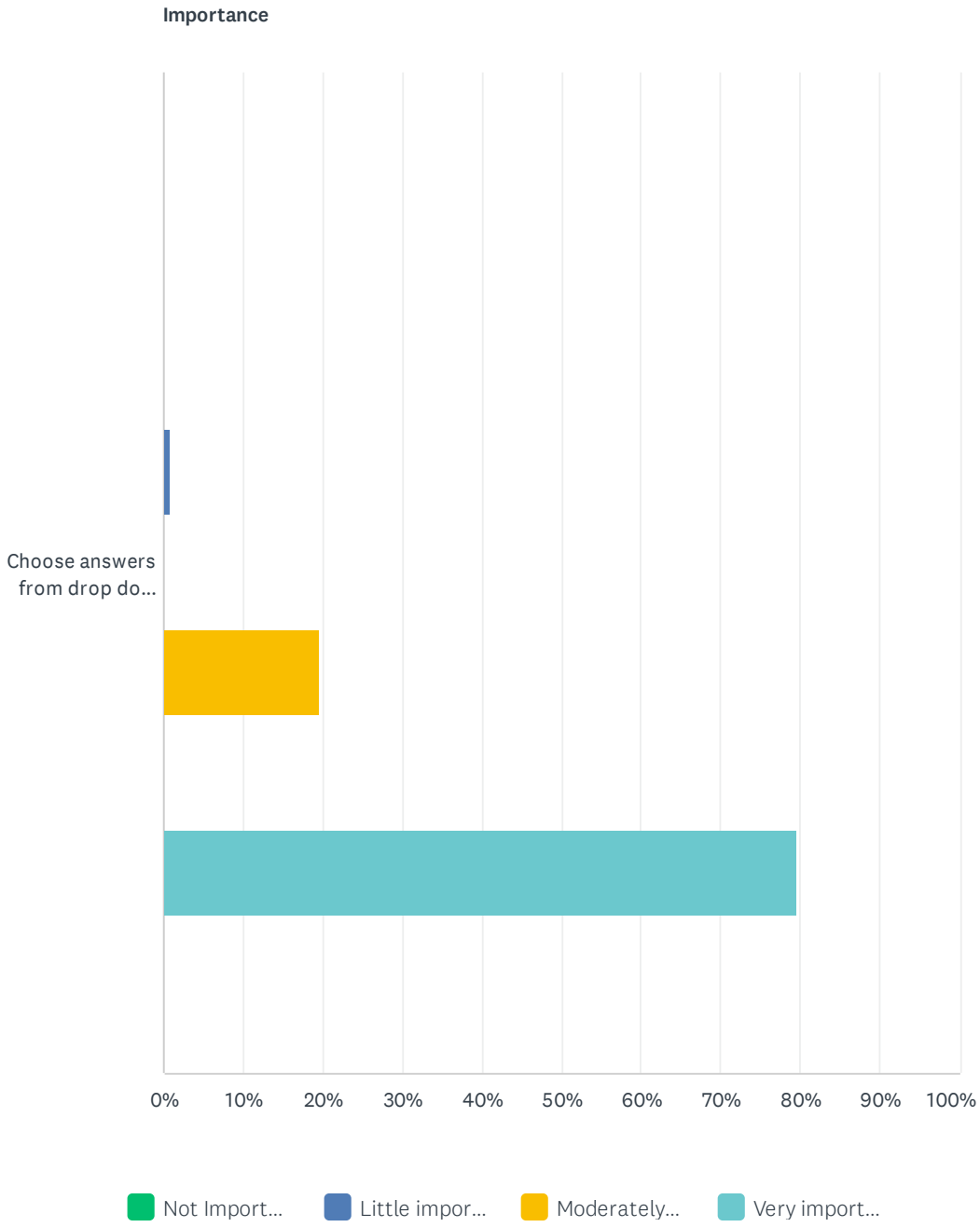
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 3.60%<br>8 | 36.04%<br>80 | 60.36%<br>134 | 222 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 6.85%<br>15 | 16.89%<br>37 | 44.29%<br>97 | 31.96%<br>70 | <br>219 |

# Q150 3.5.27 Muscle performance exercises (e.g., strength, muscle endurance).

Answered: 230 Skipped: 980

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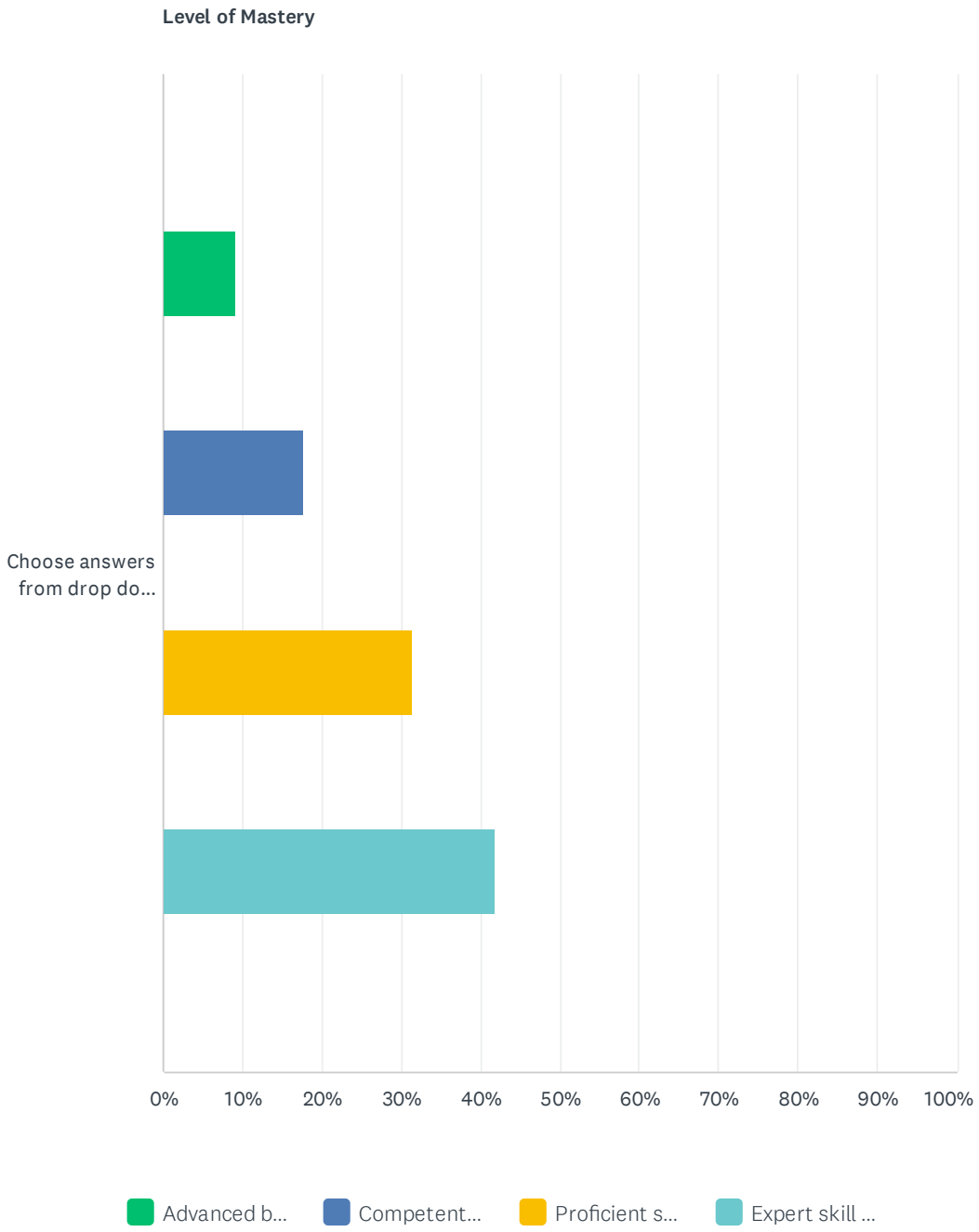


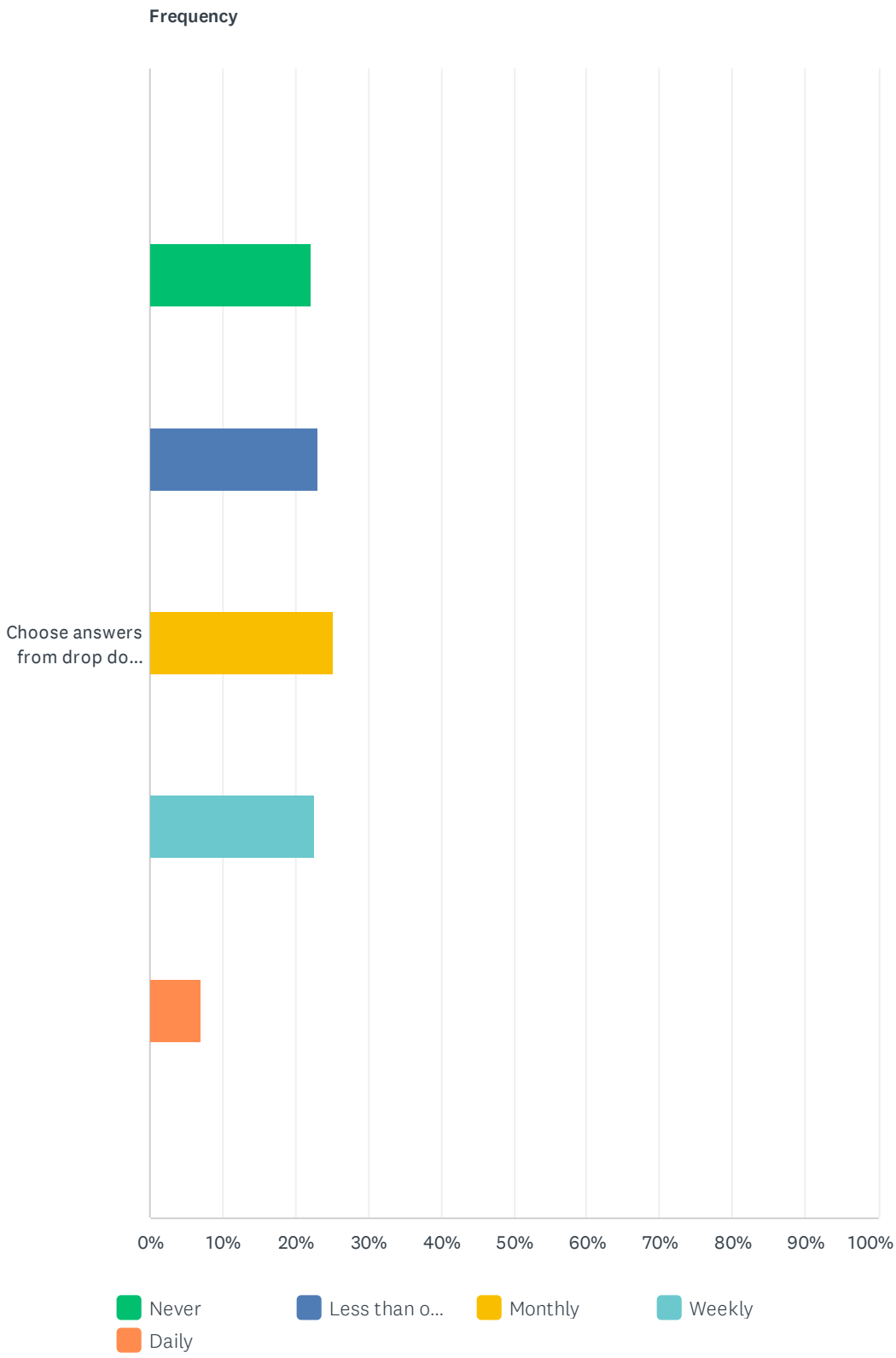

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 1.30%<br>3 | 13.04%<br>30 | 85.65%<br>197 | 230 |

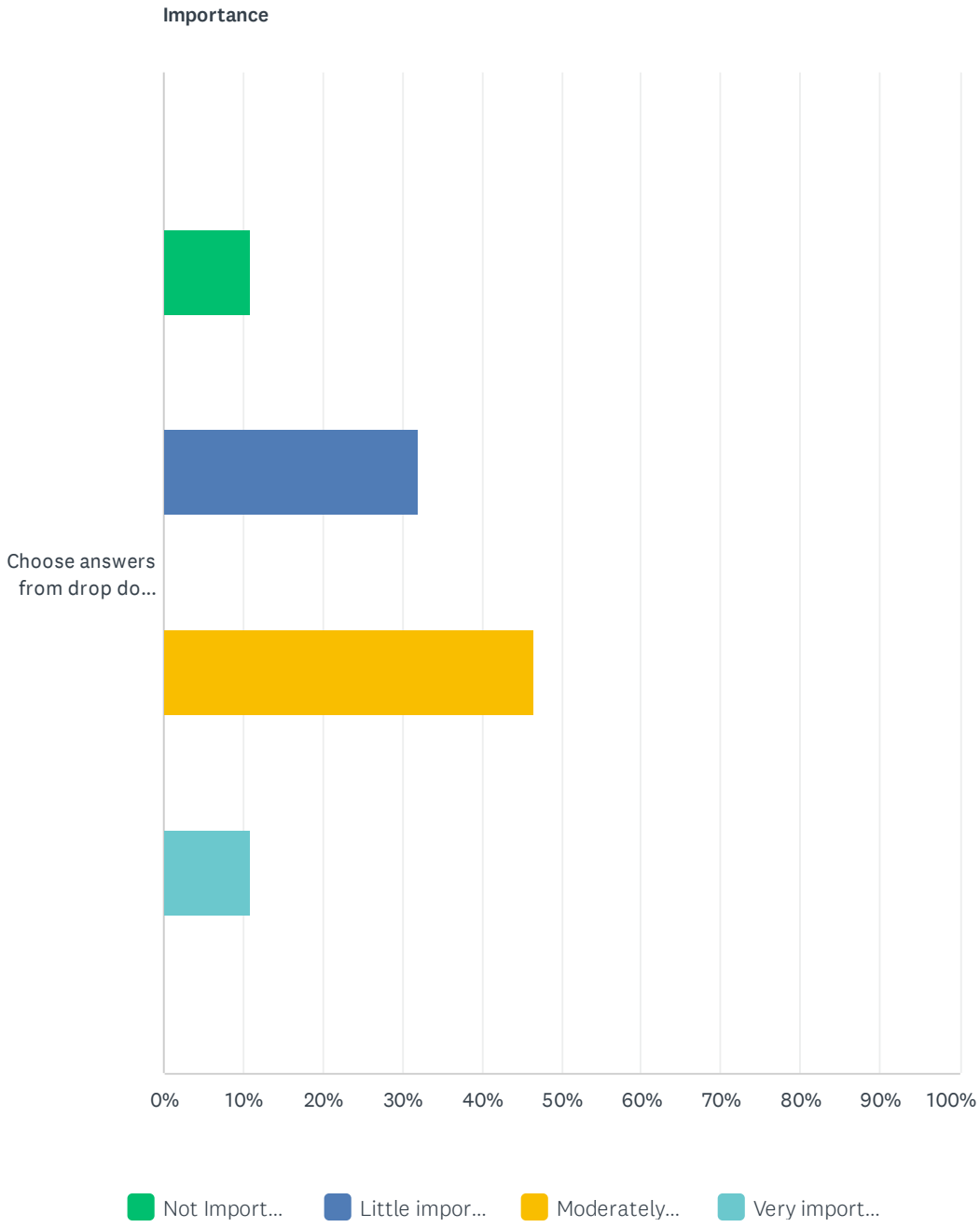
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.89%<br>2 | 19.64%<br>44 | 79.46%<br>178 | 224 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 9.09%<br>20 | 17.73%<br>39 | 31.36%<br>69 | 41.82%<br>92 | <br>220 |

# Q151 3.5.28.1 Meditation.

Answered: 230 Skipped: 980

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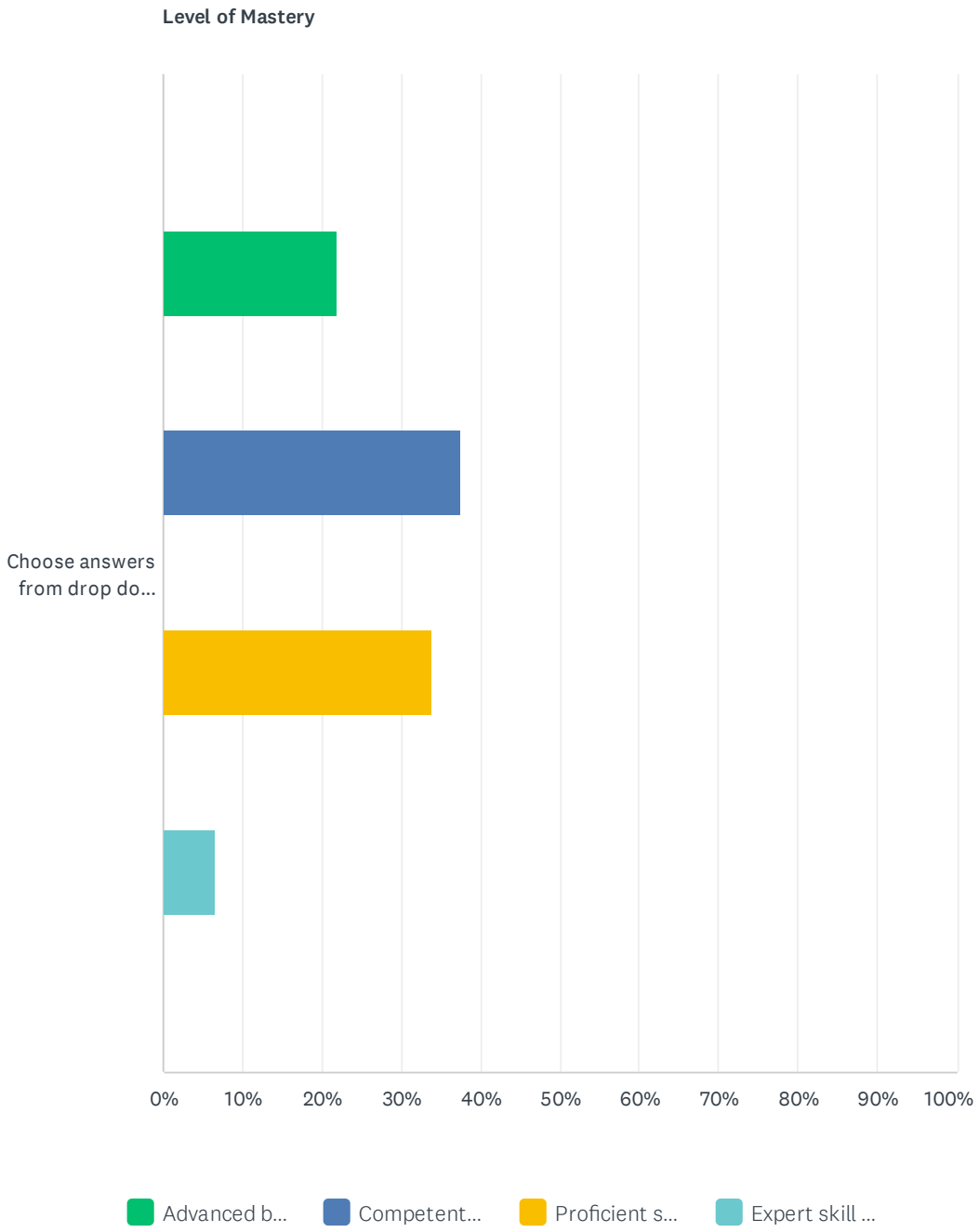


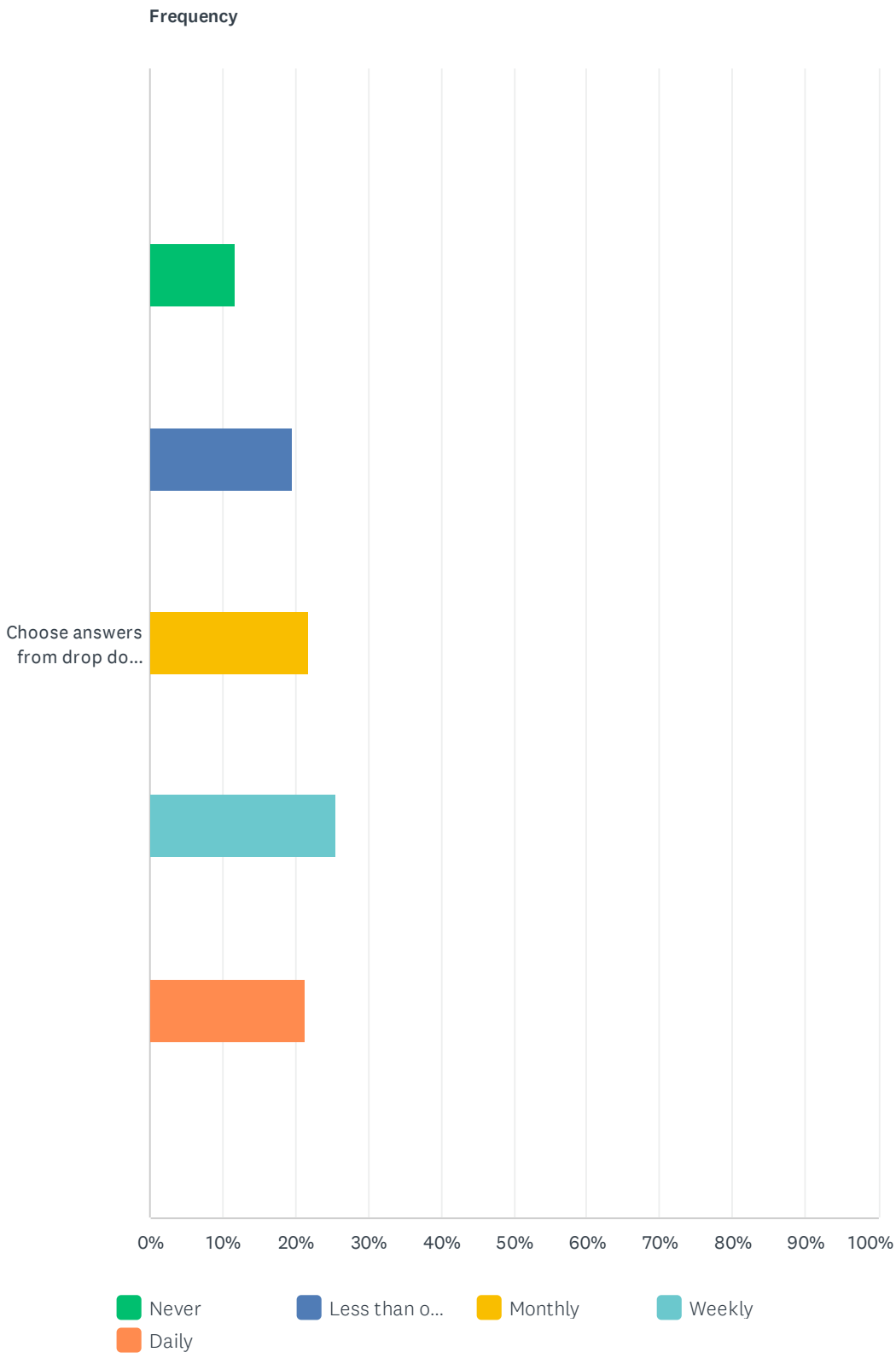

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 22.17%<br>51 | 23.04%<br>53 | 25.22%<br>58 | 22.61%<br>52 | 6.96%<br>16 | 230 |

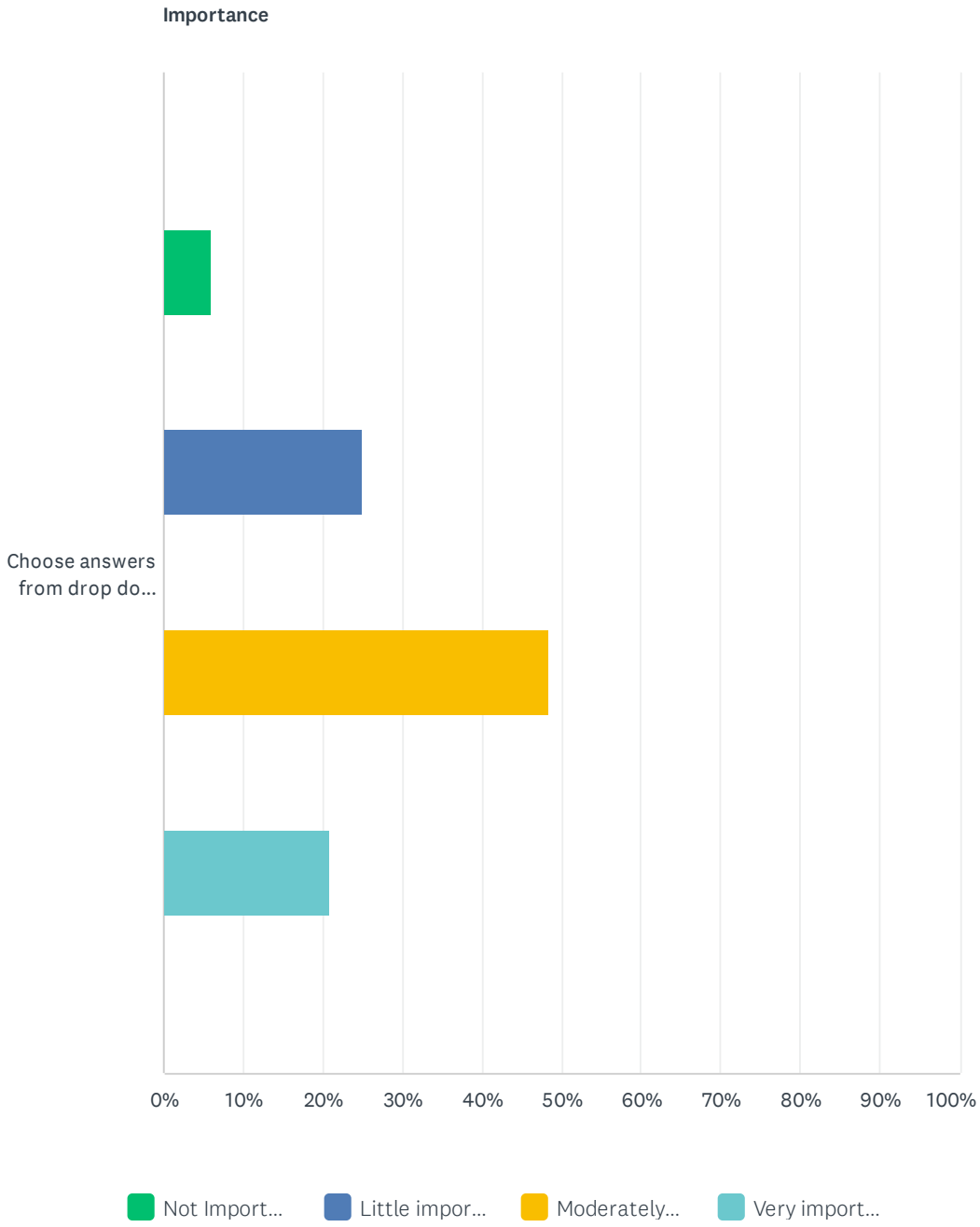
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 10.81%<br>24 | 31.98%<br>71 | 46.40%<br>103 | 10.81%<br>24 | 222 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 22.07%<br>47 | 37.56%<br>80 | 33.80%<br>72 | 6.57%<br>14 | <br>213 |

# Q152 3.5.28.2 Mindfulness.

Answered: 230 Skipped: 980

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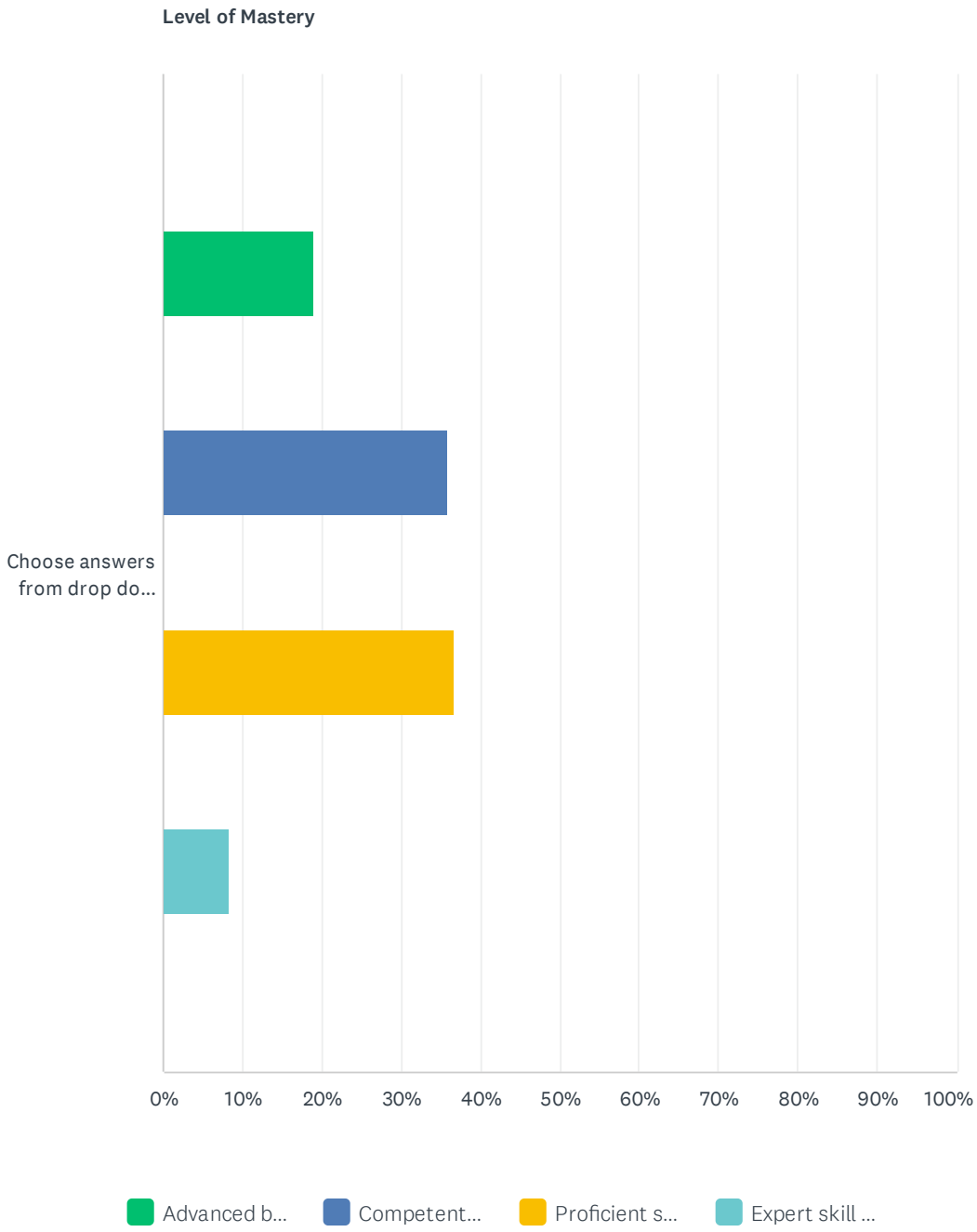


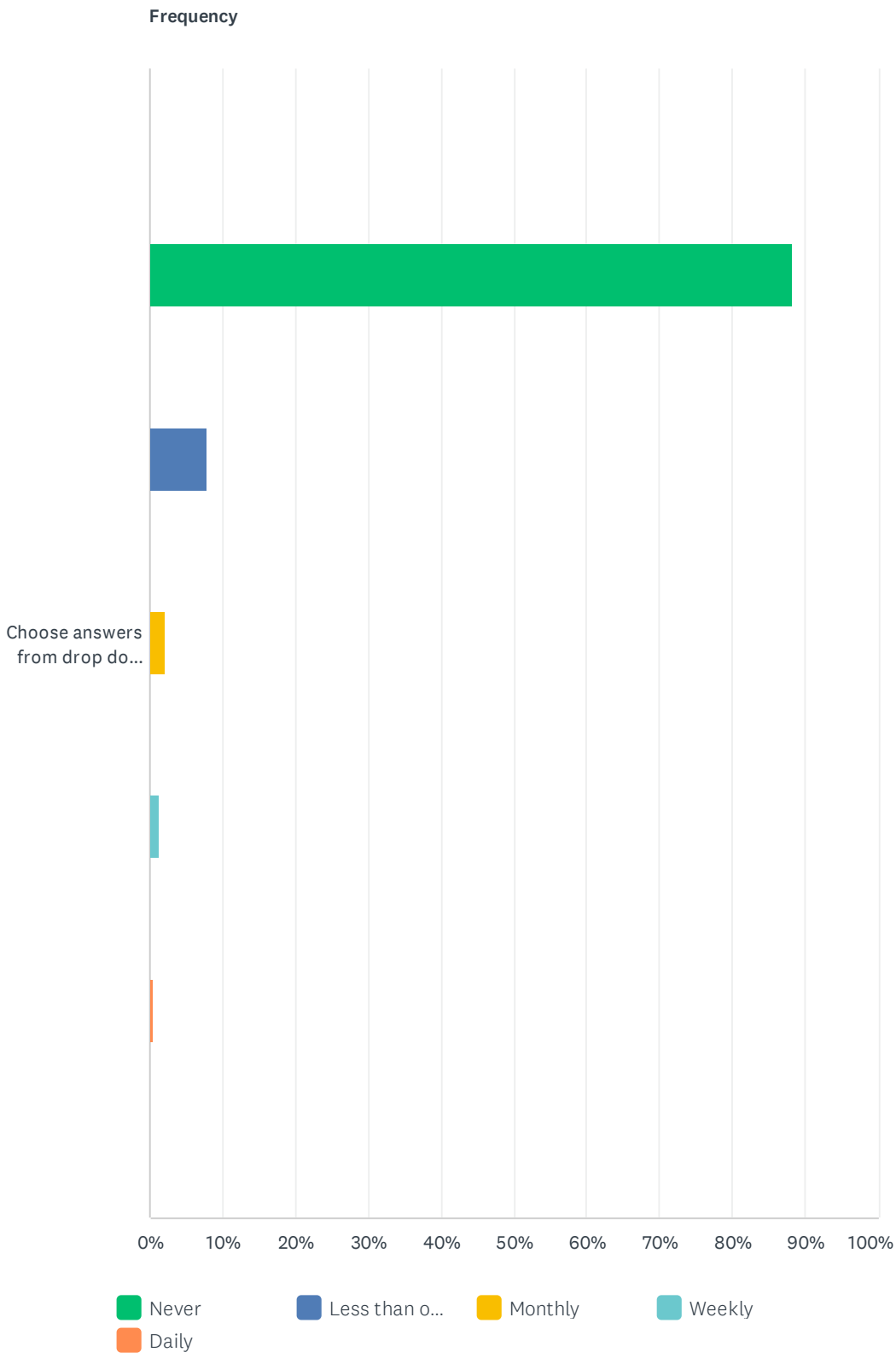

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 11.74%<br>27 | 19.57%<br>45 | 21.74%<br>50 | 25.65%<br>59 | 21.30%<br>49 | 230 |

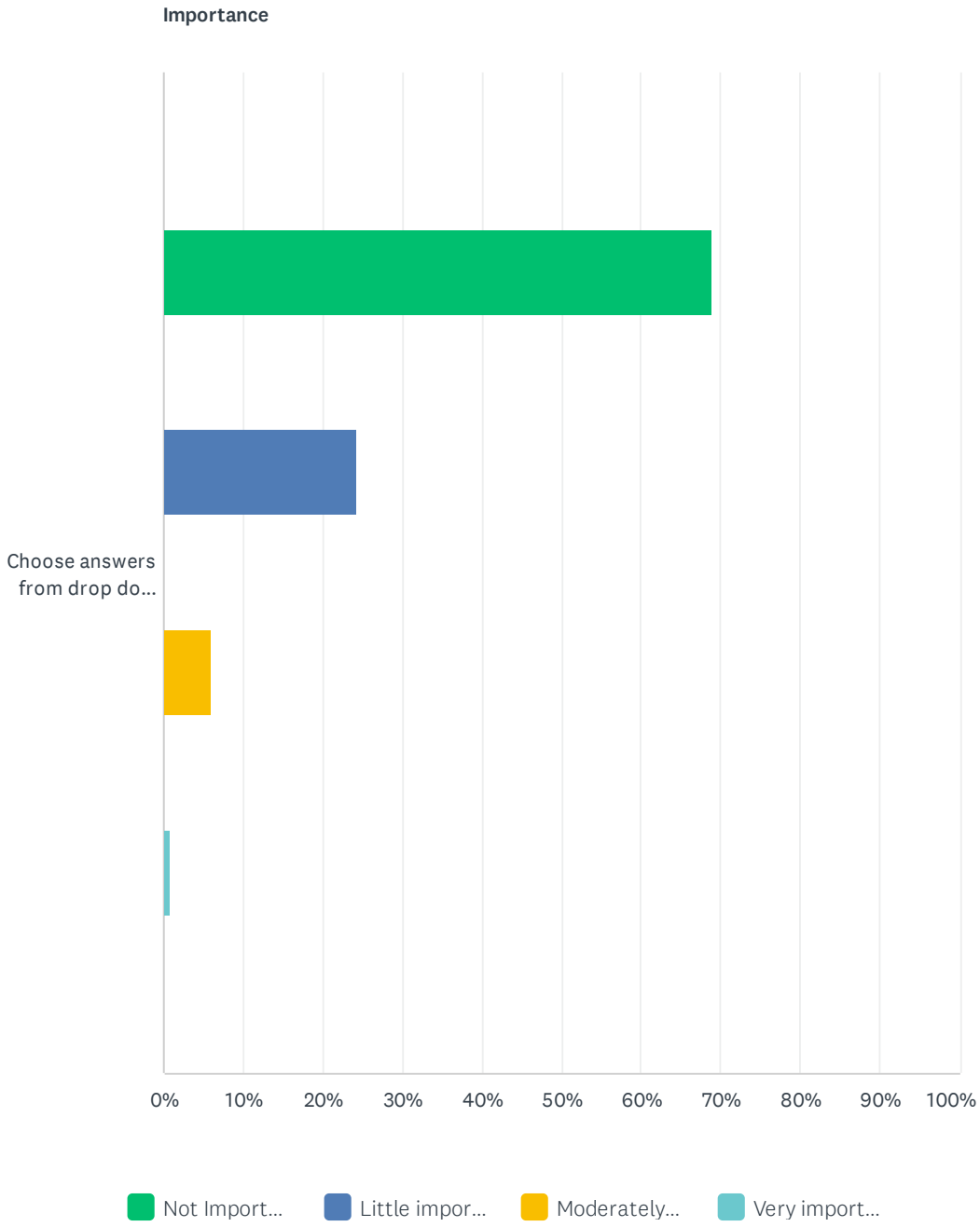
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 5.88%<br>13 | 24.89%<br>55 | 48.42%<br>107 | 20.81%<br>46 | 221 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 19.07%<br>41 | 35.81%<br>77 | 36.74%<br>79 | 8.37%<br>18 | <br>215 |

# Q153 3.5.28.3 Hypnosis.

Answered: 229 Skipped: 981

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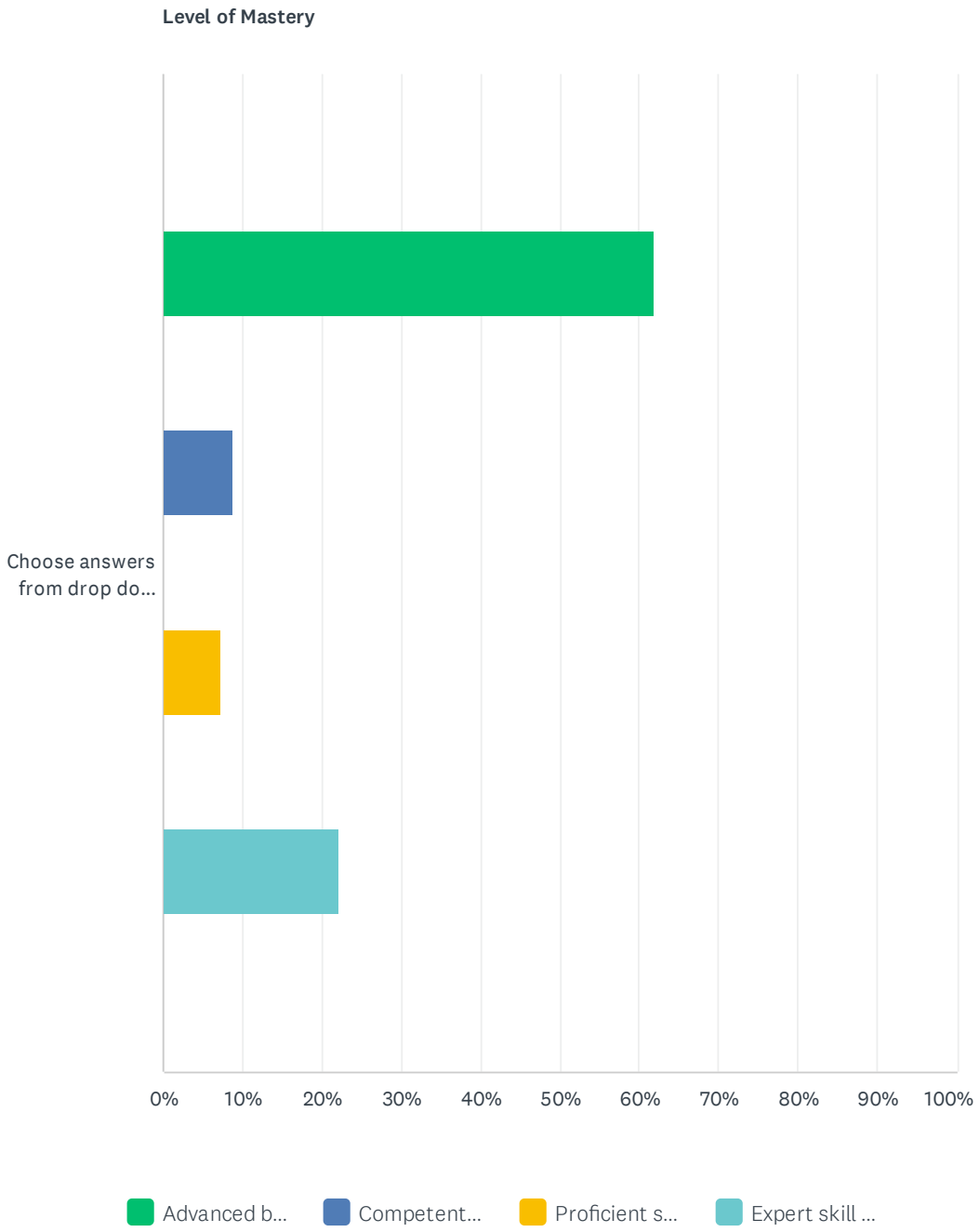


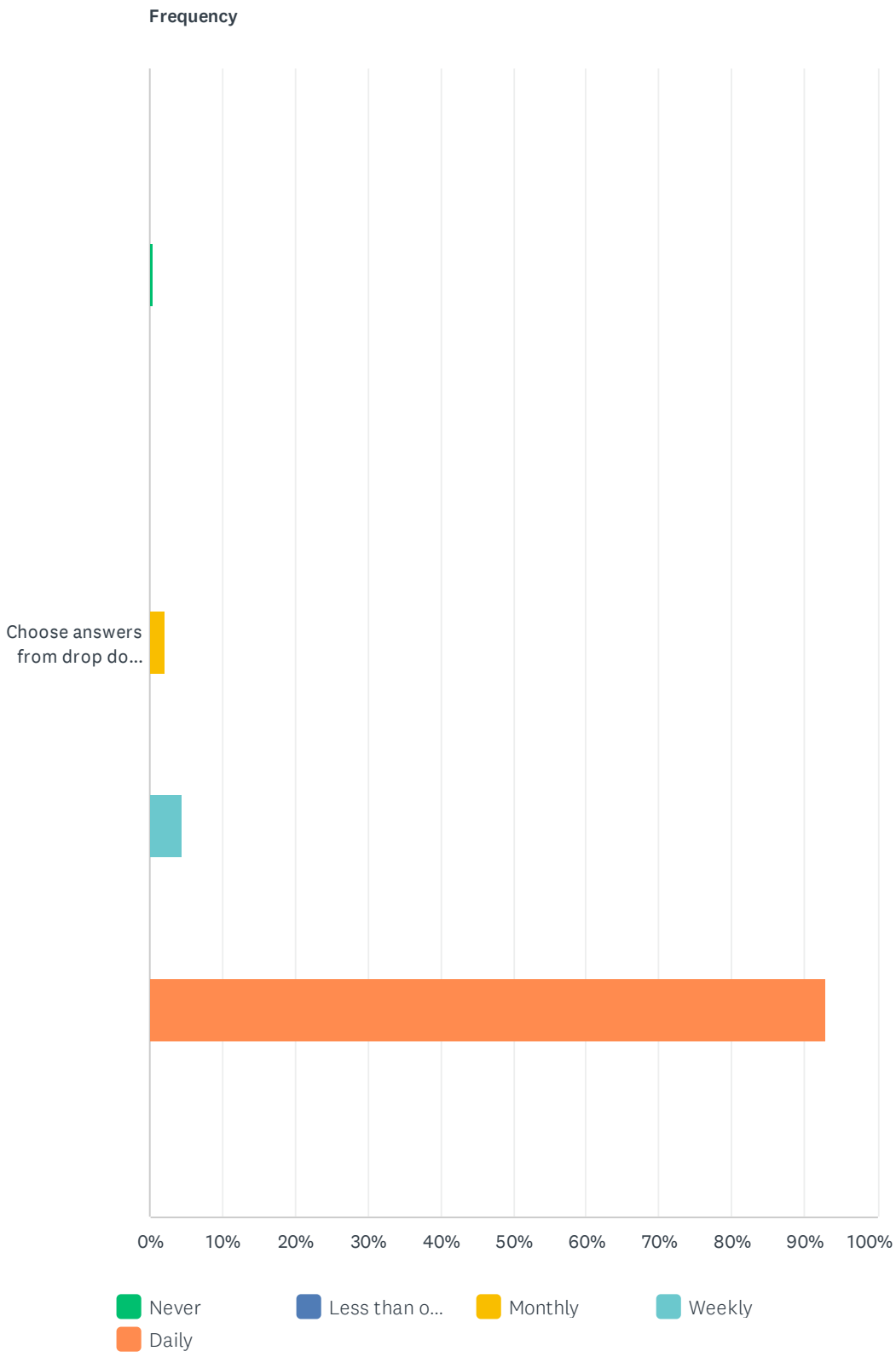

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 88.21%<br>202 | 7.86%<br>18 | 2.18%<br>5 | 1.31%<br>3 | 0.44%<br>1 | 229 |

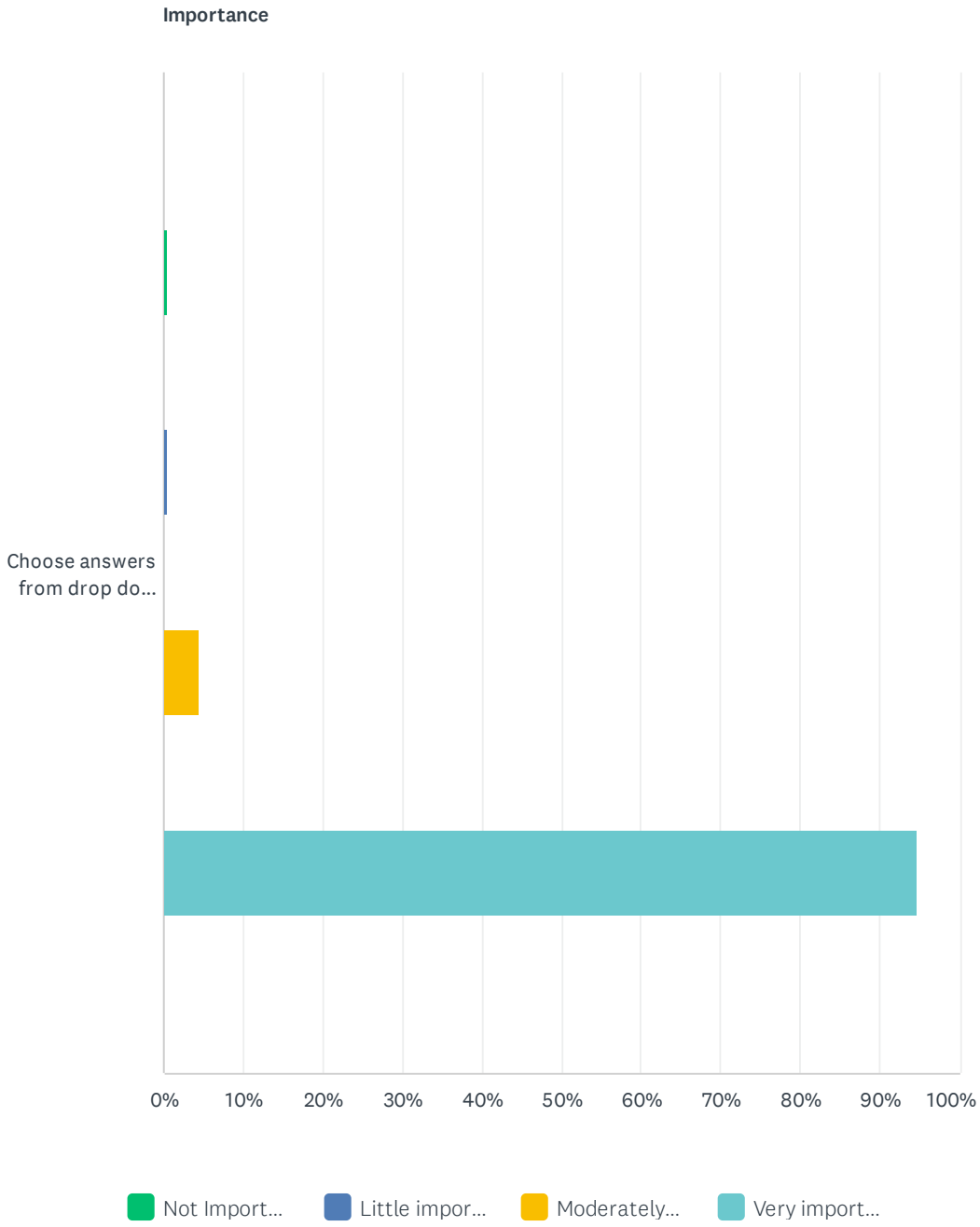
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 68.81%<br>150 | 24.31%<br>53 | 5.96%<br>13 | 0.92%<br>2 | 218 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 61.86%<br>120 | 8.76%<br>17 | 7.22%<br>14 | 22.16%<br>43 | 194 |

# Q154 3.6.1 Assessing intervention response.

Answered: 227 Skipped: 983

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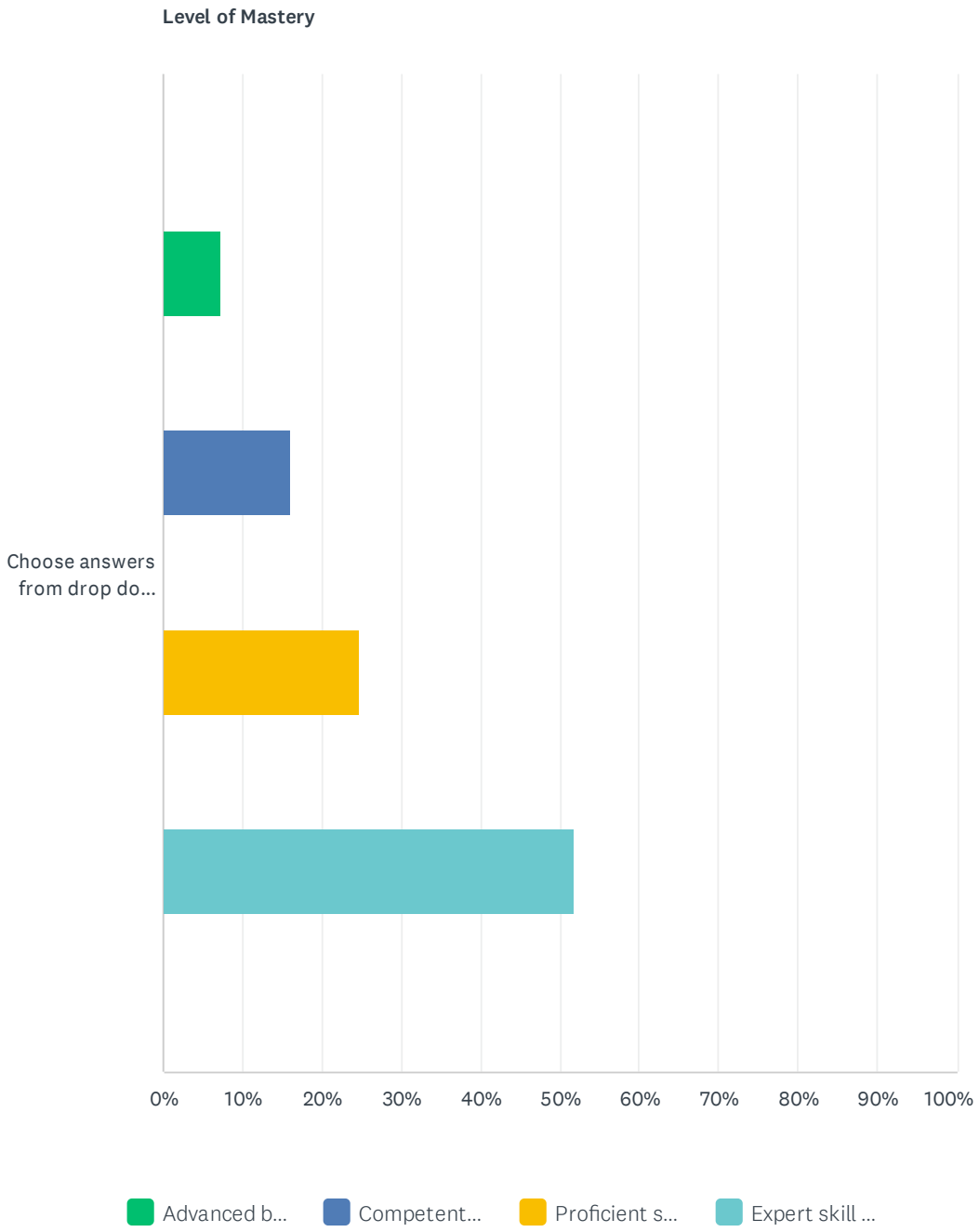


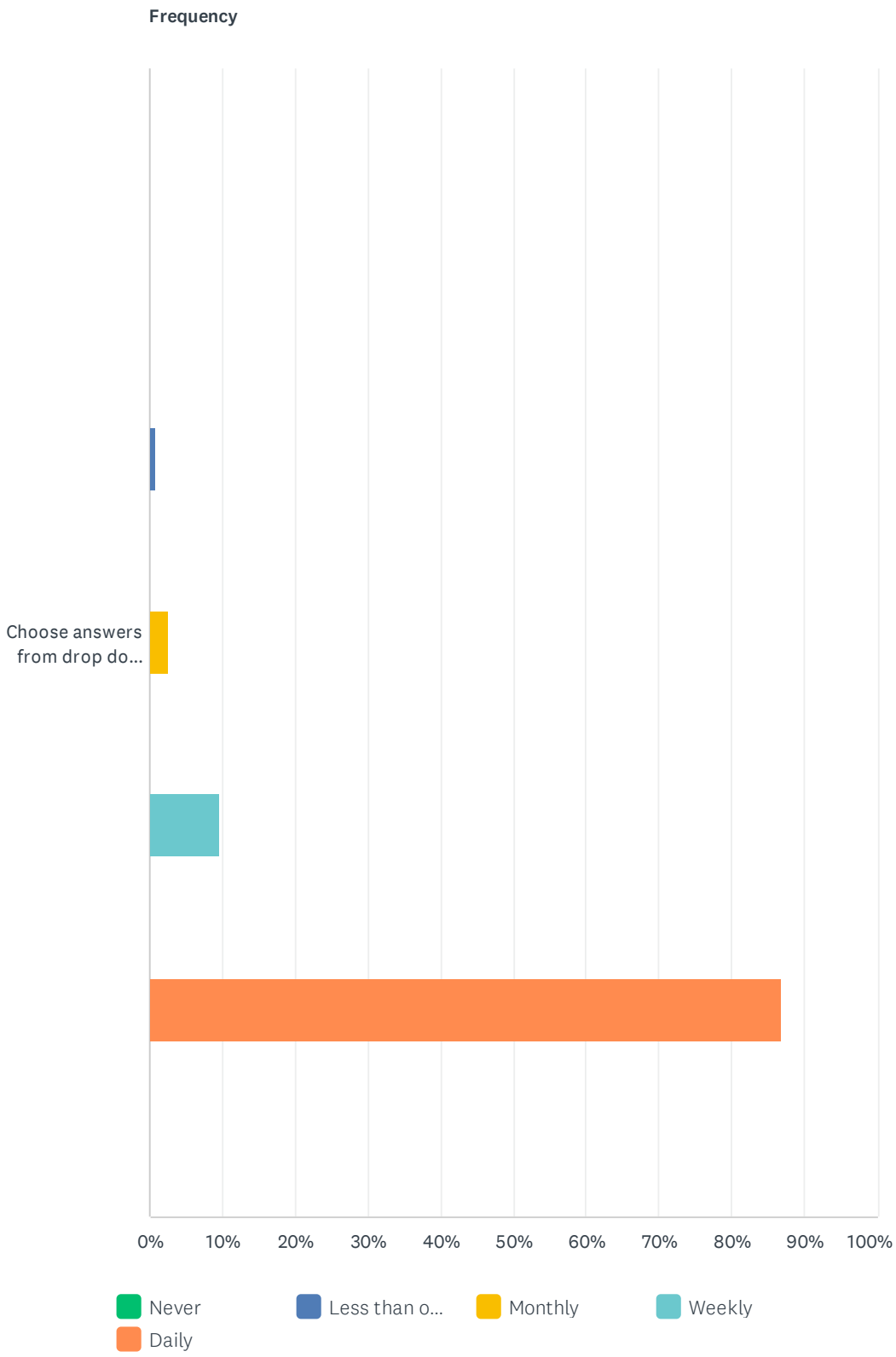

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.44%<br>1 | 0.00%<br>0 | 2.20%<br>5 | 4.41%<br>10 | 92.95%<br>211 | 227 |

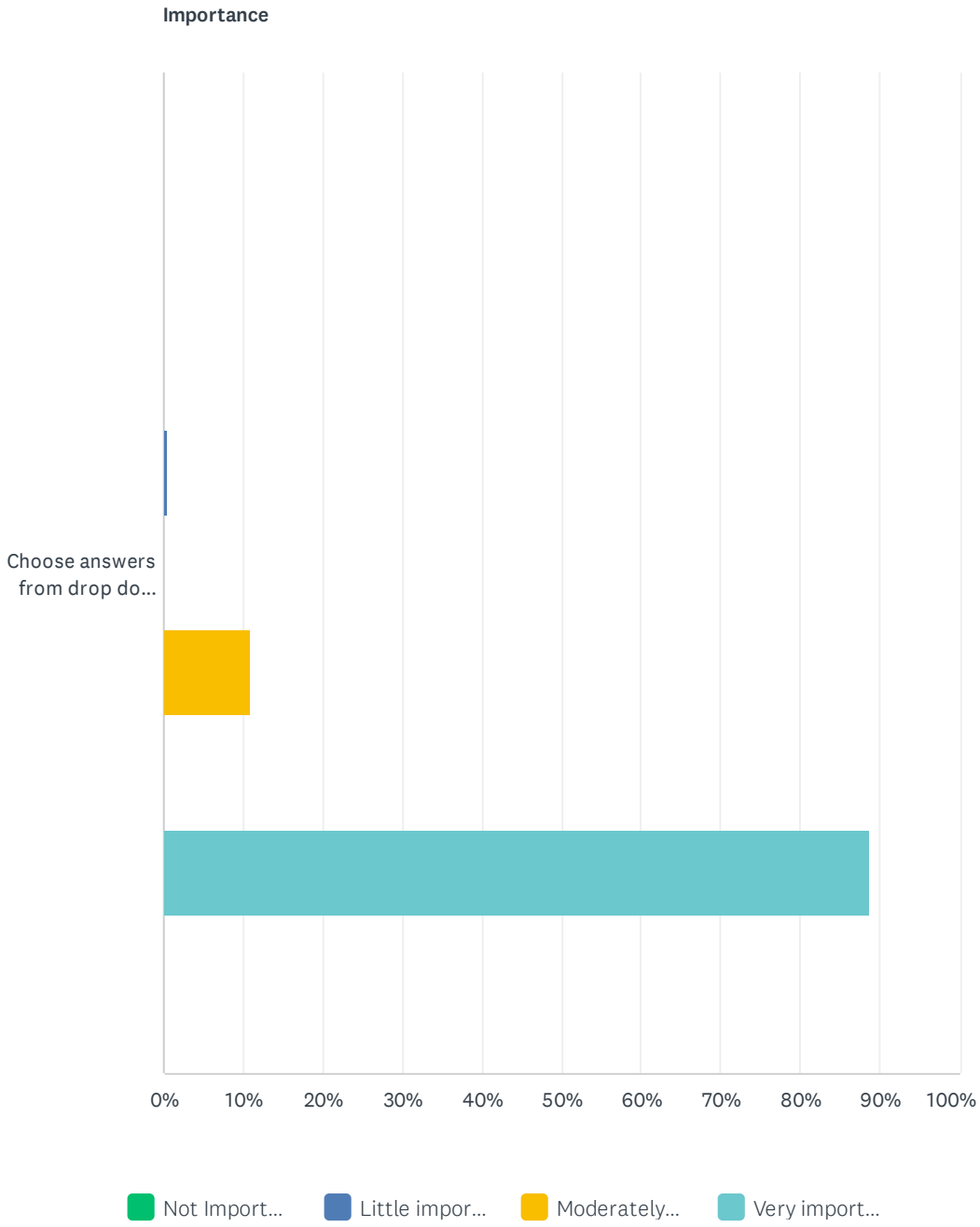
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.45%<br>1 | 0.45%<br>1 | 4.52%<br>10 | 94.57%<br>209 | 221 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 7.34%<br>16 | 16.06%<br>35 | 24.77%<br>54 | 51.83%<br>113 | <br>218 |

# Q155 3.6.2 Analyzing significance of changes.

Answered: 227 Skipped: 983




Importance
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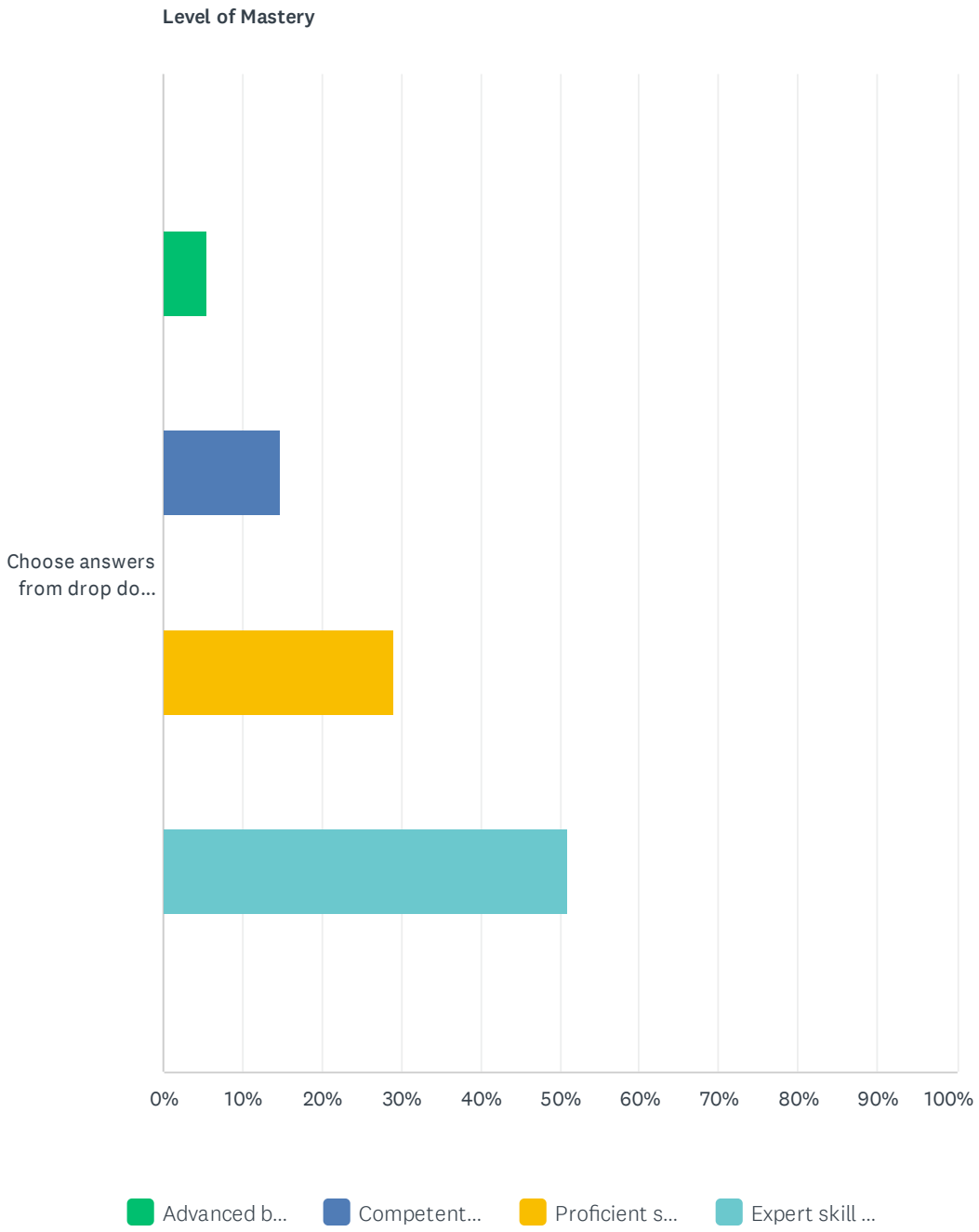


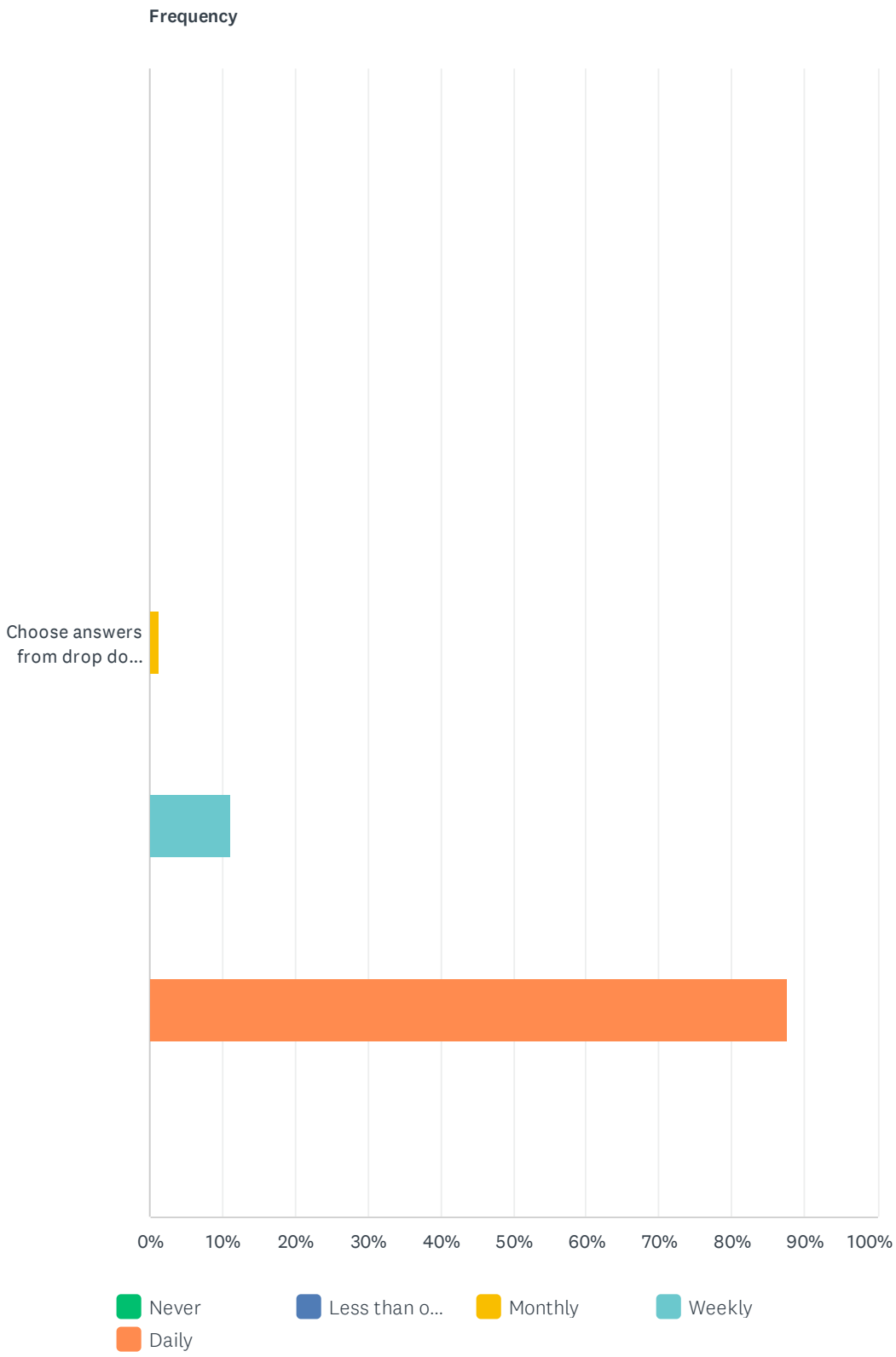

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.88%<br>2 | 2.64%<br>6 | 9.69%<br>22 | 86.78%<br>197 | 227 |

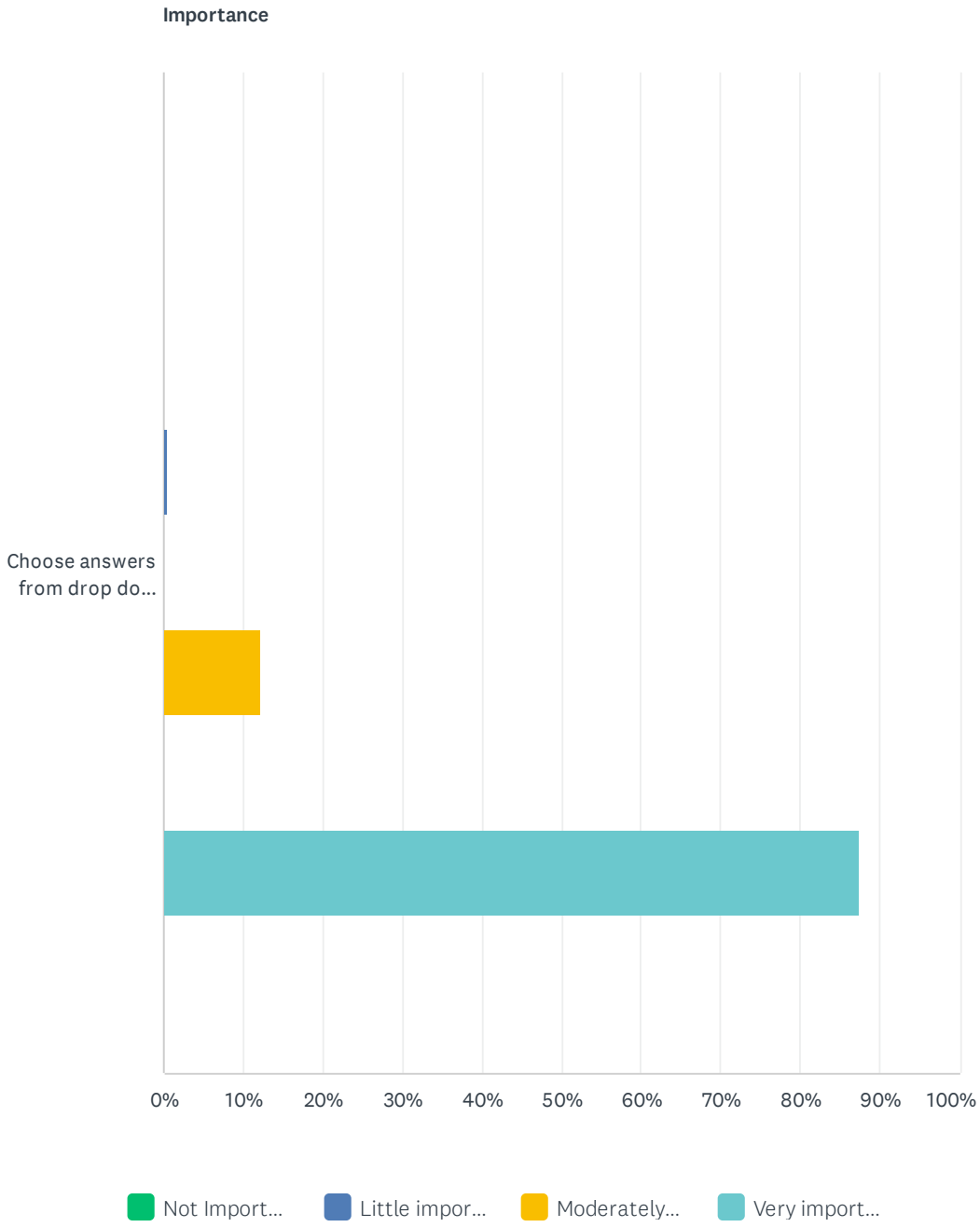
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.45%<br>1 | 10.86%<br>24 | 88.69%<br>196 | 221 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 5.50%<br>12 | 14.68%<br>32 | 28.90%<br>63 | 50.92%<br>111 | <br>218 |

# Q156 3.6.3 Assessing change.

Answered: 228 Skipped: 982




Importance
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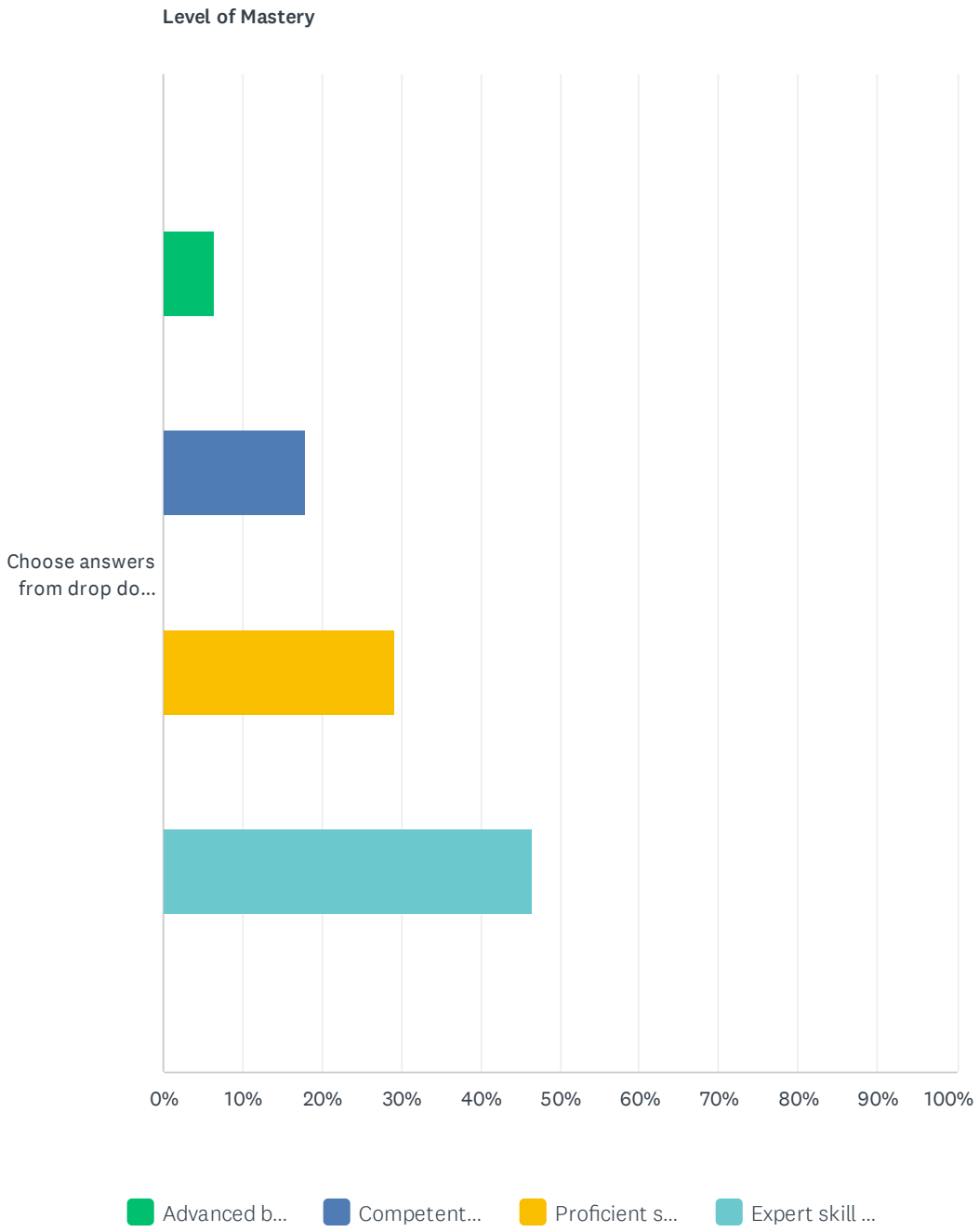


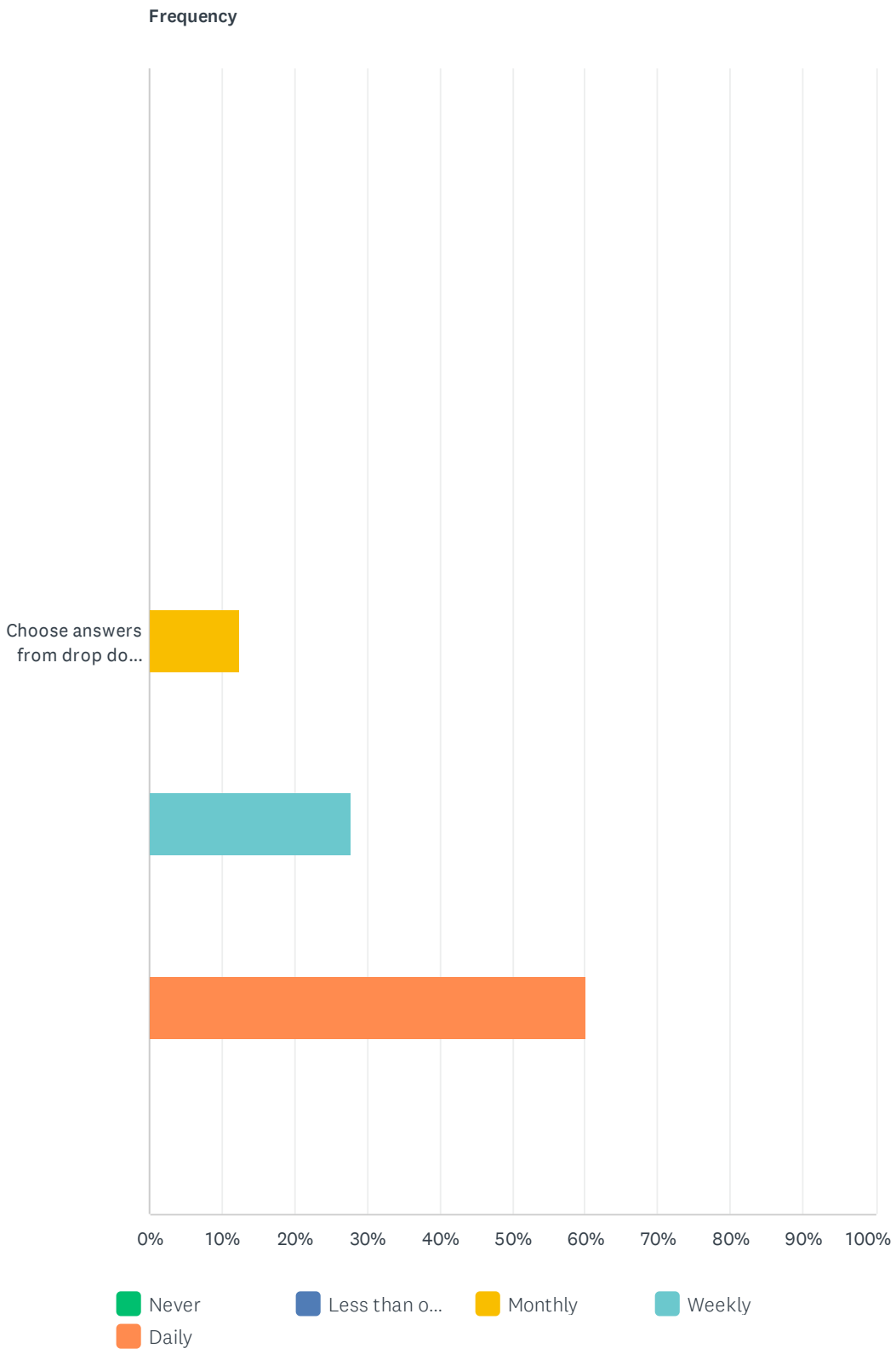

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 1.32%<br>3 | 11.01%<br>25 | 87.67%<br>199 | 227 |

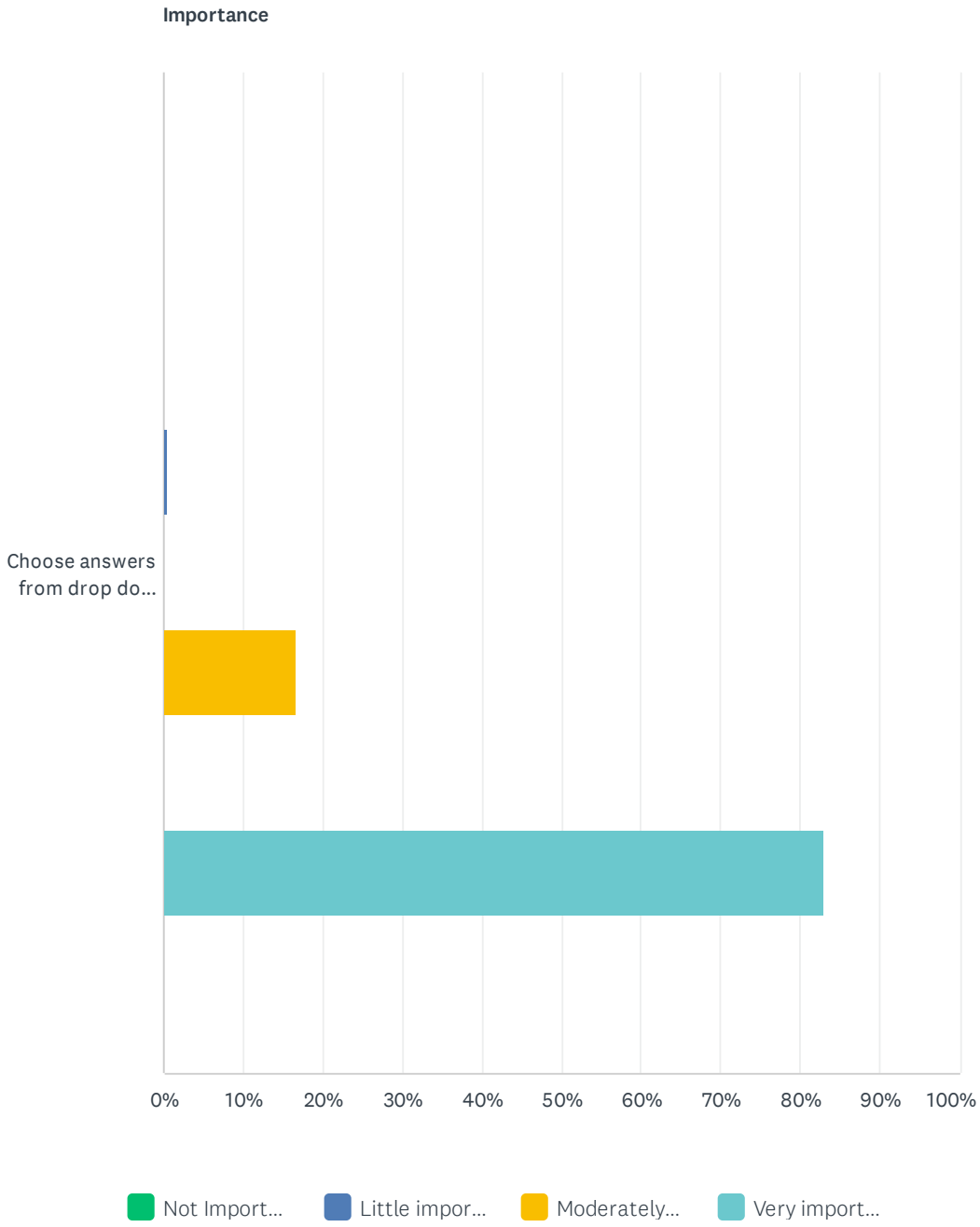
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.45%<br>1 | 12.16%<br>27 | 87.39%<br>194 | 222 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 6.39%<br>14 | 17.81%<br>39 | 29.22%<br>64 | 46.58%<br>102 | <br>219 |

# Q157 3.6.4 Re-examining/implementing a modified plan of care.

Answered: 228 Skipped: 982

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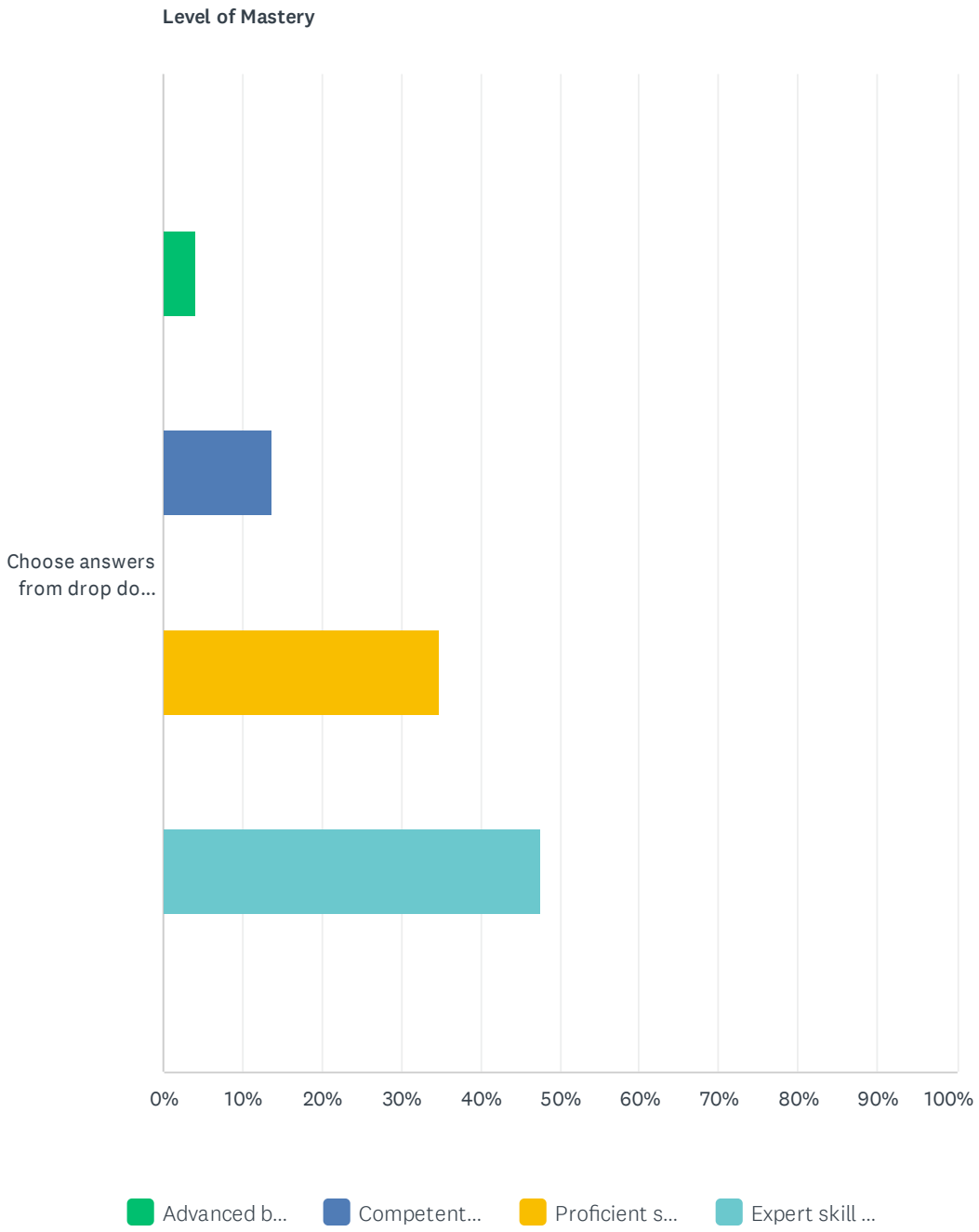


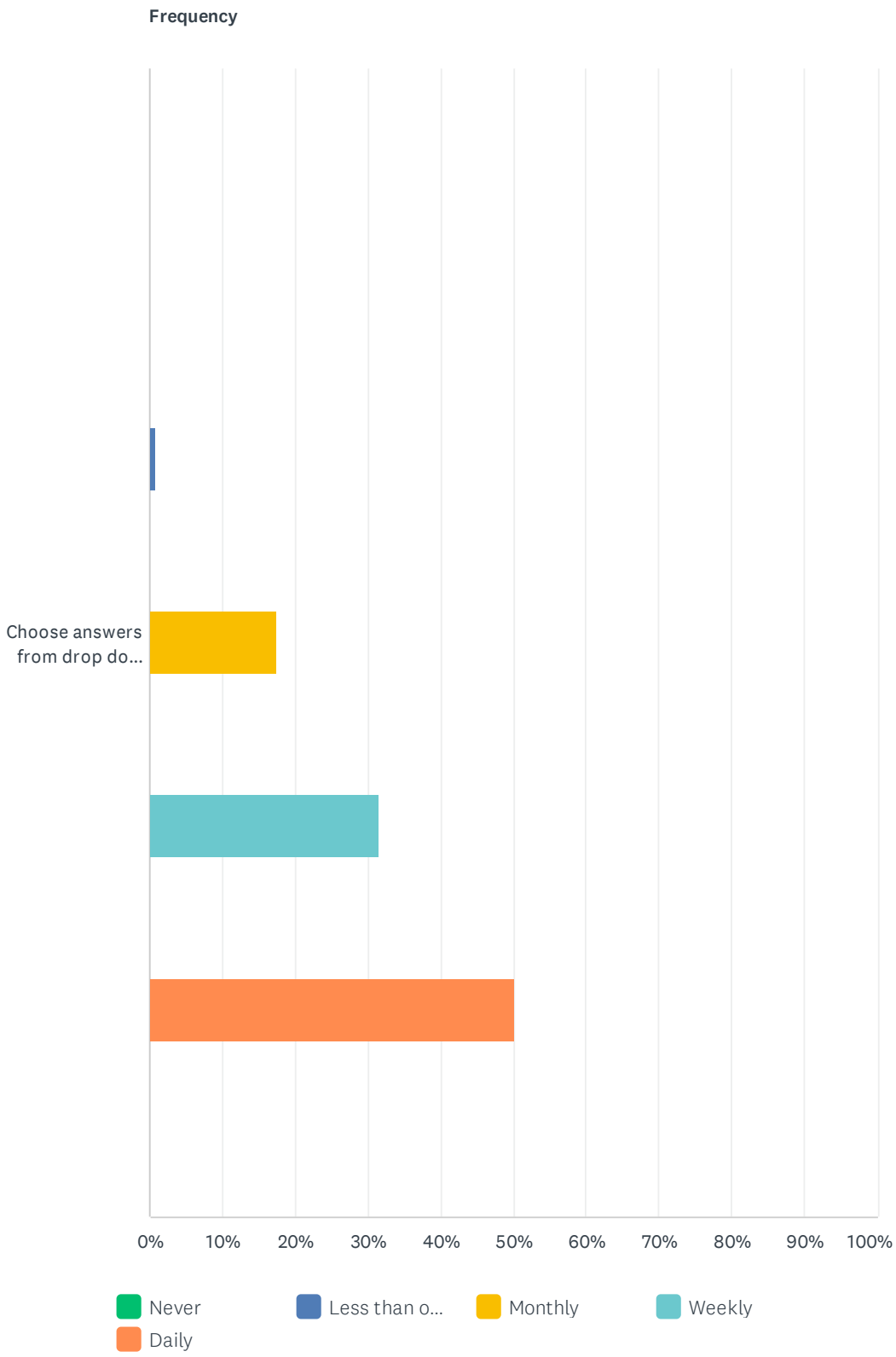

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 12.28%<br>28 | 27.63%<br>63 | 60.09%<br>137 | 228 |

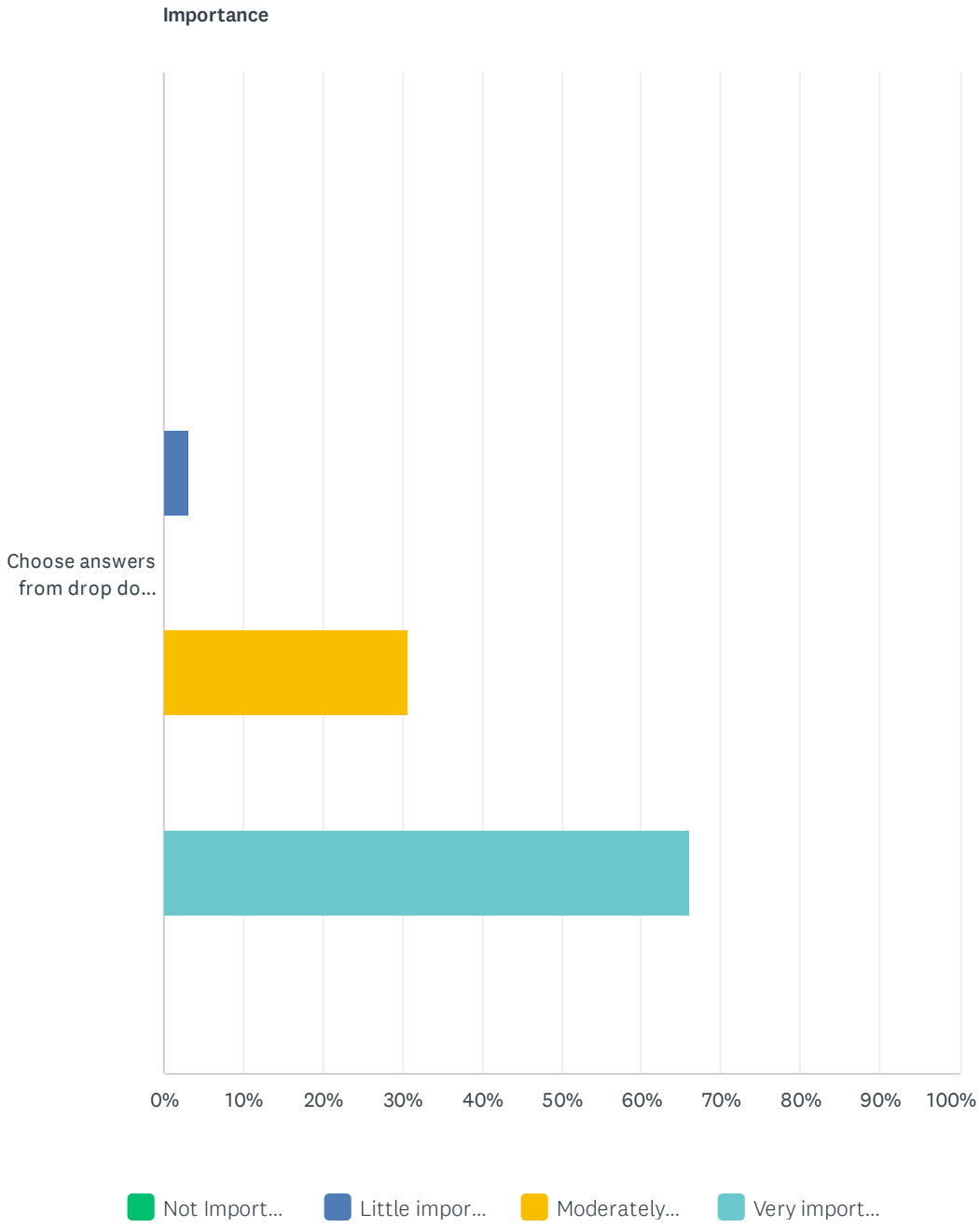
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.45%<br>1 | 16.67%<br>37 | 82.88%<br>184 | 222 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 4.11%<br>9 | 13.70%<br>30 | 34.70%<br>76 | 47.49%<br>104 | <br>219 |

# Q158 3.6.5 Confirming/modifying goals.

Answered: 228 Skipped: 982

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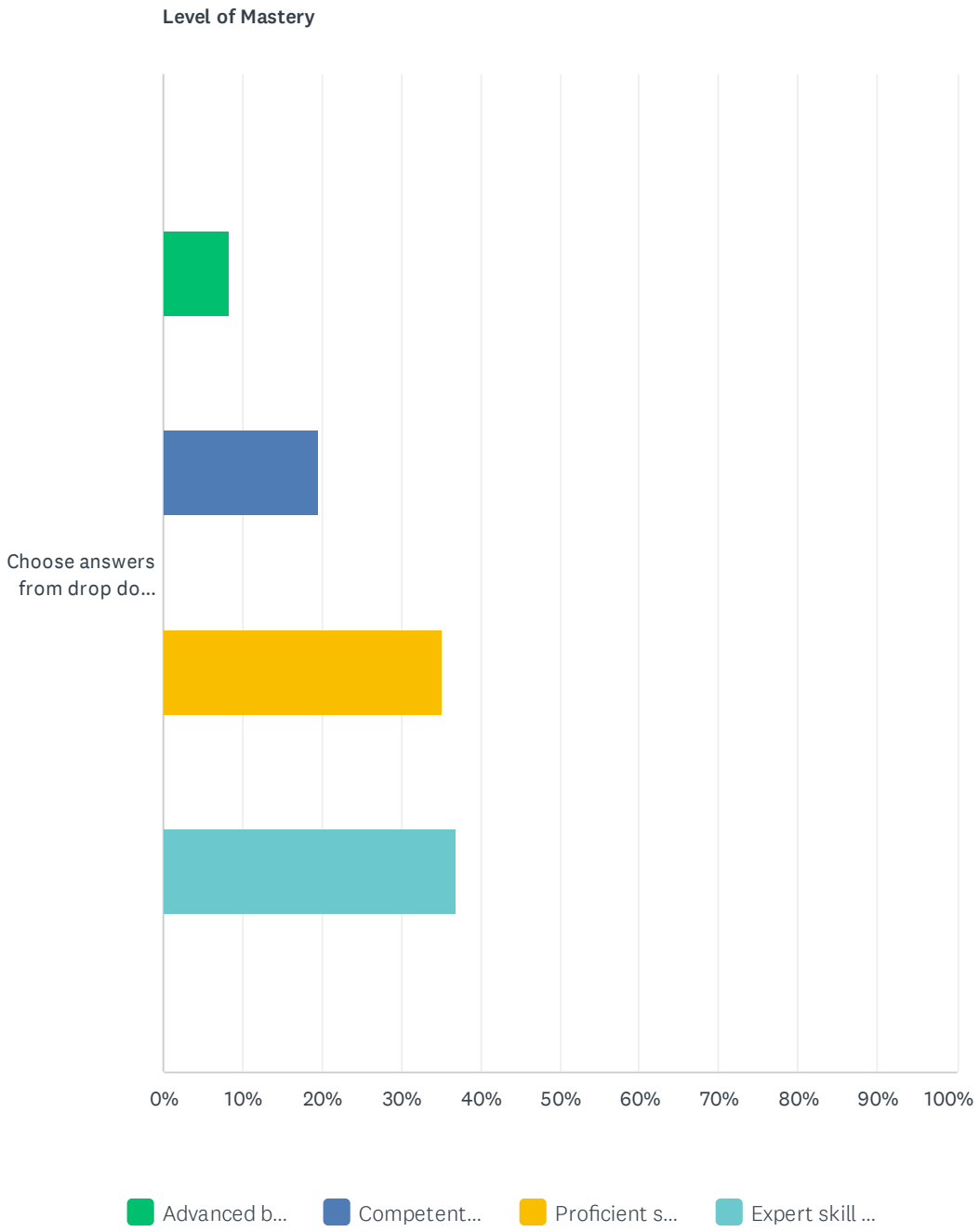


| Frequency | | | | | | |
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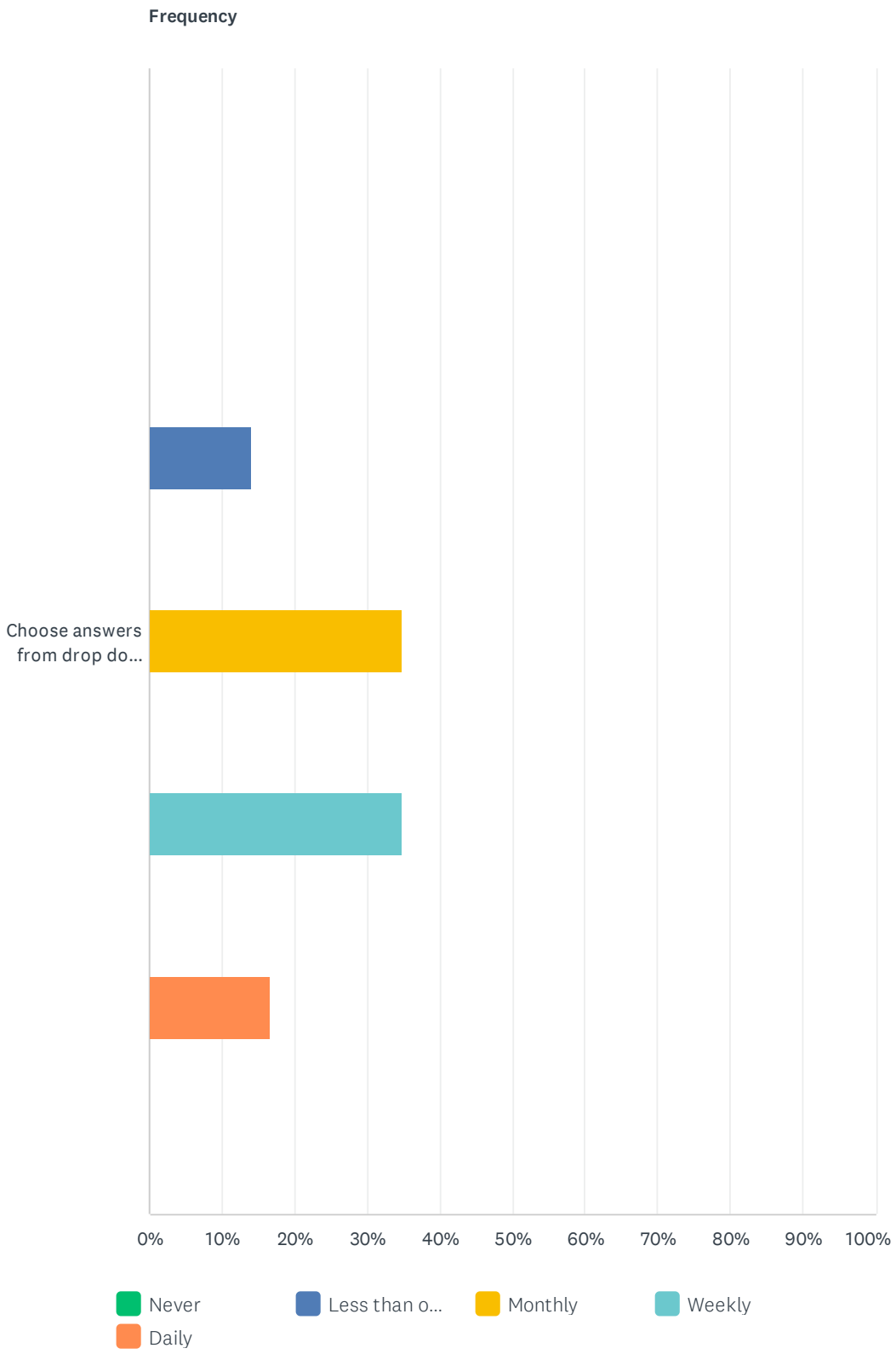
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.88%<br>2 | 17.54%<br>40 | 31.58%<br>72 | 50.00%<br>114 | 228 |

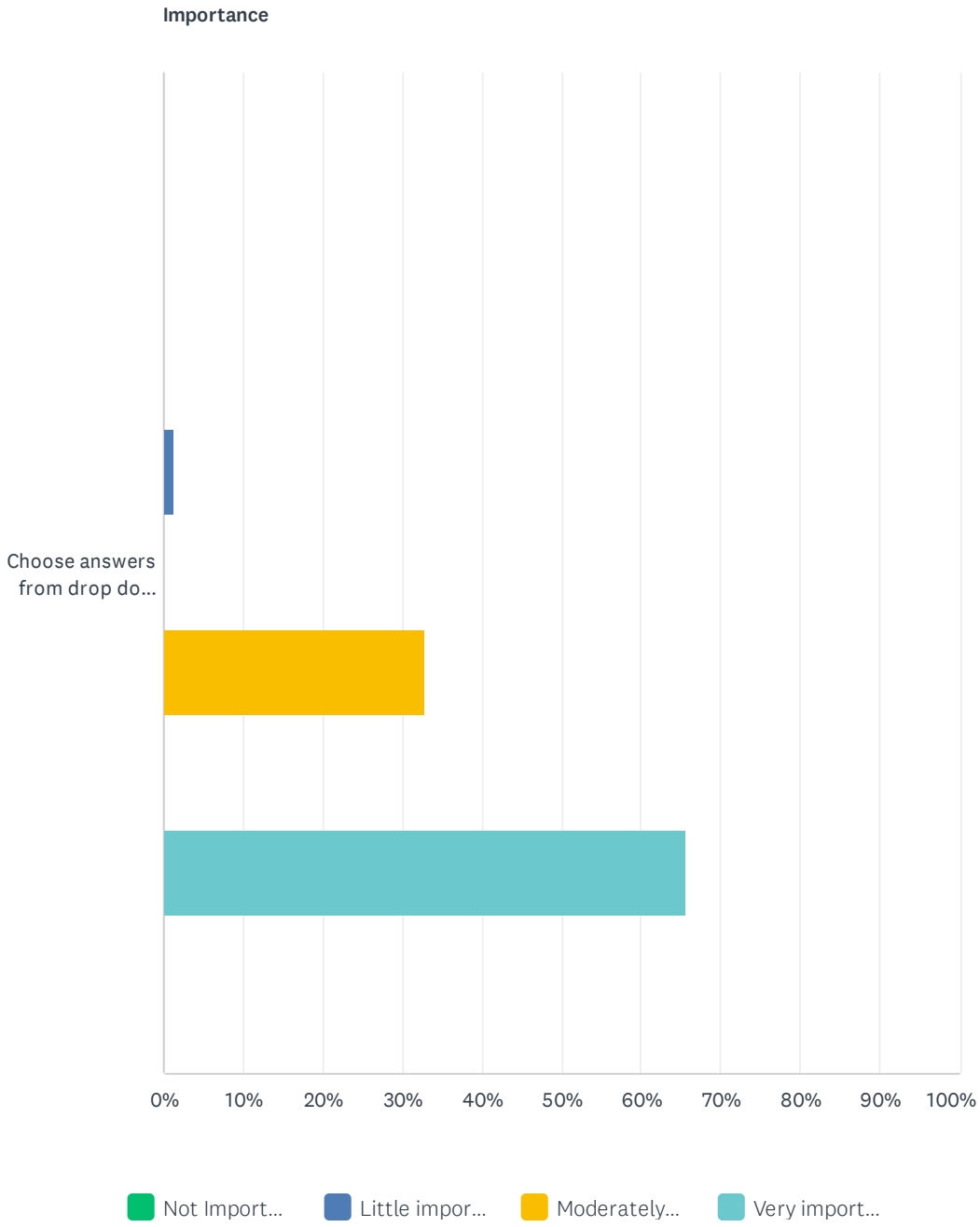
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 3.17%<br>7 | 30.77%<br>68 | 66.06%<br>146 | 221 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 8.22%<br>18 | 19.63%<br>43 | 35.16%<br>77 | 36.99%<br>81 | <br>219 |

# Q159 3.6.6 Making referrals to other providers as needed.

Answered: 228 Skipped: 982

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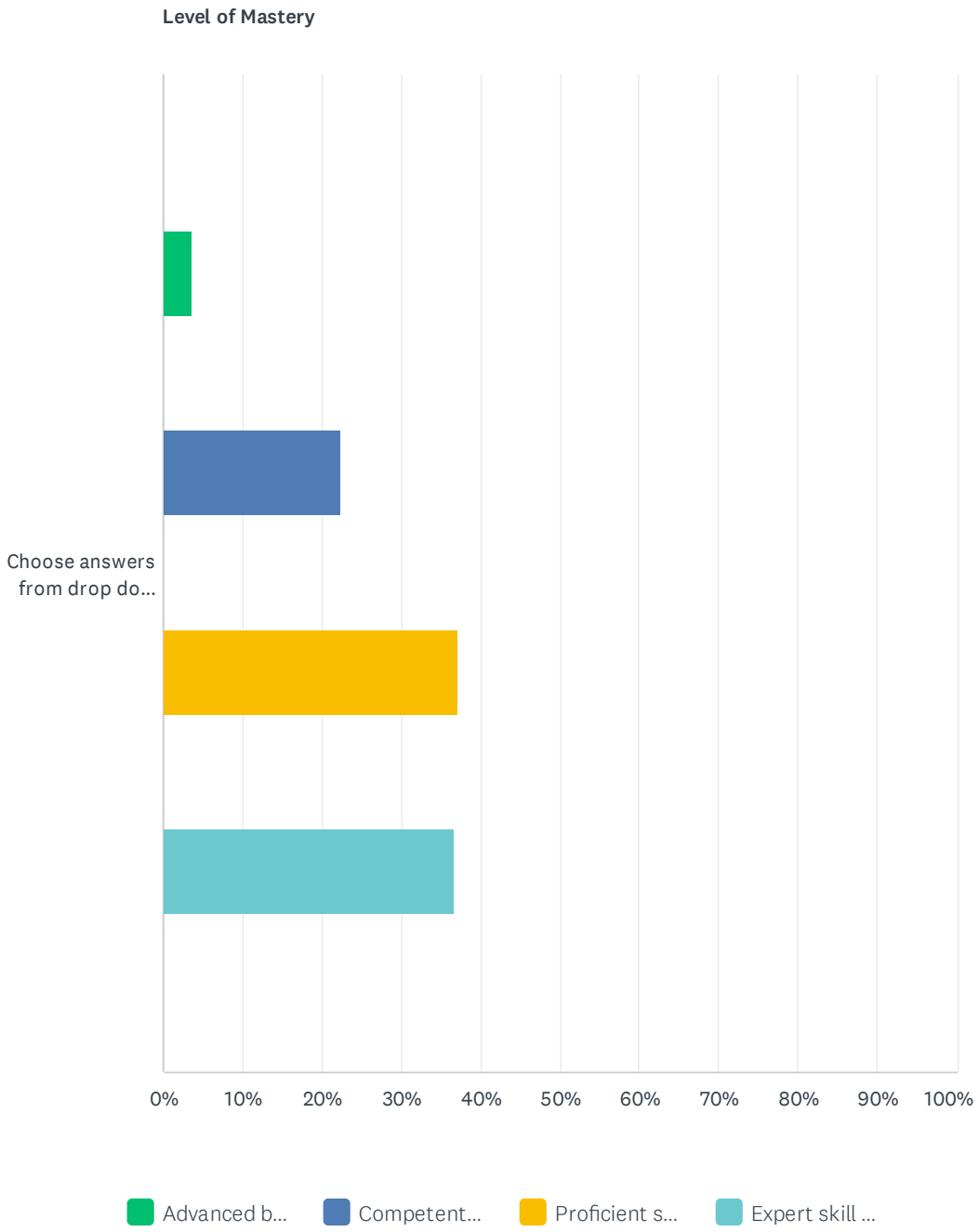


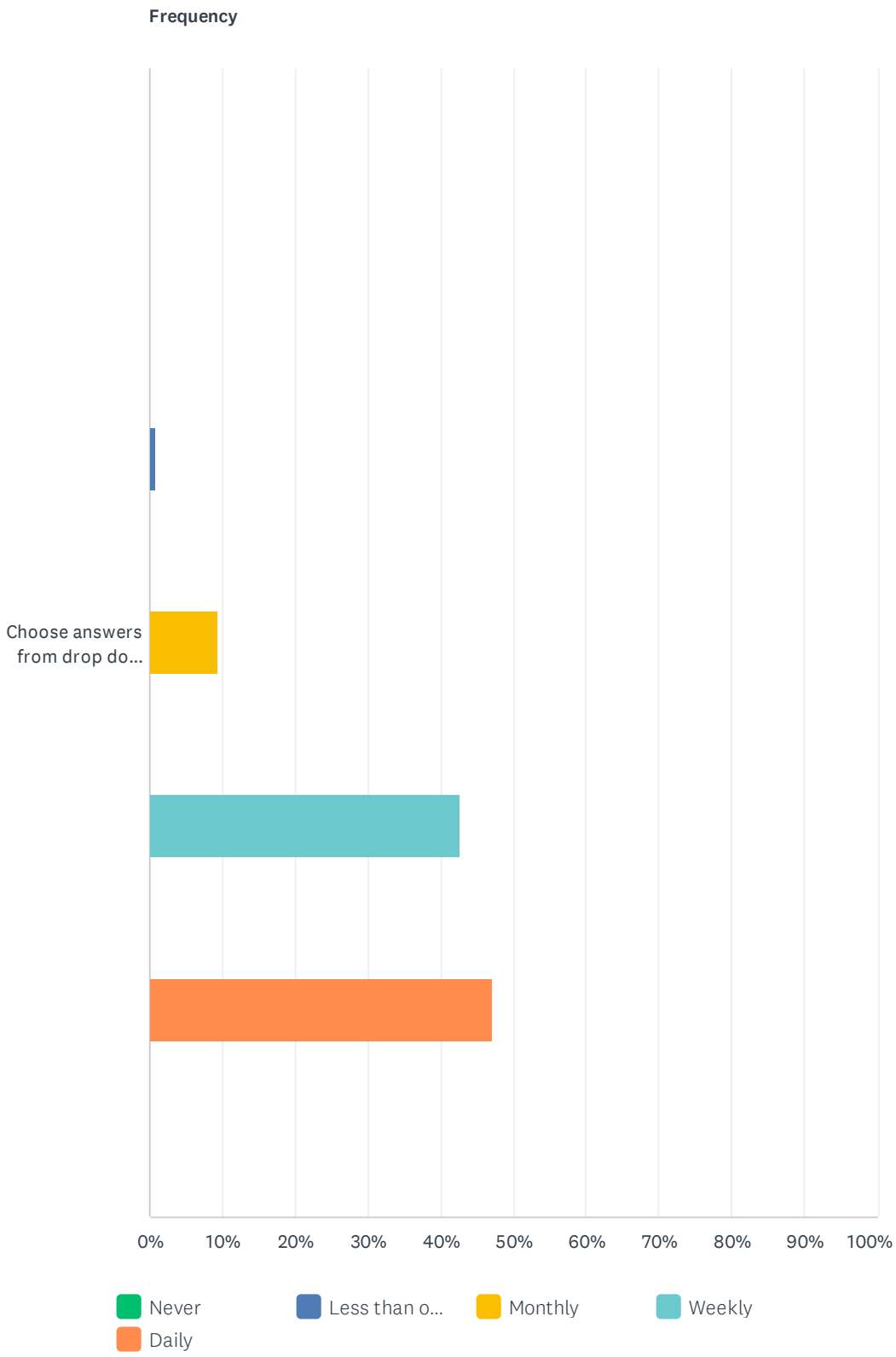

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 14.04%<br>32 | 34.65%<br>79 | 34.65%<br>79 | 16.67%<br>38 | 228 |

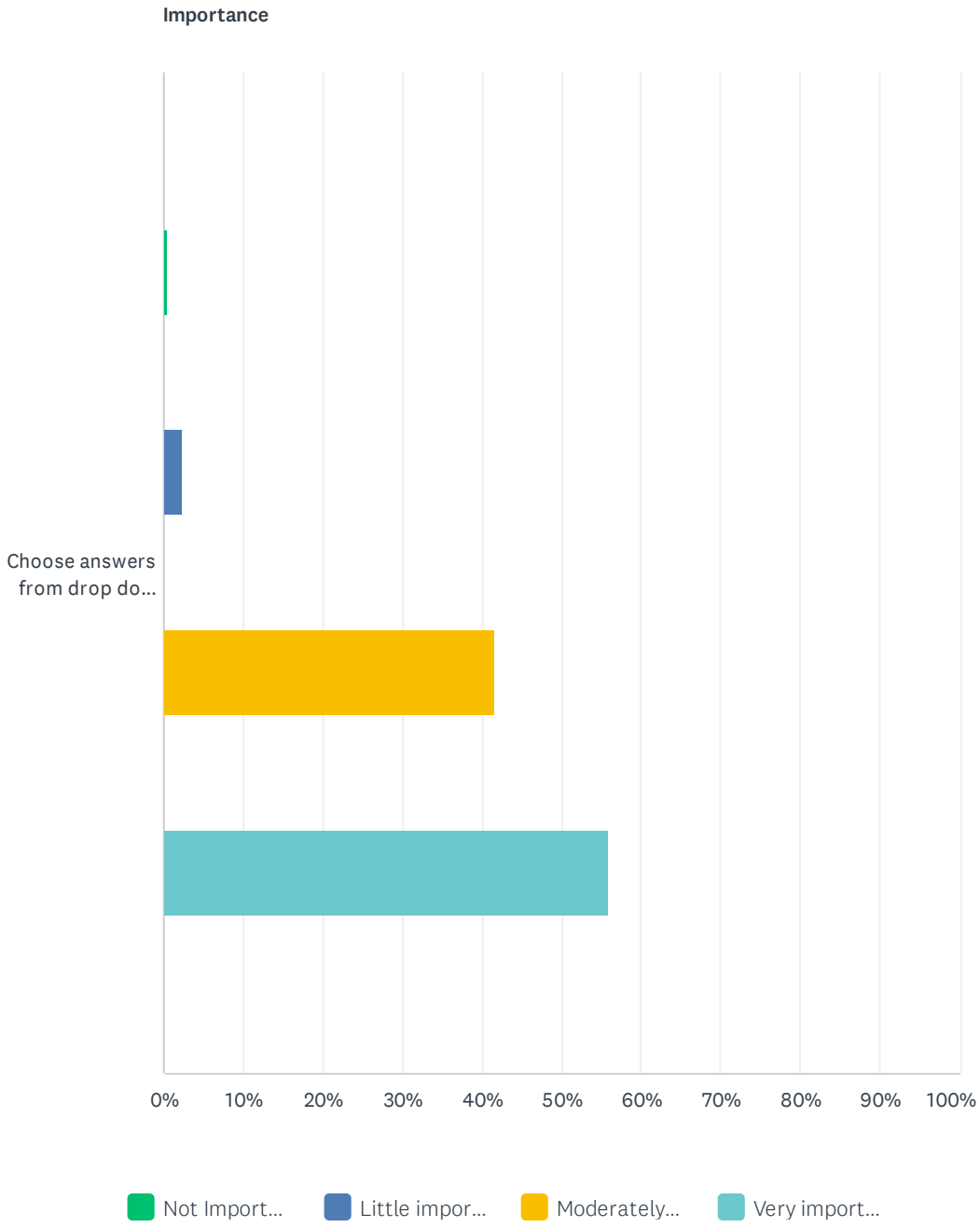
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.35%<br>3 | 32.88%<br>73 | 65.77%<br>146 | 222 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 3.67%<br>8 | 22.48%<br>49 | 37.16%<br>81 | 36.70%<br>80 | <br>218 |

# Q160 3.7.1 Assessing remediation of activity and participation limitations.

Answered: 223 Skipped: 987

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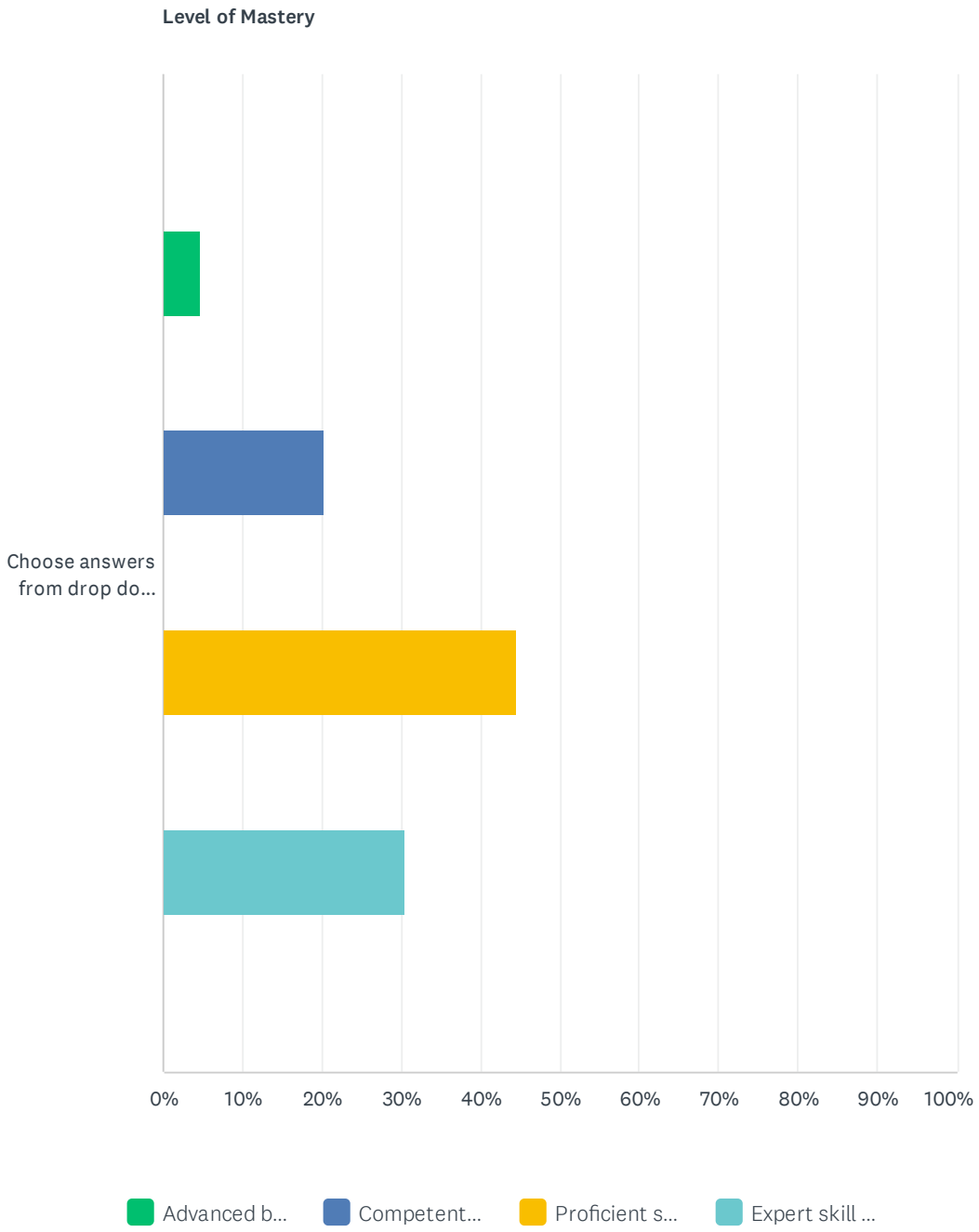


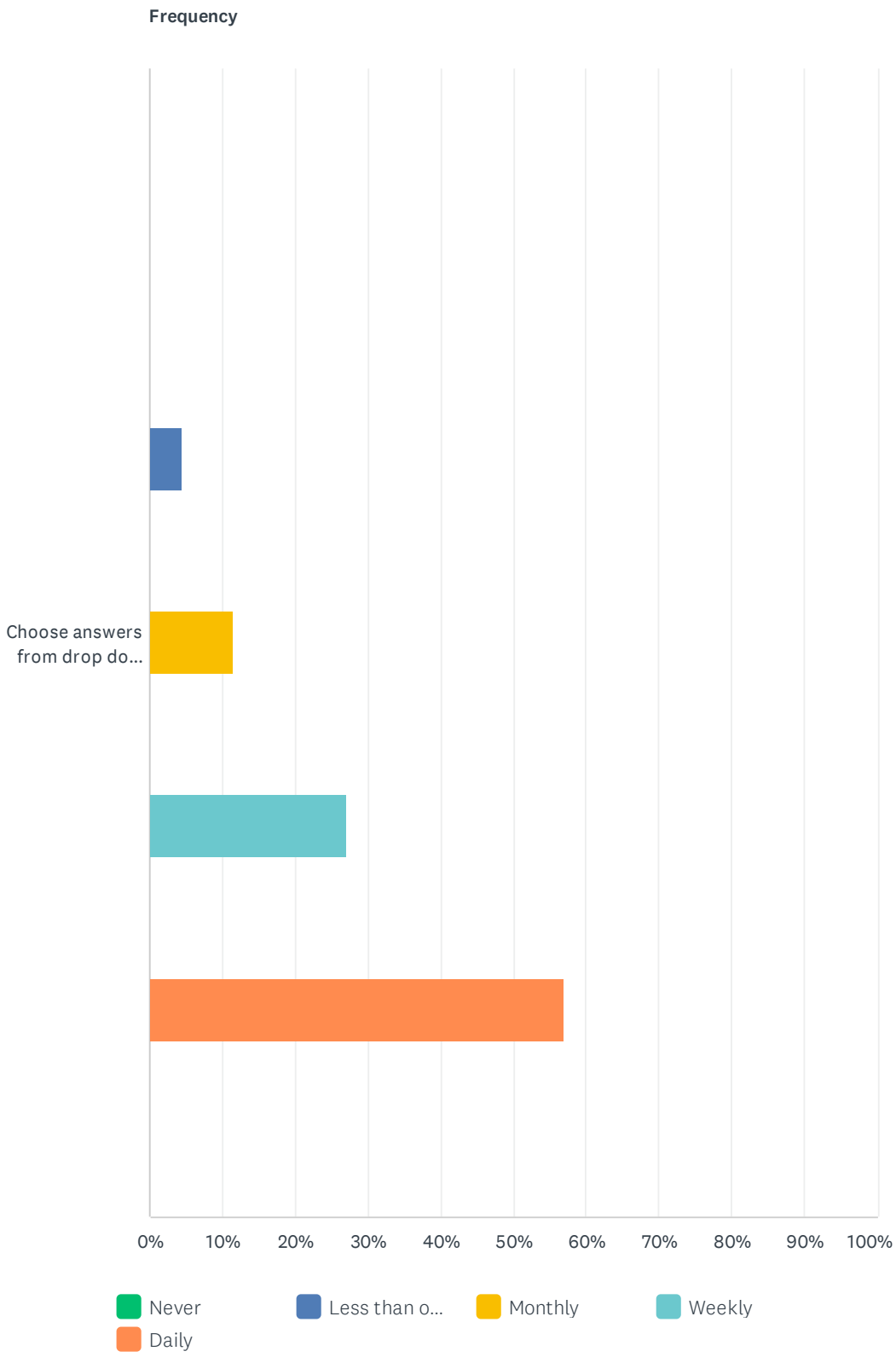

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.90%<br>2 | 9.42%<br>21 | 42.60%<br>95 | 47.09%<br>105 | 223 |

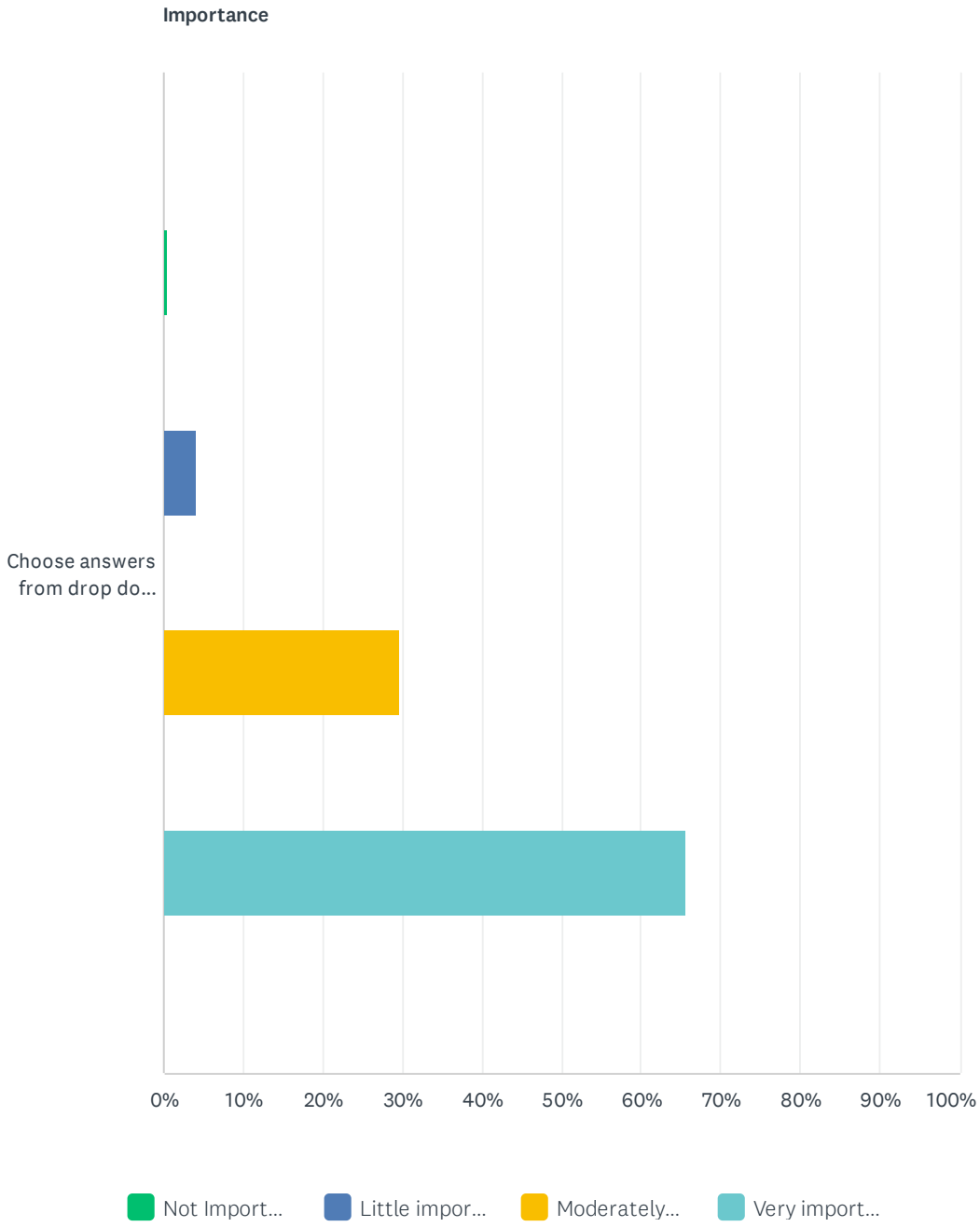
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.46%<br>1 | 2.30%<br>5 | 41.47%<br>90 | 55.76%<br>121 | 217 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 4.69%<br>10 | 20.19%<br>43 | 44.60%<br>95 | 30.52%<br>65 | <br>213 |

# Q161 3.7.2 Assessing patient satisfaction.

Answered: 225 Skipped: 985

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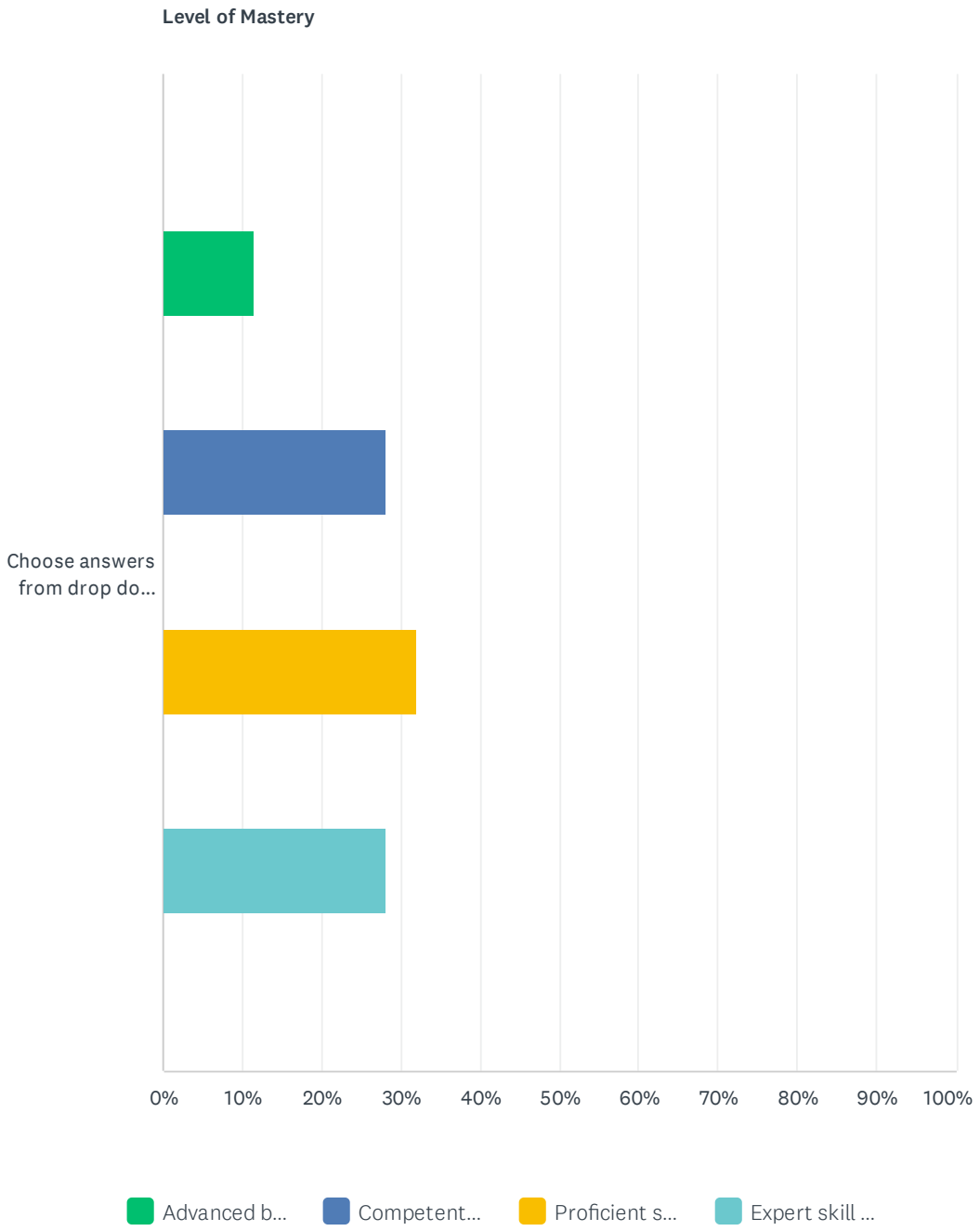


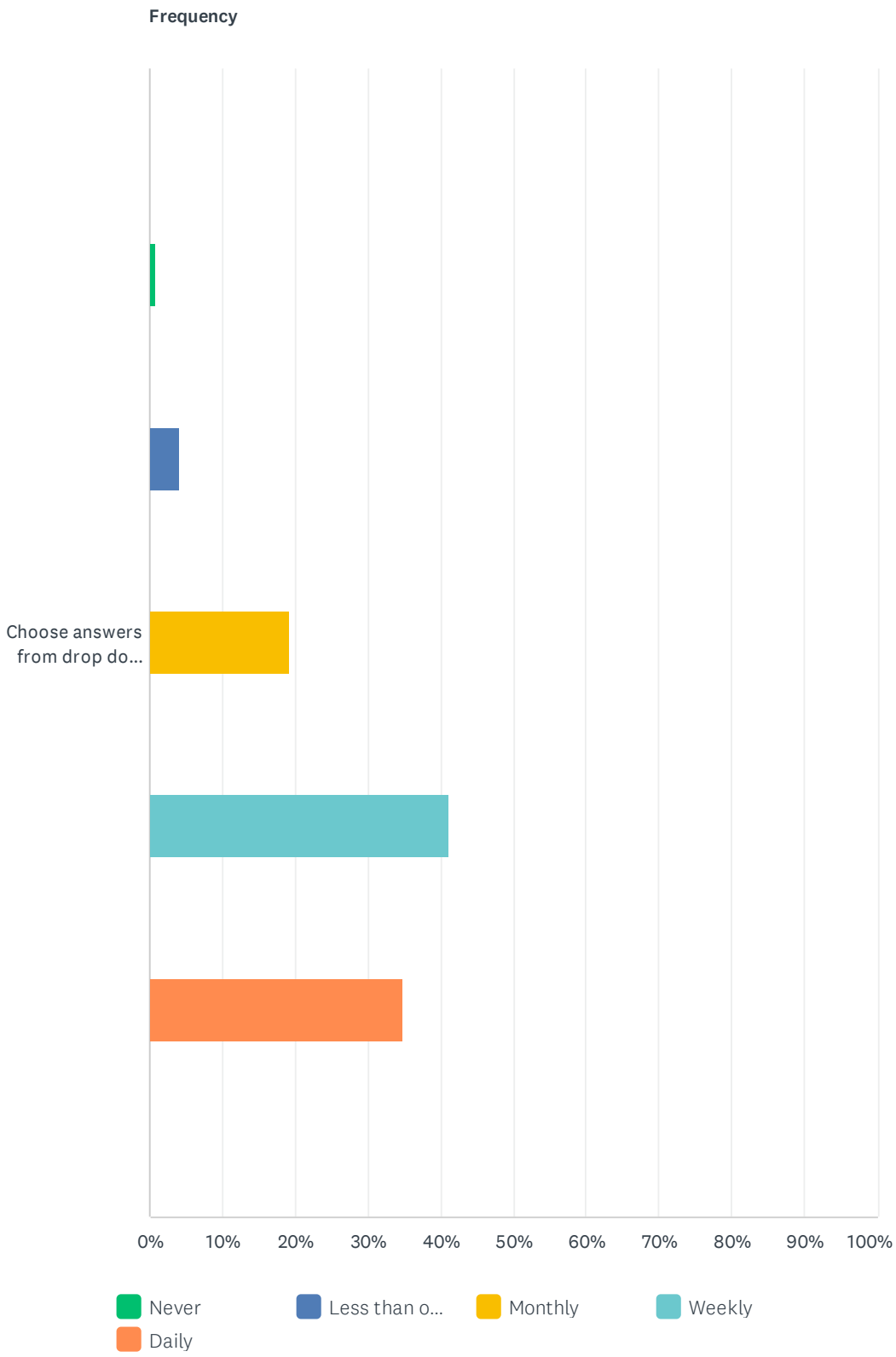

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 4.44%<br>10 | 11.56%<br>26 | 27.11%<br>61 | 56.89%<br>128 | 225 |

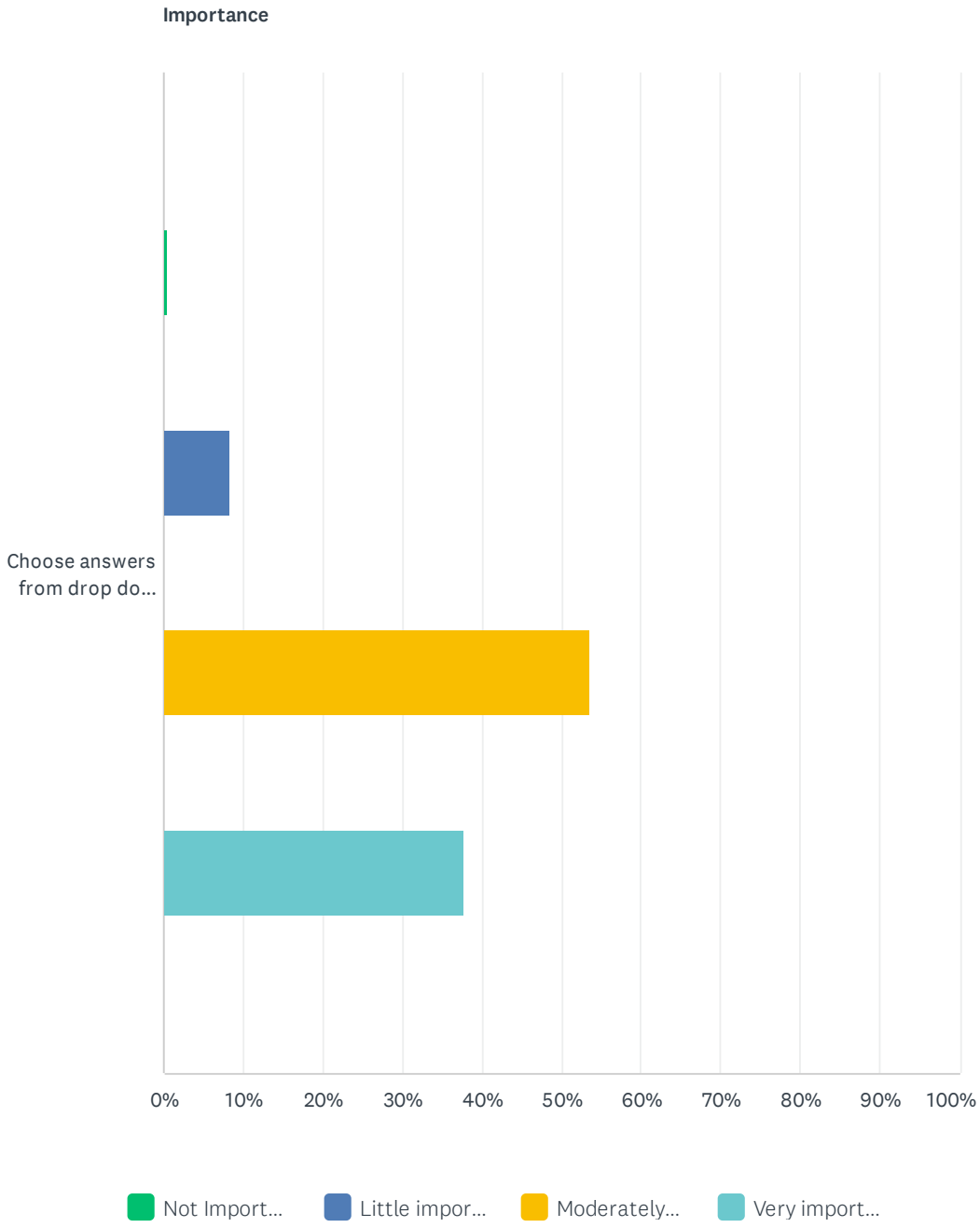
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.46%<br>1 | 4.11%<br>9 | 29.68%<br>65 | 65.75%<br>144 | 219 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 11.57%<br>25 | 28.24%<br>61 | 31.94%<br>69 | 28.24%<br>61 | 216 |

# Q162 3.7.3 Assessing promotion of primary and secondary prevention.

Answered: 224 Skipped: 986

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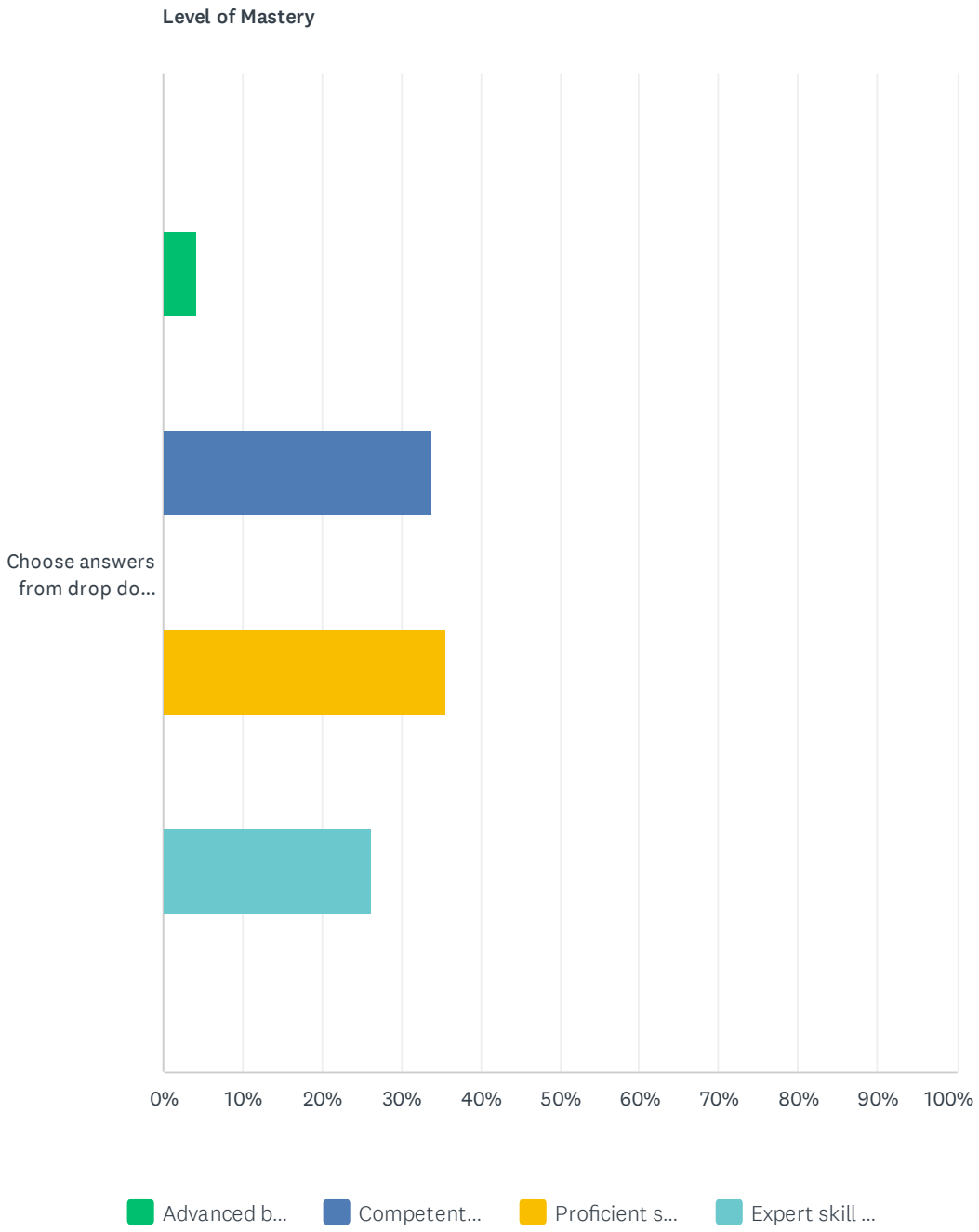


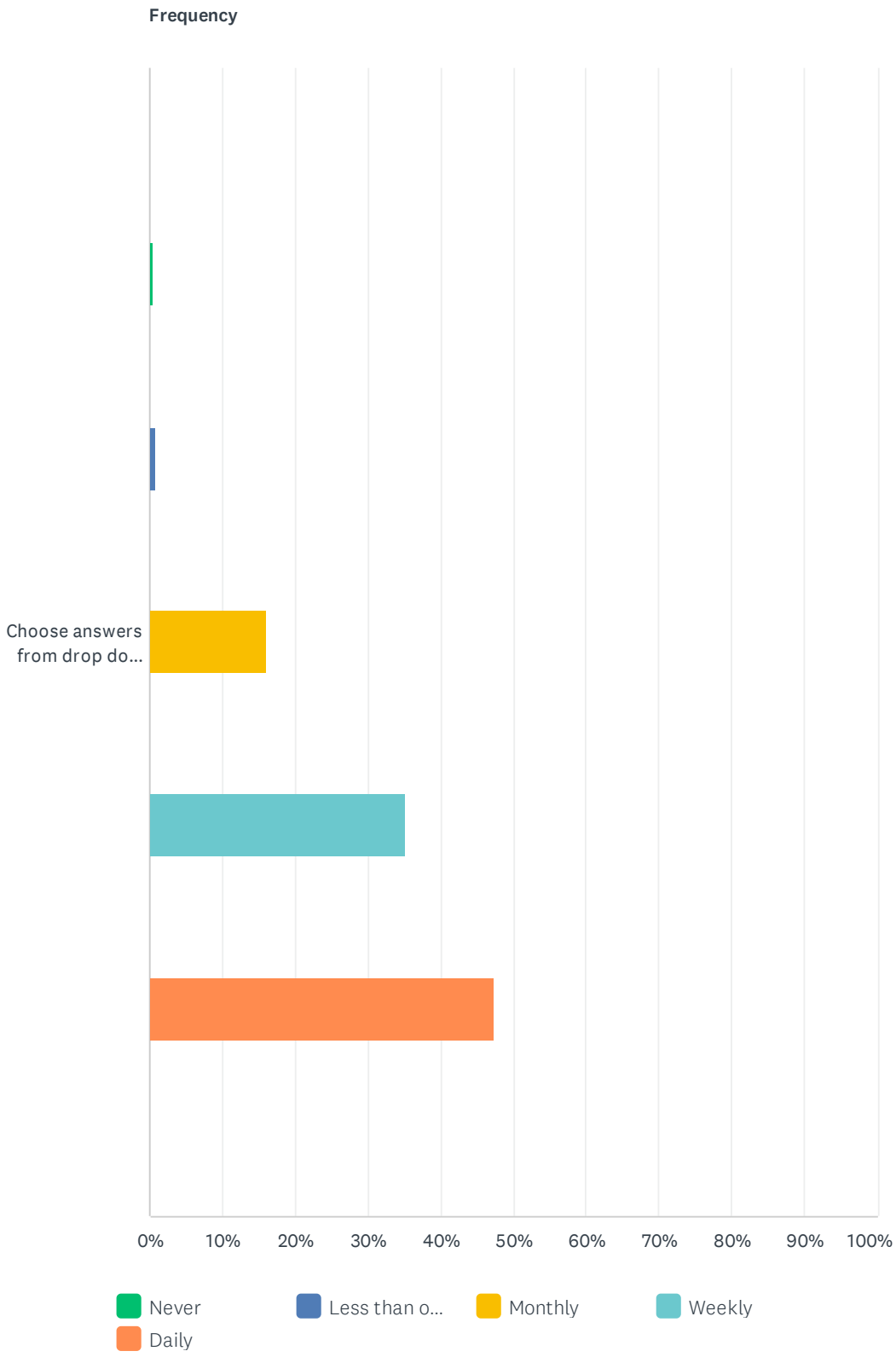

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.89%<br>2 | 4.02%<br>9 | 19.20%<br>43 | 41.07%<br>92 | 34.82%<br>78 | 224 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.46%<br>1 | 8.29%<br>18 | 53.46%<br>116 | 37.79%<br>82 | 217 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 4.23%<br>9 | 33.80%<br>72 | 35.68%<br>76 | 26.29%<br>56 | <br>213 |

# Q163 3.7.4 Assessing improvement of patient’s/client’s activities and participation based on best available evidence and patient/client-specific variables (i.e., benchmarking).

Answered: 224 Skipped: 986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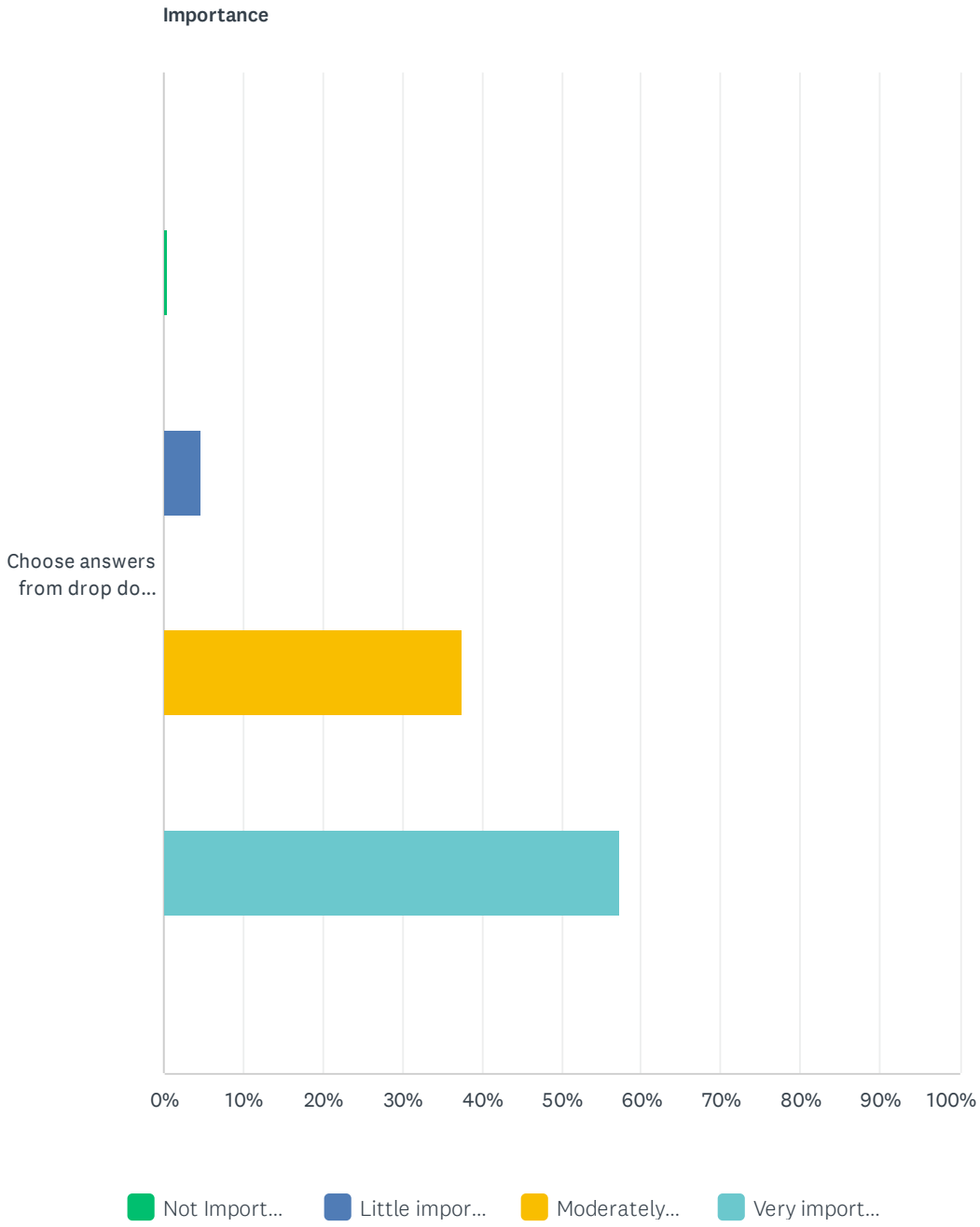
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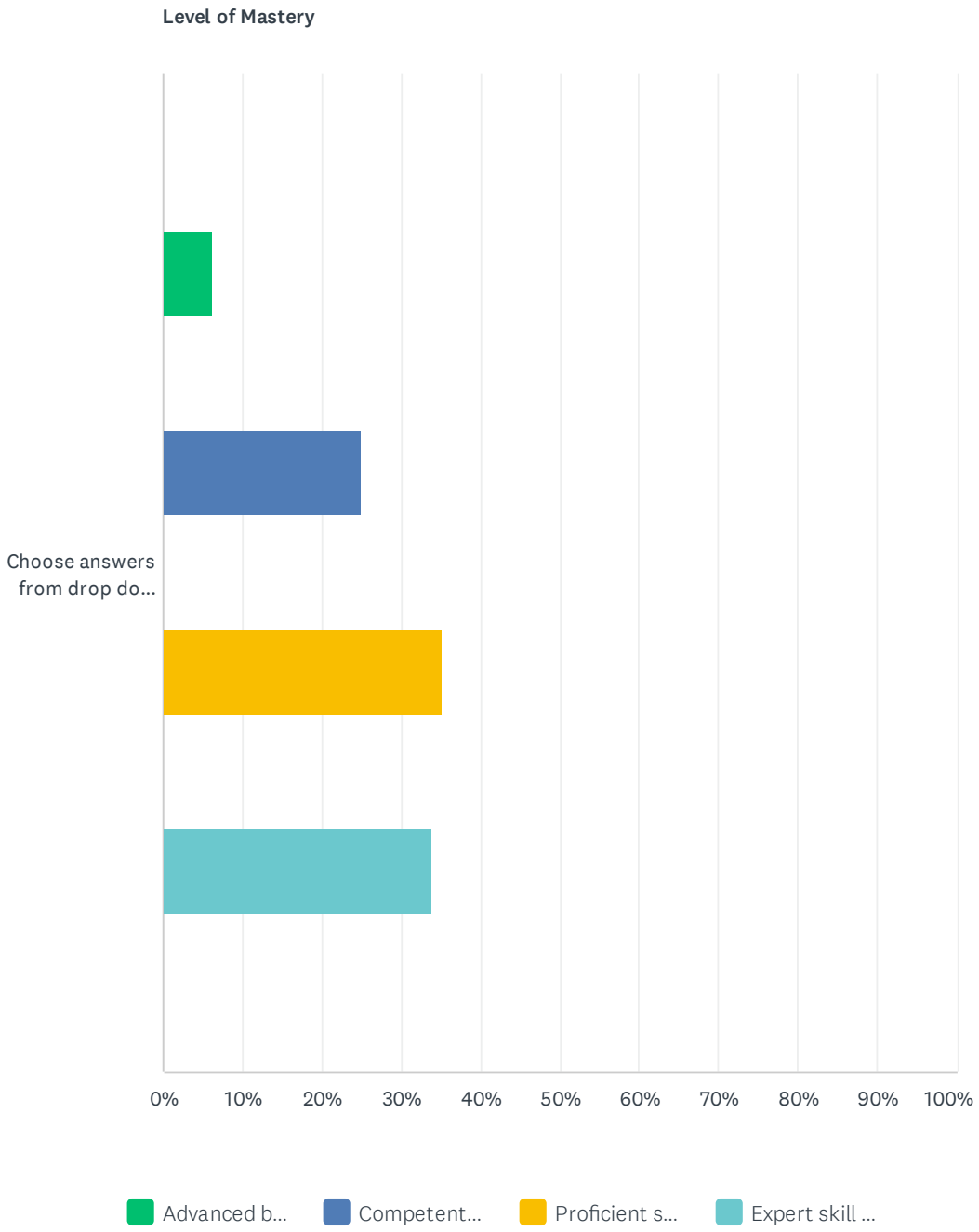


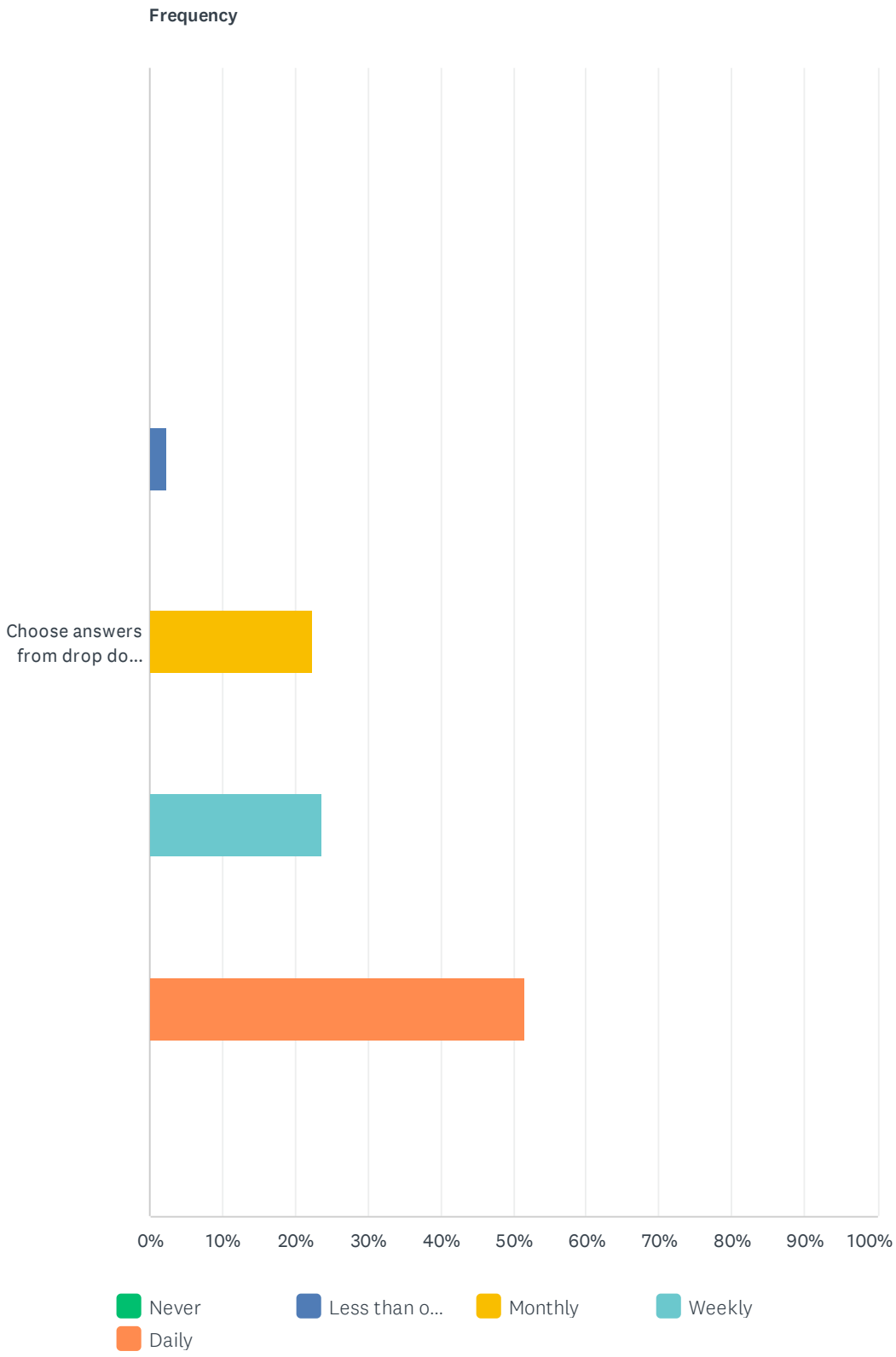

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.45%<br>1 | 0.89%<br>2 | 16.07%<br>36 | 35.27%<br>79 | 47.32%<br>106 | 224 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.46%<br>1 | 4.59%<br>10 | 37.61%<br>82 | 57.34%<br>125 | 218 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 6.10%<br>13 | 24.88%<br>53 | 35.21%<br>75 | 33.80%<br>72 | <br>213 |

# Q164 3.7.5 Using applicable, evidence-based outcomes measurement tools/questionnaires/scales (e.g., Oswestry, Fear Avoidance Behavior Questionnaire).

Answered: 223 Skipped: 987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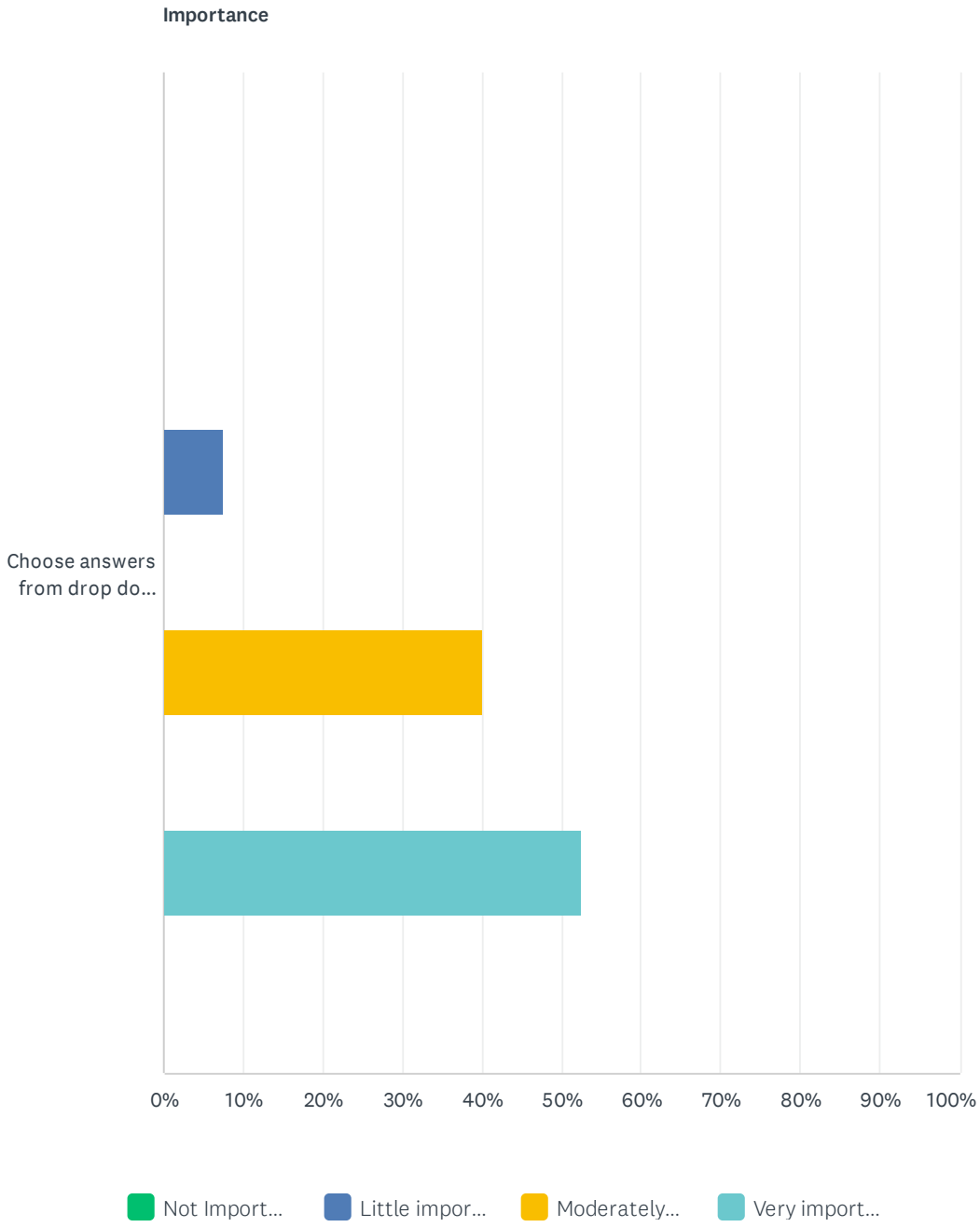
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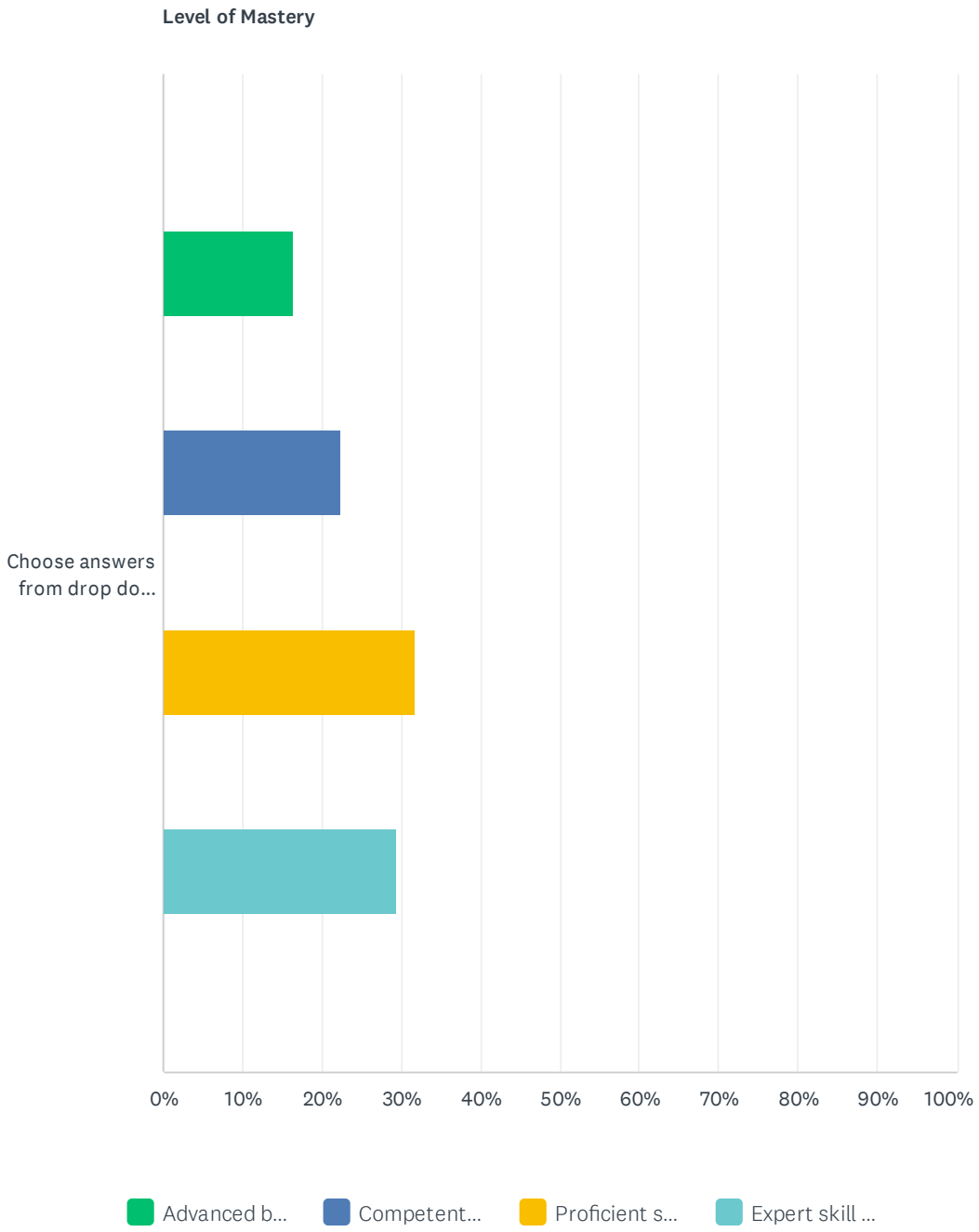


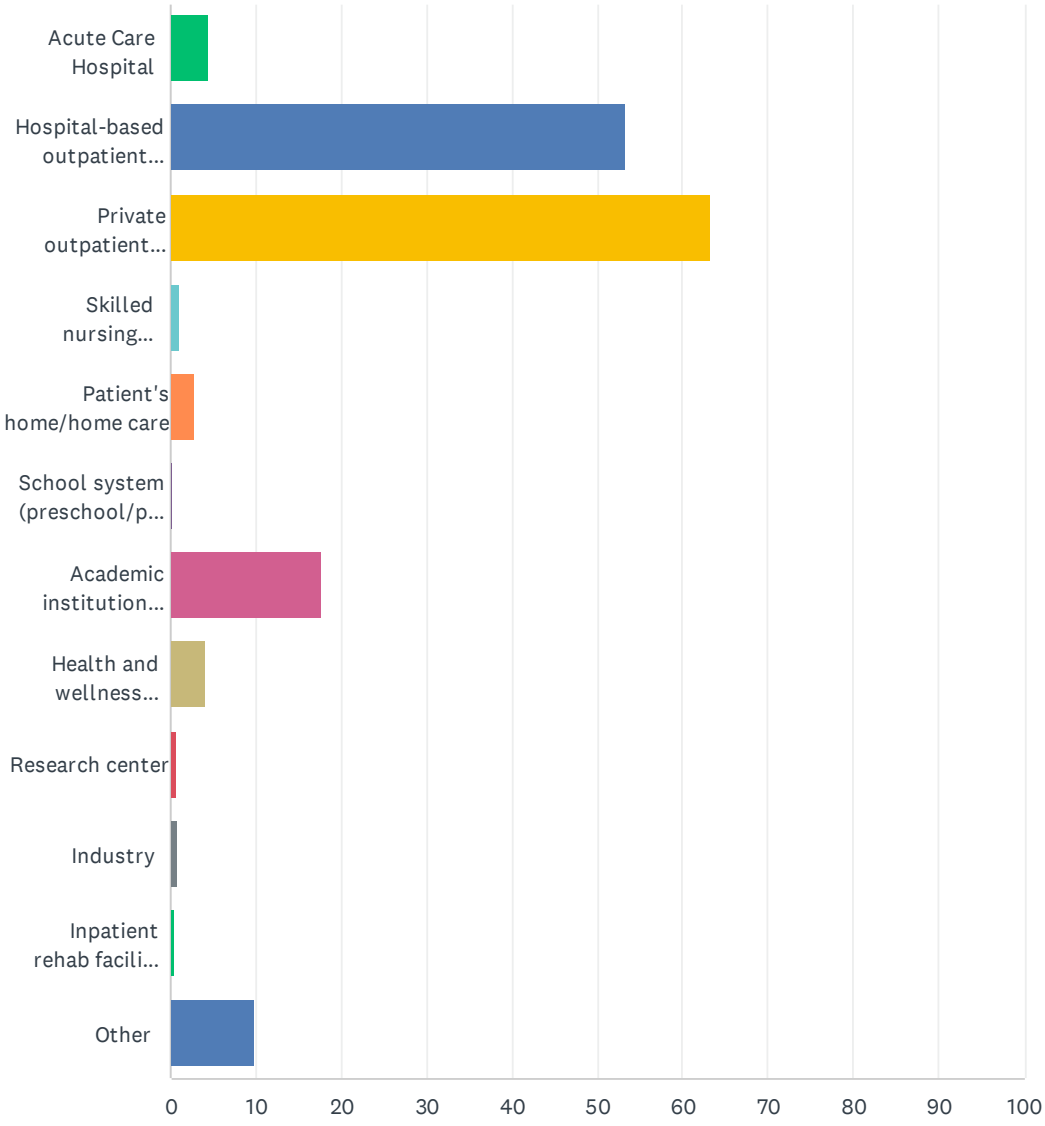

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 2.24%<br>5 | 22.42%<br>50 | 23.77%<br>53 | 51.57%<br>115 | 223 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 7.37%<br>16 | 40.09%<br>87 | 52.53%<br>114 | 217 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 16.36%<br>35 | 22.43%<br>48 | 31.78%<br>68 | 29.44%<br>63 | <br>214 |

# Q165 4.1 Please indicate the percentage of time you spend in the following settings as an orthopaedic spine physical therapist (total must equal 100%).

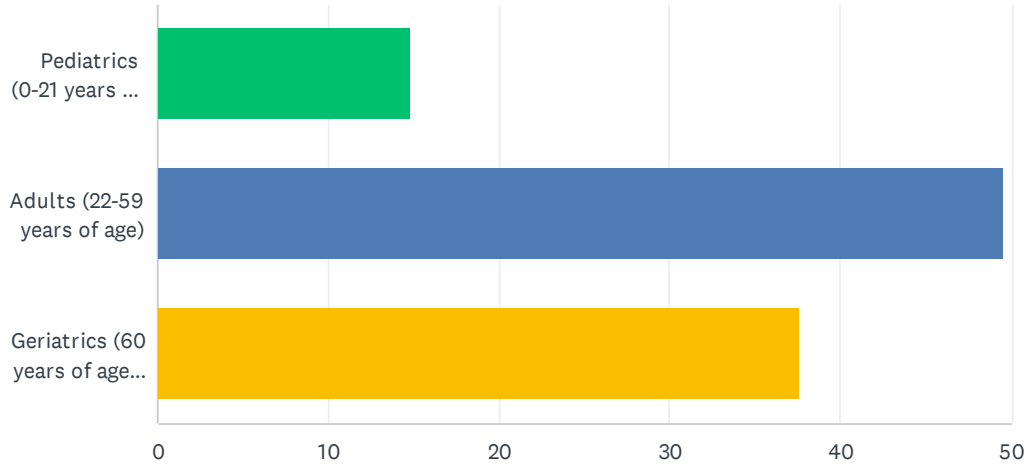
Answered: 230 Skipped: 980



| ANSWER CHOICES | AVERAGE NUMBER | TOTAL NUMBER | RESPONSES |
|---|---|---|---|
| Acute Care Hospital | 5 | 466 | 115 |
| Hospital-based outpatient facility or clinic | 53 | 8,590 | 162 |
| Private outpatient office or group practice | 63 | 10,005 | 159 |
| Skilled nursing facility (SNF)/long-term care | 1 | 115 | 96 |
| Patient's home/home care | 3 | 295 | 103 |
| School system (preschool/primary/secondary) | 0 | 15 | 97 |
| Academic institution (postsecondary) | 18 | 2,101 | 116 |
| Health and wellness facility | 4 | 362 | 103 |
| Research center | 1 | 80 | 97 |
| Industry | 1 | 90 | 97 |
| Inpatient rehab facility (IRF) | 0 | 35 | 98 |
| Other | 10 | 846 | 86 |
| Total Respondents: 230 | | | |

# Q166 5.1 In the past year, what percentage of patients/clients have you provided physical therapy services for in the following age groups? (total must equal 100%)

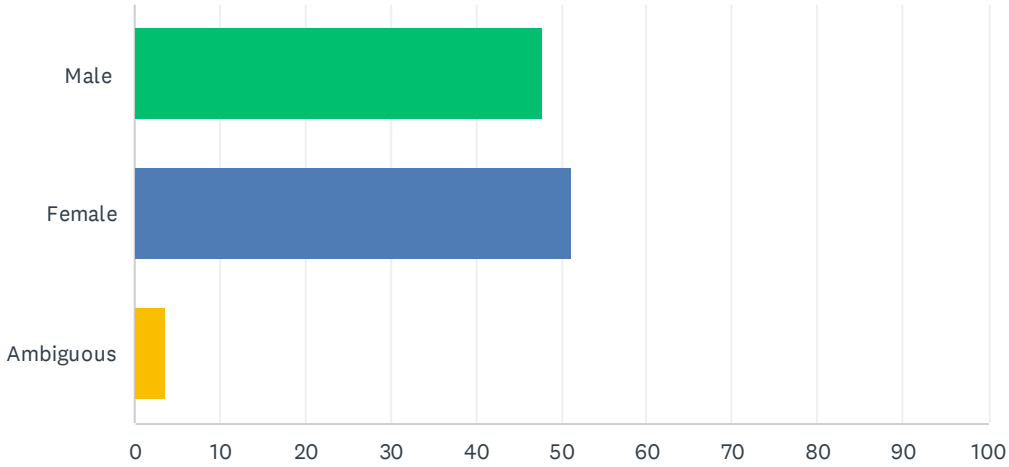
Answered: 230 Skipped: 980




| ANSWER CHOICES | AVERAGE NUMBER | TOTAL NUMBER | RESPONSES |
|---|---|---|---|
| Pediatrics (0-21 years of age) | 15 | 3,150 | 211 |
| Adults (22-59 years of age) | 50 | 11,398 | 230 |
| Geriatrics (60 years of age to end of life) | 38 | 8,452 | 225 |
| Total Respondents: 230 | | | |

# Q167 5.2 In the past year, what percentage of patients/clients have you provided physical therapy services for in the following sex groups? (total must equal 100%)

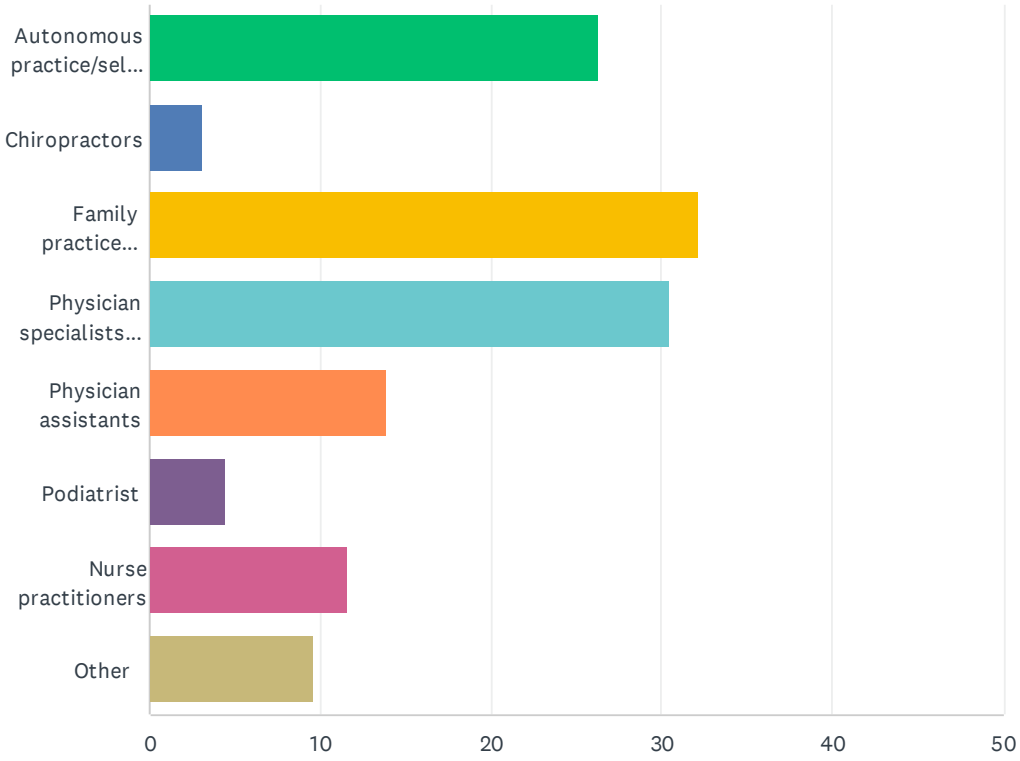
Answered: 228 Skipped: 982




| ANSWER CHOICES | AVERAGE NUMBER | TOTAL NUMBER | RESPONSES |
|---|---|---|---|
| Male | 48 | 10,826 | 227 |
| Female | 51 | 11,615 | 227 |
| Ambiguous | 4 | 359 | 99 |
| Total Respondents: 228 | | | |

# Q168 5.3 Please indicate your referral sources by percentage below. (total must equal 100%)

Answered: 228 Skipped: 982



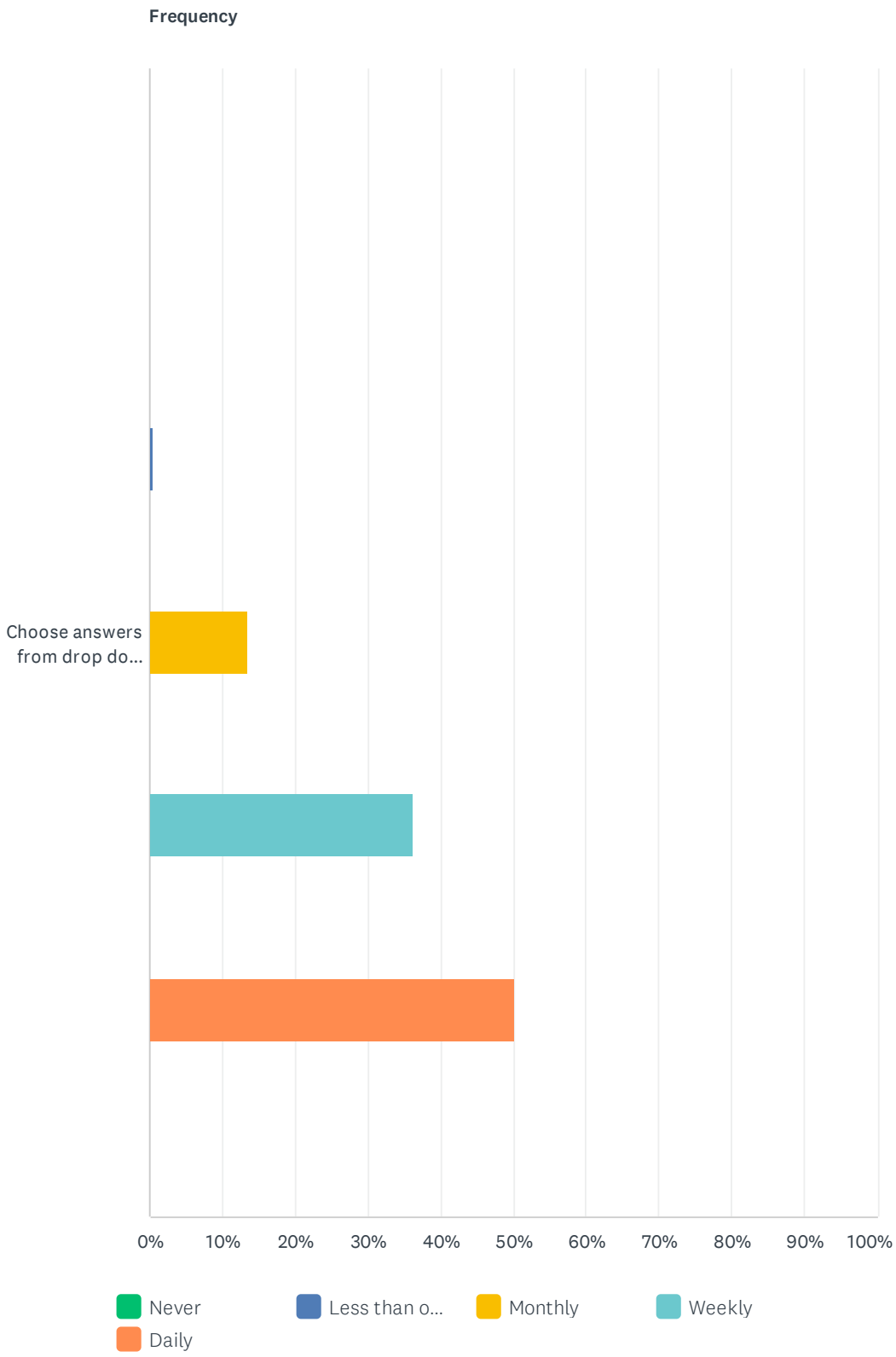

| ANSWER CHOICES | AVERAGE NUMBER | TOTAL NUMBER | RESPONSES |
|---|---|---|---|
| Autonomous practice/self-referral | 26 | 4,498 | 172 |
| Chiropractors | 3 | 345 | 110 |
| Family practice physicians or other physician primary care providers | 32 | 6,851 | 212 |
| Physician specialists (e.g. geriatrics physician) | 31 | 5,960 | 195 |
| Physician assistants | 14 | 2,260 | 164 |
| Podiatrist | 4 | 492 | 112 |
| Nurse practitioners | 12 | 1,718 | 145 |
| Other | 10 | 676 | 71 |
| Total Respondents: 228 | | | |

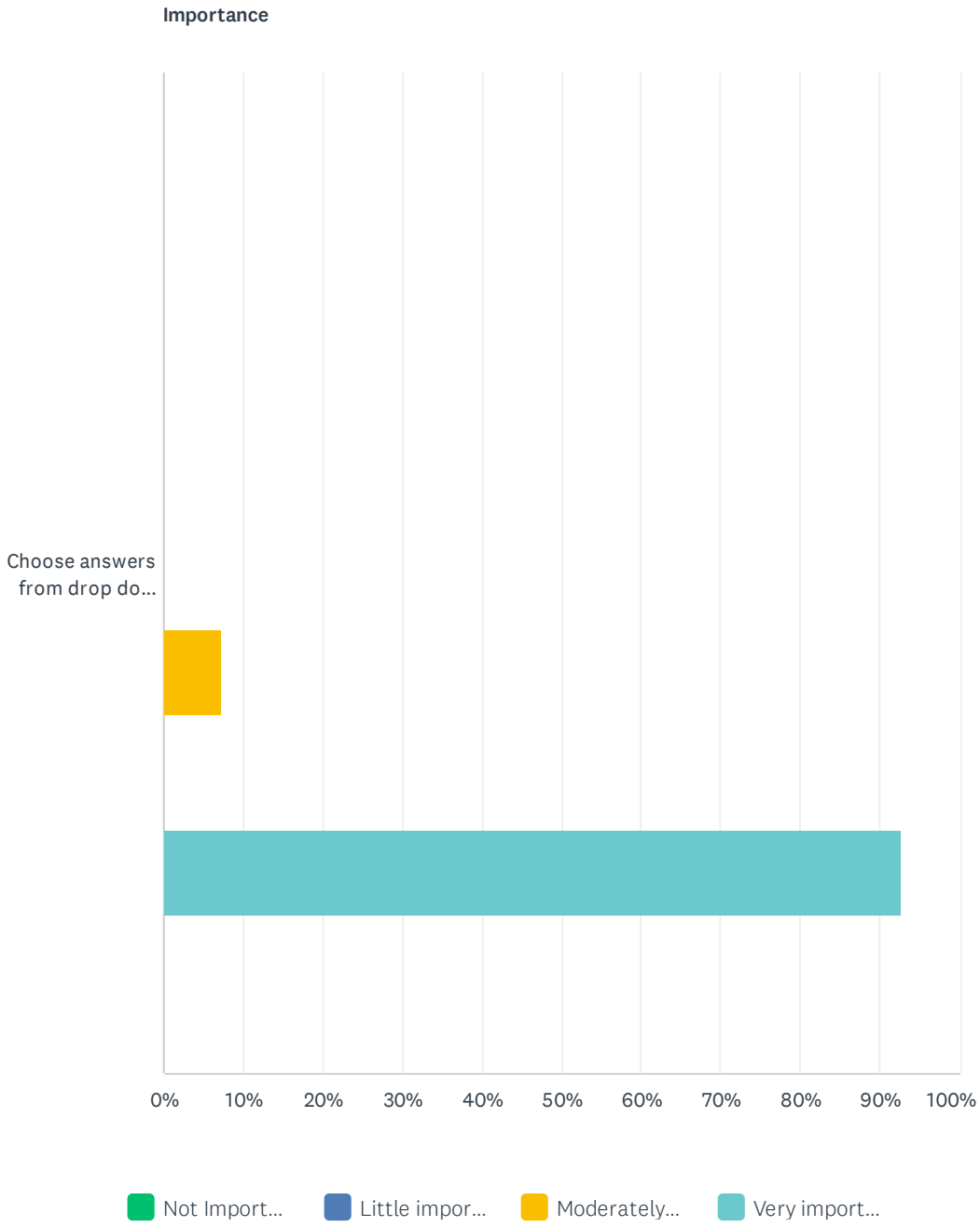
# Q169 5.3.1 If you entered information for "Other" above, please list a different referral source and percentage.

Answered: 33 Skipped: 1,177

# Q170 6.1.1 Cervical Radiculopathy.

Answered: 224 Skipped: 986

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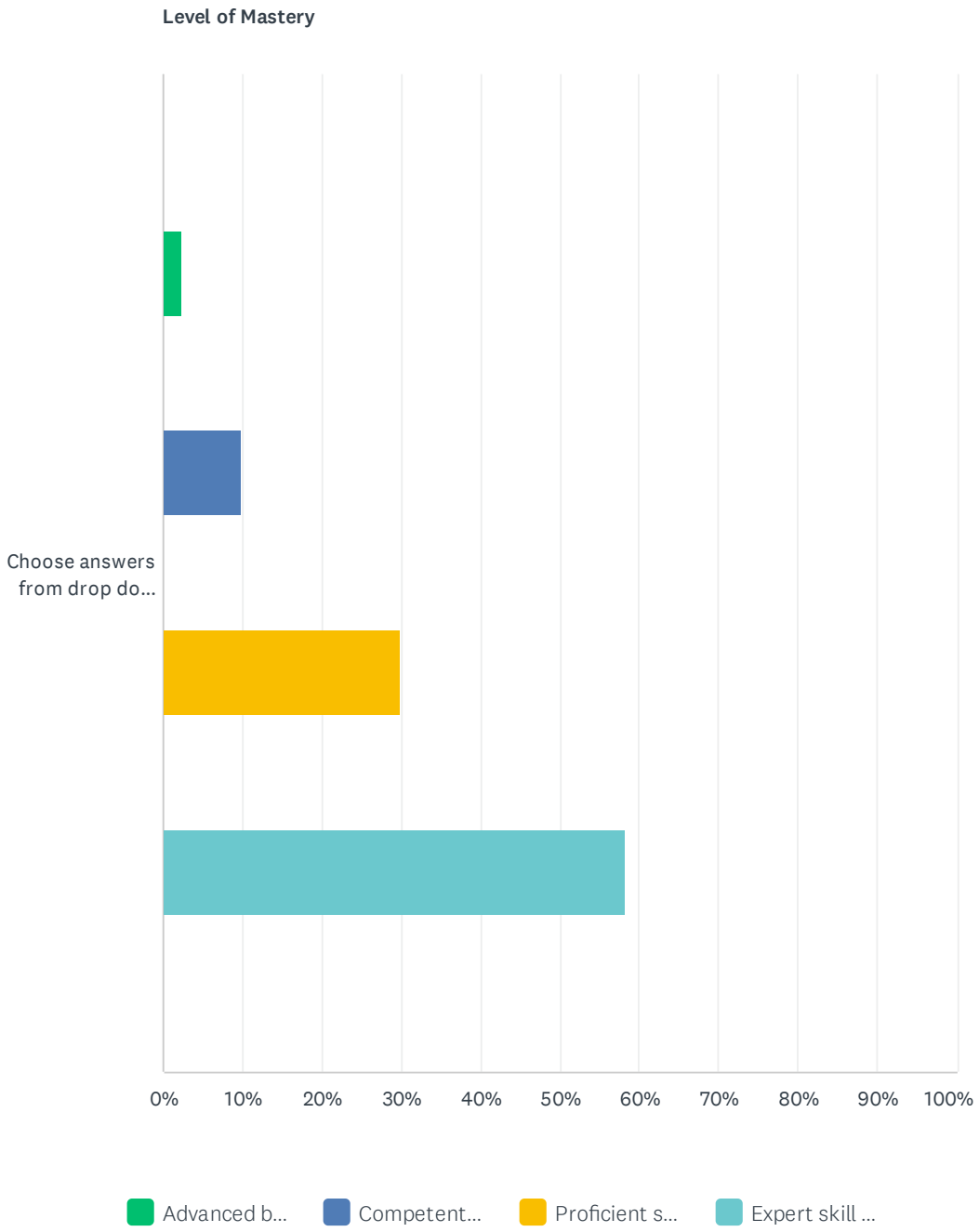


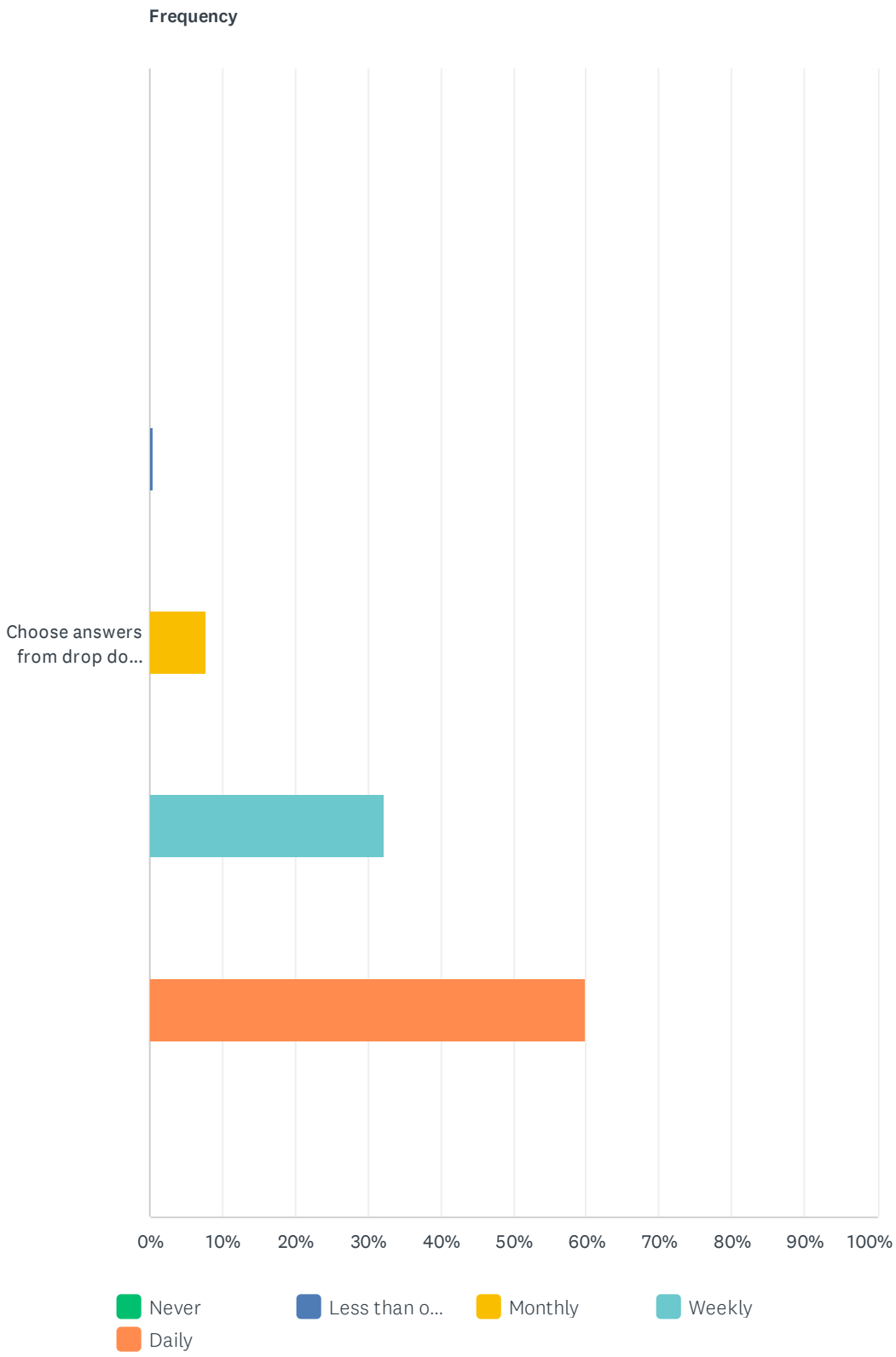

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.45%<br>1 | 13.39%<br>30 | 36.16%<br>81 | 50.00%<br>112 | 224 |

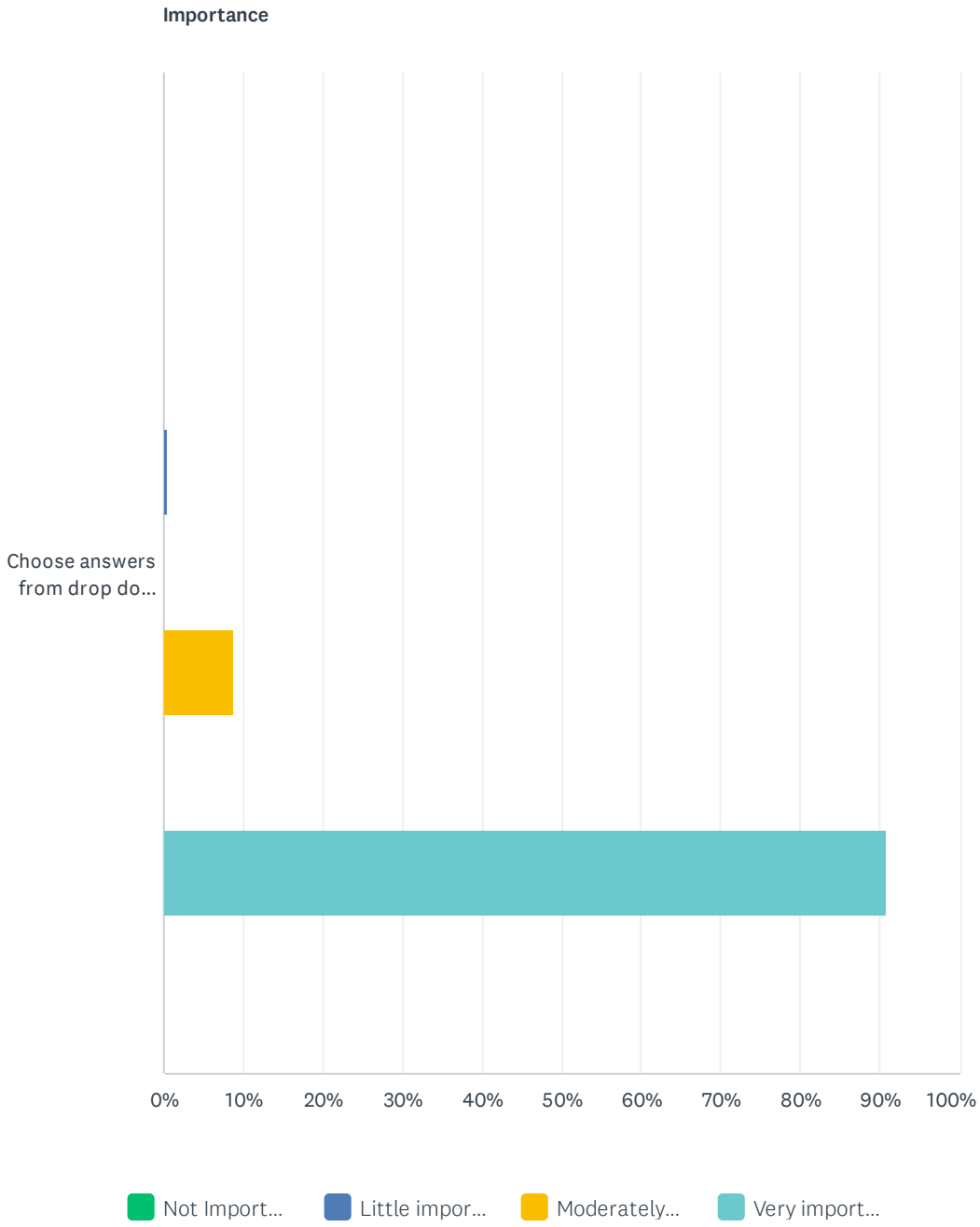
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.00%<br>0 | 7.34%<br>16 | 92.66%<br>202 | 218 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 2.33%<br>5 | 9.77%<br>21 | 29.77%<br>64 | 58.14%<br>125 | <br>215 |

# Q171 6.1.2 Lumbar Radiculopathy.

Answered: 224 Skipped: 986

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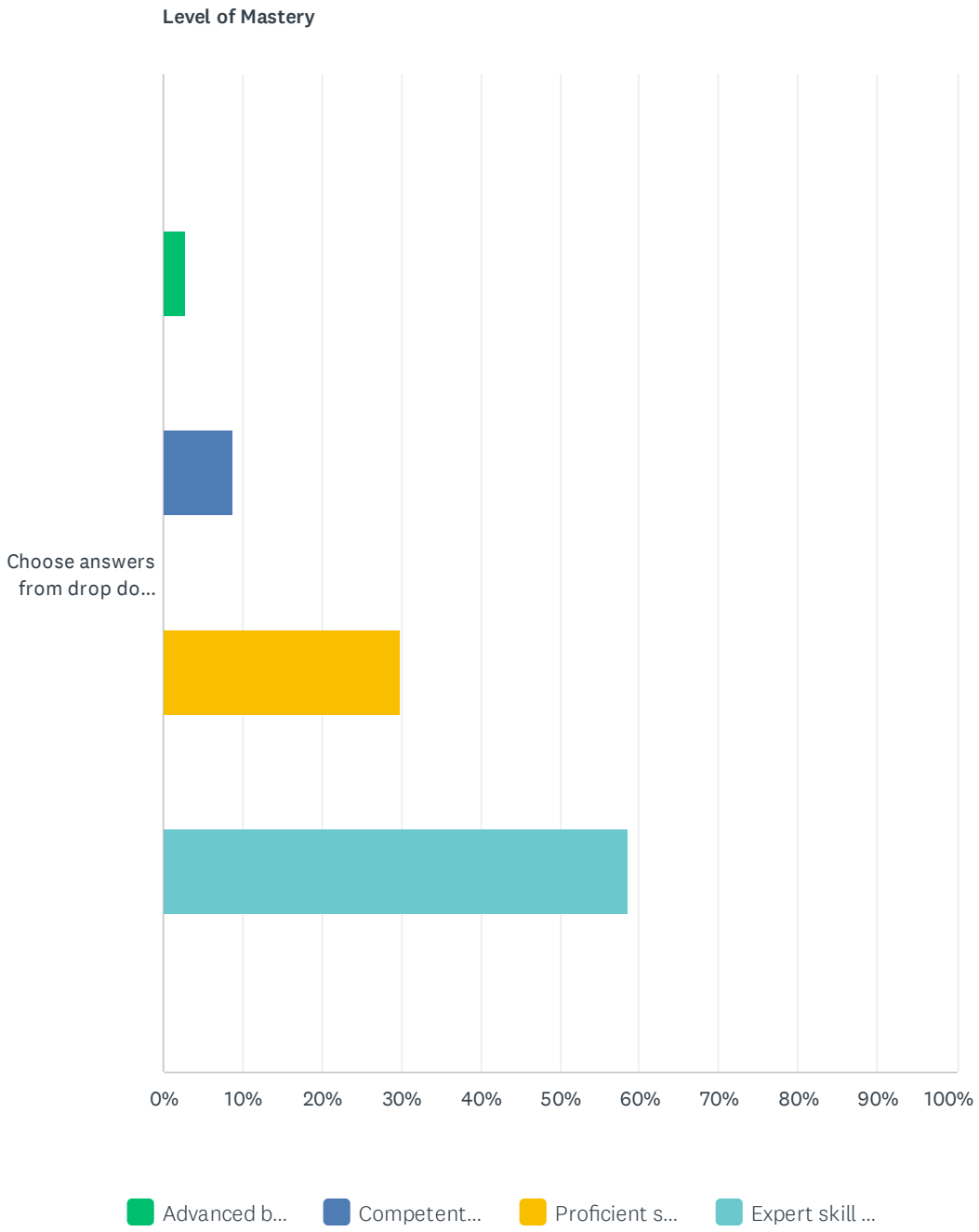


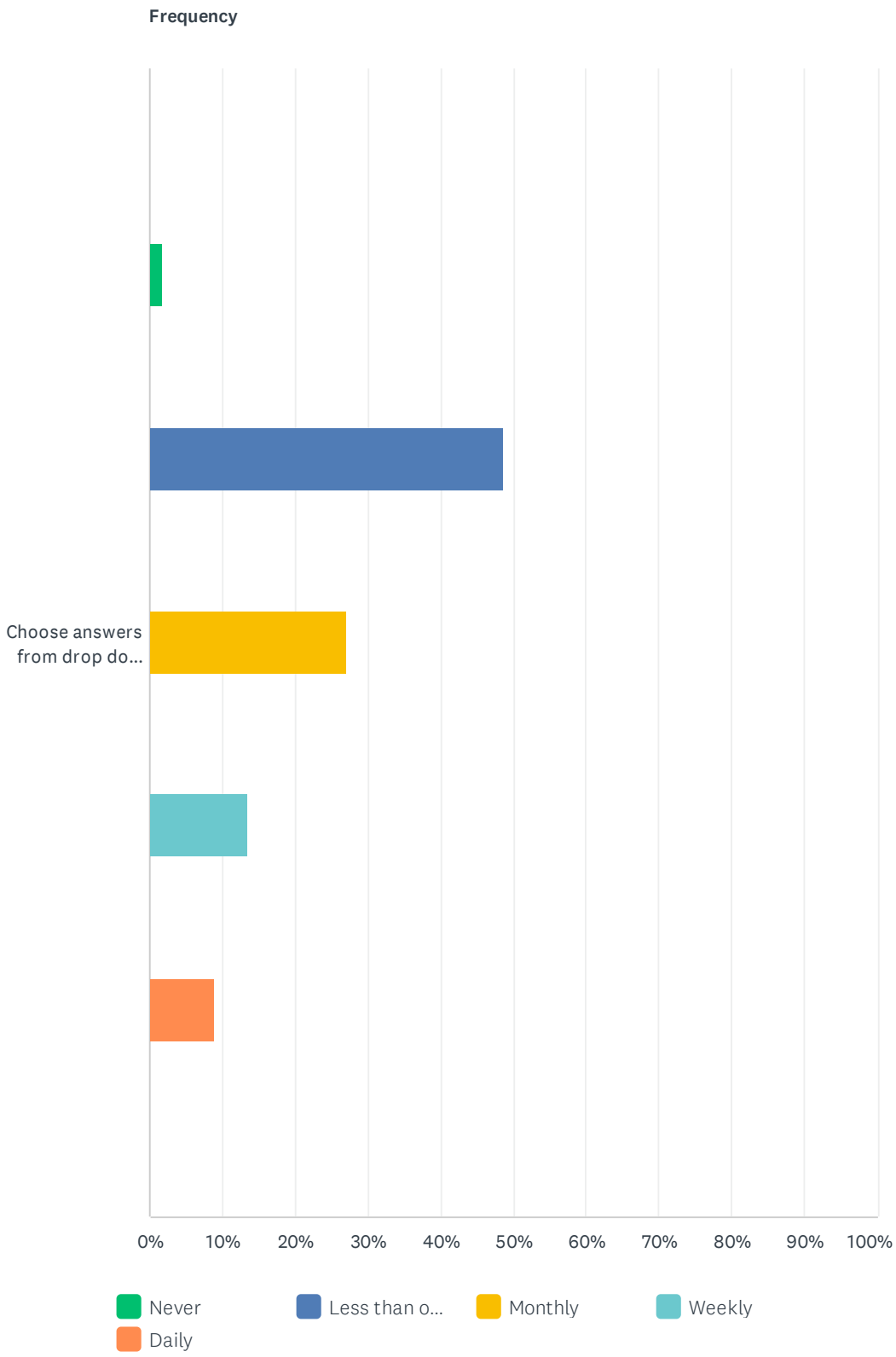

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.45%<br>1 | 7.59%<br>17 | 32.14%<br>72 | 59.82%<br>134 | 224 |

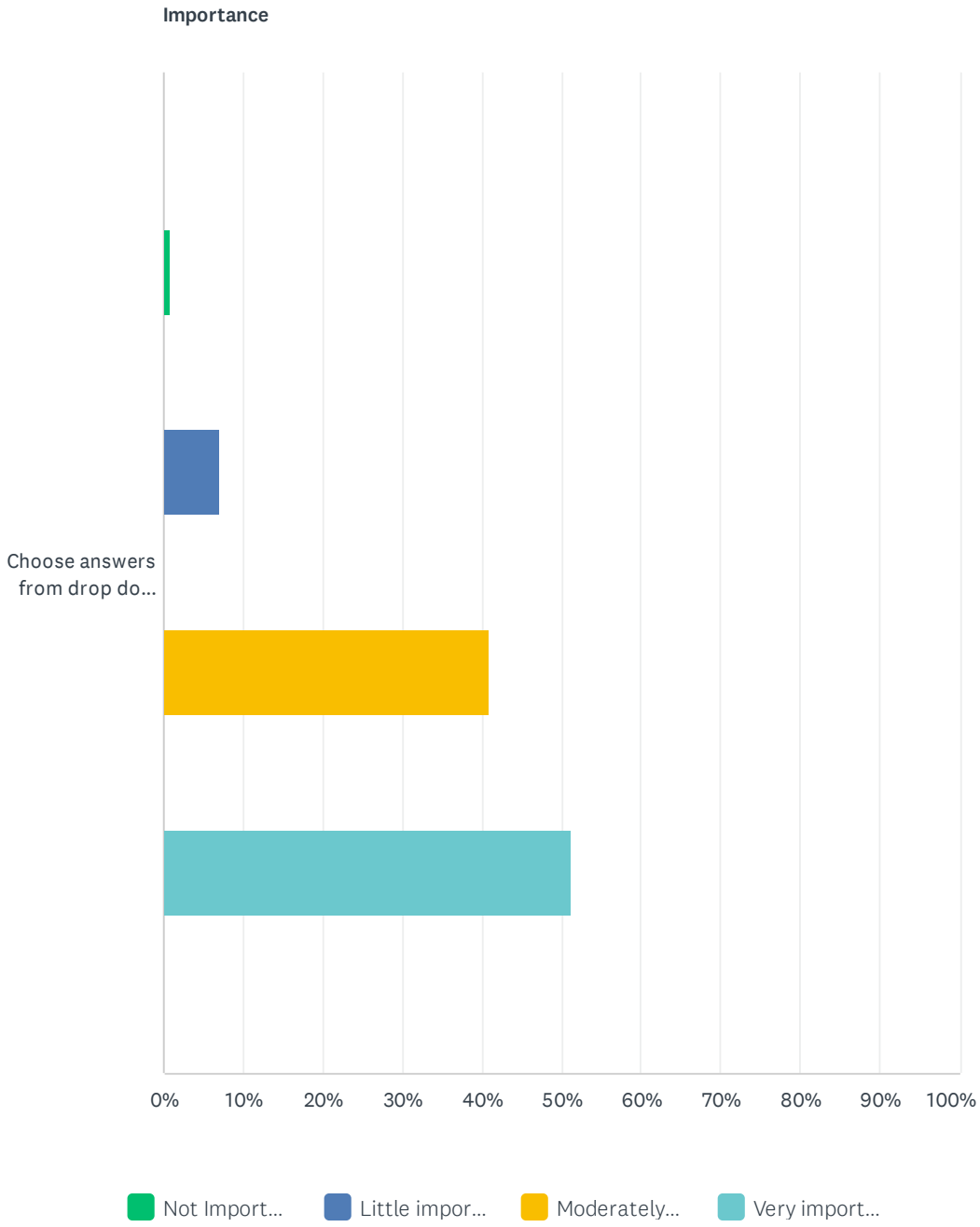
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 0.46%<br>1 | 8.72%<br>19 | 90.83%<br>198 | 218 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 2.79%<br>6 | 8.84%<br>19 | 29.77%<br>64 | 58.60%<br>126 | <br>215 |

# Q172 6.1.3 Thoracic Outlet Syndrome.

Answered: 222 Skipped: 988

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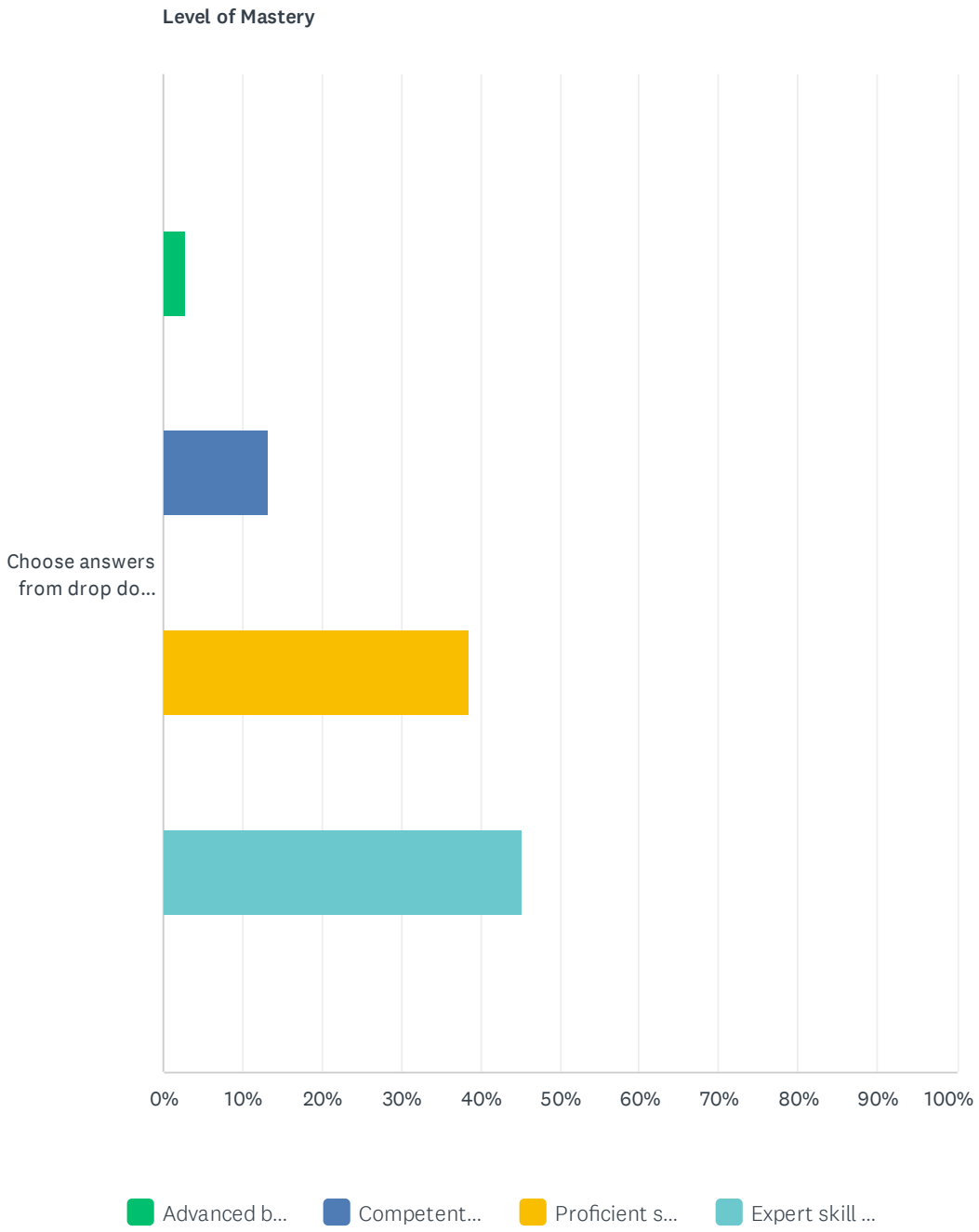


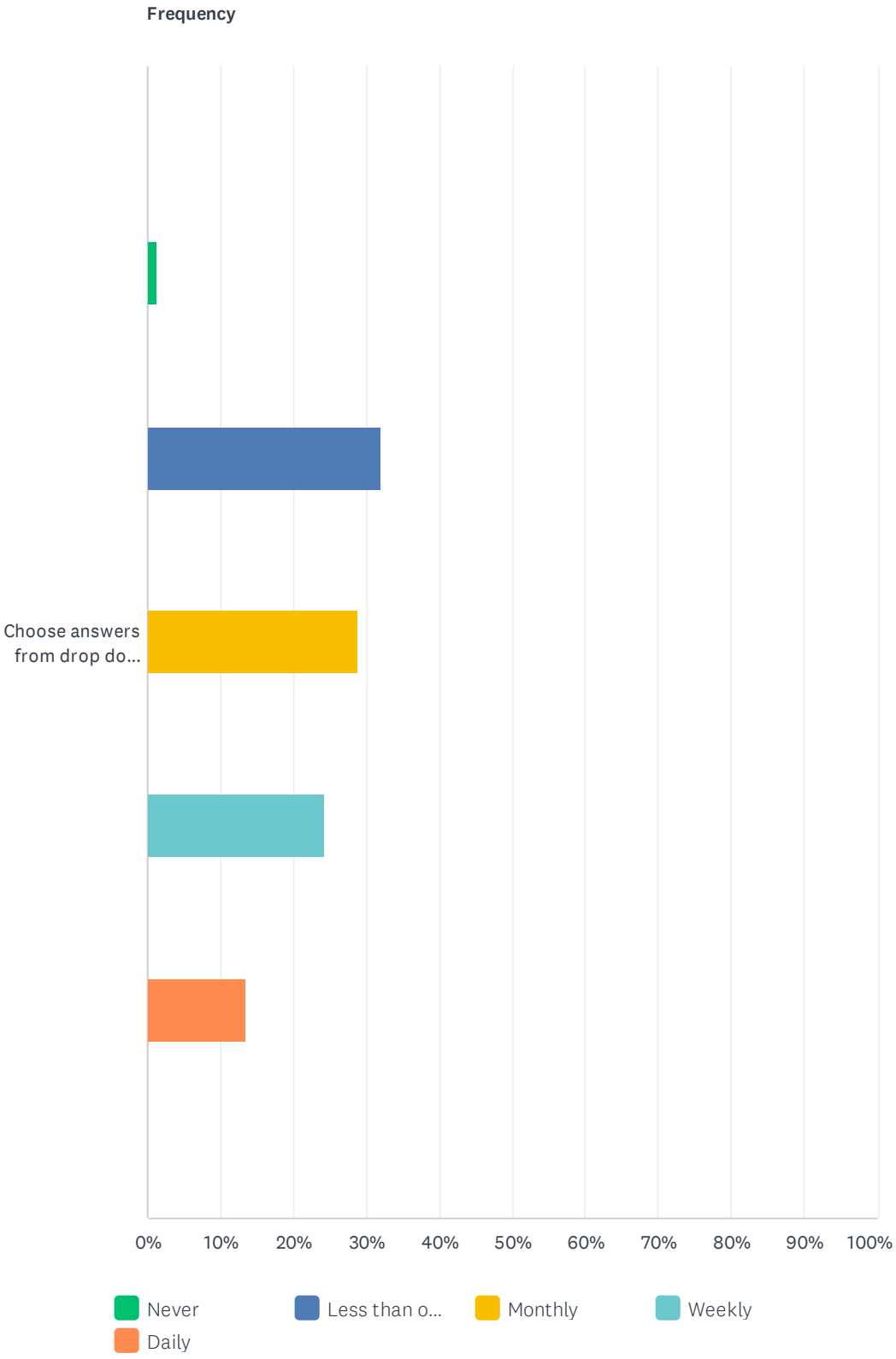

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.80%<br>4 | 48.65%<br>108 | 27.03%<br>60 | 13.51%<br>30 | 9.01%<br>20 | 222 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.93%<br>2 | 6.98%<br>15 | 40.93%<br>88 | 51.16%<br>110 | 215 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 2.83%<br>6 | 13.21%<br>28 | 38.68%<br>82 | 45.28%<br>96 | <br>212 |

# Q173 6.1.4 Other peripheral neural impingements (not including thoracic outlet syndrome; e.g., double crush syndrome, other neurodynamic disorders).

Answered: 223 Skipped: 987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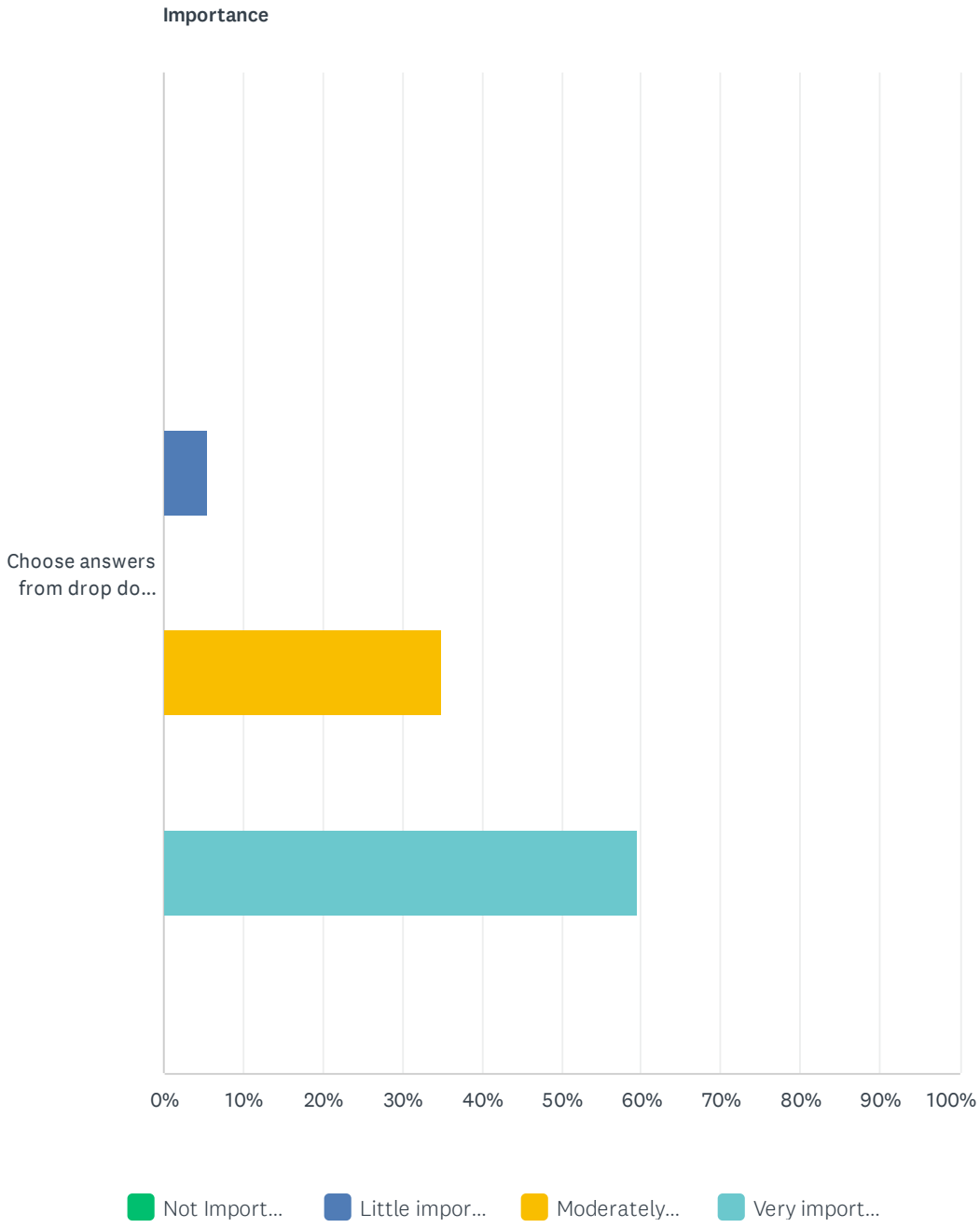
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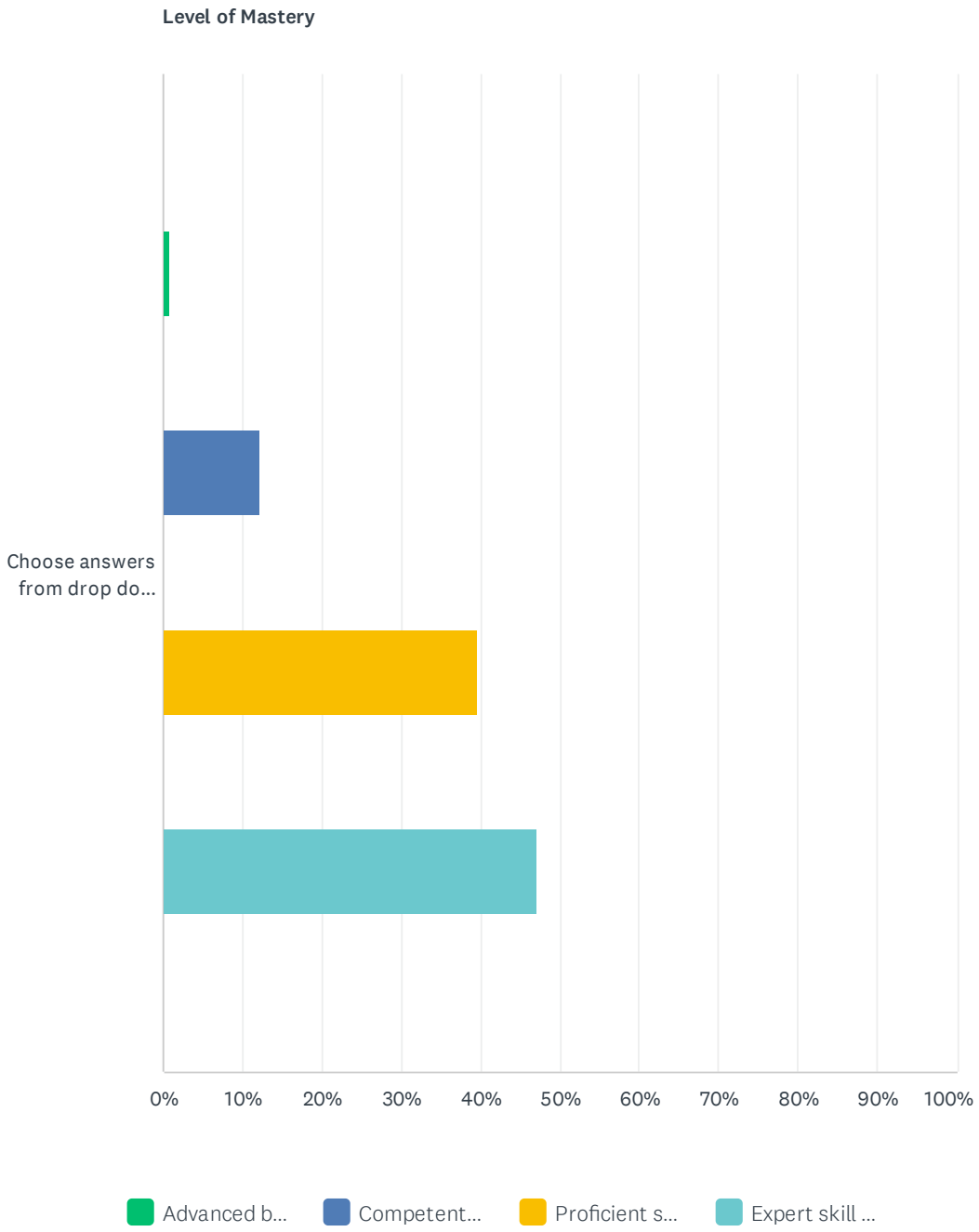


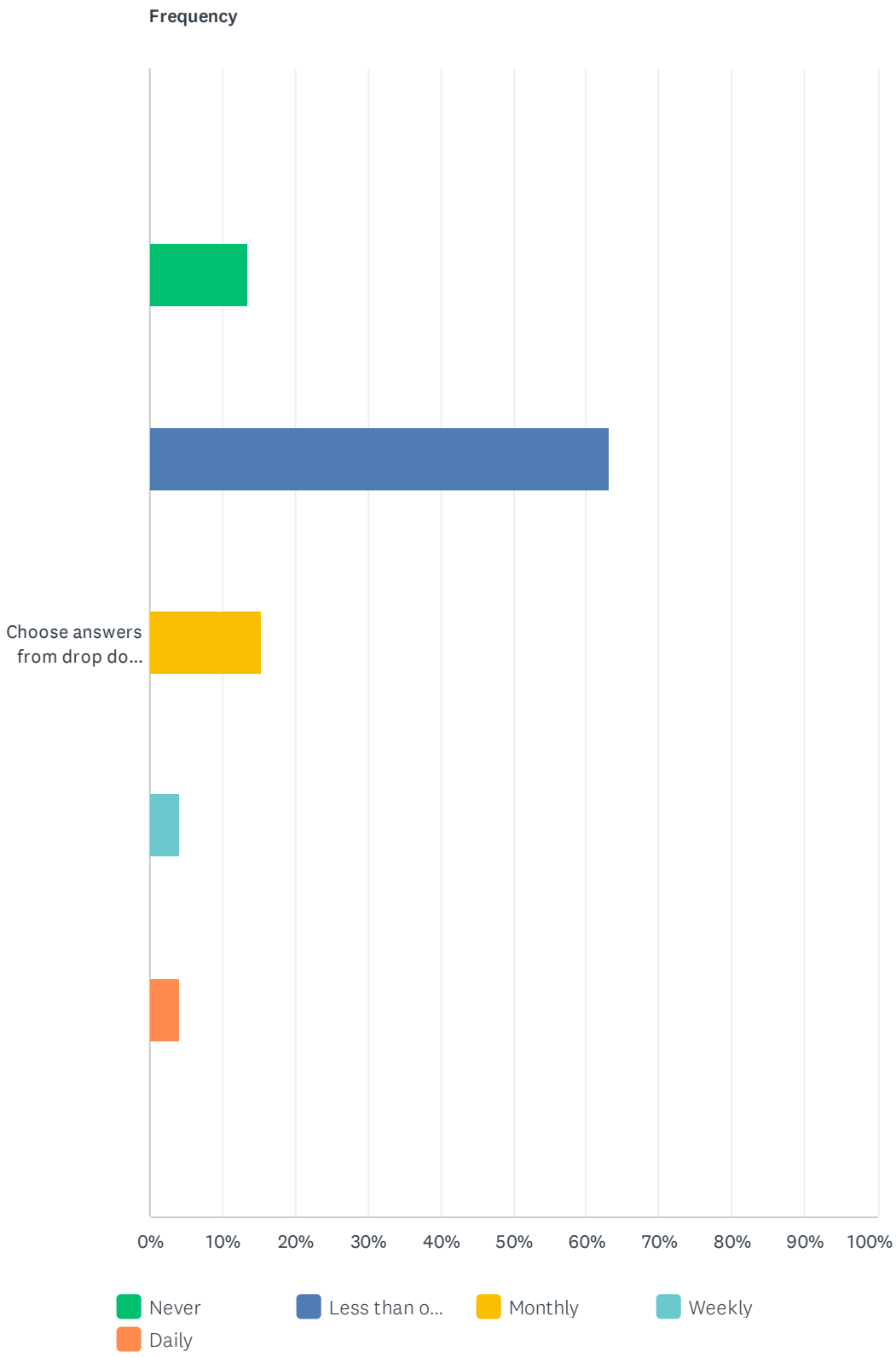

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.35%<br>3 | 31.98%<br>71 | 28.83%<br>64 | 24.32%<br>54 | 13.51%<br>30 | 222 |

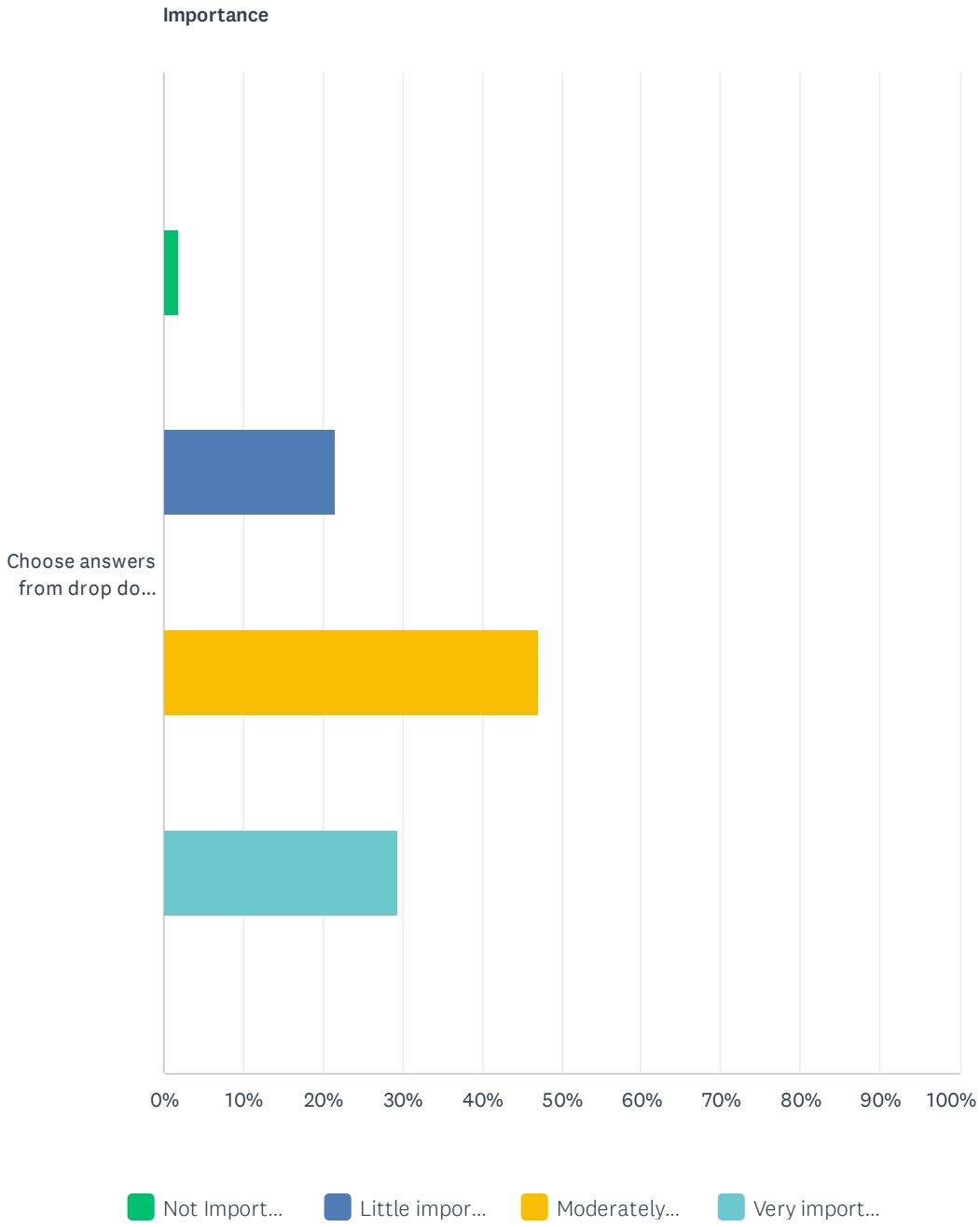
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 5.53%<br>12 | 35.02%<br>76 | 59.45%<br>129 | 217 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 0.93%<br>2 | 12.15%<br>26 | 39.72%<br>85 | 47.20%<br>101 | <br>214 |

# Q174 6.1.5 Meralgia paresthetica.

Answered: 222 Skipped: 988

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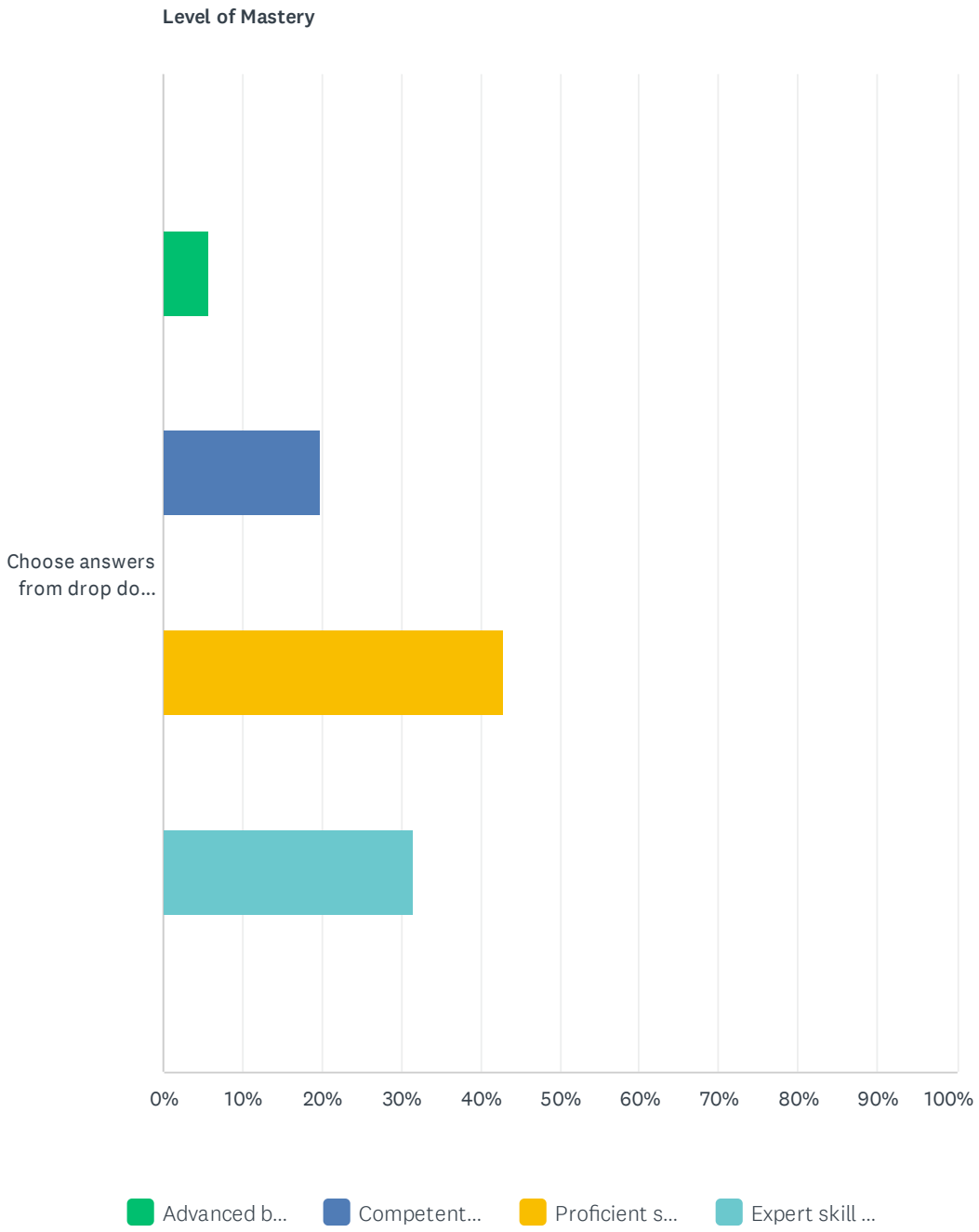


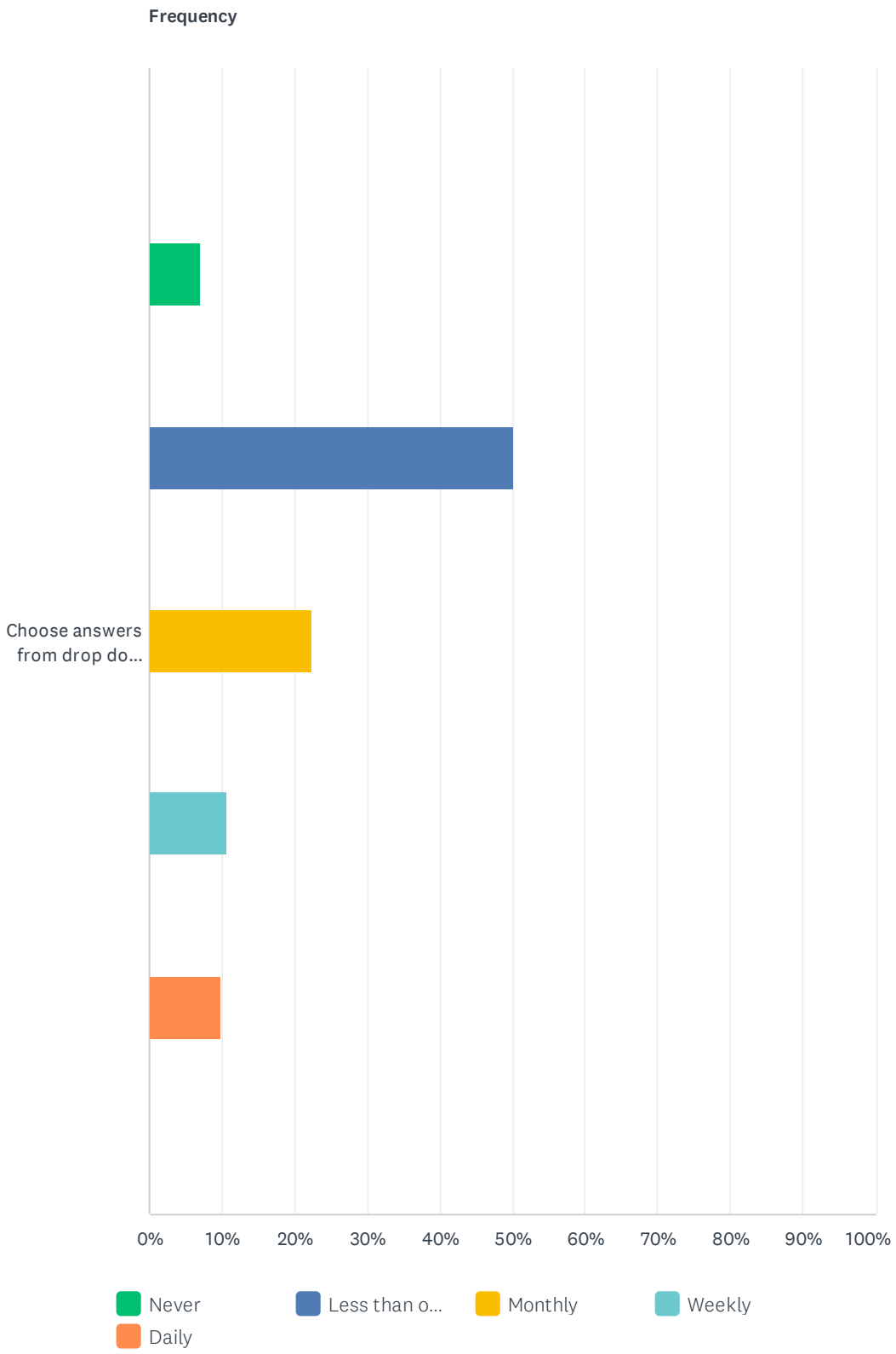

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 13.51%<br>30 | 63.06%<br>140 | 15.32%<br>34 | 4.05%<br>9 | 4.05%<br>9 | 222 |

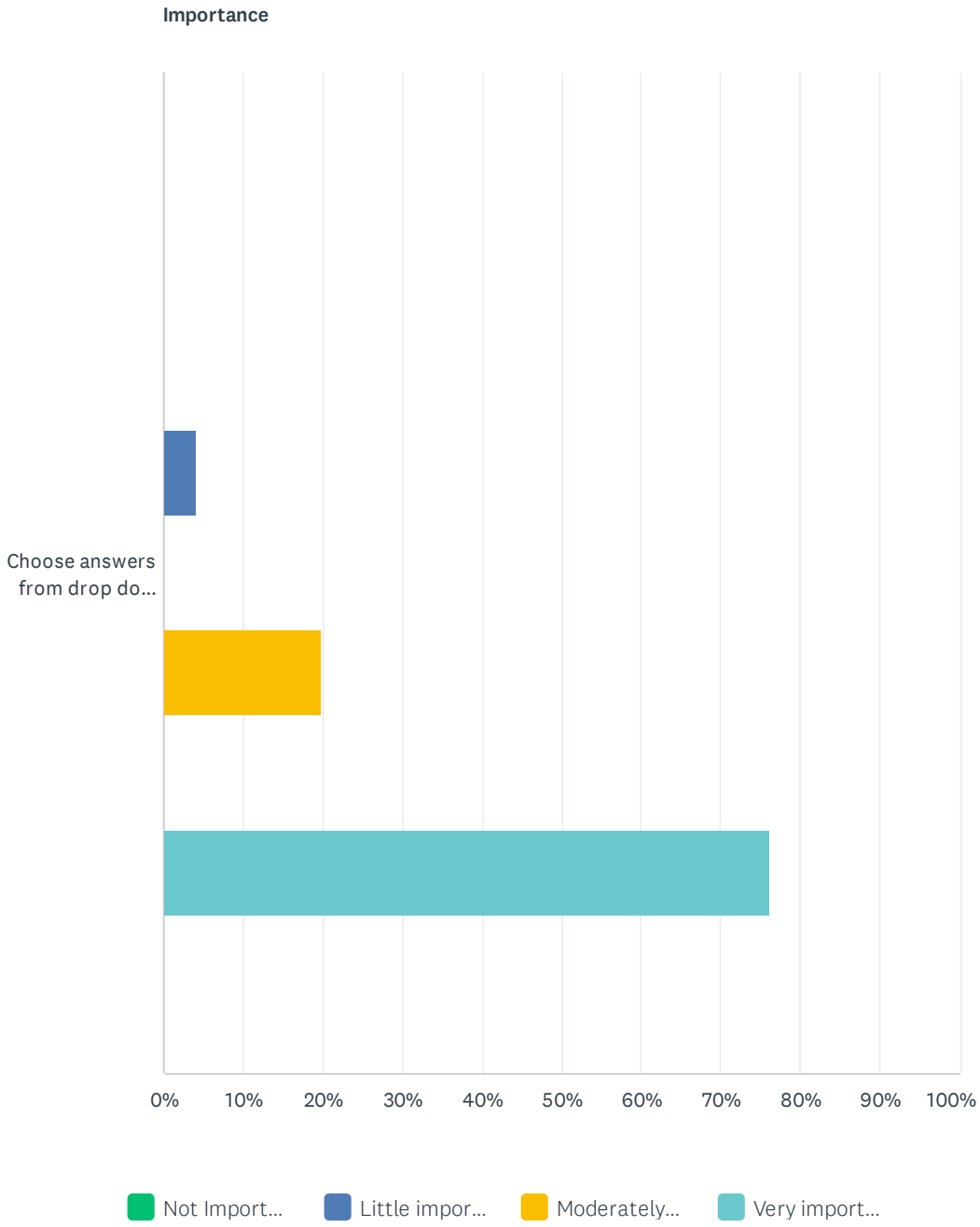
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.87%<br>4 | 21.50%<br>46 | 47.20%<br>101 | 29.44%<br>63 | 214 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 5.66%<br>12 | 19.81%<br>42 | 42.92%<br>91 | 31.60%<br>67 | <br>212 |

# Q175 6.1.6 Cervical Myelopathy.

Answered: 224 Skipped: 986

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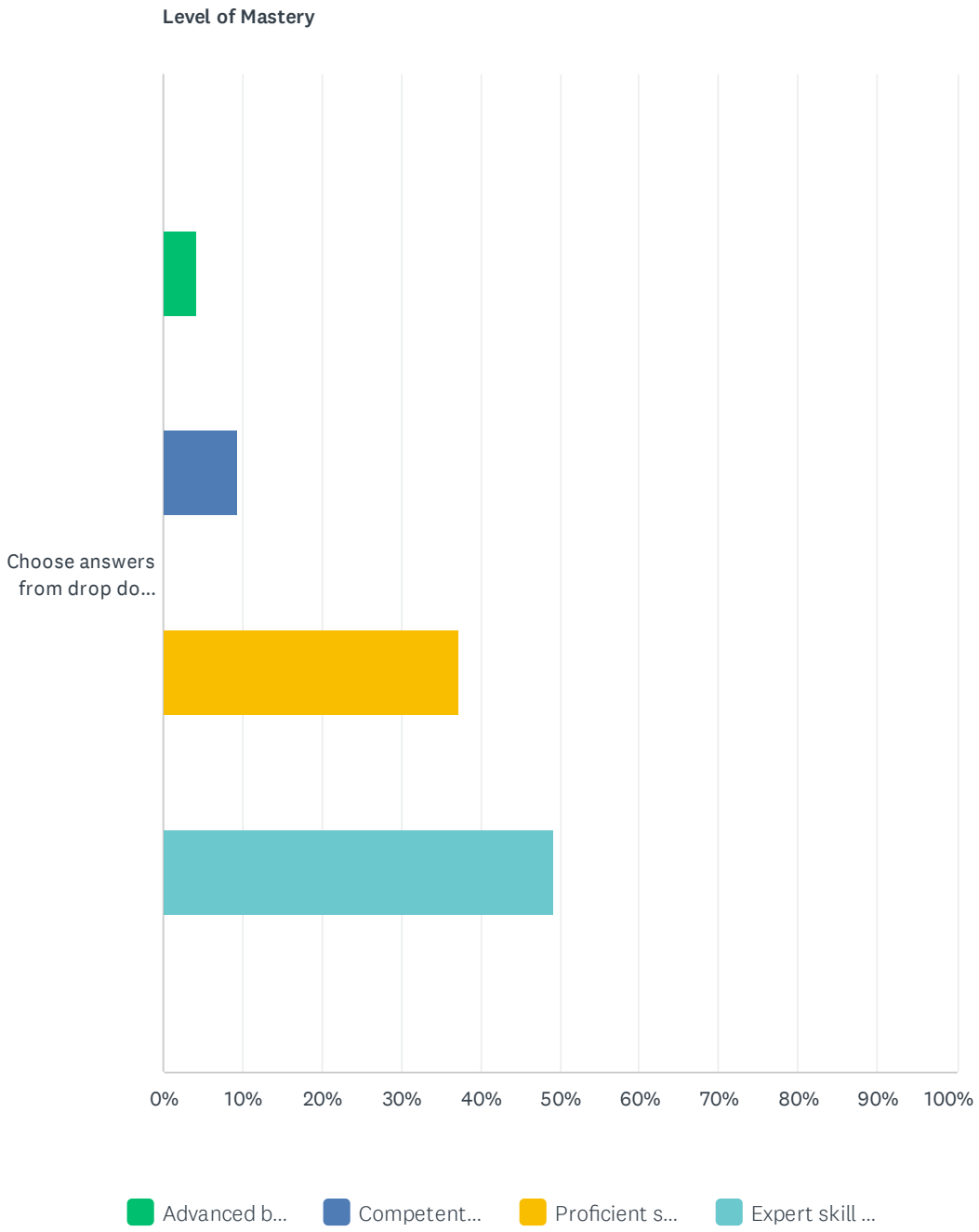


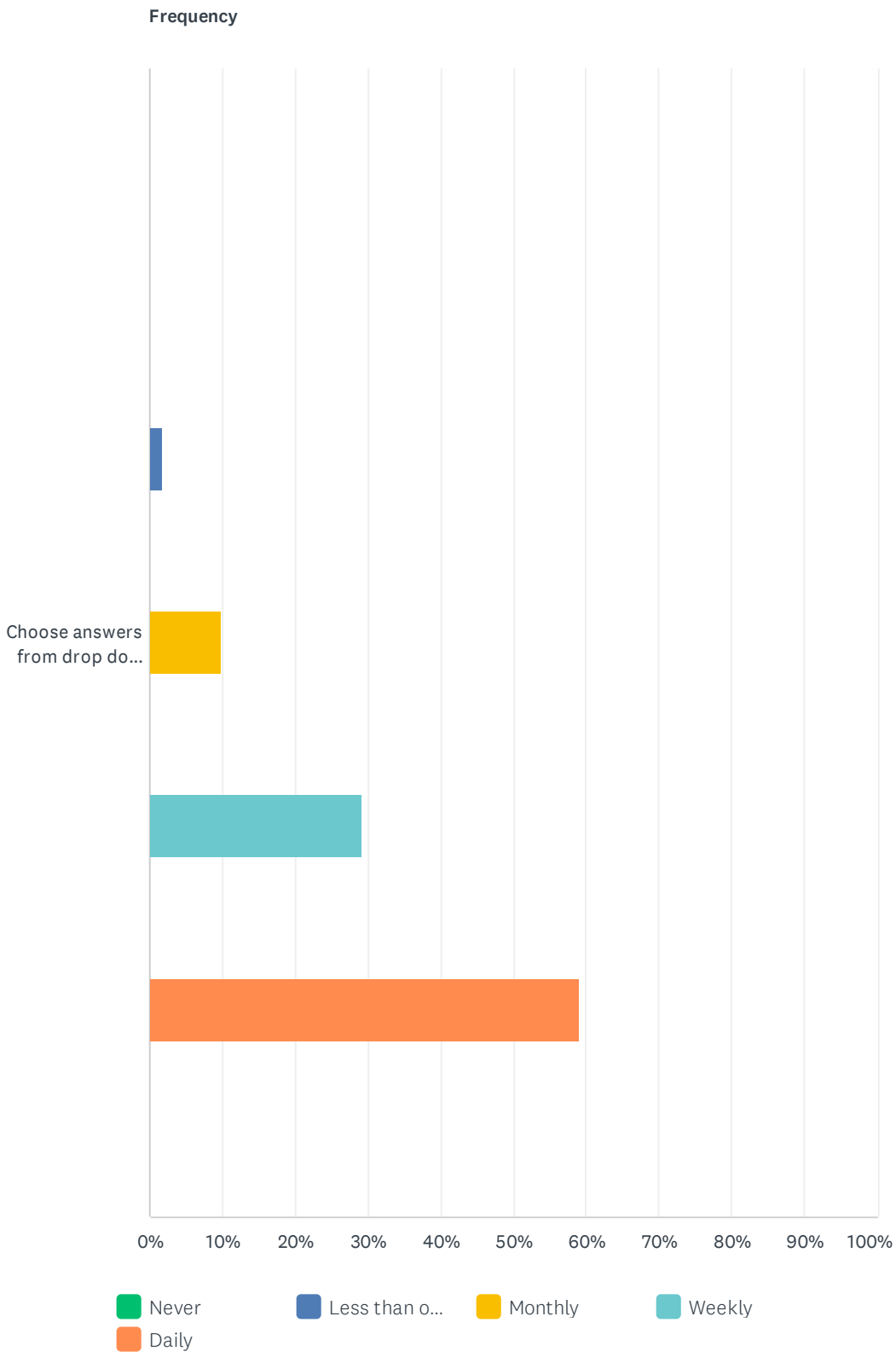

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 7.14%<br>16 | 50.00%<br>112 | 22.32%<br>50 | 10.71%<br>24 | 9.82%<br>22 | 224 |

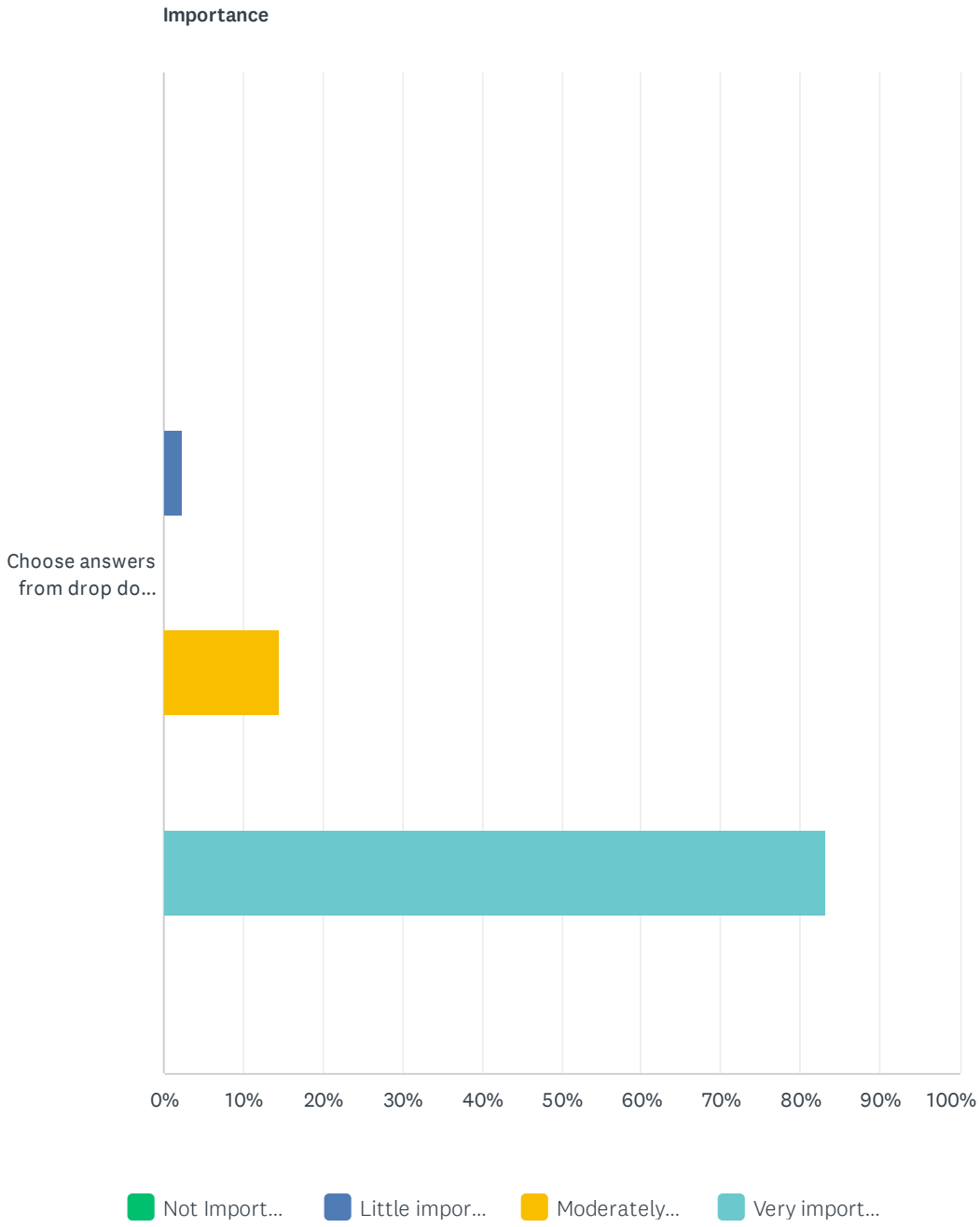
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 4.13%<br>9 | 19.72%<br>43 | 76.15%<br>166 | 218 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 4.19%<br>9 | 9.30%<br>20 | 37.21%<br>80 | 49.30%<br>106 | <br>215 |

# Q176 6.2.1 Cervical Disc Pathologies (e.g., DDD, protrusion, herniation).

Answered: 222 Skipped: 988

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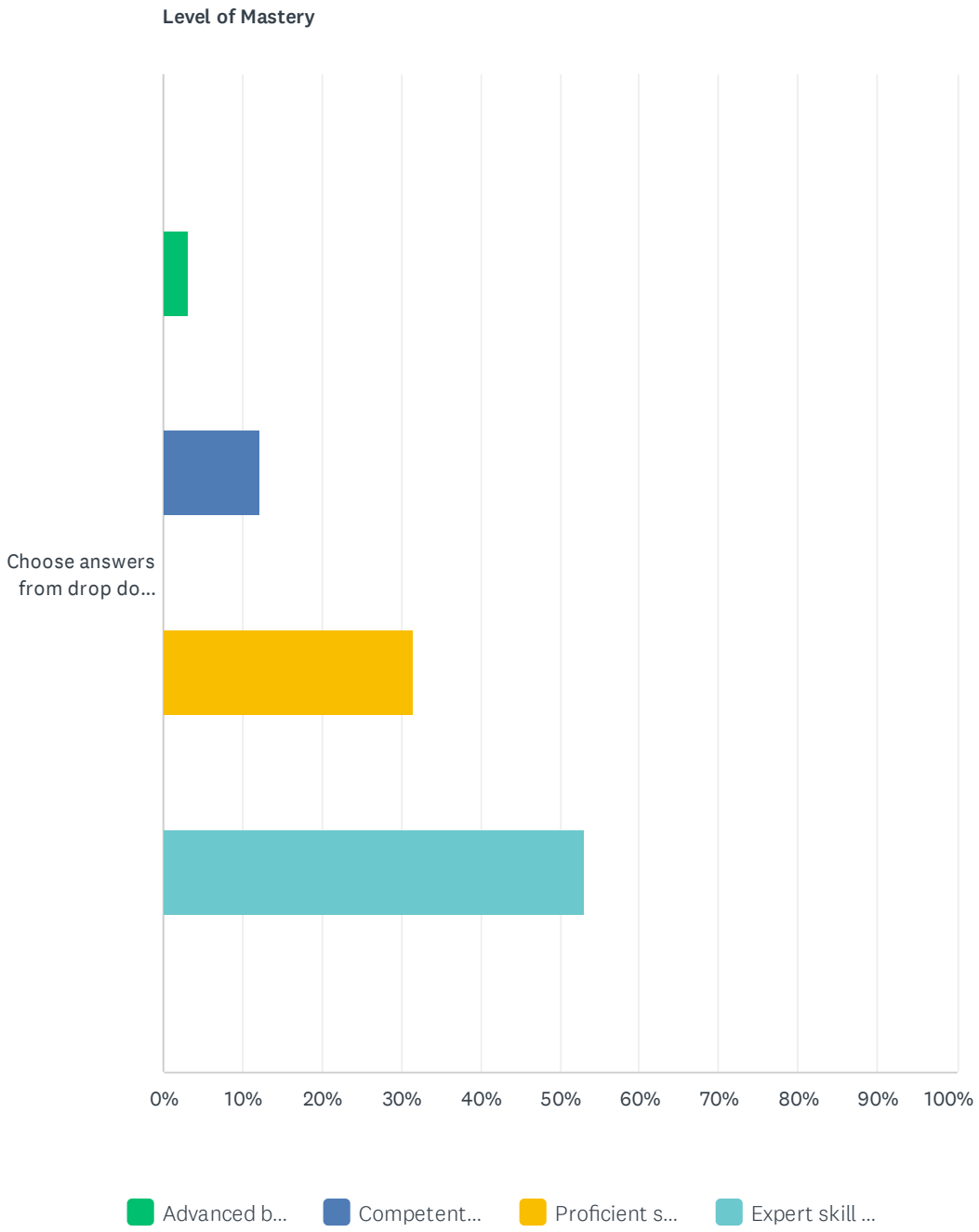


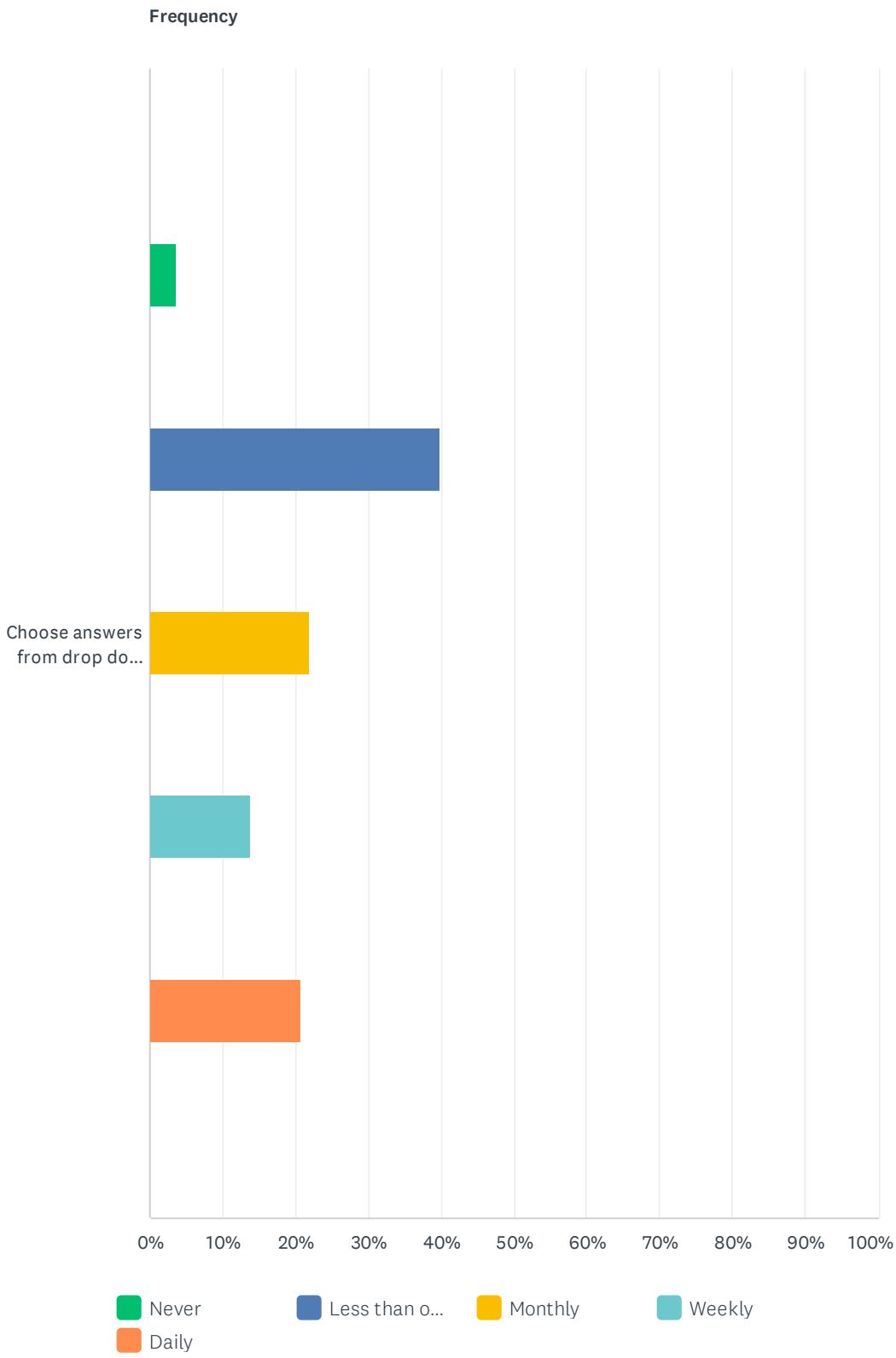

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.80%<br>4 | 9.91%<br>22 | 29.28%<br>65 | 59.01%<br>131 | 222 |

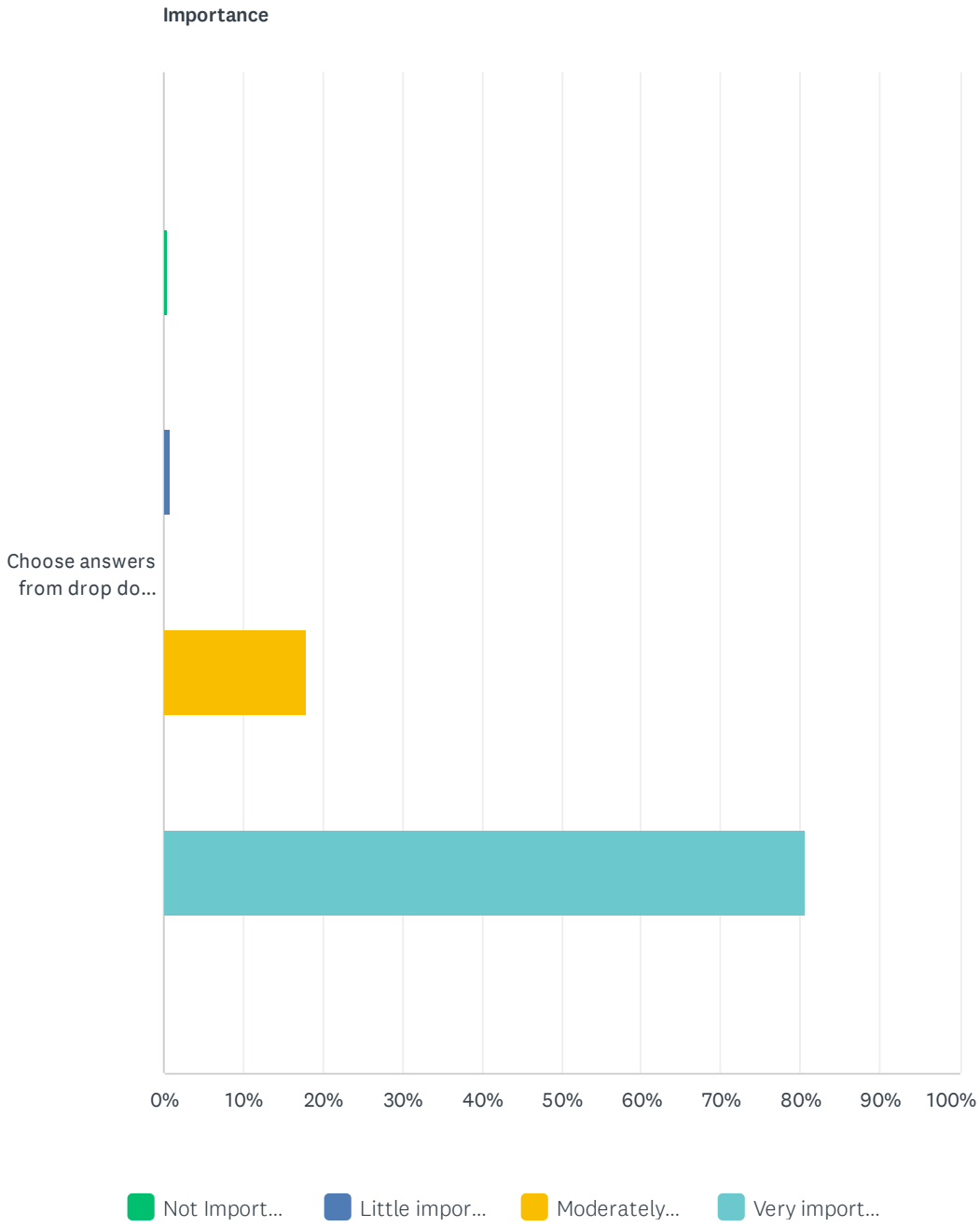
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 2.33%<br>5 | 14.42%<br>31 | 83.26%<br>179 | 215 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 3.29%<br>7 | 12.21%<br>26 | 31.46%<br>67 | 53.05%<br>113 | 213 |

# Q177 6.2.2 Cervical Instability.

Answered: 223 Skipped: 987

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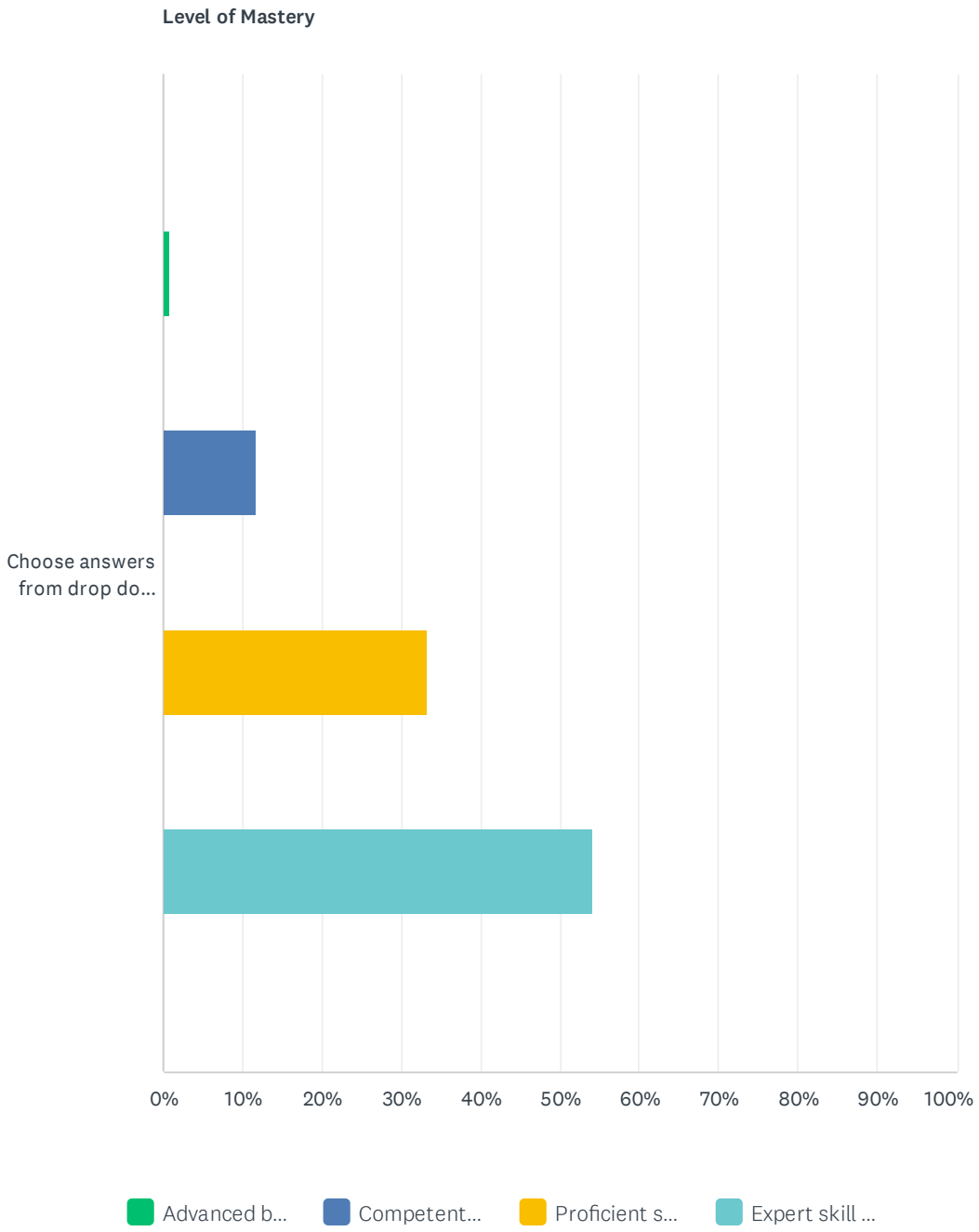


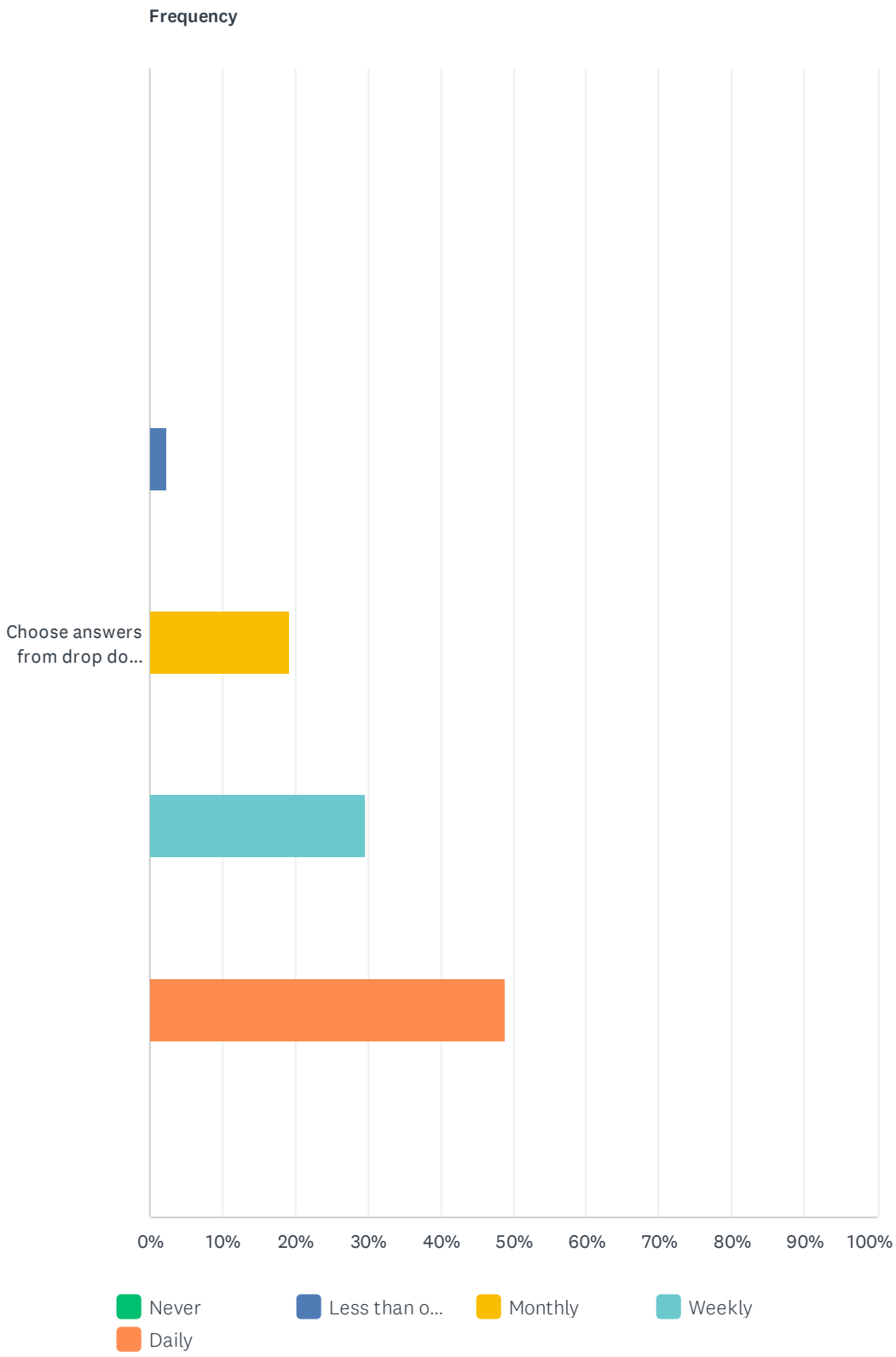

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 3.59%<br>8 | 39.91%<br>89 | 21.97%<br>49 | 13.90%<br>31 | 20.63%<br>46 | 223 |

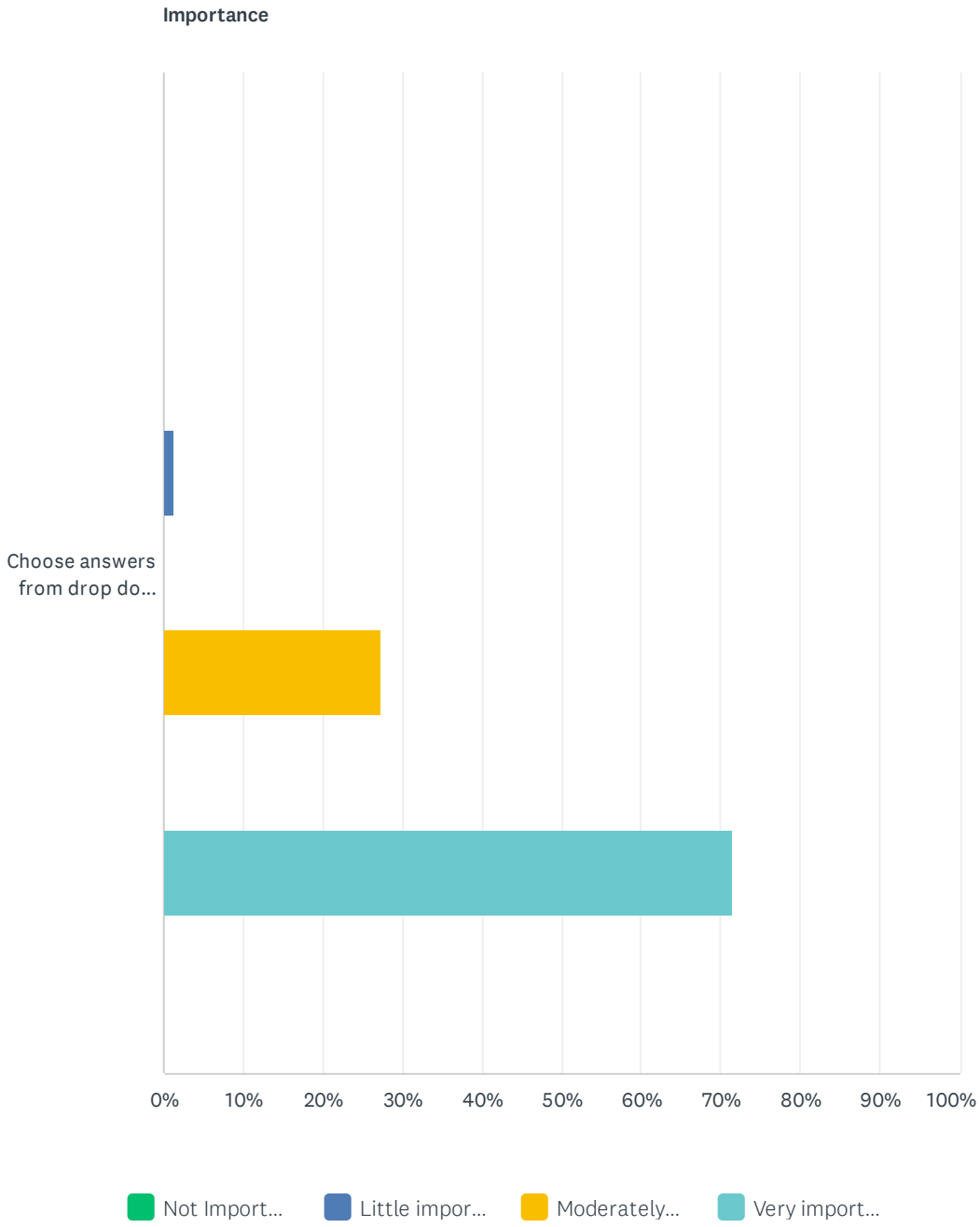
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.46%<br>1 | 0.92%<br>2 | 17.97%<br>39 | 80.65%<br>175 | 217 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 0.93%<br>2 | 11.68%<br>25 | 33.18%<br>71 | 54.21%<br>116 | 214 |

# Q178 6.2.3 Cervical Sprain/Strain.

Answered: 223 Skipped: 987

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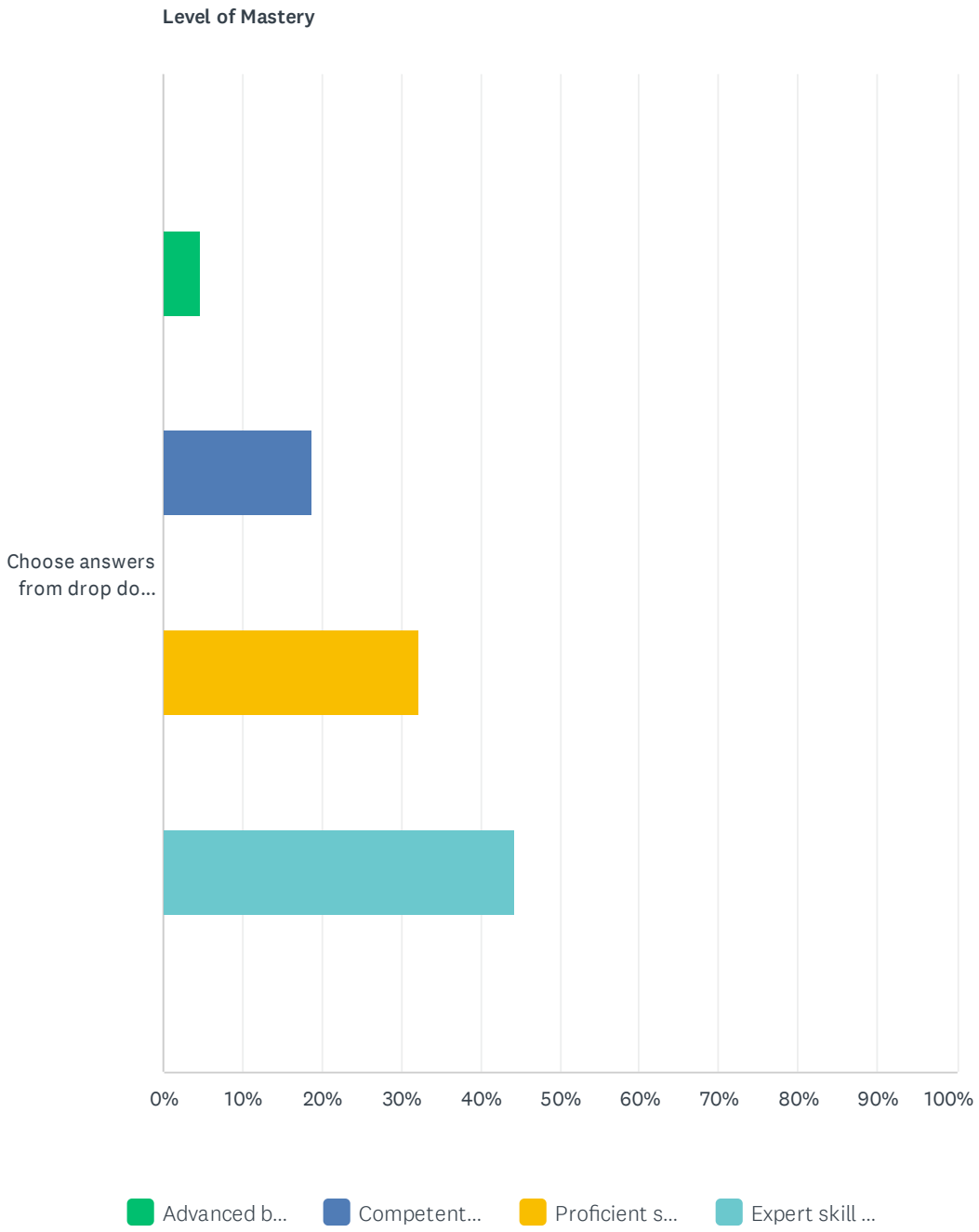


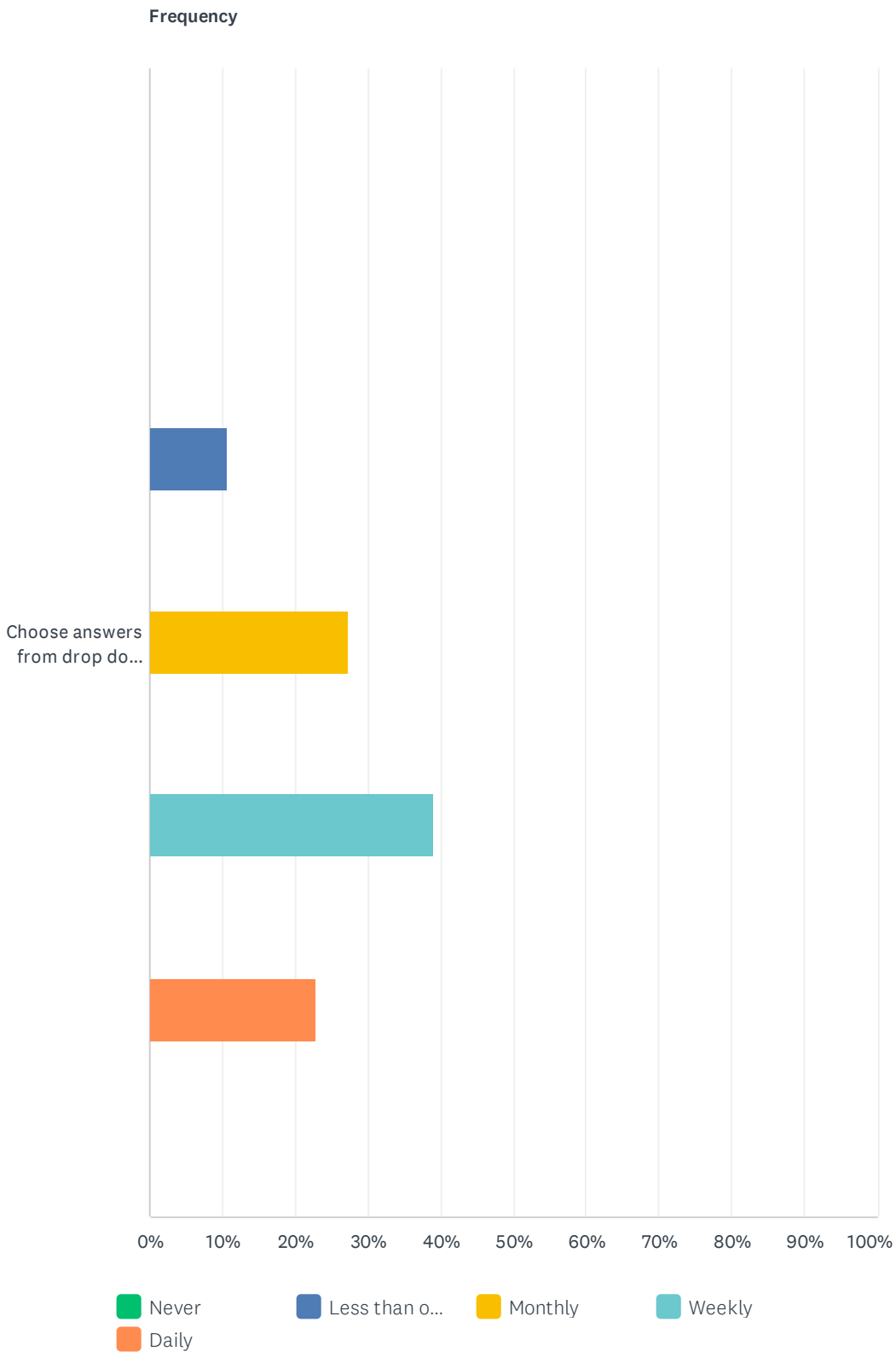

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 2.24%<br>5 | 19.28%<br>43 | 29.60%<br>66 | 48.88%<br>109 | 223 |

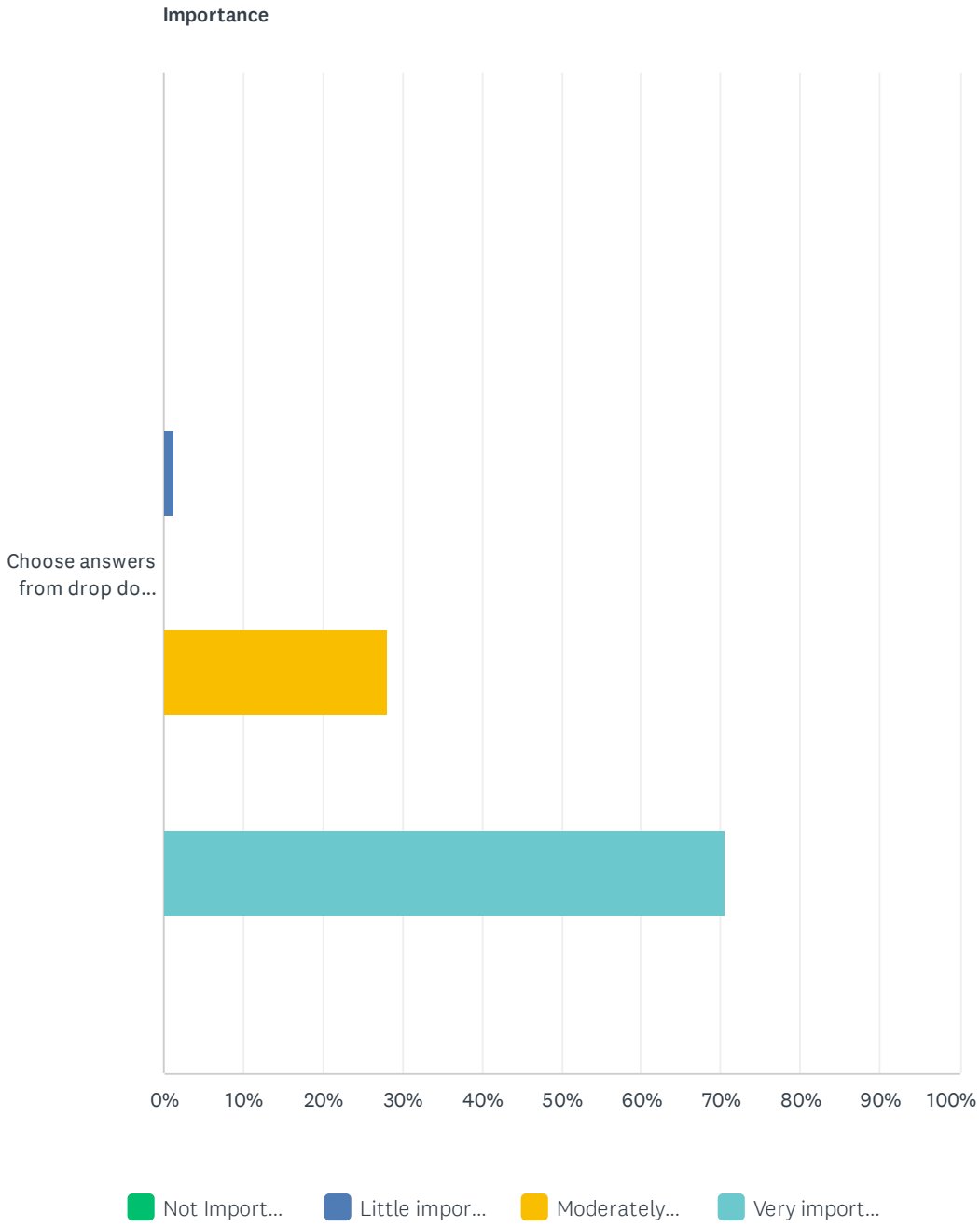
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.38%<br>3 | 27.19%<br>59 | 71.43%<br>155 | 217 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 4.67%<br>10 | 18.69%<br>40 | 32.24%<br>69 | 44.39%<br>95 | <br>214 |

# Q179 6.2.4 Cervicogenic Headache.

Answered: 223 Skipped: 987

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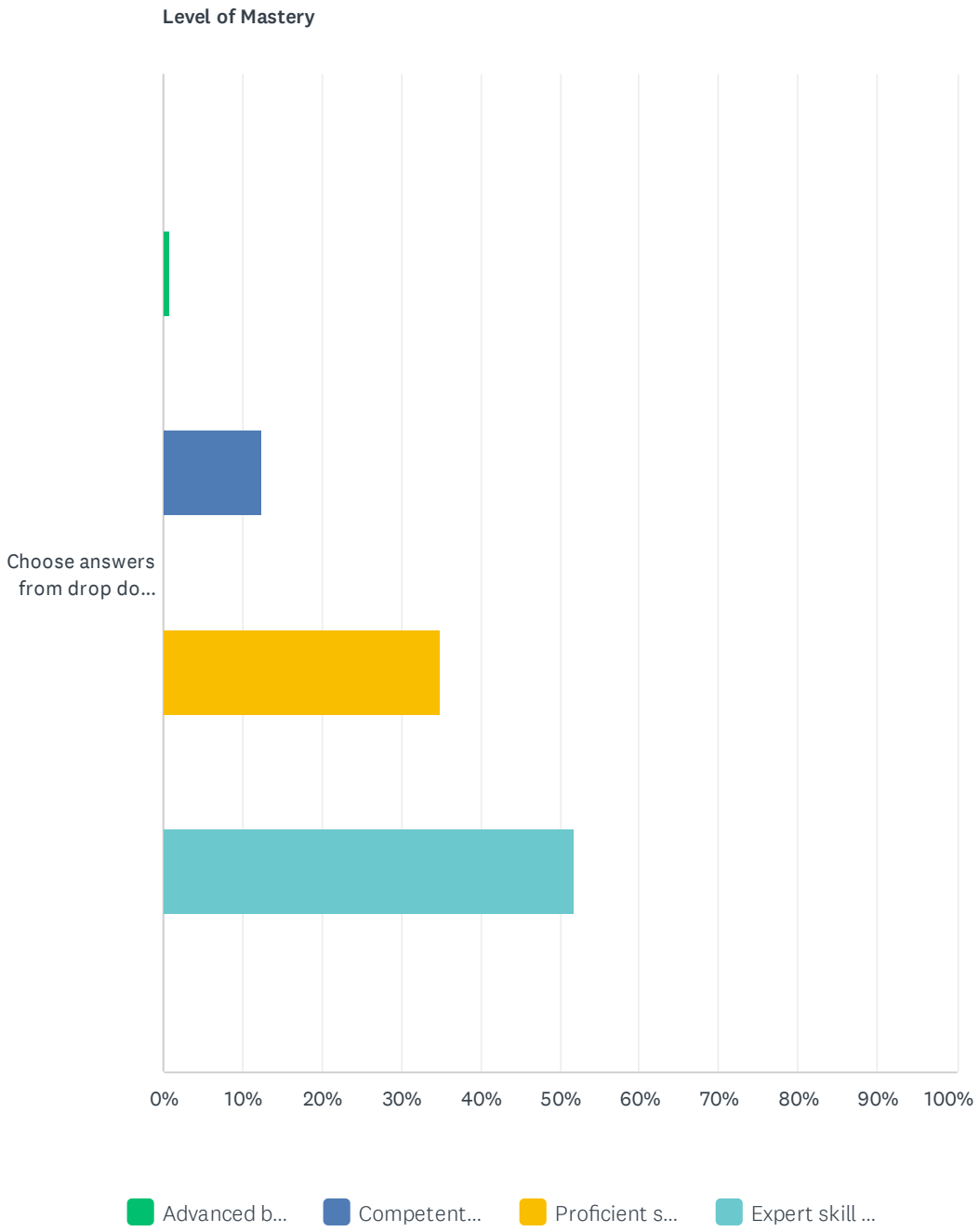


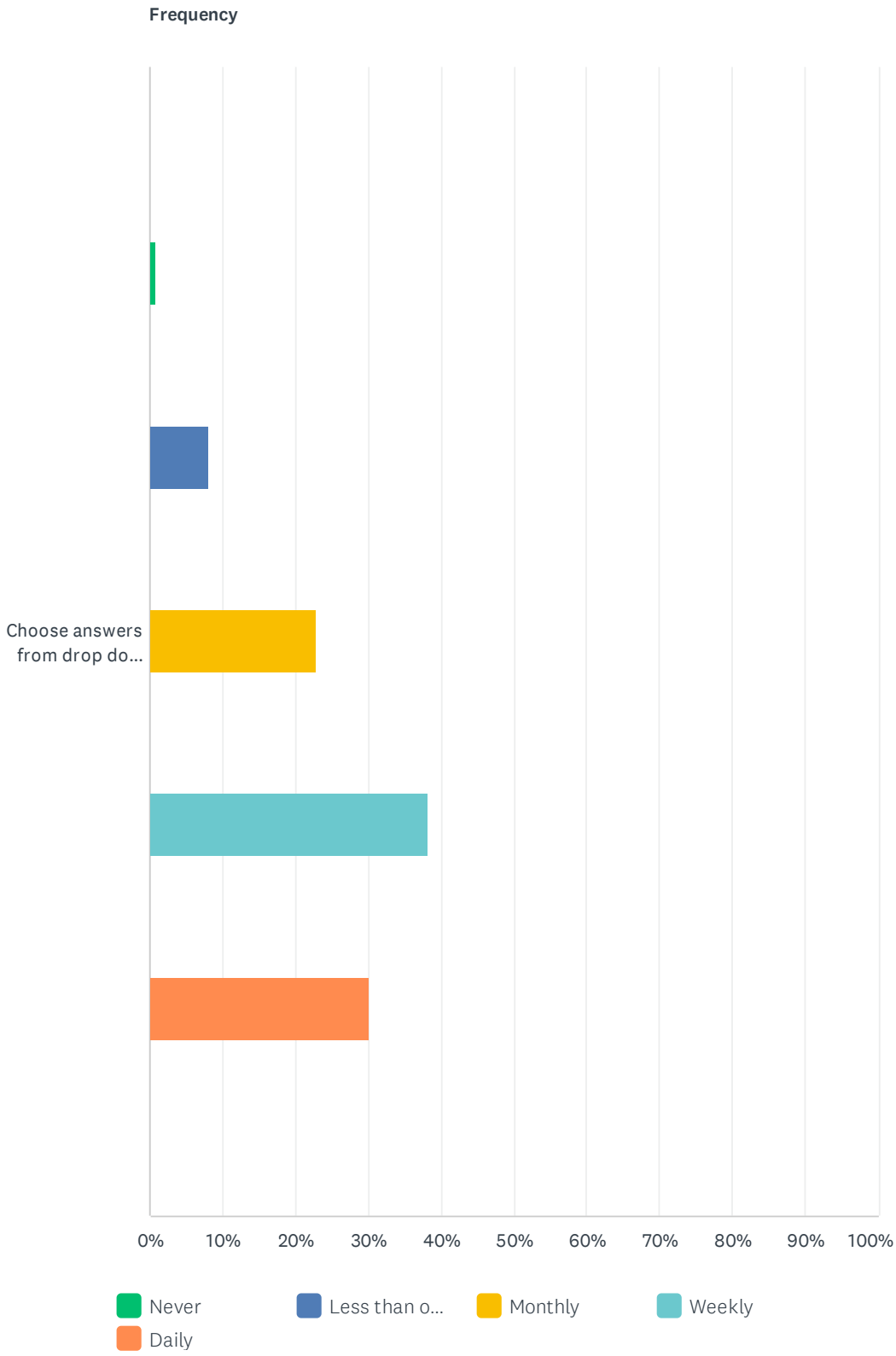

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 10.76%<br>24 | 27.35%<br>61 | 39.01%<br>87 | 22.87%<br>51 | 223 |

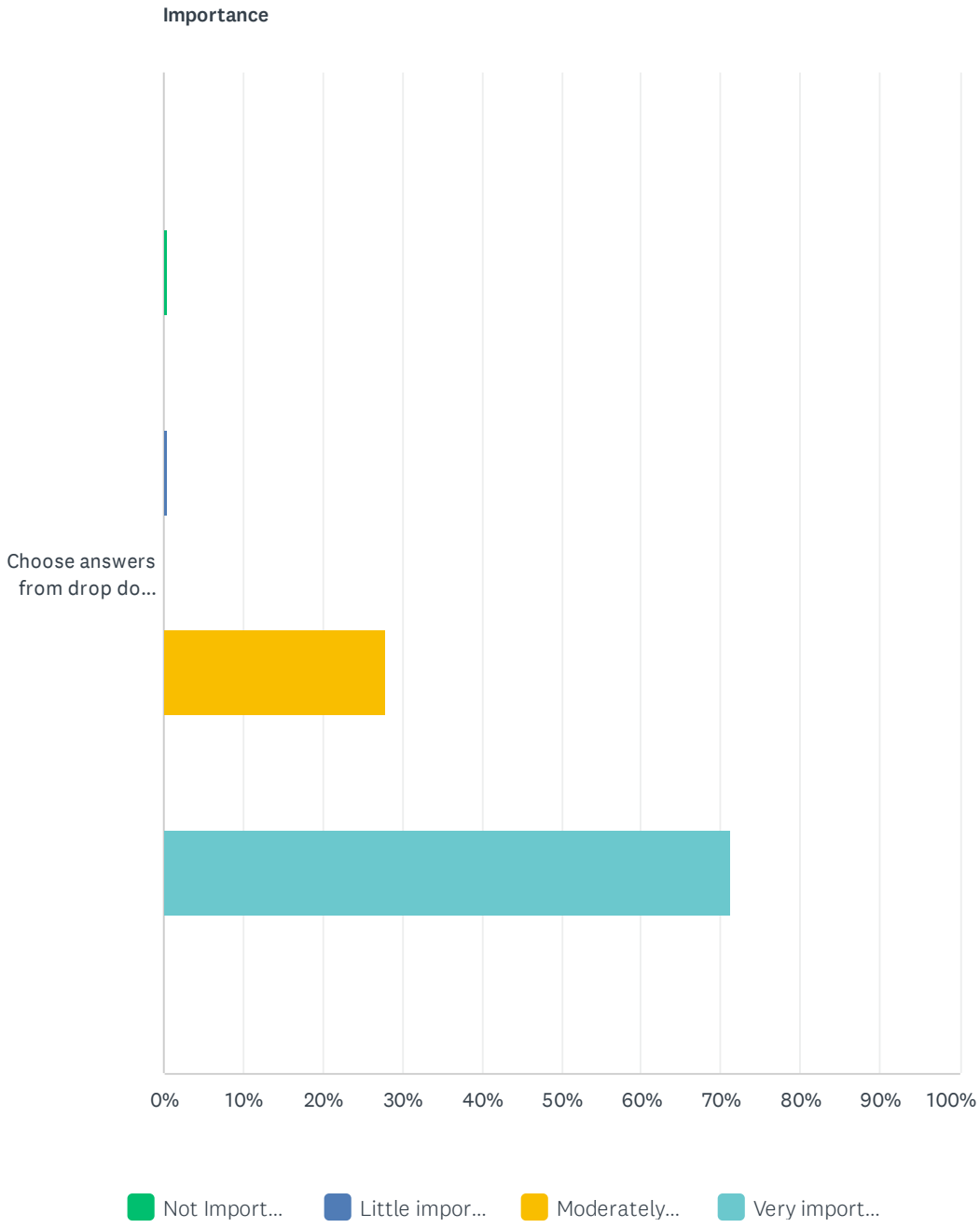
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.38%<br>3 | 28.11%<br>61 | 70.51%<br>153 | 217 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 0.94%<br>2 | 12.26%<br>26 | 34.91%<br>74 | 51.89%<br>110 | <br>212 |

# Q180 6.2.5 Chronic Pain Syndromes (e.g., central sensitization and/or nociplastic pain, other persistent pain conditions).

Answered: 223 Skipped: 987

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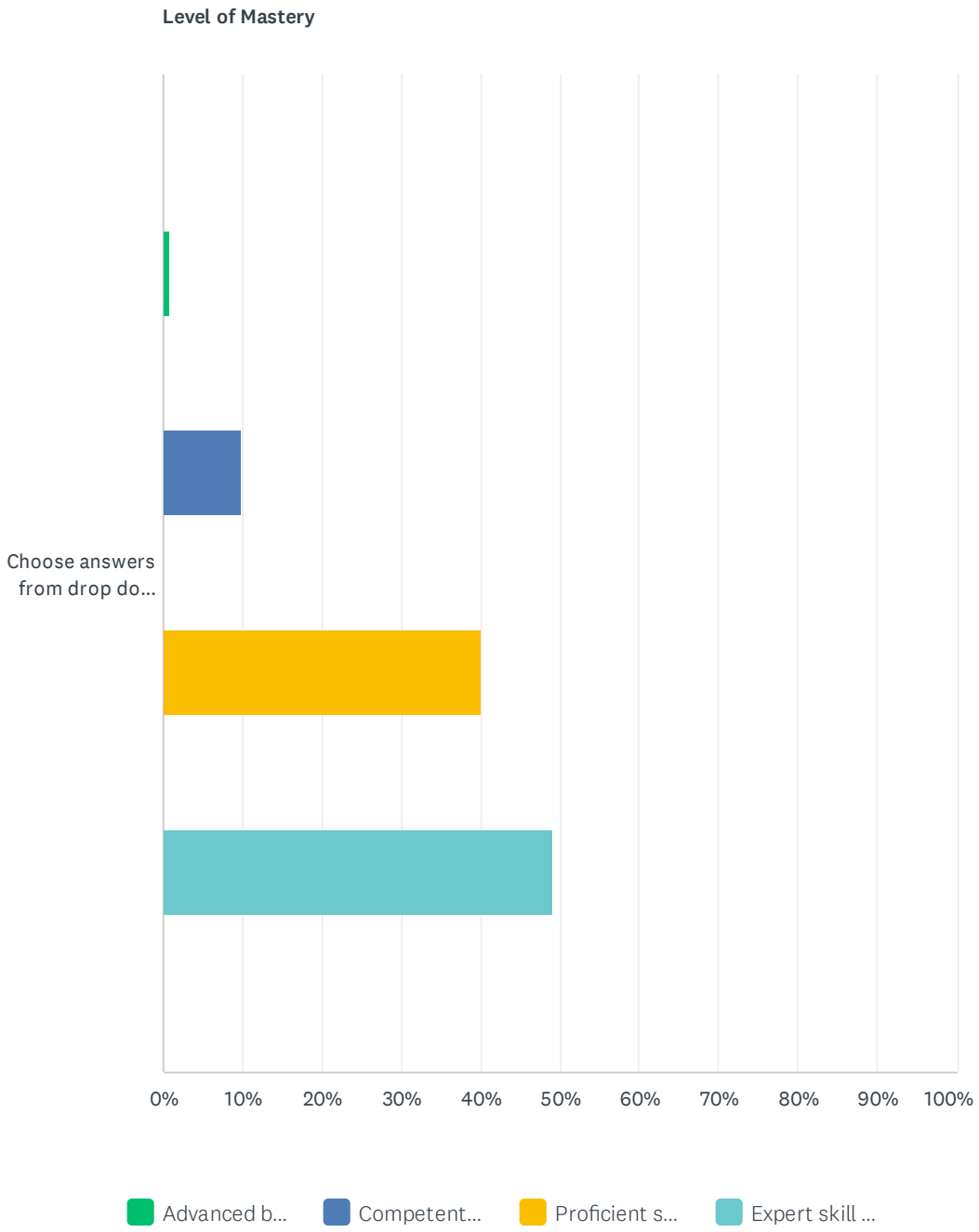


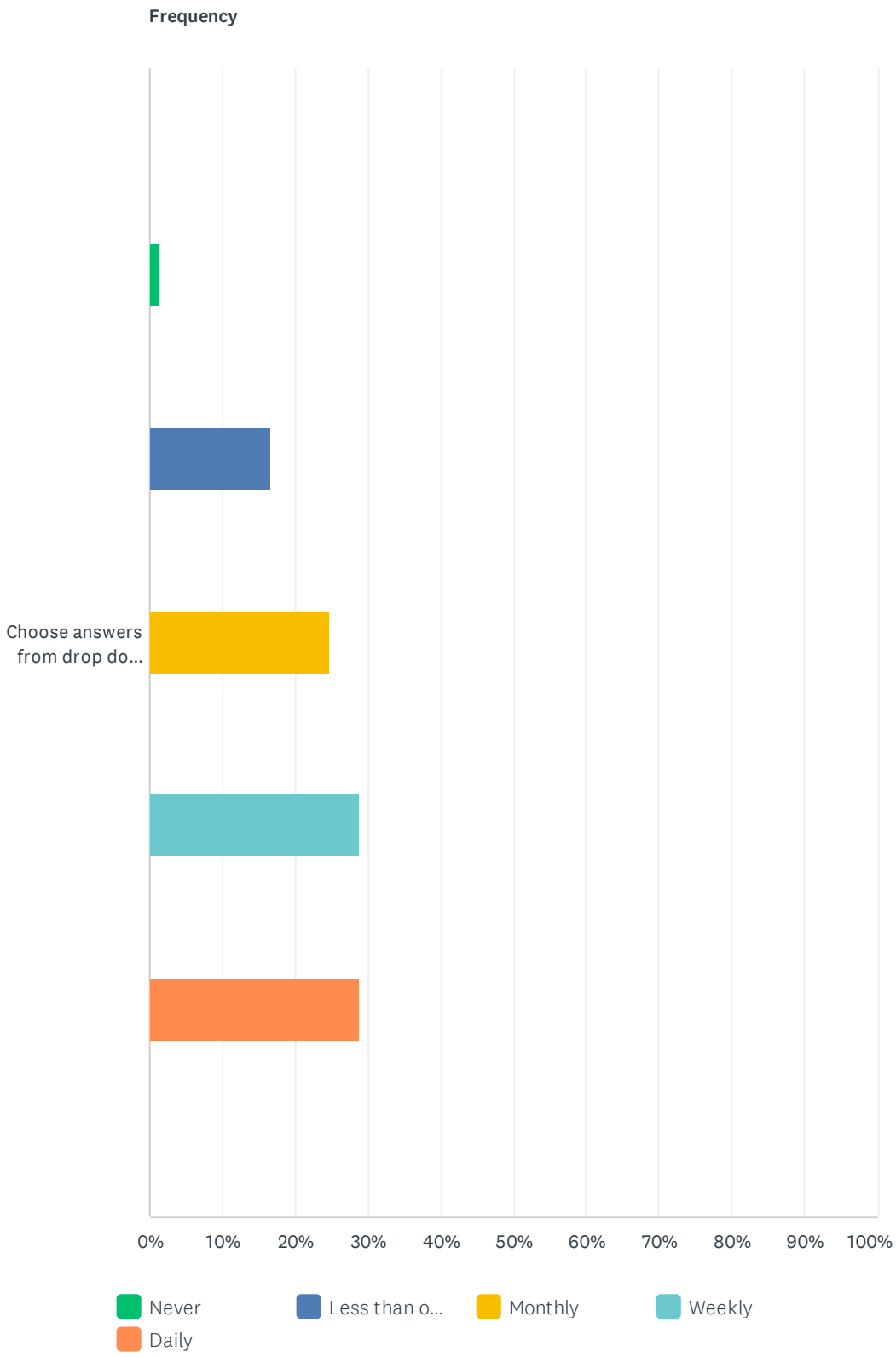

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.90%<br>2 | 8.07%<br>18 | 22.87%<br>51 | 38.12%<br>85 | 30.04%<br>67 | 223 |

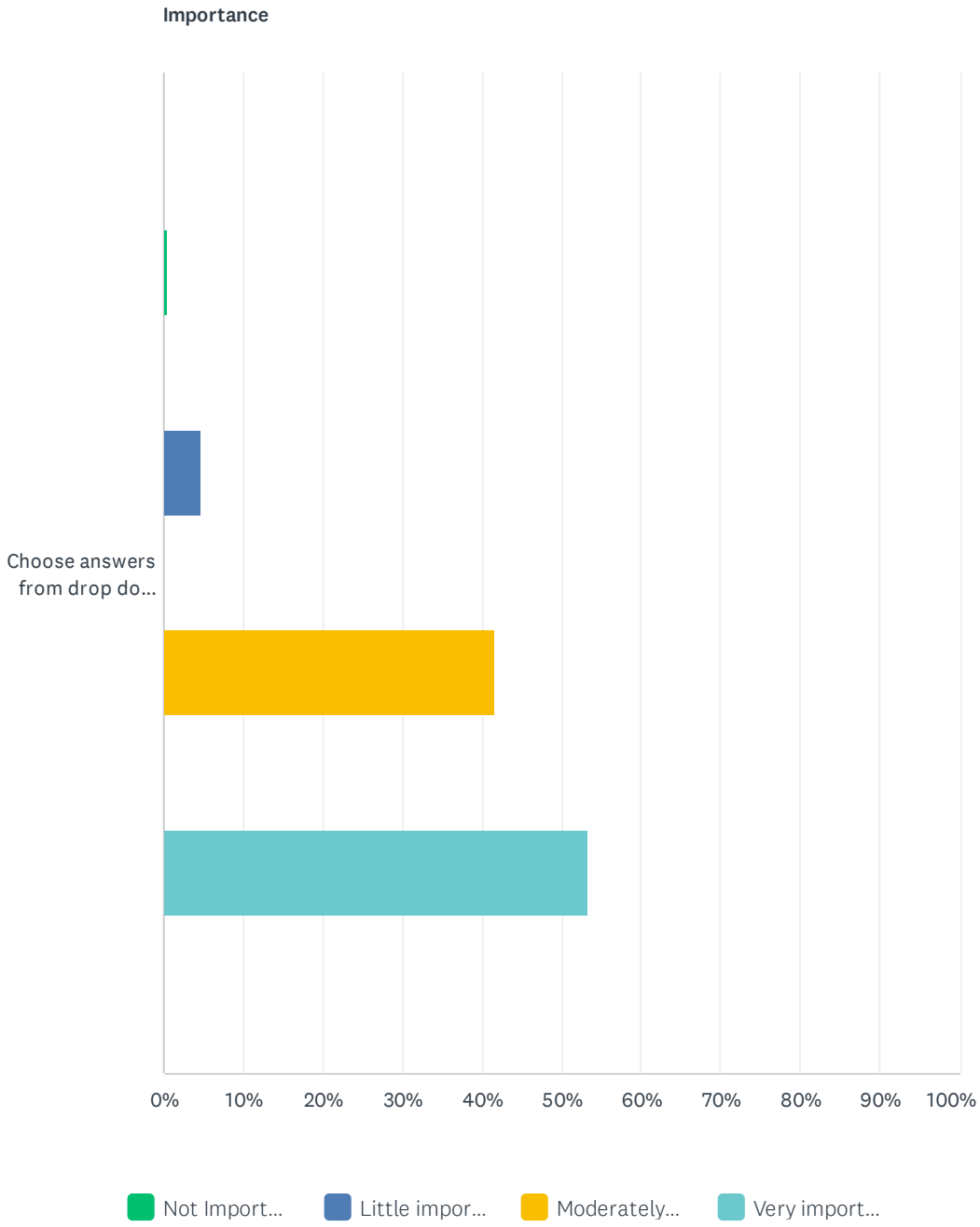
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.47%<br>1 | 0.47%<br>1 | 27.91%<br>60 | 71.16%<br>153 | 215 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 0.94%<br>2 | 9.91%<br>21 | 40.09%<br>85 | 49.06%<br>104 | <br>212 |

# Q181 6.2.6 Other Disorders of Cervical Spine.

Answered: 223 Skipped: 987




Importance
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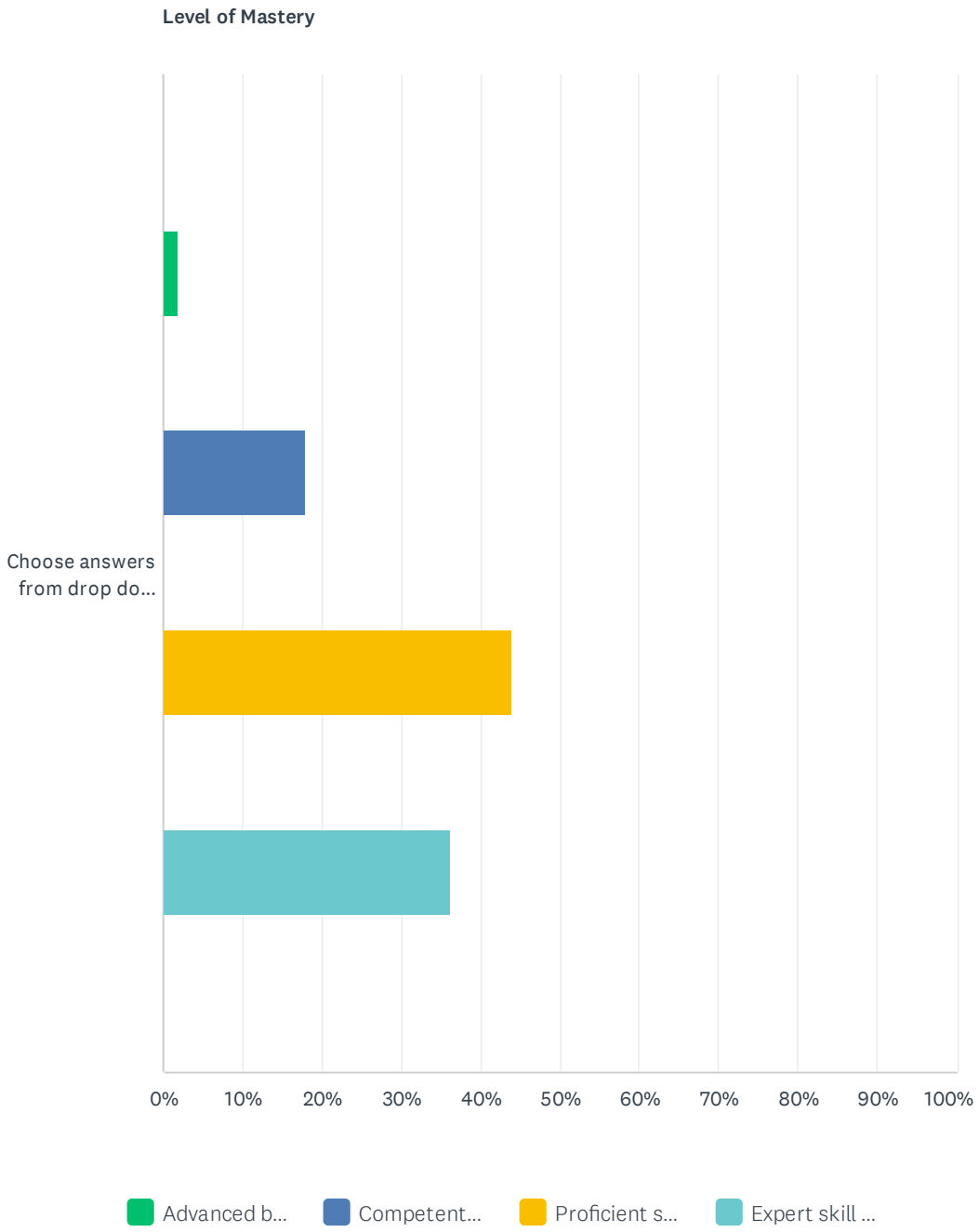


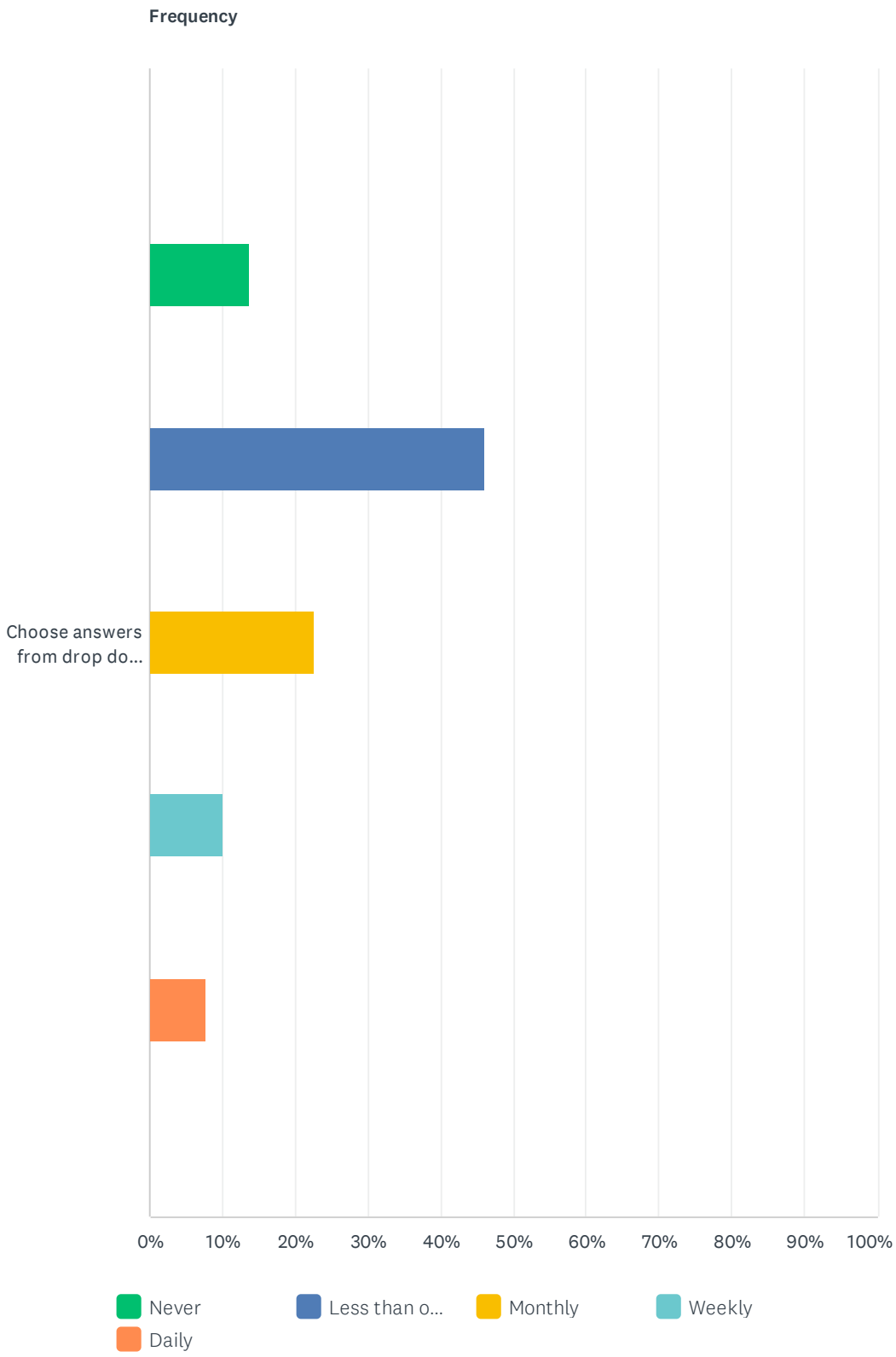

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.35%<br>3 | 16.59%<br>37 | 24.66%<br>55 | 28.70%<br>64 | 28.70%<br>64 | 223 |

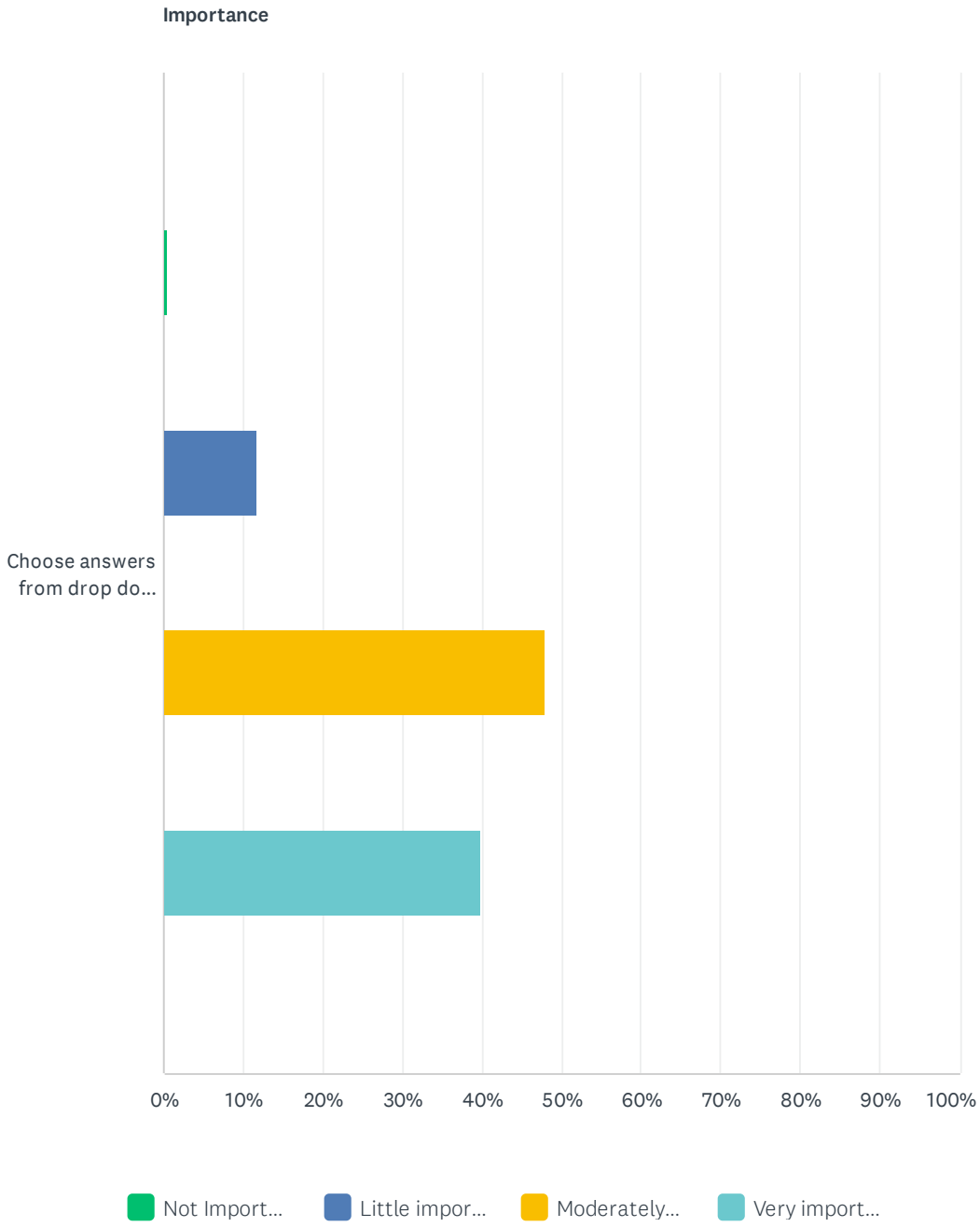
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.46%<br>1 | 4.63%<br>10 | 41.67%<br>90 | 53.24%<br>115 | 216 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 1.89%<br>4 | 17.92%<br>38 | 43.87%<br>93 | 36.32%<br>77 | <br>212 |

# Q182 6.2.7 Temporomandibular Dysfunction.

Answered: 221 Skipped: 989

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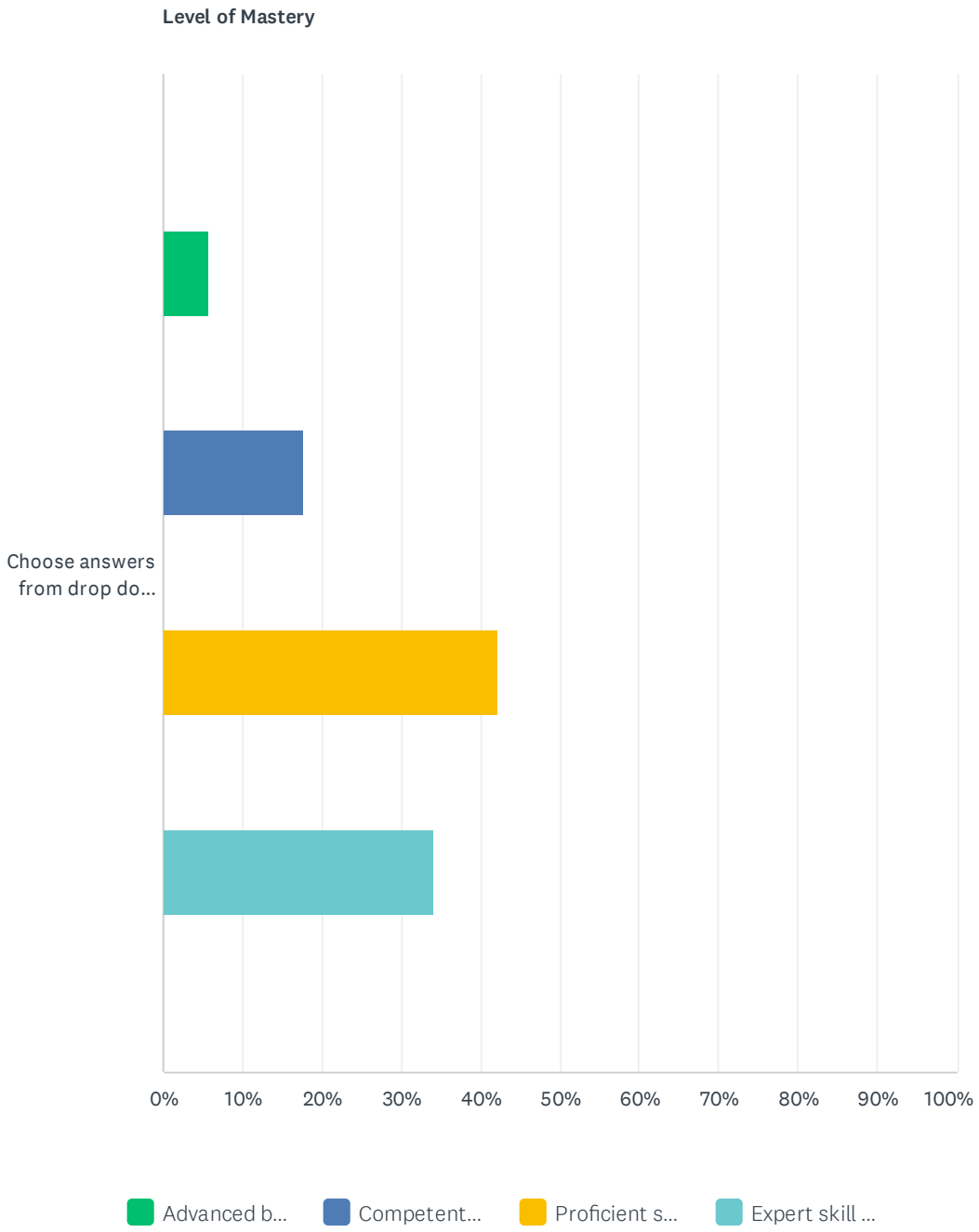


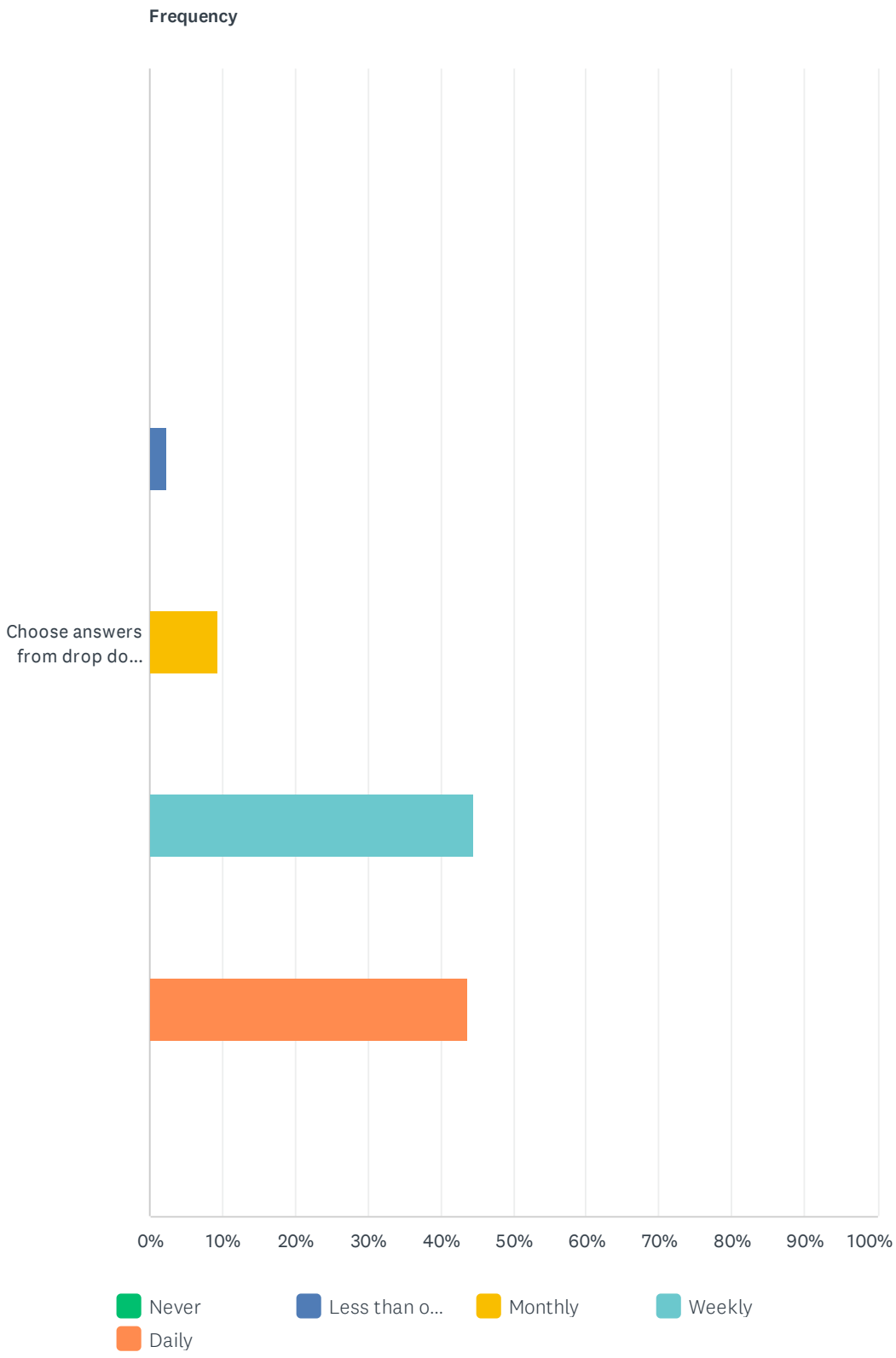

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 13.57%<br>30 | 46.15%<br>102 | 22.62%<br>50 | 9.95%<br>22 | 7.69%<br>17 | 221 |

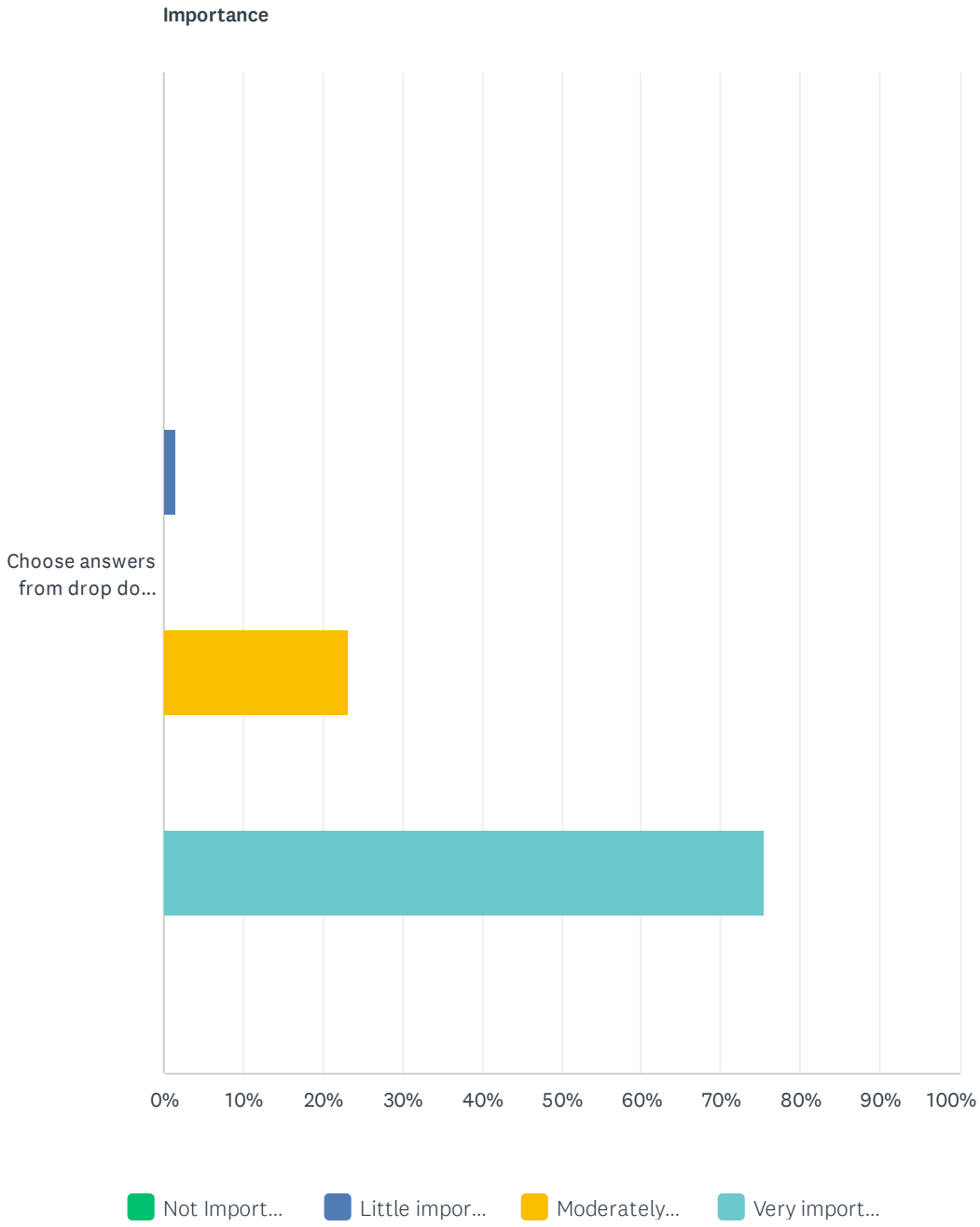
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.47%<br>1 | 11.74%<br>25 | 47.89%<br>102 | 39.91%<br>85 | 213 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 5.77%<br>12 | 17.79%<br>37 | 42.31%<br>88 | 34.13%<br>71 | <br>208 |

# Q183 6.2.8 Disorders of the Hip.

Answered: 222 Skipped: 988

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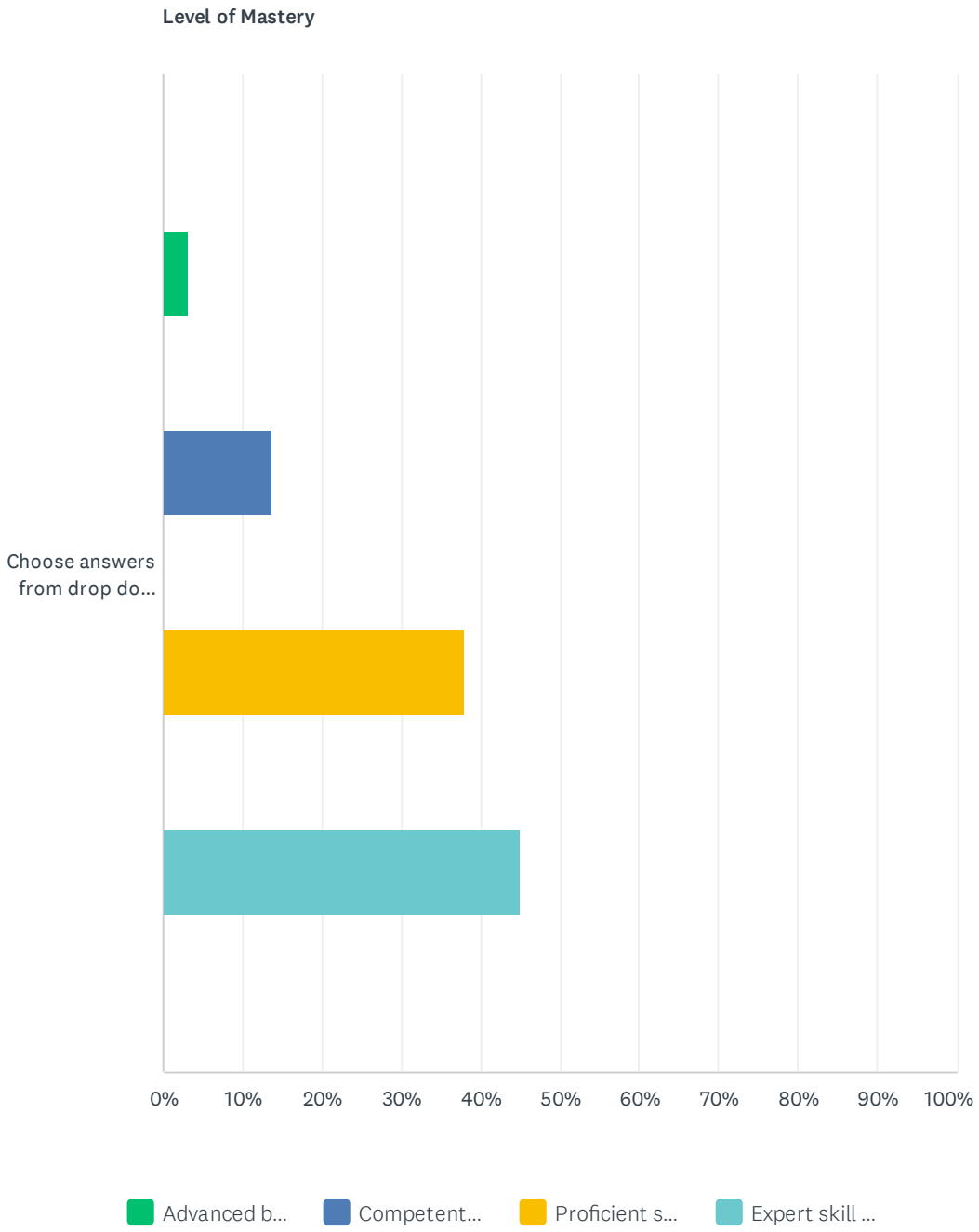


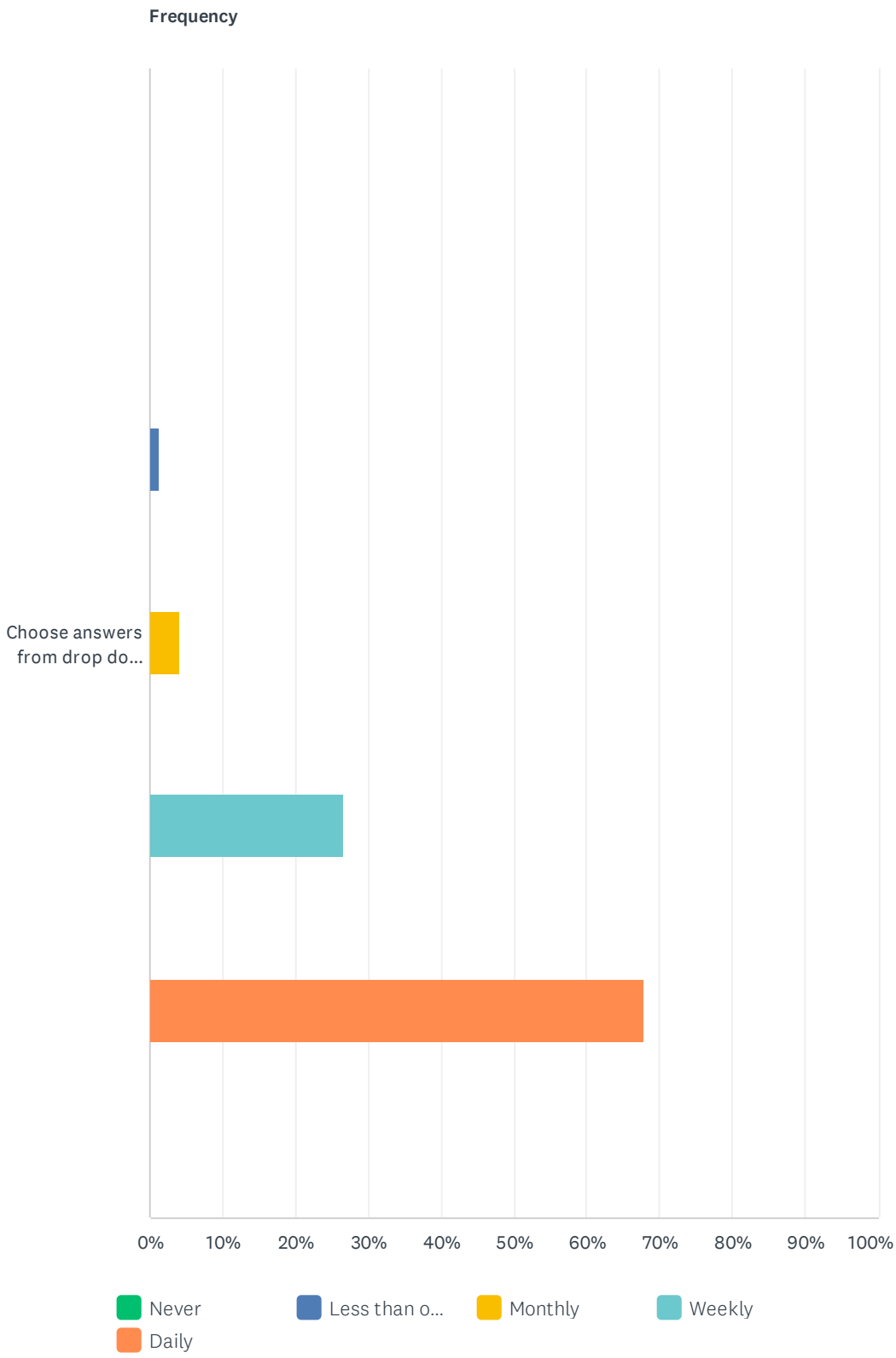

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 2.25%<br>5 | 9.46%<br>21 | 44.59%<br>99 | 43.69%<br>97 | 222 |

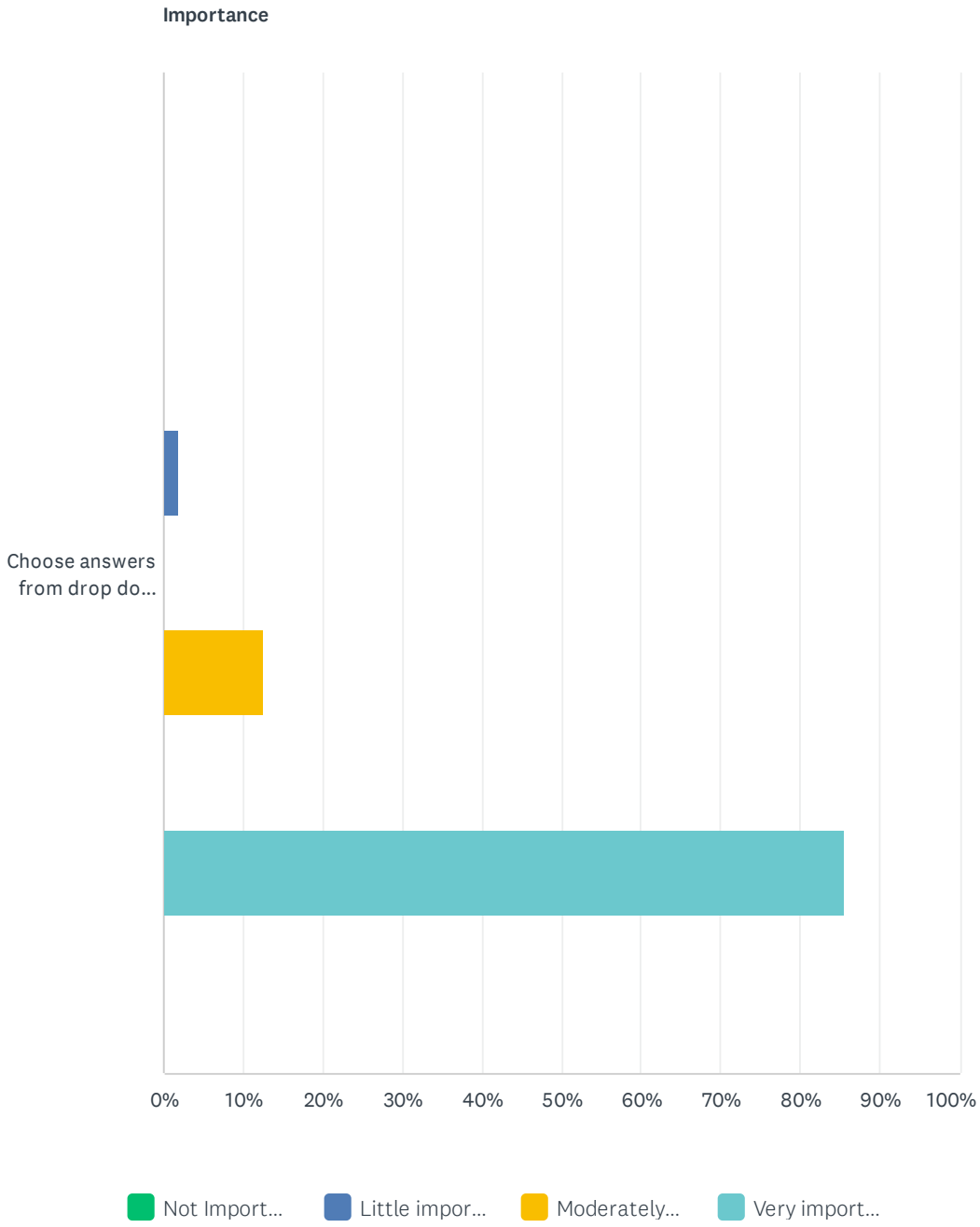
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.39%<br>3 | 23.15%<br>50 | 75.46%<br>163 | 216 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 3.29%<br>7 | 13.62%<br>29 | 38.03%<br>81 | 45.07%<br>96 | <br>213 |

# Q184 6.2.9 Lumbar Disc Pathologies (e.g., DDD, protrusion, herniation).

Answered: 222 Skipped: 988

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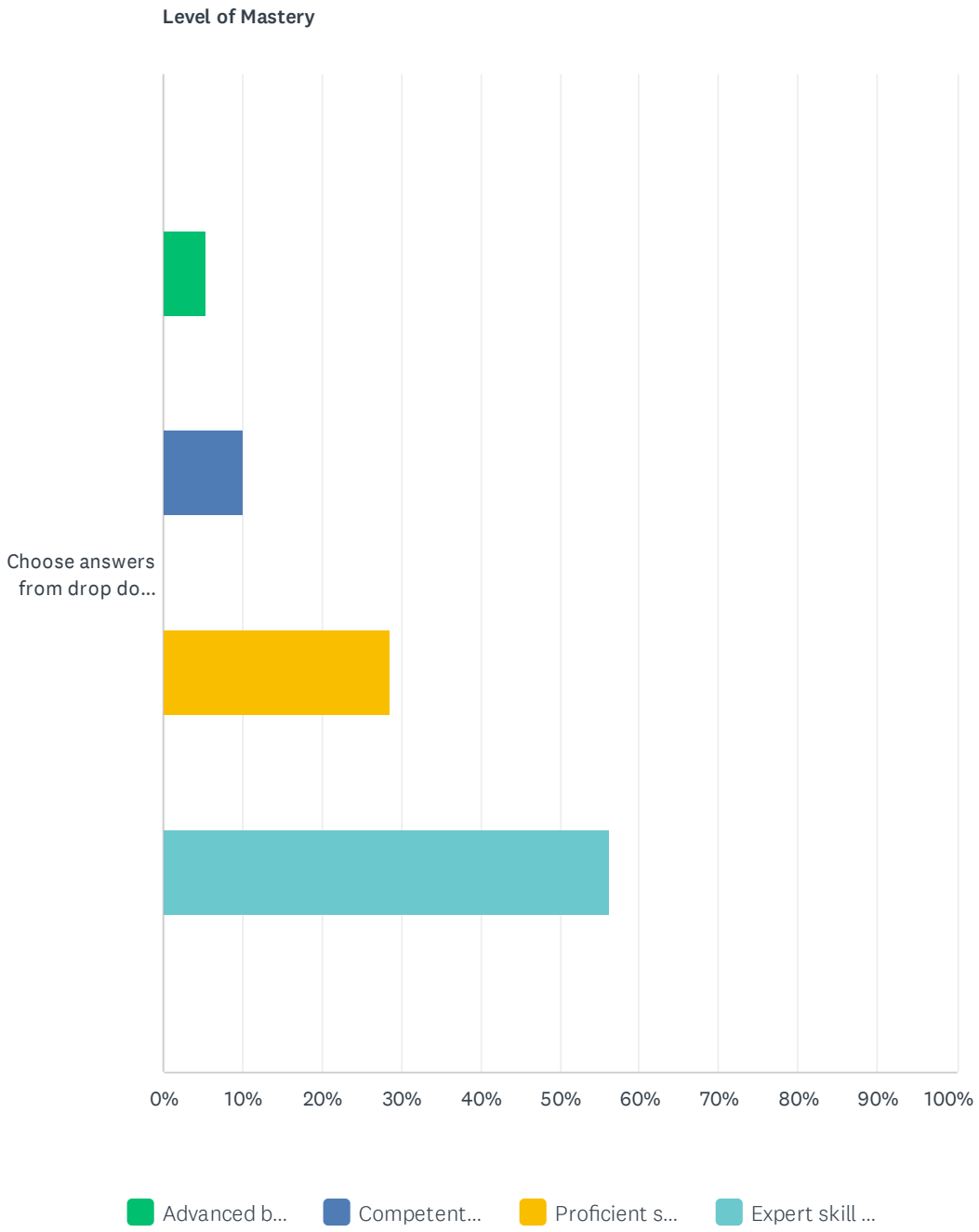


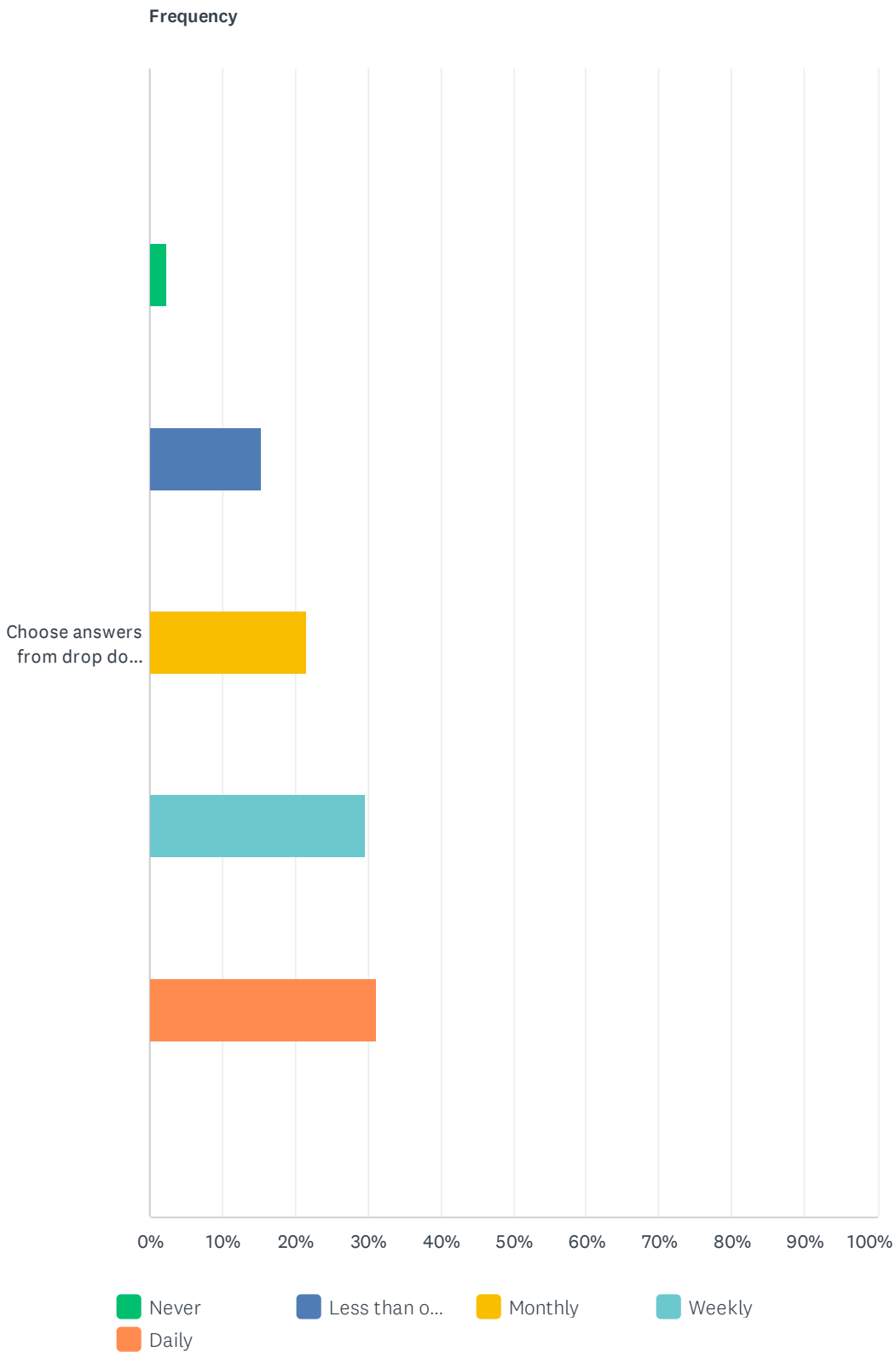

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.36%<br>3 | 4.07%<br>9 | 26.70%<br>59 | 67.87%<br>150 | 221 |

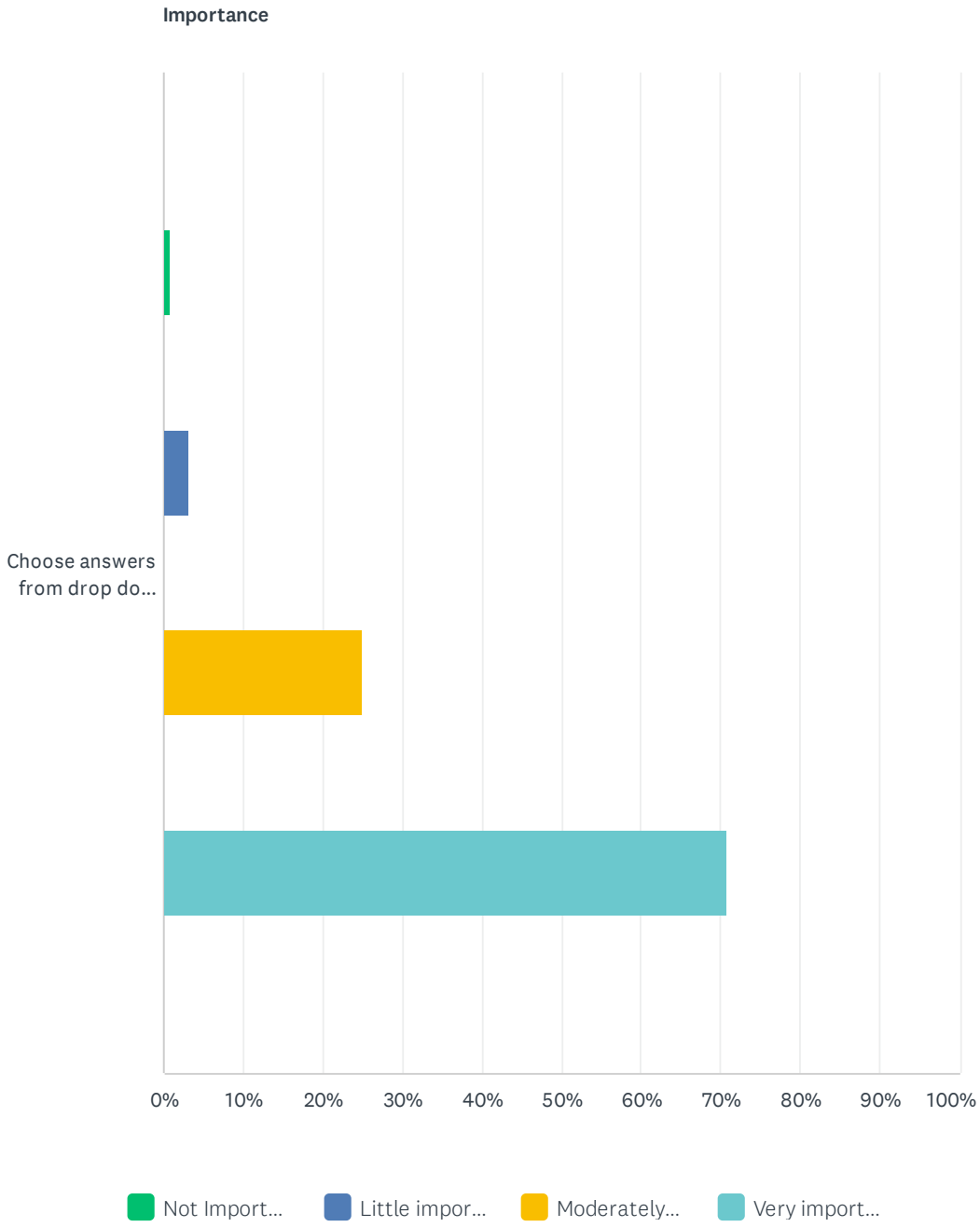
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.86%<br>4 | 12.56%<br>27 | 85.58%<br>184 | 215 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 5.24%<br>11 | 10.00%<br>21 | 28.57%<br>60 | 56.19%<br>118 | <br>210 |

# Q185 6.2.10 Lumbar Instability.

Answered: 222 Skipped: 988

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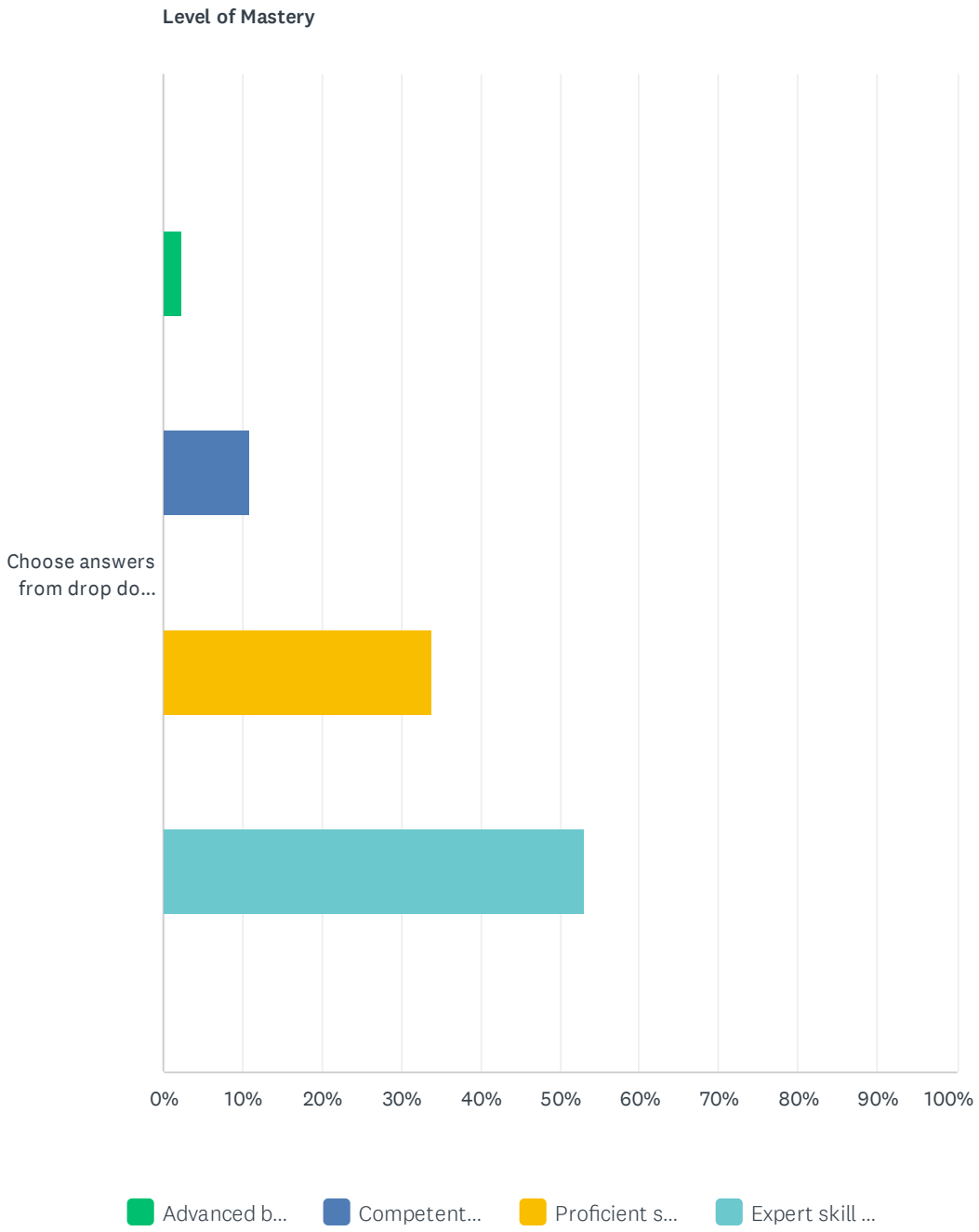


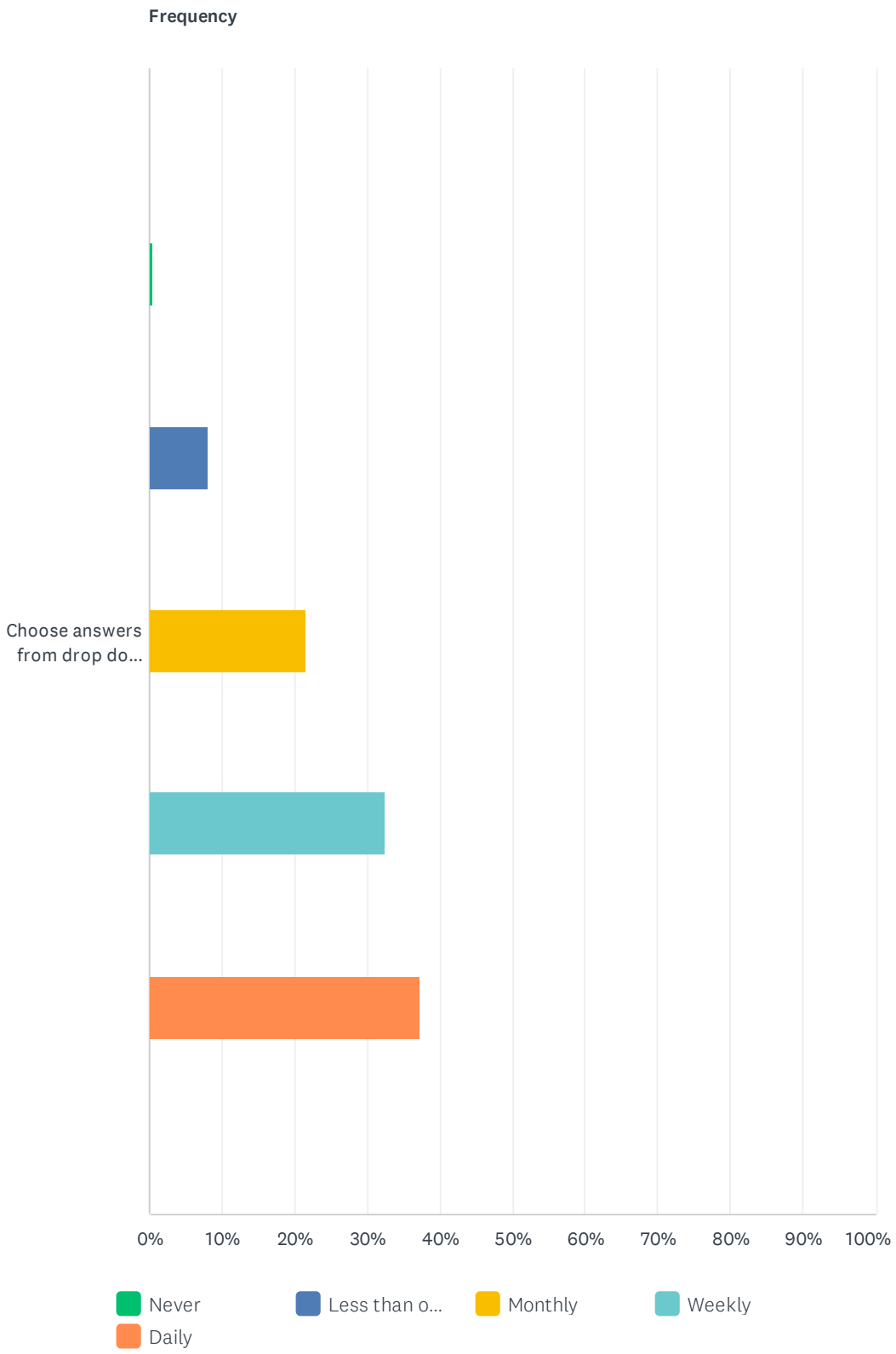

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 2.25%<br>5 | 15.32%<br>34 | 21.62%<br>48 | 29.73%<br>66 | 31.08%<br>69 | 222 |

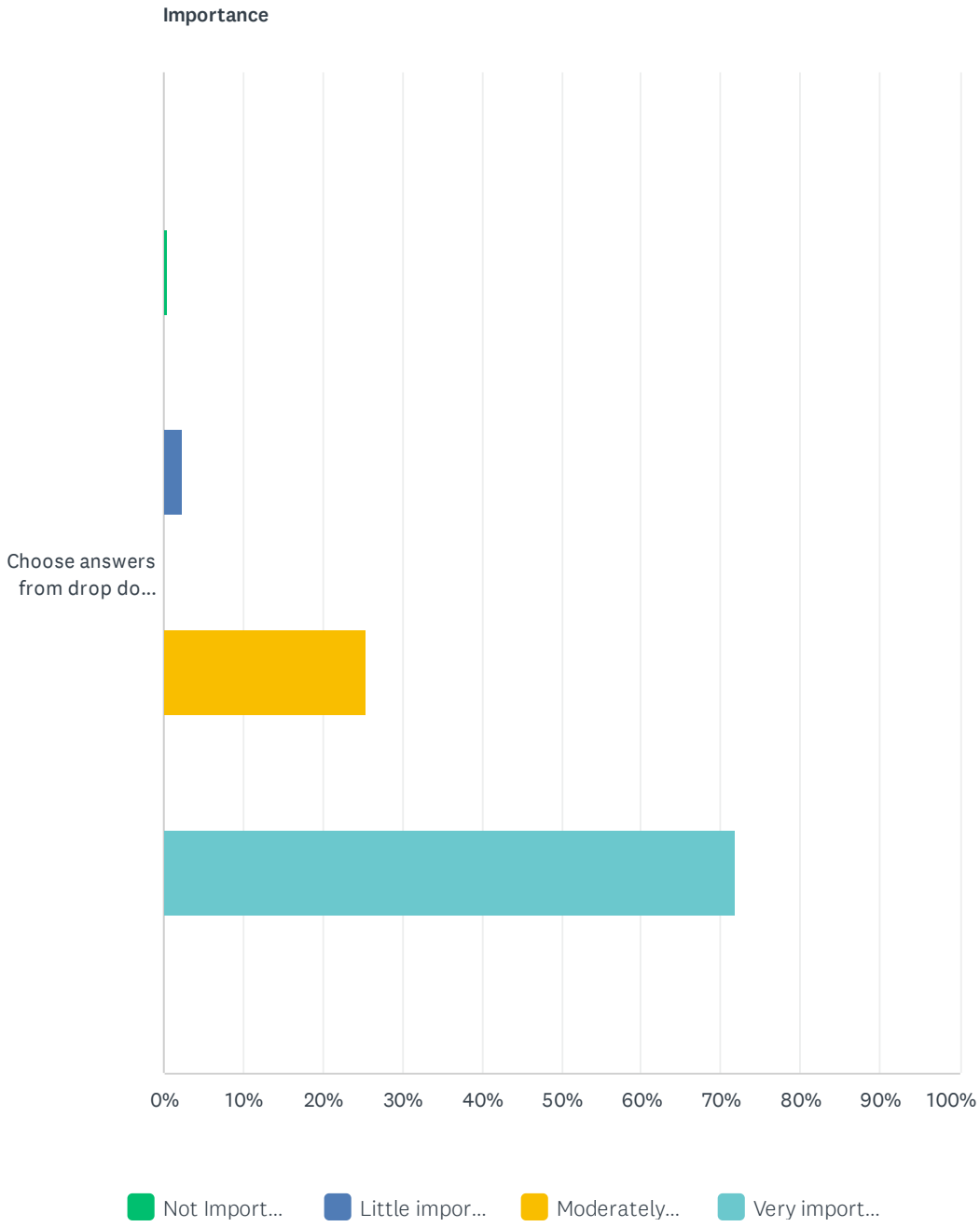
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.93%<br>2 | 3.24%<br>7 | 25.00%<br>54 | 70.83%<br>153 | 216 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 2.35%<br>5 | 10.80%<br>23 | 33.80%<br>72 | 53.05%<br>113 | <br>213 |

# Q186 6.2.11 Lumbar Spondylosis / Spondylolisthesis.

Answered: 222 Skipped: 988

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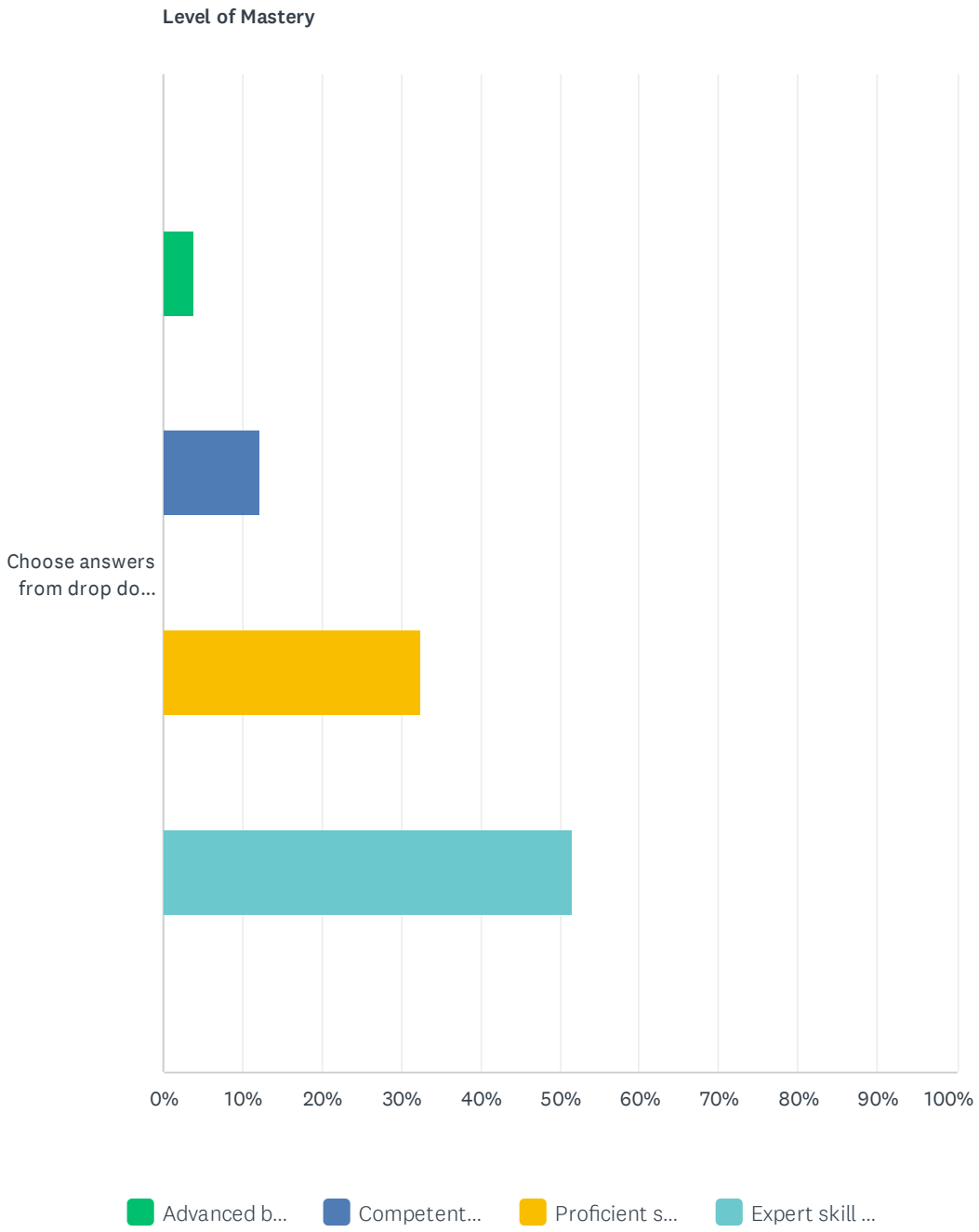


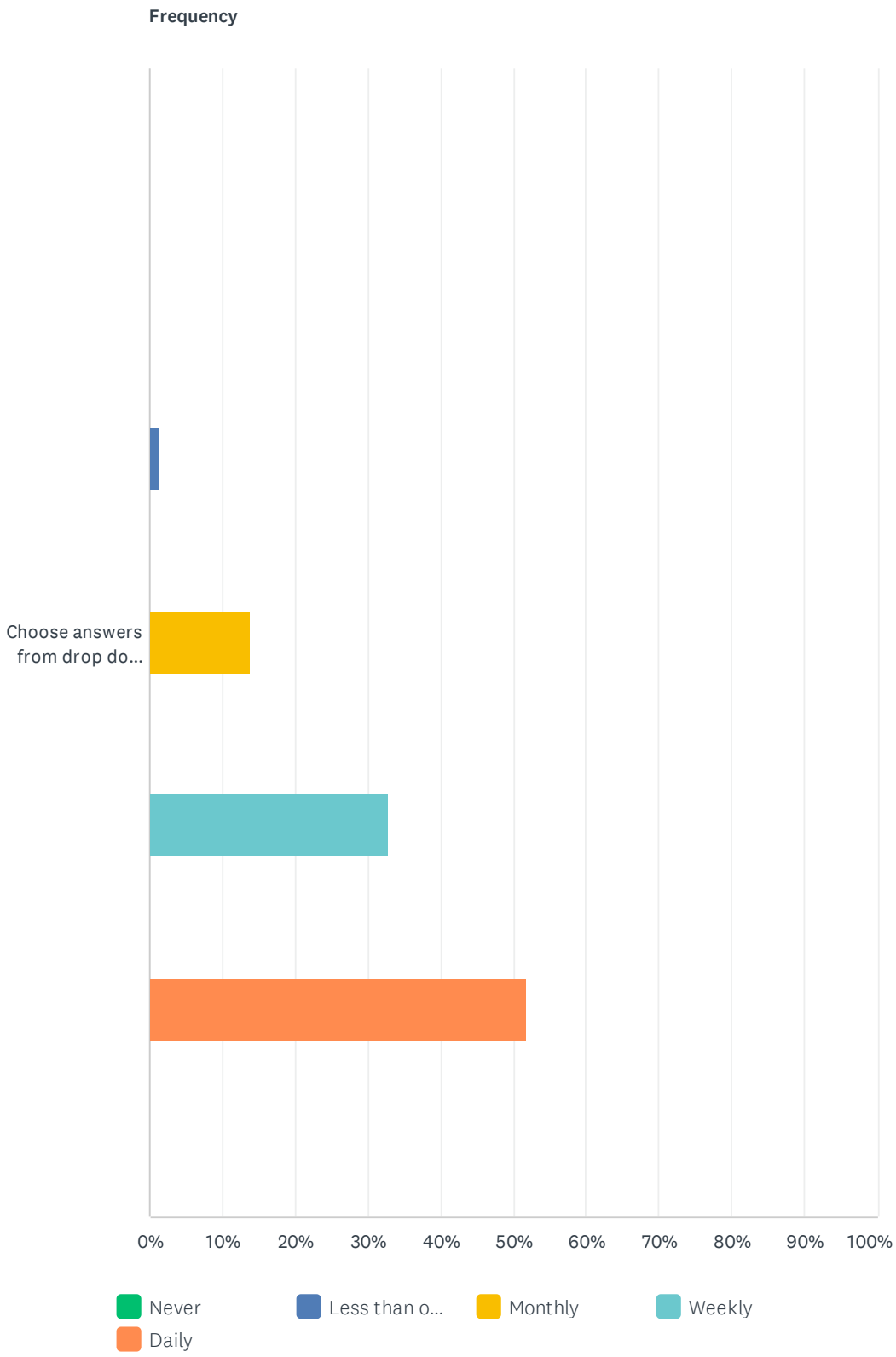

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.45%<br>1 | 8.11%<br>18 | 21.62%<br>48 | 32.43%<br>72 | 37.39%<br>83 | 222 |

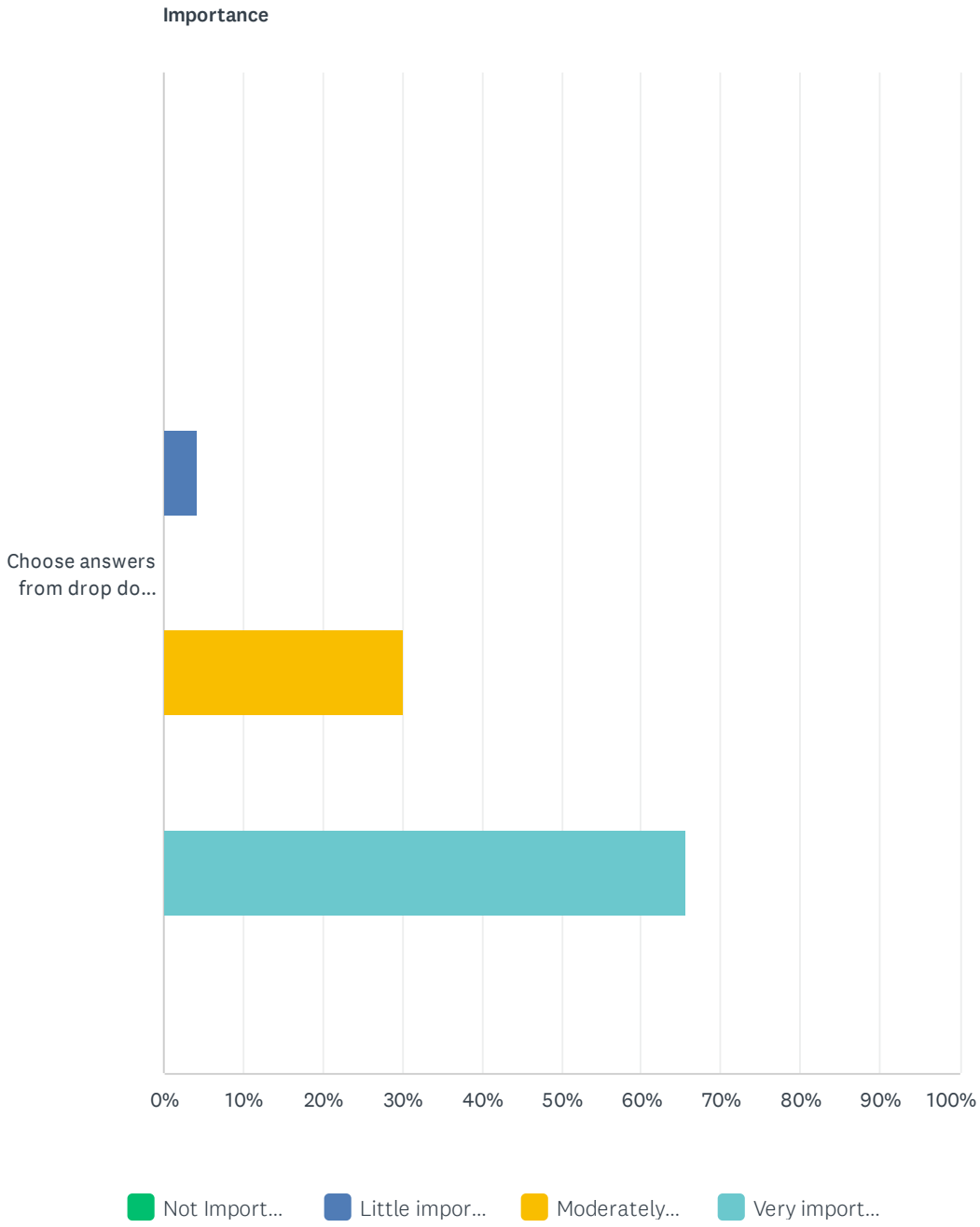
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.46%<br>1 | 2.31%<br>5 | 25.46%<br>55 | 71.76%<br>155 | 216 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 3.76%<br>8 | 12.21%<br>26 | 32.39%<br>69 | 51.64%<br>110 | <br>213 |

# Q187 6.2.12 Lumbar Strain.

Answered: 222 Skipped: 988

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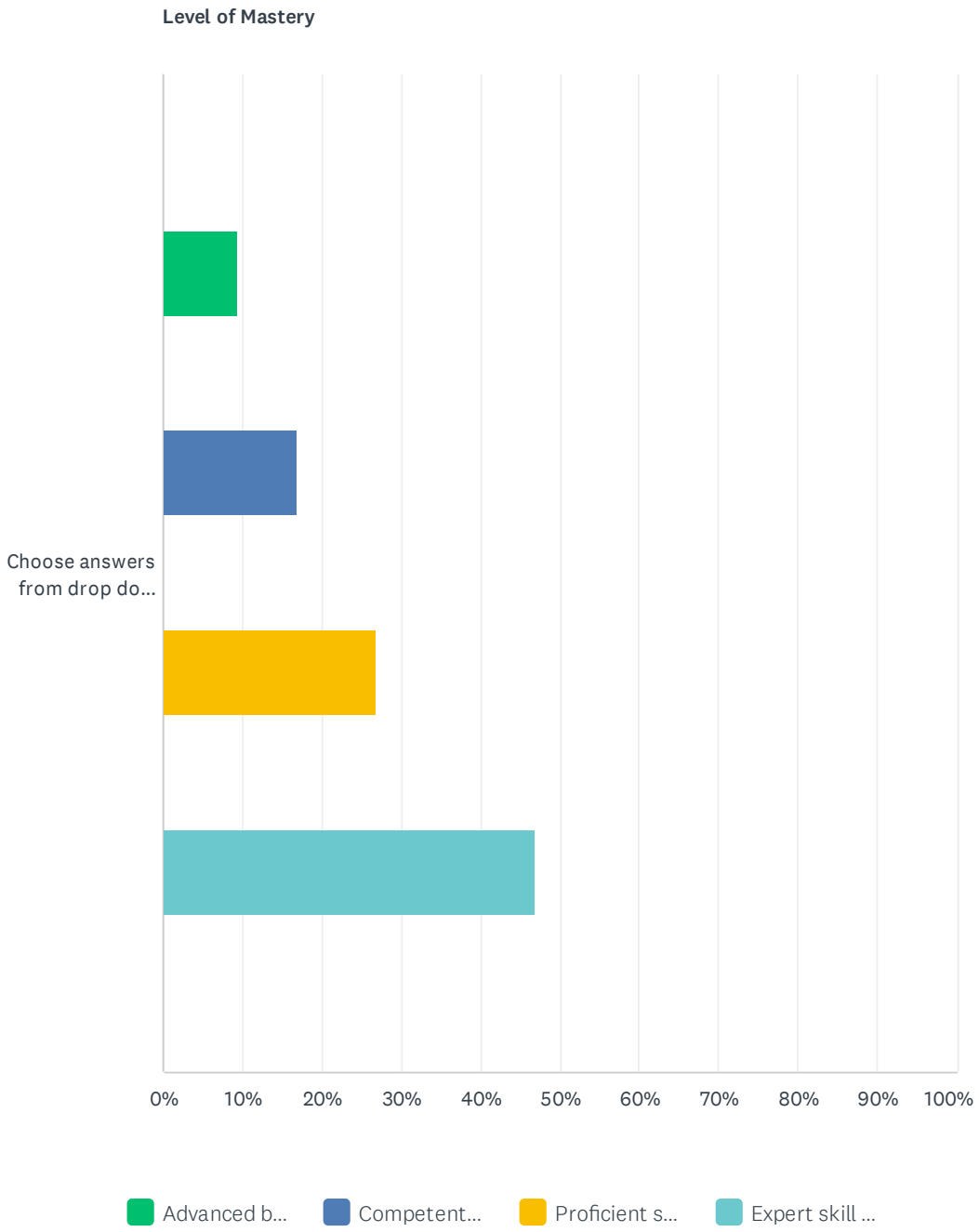


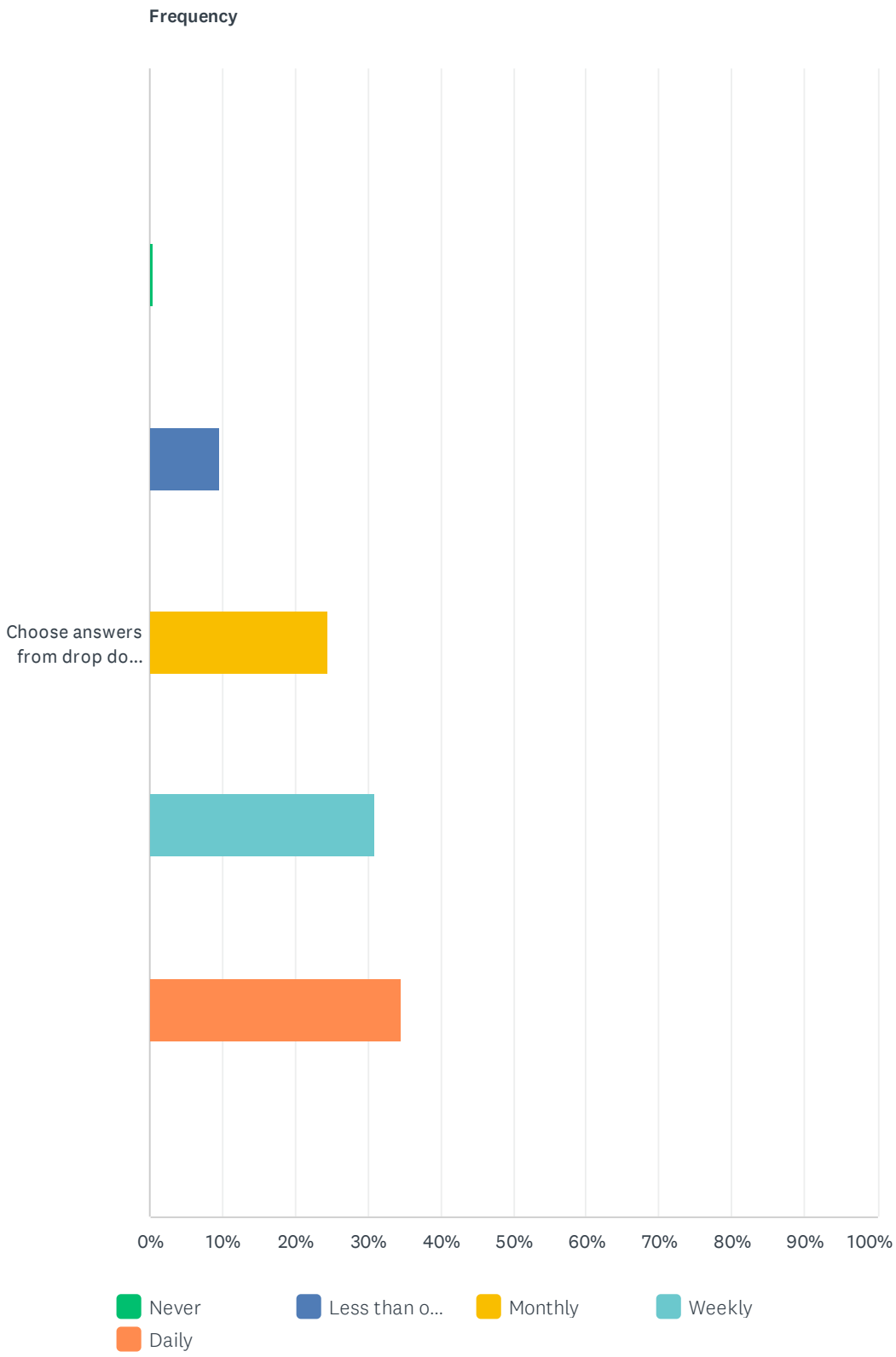

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 1.35%<br>3 | 13.96%<br>31 | 32.88%<br>73 | 51.80%<br>115 | 222 |

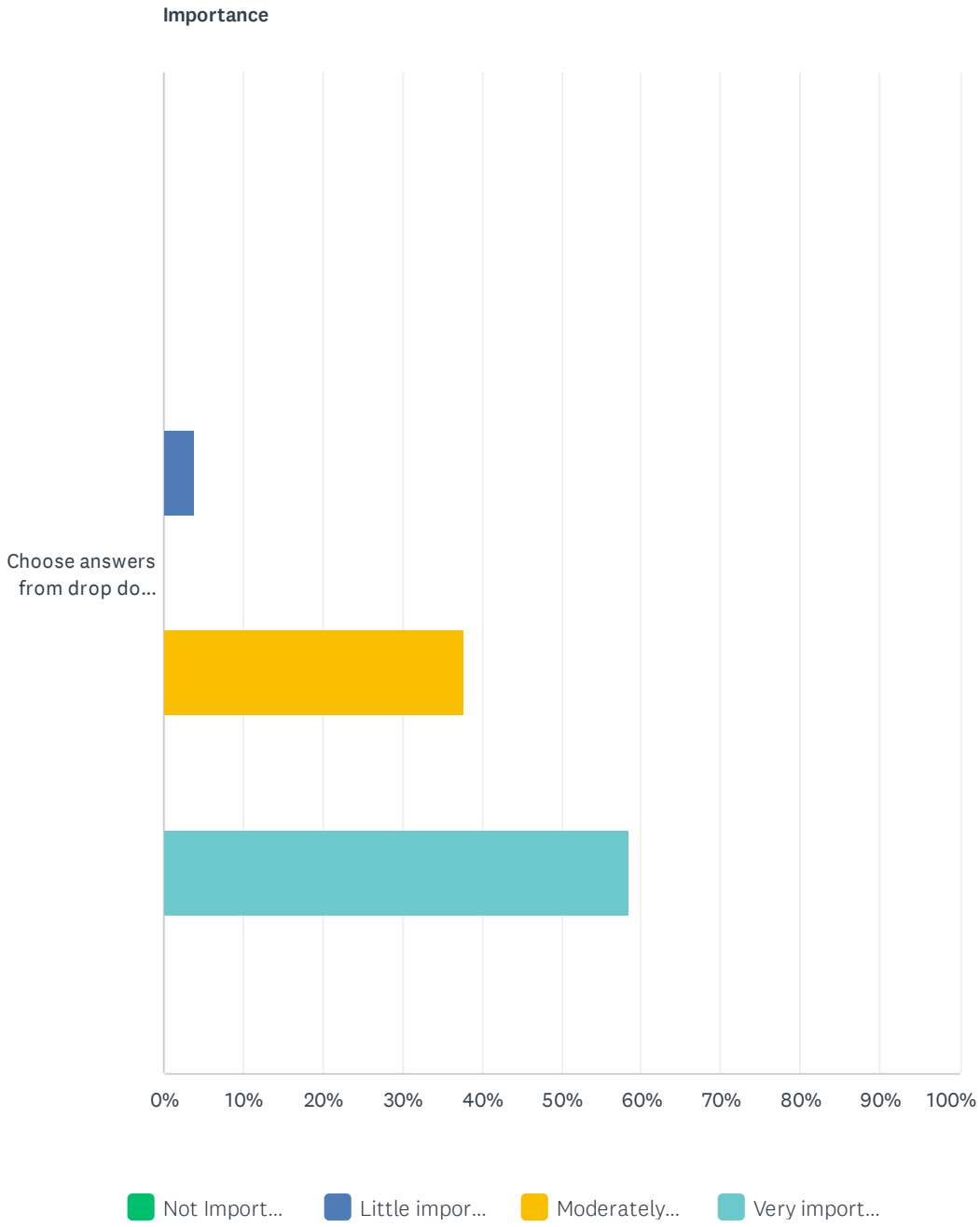
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 4.17%<br>9 | 30.09%<br>65 | 65.74%<br>142 | 216 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 9.39%<br>20 | 16.90%<br>36 | 26.76%<br>57 | 46.95%<br>100 | <br>213 |

# Q188 6.2.13 Other Disorders of the Lumbar Spine.

Answered: 220 Skipped: 990




Importance
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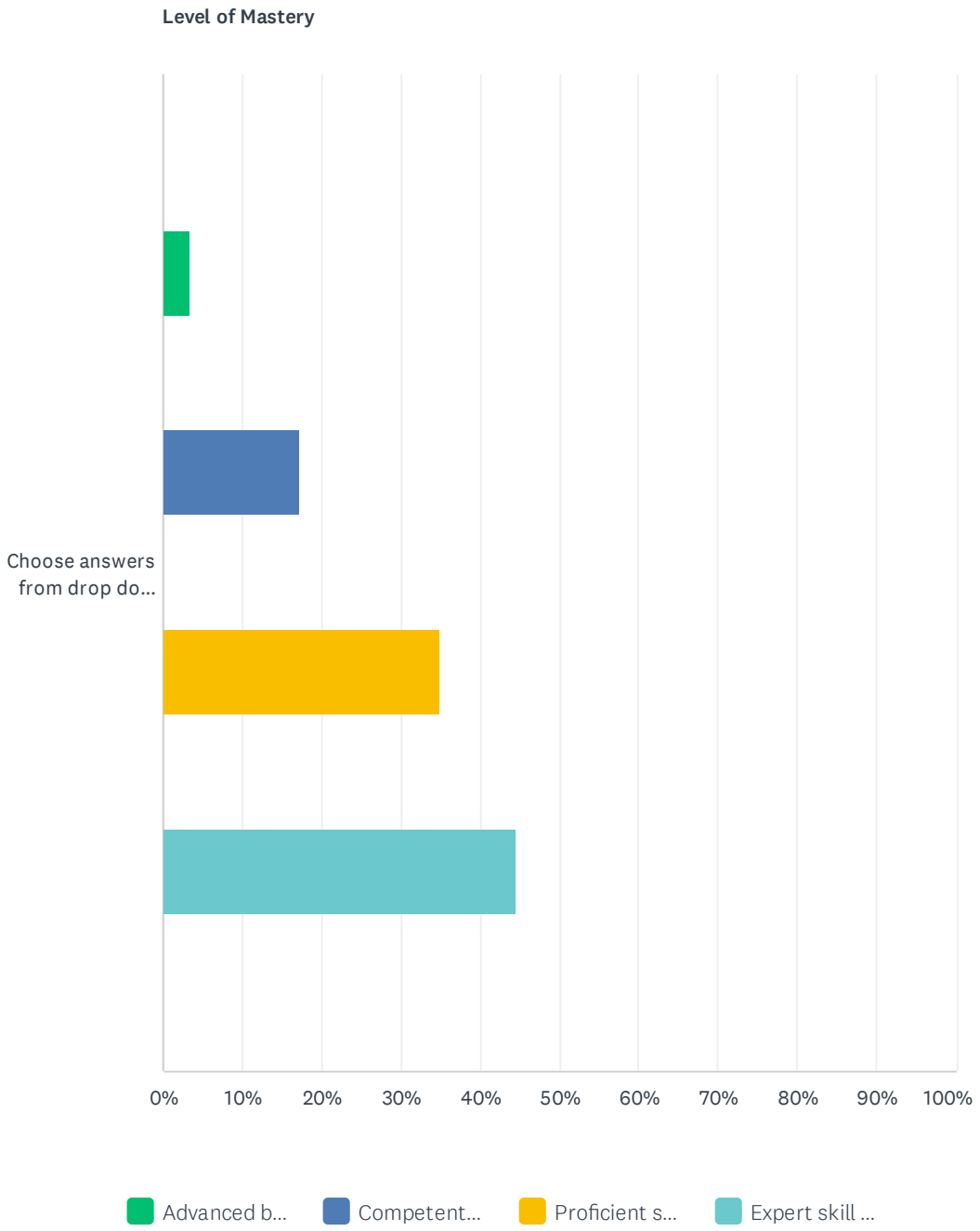
Very import...



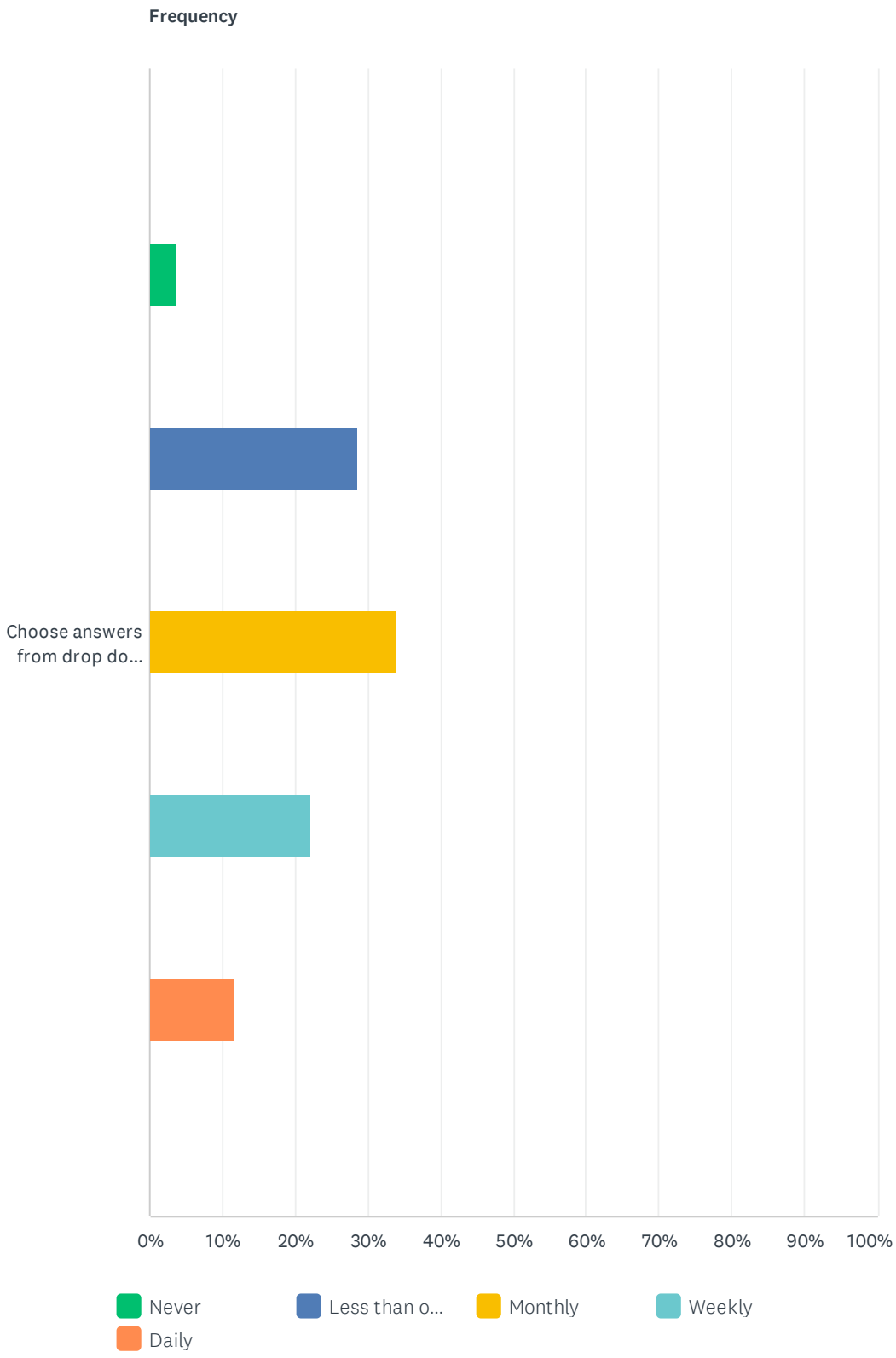

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.45%<br>1 | 9.55%<br>21 | 24.55%<br>54 | 30.91%<br>68 | 34.55%<br>76 | 220 |

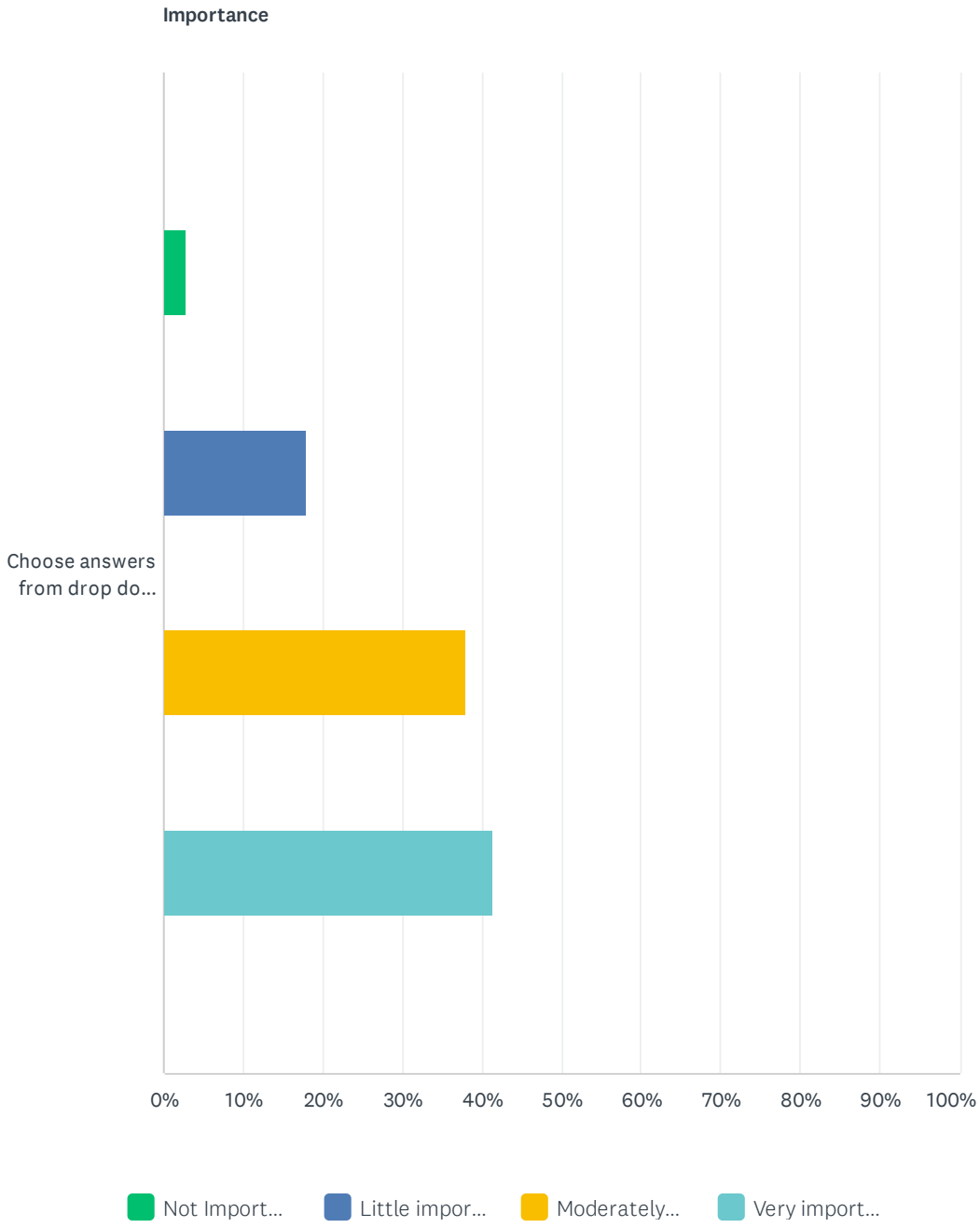
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 3.77%<br>8 | 37.74%<br>80 | 58.49%<br>124 | 212 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 3.35%<br>7 | 17.22%<br>36 | 34.93%<br>73 | 44.50%<br>93 | <br>209 |

# Q189 6.2.14 Piriformis Syndrome.

Answered: 221 Skipped: 989

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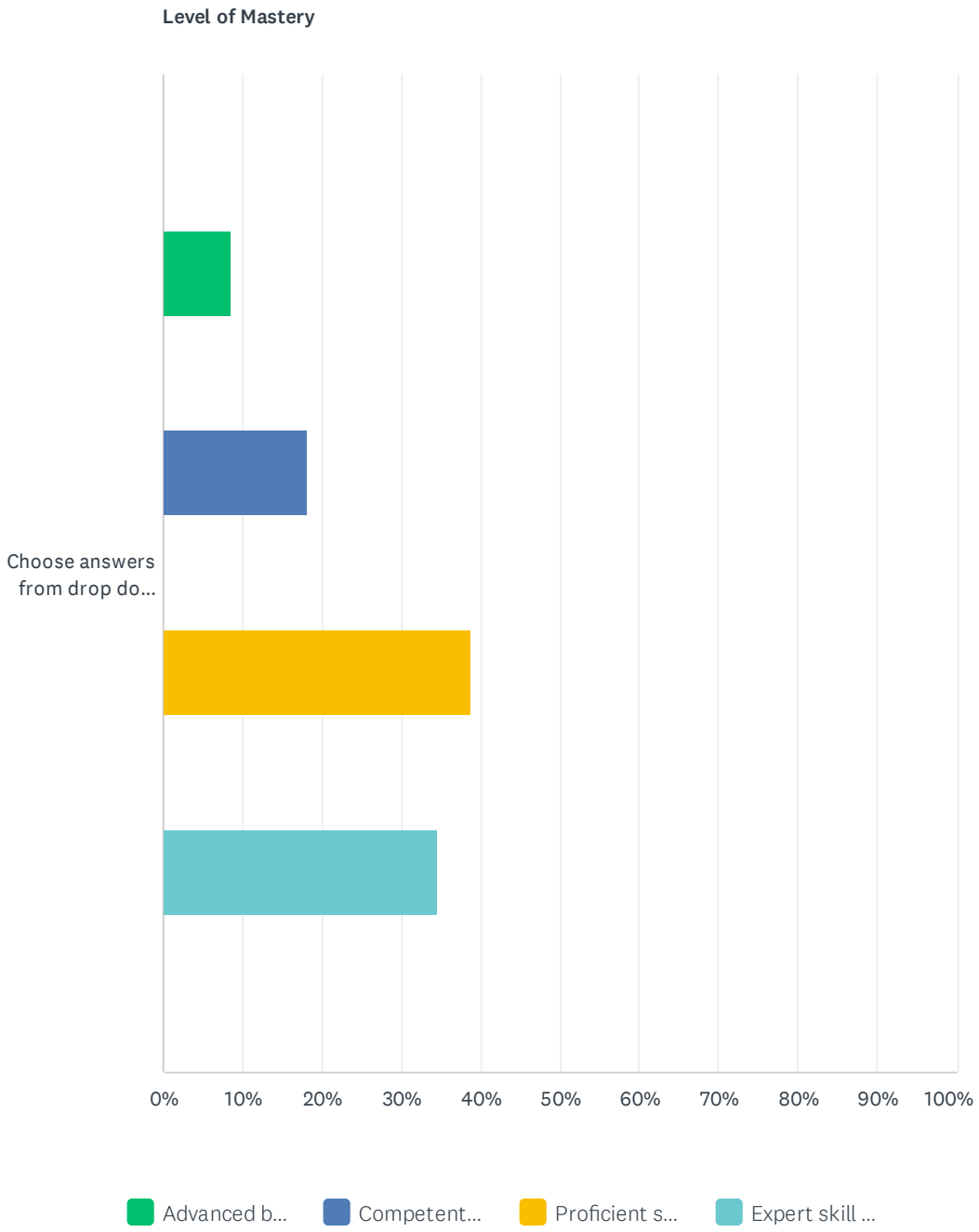


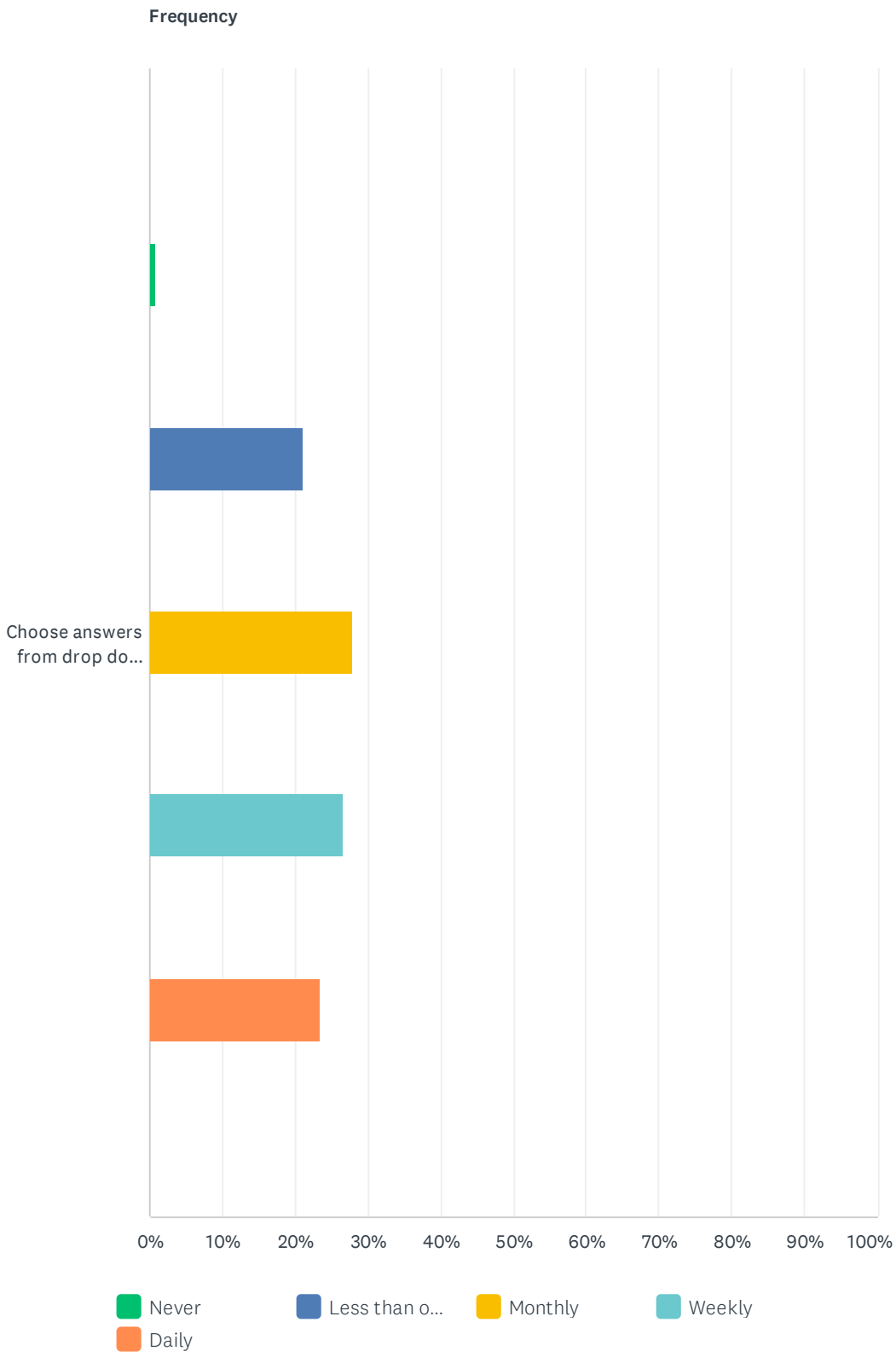

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 3.62%<br>8 | 28.51%<br>63 | 33.94%<br>75 | 22.17%<br>49 | 11.76%<br>26 | 221 |

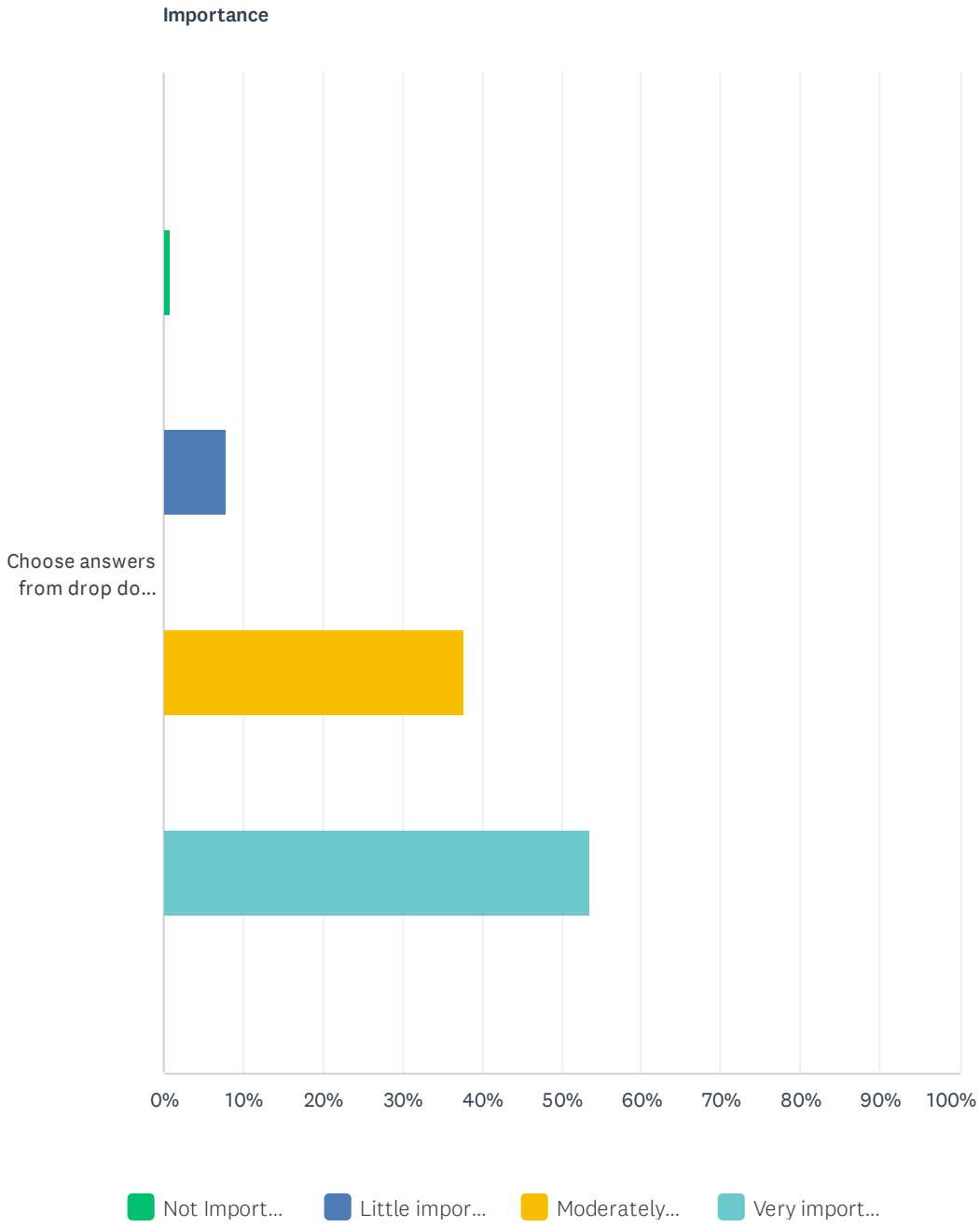
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 2.82%<br>6 | 17.84%<br>38 | 38.03%<br>81 | 41.31%<br>88 | 213 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 8.61%<br>18 | 18.18%<br>38 | 38.76%<br>81 | 34.45%<br>72 | 209 |

# Q190 6.2.15 Sacroiliac Dysfunction.

Answered: 222 Skipped: 988

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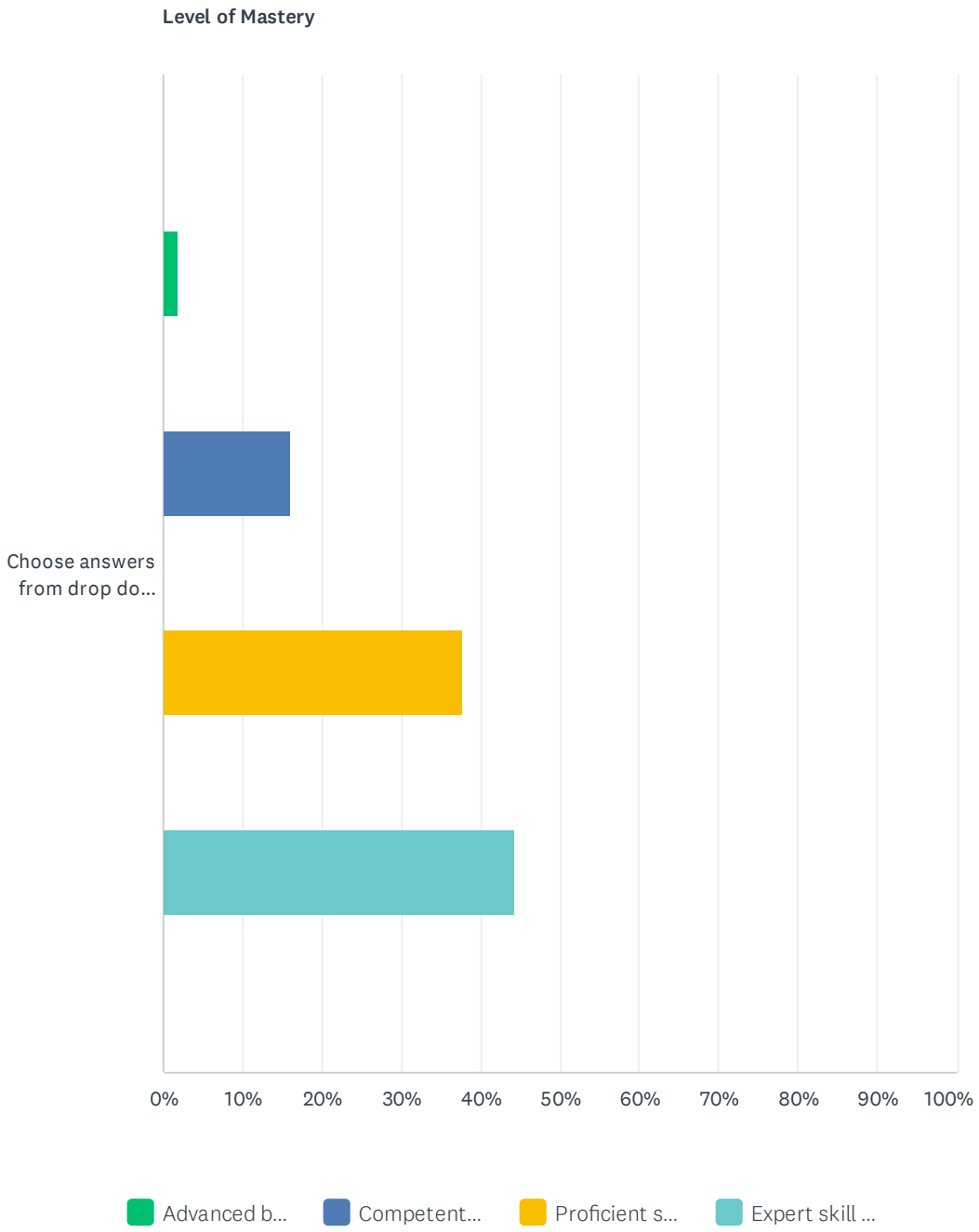


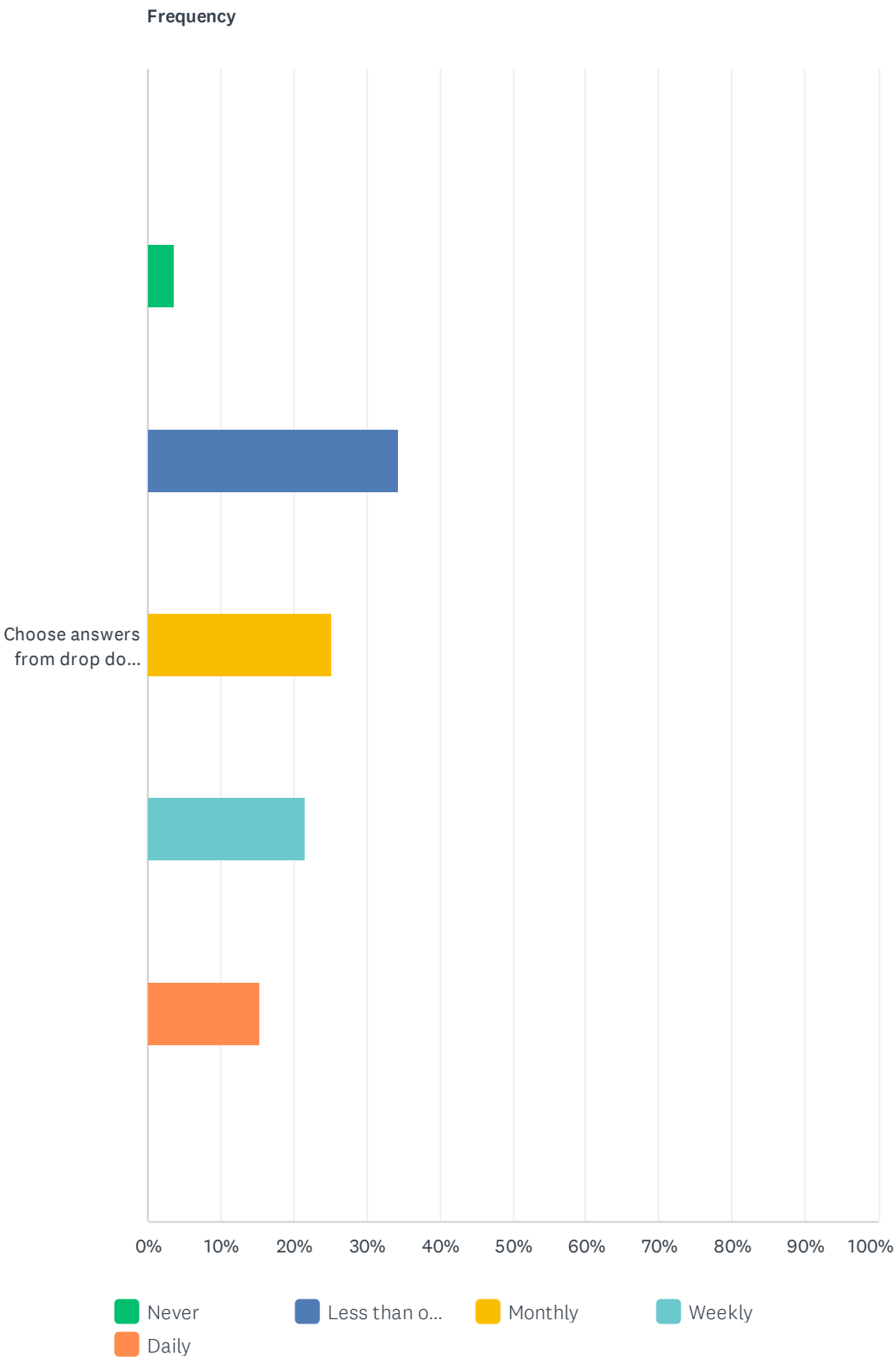

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.90%<br>2 | 21.17%<br>47 | 27.93%<br>62 | 26.58%<br>59 | 23.42%<br>52 | 222 |

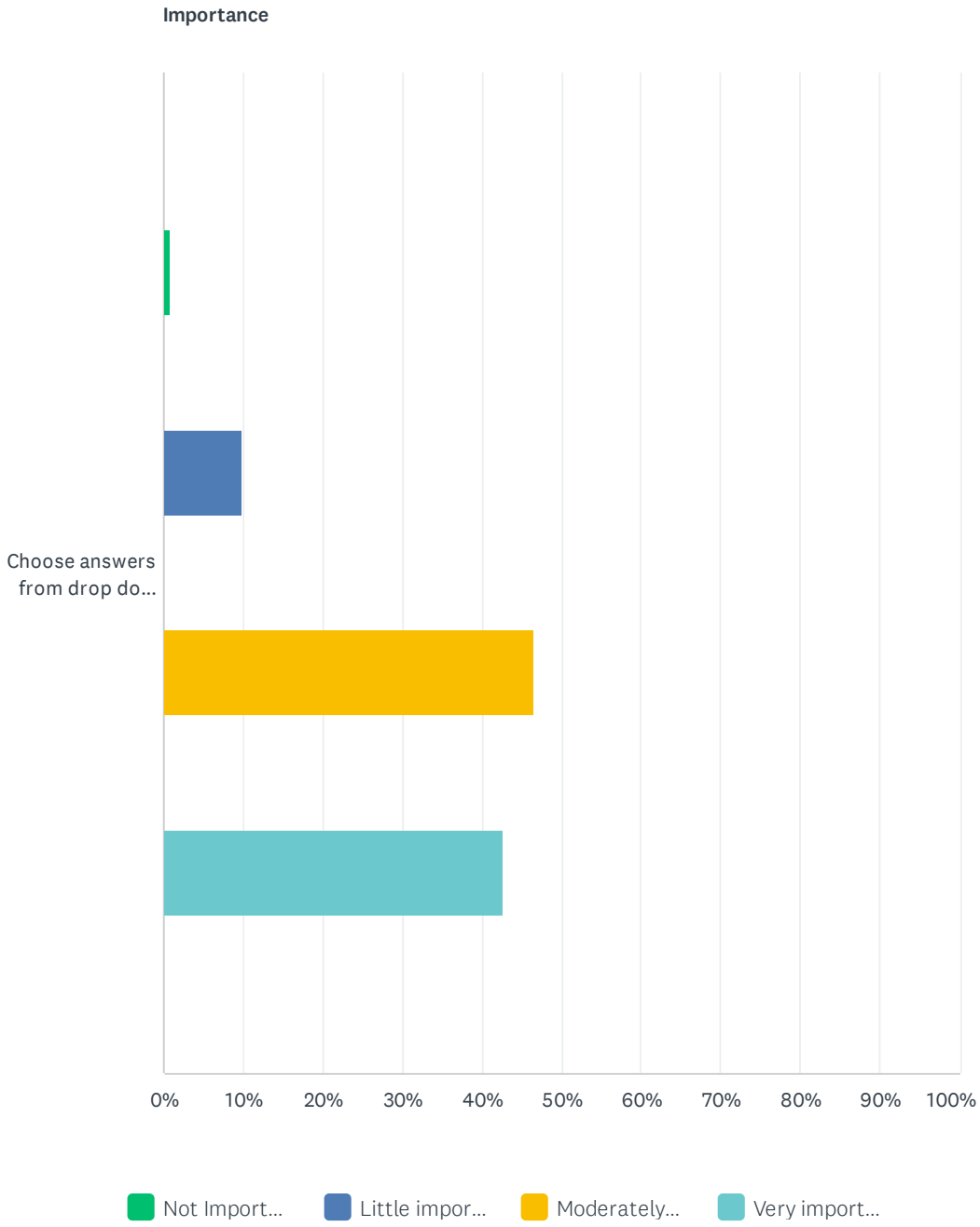
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.93%<br>2 | 7.91%<br>17 | 37.67%<br>81 | 53.49%<br>115 | 215 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 1.89%<br>4 | 16.04%<br>34 | 37.74%<br>80 | 44.34%<br>94 | 212 |

# Q191 6.2.16 Other Disorders of the Pelvic Girdle.

Answered: 222 Skipped: 988

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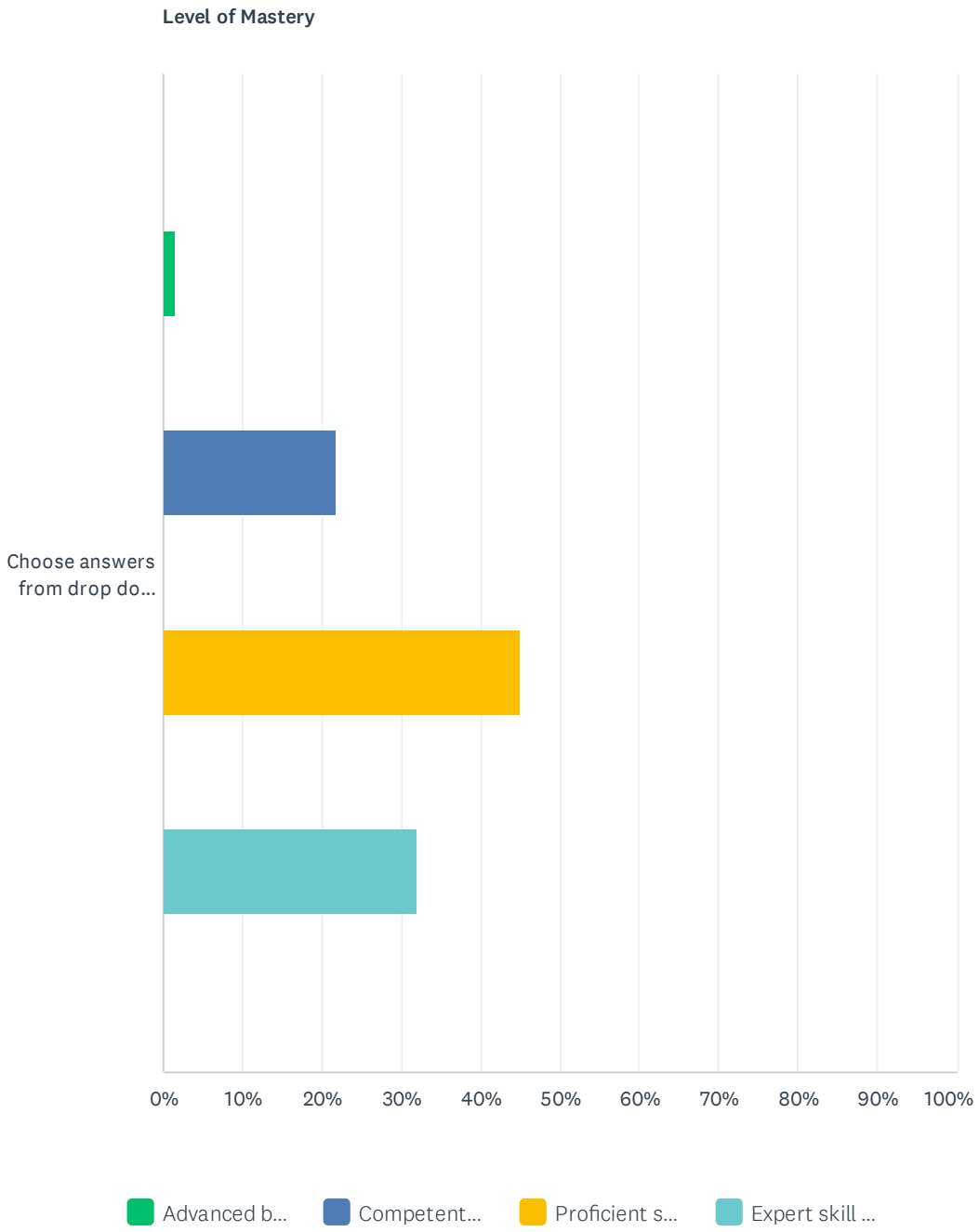


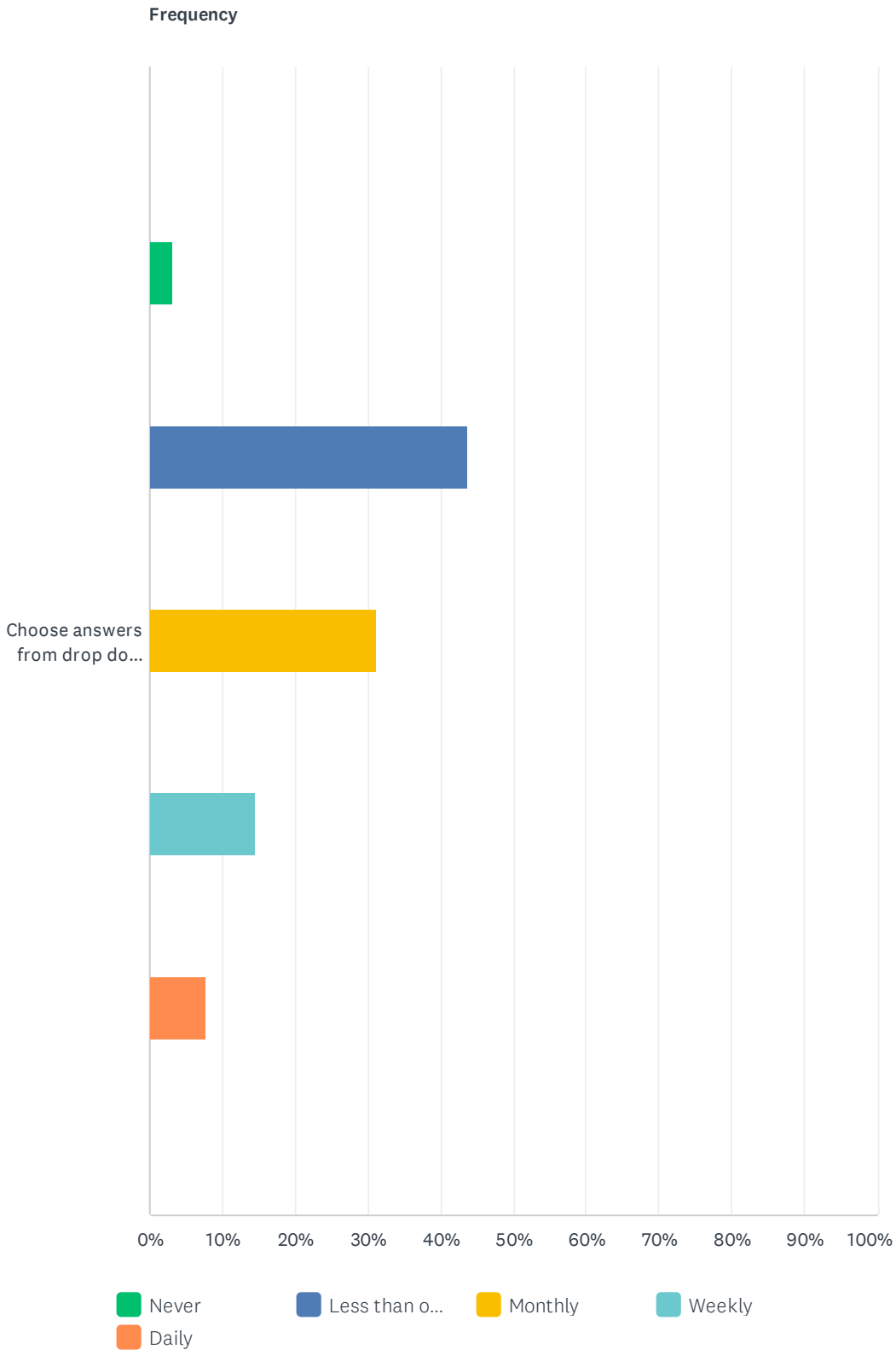

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 3.60%<br>8 | 34.23%<br>76 | 25.23%<br>56 | 21.62%<br>48 | 15.32%<br>34 | 222 |

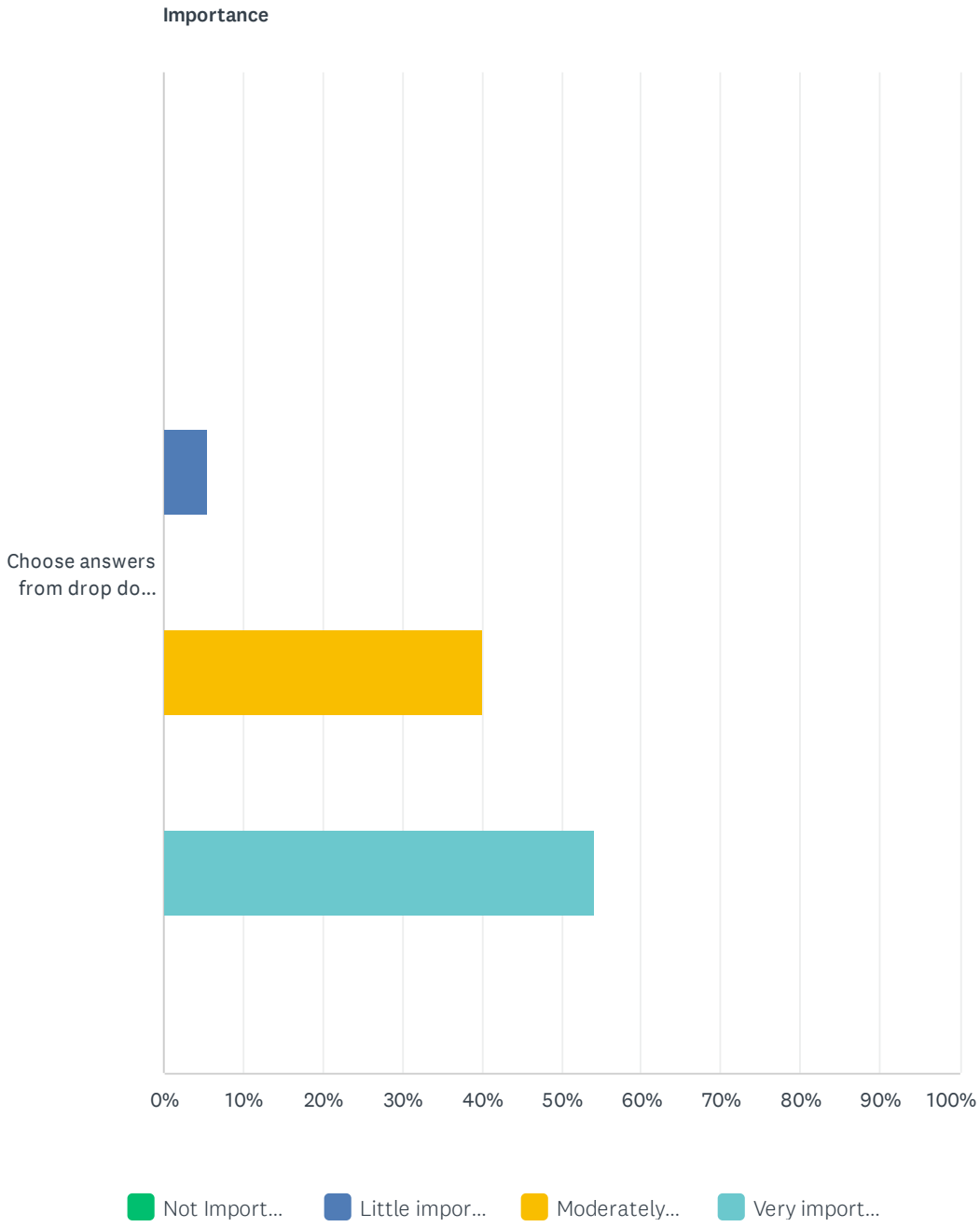
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.94%<br>2 | 9.86%<br>21 | 46.48%<br>99 | 42.72%<br>91 | 213 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 1.45%<br>3 | 21.74%<br>45 | 44.93%<br>93 | 31.88%<br>66 | <br>207 |

# Q192 6.2.17 Inflammatory Conditions (spondyloarthropathies such as ankylosing spondylitis, RA, etc.).

Answered: 222 Skipped: 988

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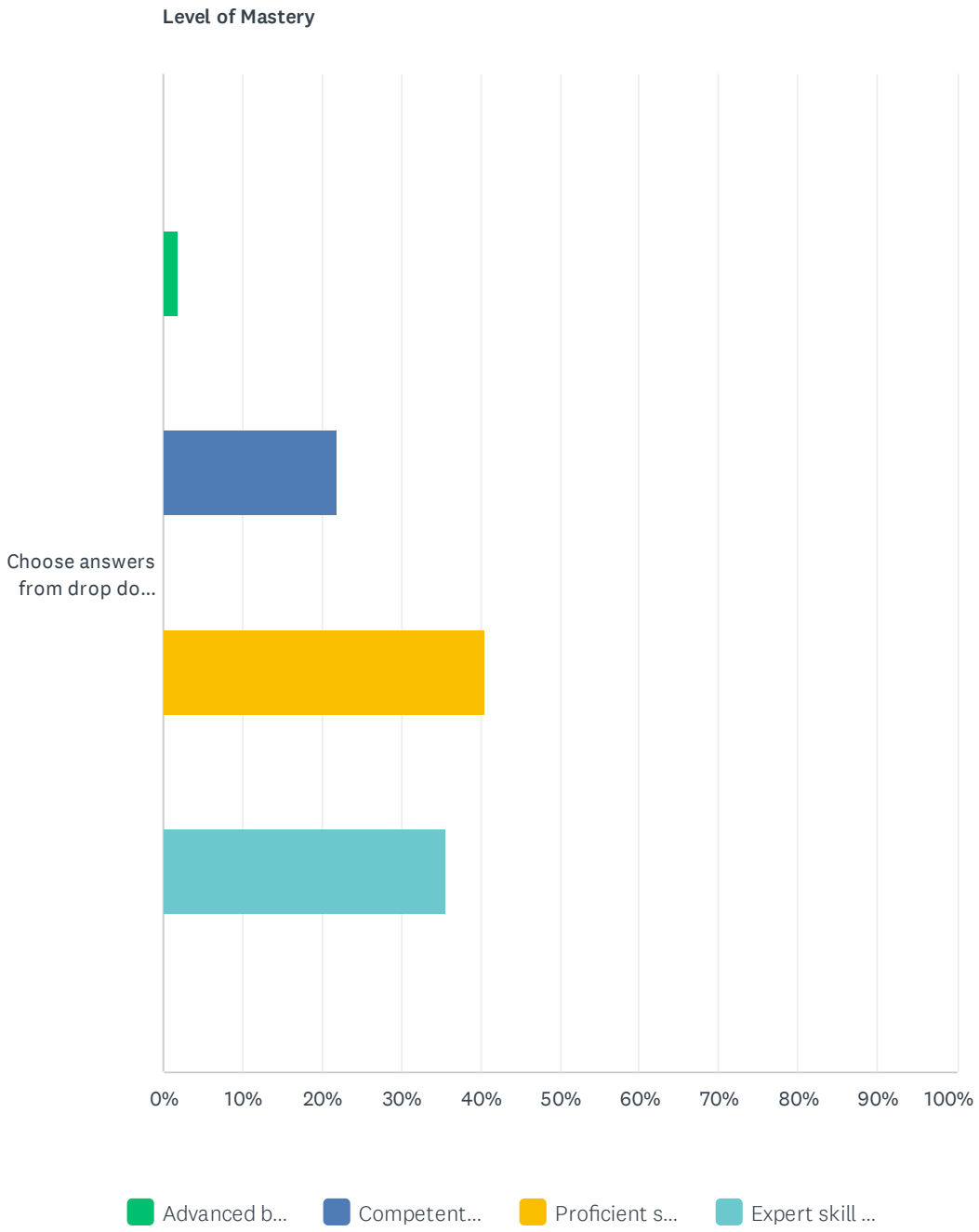


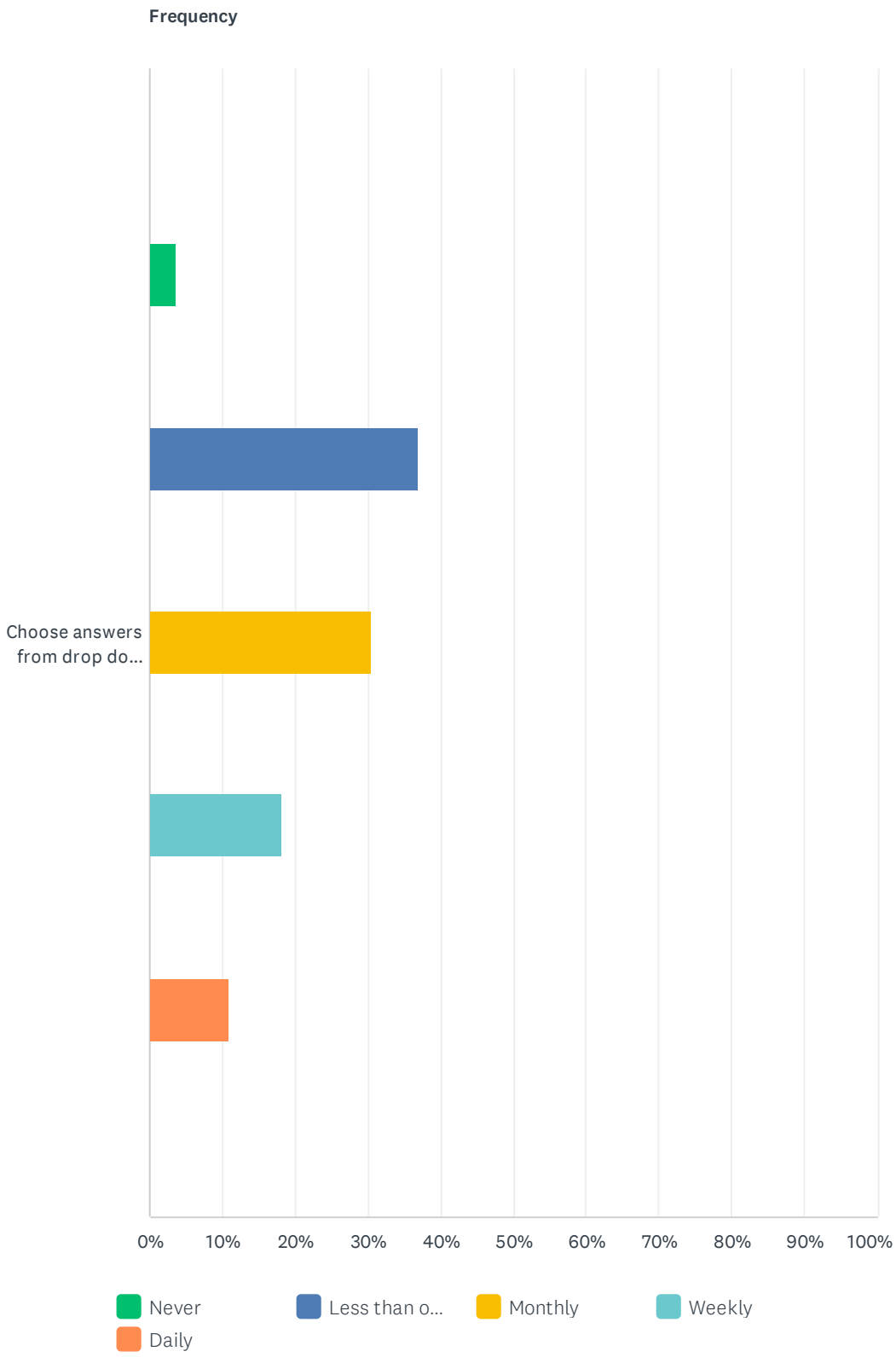

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 3.15%<br>7 | 43.69%<br>97 | 31.08%<br>69 | 14.41%<br>32 | 7.66%<br>17 | 222 |

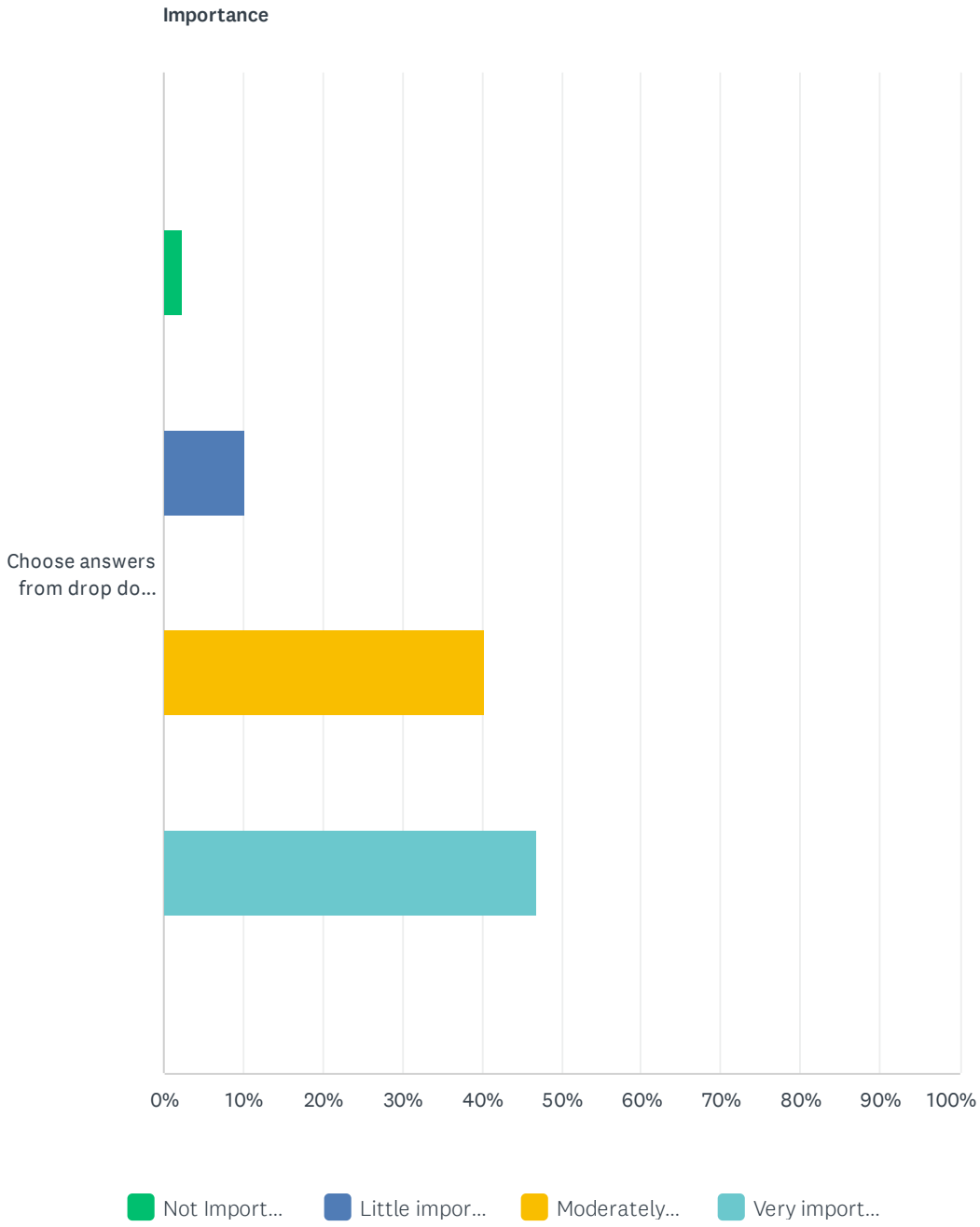
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 5.61%<br>12 | 40.19%<br>86 | 54.21%<br>116 | 214 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 1.90%<br>4 | 21.90%<br>46 | 40.48%<br>85 | 35.71%<br>75 | <br>210 |

# Q193 6.2.18 Rib Dysfunction.

Answered: 220 Skipped: 990

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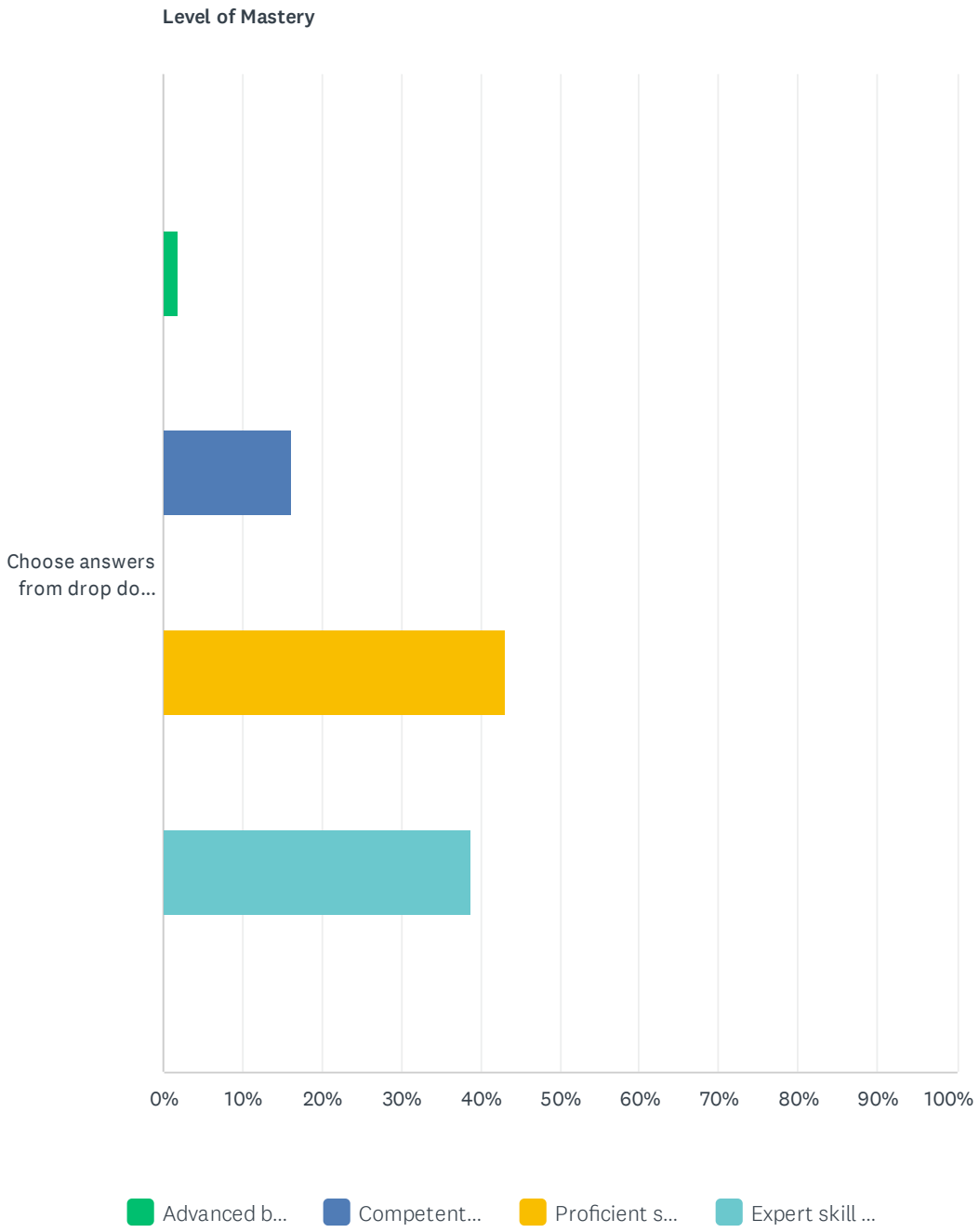


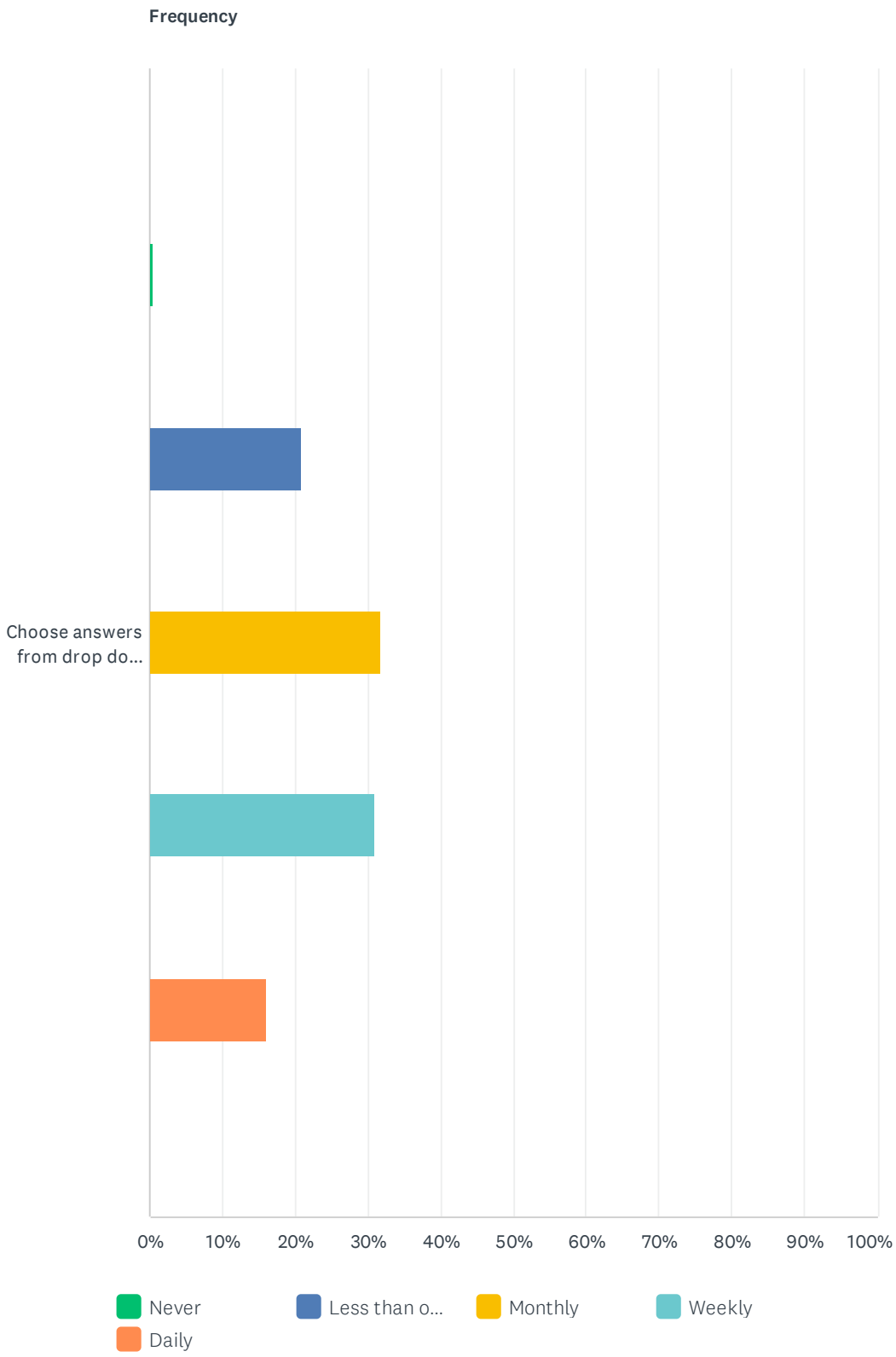

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 3.64%<br>8 | 36.82%<br>81 | 30.45%<br>67 | 18.18%<br>40 | 10.91%<br>24 | 220 |

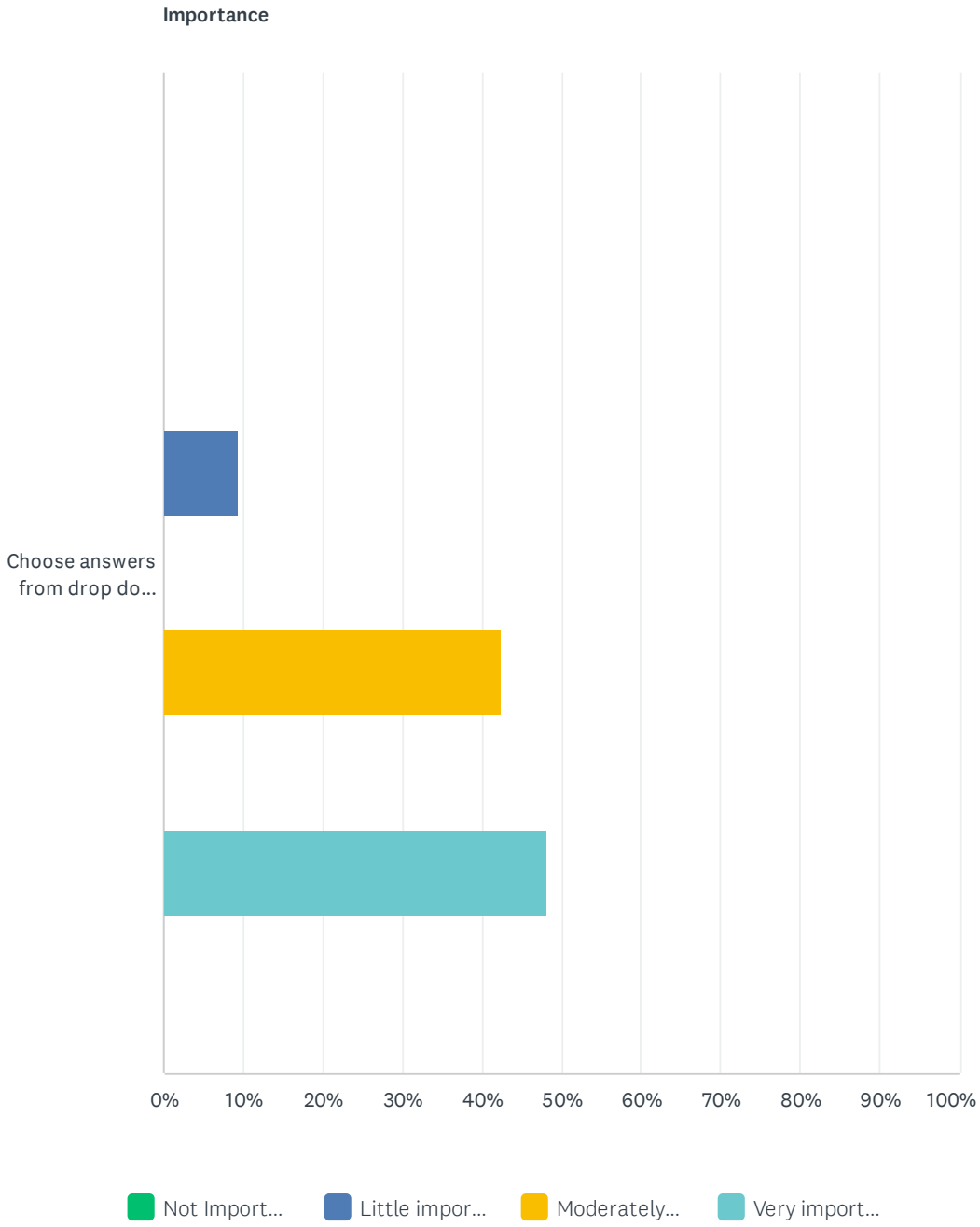
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 2.35%<br>5 | 10.33%<br>22 | 40.38%<br>86 | 46.95%<br>100 | 213 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 1.91%<br>4 | 16.27%<br>34 | 43.06%<br>90 | 38.76%<br>81 | <br>209 |

# Q194 6.2.19 Thoracic Sprain/Strain.

Answered: 220 Skipped: 990

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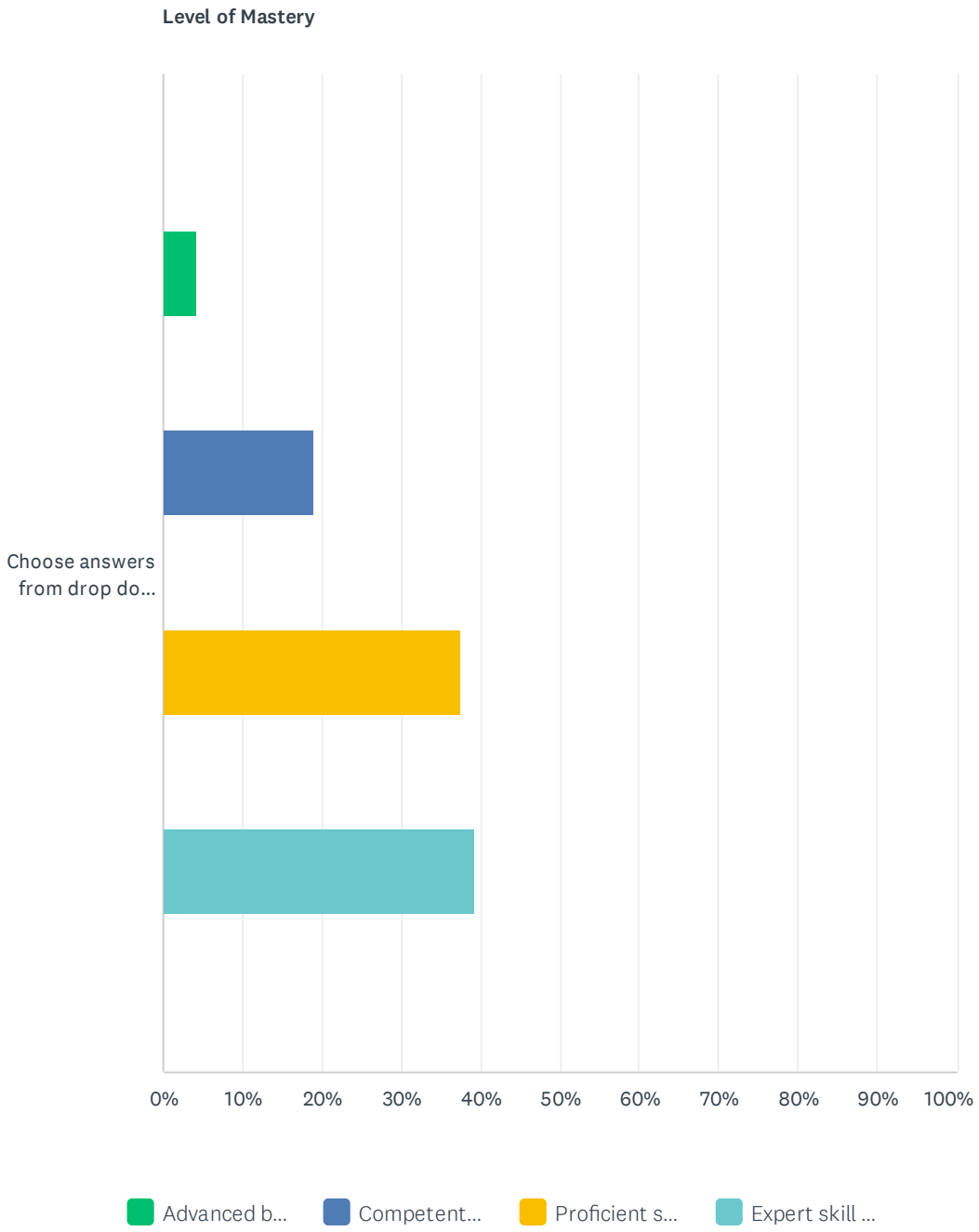


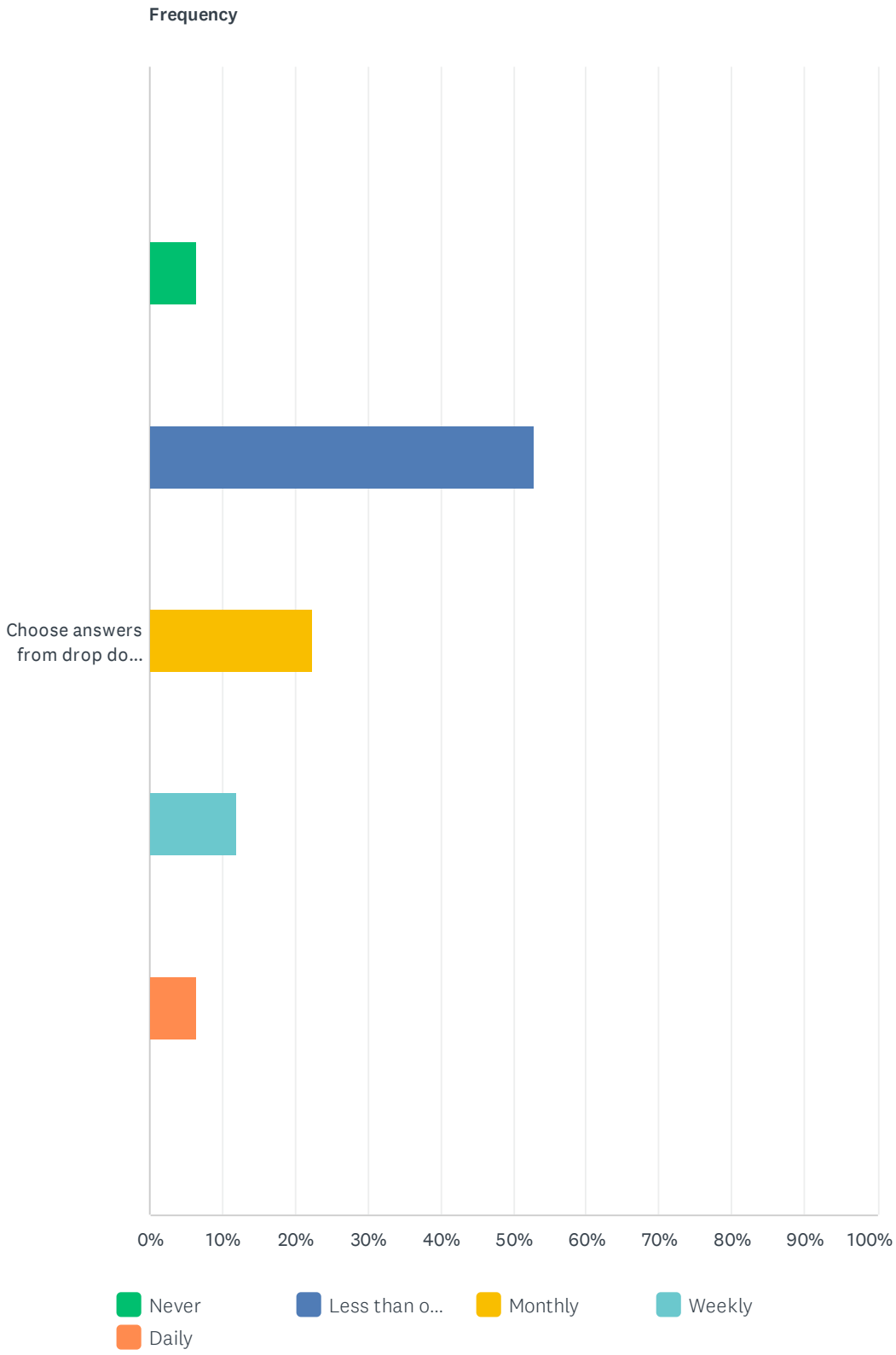

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.45%<br>1 | 20.91%<br>46 | 31.82%<br>70 | 30.91%<br>68 | 15.91%<br>35 | 220 |

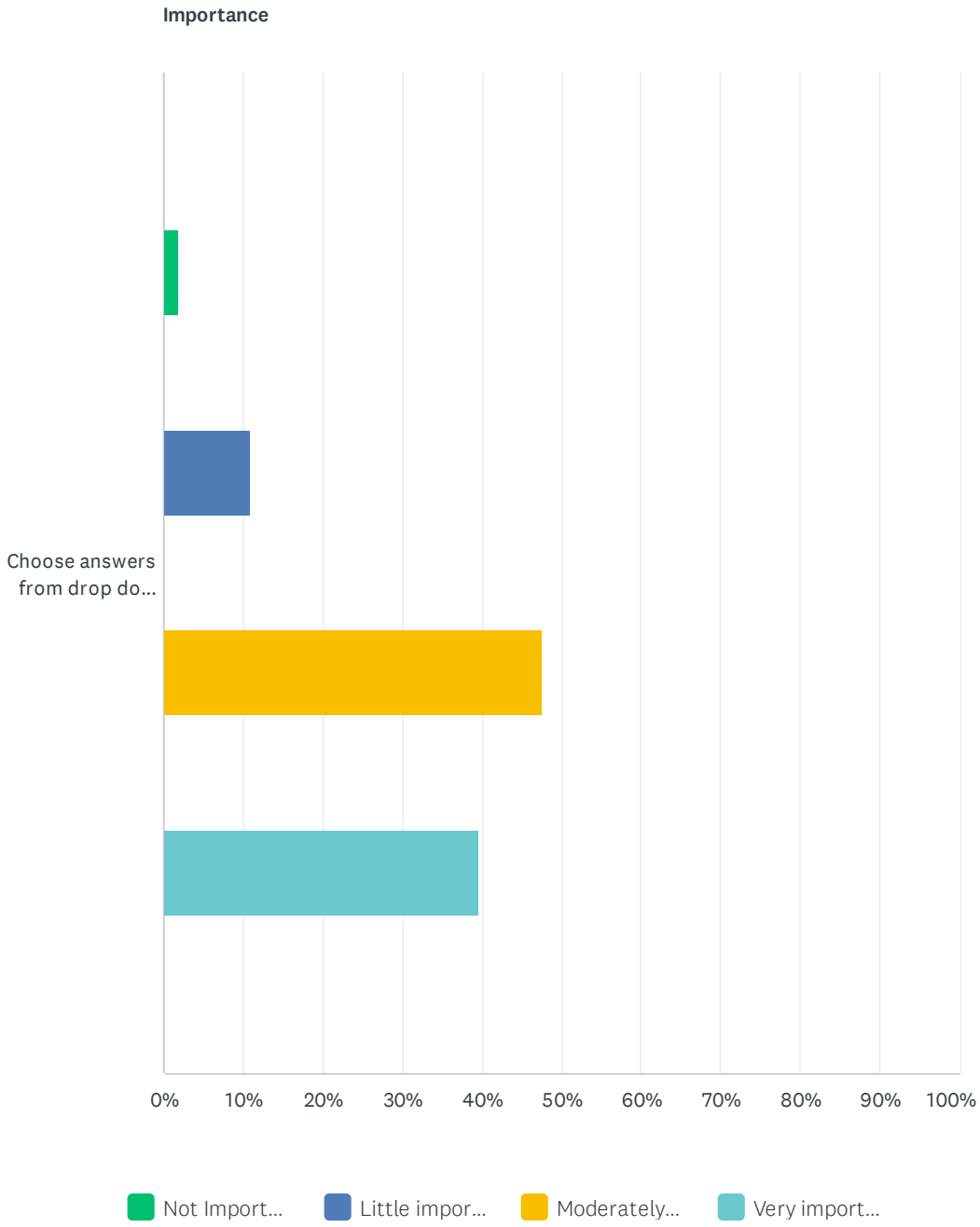
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 9.35%<br>20 | 42.52%<br>91 | 48.13%<br>103 | 214 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 4.27%<br>9 | 18.96%<br>40 | 37.44%<br>79 | 39.34%<br>83 | <br>211 |

# Q195 6.2.20 Thoracic Disc Pathologies (e.g., thoracic disc herniation, thoracic radiculopathy).

Answered: 219 Skipped: 991

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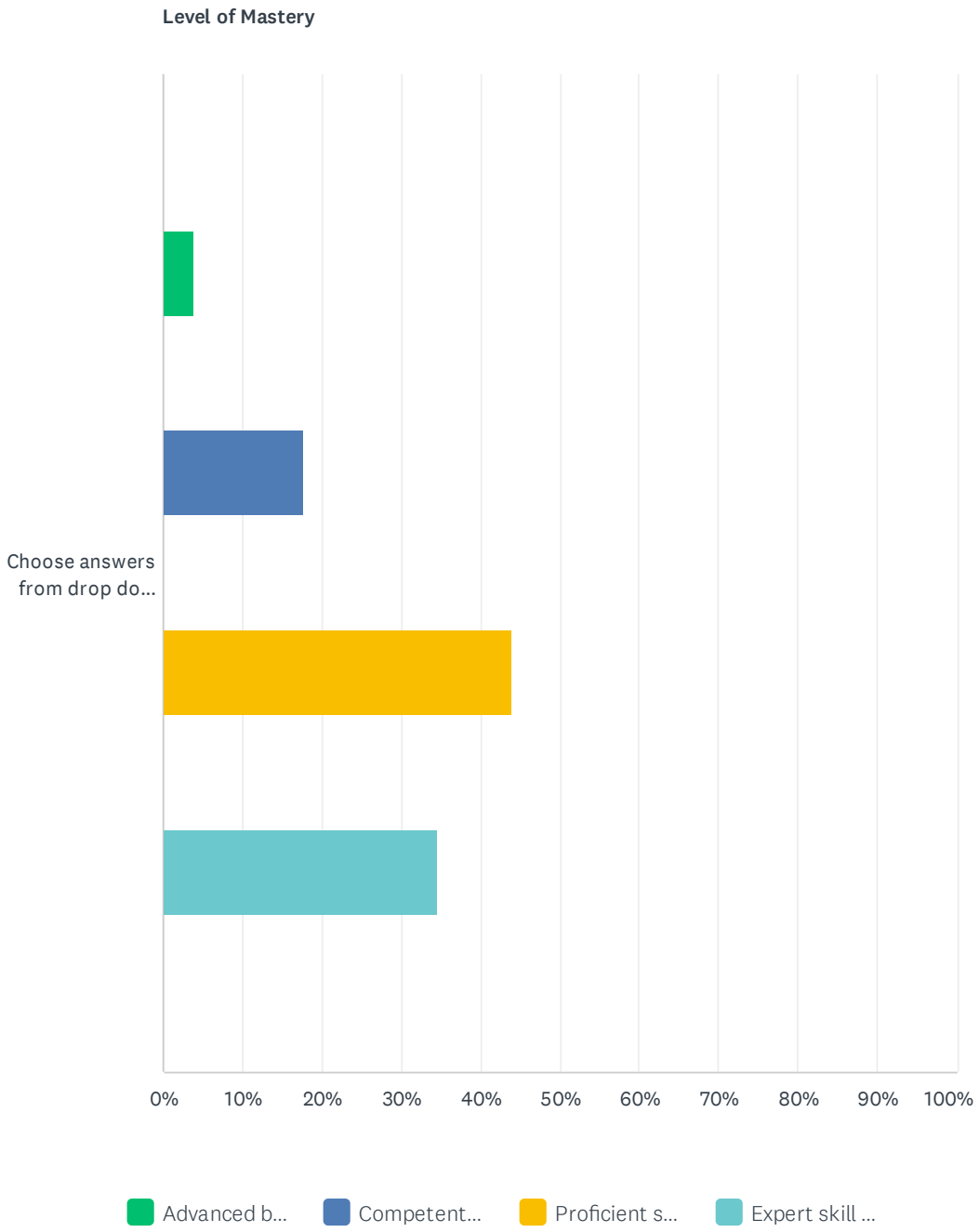


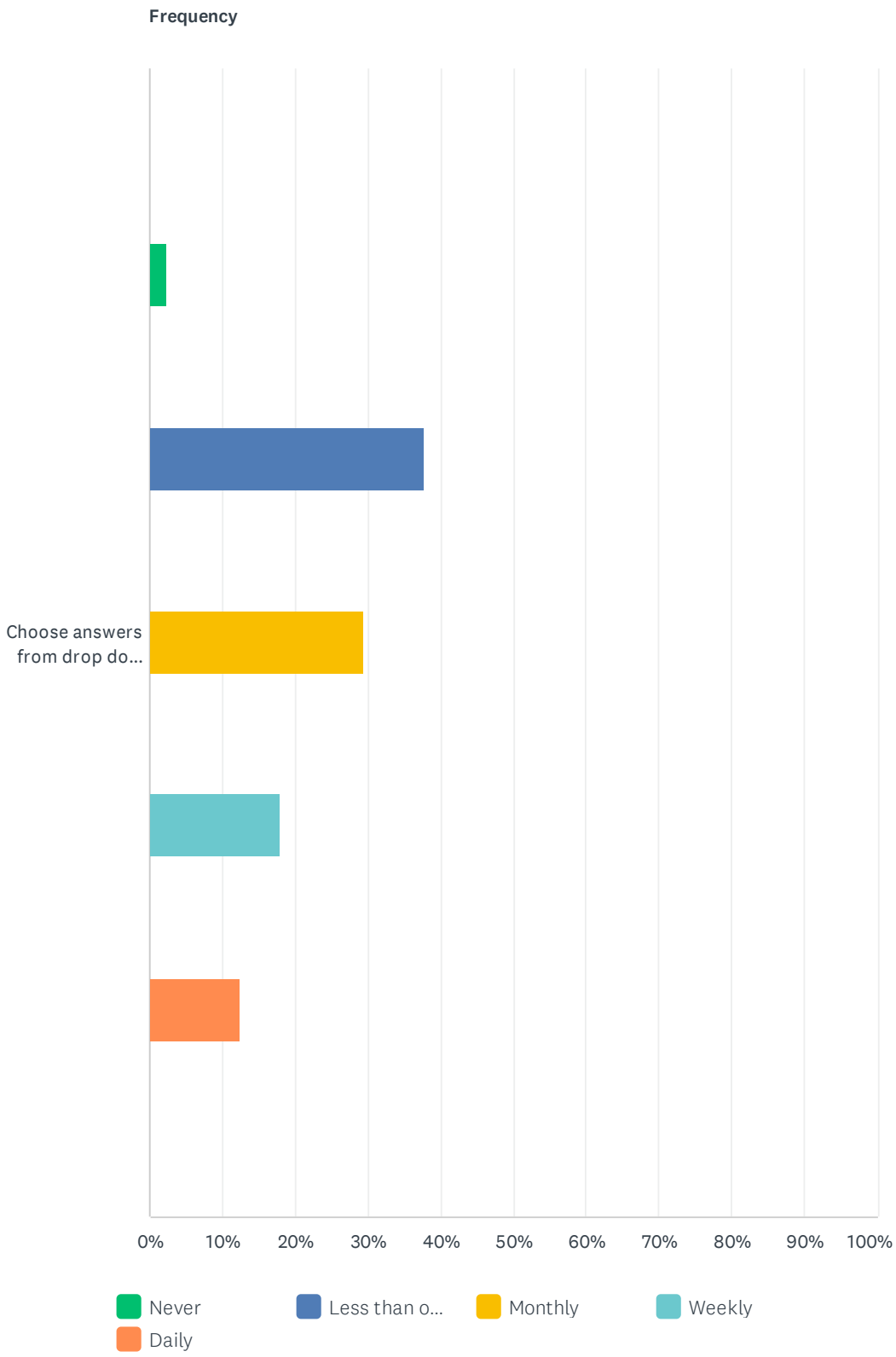

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 6.39%<br>14 | 52.97%<br>116 | 22.37%<br>49 | 11.87%<br>26 | 6.39%<br>14 | 219 |

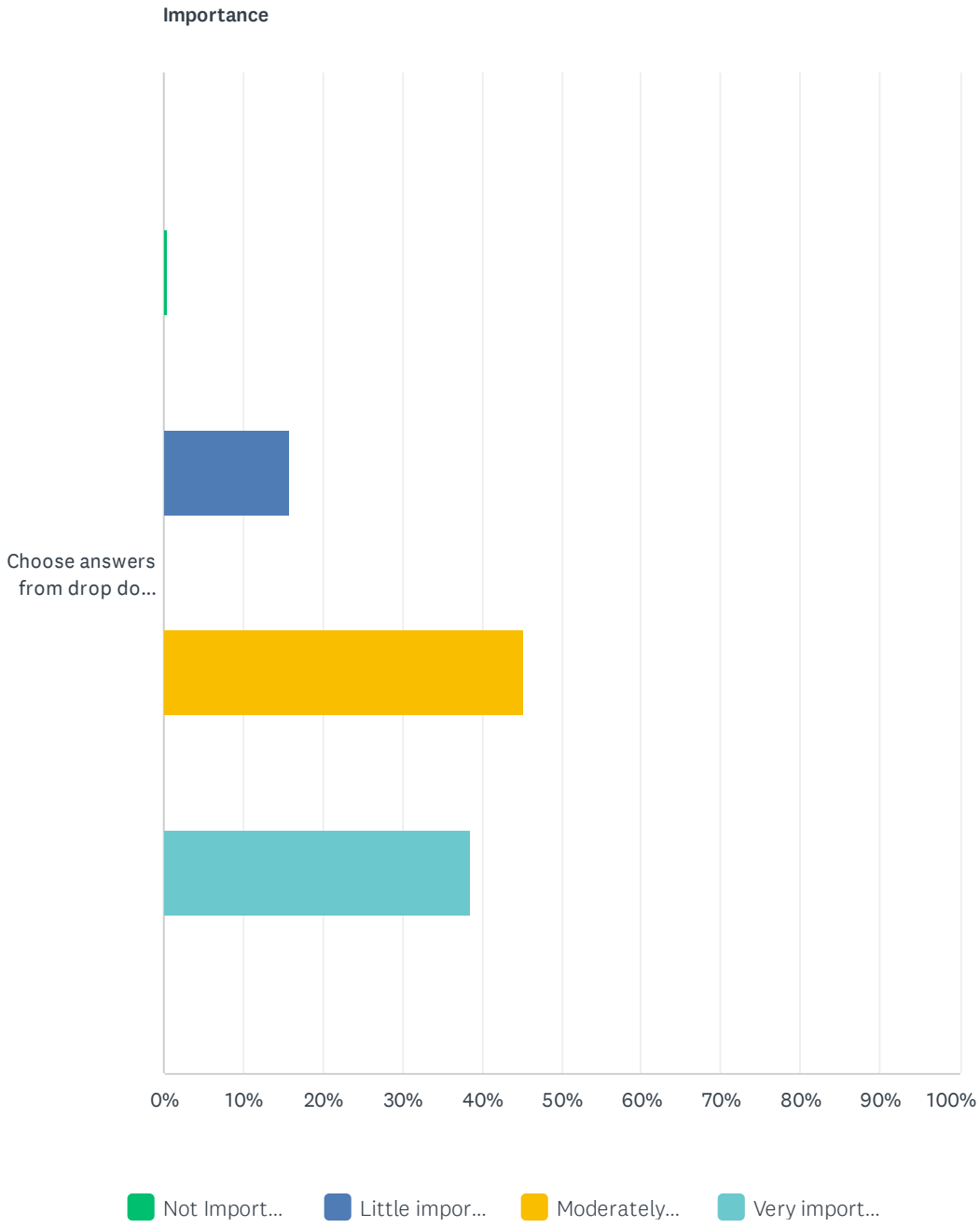
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.89%<br>4 | 10.85%<br>23 | 47.64%<br>101 | 39.62%<br>84 | 212 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 3.83%<br>8 | 17.70%<br>37 | 44.02%<br>92 | 34.45%<br>72 | <br>209 |

# Q196 6.2.21 Other Disorders of the Thoracic Spine.

Answered: 217 Skipped: 993

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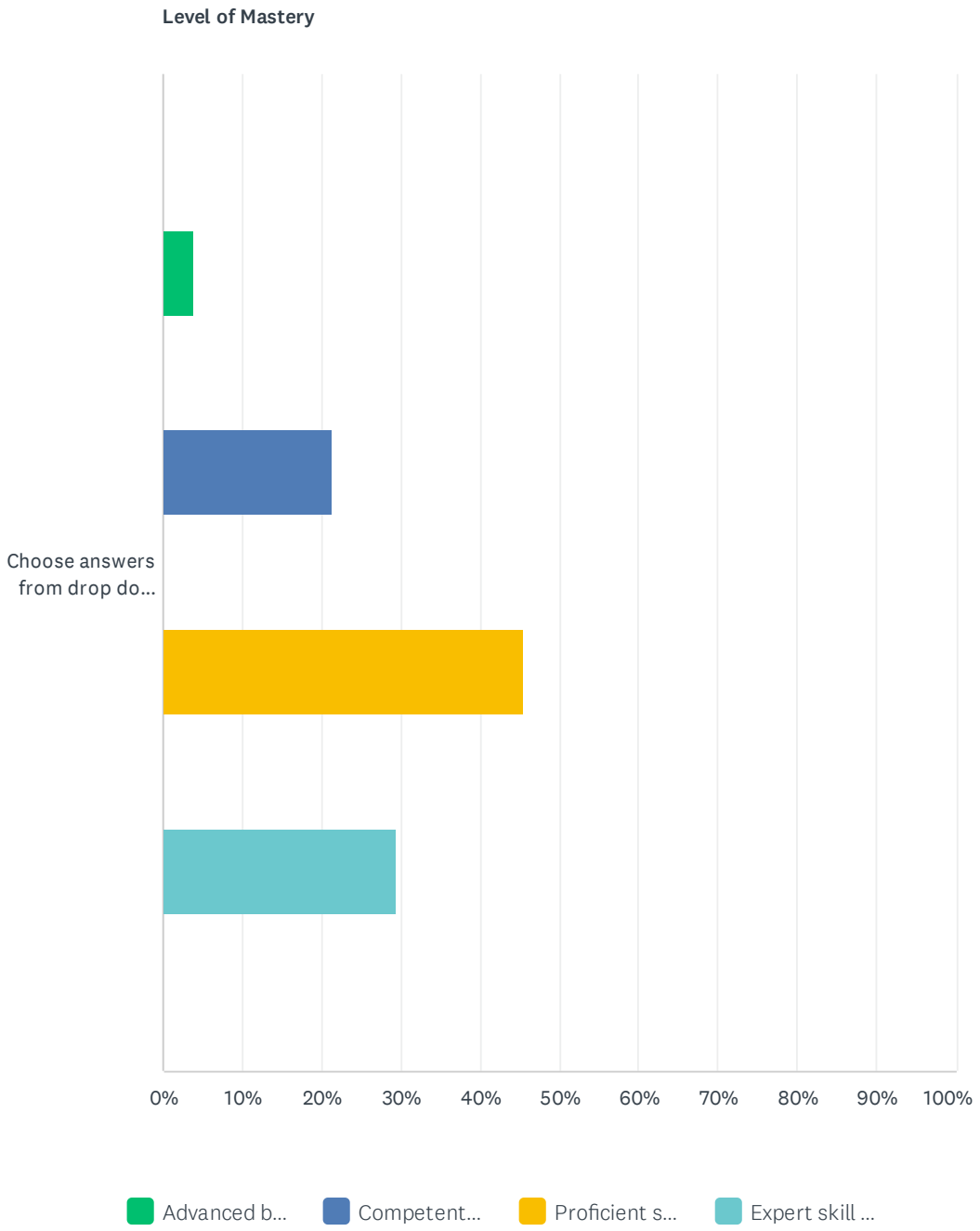


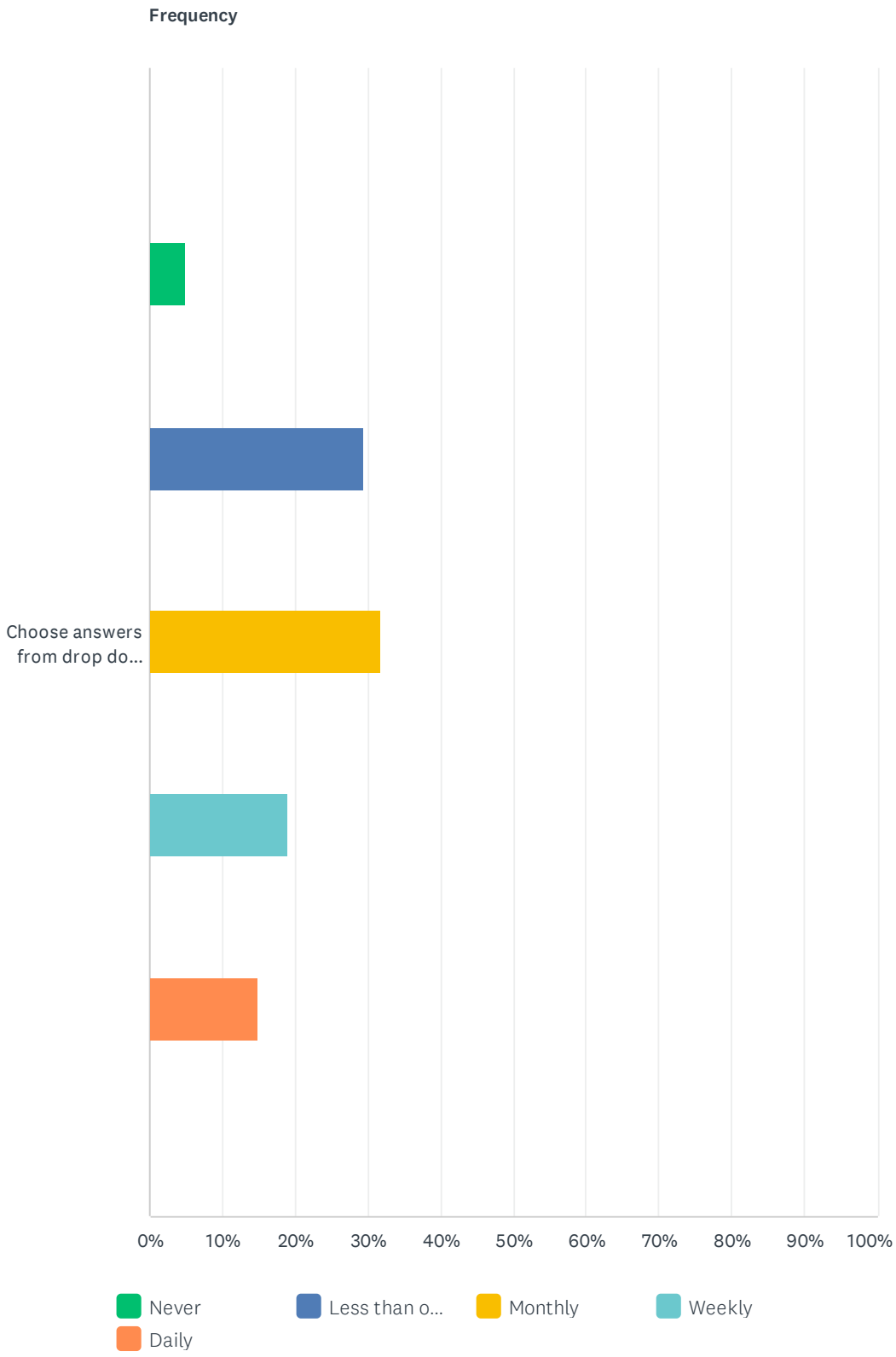

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 2.30%<br>5 | 37.79%<br>82 | 29.49%<br>64 | 17.97%<br>39 | 12.44%<br>27 | 217 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.48%<br>1 | 15.71%<br>33 | 45.24%<br>95 | 38.57%<br>81 | 210 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 3.86%<br>8 | 21.26%<br>44 | 45.41%<br>94 | 29.47%<br>61 | 207 |

# Q197 6.2.22 Curvature of the spine (e.g., adolescent idiopathic scoliosis, congenital muscular scoliosis, pathologic scoliosis, adult idiopathic scoliosis, degenerative scoliosis, kyphosis, lordosis).

Answered: 221 Skipped: 989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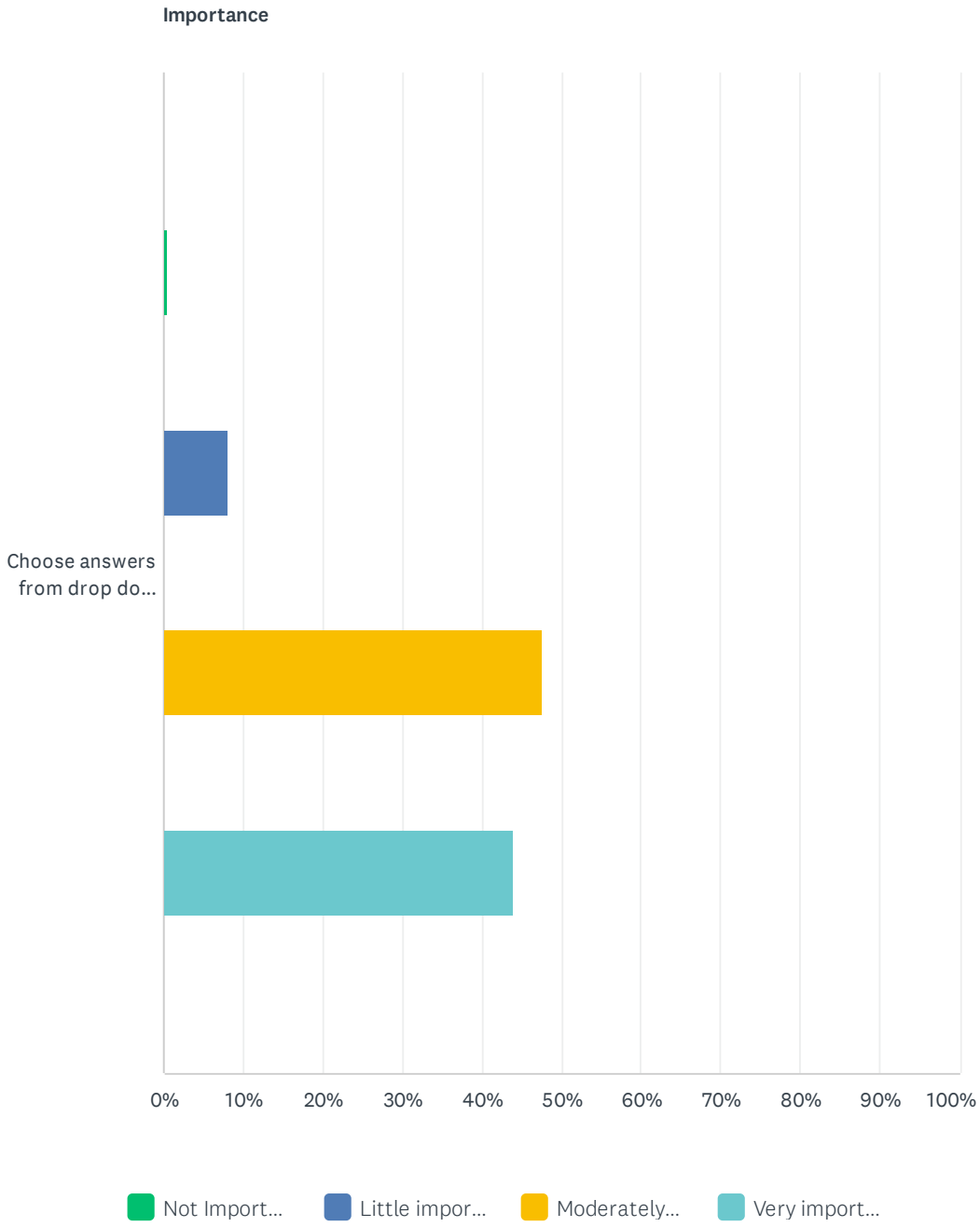
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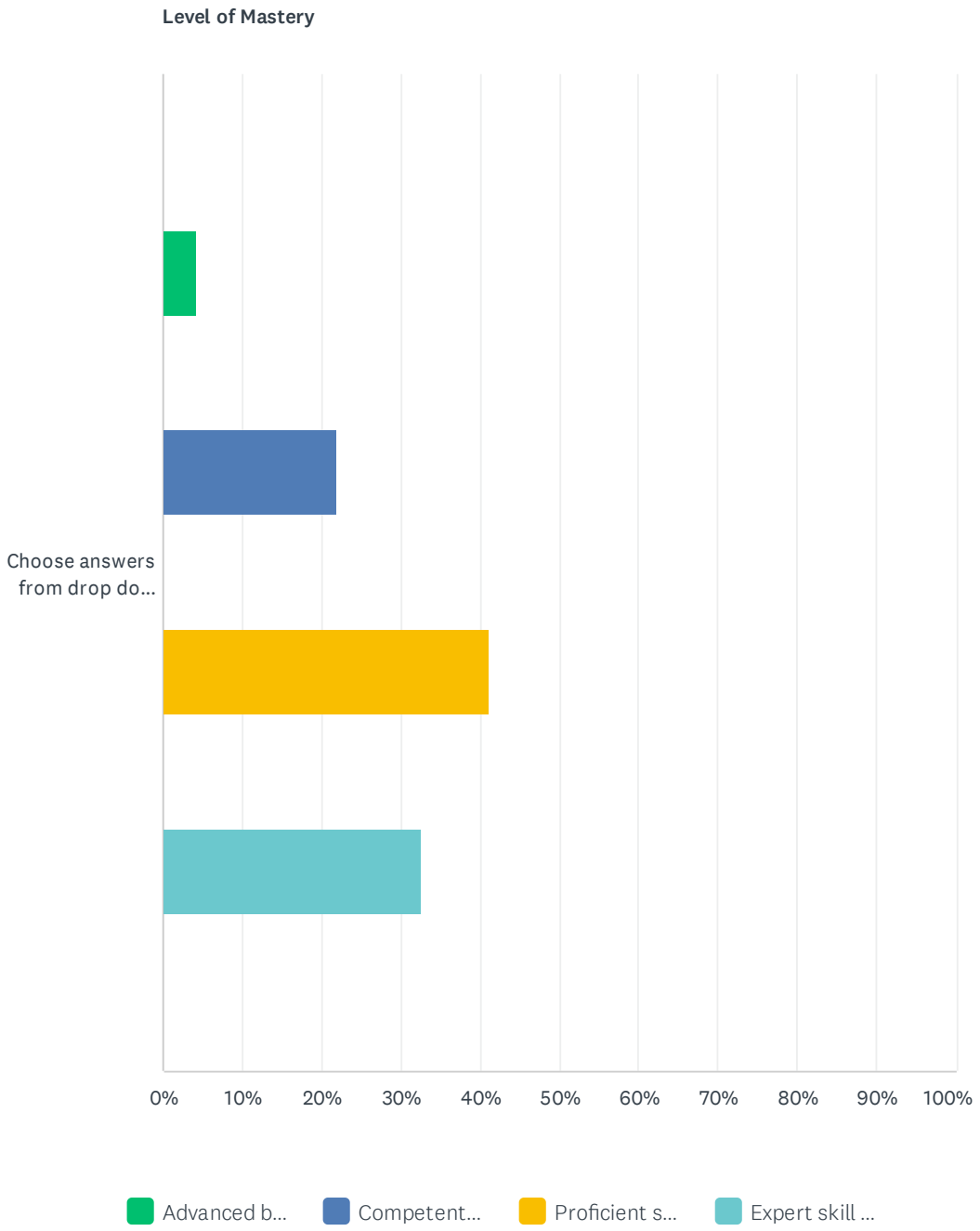


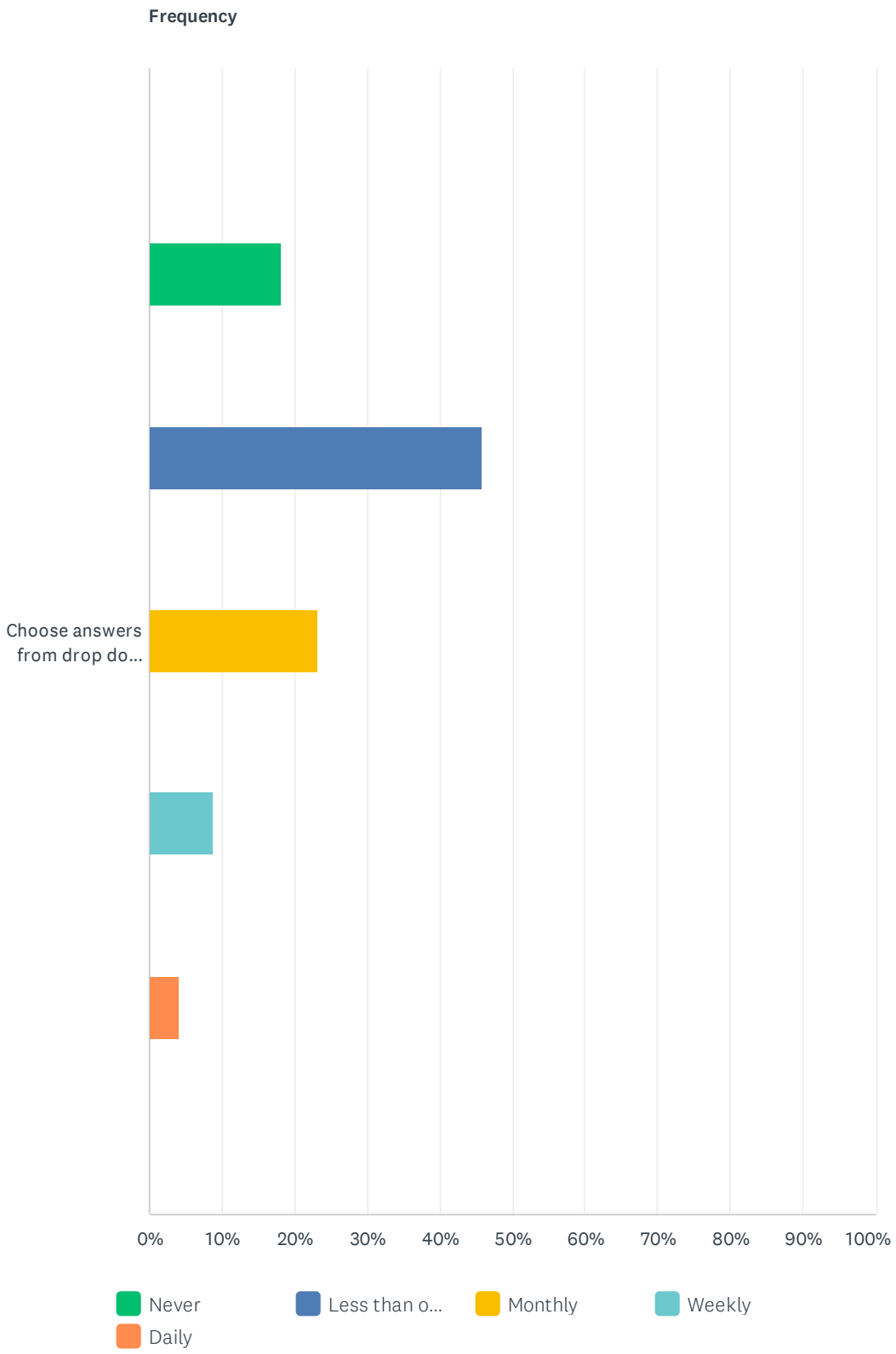

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 4.98%<br>11 | 29.41%<br>65 | 31.67%<br>70 | 19.00%<br>42 | 14.93%<br>33 | 221 |

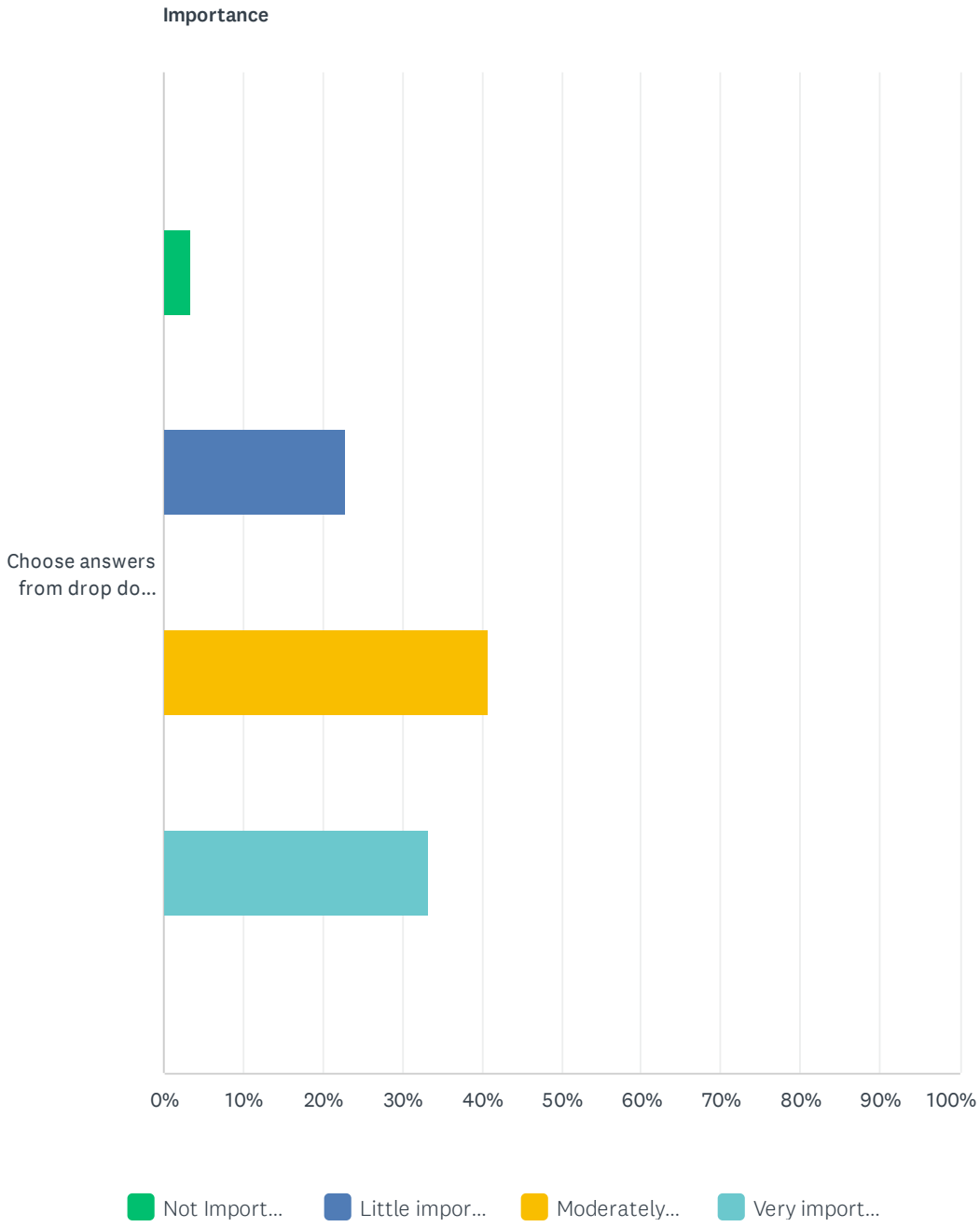
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.47%<br>1 | 8.02%<br>17 | 47.64%<br>101 | 43.87%<br>93 | 212 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 4.31%<br>9 | 22.01%<br>46 | 41.15%<br>86 | 32.54%<br>68 | 209 |

# Q198 6.2.23 Diastasis recti.

Answered: 220 Skipped: 990

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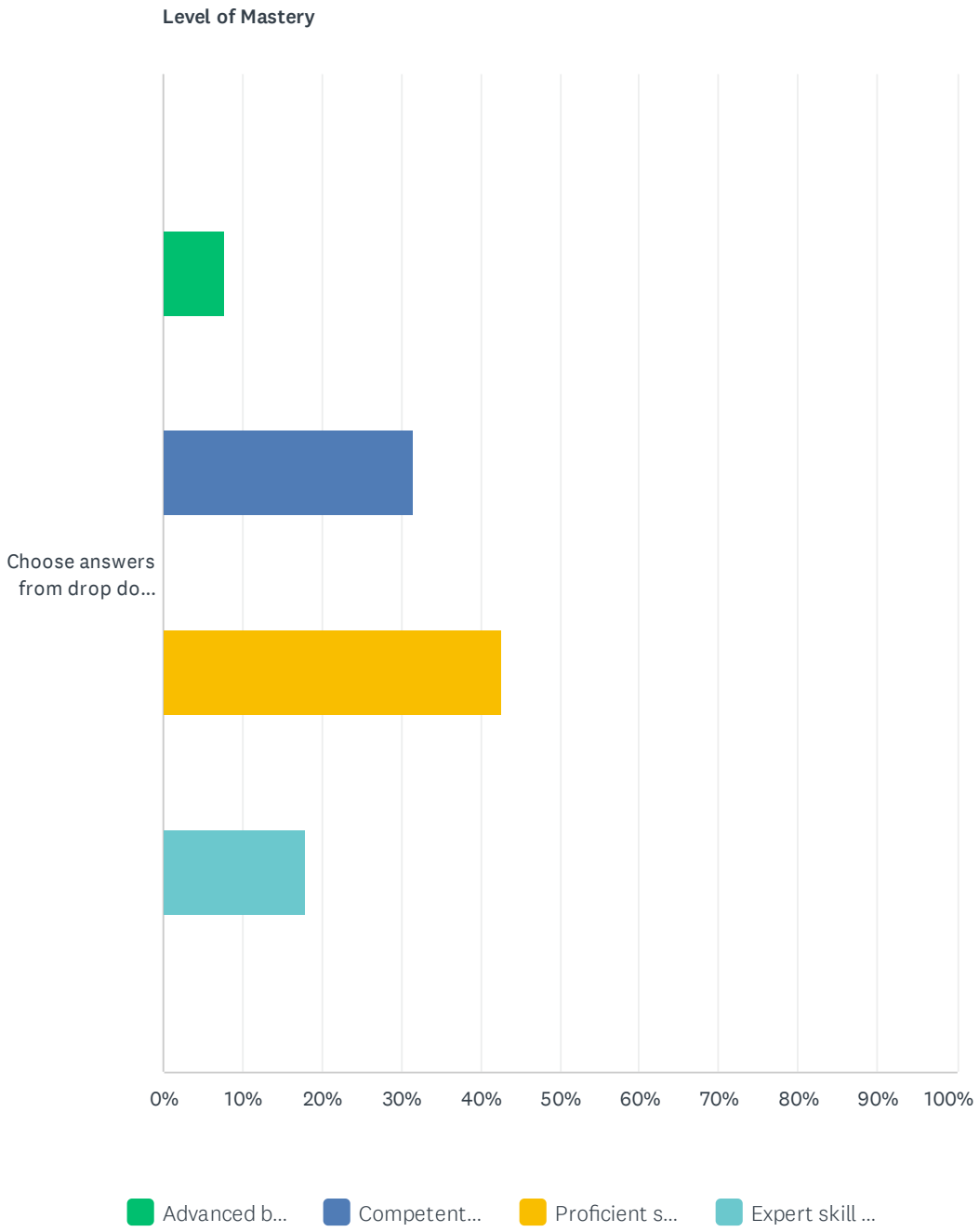


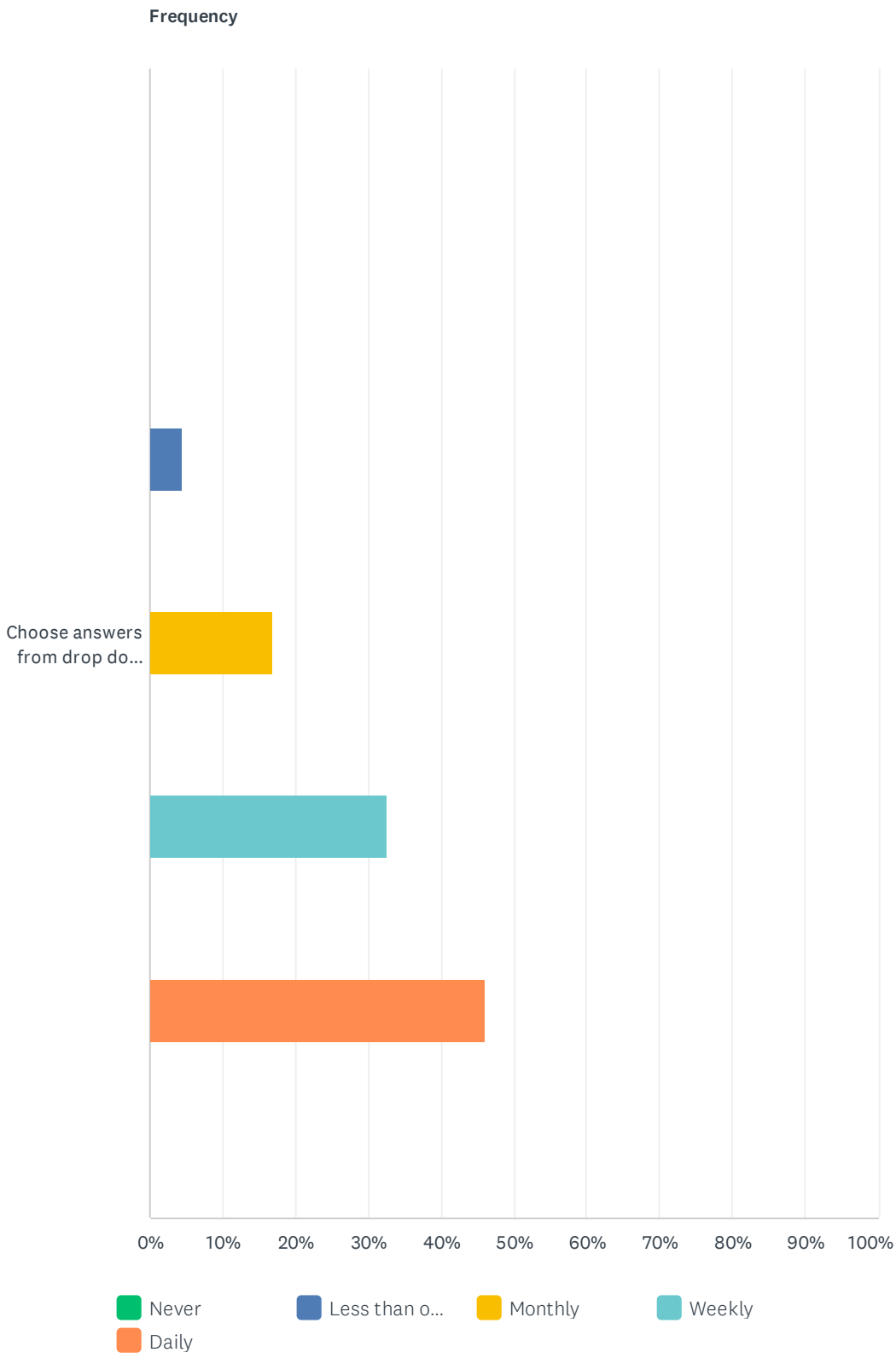

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 18.18%<br>40 | 45.91%<br>101 | 23.18%<br>51 | 8.64%<br>19 | 4.09%<br>9 | 220 |

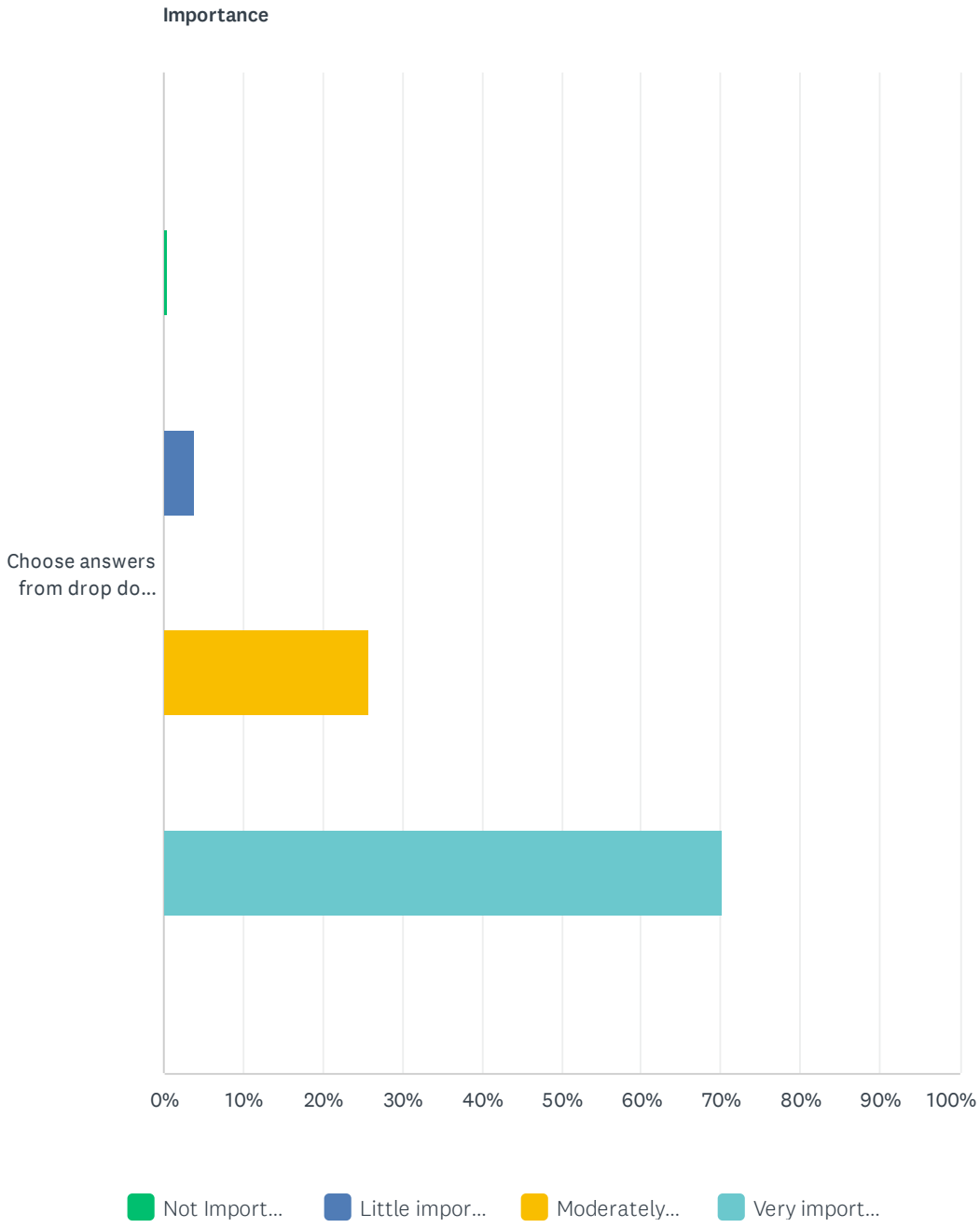
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 3.32%<br>7 | 22.75%<br>48 | 40.76%<br>86 | 33.18%<br>70 | 211 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 7.77%<br>16 | 31.55%<br>65 | 42.72%<br>88 | 17.96%<br>37 | <br>206 |

# Q199 6.2.24 Facet dysfunction (cervical, thoracic, lumbar).

Answered: 221 Skipped: 989

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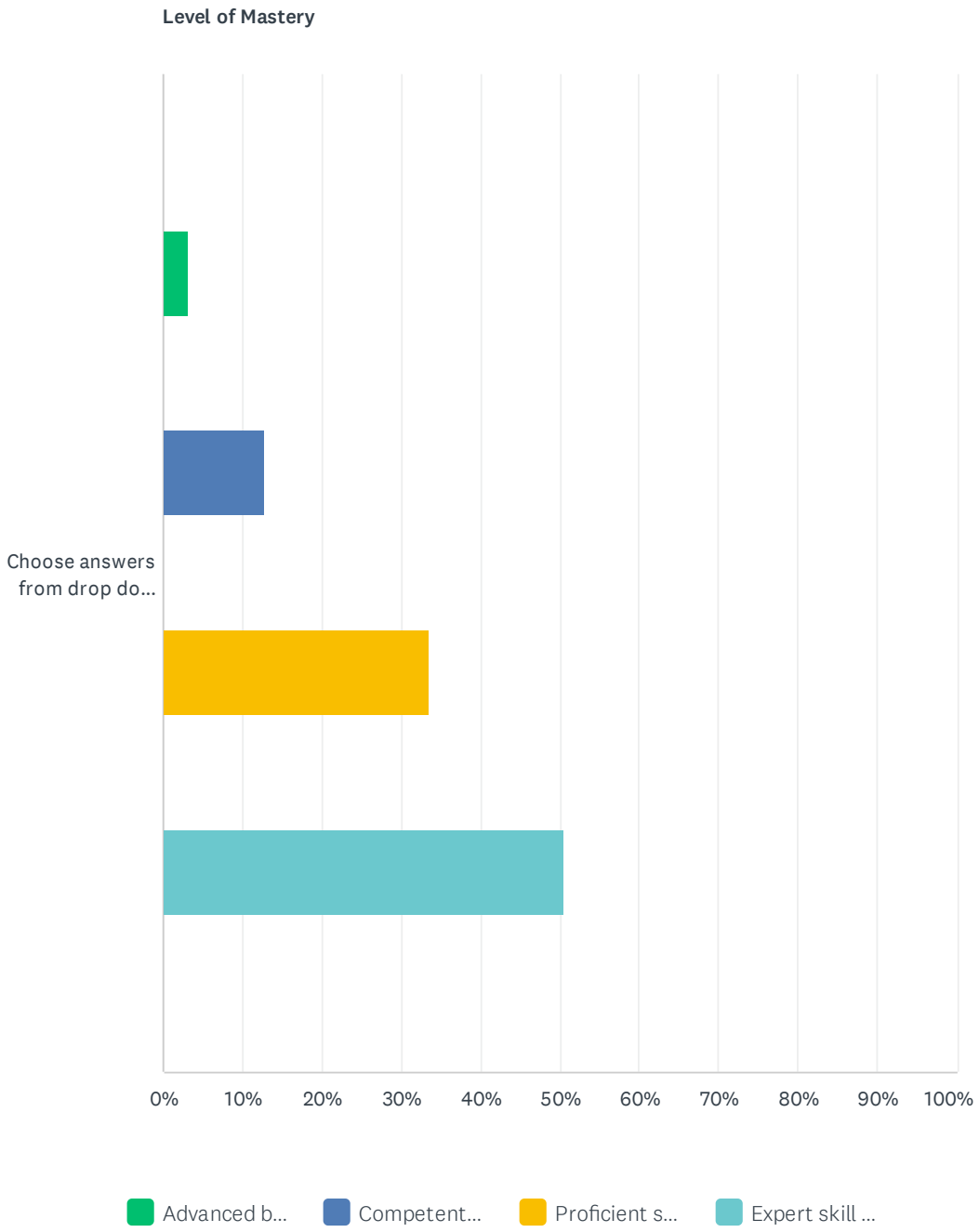


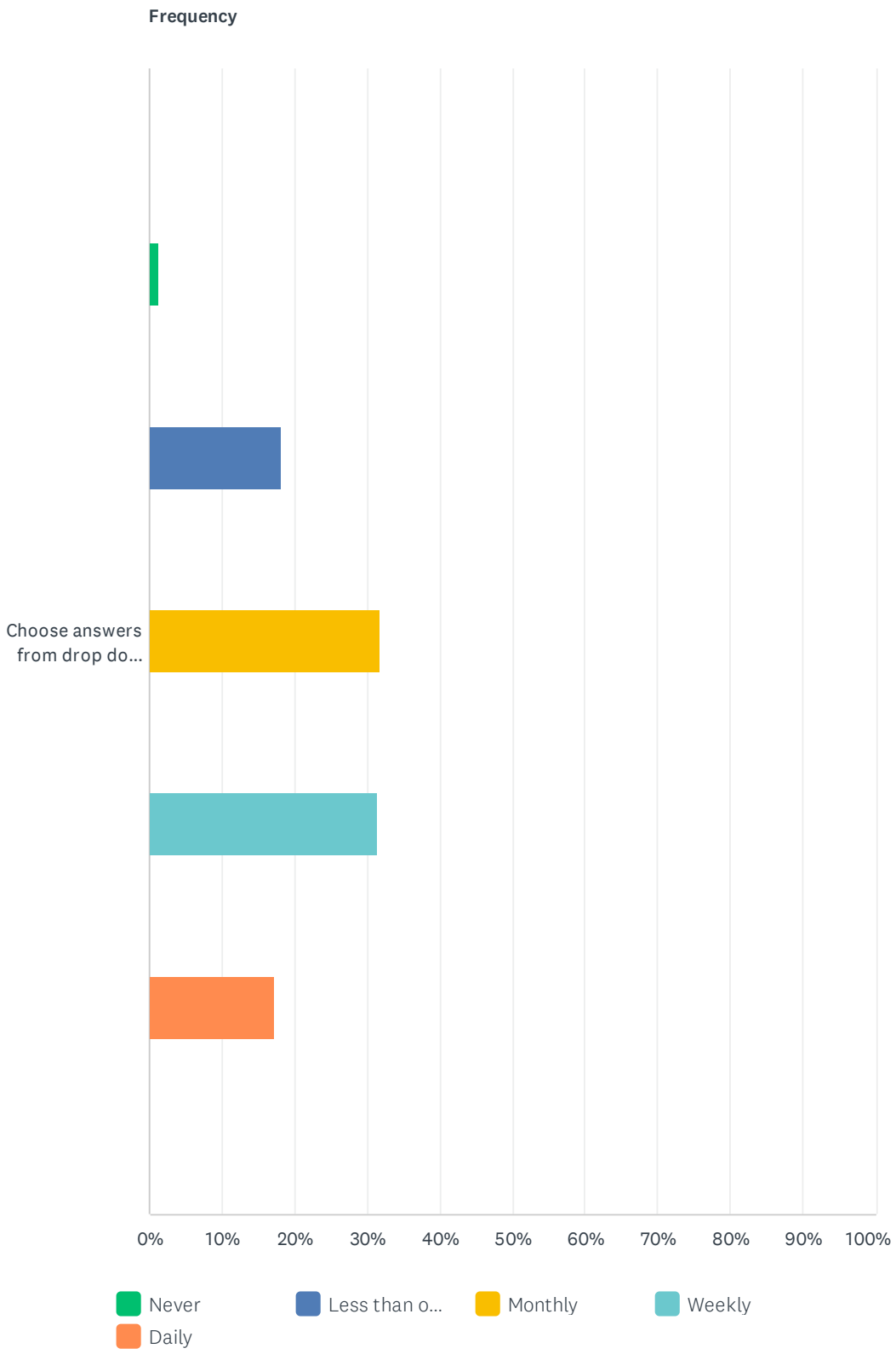

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 4.52%<br>10 | 16.74%<br>37 | 32.58%<br>72 | 46.15%<br>102 | 221 |

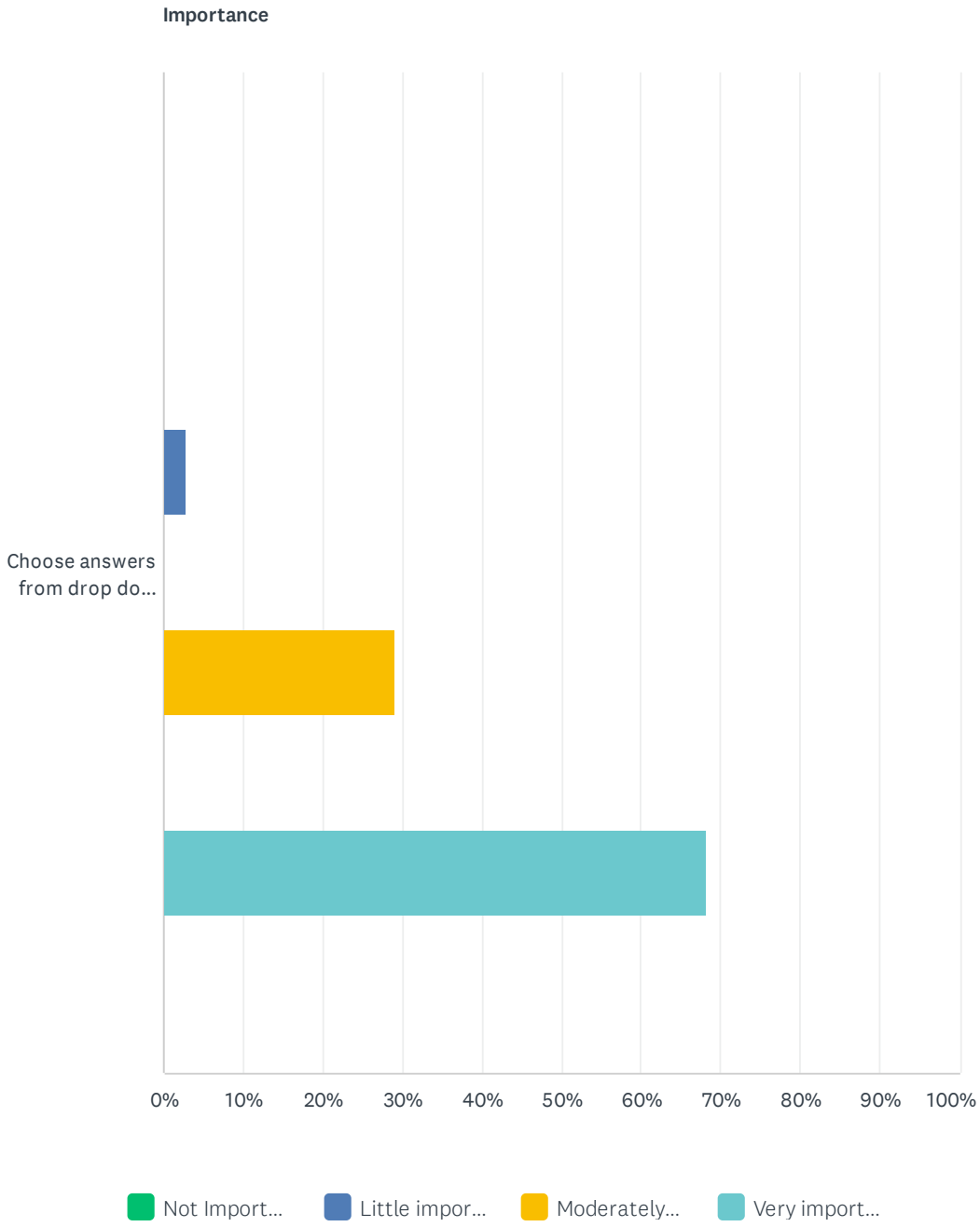
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.47%<br>1 | 3.74%<br>8 | 25.70%<br>55 | 70.09%<br>150 | 214 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 3.30%<br>7 | 12.74%<br>27 | 33.49%<br>71 | 50.47%<br>107 | <br>212 |

# Q200 6.2.25 Operative procedure on spinal structure.

Answered: 220 Skipped: 990

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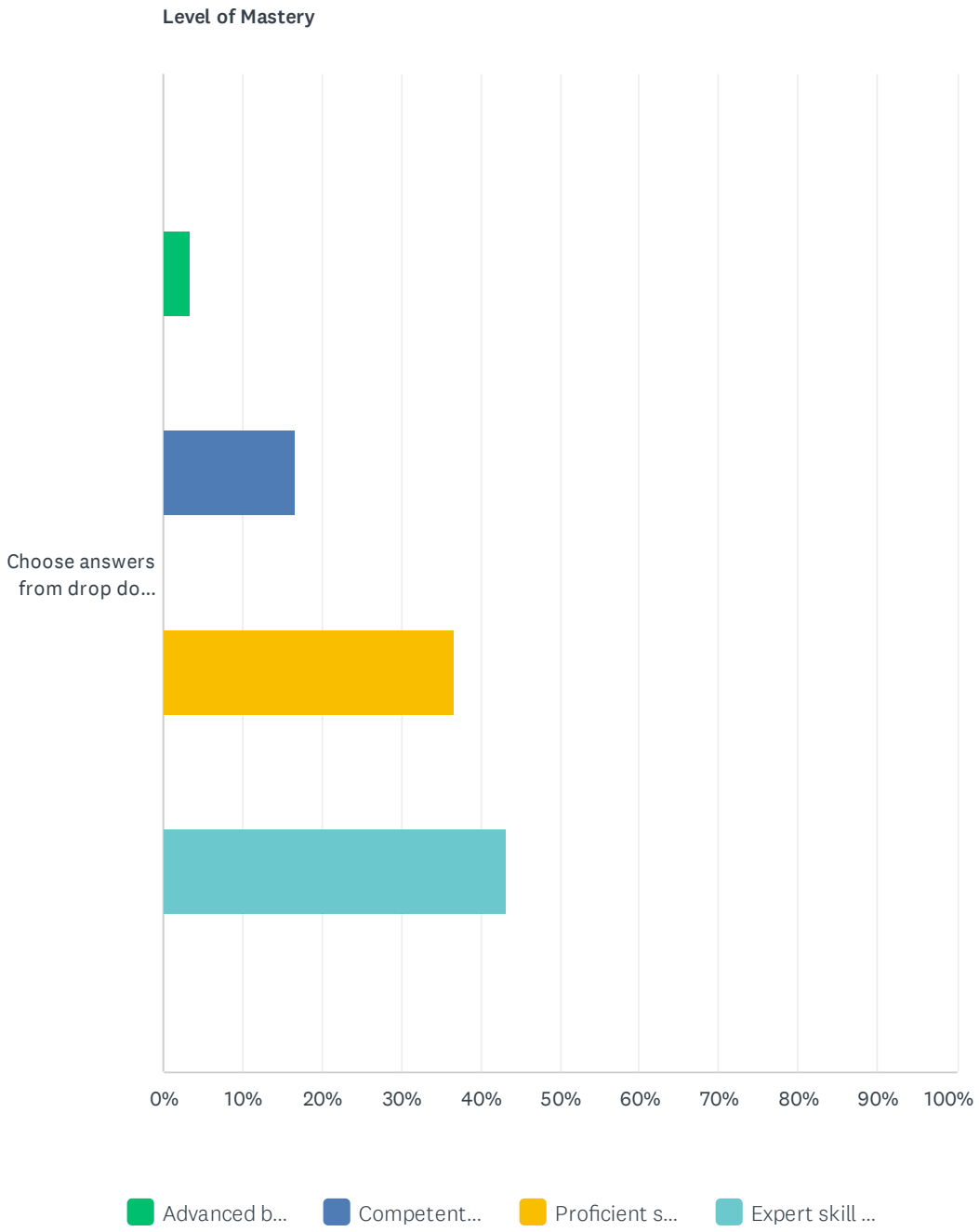


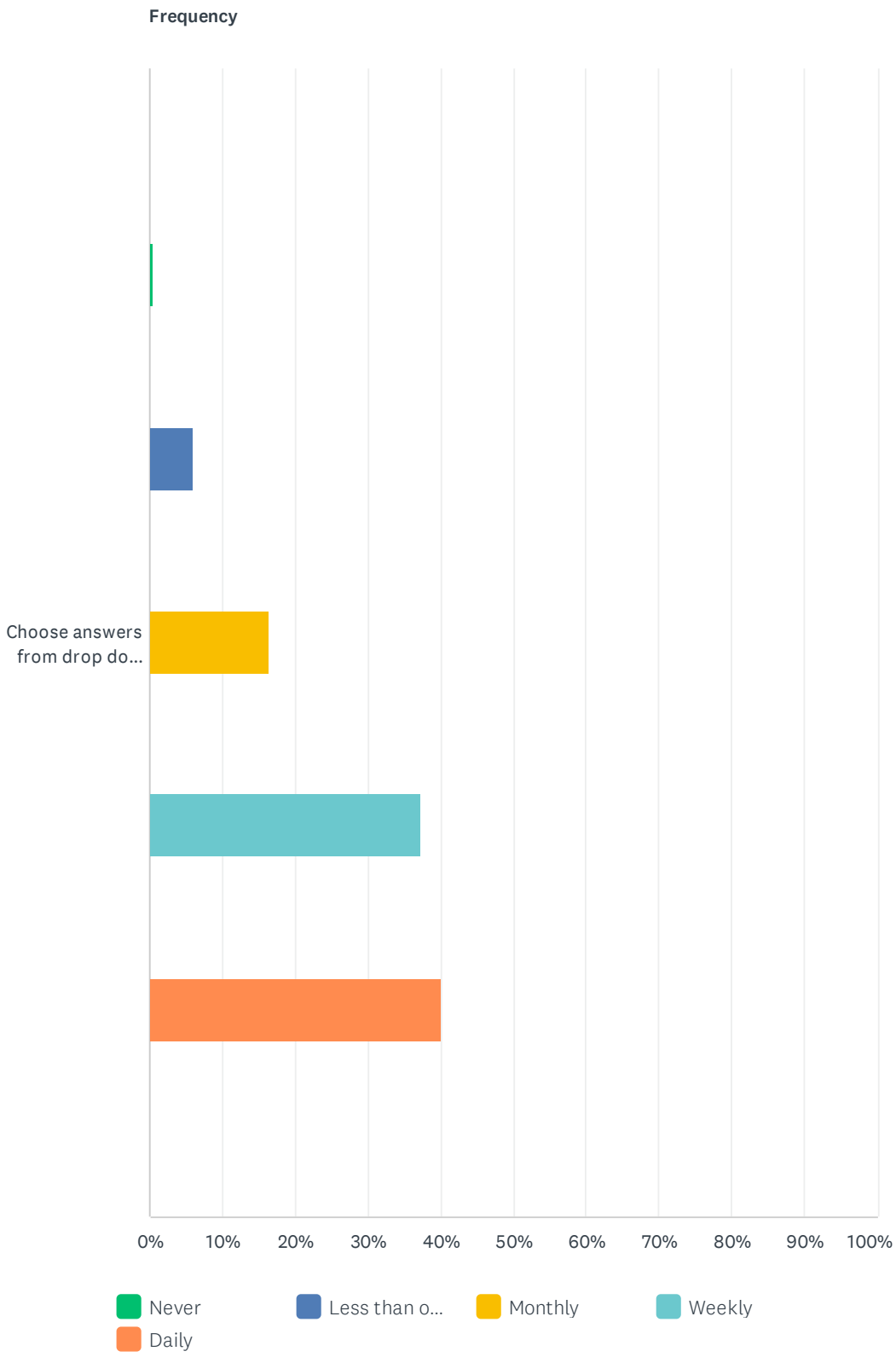

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 1.36%<br>3 | 18.18%<br>40 | 31.82%<br>70 | 31.36%<br>69 | 17.27%<br>38 | 220 |

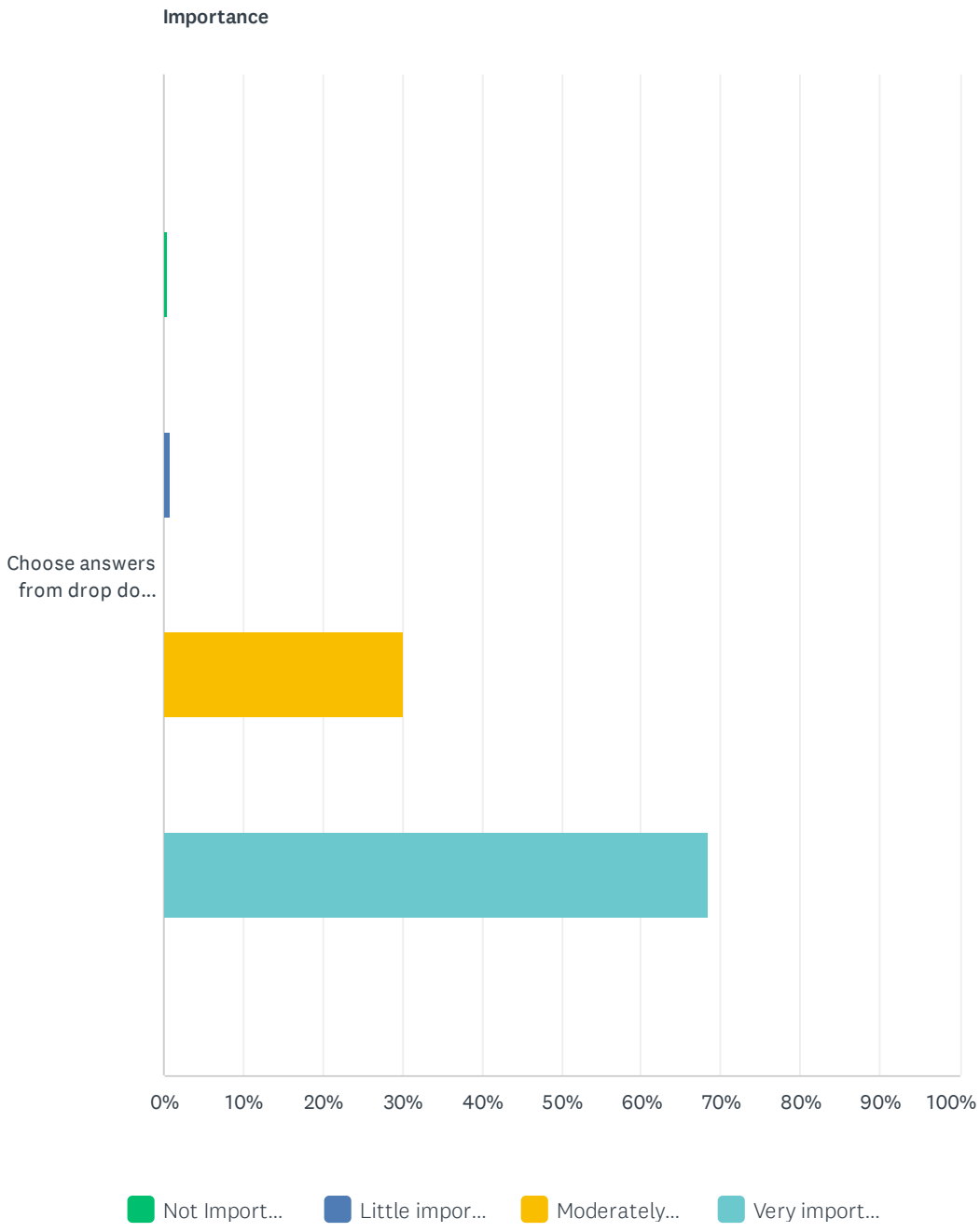
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.00%<br>0 | 2.80%<br>6 | 28.97%<br>62 | 68.22%<br>146 | 214 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 3.33%<br>7 | 16.67%<br>35 | 36.67%<br>77 | 43.33%<br>91 | <br>210 |

# Q201 6.2.26 Spinal stenosis.

Answered: 220 Skipped: 990

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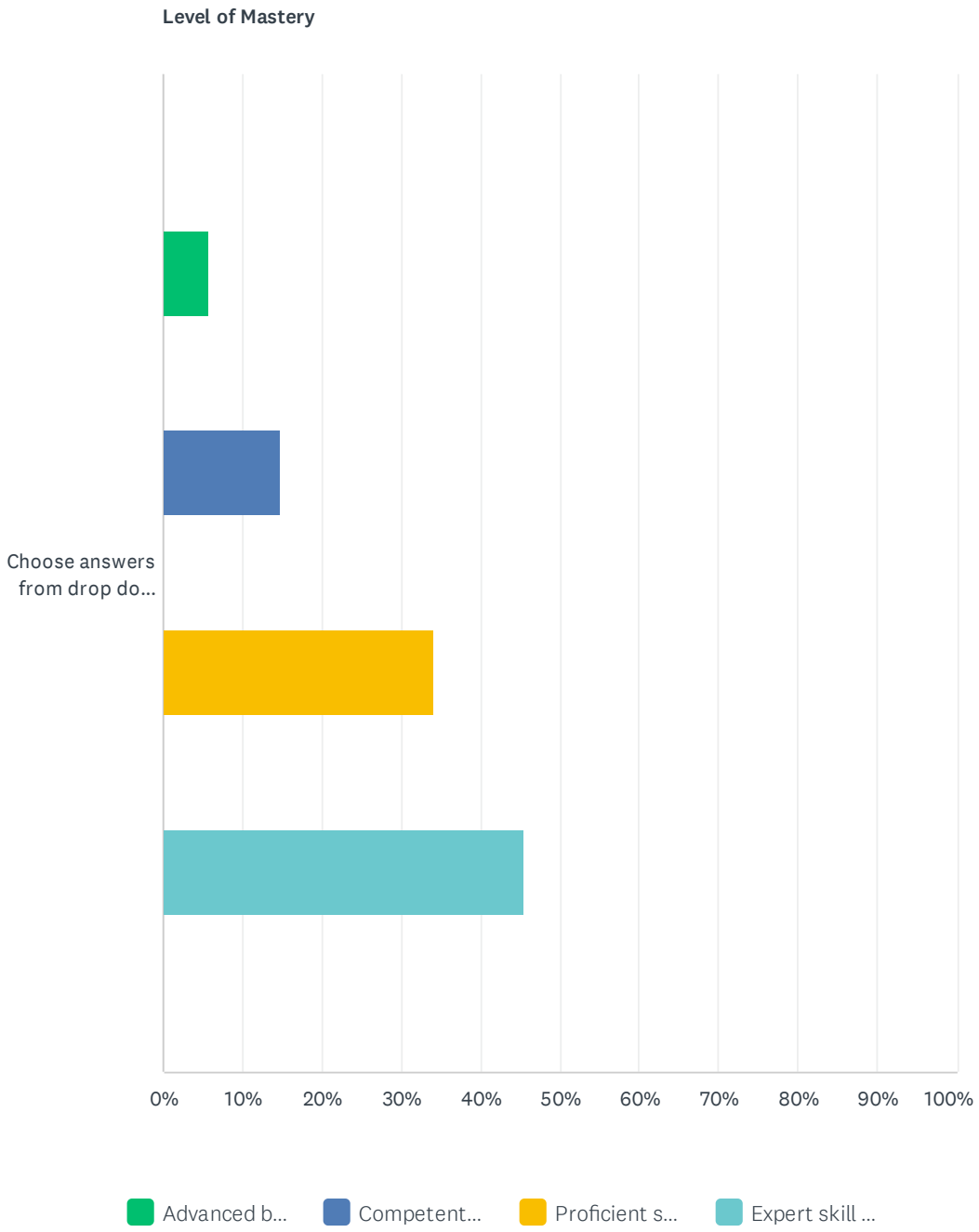


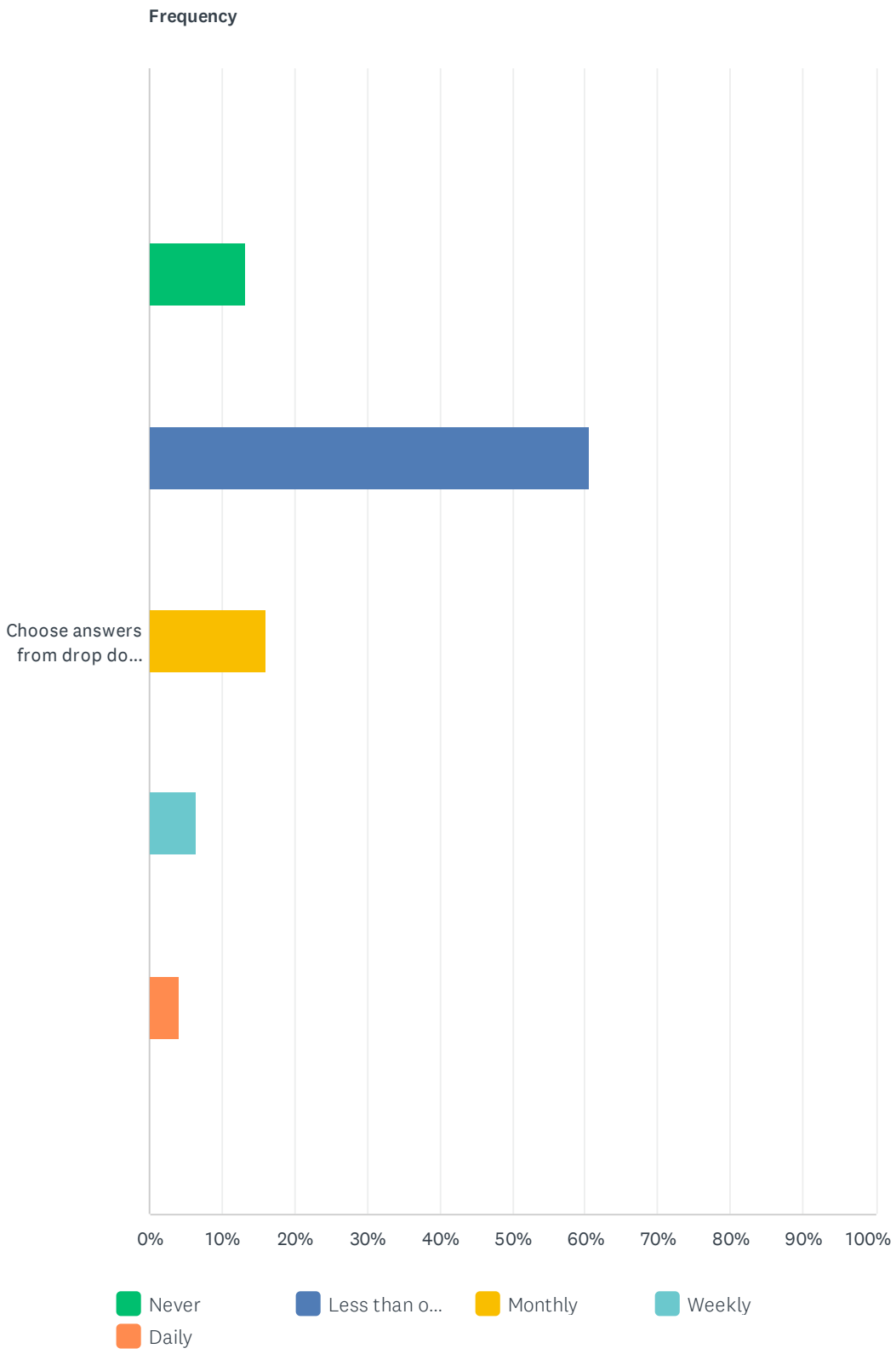

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 0.45%<br>1 | 5.91%<br>13 | 16.36%<br>36 | 37.27%<br>82 | 40.00%<br>88 | 220 |

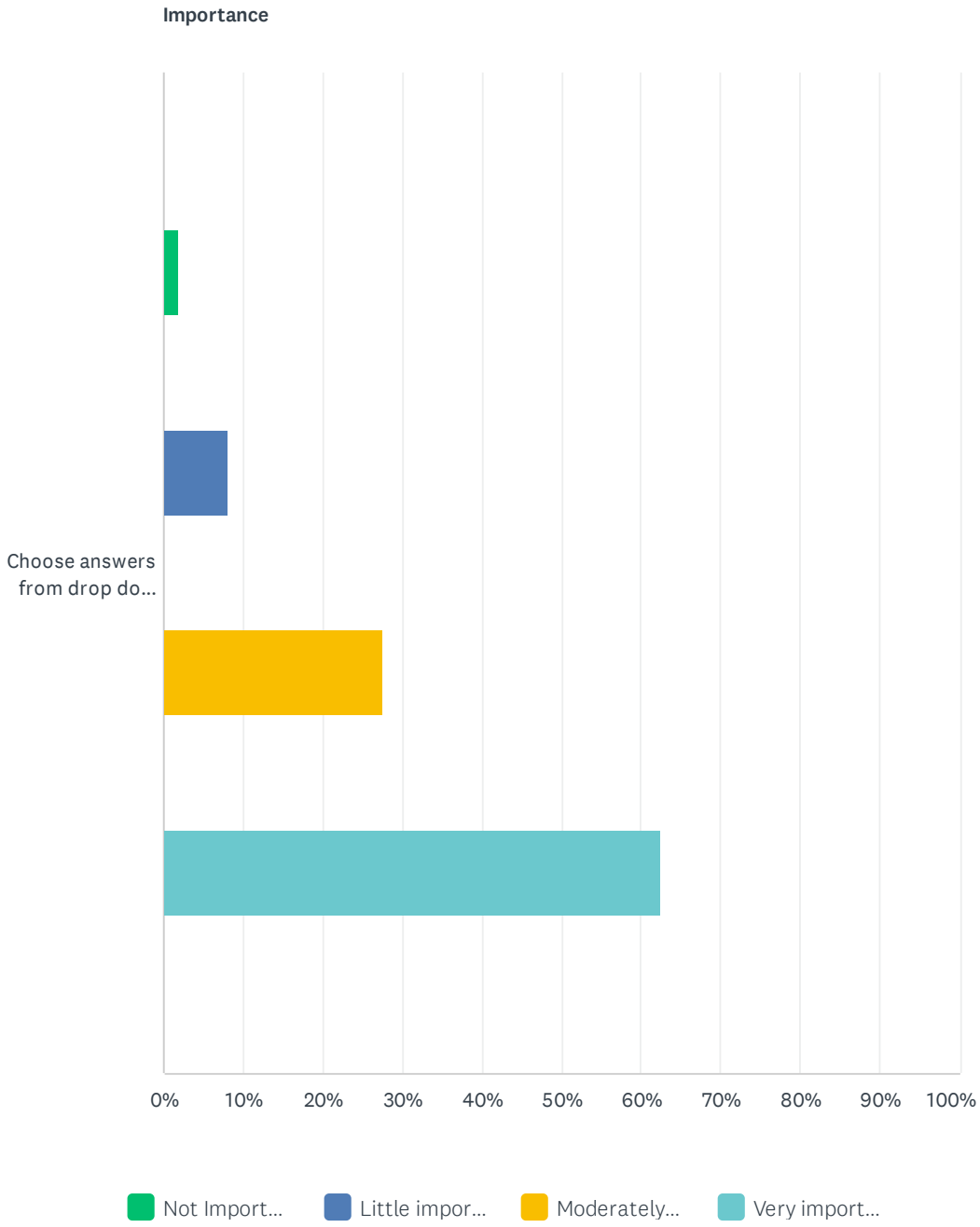
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 0.47%<br>1 | 0.94%<br>2 | 30.05%<br>64 | 68.54%<br>146 | 213 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 5.69%<br>12 | 14.69%<br>31 | 34.12%<br>72 | 45.50%<br>96 | <br>211 |

# Q202 6.2.27 Oncological Disorders (e.g., tumor, spine metastases, etc.).

Answered: 220 Skipped: 990

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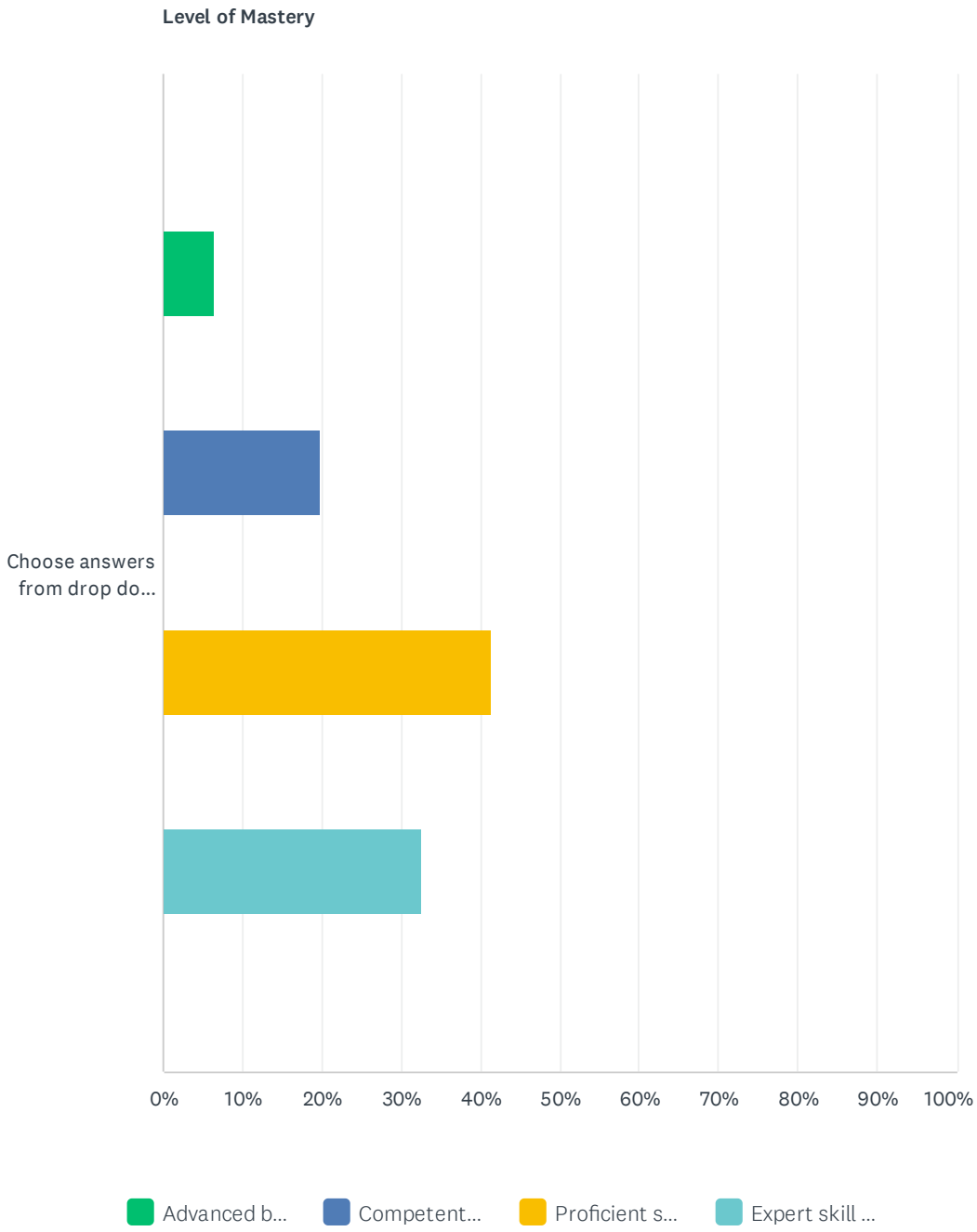


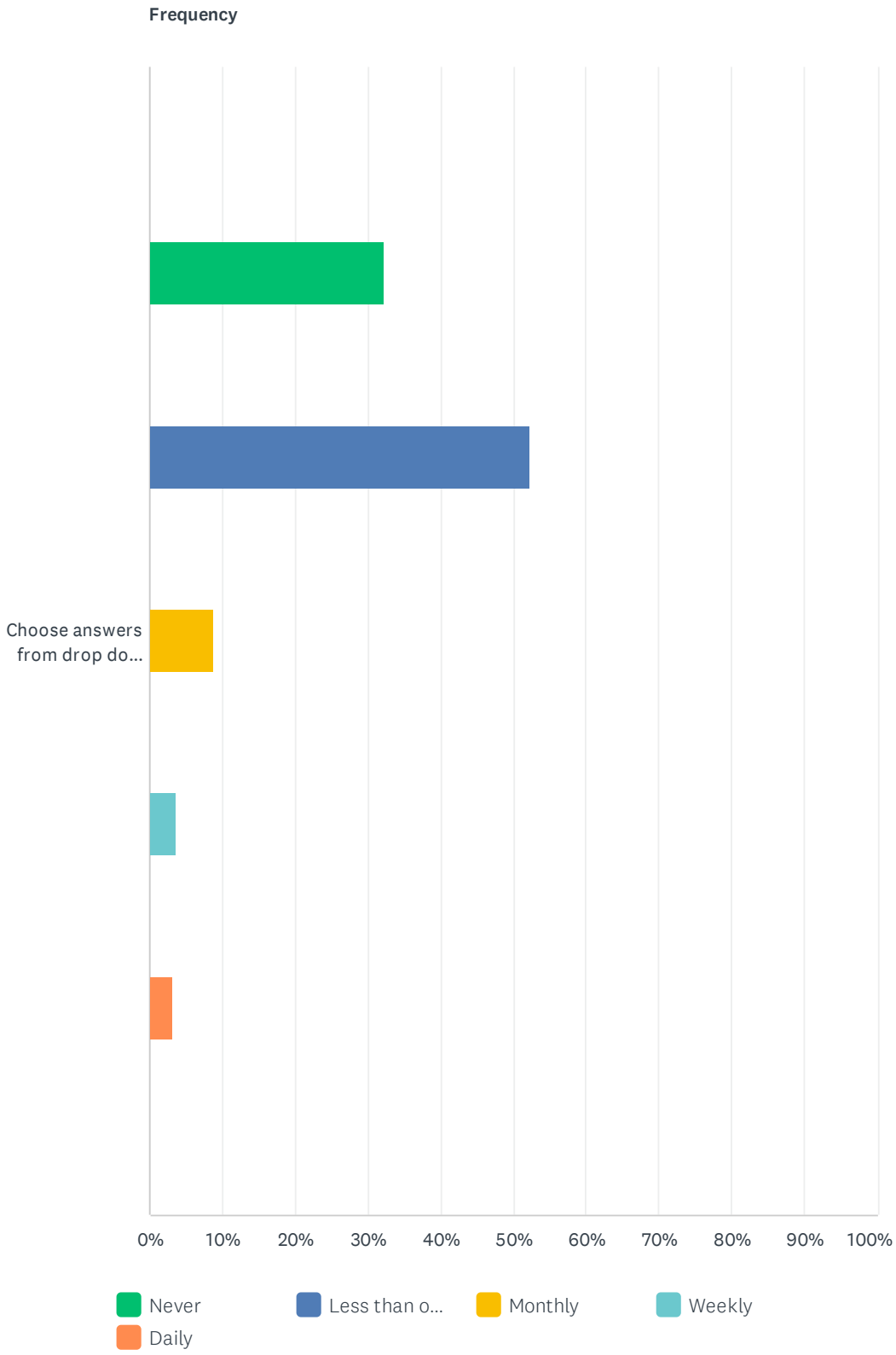

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 13.18%<br>29 | 60.45%<br>133 | 15.91%<br>35 | 6.36%<br>14 | 4.09%<br>9 | 220 |

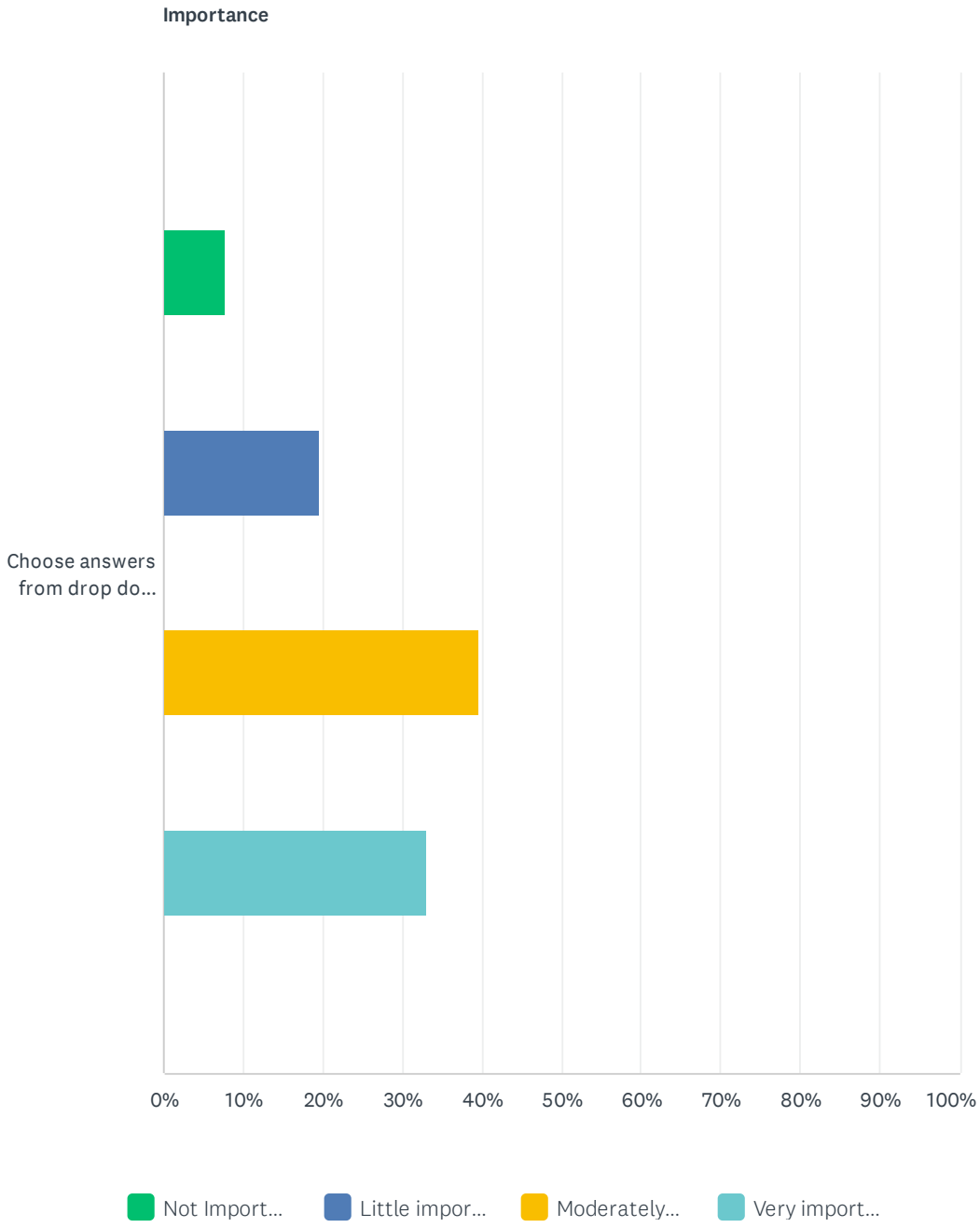
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 1.92%<br>4 | 8.17%<br>17 | 27.40%<br>57 | 62.50%<br>130 | 208 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 6.31%<br>13 | 19.90%<br>41 | 41.26%<br>85 | 32.52%<br>67 | <br>206 |

# Q203 6.2.28 Torticollis (e.g., atlanto axial rotary displacement, congenital muscular torticollis).

Answered: 220 Skipped: 990

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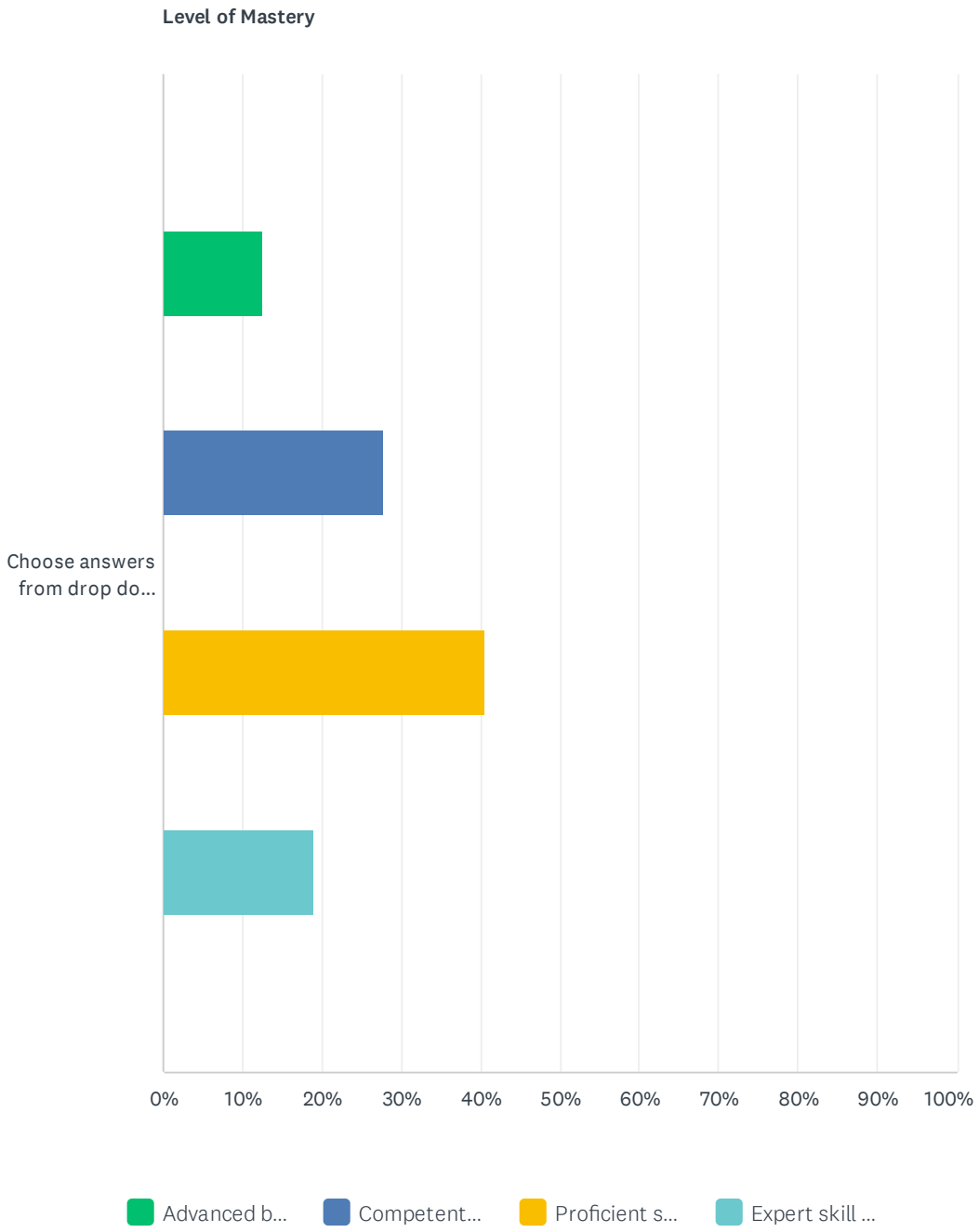


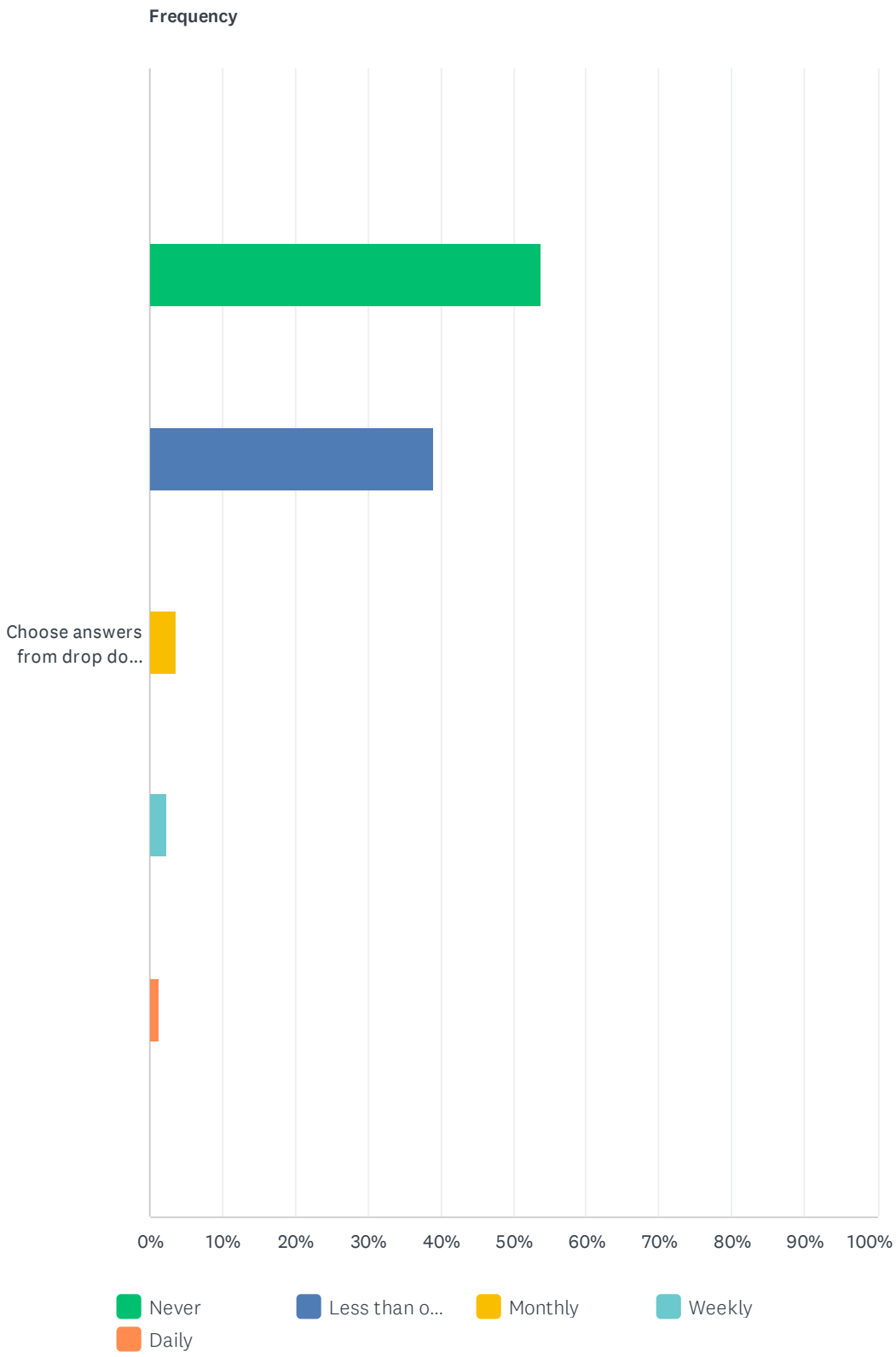

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 32.27%<br>71 | 52.27%<br>115 | 8.64%<br>19 | 3.64%<br>8 | 3.18%<br>7 | 220 |

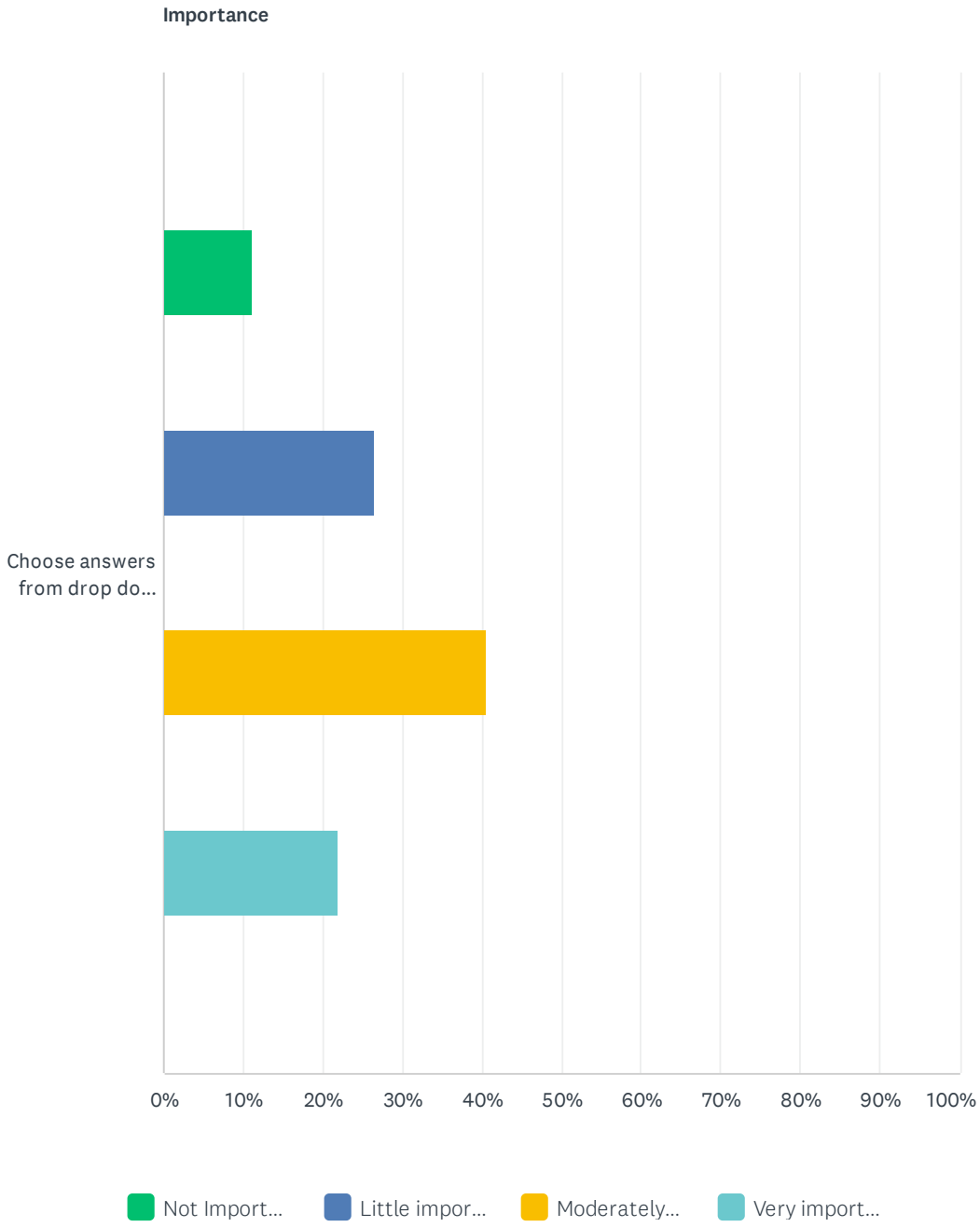
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 7.66%<br>16 | 19.62%<br>41 | 39.71%<br>83 | 33.01%<br>69 | 209 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 12.68%<br>26 | 27.80%<br>57 | 40.49%<br>83 | 19.02%<br>39 | <br>205 |

# Q204 6.2.29 Klippel-Feil Syndrome.

Answered: 220 Skipped: 990

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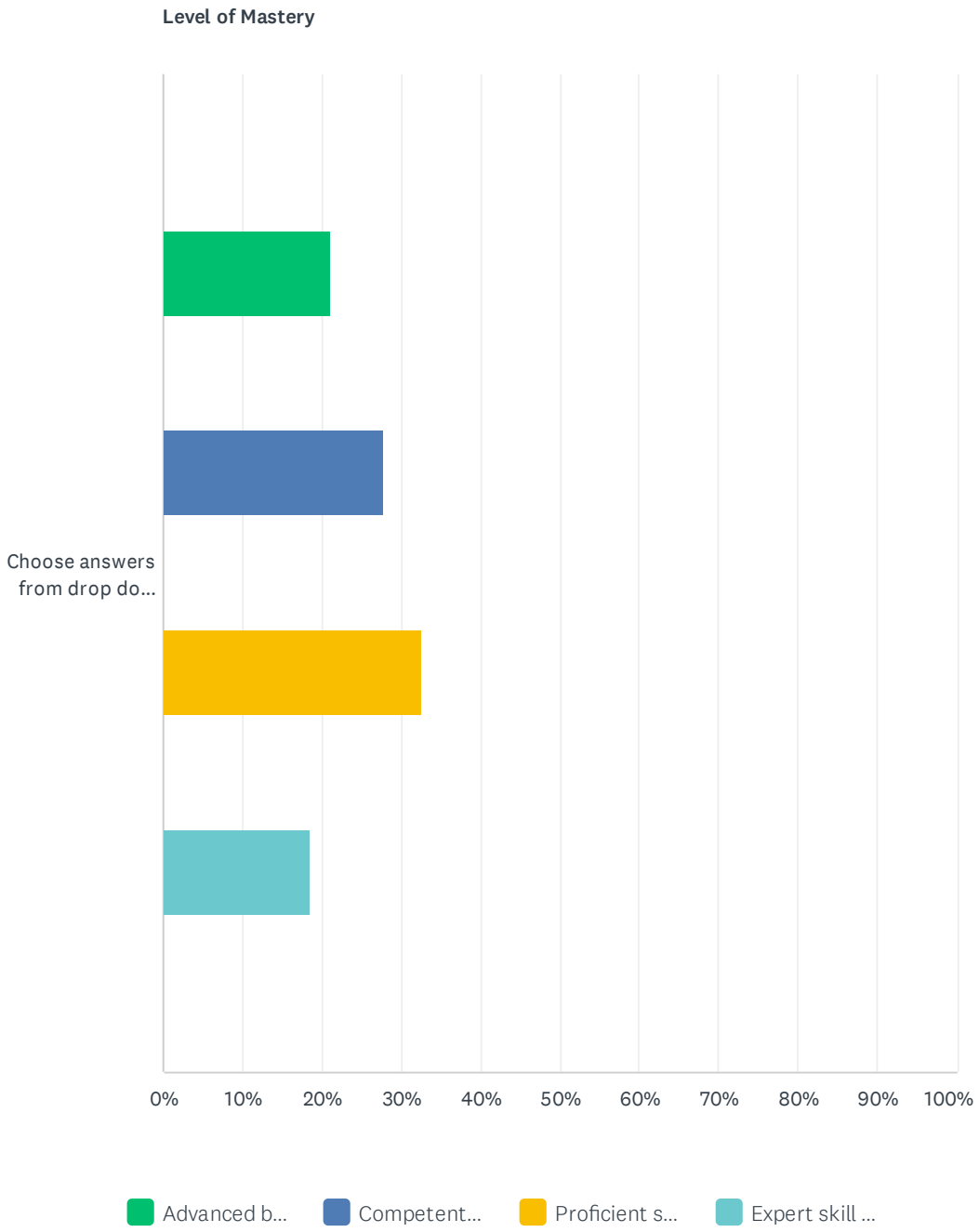


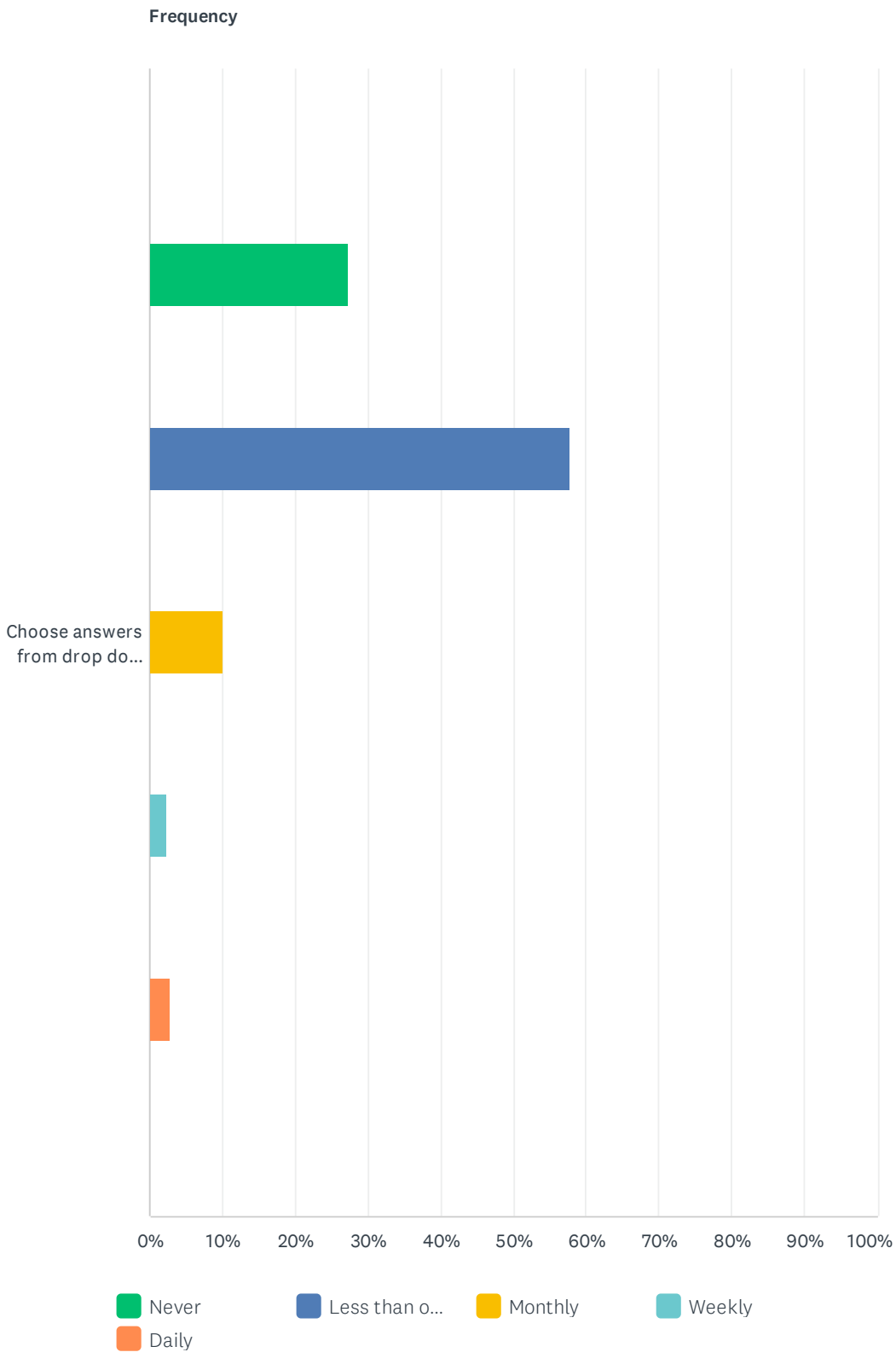

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 53.64%<br>118 | 39.09%<br>86 | 3.64%<br>8 | 2.27%<br>5 | 1.36%<br>3 | 220 |

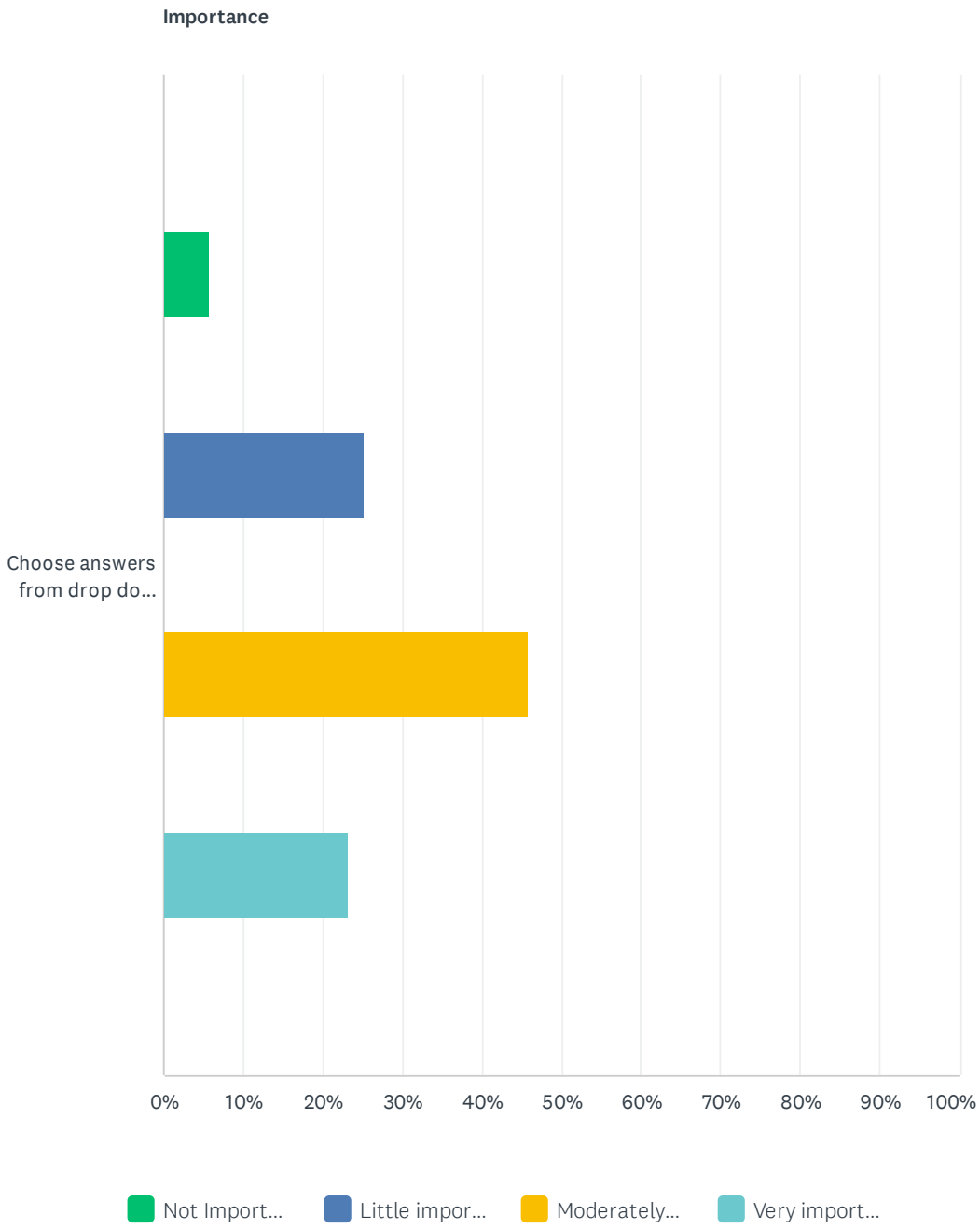
| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 11.00%<br>22 | 26.50%<br>53 | 40.50%<br>81 | 22.00%<br>44 | 200 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 21.11%<br>42 | 27.64%<br>55 | 32.66%<br>65 | 18.59%<br>37 | <br>199 |

# Q205 6.2.30 Scheuermann’s Disease.

Answered: 220 Skipped: 990

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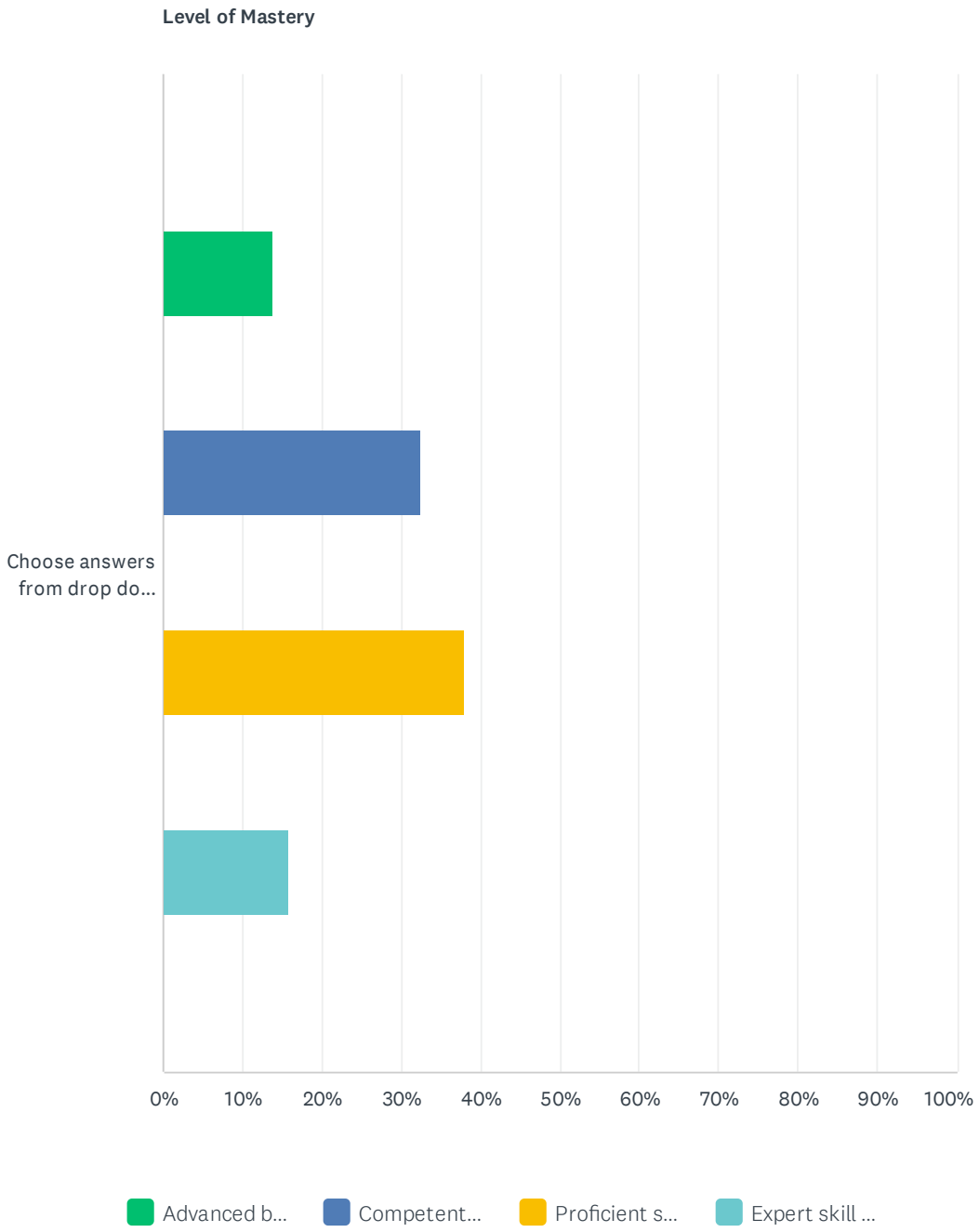


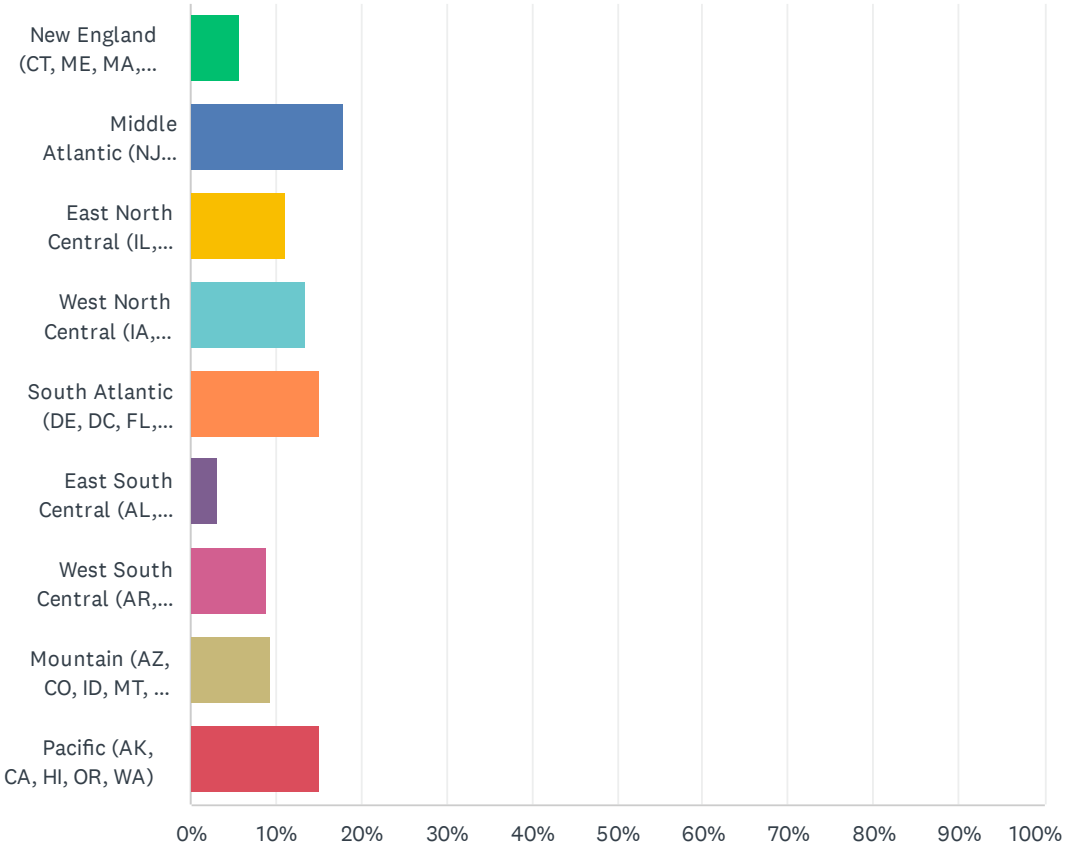

| Frequency | | | | | | |
|---|---|---|---|---|---|---|
| | NEVER | LESS THAN ONCE A MONTH | MONTHLY | WEEKLY | DAILY | TOTAL |
| Choose answers from drop down menus. | 27.27%<br>60 | 57.73%<br>127 | 10.00%<br>22 | 2.27%<br>5 | 2.73%<br>6 | 220 |

| Importance | | | | | |
|---|---|---|---|---|---|
| | NOT IMPORTANT | LITTLE IMPORTANCE | MODERATELY IMPORTANT | VERY IMPORTANT | TOTAL |
| Choose answers from drop down menus. | 5.80%<br>12 | 25.12%<br>52 | 45.89%<br>95 | 23.19%<br>48 | 207 |

| Level of Mastery | | | | | |
|---|---|---|---|---|---|
| | **ADVANCED BEGINNER SKILL LEVEL** | **COMPETENT SKILL LEVEL** | **PROFICIENT SKILL LEVEL** | **EXPERT SKILL LEVEL** | **TOTAL** |
| Choose answers from drop down menus. | 13.79%<br>28 | 32.51%<br>66 | 37.93%<br>77 | 15.76%<br>32 | <br>203 |

# Q206 7.1 In which geographic region is the major portion of your practice?

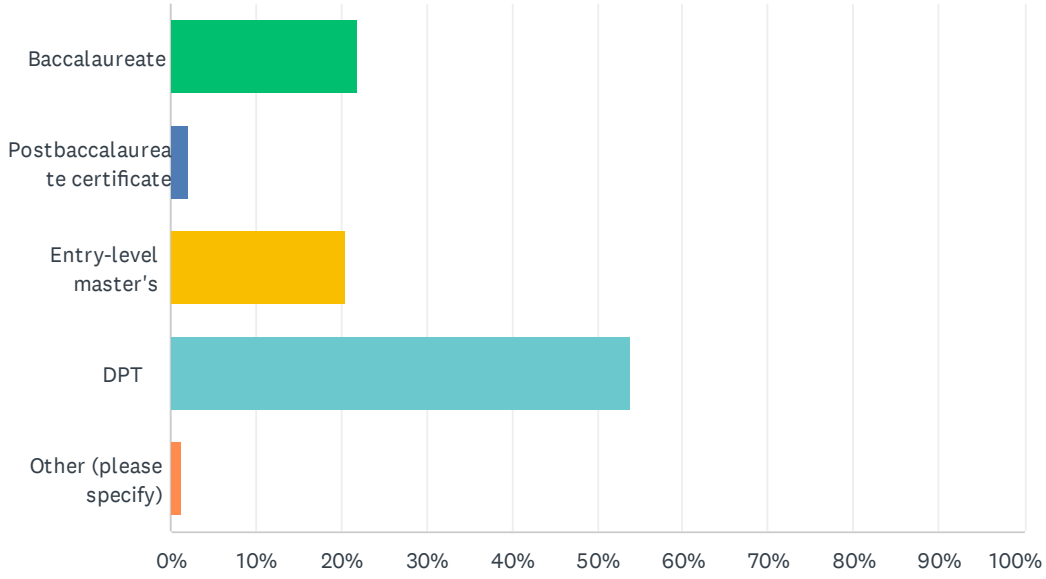
Answered: 224 Skipped: 986




| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| New England (CT, ME, MA, NH, RI, VT) | 5.80% | 13 |
| Middle Atlantic (NJ, NY, PA) | 17.86% | 40 |
| East North Central (IL, IN, MI, OH, WI) | 11.16% | 25 |
| West North Central (IA, KS, MN, MO, NE, ND, SD) | 13.39% | 30 |
| South Atlantic (DE, DC, FL, GA, MD, NC, PR, SC, VA, WV) | 15.18% | 34 |
| East South Central (AL, KY, MS, TN) | 3.13% | 7 |
| West South Central (AR, LA, OK, TX) | 8.93% | 20 |
| Mountain (AZ, CO, ID, MT, NV, NM, UT, WY) | 9.38% | 21 |
| Pacific (AK, CA, HI, OR, WA) | 15.18% | 34 |
| TOTAL | | 224 |

# Q207 7.2 What is your entry-level physical therapy education?

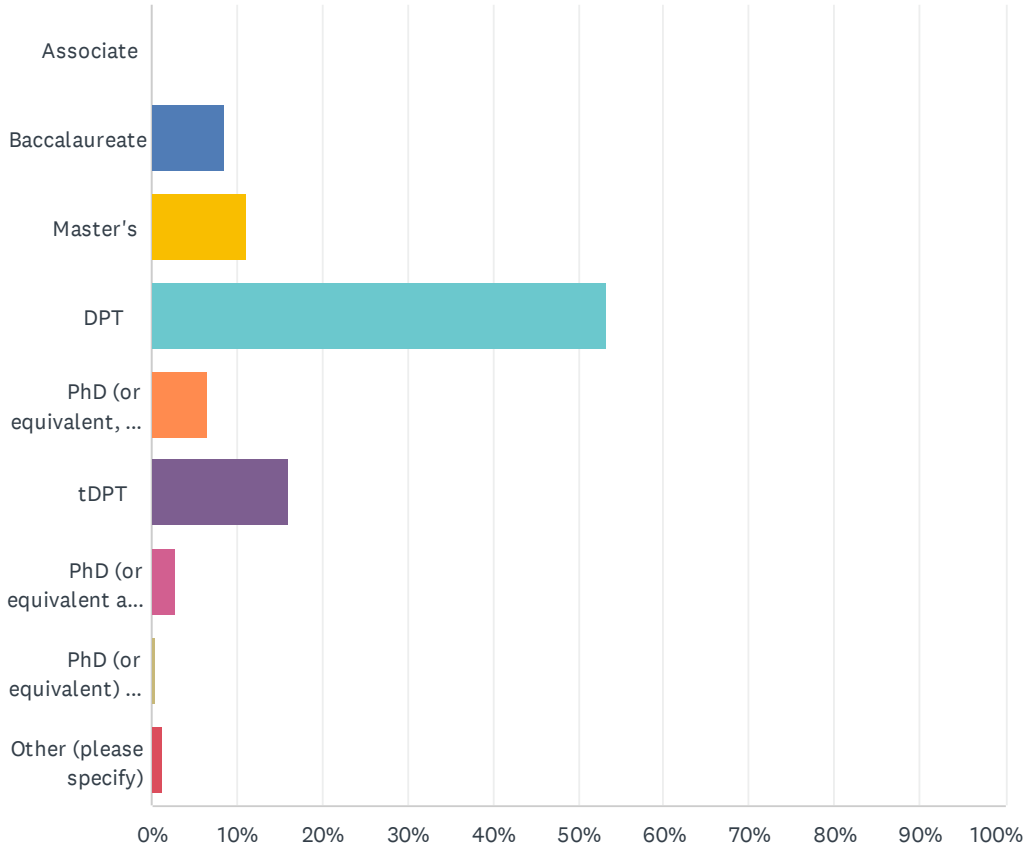
Answered: 224 Skipped: 986




| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Baccalaureate | 21.88% | 49 |
| Postbaccalaureate certificate | 2.23% | 5 |
| Entry-level master's | 20.54% | 46 |
| DPT | 54.02% | 121 |
| Other (please specify) | 1.34% | 3 |
| TOTAL | | 224 |

# Q208 7.3 What is your highest earned academic degree in any area of study?

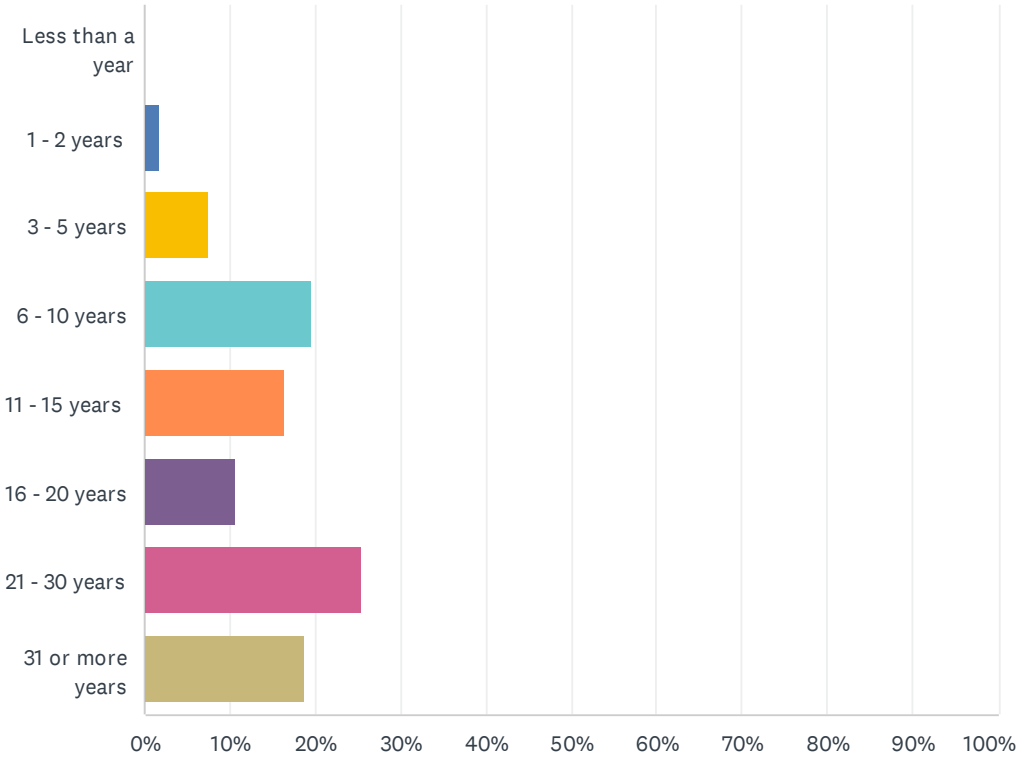
Answered: 225 Skipped: 985




| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Associate | 0.00% | 0 |
| Baccalaureate | 8.44% | 19 |
| Master's | 11.11% | 25 |
| DPT | 53.33% | 120 |
| PhD (or equivalent, eg EdD or ScD) | 6.67% | 15 |
| tDPT | 16.00% | 36 |
| PhD (or equivalent and DPT | 2.67% | 6 |
| PhD (or equivalent) and tDPT | 0.44% | 1 |
| Other (please specify) | 1.33% | 3 |
| TOTAL | | 225 |

# Q209 7.4 What is the total number of years you have been a practicing physical therapist?

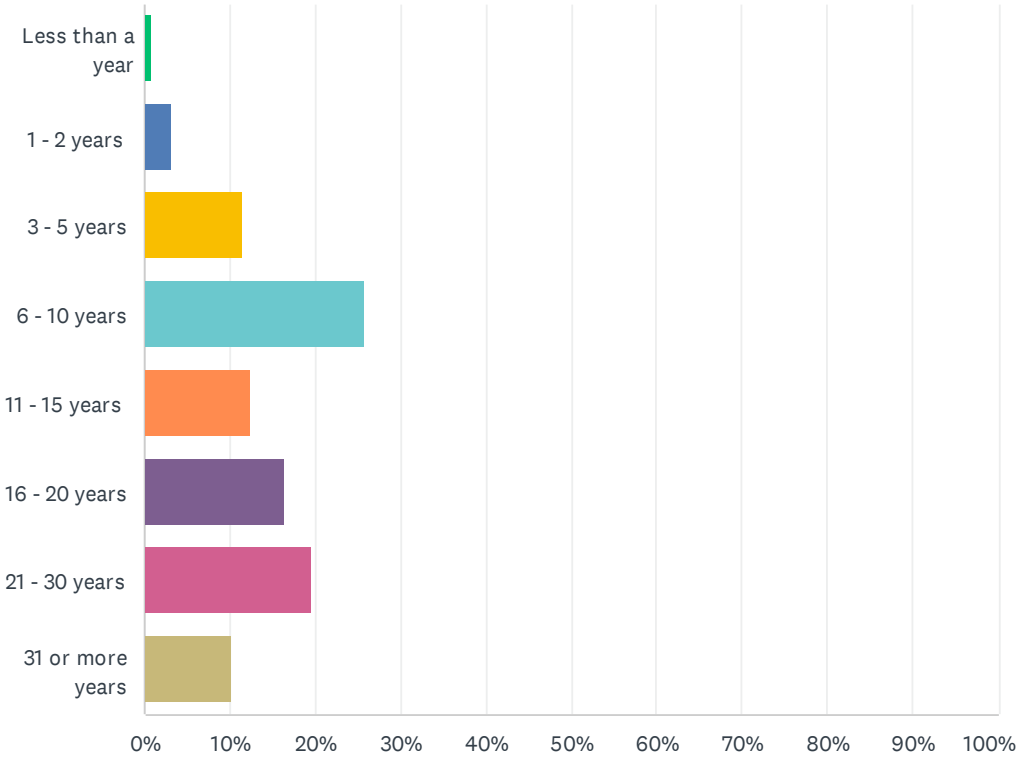
Answered: 225 Skipped: 985




| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Less than a year | 0.00% | 0 |
| 1 - 2 years | 1.78% | 4 |
| 3 - 5 years | 7.56% | 17 |
| 6 - 10 years | 19.56% | 44 |
| 11 - 15 years | 16.44% | 37 |
| 16 - 20 years | 10.67% | 24 |
| 21 - 30 years | 25.33% | 57 |
| 31 or more years | 18.67% | 42 |
| TOTAL | | 225 |

# Q210 7.5 What is the total number of years you have primarily practiced in Orthopaedic Spine physical therapy?

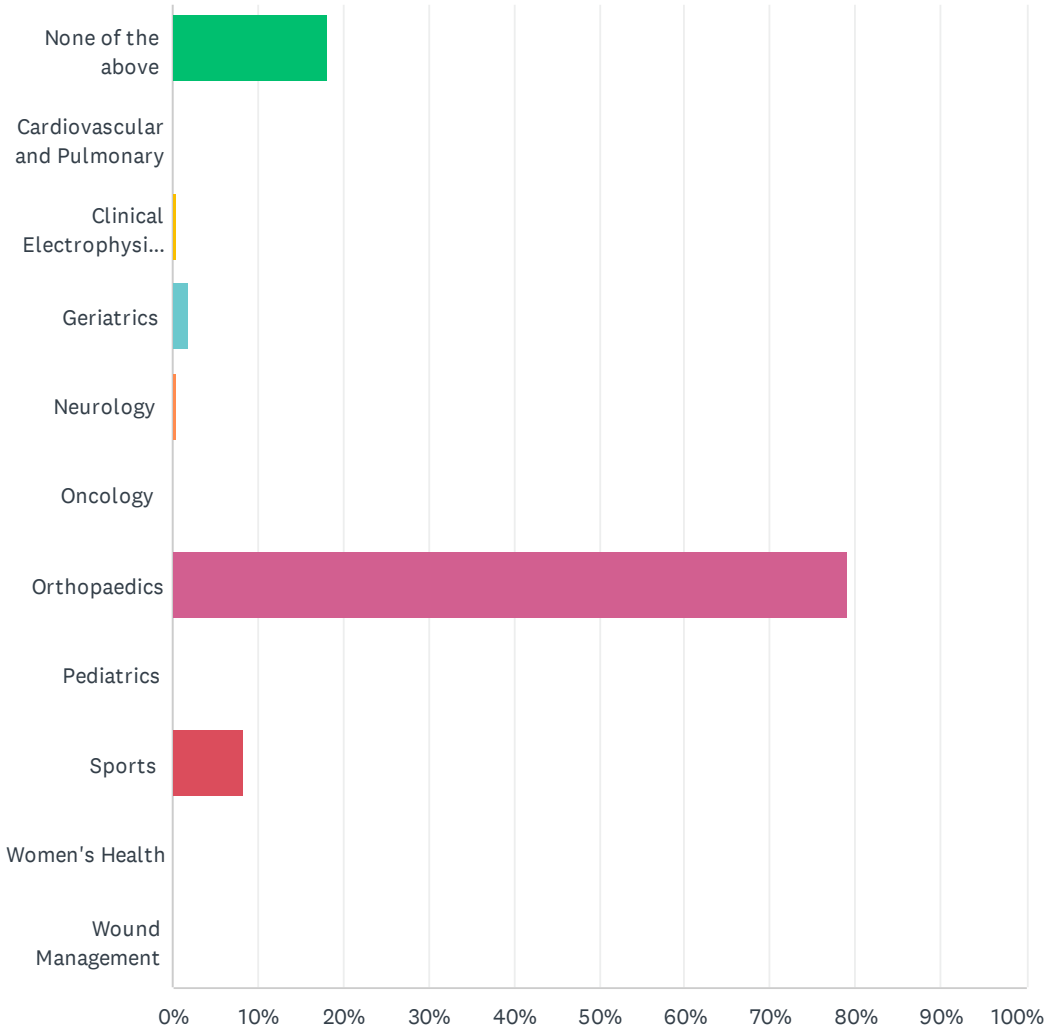
Answered: 225 Skipped: 985




| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Less than a year | 0.89% | 2 |
| 1 - 2 years | 3.11% | 7 |
| 3 - 5 years | 11.56% | 26 |
| 6 - 10 years | 25.78% | 58 |
| 11 - 15 years | 12.44% | 28 |
| 16 - 20 years | 16.44% | 37 |
| 21 - 30 years | 19.56% | 44 |
| 31 or more years | 10.22% | 23 |
| TOTAL | | 225 |

# Q211 7.6 Please indicate any ABPTS board certifications you currently hold (select all that apply):

Answered: 215 Skipped: 995



| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| None of the above | 18.14% | 39 |
| Cardiovascular and Pulmonary | 0.00% | 0 |
| Clinical Electrophysiology | 0.47% | 1 |
| Geriatrics | 1.86% | 4 |
| Neurology | 0.47% | 1 |
| Oncology | 0.00% | 0 |
| Orthopaedics | 79.07% | 170 |
| Pediatrics | 0.00% | 0 |
| Sports | 8.37% | 18 |
| Women's Health | 0.00% | 0 |
| Wound Management | 0.00% | 0 |
| Total Respondents: 215 | | |

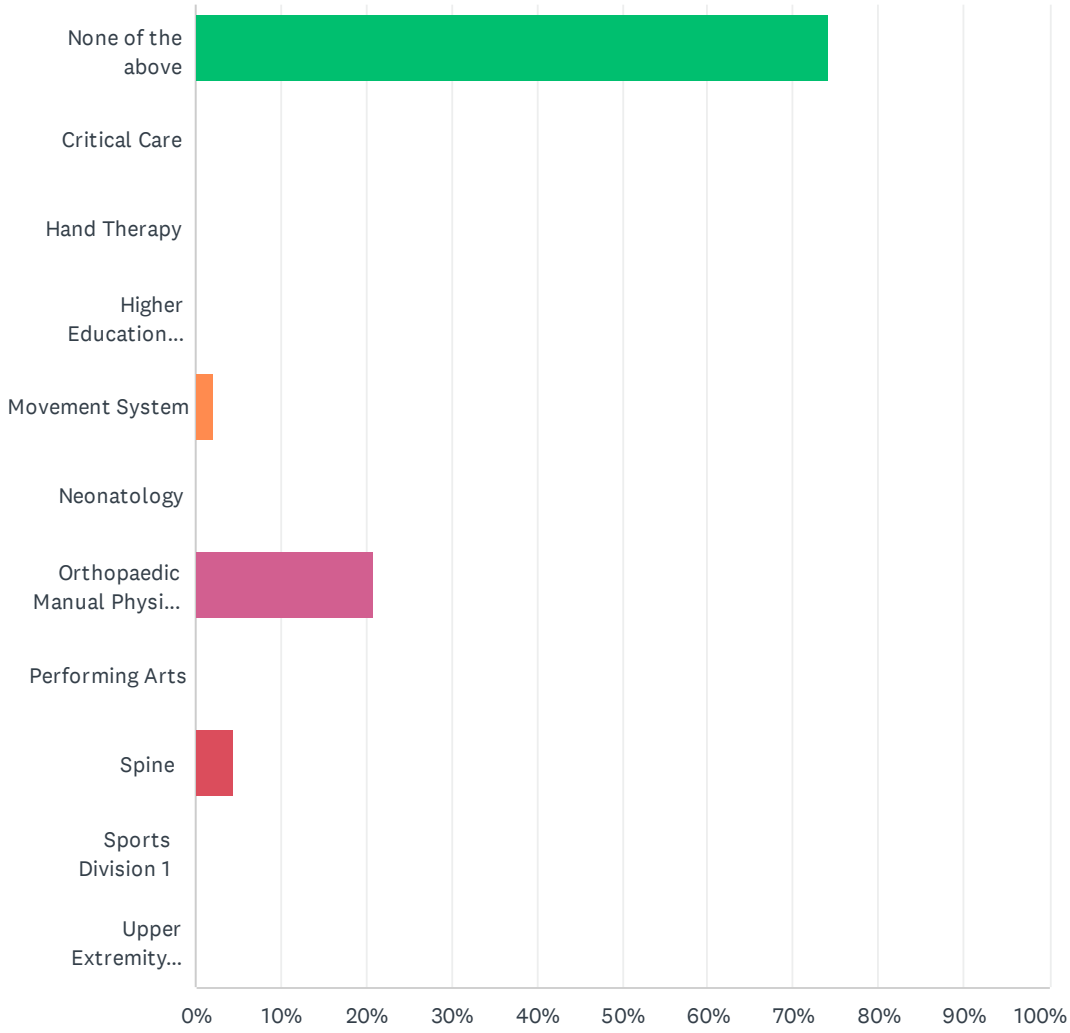
# Q212 7.7 Please indicate if you graduated from an ABPTRFE-accredited residency program in any of the following areas of specialty practice (select all that apply):

Answered: 188 Skipped: 1,022

| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| None of the above | 72.87% | 137 |
| Acute Care | 0.00% | 0 |
| Cardiovascular and Pulmonary | 0.00% | 0 |
| Clinical Electrophysiology | 0.00% | 0 |
| Faculty | 0.00% | 0 |
| Geriatrics | 0.00% | 0 |
| Neurology | 0.00% | 0 |
| Oncology | 0.00% | 0 |
| Orthopaedics | 26.60% | 50 |
| Pediatrics | 0.00% | 0 |
| Sports | 0.53% | 1 |
| Women's Health | 0.00% | 0 |
| Wound Management | 0.00% | 0 |
| Total Respondents: 188 | | |

# Q213 7.8 Please indicate if you graduated from an ABPTRFE-accredited fellowship program in any of the following areas of subspecialty practice (select all that apply):

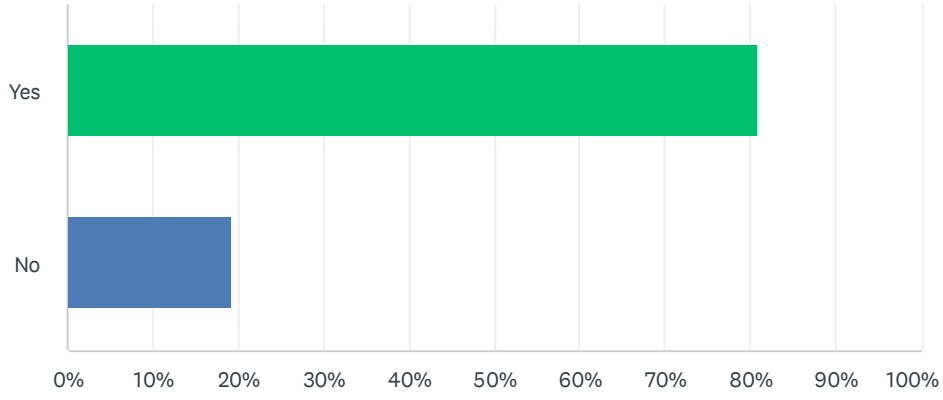
Answered: 182 Skipped: 1,028



| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| None of the above | 74.18% | 135 |
| Critical Care | 0.00% | 0 |
| Hand Therapy | 0.00% | 0 |
| Higher Education Leadership | 0.00% | 0 |
| Movement System | 2.20% | 4 |
| Neonatology | 0.00% | 0 |
| Orthopaedic Manual Physical Therapy | 20.88% | 38 |
| Performing Arts | 0.00% | 0 |
| Spine | 4.40% | 8 |
| Sports Division 1 | 0.00% | 0 |
| Upper Extremity Athlete | 0.00% | 0 |
| Total Respondents: 182 | | |

# Q214 7.9 Based on state law and facility policies, do you evaluate and/or treat patients/clients without a physician referral?

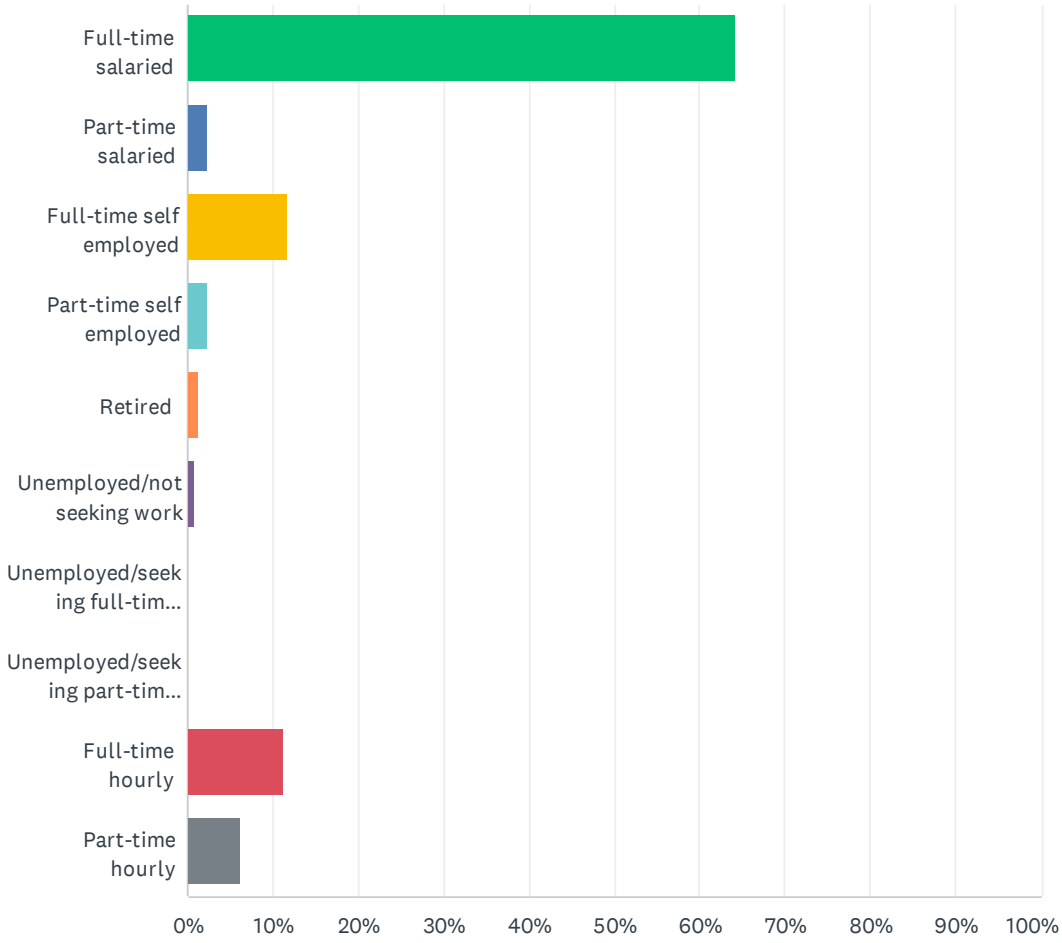
Answered: 223 Skipped: 987




| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Yes | 80.72% | 180 |
| No | 19.28% | 43 |
| TOTAL | | 223 |

# Q215 7.10 What is your current employment status at your primary position (35 or more hours per week is full-time)?

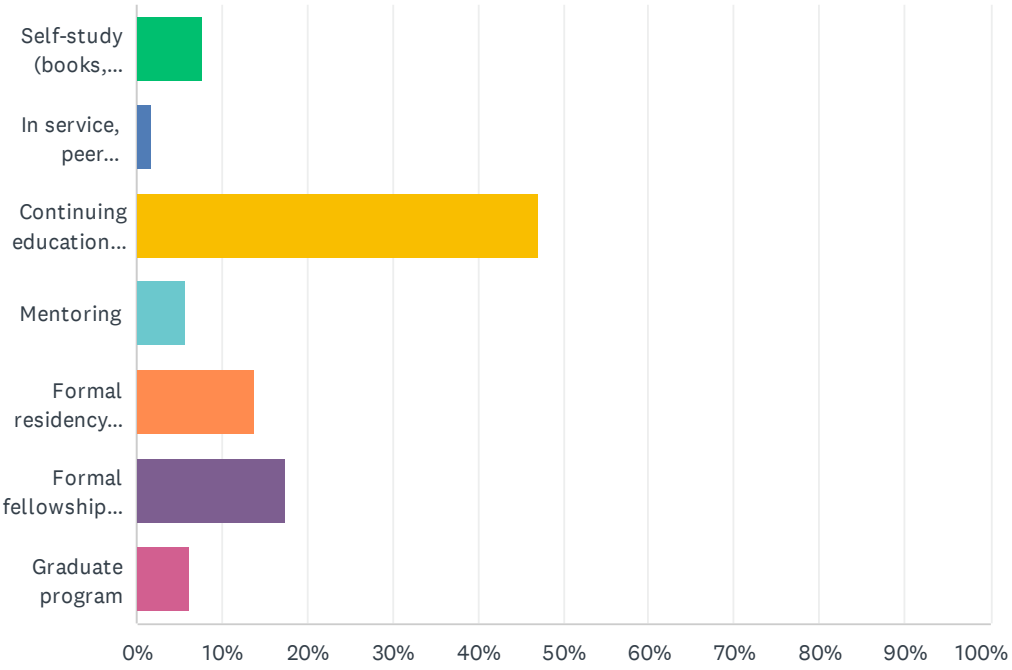
Answered: 223 Skipped: 987



| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Full-time salaried | 64.13% | 143 |
| Part-time salaried | 2.24% | 5 |
| Full-time self employed | 11.66% | 26 |
| Part-time self employed | 2.24% | 5 |
| Retired | 1.35% | 3 |
| Unemployed/not seeking work | 0.90% | 2 |
| Unemployed/seeking full-time employment | 0.00% | 0 |
| Unemployed/seeking part-time employment | 0.00% | 0 |
| Full-time hourly | 11.21% | 25 |
| Part-time hourly | 6.28% | 14 |
| TOTAL | | 223 |

# Q216 7.11 What educational method has had the MOST influence on developing your present level of clinical skills? (Check one category only)

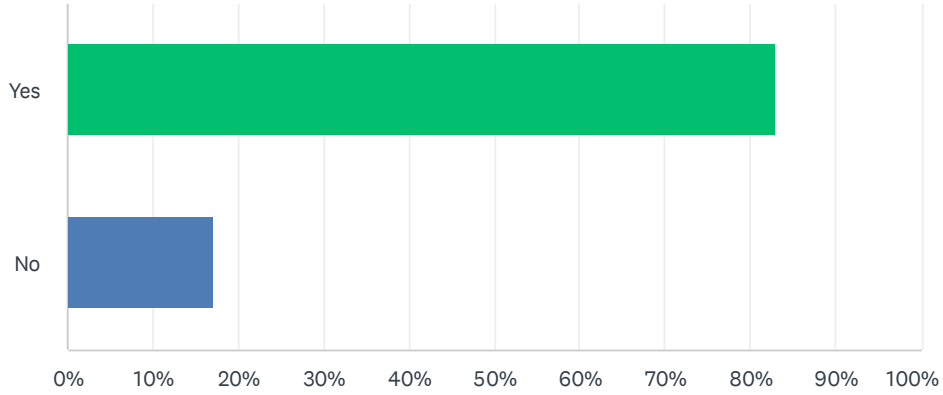
Answered: 223 Skipped: 987




| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Self-study (books, articles, videotapes, home study courses) | 7.62% | 17 |
| In service, peer interaction | 1.79% | 4 |
| Continuing education courses, workshops, seminars, study groups | 47.09% | 105 |
| Mentoring | 5.83% | 13 |
| Formal residency program | 13.90% | 31 |
| Formal fellowship program | 17.49% | 39 |
| Graduate program | 6.28% | 14 |
| TOTAL | | 223 |

# Q217 7.12 Are you a member of the APTA?

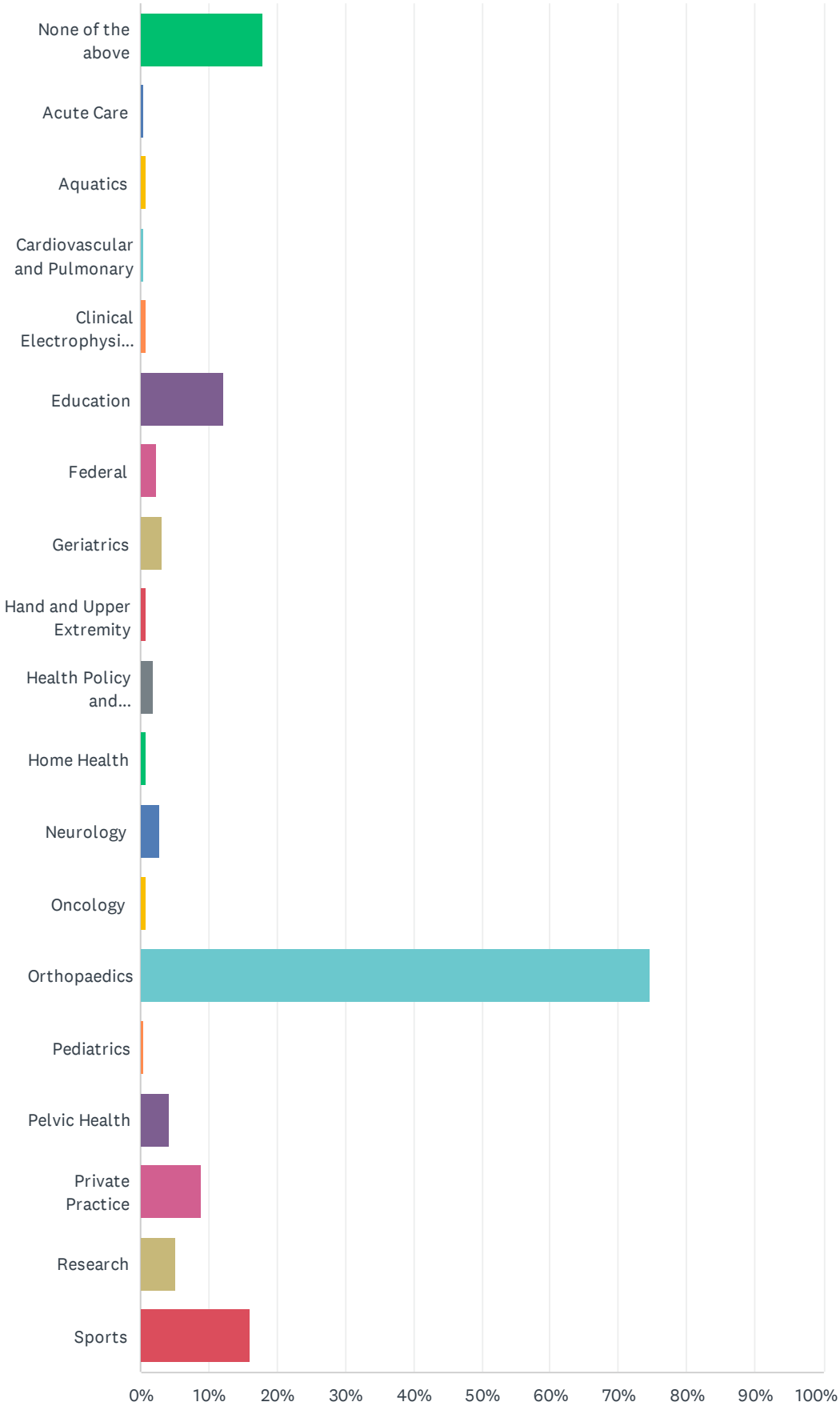
Answered: 223 Skipped: 987




| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Yes | 82.96% | 185 |
| No | 17.04% | 38 |
| TOTAL | | 223 |

# Q218 7.13 Please indicate any APTA Section you are a member of (select all that apply):

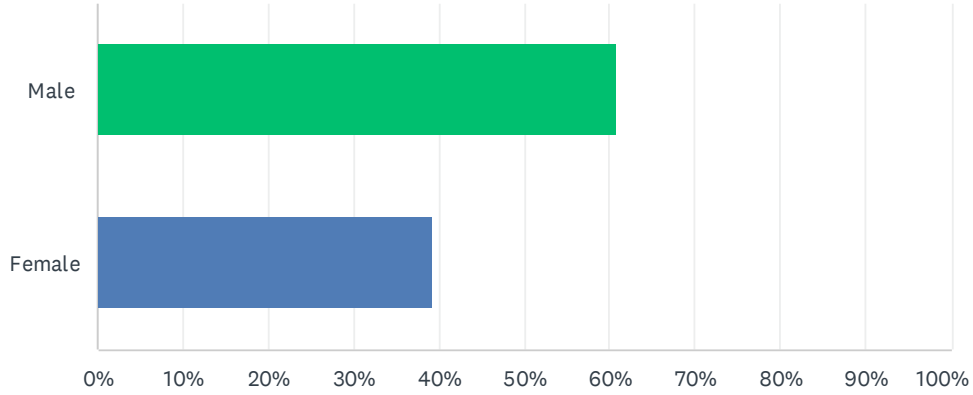
Answered: 213 Skipped: 997


None of the above
Acute Care
Aquatics
Cardiovascular and Pulmonary
Clinical Electrophysi...
Education
Federal
Geriatrics
Hand and Upper Extremity
Health Policy and...
Home Health
Neurology
Oncology
Orthopaedics
Pediatrics
Pelvic Health
Private Practice
Research
Sports
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%

| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| None of the above | 17.84% | 38 |
| Acute Care | 0.47% | 1 |
| Aquatics | 0.94% | 2 |
| Cardiovascular and Pulmonary | 0.47% | 1 |
| Clinical Electrophysiology and Wound Management | 0.94% | 2 |
| Education | 12.21% | 26 |
| Federal | 2.35% | 5 |
| Geriatrics | 3.29% | 7 |
| Hand and Upper Extremity | 0.94% | 2 |
| Health Policy and Administration | 1.88% | 4 |
| Home Health | 0.94% | 2 |
| Neurology | 2.82% | 6 |
| Oncology | 0.94% | 2 |
| Orthopaedics | 74.65% | 159 |
| Pediatrics | 0.47% | 1 |
| Pelvic Health | 4.23% | 9 |
| Private Practice | 8.92% | 19 |
| Research | 5.16% | 11 |
| Sports | 15.96% | 34 |
| Total Respondents: 213 | | |

# Q219 7.14 What is your sex?

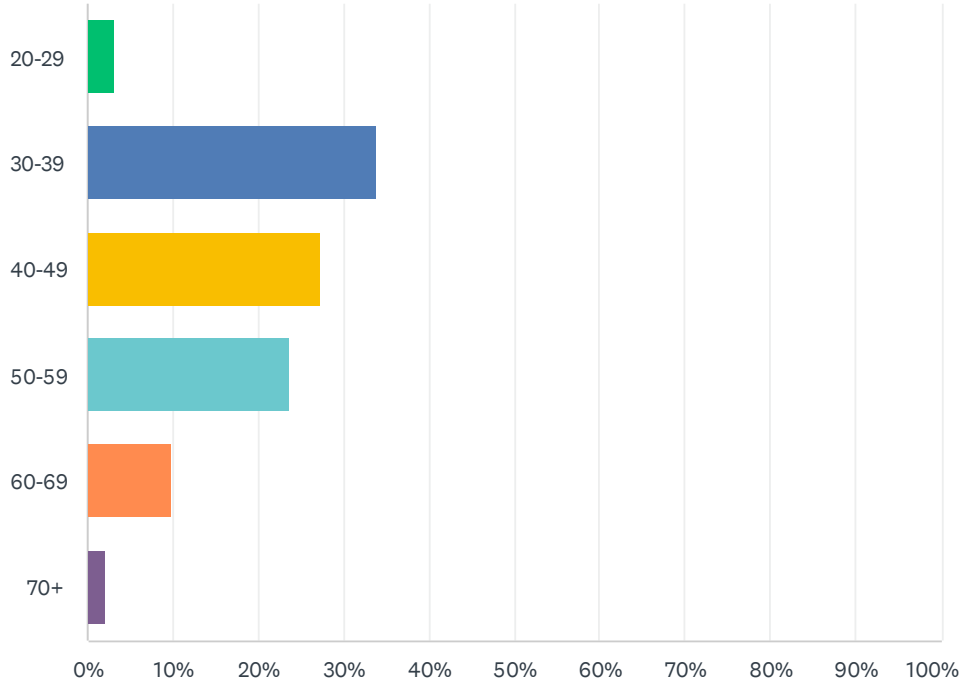
Answered: 224 Skipped: 986




| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| Male | 60.71% | 136 |
| Female | 39.29% | 88 |
| TOTAL | | 224 |

# Q220 7.15 What is your age?

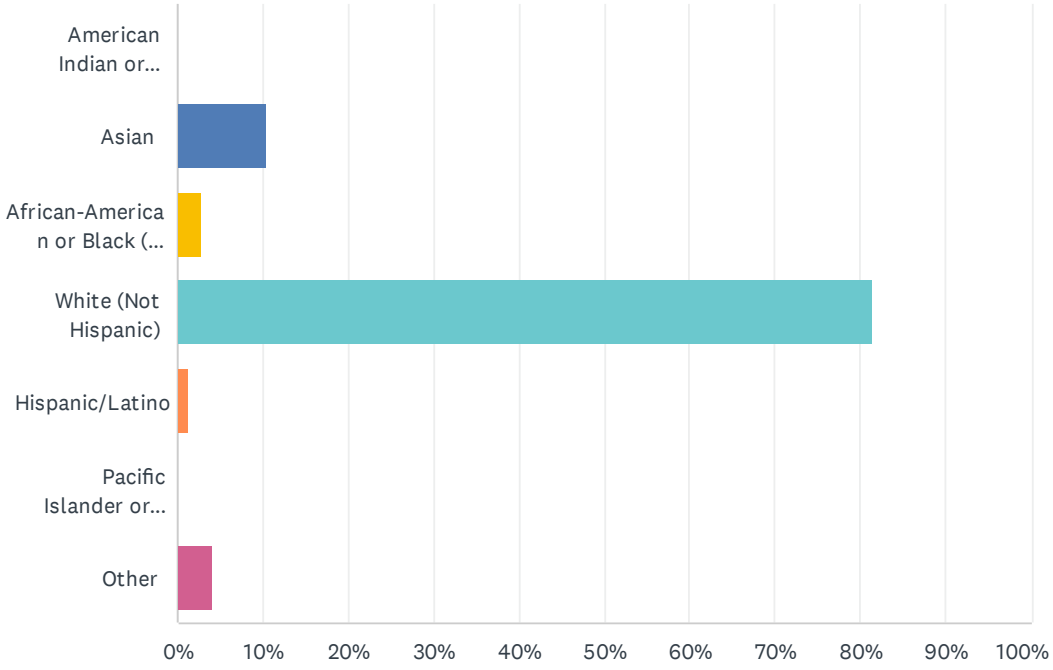
Answered: 224 Skipped: 986




| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| 20-29 | 3.13% | 7 |
| 30-39 | 33.93% | 76 |
| 40-49 | 27.23% | 61 |
| 50-59 | 23.66% | 53 |
| 60-69 | 9.82% | 22 |
| 70+ | 2.23% | 5 |
| TOTAL | | 224 |

# Q221 7.16 Which of the following best describes your race/ethnic origin?

Answered: 222 Skipped: 988




| ANSWER CHOICES | RESPONSES | |
|---|---|---|
| American Indian or Alaskan Native | 0.00% | 0 |
| Asian | 10.36% | 23 |
| African-American or Black (Not Hispanic) | 2.70% | 6 |
| White (Not Hispanic) | 81.53% | 181 |
| Hispanic/Latino | 1.35% | 3 |
| Pacific Islander or Native Hawaiian | 0.00% | 0 |
| Other | 4.05% | 9 |
| TOTAL | | 222 |

## Descriptives in Survey Order

| Key | # of items |
|---|---|
| High frequency (>= 3.0), high importance (>= 2.5) tasks. Very likely to be critical | 95 |
| Low frequency (< 3.0), high importance (>= 2.5) tasks. May be critical | 19 |
| High frequency (>= 3.0), low importance (<2.5)tasks. Less likely to be critical | 31 |
| Low frequency (< 3.0), low importance (< 2.5) tasks. Very unlikely to be critical | 54 |

| Response Scales | | |
|---|---|---|
| **Frequency** | **Importance** | **Level of Judgment/Mastery** |
| 0. Never | 0. Not important | 0. Do not use/ Advanced beginner skill level |
| 1. Less than monthly | 1. Of little importance | 1. Recall/ Competent skill level |
| 2. Monthly | 2. Moderately important | 2. Application/ Proficient skill level |
| 3. Weekly | 3. Very important | 3. Analysis/Expert skill level |
| 4. Daily | | |

| Survey Item # | Survey Section | Item/Label | Frequency | | | Importance | | | Level of Judgment/Mastery | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | N | Mean | SD | N | Mean | SD | N | Mean | SD |
| 2 | 1.1 Foundation Sciences | 1.1.1.1 Musculoskeletal system. | 640 | 3.96 | 0.21 | 620 | 2.92 | 0.28 | 597 | 2.69 | 0.56 |
| 3 | 1.1 Foundation Sciences | 1.1.1.2 Neuromuscular system. | 635 | 3.91 | 0.31 | 614 | 2.91 | 0.28 | 592 | 2.73 | 0.51 |
| 4 | 1.1 Foundation Sciences | 1.1.1.3 Cardiovascular and pulmonary systems. | 636 | 2.89 | 0.97 | 615 | 2.21 | 0.63 | 593 | 2.03 | 0.72 |
| 5 | 1.1 Foundation Sciences | 1.1.1.4 Integumentary system. | 634 | 2.59 | 1.14 | 613 | 1.87 | 0.69 | 592 | 1.77 | 0.77 |
| 6 | 1.1 Foundation Sciences | 1.1.1.5 Human growth and development across the lifespan. | 634 | 2.66 | 1.14 | 613 | 2.08 | 0.71 | 591 | 1.95 | 0.82 |
| 7 | 1.1 Foundation Sciences | 1.1.1.6 Histology (e.g., connective tissue, muscle fiber type, immunity). | 631 | 3.07 | 1.08 | 609 | 2.20 | 0.71 | 589 | 2.07 | 0.78 |
| 8 | 1.1 Foundation Sciences | 1.1.1.7 Other systems (e.g., endocrine, digestive, genitourinary). | 634 | 2.48 | 1.12 | 612 | 1.95 | 0.67 | 591 | 1.83 | 0.85 |
| 9 | 1.1 Foundation Sciences | 1.1.2.1 Kinesiology/biomechanics. | 588 | 3.94 | 0.29 | 569 | 2.88 | 0.36 | 546 | 2.82 | 0.42 |
| 10 | 1.1 Foundation Sciences | 1.1.2.2 Neural control of movement. | 590 | 3.86 | 0.43 | 569 | 2.82 | 0.41 | 548 | 2.78 | 0.45 |
| 11 | 1.1 Foundation Sciences | 1.1.2.3 Ergonomics. | 589 | 3.54 | 0.67 | 569 | 2.51 | 0.60 | 549 | 2.46 | 0.59 |
| 12 | 1.1 Foundation Sciences | 1.1.2.4 Locomotion. | 589 | 3.78 | 0.52 | 569 | 2.67 | 0.54 | 549 | 2.65 | 0.55 |
| 13 | 1.2 Clinical Sciences | 1.2.1.1 Signs and symptoms of disease/injury. | 534 | 3.87 | 0.41 | 515 | 2.89 | 0.31 | 495 | 2.64 | 0.61 |
| 14 | 1.2 Clinical Sciences | 1.2.1.2 Progression of disease/injury processes. | 535 | 3.79 | 0.48 | 516 | 2.81 | 0.39 | 496 | 2.56 | 0.63 |
| 15 | 1.2 Clinical Sciences | 1.2.1.3 Pathokinesiology. | 534 | 3.70 | 0.57 | 516 | 2.66 | 0.54 | 497 | 2.59 | 0.64 |
| 16 | 1.2 Clinical Sciences | 1.2.1.4 Tissue inflammation, healing, and repair. | 536 | 3.81 | 0.44 | 517 | 2.79 | 0.41 | 497 | 2.49 | 0.65 |
| 17 | 1.2 Clinical Sciences | 1.2.2.1 Imaging studies. | 536 | 3.08 | 0.82 | 518 | 2.07 | 0.64 | 499 | 2.14 | 0.72 |
| 18 | 1.2 Clinical Sciences | 1.2.2.2 Pharmacology. | 535 | 3.08 | 0.91 | 517 | 2.10 | 0.60 | 498 | 1.73 | 0.74 |
| 19 | 1.2 Clinical Sciences | 1.2.2.3 Ancillary tests (e.g., lab studies, EKG, electrophysiological exams). | 534 | 2.37 | 1.03 | 516 | 1.87 | 0.66 | 496 | 1.70 | 0.81 |
| 20 | 1.2 Clinical Sciences | 1.2.2.4 Nonsurgical interventional spine procedures (e.g., injections, radial ablation, denervation proc | 533 | 2.95 | 0.90 | 514 | 2.33 | 0.63 | 497 | 2.06 | 0.77 |
| 21 | 1.2 Clinical Sciences | 1.2.2.5 Spine surgical interventions and their indications, contraindications, and precautions for orth | 534 | 2.99 | 0.90 | 516 | 2.59 | 0.57 | 498 | 2.24 | 0.73 |
| 22 | 1.2 Clinical Sciences | 1.2.2.6 Developments in genetics/regenerative medicine (e.g., genetic markers, stem cell application | 534 | 1.47 | 1.03 | 514 | 1.47 | 0.75 | 496 | 1.17 | 0.84 |
| 23 | 1.3 Behavioral Sciences | 1.3.1.1 External environmental factors (e.g., expected behaviors and social pressures). | 489 | 3.54 | 0.75 | 471 | 2.52 | 0.62 | 453 | 2.45 | 0.66 |
| 24 | 1.3 Behavioral Sciences | 1.3.1.2 Personal factors (e.g., compliance, body awareness, pain perception, and related psychosocia | 487 | 3.86 | 0.41 | 470 | 2.81 | 0.41 | 452 | 2.66 | 0.54 |
| 25 | 1.3 Behavioral Sciences | 1.3.1.3 Psychological/emotional conditions (e.g., anxiety, depression, catastrophization). | 488 | 3.70 | 0.60 | 471 | 2.75 | 0.44 | 452 | 2.58 | 0.58 |
| 26 | 1.3 Behavioral Sciences | 1.3.1.4 Impact of behavioral health risk factors (e.g., smoking effects on healing rates). | 488 | 3.37 | 0.80 | 471 | 2.48 | 0.58 | 452 | 2.11 | 0.72 |
| 27 | 1.3 Behavioral Sciences | 1.3.2.1 Peripheral nociceptive pain physiology. | 486 | 3.59 | 0.68 | 469 | 2.62 | 0.54 | 452 | 2.47 | 0.66 |
| 28 | 1.3 Behavioral Sciences | 1.3.2.2 Peripheral neurogenic/neuropathic pain physiology. | 487 | 3.48 | 0.73 | 470 | 2.62 | 0.53 | 451 | 2.47 | 0.64 |
| 29 | 1.3 Behavioral Sciences | 1.3.2.3 Central nervous system/nociplastic pain physiology. | 487 | 3.34 | 0.87 | 470 | 2.62 | 0.54 | 452 | 2.44 | 0.69 |
| 30 | 1.3 Behavioral Sciences | 1.3.2.4 Output mechanisms and expressions (e.g., immune, endocrine, sympathetic, behavioral). | 487 | 2.75 | 1.02 | 470 | 2.11 | 0.72 | 450 | 1.94 | 0.81 |
| 31 | 1.3 Behavioral Sciences | 1.3.3.1 Biopsychosocial model. | 451 | 3.41 | 0.94 | 440 | 2.50 | 0.69 | 424 | 2.38 | 0.77 |
| 32 | 1.3 Behavioral Sciences | 1.3.3.2 Exercise physiology across the lifespan. | 453 | 3.53 | 0.73 | 439 | 2.51 | 0.58 | 424 | 2.32 | 0.67 |
| 33 | 1.3 Behavioral Sciences | 1.3.3.3 Manual therapy techniques. | 452 | 3.84 | 0.48 | 442 | 2.73 | 0.53 | 426 | 2.69 | 0.49 |
| 34 | 1.3 Behavioral Sciences | 1.3.3.4 Movement systems impairments. | 452 | 3.80 | 0.60 | 440 | 2.72 | 0.56 | 425 | 2.69 | 0.55 |
| 35 | 1.3 Behavioral Sciences | 1.3.3.5 Motor control and motor learning. | 453 | 3.81 | 0.46 | 442 | 2.73 | 0.51 | 426 | 2.62 | 0.54 |
| 36 | 1.3 Behavioral Sciences | 1.3.3.6 Theory and application of orthotic, protective, and supportive devices. | 454 | 2.36 | 0.99 | 442 | 1.93 | 0.69 | 425 | 1.97 | 0.73 |
| 37 | 1.3 Behavioral Sciences | 1.3.3.7 Therapeutic exercise. | 453 | 3.99 | 0.09 | 442 | 2.96 | 0.24 | 427 | 2.74 | 0.45 |
| 38 | 1.3 Behavioral Sciences | 1.3.3.8 Models of differential diagnosis and clinical reasoning (e.g., hypothesis-oriented algorithm fo | 447 | 3.37 | 1.13 | 433 | 2.44 | 0.84 | 418 | 2.41 | 0.90 |
| 39 | 1.3 Behavioral Sciences | 1.3.3.9 Principles of teaching and learning. | 454 | 3.70 | 0.65 | 442 | 2.67 | 0.52 | 428 | 2.45 | 0.57 |
| 40 | 1.3 Behavioral Sciences | 1.3.3.10 Principles of prevention and wellness. | 454 | 3.57 | 0.69 | 443 | 2.63 | 0.55 | 428 | 2.31 | 0.61 |
| 41 | 1.4 Critical Inquiry for Evidence-I | 1.4.1 Critical interpretation of research findings on orthopaedic spine physical therapy practice. | 441 | 2.86 | 0.86 | 430 | 2.62 | 0.51 | 416 | 2.54 | 0.65 |
| 42 | 1.4 Critical Inquiry for Evidence-I | 1.4.2 Application of research findings to orthopaedic spine physical therapy practice. | 441 | 3.11 | 0.91 | 430 | 2.63 | 0.51 | 414 | 2.51 | 0.61 |
| 43 | 2.1 Professional Behavior | 2.1.1 Consulting with and/or educating peers, colleagues, other health care professionals, communit | 408 | 2.46 | 1.02 | 397 | 2.50 | 0.60 | 385 | 2.14 | 0.75 |
| 44 | 2.1 Professional Behavior | 2.1.2 Using patient-centered ethics and values in complex clinical decision making. | 407 | 3.70 | 0.65 | 396 | 2.79 | 0.46 | 382 | 2.14 | 0.90 |
| 45 | 2.1 Professional Behavior | 2.1.3 Maintaining active participation in professional organizations that address issues related to orth | 405 | 1.92 | 1.01 | 395 | 2.12 | 0.74 | 381 | 1.50 | 0.96 |
| 46 | 2.1 Professional Behavior | 2.1.4 Maintaining state-of-the-art knowledge and skills by seeking own mentors and participating in c | 407 | 2.11 | 0.95 | 397 | 2.60 | 0.58 | 383 | 1.94 | 0.96 |
| 47 | 2.2 Leadership | 2.2.1 Representing orthopaedic spine physical therapy and interacting with other professionals and c | 398 | 1.97 | 1.05 | 387 | 2.26 | 0.70 | 372 | 2.02 | 0.86 |
| 48 | 2.2 Leadership | 2.2.2 Planning, directing, organizing, and managing human, technical, environmental, and financial re | 396 | 2.35 | 1.30 | 383 | 2.00 | 0.86 | 369 | 1.68 | 0.91 |
| 49 | 2.2 Leadership | 2.2.3 Modeling and facilitating the translation of evidence into clinical practice as it relates to orthop | 397 | 3.07 | 1.04 | 386 | 2.62 | 0.58 | 373 | 2.21 | 0.77 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 50 | 2.2 Leadership | 2.2.4 Acting as an expert resource for peers in the clinic and community for guidance on complex cas | 397 | 2.76 | 1.08 | 387 | 2.59 | 0.61 | 373 | 2.55 | 0.71 |
| 51 | 2.3 Communication | 2.3.1 Empowering patients with orthopaedic spine conditions in the management of their own healt | 381 | 3.83 | 0.45 | 371 | 2.92 | 0.30 | 359 | 2.19 | 0.88 |
| 52 | 2.3 Communication | 2.3.2 Facilitating collaborative and multidisciplinary team management and transition of care for indi | 382 | 2.85 | 0.98 | 372 | 2.50 | 0.64 | 360 | 2.04 | 0.79 |
| 53 | 2.4 Advocacy | 2.4.1 Promoting the orthopaedic spine physical therapist as the first contact provider in musculoskel | 381 | 2.88 | 1.16 | 371 | 2.59 | 0.62 | 357 | 2.14 | 0.91 |
| 54 | 2.4 Advocacy | 2.4.2 Advocating for orthopaedic spine physical therapy practice with national organizations, healthc | 381 | 1.47 | 1.09 | 369 | 2.30 | 0.71 | 354 | 1.80 | 1.00 |
| 55 | 2.5 Education | 2.5.1 Contributing to the professional development of other physical therapists by teaching/mentori | 366 | 2.47 | 1.03 | 356 | 2.60 | 0.57 | 346 | 2.37 | 0.72 |
| 56 | 2.5 Education | 2.5.2 Promoting awareness and benefits of fellowship programs in orthopaedic spine physical therap | 367 | 1.46 | 1.09 | 355 | 1.93 | 0.87 | 339 | 1.78 | 0.97 |
| 57 | 2.5 Education | 2.5.3 Educating the public regarding spine conditions, the role of orthopaedic spine physical therapis | 366 | 2.24 | 1.22 | 356 | 2.42 | 0.67 | 346 | 1.92 | 0.90 |
| 58 | 2.5 Education | 2.5.4 Educating other health care professionals and administrators as to the scope and role of orthop | 362 | 2.03 | 1.01 | 351 | 2.46 | 0.64 | 342 | 1.98 | 0.89 |
| 59 | 2.6 Critical Inquiry and Evidence- | 2.6.1 Applying principles of evidence-based practice in patient/client management. | 362 | 3.77 | 0.61 | 352 | 2.79 | 0.49 | 342 | 2.20 | 0.94 |
| 60 | 2.6 Critical Inquiry and Evidence- | 2.6.2 Contributing to the body of evidence in orthopaedic spine physical therapy (e.g., peer-reviewed | 364 | 1.12 | 0.91 | 352 | 2.03 | 0.73 | 341 | 1.89 | 1.03 |
| 61 | 2.6 Critical Inquiry and Evidence- | 2.6.3 Evaluating the efficacy and effectiveness of examination tools, interventions, and technologies | 363 | 2.23 | 1.19 | 353 | 2.34 | 0.72 | 343 | 1.99 | 0.91 |
| 62 | 2.6 Critical Inquiry and Evidence- | 2.6.4 Identifying research needs within the field of orthopaedic spine physical therapy, evaluating ou | 364 | 1.38 | 0.97 | 352 | 2.11 | 0.75 | 340 | 1.84 | 1.03 |
| 63 | 3.1.1 History | 3.1.1.1.1 Current and prior work. | 331 | 3.54 | 0.85 | 321 | 2.54 | 0.61 | 311 | 1.83 | 1.04 |
| 64 | 3.1.1 History | 3.1.1.1.2 Activity requirements/occupational demands. | 331 | 3.60 | 0.77 | 321 | 2.67 | 0.56 | 312 | 1.86 | 1.03 |
| 65 | 3.1.1 History | 3.1.1.1.3 Ergonomic considerations. | 331 | 3.37 | 0.82 | 321 | 2.43 | 0.64 | 312 | 1.77 | 0.96 |
| 66 | 3.1.1 History | 3.1.1.1.4 Utilization of adaptive and supportive devices (e.g., taping, bracing, assistive devices, orthot | 331 | 2.67 | 1.06 | 321 | 1.98 | 0.76 | 312 | 1.63 | 0.88 |
| 67 | 3.1.1 History | 3.1.1.2.1 Recognition of contributions from multiple body regions. | 326 | 3.80 | 0.50 | 317 | 2.81 | 0.42 | 310 | 2.27 | 0.86 |
| 68 | 3.1.1 History | 3.1.1.2.2 Quality and behavior of symptoms. | 325 | 3.90 | 0.38 | 315 | 2.81 | 0.43 | 309 | 2.16 | 0.93 |
| 69 | 3.1.1 History | 3.1.1.2.3 Symptom irritability (onset, offset, and overall baseline). | 325 | 3.89 | 0.37 | 315 | 2.84 | 0.40 | 309 | 2.13 | 1.01 |
| 70 | 3.1.1 History | 3.1.1.2.4 Onset of condition (e.g., mechanism of injury, insidious onset, potential contributing factors | 324 | 3.85 | 0.40 | 316 | 2.83 | 0.40 | 308 | 2.07 | 1.05 |
| 71 | 3.1.1 History | 3.1.1.2.5 Current and previous therapeutic interventions. | 326 | 3.77 | 0.50 | 316 | 2.62 | 0.52 | 309 | 2.03 | 1.05 |
| 72 | 3.1.1 History | 3.1.1.2.6 Readiness for change. | 326 | 3.65 | 0.66 | 317 | 2.66 | 0.51 | 310 | 2.01 | 0.92 |
| 73 | 3.1.1 History | 3.1.1.2.7 Goals of the patient, family, and caregiver. | 326 | 3.76 | 0.54 | 317 | 2.81 | 0.42 | 311 | 1.94 | 1.10 |
| 74 | 3.1.1 History | 3.1.1.3 Obtaining data regarding functional status and activity level of daily living. | 317 | 3.77 | 0.51 | 308 | 2.75 | 0.45 | 301 | 1.88 | 1.07 |
| 75 | 3.1.1 History | 3.1.1.4.1 Physical function. | 319 | 3.82 | 0.43 | 309 | 2.77 | 0.44 | 302 | 1.92 | 1.08 |
| 76 | 3.1.1 History | 3.1.1.4.2 Psychosocial factors (e.g., anxiety, depression, catastrophizing). | 318 | 3.66 | 0.58 | 308 | 2.72 | 0.49 | 300 | 1.99 | 0.89 |
| 77 | 3.1.1 History | 3.1.1.5 Obtaining data regarding social/health habits (past and current), including behavioral health r | 298 | 3.54 | 0.72 | 288 | 2.53 | 0.57 | 280 | 1.73 | 0.99 |
| 78 | 3.1.1 History | 3.1.1.6 Obtaining medical/surgical history data. | 298 | 3.65 | 0.63 | 286 | 2.65 | 0.49 | 281 | 1.79 | 1.06 |
| 79 | 3.1.1 History | 3.1.1.7 Obtaining data regarding medication usage patterns and effects of medications currently and | 298 | 3.53 | 0.71 | 288 | 2.39 | 0.60 | 282 | 1.70 | 0.95 |
| 80 | 3.1.1 History | 3.1.1.8 Obtaining data regarding social history (e.g., cultural beliefs and support systems). | 298 | 3.39 | 0.83 | 289 | 2.35 | 0.67 | 281 | 1.65 | 0.98 |
| 81 | 3.1.1 History | 3.1.1.9 Obtaining general demographic information. | 298 | 3.42 | 0.89 | 288 | 2.05 | 0.78 | 281 | 1.43 | 1.06 |
| 82 | 3.1.1 History | 3.1.1.10 Obtaining data on living environment and community characteristics. | 298 | 3.35 | 0.92 | 288 | 2.18 | 0.70 | 281 | 1.51 | 1.07 |
| 83 | 3.1.2 Interpreting Data from Hist | 3.1.2.1 Developing a working hypothesis of the physical therapy diagnosis that includes, nature and s | 274 | 3.88 | 0.36 | 266 | 2.90 | 0.32 | 260 | 2.31 | 0.87 |
| 84 | 3.1.2 Interpreting Data from Hist | 3.1.2.2 Assessing "red flags" and determining need based upon whether patient demonstrates neuro | 277 | 3.82 | 0.45 | 268 | 2.95 | 0.24 | 261 | 2.20 | 0.97 |
| 85 | 3.1.2 Interpreting Data from Hist | 3.1.2.3 Identifying chief and secondary problems. | 277 | 3.84 | 0.38 | 269 | 2.81 | 0.40 | 262 | 2.22 | 0.85 |
| 86 | 3.1.3 Planning a Physical Exam | 3.1.3.1 Includes examination techniques with a high probability of changing (reproducing or relieving | 276 | 3.90 | 0.31 | 267 | 2.88 | 0.34 | 260 | 2.42 | 0.79 |
| 87 | 3.1.3 Planning a Physical Exam | 3.1.3.2 Is comprehensive but has the focus and detail appropriate to the working hypothesis and the | 274 | 3.86 | 0.37 | 266 | 2.81 | 0.43 | 258 | 2.37 | 0.78 |
| 88 | 3.1.3 Planning a Physical Exam | 3.1.3.3 Considers the nature, severity, and irritability of the symptoms/problems. | 275 | 3.92 | 0.30 | 267 | 2.83 | 0.38 | 260 | 2.22 | 0.92 |
| 89 | 3.1.3 Planning a Physical Exam | 3.1.3.4 Prioritizes areas, movements, and functional activities to be examined as well as examination | 275 | 3.90 | 0.31 | 267 | 2.81 | 0.41 | 258 | 2.33 | 0.83 |
| 90 | 3.1.4 Systems Review | 3.1.4.1 Performing systems review to identify the impaired or unimpaired status of the: cardiovascul | 266 | 3.61 | 0.65 | 258 | 2.62 | 0.54 | 251 | 1.95 | 0.93 |
| 91 | 3.1.5 Test and Measures | 3.1.5.1 Ergonomics and body mechanics. | 266 | 3.56 | 0.68 | 258 | 2.48 | 0.62 | 250 | 1.93 | 0.98 |
| 92 | 3.1.5 Test and Measures | 3.1.5.2 Gait, locomotion, and balance. | 265 | 3.76 | 0.52 | 257 | 2.66 | 0.54 | 250 | 1.97 | 0.99 |
| 93 | 3.1.5 Test and Measures | 3.1.5.3 Work (job/school/play), community and leisure integration or reintegration (including IADL). | 267 | 3.43 | 0.77 | 258 | 2.52 | 0.59 | 251 | 1.85 | 0.93 |
| 94 | 3.1.5 Test and Measures | 3.1.5.4 Adaptive and supportive devices (e.g., taping, bracing, assistive devices, orthotics). | 266 | 2.81 | 0.98 | 258 | 2.03 | 0.72 | 251 | 1.66 | 0.88 |
| 95 | 3.1.5 Test and Measures | 3.1.5.5 Pain. | 266 | 3.93 | 0.25 | 258 | 2.64 | 0.56 | 251 | 2.04 | 1.02 |
| 96 | 3.1.5 Test and Measures | 3.1.5.6 Anthropometric characteristics (e.g., edema, body dimensions and composition). | 267 | 3.01 | 1.00 | 258 | 2.03 | 0.69 | 251 | 1.51 | 0.96 |
| 97 | 3.1.5 Test and Measures | 3.1.5.7 Circulation (e.g., vertebral artery examination, skin condition, thoracic outlet tests, and peripl | 261 | 2.90 | 0.99 | 253 | 2.41 | 0.63 | 246 | 1.87 | 0.89 |
| 98 | 3.1.5 Test and Measures | 3.1.5.8 Aerobic capacity and endurance (e.g., dyspnea perceived exertion, heart rate). | 261 | 2.80 | 1.06 | 252 | 2.26 | 0.68 | 245 | 1.69 | 0.91 |
| 99 | 3.1.5 Test and Measures | 3.1.5.9 Neurodynamics. | 259 | 3.42 | 0.72 | 251 | 2.57 | 0.56 | 244 | 2.09 | 0.82 |
| 100 | 3.1.5 Test and Measures | 3.1.5.10 Sensory integrity (e.g., assessment of superficial sensation, dermatomes, myotomes, propric | 261 | 3.32 | 0.87 | 252 | 2.52 | 0.61 | 245 | 1.95 | 0.93 |
| 101 | 3.1.5 Test and Measures | 3.1.5.11 Reflex integrity (e.g., assessment of normal and pathological reflexes). | 260 | 3.35 | 0.83 | 252 | 2.54 | 0.61 | 245 | 1.90 | 1.01 |
| 102 | 3.1.5 Test and Measures | 3.1.5.12 Motor control and coordination (e.g., assessment of timing of movements across segments, | 261 | 3.49 | 0.89 | 252 | 2.55 | 0.62 | 244 | 2.15 | 0.80 |
| 103 | 3.1.5 Test and Measures | 3.1.5.13 Biopsychosocial functioning (e.g., depression, impaired motivation, FABQ, STarT Back, Tamp | 261 | 3.14 | 0.95 | 252 | 2.46 | 0.62 | 244 | 1.89 | 0.88 |
| 104 | 3.1.5 Test and Measures | 3.1.5.14 Joint integrity (i.e., mobility assessment of joint hypermobility and hypomobility to include p | 261 | 3.80 | 0.47 | 253 | 2.75 | 0.48 | 244 | 2.23 | 0.89 |
| 105 | 3.1.5 Test and Measures | 3.1.5.15 Community, home, and work barriers. | 249 | 3.18 | 0.89 | 243 | 2.35 | 0.65 | 235 | 1.72 | 0.92 |
| 106 | 3.1.5 Test and Measures | 3.1.5.16 Integumentary integrity. | 250 | 2.86 | 1.03 | 243 | 2.07 | 0.69 | 236 | 1.47 | 0.91 |
| 107 | 3.1.5 Test and Measures | 3.1.5.17 Muscle performance (e.g., strength, power, and endurance). | 251 | 3.79 | 0.47 | 243 | 2.72 | 0.47 | 237 | 1.97 | 1.01 |
| 108 | 3.1.5 Test and Measures | 3.1.5.18 Neuromotor development and sensory integration (e.g., assessment of appropriate developi | 251 | 3.18 | 0.93 | 243 | 2.37 | 0.63 | 236 | 1.95 | 0.86 |
| 109 | 3.1.5 Test and Measures | 3.1.5.19 Posture (e.g., assessment of body or body segment(s) structure, alignment, changes in differ | 253 | 3.68 | 0.61 | 246 | 2.43 | 0.67 | 239 | 1.92 | 1.03 |
| 110 | 3.1.5 Test and Measures | 3.1.5.20 Tissue-specific diagnostic tests (i.e., special tests). | 252 | 3.55 | 0.72 | 245 | 2.39 | 0.71 | 238 | 2.07 | 0.90 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 111 | 3.1.5 Test and Measures | 3.1.5.21 Flexibility (e.g., length, stiffness). | 253 | 3.68 | 0.59 | 246 | 2.43 | 0.63 | 239 | 1.87 | 1.02 |
| 112 | 3.1.5 Test and Measures | 3.1.5.22 Soft tissue quality (e.g., mobility, provocation). | 251 | 3.74 | 0.58 | 244 | 2.53 | 0.60 | 237 | 2.04 | 0.96 |
| 113 | 3.1.5 Test and Measures | 3.1.5.23 Task-specific activities (e.g., lifting, bending, reaching). | 253 | 3.77 | 0.48 | 246 | 2.69 | 0.49 | 238 | 2.02 | 1.00 |
| 114 | 3.2 Evaluation | 3.2.1 Using the International Classification of Functioning, Disability and Health (ICF) model to synthe | 239 | 3.03 | 1.29 | 233 | 2.21 | 0.91 | 228 | 1.83 | 1.01 |
| 115 | 3.2 Evaluation | 3.2.2 Developing a working diagnosis, including nature of complaint, probable cause, anatomical stru | 241 | 3.83 | 0.44 | 235 | 2.88 | 0.35 | 231 | 2.40 | 0.80 |
| 116 | 3.2 Evaluation | 3.2.3 Incorporating data from ancillary testing (e.g., imaging, labs, electrophysiological studies). | 241 | 3.27 | 0.76 | 235 | 2.33 | 0.63 | 231 | 1.99 | 0.76 |
| 117 | 3.2 Evaluation | 3.2.4 Referring patient/client to other health care professionals for further examination as appropria | 241 | 2.80 | 0.93 | 235 | 2.73 | 0.48 | 229 | 2.17 | 0.85 |
| 118 | 3.2 Evaluation | 3.2.5 Considering implications of exam findings on activity, quality of life, and wellness as establishec | 238 | 3.19 | 1.10 | 231 | 2.37 | 0.73 | 227 | 1.95 | 0.91 |
| 119 | 3.3. Diagnosis | 3.3.1 Organizing examination findings into clusters, syndromes, or categories to which physical thera | 241 | 3.63 | 0.72 | 234 | 2.71 | 0.57 | 229 | 2.31 | 0.80 |
| 120 | 3.4 Prognosis | 3.4.1 Accounting for the complexity of the patient/clientâ€™s dysfunctions/conditions, the predicted | 241 | 3.71 | 0.58 | 235 | 2.71 | 0.52 | 231 | 2.37 | 0.73 |
| 121 | 3.5 Intervention | 3.5.1 Ergonomics (influences of environment and occupation on posture and movement). | 235 | 3.41 | 0.81 | 228 | 2.40 | 0.63 | 225 | 1.92 | 0.90 |
| 122 | 3.5 Intervention | 3.5.2 Education/training of functional activities. | 234 | 3.77 | 0.47 | 228 | 2.70 | 0.51 | 225 | 2.04 | 1.00 |
| 123 | 3.5 Intervention | 3.5.3 Education/training of activities of daily living (e.g., hygiene, stair climbing, sleeping postures). | 235 | 3.61 | 0.64 | 229 | 2.56 | 0.61 | 225 | 1.93 | 0.99 |
| 124 | 3.5 Intervention | 3.5.4.1 Concerning diagnosis, prognosis, treatment, responsibility, and self-management within plan | 233 | 3.78 | 0.52 | 227 | 2.80 | 0.42 | 224 | 2.22 | 0.86 |
| 125 | 3.5 Intervention | 3.5.4.2 Using the biopsychosocial/biomedical models. | 233 | 3.43 | 0.89 | 227 | 2.45 | 0.69 | 224 | 2.06 | 0.87 |
| 126 | 3.5 Intervention | 3.5.4.3 Addressing pain physiology and dose response. | 233 | 3.70 | 0.57 | 228 | 2.65 | 0.54 | 225 | 2.15 | 0.83 |
| 127 | 3.5 Intervention | 3.5.4.4 Addressing prevention and wellness. | 234 | 3.41 | 0.79 | 228 | 2.54 | 0.57 | 224 | 1.97 | 0.91 |
| 128 | 3.5 Intervention | 3.5.5 Injury prevention and wellness promotion (e.g., task adaptation, behavior modification, body m | 231 | 3.52 | 0.71 | 225 | 2.62 | 0.52 | 222 | 2.09 | 0.87 |
| 129 | 3.5 Intervention | 3.5.6 Sleep hygiene education (e.g., sleep schedules, technology usage, sleep habits, relationship bet | 232 | 3.02 | 0.94 | 226 | 2.31 | 0.70 | 223 | 1.81 | 0.83 |
| 130 | 3.5 Intervention | 3.5.7 Nutritional education. | 232 | 2.46 | 0.98 | 226 | 2.03 | 0.70 | 222 | 1.58 | 0.88 |
| 131 | 3.5 Intervention | 3.5.8 Pain neuroscience education. | 231 | 3.41 | 0.81 | 225 | 2.60 | 0.57 | 223 | 2.19 | 0.78 |
| 132 | 3.5 Intervention | 3.5.9 Graded exposure. | 230 | 3.20 | 0.93 | 224 | 2.54 | 0.62 | 221 | 2.13 | 0.79 |
| 133 | 3.5 Intervention | 3.5.10 Graded motor imagery. | 231 | 2.22 | 1.18 | 223 | 2.04 | 0.76 | 220 | 1.88 | 0.89 |
| 134 | 3.5 Intervention | 3.5.4.11 Graded activity/exercise. | 232 | 3.71 | 0.62 | 226 | 2.77 | 0.44 | 223 | 2.26 | 0.84 |
| 135 | 3.5 Intervention | 3.5.4.12 Protective, adaptive or supportive device or equipment (e.g., orthotics, taping). | 231 | 2.52 | 1.01 | 224 | 1.92 | 0.71 | 221 | 1.67 | 0.83 |
| 136 | 3.5 Intervention | 3.5.4.13 Neural mobilization (e.g., nerve gliding). | 232 | 3.20 | 0.86 | 226 | 2.46 | 0.63 | 223 | 2.07 | 0.86 |
| 137 | 3.5 Intervention | 3.5.14 Non-thrust mobilization/manipulation. | 232 | 3.67 | 0.62 | 225 | 2.68 | 0.50 | 221 | 2.28 | 0.80 |
| 138 | 3.5 Intervention | 3.5.15 Thrust mobilization/manipulation. | 232 | 3.05 | 1.07 | 226 | 2.48 | 0.67 | 222 | 2.42 | 0.78 |
| 139 | 3.5 Intervention | 3.5.16 Soft tissue mobilization (e.g., connective tissue, deep friction, cross friction massage, instrume | 231 | 3.54 | 0.80 | 226 | 2.48 | 0.68 | 222 | 2.13 | 0.91 |
| 140 | 3.5 Intervention | 3.5.17 Mobilization with movement. | 230 | 3.31 | 0.81 | 224 | 2.41 | 0.66 | 221 | 2.12 | 0.80 |
| 141 | 3.5 Intervention | 3.5.18 Muscle energy techniques. | 232 | 2.88 | 1.16 | 226 | 2.14 | 0.79 | 222 | 1.95 | 0.88 |
| 142 | 3.5 Intervention | 3.5.19 Traction/distraction. | 231 | 2.97 | 0.97 | 225 | 2.20 | 0.75 | 221 | 1.92 | 0.97 |
| 143 | 3.5 Intervention | 3.5.4.20 Directional preference exercises/activities. | 230 | 3.47 | 0.73 | 224 | 2.58 | 0.57 | 221 | 2.10 | 0.92 |
| 144 | 3.5 Intervention | 3.5.4.21 Electro-therapeutic modalities (e.g., TENS, NMES). | 230 | 2.08 | 1.23 | 224 | 1.39 | 0.87 | 221 | 1.31 | 1.02 |
| 145 | 3.5 Intervention | 3.5.4.22 Thermo-therapeutic modalities (e.g., heat, ice, ultrasound). | 233 | 2.12 | 1.32 | 226 | 1.26 | 0.81 | 221 | 1.19 | 1.06 |
| 146 | 3.5 Intervention | 3.5.23 Photo-therapeutic modalities (e.g., laser). | 229 | 0.62 | 1.04 | 221 | 0.67 | 0.78 | 212 | 0.77 | 0.91 |
| 147 | 3.5 Intervention | 3.5.24 Dry needling. | 230 | 1.73 | 1.52 | 221 | 1.60 | 0.98 | 213 | 1.87 | 1.06 |
| 148 | 3.5 Intervention | 3.5.25 Aerobic capacity and endurance exercises. | 230 | 3.26 | 0.94 | 224 | 2.38 | 0.67 | 221 | 1.81 | 0.98 |
| 149 | 3.5 Intervention | 3.5.26 Motor coordination. | 229 | 3.54 | 0.75 | 222 | 2.57 | 0.56 | 219 | 2.01 | 0.88 |
| 150 | 3.5 Intervention | 3.5.27 Muscle performance exercises (e.g., strength, muscle endurance). | 230 | 3.84 | 0.40 | 224 | 2.79 | 0.43 | 220 | 2.06 | 0.98 |
| 151 | 3.5 Intervention | 3.5.28.1 Meditation. | 230 | 1.69 | 1.24 | 222 | 1.57 | 0.82 | 213 | 1.25 | 0.87 |
| 152 | 3.5 Intervention | 3.5.28.2 Mindfulness. | 230 | 2.25 | 1.31 | 221 | 1.84 | 0.82 | 215 | 1.34 | 0.88 |
| 153 | 3.5 Intervention | 3.5.28.3 Hypnosis. | 229 | 0.18 | 0.57 | 218 | 0.39 | 0.64 | 194 | 0.90 | 1.25 |
| 154 | 3.6 Re-assessment / re-evaluatio | 3.6.1 Assessing intervention response. | 227 | 3.89 | 0.44 | 221 | 2.93 | 0.32 | 218 | 2.21 | 0.97 |
| 155 | 3.6 Re-assessment / re-evaluatio | 3.6.2 Analyzing significance of changes. | 227 | 3.82 | 0.50 | 221 | 2.88 | 0.34 | 218 | 2.25 | 0.90 |
| 156 | 3.6 Re-assessment / re-evaluatio | 3.6.3 Assessing change. | 227 | 3.86 | 0.38 | 222 | 2.87 | 0.35 | 219 | 2.16 | 0.94 |
| 157 | 3.6 Re-assessment / re-evaluatio | 3.6.4 Re-examining/implementing a modified plan of care. | 228 | 3.48 | 0.71 | 222 | 2.82 | 0.39 | 219 | 2.26 | 0.85 |
| 158 | 3.6 Re-assessment / re-evaluatio | 3.6.5 Confirming/modifying goals. | 228 | 3.31 | 0.79 | 221 | 2.63 | 0.55 | 219 | 2.01 | 0.95 |
| 159 | 3.6 Re-assessment / re-evaluatio | 3.6.6 Making referrals to other providers as needed. | 228 | 2.54 | 0.93 | 222 | 2.64 | 0.51 | 218 | 2.07 | 0.86 |
| 160 | 3.7 Outcomes Assessment | 3.7.1 Assessing remediation of activity and participation limitations. | 223 | 3.36 | 0.69 | 217 | 2.53 | 0.57 | 213 | 2.01 | 0.84 |
| 161 | 3.7 Outcomes Assessment | 3.7.2 Assessing patient satisfaction. | 225 | 3.36 | 0.86 | 219 | 2.61 | 0.59 | 216 | 1.77 | 0.99 |
| 162 | 3.7 Outcomes Assessment | 3.7.3 Assessing promotion of primary and secondary prevention. | 224 | 3.05 | 0.88 | 217 | 2.29 | 0.63 | 213 | 1.84 | 0.86 |
| 163 | 3.7 Outcomes Assessment | 3.7.4 Assessing improvement of patient's/client's activities and participation based on best available | 224 | 3.28 | 0.80 | 218 | 2.52 | 0.61 | 213 | 1.97 | 0.91 |
| 164 | 3.7 Outcomes Assessment | 3.7.5 Using applicable, evidence-based outcomes measurement tools/questionnaires/scales (e.g., Os | 223 | 3.25 | 0.88 | 217 | 2.45 | 0.63 | 214 | 1.74 | 1.05 |
| 192 | 6.1 Nervous System | 6.1.1 Cervical Radiculopathy. | 224 | 3.36 | 0.73 | 218 | 2.93 | 0.26 | 215 | 2.44 | 0.76 |
| 193 | 6.1 Nervous System | 6.1.2 Lumbar Radiculopathy. | 224 | 3.51 | 0.66 | 218 | 2.90 | 0.31 | 215 | 2.44 | 0.77 |
| 194 | 6.1 Nervous System | 6.1.3 Thoracic Outlet Syndrome. | 222 | 1.79 | 1.01 | 215 | 2.42 | 0.66 | 212 | 2.26 | 0.79 |
| 195 | 6.1 Nervous System | 6.1.4 Other peripheral neural impingements (not including thoracic outlet syndrome; e.g., double cru | 222 | 2.17 | 1.07 | 217 | 2.54 | 0.60 | 214 | 2.33 | 0.72 |
| 196 | 6.1 Nervous System | 6.1.5 Meralgia paresthetica. | 222 | 1.22 | 0.88 | 214 | 2.04 | 0.76 | 212 | 2.00 | 0.86 |
| 197 | 6.1 Nervous System | 6.1.6 Cervical Myelopathy. | 224 | 1.66 | 1.08 | 218 | 2.72 | 0.53 | 215 | 2.32 | 0.81 |
| 198 | 6.2 Musculoskeletal System | 6.2.1 Cervical Disc Pathologies (e.g., DDD, protrusion, herniation). | 222 | 3.45 | 0.75 | 215 | 2.81 | 0.45 | 213 | 2.34 | 0.82 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 199 | 6.2 Musculoskeletal System | 6.2.2 Cervical Instability. | 223 | 2.08 | 1.23 | 217 | 2.79 | 0.46 | 214 | 2.41 | 0.73 |
| 200 | 6.2 Musculoskeletal System | 6.2.3 Cervical Sprain/Strain. | 223 | 3.25 | 0.84 | 217 | 2.70 | 0.49 | 214 | 2.16 | 0.89 |
| 201 | 6.2 Musculoskeletal System | 6.2.4 Cervicogenic Headache. | 223 | 2.74 | 0.93 | 217 | 2.69 | 0.49 | 212 | 2.38 | 0.73 |
| 202 | 6.2 Musculoskeletal System | 6.2.5 Chronic Pain Syndromes (e.g., central sensitization and/or nociplastic pain, other persistent pai | 223 | 2.88 | 0.96 | 215 | 2.70 | 0.50 | 212 | 2.37 | 0.70 |
| 203 | 6.2 Musculoskeletal System | 6.2.6 Other Disorders of Cervical Spine. | 223 | 2.67 | 1.10 | 216 | 2.48 | 0.61 | 212 | 2.15 | 0.77 |
| 204 | 6.2 Musculoskeletal System | 6.2.7 Temporomandibular Dysfunction. | 221 | 1.52 | 1.09 | 213 | 2.27 | 0.68 | 208 | 2.05 | 0.87 |
| 205 | 6.2 Musculoskeletal System | 6.2.8 Disorders of the Hip. | 222 | 3.30 | 0.73 | 216 | 2.74 | 0.47 | 213 | 2.25 | 0.81 |
| 206 | 6.2 Musculoskeletal System | 6.2.9 Lumbar Disc Pathologies (e.g., DDD, protrusion, herniation). | 221 | 3.61 | 0.63 | 215 | 2.84 | 0.42 | 210 | 2.36 | 0.86 |
| 207 | 6.2 Musculoskeletal System | 6.2.10 Lumbar Instability. | 222 | 2.72 | 1.13 | 216 | 2.66 | 0.59 | 213 | 2.38 | 0.77 |
| 208 | 6.2 Musculoskeletal System | 6.2.11 Lumbar Spondylosis / Spondylolisthesis. | 222 | 2.98 | 0.98 | 216 | 2.69 | 0.54 | 213 | 2.32 | 0.83 |
| 209 | 6.2 Musculoskeletal System | 6.2.12 Lumbar Strain. | 222 | 3.35 | 0.77 | 216 | 2.62 | 0.57 | 213 | 2.11 | 1.00 |
| 210 | 6.2 Musculoskeletal System | 6.2.13 Other Disorders of the Lumbar Spine. | 220 | 2.90 | 1.00 | 212 | 2.55 | 0.57 | 209 | 2.21 | 0.84 |
| 211 | 6.2 Musculoskeletal System | 6.2.14 Piriformis Syndrome. | 221 | 2.10 | 1.06 | 213 | 2.18 | 0.82 | 209 | 1.99 | 0.94 |
| 212 | 6.2 Musculoskeletal System | 6.2.15 Sacroiliac Dysfunction. | 222 | 2.50 | 1.10 | 215 | 2.44 | 0.68 | 212 | 2.25 | 0.79 |
| 213 | 6.2 Musculoskeletal System | 6.2.16 Other Disorders of the Pelvic Girdle. | 222 | 2.11 | 1.14 | 213 | 2.31 | 0.69 | 207 | 2.07 | 0.77 |
| 214 | 6.2 Musculoskeletal System | 6.2.17 Inflammatory Conditions (spondyloarthropathies such as ankylosing spondylitis, RA, etc.). | 222 | 1.80 | 0.99 | 214 | 2.49 | 0.60 | 210 | 2.10 | 0.80 |
| 215 | 6.2 Musculoskeletal System | 6.2.18 Rib Dysfunction. | 220 | 1.96 | 1.07 | 213 | 2.32 | 0.75 | 209 | 2.19 | 0.77 |
| 216 | 6.2 Musculoskeletal System | 6.2.19 Thoracic Sprain/Strain. | 220 | 2.41 | 1.00 | 214 | 2.39 | 0.65 | 211 | 2.12 | 0.86 |
| 217 | 6.2 Musculoskeletal System | 6.2.20 Thoracic Disc Pathologies (e.g., thoracic disc herniation, thoracic radiculopathy). | 219 | 1.59 | 1.00 | 212 | 2.25 | 0.72 | 209 | 2.09 | 0.82 |
| 218 | 6.2 Musculoskeletal System | 6.2.21 Other Disorders of the Thoracic Spine. | 217 | 2.00 | 1.07 | 210 | 2.22 | 0.72 | 207 | 2.00 | 0.82 |
| 219 | 6.2 Musculoskeletal System | 6.2.22 Curvature of the spine (e.g., adolescent idiopathic scoliosis, congenital muscular scoliosis, patl | 221 | 2.10 | 1.13 | 212 | 2.35 | 0.65 | 209 | 2.02 | 0.85 |
| 220 | 6.2 Musculoskeletal System | 6.2.23 Diastasis recti. | 220 | 1.35 | 1.01 | 211 | 2.04 | 0.83 | 206 | 1.71 | 0.85 |
| 221 | 6.2 Musculoskeletal System | 6.2.24 Facet dysfunction (cervical, thoracic, lumbar). | 221 | 3.20 | 0.88 | 214 | 2.65 | 0.57 | 212 | 2.31 | 0.82 |
| 222 | 6.2 Musculoskeletal System | 6.2.25 Operative procedure on spinal structure. | 220 | 2.45 | 1.02 | 214 | 2.65 | 0.53 | 210 | 2.20 | 0.83 |
| 223 | 6.2 Musculoskeletal System | 6.2.26 Spinal stenosis. | 220 | 3.10 | 0.91 | 213 | 2.67 | 0.52 | 211 | 2.19 | 0.89 |
| 224 | 6.2 Musculoskeletal System | 6.2.27 Oncological Disorders (e.g., tumor, spine metastases, etc.). | 220 | 1.28 | 0.92 | 208 | 2.50 | 0.73 | 206 | 2.00 | 0.88 |
| 225 | 6.2 Musculoskeletal System | 6.2.28 Torticollis (e.g., atlanto axial rotary displacement, congenital muscular torticollis). | 220 | 0.93 | 0.92 | 209 | 1.98 | 0.91 | 205 | 1.66 | 0.93 |
| 226 | 6.2 Musculoskeletal System | 6.2.29 Klippel-Feil Syndrome. | 220 | 0.59 | 0.79 | 200 | 1.74 | 0.93 | 199 | 1.49 | 1.02 |
| 227 | 6.2 Musculoskeletal System | 6.2.30 Scheuermann's Disease. | 220 | 0.95 | 0.84 | 207 | 1.86 | 0.84 | 203 | 1.56 | 0.92 |

# Descriptives in Order of Importance and Frequency (High to Low)

| Key | # of items |
|---|---|
| High frequency (>= 3.0), high importance (>= 2.5) tasks. Very likely to be critical | 95 |
| Low frequency (< 3.0), high importance (>= 2.5) tasks. May be critical | 19 |
| High frequency (>= 3.0), low importance ( , 2.5)tasks. Less likely to be critical | 31 |
| Low frequency (< 3.0), low importance (< 2.5) tasks. Very unlikely to be critical | 54 |

| Response Scales | | |
|---|---|---|
| **Frequency** | **Importance** | **Level of Judgment/Mastery** |
| 0. Never | 0. Not important | 0. Do not use/ Advanced beginner skill level |
| 1. Less than monthly | 1. Of little importance | 1. Recall/ Competent skill level |
| 2. Monthly | 2. Moderately important | 2. Application/ Proficient skill level |
| 3. Weekly | 3. Very important | 3. Analysis/Expert skill level |
| 4. Daily | | |

| Survey Item # | Survey Section | Item/Label | Frequency | | | Importance | | | Level of Judgment/Mastery | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | N | Mean | SD | N | Mean | SD | N | Mean | SD |
| 37 | 1.3 Behavioral Sciences | 1.3.3.7 Therapeutic exercise | 453 | 3.99 | 0.09 | 442 | 2.96 | 0.24 | 427 | 2.74 | 0.45 |
| 84 | 3.1.2 Interpreting Data from Hist | 3.1.2.2 Assessing "red flags" and determining need | 277 | 3.82 | 0.45 | 268 | 2.95 | 0.24 | 261 | 2.20 | 0.97 |
| 154 | 3.6 Re-assessment / re-evaluatio | 3.6.1 Assessing intervention response | 227 | 3.89 | 0.44 | 221 | 2.93 | 0.32 | 218 | 2.21 | 0.97 |
| 192 | 6.1 Nervous System | 6.1.1 Cervical Radiculopathy | 224 | 3.36 | 0.73 | 218 | 2.93 | 0.26 | 215 | 2.44 | 0.76 |
| 2 | 1.1 Foundation Sciences | 1.1.1.1 Musculoskeletal system | 640 | 3.96 | 0.21 | 620 | 2.92 | 0.28 | 597 | 2.69 | 0.56 |
| 51 | 2.3 Communication | 2.3.1 Empowering patients | 381 | 3.83 | 0.45 | 371 | 2.92 | 0.30 | 359 | 2.19 | 0.88 |
| 3 | 1.1 Foundation Sciences | 1.1.1.2 Neuromuscular system | 635 | 3.91 | 0.31 | 614 | 2.91 | 0.28 | 592 | 2.73 | 0.51 |
| 193 | 6.1 Nervous System | 6.1.2 Lumbar Radiculopathy | 224 | 3.51 | 0.66 | 218 | 2.90 | 0.31 | 215 | 2.44 | 0.77 |
| 83 | 3.1.2 Interpreting Data from Hist | 3.1.2.1 Developing a working hypothesis of the physical therapy diagnosis | 274 | 3.88 | 0.36 | 266 | 2.90 | 0.32 | 260 | 2.31 | 0.87 |
| 13 | 1.2 Clinical Sciences | 1.2.1.1 Signs and symptoms of disease/injury | 534 | 3.87 | 0.41 | 515 | 2.89 | 0.31 | 495 | 2.64 | 0.61 |
| 155 | 3.6 Re-assessment / re-evaluatio | 3.6.2 Analyzing significance of changes | 227 | 3.82 | 0.50 | 221 | 2.88 | 0.34 | 218 | 2.25 | 0.90 |
| 115 | 3.2 Evaluation | 3.2.2 Developing a working diagnosis | 241 | 3.83 | 0.44 | 235 | 2.88 | 0.35 | 231 | 2.40 | 0.80 |
| 9 | 1.1 Foundation Sciences | 1.1.2.1 Kinesiology/biomechanics | 588 | 3.94 | 0.29 | 569 | 2.88 | 0.36 | 546 | 2.82 | 0.42 |
| 86 | 3.1.3 Planning a Physical Exam | 3.1.3.1 Includes examination techniques | 276 | 3.90 | 0.31 | 267 | 2.88 | 0.34 | 260 | 2.42 | 0.79 |
| 156 | 3.6 Re-assessment / re-evaluatio | 3.6.3 Assessing change | 227 | 3.86 | 0.38 | 222 | 2.87 | 0.35 | 219 | 2.16 | 0.94 |
| 69 | 3.1.1 History | 3.1.1.2.3 Symptom irritability | 325 | 3.89 | 0.37 | 315 | 2.84 | 0.40 | 309 | 2.13 | 1.01 |
| 206 | 6.2 Musculoskeletal System | 6.2.9 Lumbar Disc Pathologies | 221 | 3.61 | 0.63 | 215 | 2.84 | 0.42 | 210 | 2.36 | 0.86 |
| 88 | 3.1.3 Planning a Physical Exam | 3.1.3.3 Considers the nature, severity, and irritability of the symptoms/problems | 275 | 3.92 | 0.30 | 267 | 2.83 | 0.38 | 260 | 2.22 | 0.92 |
| 70 | 3.1.1 History | 3.1.1.2.4 Onset of condition | 324 | 3.85 | 0.40 | 316 | 2.83 | 0.40 | 308 | 2.07 | 1.05 |
| 157 | 3.6 Re-assessment / re-evaluatio | 3.6.4 Re-examining/implementing a modified plan of care | 228 | 3.48 | 0.71 | 222 | 2.82 | 0.39 | 219 | 2.26 | 0.85 |
| 10 | 1.1 Foundation Sciences | 1.1.2.2 Neural control of movement | 590 | 3.86 | 0.43 | 569 | 2.82 | 0.41 | 548 | 2.78 | 0.45 |
| 14 | 1.2 Clinical Sciences | 1.2.1.2 Progression of disease/injury processes | 535 | 3.79 | 0.48 | 516 | 2.81 | 0.39 | 496 | 2.56 | 0.63 |
| 67 | 3.1.1 History | 3.1.1.2.1 Recognition of contributions from multiple body regions | 326 | 3.80 | 0.50 | 317 | 2.81 | 0.42 | 310 | 2.27 | 0.86 |
| 89 | 3.1.3 Planning a Physical Exam | 3.1.3.4 Prioritizes areas, movements, and functional activities | 275 | 3.90 | 0.31 | 267 | 2.81 | 0.41 | 258 | 2.33 | 0.83 |
| 87 | 3.1.3 Planning a Physical Exam | 3.1.3.2 Is comprehensive but has the focus and detail appropriate | 274 | 3.86 | 0.37 | 266 | 2.81 | 0.43 | 258 | 2.37 | 0.78 |
| 73 | 3.1.1 History | 3.1.1.2.7 Goals of the patient, family, and caregiver | 326 | 3.76 | 0.54 | 317 | 2.81 | 0.42 | 311 | 1.94 | 1.10 |
| 198 | 6.2 Musculoskeletal System | 6.2.1 Cervical Disc Pathologies | 222 | 3.45 | 0.75 | 215 | 2.81 | 0.45 | 213 | 2.34 | 0.82 |
| 85 | 3.1.2 Interpreting Data from Hist | 3.1.2.3 Identifying chief and secondary problems | 277 | 3.84 | 0.38 | 269 | 2.81 | 0.40 | 262 | 2.22 | 0.85 |
| 24 | 1.3 Behavioral Sciences | 1.3.1.2 Personal factors | 487 | 3.86 | 0.41 | 470 | 2.81 | 0.41 | 452 | 2.66 | 0.54 |
| 68 | 3.1.1 History | 3.1.1.2.2 Quality and behavior of symptoms | 325 | 3.90 | 0.38 | 315 | 2.81 | 0.43 | 309 | 2.16 | 0.93 |
| 124 | 3.5 Intervention | 3.5.4.1 Concerning diagnosis, prognosis, treatment, responsibility | 233 | 3.78 | 0.52 | 227 | 2.80 | 0.42 | 224 | 2.22 | 0.86 |
| 16 | 1.2 Clinical Sciences | 1.2.1.4 Tissue inflammation, healing, and repair | 536 | 3.81 | 0.44 | 517 | 2.79 | 0.41 | 497 | 2.49 | 0.65 |
| 44 | 2.1 Professional Behavior | 2.1.2 Using patient-centered ethics and values | 407 | 3.70 | 0.65 | 396 | 2.79 | 0.46 | 382 | 2.14 | 0.90 |
| 59 | 2.6 Critical Inquiry and Evidence- | 2.6.1 Applying principles of evidence-based practice in patient/client management | 362 | 3.77 | 0.61 | 352 | 2.79 | 0.49 | 342 | 2.20 | 0.94 |
| 199 | 6.2 Musculoskeletal System | 6.2.2 Cervical Instability | 223 | 2.08 | 1.23 | 217 | 2.79 | 0.46 | 214 | 2.41 | 0.73 |
| 150 | 3.5 Intervention | 3.5.27 Muscle performance exercises | 230 | 3.84 | 0.40 | 224 | 2.79 | 0.43 | 220 | 2.06 | 0.98 |
| 134 | 3.5 Intervention | 3.5.4.11 Graded activity/exercise | 232 | 3.71 | 0.62 | 226 | 2.77 | 0.44 | 223 | 2.26 | 0.84 |
| 75 | 3.1.1 History | 3.1.1.4.1 Physical function | 319 | 3.82 | 0.43 | 309 | 2.77 | 0.44 | 302 | 1.92 | 1.08 |
| 104 | 3.1.5 Test and Measures | 3.1.5.14 Joint integrity | 261 | 3.80 | 0.47 | 253 | 2.75 | 0.48 | 244 | 2.23 | 0.89 |
| 25 | 1.3 Behavioral Sciences | 1.3.1.3 Psychological/emotional conditions | 488 | 3.70 | 0.60 | 471 | 2.75 | 0.44 | 452 | 2.58 | 0.58 |
| 74 | 3.1.1 History | 3.1.1.3 Obtaining data regarding functional status | 317 | 3.77 | 0.51 | 308 | 2.75 | 0.45 | 301 | 1.88 | 1.07 |
| 205 | 6.2 Musculoskeletal System | 6.2.8 Disorders of the Hip | 222 | 3.30 | 0.73 | 216 | 2.74 | 0.47 | 213 | 2.25 | 0.81 |
| 33 | 1.3 Behavioral Sciences | 1.3.3.3 Manual therapy techniques | 452 | 3.84 | 0.48 | 442 | 2.73 | 0.53 | 426 | 2.69 | 0.49 |
| 117 | 3.2 Evaluation | 3.2.4 Referring patient/client to other health care | 241 | 2.80 | 0.93 | 235 | 2.73 | 0.48 | 229 | 2.17 | 0.85 |
| 35 | 1.3 Behavioral Sciences | 1.3.3.5 Motor control and motor learning | 453 | 3.81 | 0.46 | 442 | 2.73 | 0.51 | 426 | 2.62 | 0.54 |
| 197 | 6.1 Nervous System | 6.1.6 Cervical Myelopathy | 224 | 1.66 | 1.08 | 218 | 2.72 | 0.53 | 215 | 2.32 | 0.81 |
| 107 | 3.1.5 Test and Measures | 3.1.5.17 Muscle performance | 251 | 3.79 | 0.47 | 243 | 2.72 | 0.47 | 237 | 1.97 | 1.01 |
| 76 | 3.1.1 History | 3.1.1.4.2 Psychosocial factors | 318 | 3.66 | 0.58 | 308 | 2.72 | 0.49 | 300 | 1.99 | 0.89 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 1.3 Behavioral Sciences | 1.3.3.4 Movement systems impairments | 452 | 3.80 | 0.60 | 440 | 2.72 | 0.56 | 425 | 2.69 | 0.55 |
| 120 | 3.4 Prognosis | 3.4.1 Accounting for the complexity of the patient/client condition | 241 | 3.71 | 0.58 | 235 | 2.71 | 0.52 | 231 | 2.37 | 0.73 |
| 119 | 3.3. Diagnosis | 3.3.1 Organizing examination findings | 241 | 3.63 | 0.72 | 234 | 2.71 | 0.57 | 229 | 2.31 | 0.80 |
| 122 | 3.5 Intervention | 3.5.2 Education/training of functional activities | 234 | 3.77 | 0.47 | 228 | 2.70 | 0.51 | 225 | 2.04 | 1.00 |
| 200 | 6.2 Musculoskeletal System | 6.2.3 Cervical Sprain/Strain | 223 | 3.25 | 0.84 | 217 | 2.70 | 0.49 | 214 | 2.16 | 0.89 |
| 202 | 6.2 Musculoskeletal System | 6.2.5 Chronic Pain Syndromes | 223 | 2.88 | 0.96 | 215 | 2.70 | 0.50 | 212 | 2.37 | 0.70 |
| 201 | 6.2 Musculoskeletal System | 6.2.4 Cervicogenic Headache | 223 | 2.74 | 0.93 | 217 | 2.69 | 0.49 | 212 | 2.38 | 0.73 |
| 113 | 3.1.5 Test and Measures | 3.1.5.23 Task-specific activities | 253 | 3.77 | 0.48 | 246 | 2.69 | 0.49 | 238 | 2.02 | 1.00 |
| 208 | 6.2 Musculoskeletal System | 6.2.11 Lumbar Spondylosis / Spondylolisthesis | 222 | 2.98 | 0.98 | 216 | 2.69 | 0.54 | 213 | 2.32 | 0.83 |
| 137 | 3.5 Intervention | 3.5.14 Non-thrust mobilization/manipulation | 232 | 3.67 | 0.62 | 225 | 2.68 | 0.50 | 221 | 2.28 | 0.80 |
| 39 | 1.3 Behavioral Sciences | 1.3.3.9 Principles of teaching and learning | 454 | 3.70 | 0.65 | 442 | 2.67 | 0.52 | 428 | 2.45 | 0.57 |
| 64 | 3.1.1 History | 3.1.1.1.2 Activity requirements/occupational demands | 331 | 3.60 | 0.77 | 321 | 2.67 | 0.56 | 312 | 1.86 | 1.03 |
| 12 | 1.1 Foundation Sciences | 1.1.2.4 Locomotion | 589 | 3.78 | 0.52 | 569 | 2.67 | 0.54 | 549 | 2.65 | 0.55 |
| 223 | 6.2 Musculoskeletal System | 6.2.26 Spinal stenosis | 220 | 3.10 | 0.91 | 213 | 2.67 | 0.52 | 211 | 2.19 | 0.89 |
| 92 | 3.1.5 Test and Measures | 3.1.5.2 Gait, locomotion, and balance | 265 | 3.76 | 0.52 | 257 | 2.66 | 0.54 | 250 | 1.97 | 0.99 |
| 15 | 1.2 Clinical Sciences | 1.2.1.3 Pathokinesiology | 534 | 3.70 | 0.57 | 516 | 2.66 | 0.54 | 497 | 2.59 | 0.64 |
| 72 | 3.1.1 History | 3.1.1.2.6 Readiness for change | 326 | 3.65 | 0.66 | 317 | 2.66 | 0.51 | 310 | 2.01 | 0.92 |
| 207 | 6.2 Musculoskeletal System | 6.2.10 Lumbar Instability | 222 | 2.72 | 1.13 | 216 | 2.66 | 0.59 | 213 | 2.38 | 0.77 |
| 221 | 6.2 Musculoskeletal System | 6.2.24 Facet dysfunction | 221 | 3.20 | 0.88 | 214 | 2.65 | 0.57 | 212 | 2.31 | 0.82 |
| 222 | 6.2 Musculoskeletal System | 6.2.25 Operative procedure on spinal structure | 220 | 2.45 | 1.02 | 214 | 2.65 | 0.53 | 210 | 2.20 | 0.83 |
| 78 | 3.1.1 History | 3.1.1.6 Obtaining medical/surgical history data | 298 | 3.65 | 0.63 | 286 | 2.65 | 0.49 | 281 | 1.79 | 1.06 |
| 126 | 3.5 Intervention | 3.5.4.3 Addressing pain physiology and dose response | 233 | 3.70 | 0.57 | 228 | 2.65 | 0.54 | 225 | 2.15 | 0.83 |
| 159 | 3.6 Re-assessment / re-evaluatio | 3.6.6 Making referrals to other providers as needed | 228 | 2.54 | 0.93 | 222 | 2.64 | 0.51 | 218 | 2.07 | 0.86 |
| 95 | 3.1.5 Test and Measures | 3.1.5.5 Pain | 266 | 3.93 | 0.25 | 258 | 2.64 | 0.56 | 251 | 2.04 | 1.02 |
| 42 | 1.4 Critical Inquiry for Evidence-I | 1.4.2 Application of research findings | 441 | 3.11 | 0.91 | 430 | 2.63 | 0.51 | 414 | 2.51 | 0.61 |
| 158 | 3.6 Re-assessment / re-evaluatio | 3.6.5 Confirming/modifying goals | 228 | 3.31 | 0.79 | 221 | 2.63 | 0.55 | 219 | 2.01 | 0.95 |
| 40 | 1.3 Behavioral Sciences | 1.3.3.10 Principles of prevention and wellness | 454 | 3.57 | 0.69 | 443 | 2.63 | 0.55 | 428 | 2.31 | 0.61 |
| 90 | 3.1.4 Systems Review | 3.1.4.1 Performing systems review | 266 | 3.61 | 0.65 | 258 | 2.62 | 0.54 | 251 | 1.95 | 0.93 |
| 28 | 1.3 Behavioral Sciences | 1.3.2.2 Peripheral neurogenic/neuropathic pain physiology | 487 | 3.48 | 0.73 | 470 | 2.62 | 0.53 | 451 | 2.47 | 0.64 |
| 27 | 1.3 Behavioral Sciences | 1.3.2.1 Peripheral nociceptive pain physiology | 486 | 3.59 | 0.68 | 469 | 2.62 | 0.54 | 452 | 2.47 | 0.66 |
| 49 | 2.2 Leadership | 2.2.3 Modeling and facilitating the translation of evidence into clinical practice | 397 | 3.07 | 1.04 | 386 | 2.62 | 0.58 | 373 | 2.21 | 0.77 |
| 41 | 1.4 Critical Inquiry for Evidence-I | 1.4.1 Critical interpretation of research findings | 441 | 2.86 | 0.86 | 430 | 2.62 | 0.51 | 416 | 2.54 | 0.65 |
| 128 | 3.5 Intervention | 3.5.5 Injury prevention and wellness promotion | 231 | 3.52 | 0.71 | 225 | 2.62 | 0.52 | 222 | 2.09 | 0.87 |
| 71 | 3.1.1 History | 3.1.1.2.5 Current and previous therapeutic interventions | 326 | 3.77 | 0.50 | 316 | 2.62 | 0.52 | 309 | 2.03 | 1.05 |
| 29 | 1.3 Behavioral Sciences | 1.3.2.3 Central nervous system/nociplastic pain physiology | 487 | 3.34 | 0.87 | 470 | 2.62 | 0.54 | 452 | 2.44 | 0.69 |
| 209 | 6.2 Musculoskeletal System | 6.2.12 Lumbar Strain | 222 | 3.35 | 0.77 | 216 | 2.62 | 0.57 | 213 | 2.11 | 1.00 |
| 161 | 3.7 Outcomes Assessment | 3.7.2 Assessing patient satisfaction | 225 | 3.36 | 0.86 | 219 | 2.61 | 0.59 | 216 | 1.77 | 0.99 |
| 131 | 3.5 Intervention | 3.5.8 Pain neuroscience education | 231 | 3.41 | 0.81 | 225 | 2.60 | 0.57 | 223 | 2.19 | 0.78 |
| 55 | 2.5 Education | 2.5.1 Contributing to the professional development of other physical therapists | 366 | 2.47 | 1.03 | 356 | 2.60 | 0.57 | 346 | 2.37 | 0.72 |
| 46 | 2.1 Professional Behavior | 2.1.4 Maintaining state-of-the-art knowledge and skills | 407 | 2.11 | 0.95 | 397 | 2.60 | 0.58 | 383 | 1.94 | 0.96 |
| 50 | 2.2 Leadership | 2.2.4 Acting as an expert resource | 397 | 2.76 | 1.08 | 387 | 2.59 | 0.61 | 373 | 2.55 | 0.71 |
| 21 | 1.2 Clinical Sciences | 1.2.2.5 Spine surgical interventions | 534 | 2.99 | 0.90 | 516 | 2.59 | 0.57 | 498 | 2.24 | 0.73 |
| 53 | 2.4 Advocacy | 2.4.1 Promoting the orthopaedic spine physical therapist | 381 | 2.88 | 1.16 | 371 | 2.59 | 0.62 | 357 | 2.14 | 0.91 |
| 143 | 3.5 Intervention | 3.5.4.20 Directional preference exercises/activities | 230 | 3.47 | 0.73 | 224 | 2.58 | 0.57 | 221 | 2.10 | 0.92 |
| 99 | 3.1.5 Test and Measures | 3.1.5.9 Neurodynamics | 259 | 3.42 | 0.72 | 251 | 2.57 | 0.56 | 244 | 2.09 | 0.82 |
| 149 | 3.5 Intervention | 3.5.26 Motor coordination | 229 | 3.54 | 0.75 | 222 | 2.57 | 0.56 | 219 | 2.01 | 0.88 |
| 123 | 3.5 Intervention | 3.5.3 Education/training of activities of daily living | 235 | 3.61 | 0.64 | 229 | 2.56 | 0.61 | 225 | 1.93 | 0.99 |
| 102 | 3.1.5 Test and Measures | 3.1.5.12 Motor control and coordination | 261 | 3.49 | 0.89 | 252 | 2.55 | 0.62 | 244 | 2.15 | 0.80 |
| 210 | 6.2 Musculoskeletal System | 6.2.13 Other Disorders of the Lumbar Spine | 220 | 2.90 | 1.00 | 212 | 2.55 | 0.57 | 209 | 2.21 | 0.84 |
| 127 | 3.5 Intervention | 3.5.4.4 Addressing prevention and wellness | 234 | 3.41 | 0.79 | 228 | 2.54 | 0.57 | 224 | 1.97 | 0.91 |
| 101 | 3.1.5 Test and Measures | 3.1.5.11 Reflex integrity | 260 | 3.35 | 0.83 | 252 | 2.54 | 0.61 | 245 | 1.90 | 1.01 |
| 195 | 6.1 Nervous System | 6.1.4 Other peripheral neural impingements | 222 | 2.17 | 1.07 | 217 | 2.54 | 0.60 | 214 | 2.33 | 0.72 |
| 63 | 3.1.1 History | 3.1.1.1.1 Current and prior work | 331 | 3.54 | 0.85 | 321 | 2.54 | 0.61 | 311 | 1.83 | 1.04 |
| 132 | 3.5 Intervention | 3.5.9 Graded exposure | 230 | 3.20 | 0.93 | 224 | 2.54 | 0.62 | 221 | 2.13 | 0.79 |
| 77 | 3.1.1 History | 3.1.1.5 Obtaining data regarding social/health habits | 298 | 3.54 | 0.72 | 288 | 2.53 | 0.57 | 280 | 1.73 | 0.99 |
| 112 | 3.1.5 Test and Measures | 3.1.5.22 Soft tissue quality | 251 | 3.74 | 0.58 | 244 | 2.53 | 0.60 | 237 | 2.04 | 0.96 |
| 160 | 3.7 Outcomes Assessment | 3.7.1 Assessing remediation of activity and participation limitations | 223 | 3.36 | 0.69 | 217 | 2.53 | 0.57 | 213 | 2.01 | 0.84 |
| 100 | 3.1.5 Test and Measures | 3.1.5.10 Sensory integrity | 261 | 3.32 | 0.87 | 252 | 2.52 | 0.61 | 245 | 1.95 | 0.93 |
| 23 | 1.3 Behavioral Sciences | 1.3.1.1 External environmental factors | 489 | 3.54 | 0.75 | 471 | 2.52 | 0.62 | 453 | 2.45 | 0.66 |
| 163 | 3.7 Outcomes Assessment | 3.7.4 Assessing improvement | 224 | 3.28 | 0.80 | 218 | 2.52 | 0.61 | 213 | 1.97 | 0.91 |
| 93 | 3.1.5 Test and Measures | 3.1.5.3 Work (job/school/play), community and leisure integration | 267 | 3.43 | 0.77 | 258 | 2.52 | 0.59 | 251 | 1.85 | 0.93 |

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|---|---|---|---|---|---|---|---|---|---|
| 32 | 1.3 Behavioral Sciences | 1.3.3.2 Exercise physiology across the lifespan | 453 | 3.53 | 0.73 | 439 | 2.51 | 0.58 | 424 | 2.32 | 0.67 |
| 11 | 1.1 Foundation Sciences | 1.1.2.3 Ergonomics | 589 | 3.54 | 0.67 | 569 | 2.51 | 0.60 | 549 | 2.46 | 0.59 |
| 224 | 6.2 Musculoskeletal System | 6.2.27 Oncological Disorders | 220 | 1.28 | 0.92 | 208 | 2.50 | 0.73 | 206 | 2.00 | 0.88 |
| 31 | 1.3 Behavioral Sciences | 1.3.3.1 Biopsychosocial model | 451 | 3.41 | 0.94 | 440 | 2.50 | 0.69 | 424 | 2.38 | 0.77 |
| 52 | 2.3 Communication | 2.3.2 Facilitating collaborative and multidisciplinary team management | 382 | 2.85 | 0.98 | 372 | 2.50 | 0.64 | 360 | 2.04 | 0.79 |
| 43 | 2.1 Professional Behavior | 2.1.1 Consulting with and/or educating peers, colleagues, other | 408 | 2.46 | 1.02 | 397 | 2.50 | 0.60 | 385 | 2.14 | 0.75 |
| 214 | 6.2 Musculoskeletal System | 6.2.17 Inflammatory Conditions | 222 | 1.80 | 0.99 | 214 | 2.49 | 0.60 | 210 | 2.10 | 0.80 |
| 91 | 3.1.5 Test and Measures | 3.1.5.1 Ergonomics and body mechanics | 266 | 3.56 | 0.68 | 258 | 2.48 | 0.62 | 250 | 1.93 | 0.98 |
| 26 | 1.3 Behavioral Sciences | 1.3.1.4 Impact of behavioral health risk factors | 488 | 3.37 | 0.80 | 471 | 2.48 | 0.58 | 452 | 2.11 | 0.72 |
| 138 | 3.5 Intervention | 3.5.15 Thrust mobilization/manipulation | 232 | 3.05 | 1.07 | 226 | 2.48 | 0.67 | 222 | 2.42 | 0.78 |
| 139 | 3.5 Intervention | 3.5.16 Soft tissue mobilization | 231 | 3.54 | 0.80 | 226 | 2.48 | 0.68 | 222 | 2.13 | 0.91 |
| 203 | 6.2 Musculoskeletal System | 6.2.6 Other Disorders of Cervical Spine | 223 | 2.67 | 1.10 | 216 | 2.48 | 0.61 | 212 | 2.15 | 0.77 |
| 58 | 2.5 Education | 2.5.4 Educating other health care professionals | 362 | 2.03 | 1.01 | 351 | 2.46 | 0.64 | 342 | 1.98 | 0.89 |
| 103 | 3.1.5 Test and Measures | 3.1.5.13 Biopsychosocial functioning | 261 | 3.14 | 0.95 | 252 | 2.46 | 0.62 | 244 | 1.89 | 0.88 |
| 136 | 3.5 Intervention | 3.5.4.13 Neural mobilization | 232 | 3.20 | 0.86 | 226 | 2.46 | 0.63 | 223 | 2.07 | 0.86 |
| 125 | 3.5 Intervention | 3.5.4.2 Using the biopsychosocial/biomedical models | 233 | 3.43 | 0.89 | 227 | 2.45 | 0.69 | 224 | 2.06 | 0.87 |
| 164 | 3.7 Outcomes Assessment | 3.7.5 Using applicable, evidence-based outcomes measurement tools | 223 | 3.25 | 0.88 | 217 | 2.45 | 0.63 | 214 | 1.74 | 1.05 |
| 38 | 1.3 Behavioral Sciences | 1.3.3.8 Models of differential diagnosis and clinical reasoning | 447 | 3.37 | 1.13 | 433 | 2.44 | 0.84 | 418 | 2.41 | 0.90 |
| 212 | 6.2 Musculoskeletal System | 6.2.15 Sacroiliac Dysfunction | 222 | 2.50 | 1.10 | 215 | 2.44 | 0.68 | 212 | 2.25 | 0.79 |
| 111 | 3.1.5 Test and Measures | 3.1.5.21 Flexibility | 253 | 3.68 | 0.59 | 246 | 2.43 | 0.63 | 239 | 1.87 | 1.02 |
| 65 | 3.1.1 History | 3.1.1.1.3 Ergonomic considerations | 331 | 3.37 | 0.82 | 321 | 2.43 | 0.64 | 312 | 1.77 | 0.96 |
| 109 | 3.1.5 Test and Measures | 3.1.5.19 Posture | 253 | 3.68 | 0.61 | 246 | 2.43 | 0.67 | 239 | 1.92 | 1.03 |
| 57 | 2.5 Education | 2.5.3 Educating the public regarding spine conditions | 366 | 2.24 | 1.22 | 356 | 2.42 | 0.67 | 346 | 1.92 | 0.90 |
| 194 | 6.1 Nervous System | 6.1.3 Thoracic Outlet Syndrome | 222 | 1.79 | 1.01 | 215 | 2.42 | 0.66 | 212 | 2.26 | 0.79 |
| 140 | 3.5 Intervention | 3.5.17 Mobilization with movement | 230 | 3.31 | 0.81 | 224 | 2.41 | 0.66 | 221 | 2.12 | 0.80 |
| 97 | 3.1.5 Test and Measures | 3.1.5.7 Circulation | 261 | 2.90 | 0.99 | 253 | 2.41 | 0.63 | 246 | 1.87 | 0.89 |
| 121 | 3.5 Intervention | 3.5.1 Ergonomics | 235 | 3.41 | 0.81 | 228 | 2.40 | 0.63 | 225 | 1.92 | 0.90 |
| 79 | 3.1.1 History | 3.1.1.7 Obtaining data regarding medication usage | 298 | 3.53 | 0.71 | 288 | 2.39 | 0.60 | 282 | 1.70 | 0.95 |
| 216 | 6.2 Musculoskeletal System | 6.2.19 Thoracic Sprain/Strain | 220 | 2.41 | 1.00 | 214 | 2.39 | 0.65 | 211 | 2.12 | 0.86 |
| 110 | 3.1.5 Test and Measures | 3.1.5.20 Tissue-specific diagnostic tests | 252 | 3.55 | 0.72 | 245 | 2.39 | 0.71 | 238 | 2.07 | 0.90 |
| 148 | 3.5 Intervention | 3.5.25 Aerobic capacity and endurance exercises | 230 | 3.26 | 0.94 | 224 | 2.38 | 0.67 | 221 | 1.81 | 0.98 |
| 108 | 3.1.5 Test and Measures | 3.1.5.18 Neuromotor development and sensory integration | 251 | 3.18 | 0.93 | 243 | 2.37 | 0.63 | 236 | 1.95 | 0.86 |
| 118 | 3.2 Evaluation | 3.2.5 Considering implications of exam findings | 238 | 3.19 | 1.10 | 231 | 2.37 | 0.73 | 227 | 1.95 | 0.91 |
| 219 | 6.2 Musculoskeletal System | 6.2.22 Curvature of the spine | 221 | 2.10 | 1.13 | 212 | 2.35 | 0.65 | 209 | 2.02 | 0.85 |
| 80 | 3.1.1 History | 3.1.1.8 Obtaining data regarding social history | 298 | 3.39 | 0.83 | 289 | 2.35 | 0.67 | 281 | 1.65 | 0.98 |
| 105 | 3.1.5 Test and Measures | 3.1.5.15 Community, home, and work barriers | 249 | 3.18 | 0.89 | 243 | 2.35 | 0.65 | 235 | 1.72 | 0.92 |
| 61 | 2.6 Critical Inquiry and Evidence | 2.6.3 Evaluating the efficacy and effectiveness of tools | 363 | 2.23 | 1.19 | 353 | 2.34 | 0.72 | 343 | 1.99 | 0.91 |
| 116 | 3.2 Evaluation | 3.2.3 Incorporating data from ancillary testing | 241 | 3.27 | 0.76 | 235 | 2.33 | 0.63 | 231 | 1.99 | 0.76 |
| 20 | 1.2 Clinical Sciences | 1.2.2.4 Nonsurgical interventional spine procedures | 533 | 2.95 | 0.90 | 514 | 2.33 | 0.63 | 497 | 2.06 | 0.77 |
| 215 | 6.2 Musculoskeletal System | 6.2.18 Rib Dysfunction | 220 | 1.96 | 1.07 | 213 | 2.32 | 0.75 | 209 | 2.19 | 0.77 |
| 129 | 3.5 Intervention | 3.5.6 Sleep hygiene education | 232 | 3.02 | 0.94 | 226 | 2.31 | 0.70 | 223 | 1.81 | 0.83 |
| 213 | 6.2 Musculoskeletal System | 6.2.16 Other Disorders of the Pelvic Girdle | 222 | 2.11 | 1.14 | 213 | 2.31 | 0.69 | 207 | 2.07 | 0.77 |
| 54 | 2.4 Advocacy | 2.4.2 Advocating for orthopaedic spine physical therapy practice | 381 | 1.47 | 1.09 | 369 | 2.30 | 0.71 | 354 | 1.80 | 1.00 |
| 162 | 3.7 Outcomes Assessment | 3.7.3 Assessing promotion of primary and secondary prevention | 224 | 3.05 | 0.88 | 217 | 2.29 | 0.63 | 213 | 1.84 | 0.86 |
| 204 | 6.2 Musculoskeletal System | 6.2.7 Temporomandibular Dysfunction | 221 | 1.52 | 1.09 | 213 | 2.27 | 0.68 | 208 | 2.05 | 0.87 |
| 98 | 3.1.5 Test and Measures | 3.1.5.8 Aerobic capacity and endurance | 261 | 2.80 | 1.06 | 252 | 2.26 | 0.68 | 245 | 1.69 | 0.91 |
| 47 | 2.2 Leadership | 2.2.1 Representing orthopaedic spine physical therapy | 398 | 1.97 | 1.05 | 387 | 2.26 | 0.70 | 372 | 2.02 | 0.86 |
| 217 | 6.2 Musculoskeletal System | 6.2.20 Thoracic Disc Pathologies | 219 | 1.59 | 1.00 | 212 | 2.25 | 0.72 | 209 | 2.09 | 0.82 |
| 218 | 6.2 Musculoskeletal System | 6.2.21 Other Disorders of the Thoracic Spine | 217 | 2.00 | 1.07 | 210 | 2.22 | 0.72 | 207 | 2.00 | 0.82 |
| 4 | 1.1 Foundation Sciences | 1.1.1.3 Cardiovascular and pulmonary systems | 636 | 2.89 | 0.97 | 615 | 2.21 | 0.63 | 593 | 2.03 | 0.72 |
| 114 | 3.2 Evaluation | 3.2.1 Using the ICF model | 239 | 3.03 | 1.29 | 233 | 2.21 | 0.91 | 228 | 1.83 | 1.01 |
| 7 | 1.1 Foundation Sciences | 1.1.1.6 Histology (e.g., connective tissue, muscle fiber type, immunity) | 631 | 3.07 | 1.08 | 609 | 2.20 | 0.71 | 589 | 2.07 | 0.78 |
| 142 | 3.5 Intervention | 3.5.19 Traction/distraction | 231 | 2.97 | 0.97 | 225 | 2.20 | 0.75 | 221 | 1.92 | 0.97 |
| 82 | 3.1.1 History | 3.1.1.10 Obtaining data on living environment and community characteristics | 298 | 3.35 | 0.92 | 288 | 2.18 | 0.70 | 281 | 1.51 | 1.07 |
| 211 | 6.2 Musculoskeletal System | 6.2.14 Piriformis Syndrome | 221 | 2.10 | 1.06 | 213 | 2.18 | 0.82 | 209 | 1.99 | 0.94 |
| 141 | 3.5 Intervention | 3.5.18 Muscle energy techniques | 232 | 2.88 | 1.16 | 226 | 2.14 | 0.79 | 222 | 1.95 | 0.88 |
| 45 | 2.1 Professional Behavior | 2.1.3 Maintaining active participation in professional organizations | 405 | 1.92 | 1.01 | 395 | 2.12 | 0.74 | 381 | 1.50 | 0.96 |
| 62 | 2.6 Critical Inquiry and Evidence | 2.6.4 Identifying research needs within the field | 364 | 1.38 | 0.97 | 352 | 2.11 | 0.75 | 340 | 1.84 | 1.03 |
| 30 | 1.3 Behavioral Sciences | 1.3.2.4 Output mechanisms and expressions | 487 | 2.75 | 1.02 | 470 | 2.11 | 0.72 | 450 | 1.94 | 0.81 |
| 18 | 1.2 Clinical Sciences | 1.2.2.2 Pharmacology | 535 | 3.08 | 0.91 | 517 | 2.10 | 0.60 | 498 | 1.73 | 0.74 |
| 6 | 1.1 Foundation Sciences | 1.1.1.5 Human growth and development across the lifespan | 634 | 2.66 | 1.14 | 613 | 2.08 | 0.71 | 591 | 1.95 | 0.82 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 106 | 3.1.5 Test and Measures | 3.1.5.16 Integumentary integrity | 250 | 2.86 | 1.03 | 243 | 2.07 | 0.69 | 236 | 1.47 | 0.91 |
| 17 | 1.2 Clinical Sciences | 1.2.2.1 Imaging studies | 536 | 3.08 | 0.82 | 518 | 2.07 | 0.64 | 499 | 2.14 | 0.72 |
| 81 | 3.1.1 History | 3.1.1.9 Obtaining general demographic information | 298 | 3.42 | 0.89 | 288 | 2.05 | 0.78 | 281 | 1.43 | 1.06 |
| 196 | 6.1 Nervous System | 6.1.5 Meralgia paresthetica | 222 | 1.22 | 0.88 | 214 | 2.04 | 0.76 | 212 | 2.00 | 0.86 |
| 133 | 3.5 Intervention | 3.5.10 Graded motor imagery | 231 | 2.22 | 1.18 | 223 | 2.04 | 0.76 | 220 | 1.88 | 0.89 |
| 220 | 6.2 Musculoskeletal System | 6.2.23 Diastasis recti | 220 | 1.35 | 1.01 | 211 | 2.04 | 0.83 | 206 | 1.71 | 0.85 |
| 96 | 3.1.5 Test and Measures | 3.1.5.6 Anthropometric characteristics | 267 | 3.01 | 1.00 | 258 | 2.03 | 0.69 | 251 | 1.51 | 0.96 |
| 130 | 3.5 Intervention | 3.5.7 Nutritional education | 232 | 2.46 | 0.98 | 226 | 2.03 | 0.70 | 222 | 1.58 | 0.88 |
| 60 | 2.6 Critical Inquiry and Evidence | 2.6.2 Contributing to the body of evidence in orthopaedic spine | 364 | 1.12 | 0.91 | 352 | 2.03 | 0.73 | 341 | 1.89 | 1.03 |
| 94 | 3.1.5 Test and Measures | 3.1.5.4 Adaptive and supportive devices | 266 | 2.81 | 0.98 | 258 | 2.03 | 0.72 | 251 | 1.66 | 0.88 |
| 48 | 2.2 Leadership | 2.2.2 Planning, directing, organizing, and managing resources | 396 | 2.35 | 1.30 | 383 | 2.00 | 0.86 | 369 | 1.68 | 0.91 |
| 66 | 3.1.1 History | 3.1.1.1.4 Utilization of adaptive and supportive devices | 331 | 2.67 | 1.06 | 321 | 1.98 | 0.76 | 312 | 1.63 | 0.88 |
| 225 | 6.2 Musculoskeletal System | 6.2.28 Torticollis | 220 | 0.93 | 0.92 | 209 | 1.98 | 0.91 | 205 | 1.66 | 0.93 |
| 8 | 1.1 Foundation Sciences | 1.1.1.7 Other systems (e.g., endocrine, digestive, genitourinary) | 634 | 2.48 | 1.12 | 612 | 1.95 | 0.67 | 591 | 1.83 | 0.85 |
| 56 | 2.5 Education | 2.5.2 Promoting awareness and benefits of fellowship programs | 367 | 1.46 | 1.09 | 355 | 1.93 | 0.87 | 339 | 1.78 | 0.97 |
| 36 | 1.3 Behavioral Sciences | 1.3.3.6 Theory and application of orthotic, protective, and supportive devices | 454 | 2.36 | 0.99 | 442 | 1.93 | 0.69 | 425 | 1.97 | 0.73 |
| 135 | 3.5 Intervention | 3.5.4.12 Protective, adaptive or supportive device or equipment | 231 | 2.52 | 1.01 | 224 | 1.92 | 0.71 | 221 | 1.67 | 0.83 |
| 5 | 1.1 Foundation Sciences | 1.1.1.4 Integumentary system | 634 | 2.59 | 1.14 | 613 | 1.87 | 0.69 | 592 | 1.77 | 0.77 |
| 19 | 1.2 Clinical Sciences | 1.2.2.3 Ancillary tests | 534 | 2.37 | 1.03 | 516 | 1.87 | 0.66 | 496 | 1.70 | 0.81 |
| 227 | 6.2 Musculoskeletal System | 6.2.30 Scheuermann's Disease | 220 | 0.95 | 0.84 | 207 | 1.86 | 0.84 | 203 | 1.56 | 0.92 |
| 152 | 3.5 Intervention | 3.5.28.2 Mindfulness | 230 | 2.25 | 1.31 | 221 | 1.84 | 0.82 | 215 | 1.34 | 0.88 |
| 226 | 6.2 Musculoskeletal System | 6.2.29 Klippel-Feil Syndrome | 220 | 0.59 | 0.79 | 200 | 1.74 | 0.93 | 199 | 1.49 | 1.02 |
| 147 | 3.5 Intervention | 3.5.24 Dry needling | 230 | 1.73 | 1.52 | 221 | 1.60 | 0.98 | 213 | 1.87 | 1.06 |
| 151 | 3.5 Intervention | 3.5.28.1 Meditation | 230 | 1.69 | 1.24 | 222 | 1.57 | 0.82 | 213 | 1.25 | 0.87 |
| 22 | 1.2 Clinical Sciences | 1.2.2.6 Developments in genetics/regenerative medicine | 534 | 1.47 | 1.03 | 514 | 1.47 | 0.75 | 496 | 1.17 | 0.84 |
| 144 | 3.5 Intervention | 3.5.4.21 Electro-therapeutic modalitie | 230 | 2.08 | 1.23 | 224 | 1.39 | 0.87 | 221 | 1.31 | 1.02 |
| 145 | 3.5 Intervention | 3.5.4.22 Thermo-therapeutic modalities | 233 | 2.12 | 1.32 | 226 | 1.26 | 0.81 | 221 | 1.19 | 1.06 |
| 146 | 3.5 Intervention | 3.5.23 Photo-therapeutic modalities | 229 | 0.62 | 1.04 | 221 | 0.67 | 0.78 | 212 | 0.77 | 0.91 |
| 153 | 3.5 Intervention | 3.5.28.3 Hypnosis | 229 | 0.18 | 0.57 | 218 | 0.39 | 0.64 | 194 | 0.90 | 1.25 |

## Frequency of Responses in Survey Order

### Part 1. Foundation Sciences

| | | | | # Responses | Frequency | | | | | Percentage | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Daily / Very Important / Analysis | Weekly / Moderately Important / Application | Monthly / Little Importance / Recall | Less than once a month / Not Important / Do not use | Never | Daily / Very Important / Analysis | Weekly / Moderately Important / Application | Monthly / Little Importance / Recall | Less than once a month / Not Important / Do not use | Never |
| Part 1 | 1.1 Foundation Sciences | 1.1.1.1 Musculoskeletal system. | Frequency | 640 | 618 | 20 | 2 | | | 96.6% | 3.1% | 0.3% | | |
| | | | Importance | 620 | 572 | 46 | 2 | | | 92.3% | 7.4% | 0.3% | | |
| | | | Level of Judgment | 597 | 440 | 127 | 30 | | | 73.7% | 21.3% | 5.0% | | |
| | | 1.1.1.2 Neuromuscular system. | Frequency | 635 | 585 | 45 | 5 | | | 92.1% | 7.1% | 0.8% | | |
| | | | Importance | 614 | 561 | 53 | | | | 91.4% | 8.6% | | | |
| | | | Level of Judgment | 592 | 454 | 119 | 19 | | | 76.7% | 20.1% | 3.2% | | |
| | | 1.1.1.3 Cardiovascular and pulmonary sy | Frequency | 636 | 190 | 262 | 113 | 67 | 4 | 29.9% | 41.2% | 17.8% | 10.5% | 0.6% |
| | | | Importance | 615 | 200 | 348 | 66 | 1 | | 32.5% | 56.6% | 10.7% | 0.2% | |
| | | | Level of Judgment | 593 | 159 | 296 | 134 | 4 | | 26.8% | 49.9% | 22.6% | 0.7% | |
| | | 1.1.1.4 Integumentary system. | Frequency | 634 | 162 | 208 | 124 | 125 | 15 | 25.6% | 32.8% | 19.6% | 19.7% | 2.4% |
| | | | Importance | 613 | 103 | 339 | 162 | 9 | | 16.8% | 55.3% | 26.4% | 1.5% | |
| | | | Level of Judgment | 592 | 110 | 250 | 218 | 14 | | 18.6% | 42.2% | 36.8% | 2.4% | |
| | | 1.1.1.5 Human growth and development | Frequency | 634 | 190 | 176 | 142 | 115 | 11 | 30.0% | 27.8% | 22.4% | 18.1% | 1.7% |
| | | | Importance | 613 | 176 | 319 | 111 | 7 | | 28.7% | 52.0% | 18.1% | 1.1% | |
| | | | Level of Judgment | 591 | 169 | 238 | 170 | 14 | | 28.6% | 40.3% | 28.8% | 2.4% | |
| | | 1.1.1.6 Histology (e.g., connective tissue, | Frequency | 631 | 286 | 193 | 74 | 66 | 12 | 45.3% | 30.6% | 11.7% | 10.5% | 1.9% |
| | | | Importance | 609 | 218 | 302 | 82 | 7 | | 35.8% | 49.6% | 13.5% | 1.1% | |
| | | | Level of Judgment | 589 | 196 | 246 | 141 | 6 | | 33.3% | 41.8% | 23.9% | 1.0% | |
| | | 1.1.1.7 Other systems (e.g., endocrine, d | Frequency | 634 | 139 | 191 | 149 | 143 | 12 | 21.9% | 30.1% | 23.5% | 22.6% | 1.9% |
| | | | Importance | 612 | 116 | 356 | 132 | 8 | | 19.0% | 58.2% | 21.6% | 1.3% | |
| | | | Level of Judgment | 591 | 155 | 197 | 223 | 16 | | 26.2% | 33.3% | 37.7% | 2.7% | |
| | | 1.1.2.1 Kinesiology/biomechanics. | Frequency | 588 | 557 | 27 | 2 | 2 | | 94.7% | 4.6% | 0.3% | 0.3% | |
| | | | Importance | 569 | 507 | 56 | 6 | | | 89.1% | 9.8% | 1.1% | | |
| | | | Level of Judgment | 546 | 457 | 80 | 9 | | | 83.7% | 14.7% | 1.6% | | |
| | | 1.1.2.2 Neural control of movement. | Frequency | 590 | 518 | 63 | 6 | 2 | 1 | 87.8% | 10.7% | 1.0% | 0.3% | 0.2% |
| | | | Importance | 569 | 469 | 96 | 3 | 1 | | 82.4% | 16.9% | 0.5% | 0.2% | |
| | | | Level of Judgment | 548 | 432 | 110 | 5 | 1 | | 78.8% | 20.1% | 0.9% | 0.2% | |
| | | 1.1.2.3 Ergonomics. | Frequency | 589 | 365 | 185 | 31 | 7 | 1 | 62.0% | 31.4% | 5.3% | 1.2% | 0.2% |
| | | | Importance | 569 | 321 | 218 | 29 | 1 | | 56.4% | 38.3% | 5.1% | 0.2% | |
| | | | Level of Judgment | 549 | 279 | 246 | 23 | 1 | | 50.8% | 44.8% | 4.2% | 0.2% | |
| | | 1.1.2.4 Locomotion. | Frequency | 589 | 482 | 92 | 8 | 7 | | 81.8% | 15.6% | 1.4% | 1.2% | |
| | | | Importance | 569 | 399 | 153 | 16 | 1 | | 70.1% | 26.9% | 2.8% | 0.2% | |
| | | | Level of Judgment | 549 | 378 | 153 | 17 | 1 | | 68.9% | 27.9% | 3.1% | 0.2% | |
| | 1.2 Clinical Sciences | 1.2.1.1 Signs and symptoms of disease/i | Frequency | 534 | 480 | 44 | 7 | 3 | | 89.9% | 8.2% | 1.3% | 0.6% | |
| | | | Importance | 515 | 458 | 57 | | | | 88.9% | 11.1% | | | |
| | | | Level of Judgment | 495 | 350 | 110 | 35 | | | 70.7% | 22.2% | 7.1% | | |
| | | 1.2.1.2 Progression of disease/injury pro | Frequency | 535 | 436 | 87 | 10 | 2 | | 81.5% | 16.3% | 1.9% | 0.4% | |
| | | | Importance | 516 | 421 | 94 | 1 | | | 81.6% | 18.2% | 0.2% | | |
| | | | Level of Judgment | 496 | 312 | 148 | 36 | | | 62.9% | 29.8% | 7.3% | | |
| | | 1.2.1.3 Pathokinesiology. | Frequency | 534 | 403 | 108 | 19 | 4 | | 75.5% | 20.2% | 3.6% | 0.7% | |
| | | | Importance | 516 | 356 | 146 | 13 | 1 | | 69.0% | 28.3% | 2.5% | 0.2% | |
| | | | Level of Judgment | 497 | 334 | 123 | 39 | 1 | | 67.2% | 24.7% | 7.8% | 0.2% | |
| | | 1.2.1.4 Tissue inflammation, healing, anc | Frequency | 536 | 446 | 80 | 10 | | | 83.2% | 14.9% | 1.9% | | |
| | | | Importance | 517 | 411 | 105 | 1 | | | 79.5% | 20.3% | 0.2% | | |
| | | | Level of Judgment | 497 | 284 | 171 | 42 | | | 57.1% | 34.4% | 8.5% | | |
| | | 1.2.2.1 Imaging studies. | Frequency | 536 | 170 | 266 | 76 | 20 | 4 | 31.7% | 49.6% | 14.2% | 3.7% | 0.7% |
| | | | Importance | 518 | 121 | 317 | 76 | 4 | | 23.4% | 61.2% | 14.7% | 0.8% | |
| | | | Level of Judgment | 499 | 166 | 242 | 88 | 3 | | 33.3% | 48.5% | 17.6% | 0.6% | |
| | | 1.2.2.2 Pharmacology. | Frequency | 535 | 201 | 215 | 83 | 32 | 4 | 37.6% | 40.2% | 15.5% | 6.0% | 0.7% |
| | | | Importance | 517 | 119 | 334 | 62 | 2 | | 23.0% | 64.6% | 12.0% | 0.4% | |
| | | | Level of Judgment | 498 | 80 | 212 | 200 | 6 | | 16.1% | 42.6% | 40.2% | 1.2% | |
| | | 1.2.2.3 Ancillary tests (e.g., lab studies, E | Frequency | 534 | 67 | 193 | 167 | 85 | 22 | 12.5% | 36.1% | 31.3% | 15.9% | 4.1% |
| | | | Importance | 516 | 72 | 314 | 120 | 10 | | 14.0% | 60.9% | 23.3% | 1.9% | |
| | | | Level of Judgment | 496 | 91 | 186 | 200 | 19 | | 18.3% | 37.5% | 40.3% | 3.8% | |
| | | 1.2.2.4 Nonsurgical interventional spine | Frequency | 533 | 158 | 228 | 113 | 29 | 5 | 29.6% | 42.8% | 21.2% | 5.4% | 0.9% |
| | | | Importance | 514 | 214 | 258 | 40 | 2 | | 41.6% | 50.2% | 7.8% | 0.4% | |
| | | | Level of Judgment | 497 | 157 | 219 | 116 | 5 | | 31.6% | 44.1% | 23.3% | 1.0% | |
| | | 1.2.2.5 Spine surgical interventions and t | Frequency | 534 | 175 | 211 | 117 | 28 | 3 | 32.8% | 39.5% | 21.9% | 5.2% | 0.6% |
| | | | Importance | 516 | 324 | 173 | 18 | 1 | | 62.8% | 33.5% | 3.5% | 0.2% | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Level of Judgment | 498 | 204 | 212 | 79 | 3 | | 41.0% | 42.6% | 15.9% | 0.6% | | |
| | 1.2.2.6 Developments in genetics/regene | Frequency | 534 | 17 | 71 | 153 | 198 | 95 | 3.2% | 13.3% | 28.7% | 37.1% | 17.8% | |
| | | Importance | 514 | 33 | 226 | 207 | 48 | | 6.4% | 44.0% | 40.3% | 9.3% | | |
| | | Level of Judgment | 496 | 37 | 115 | 240 | 104 | | 7.5% | 23.2% | 48.4% | 21.0% | | |
| 1.3 Behavioral Sciences | 1.3.1.1 External environmental factors (e | Frequency | 489 | 324 | 118 | 33 | 13 | 1 | 66.3% | 24.1% | 6.7% | 2.7% | 0.2% | |
| | | Importance | 471 | 274 | 172 | 22 | 3 | | 58.2% | 36.5% | 4.7% | 0.6% | | |
| | | Level of Judgment | 453 | 241 | 175 | 35 | 2 | | 53.2% | 38.6% | 7.7% | 0.4% | | |
| | 1.3.1.2 Personal factors (e.g., compliance | Frequency | 487 | 428 | 48 | 11 | | | 87.9% | 9.9% | 2.3% | | | |
| | | Importance | 470 | 382 | 85 | 3 | | | 81.3% | 18.1% | 0.6% | | | |
| | | Level of Judgment | 452 | 315 | 122 | 15 | | | 69.7% | 27.0% | 3.3% | | | |
| | 1.3.1.3 Psychological/emotional conditio | Frequency | 488 | 370 | 94 | 18 | 6 | | 75.8% | 19.3% | 3.7% | 1.2% | | |
| | | Importance | 471 | 355 | 114 | 2 | | | 75.4% | 24.2% | 0.4% | | | |
| | | Level of Judgment | 452 | 285 | 145 | 22 | | | 63.1% | 32.1% | 4.9% | | | |
| | 1.3.1.4 Impact of behavioral health risk f | Frequency | 488 | 263 | 160 | 49 | 16 | | 53.9% | 32.8% | 10.0% | 3.3% | | |
| | | Importance | 471 | 247 | 205 | 19 | | | 52.4% | 43.5% | 4.0% | | | |
| | | Level of Judgment | 452 | 145 | 213 | 94 | | | 32.1% | 47.1% | 20.8% | | | |
| | 1.3.2.1 Peripheral nociceptive pain physi | Frequency | 486 | 331 | 123 | 23 | 8 | 1 | 68.1% | 25.3% | 4.7% | 1.6% | 0.2% | |
| | | Importance | 469 | 303 | 156 | 8 | 2 | | 64.6% | 33.3% | 1.7% | 0.4% | | |
| | | Level of Judgment | 452 | 253 | 160 | 37 | 2 | | 56.0% | 35.4% | 8.2% | 0.4% | | |
| | 1.3.2.2 Peripheral neurogenic/neuropatl | Frequency | 487 | 290 | 156 | 28 | 12 | 1 | 59.5% | 32.0% | 5.7% | 2.5% | 0.2% | |
| | | Importance | 470 | 302 | 160 | 7 | 1 | | 64.3% | 34.0% | 1.5% | 0.2% | | |
| | | Level of Judgment | 451 | 247 | 170 | 33 | 1 | | 54.8% | 37.7% | 7.3% | 0.2% | | |
| | 1.3.2.3 Central nervous system/nociplas | Frequency | 487 | 266 | 151 | 45 | 22 | 3 | 54.6% | 31.0% | 9.2% | 4.5% | 0.6% | |
| | | Importance | 470 | 302 | 158 | 8 | 2 | | 64.3% | 33.6% | 1.7% | 0.4% | | |
| | | Level of Judgment | 452 | 250 | 156 | 43 | 3 | | 55.3% | 34.5% | 9.5% | 0.7% | | |
| | 1.3.2.4 Output mechanisms and express | Frequency | 487 | 130 | 179 | 113 | 58 | 7 | 26.7% | 36.8% | 23.2% | 11.9% | 1.4% | |
| | | Importance | 470 | 140 | 248 | 74 | 8 | | 29.8% | 52.8% | 15.7% | 1.7% | | |
| | | Level of Judgment | 450 | 121 | 193 | 124 | 12 | | 26.9% | 42.9% | 27.6% | 2.7% | | |
| | 1.3.3.1 Biopsychosocial model. | Frequency | 451 | 288 | 95 | 38 | 25 | 5 | 63.9% | 21.1% | 8.4% | 5.5% | 1.1% | |
| | | Importance | 440 | 268 | 130 | 38 | 4 | | 60.9% | 29.5% | 8.6% | 0.9% | | |
| | | Level of Judgment | 424 | 226 | 140 | 50 | 8 | | 53.3% | 33.0% | 11.8% | 1.9% | | |
| | 1.3.3.2 Exercise physiology across the life | Frequency | 453 | 292 | 123 | 27 | 10 | 1 | 64.5% | 27.2% | 6.0% | 2.2% | 0.2% | |
| | | Importance | 439 | 245 | 176 | 17 | 1 | | 55.8% | 40.1% | 3.9% | 0.2% | | |
| | | Level of Judgment | 424 | 182 | 198 | 42 | 2 | | 42.9% | 46.7% | 9.9% | 0.5% | | |
| | 1.3.3.3 Manual therapy techniques. | Frequency | 452 | 394 | 50 | 3 | 4 | 1 | 87.2% | 11.1% | 0.7% | 0.9% | 0.2% | |
| | | Importance | 442 | 341 | 85 | 15 | 1 | | 77.1% | 19.2% | 3.4% | 0.2% | | |
| | | Level of Judgment | 426 | 297 | 126 | 2 | 1 | | 69.7% | 29.6% | 0.5% | 0.2% | | |
| | 1.3.3.4 Movement systems impairments | Frequency | 452 | 394 | 35 | 17 | 3 | 3 | 87.2% | 7.7% | 3.8% | 0.7% | 0.7% | |
| | | Importance | 440 | 338 | 81 | 19 | 2 | | 76.8% | 18.4% | 4.3% | 0.5% | | |
| | | Level of Judgment | 425 | 309 | 101 | 13 | 2 | | 72.7% | 23.8% | 3.1% | 0.5% | | |
| | 1.3.3.5 Motor control and motor learnin | Frequency | 453 | 380 | 61 | 11 | 1 | | 83.9% | 13.5% | 2.4% | 0.2% | | |
| | | Importance | 442 | 335 | 96 | 10 | 1 | | 75.8% | 21.7% | 2.3% | 0.2% | | |
| | | Level of Judgment | 426 | 276 | 141 | 8 | 1 | | 64.8% | 33.1% | 1.9% | 0.2% | | |
| | 1.3.3.6 Theory and application of orthoti | Frequency | 454 | 55 | 161 | 138 | 92 | 8 | 12.1% | 35.5% | 30.4% | 20.3% | 1.8% | |
| | | Importance | 442 | 83 | 250 | 102 | 7 | | 18.8% | 56.6% | 23.1% | 1.6% | | |
| | | Level of Judgment | 425 | 91 | 243 | 77 | 14 | | 21.4% | 57.2% | 18.1% | 3.3% | | |
| | 1.3.3.7 Therapeutic exercise. | Frequency | 453 | 449 | 4 | | | | 99.1% | 0.9% | | | | |
| | | Importance | 442 | 426 | 14 | 1 | 1 | | 96.4% | 3.2% | 0.2% | 0.2% | | |
| | | Level of Judgment | 427 | 315 | 111 | 1 | | | 73.8% | 26.0% | 0.2% | | | |
| | 1.3.3.8 Models of differential diagnosis a | Frequency | 447 | 305 | 75 | 21 | 21 | 25 | 68.2% | 16.8% | 4.7% | 4.7% | 5.6% | |
| | | Importance | 433 | 270 | 102 | 42 | 19 | | 62.4% | 23.6% | 9.7% | 4.4% | | |
| | | Level of Judgment | 418 | 264 | 86 | 43 | 25 | | 63.2% | 20.6% | 10.3% | 6.0% | | |
| | 1.3.3.9 Principles of teaching and learnin | Frequency | 454 | 356 | 71 | 19 | 6 | 2 | 78.4% | 15.6% | 4.2% | 1.3% | 0.4% | |
| | | Importance | 442 | 309 | 121 | 12 | | | 69.9% | 27.4% | 2.7% | | | |
| | | Level of Judgment | 428 | 211 | 200 | 17 | | | 49.3% | 46.7% | 4.0% | | | |
| | 1.3.3.10 Principles of prevention and we | Frequency | 454 | 302 | 119 | 24 | 9 | | 66.5% | 26.2% | 5.3% | 2.0% | | |
| | | Importance | 443 | 293 | 134 | 16 | | | 66.1% | 30.2% | 3.6% | | | |
| | | Level of Judgment | 428 | 166 | 229 | 32 | 1 | | 38.8% | 53.5% | 7.5% | 0.2% | | |
| 1.4 Critical Inquiry for Evidence-Based Practice | 1.4.1 Critical interpretation of research f | Frequency | 441 | 114 | 174 | 132 | 20 | 1 | 25.9% | 39.5% | 29.9% | 4.5% | 0.2% | |
| | | Importance | 430 | 272 | 152 | 6 | | | 63.3% | 35.3% | 1.4% | | | |
| | | Level of Judgment | 416 | 258 | 127 | 29 | 2 | | 62.0% | 30.5% | 7.0% | 0.5% | | |
| | 1.4.2 Application of research findings to | Frequency | 441 | 191 | 128 | 102 | 20 | | 43.3% | 29.0% | 23.1% | 4.5% | | |
| | | Importance | 430 | 279 | 145 | 6 | | | 64.9% | 33.7% | 1.4% | | | |
| | | Level of Judgment | 414 | 235 | 155 | 23 | 1 | | 56.8% | 37.4% | 5.6% | 0.2% | | |

**Part 2. Professional Behavior and Part 3. Examination**

Frequency

Percentage

| | | | | # Responses | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Par 2 | 2.1 Professional Behavior | 2.1.1 Consulting with and/or educating p | Frequency | 408 | 72 | 129 | 124 | 79 | 4 | 17.6% | 31.6% | 30.4% | 19.4% | 1.0% |
| | | | Importance | 397 | 218 | 160 | 18 | 1 | | 54.9% | 40.3% | 4.5% | 0.3% | |
| | | | Level of Mastery | 385 | 132 | 181 | 66 | 6 | | 34.3% | 47.0% | 17.1% | 1.6% | |
| | | 2.1.2 Using patient-centered ethics and v | Frequency | 407 | 315 | 70 | 15 | 5 | 2 | 77.4% | 17.2% | 3.7% | 1.2% | 0.5% |
| | | | Importance | 396 | 322 | 67 | 6 | 1 | | 81.3% | 16.9% | 1.5% | 0.3% | |
| | | | Level of Mastery | 382 | 161 | 137 | 61 | 23 | | 42.1% | 35.9% | 16.0% | 6.0% | |
| | | 2.1.3 Maintaining active participation in | Frequency | 405 | 40 | 52 | 169 | 125 | 19 | 9.9% | 12.8% | 41.7% | 30.9% | 4.7% |
| | | | Importance | 395 | 130 | 189 | 71 | 5 | | 32.9% | 47.8% | 18.0% | 1.3% | |
| | | | Level of Mastery | 381 | 63 | 128 | 127 | 63 | | 16.5% | 33.6% | 33.3% | 16.5% | |
| | | 2.1.4 Maintaining state-of-the-art knowl | Frequency | 407 | 48 | 60 | 192 | 104 | 3 | 11.8% | 14.7% | 47.2% | 25.6% | 0.7% |
| | | | Importance | 397 | 252 | 133 | 9 | 3 | | 63.5% | 33.5% | 2.3% | 0.8% | |
| | | | Level of Mastery | 383 | 123 | 155 | 64 | 41 | | 32.1% | 40.5% | 16.7% | 10.7% | |
| | 2.2 Leadership | 2.2.1 Representing orthopaedic spine ph | Frequency | 398 | 38 | 80 | 135 | 124 | 21 | 9.5% | 20.1% | 33.9% | 31.2% | 5.3% |
| | | | Importance | 387 | 153 | 188 | 40 | 6 | | 39.5% | 48.6% | 10.3% | 1.6% | |
| | | | Level of Mastery | 372 | 121 | 157 | 74 | 20 | | 32.5% | 42.2% | 19.9% | 5.4% | |
| | | 2.2.2 Planning, directing, organizing, and | Frequency | 396 | 100 | 90 | 91 | 78 | 37 | 25.3% | 22.7% | 23.0% | 19.7% | 9.3% |
| | | | Importance | 383 | 122 | 159 | 83 | 19 | | 31.9% | 41.5% | 21.7% | 5.0% | |
| | | | Level of Mastery | 369 | 69 | 155 | 103 | 42 | | 18.7% | 42.0% | 27.9% | 11.4% | |
| | | 2.2.3 Modeling and facilitating the transl | Frequency | 397 | 183 | 103 | 72 | 35 | 4 | 46.1% | 25.9% | 18.1% | 8.8% | 1.0% |
| | | | Importance | 386 | 257 | 112 | 16 | 1 | | 66.6% | 29.0% | 4.1% | 0.3% | |
| | | | Level of Mastery | 373 | 152 | 157 | 56 | 8 | | 40.8% | 42.1% | 15.0% | 2.1% | |
| | | 2.2.4 Acting as an expert resource for pe | Frequency | 397 | 125 | 117 | 96 | 54 | 5 | 31.5% | 29.5% | 24.2% | 13.6% | 1.3% |
| | | | Importance | 387 | 251 | 117 | 16 | 3 | | 64.9% | 30.2% | 4.1% | 0.8% | |
| | | | Level of Mastery | 373 | 245 | 93 | 29 | 6 | | 65.7% | 24.9% | 7.8% | 1.6% | |
| | 2.3 Communication | 2.3.1 Empowering patients with orthopa | Frequency | 381 | 326 | 45 | 9 | 1 | | 85.6% | 11.8% | 2.4% | 0.3% | |
| | | | Importance | 371 | 343 | 25 | 3 | | | 92.5% | 6.7% | 0.8% | | |
| | | | Level of Mastery | 359 | 157 | 136 | 43 | 23 | | 43.7% | 37.9% | 12.0% | 6.4% | |
| | | 2.3.2 Facilitating collaborative and multi | Frequency | 382 | 105 | 164 | 71 | 36 | 6 | 27.5% | 42.9% | 18.6% | 9.4% | 1.6% |
| | | | Importance | 372 | 211 | 140 | 17 | 4 | | 56.7% | 37.6% | 4.6% | 1.1% | |
| | | | Level of Mastery | 360 | 108 | 170 | 70 | 12 | | 30.0% | 47.2% | 19.4% | 3.3% | |
| | 2.4 Advocacy | 2.4.1 Promoting the orthopaedic spine p | Frequency | 381 | 151 | 103 | 70 | 44 | 13 | 39.6% | 27.0% | 18.4% | 11.5% | 3.4% |
| | | | Importance | 371 | 240 | 114 | 12 | 5 | | 64.7% | 30.7% | 3.2% | 1.3% | |
| | | | Level of Mastery | 357 | 150 | 131 | 51 | 25 | | 42.0% | 36.7% | 14.3% | 7.0% | |
| | | 2.4.2 Advocating for orthopaedic spine p | Frequency | 381 | 31 | 24 | 102 | 161 | 63 | 8.1% | 6.3% | 26.8% | 42.3% | 16.5% |
| | | | Importance | 369 | 160 | 162 | 43 | 4 | | 43.4% | 43.9% | 11.7% | 1.1% | |
| | | | Level of Mastery | 354 | 101 | 128 | 79 | 46 | | 28.5% | 36.2% | 22.3% | 13.0% | |
| | 2.5 Education | 2.5.1 Contributing to the professional de | Frequency | 366 | 69 | 105 | 127 | 58 | 7 | 18.9% | 28.7% | 34.7% | 15.8% | 1.9% |
| | | | Importance | 356 | 228 | 117 | 9 | 2 | | 64.0% | 32.9% | 2.5% | 0.6% | |
| | | | Level of Mastery | 346 | 173 | 135 | 32 | 6 | | 50.0% | 39.0% | 9.2% | 1.7% | |
| | | 2.5.2 Promoting awareness and benefits | Frequency | 367 | 23 | 35 | 99 | 141 | 69 | 6.3% | 9.5% | 27.0% | 38.4% | 18.8% |
| | | | Importance | 355 | 98 | 157 | 77 | 23 | | 27.6% | 44.2% | 21.7% | 6.5% | |
| | | | Level of Mastery | 339 | 92 | 120 | 89 | 38 | | 27.1% | 35.4% | 26.3% | 11.2% | |
| | | 2.5.3 Educating the public regarding spin | Frequency | 366 | 89 | 49 | 99 | 118 | 11 | 24.3% | 13.4% | 27.0% | 32.2% | 3.0% |
| | | | Importance | 356 | 184 | 143 | 25 | 4 | | 51.7% | 40.2% | 7.0% | 1.1% | |
| | | | Level of Mastery | 346 | 105 | 132 | 87 | 22 | | 30.3% | 38.2% | 25.1% | 6.4% | |
| | | 2.5.4 Educating other health care profes | Frequency | 362 | 36 | 71 | 135 | 109 | 11 | 9.9% | 19.6% | 37.3% | 30.1% | 3.0% |
| | | | Importance | 351 | 188 | 140 | 21 | 2 | | 53.6% | 39.9% | 6.0% | 0.6% | |
| | | | Level of Mastery | 342 | 110 | 135 | 76 | 21 | | 32.2% | 39.5% | 22.2% | 6.1% | |
| | 2.6 Critical Inquiry and Evidence-Based Practice | 2.6.1 Applying principles of evidence-bas | Frequency | 362 | 302 | 44 | 11 | 2 | 3 | 83.4% | 12.2% | 3.0% | 0.6% | 0.8% |
| | | | Importance | 352 | 288 | 57 | 4 | 3 | | 81.8% | 16.2% | 1.1% | 0.9% | |
| | | | Level of Mastery | 342 | 162 | 116 | 35 | 29 | | 47.4% | 33.9% | 10.2% | 8.5% | |
| | | 2.6.2 Contributing to the body of eviden | Frequency | 364 | 18 | 8 | 44 | 225 | 69 | 4.9% | 2.2% | 12.1% | 61.8% | 19.0% |
| | | | Importance | 352 | 85 | 206 | 47 | 14 | | 24.1% | 58.5% | 13.4% | 4.0% | |
| | | | Level of Mastery | 341 | 120 | 110 | 66 | 45 | | 35.2% | 32.3% | 19.4% | 13.2% | |
| | | 2.6.3 Evaluating the efficacy and effectiv | Frequency | 363 | 73 | 73 | 98 | 102 | 17 | 20.1% | 20.1% | 27.0% | 28.1% | 4.7% |
| | | | Importance | 353 | 163 | 154 | 28 | 8 | | 46.2% | 43.6% | 7.9% | 2.3% | |
| | | | Level of Mastery | 343 | 116 | 131 | 73 | 23 | | 33.8% | 38.2% | 21.3% | 6.7% | |
| | | 2.6.4 Identifying research needs within t | Frequency | 364 | 18 | 23 | 90 | 183 | 50 | 4.9% | 6.3% | 24.7% | 50.3% | 13.7% |
| | | | Importance | 352 | 108 | 187 | 45 | 12 | | 30.7% | 53.1% | 12.8% | 3.4% | |
| | | | Level of Mastery | 340 | 114 | 99 | 85 | 42 | | 33.5% | 29.1% | 25.0% | 12.4% | |
| Part 3 | 3.1.1 History | 3.1.1.1.1 Current and prior work. | Frequency | 331 | 234 | 62 | 18 | 14 | 3 | 70.7% | 18.7% | 5.4% | 4.2% | 0.9% |
| | | | Importance | 321 | 191 | 112 | 17 | 1 | | 59.5% | 34.9% | 5.3% | 0.3% | |
| | | | Level of Mastery | 311 | 98 | 110 | 56 | 47 | | 31.5% | 35.4% | 18.0% | 15.1% | |
| | | 3.1.1.1.2 Activity requirements/occupati | Frequency | 331 | 242 | 59 | 19 | 9 | 2 | 73.1% | 17.8% | 5.7% | 2.7% | 0.6% |
| | | | Importance | 321 | 228 | 81 | 11 | 1 | | 71.0% | 25.2% | 3.4% | 0.3% | |
| | | | Level of Mastery | 312 | 103 | 105 | 60 | 44 | | 33.0% | 33.7% | 19.2% | 14.1% | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3.1.1.1.3 Ergonomic considerations. | Frequency | 331 | 181 | 105 | 31 | 14 | | 54.7% | 31.7% | 9.4% | 4.2% | |
| | | Importance | 321 | 166 | 128 | 27 | | | 51.7% | 39.9% | 8.4% | | |
| | | Level of Mastery | 312 | 84 | 104 | 93 | 31 | | 26.9% | 33.3% | 29.8% | 9.9% | |
| | 3.1.1.1.4 Utilization of adaptive and supp | Frequency | 331 | 86 | 107 | 87 | 45 | 6 | 26.0% | 32.3% | 26.3% | 13.6% | 1.8% |
| | | Importance | 321 | 84 | 155 | 75 | 7 | | 26.2% | 48.3% | 23.4% | 2.2% | |
| | | Level of Mastery | 312 | 51 | 125 | 104 | 32 | | 16.3% | 40.1% | 33.3% | 10.3% | |
| | 3.1.1.2.1 Recognition of contributions fr | Frequency | 326 | 271 | 47 | 6 | 1 | 1 | 83.1% | 14.4% | 1.8% | 0.3% | 0.3% |
| | | Importance | 317 | 262 | 51 | 4 | | | 82.6% | 16.1% | 1.3% | | |
| | | Level of Mastery | 310 | 150 | 111 | 31 | 18 | | 48.4% | 35.8% | 10.0% | 5.8% | |
| | 3.1.1.2.2 Quality and behavior of symptc | Frequency | 325 | 299 | 20 | 5 | 1 | | 92.0% | 6.2% | 1.5% | 0.3% | |
| | | Importance | 315 | 258 | 53 | 4 | | | 81.9% | 16.8% | 1.3% | | |
| | | Level of Mastery | 309 | 138 | 105 | 42 | 24 | | 44.7% | 34.0% | 13.6% | 7.8% | |
| | 3.1.1.2.3 Symptom irritability (onset, off: | Frequency | 325 | 294 | 29 | 1 | | 1 | 90.5% | 8.9% | 0.3% | | 0.3% |
| | | Importance | 315 | 268 | 45 | 1 | 1 | | 85.1% | 14.3% | 0.3% | 0.3% | |
| | | Level of Mastery | 309 | 148 | 86 | 42 | 33 | | 47.9% | 27.8% | 13.6% | 10.7% | |
| | 3.1.1.2.4 Onset of condition (e.g., mecha | Frequency | 324 | 281 | 39 | 3 | 1 | | 86.7% | 12.0% | 0.9% | 0.3% | |
| | | Importance | 316 | 265 | 48 | 3 | | | 83.9% | 15.2% | 0.9% | | |
| | | Level of Mastery | 308 | 144 | 82 | 43 | 39 | | 46.8% | 26.6% | 14.0% | 12.7% | |
| | 3.1.1.2.5 Current and previous therapeu | Frequency | 326 | 261 | 54 | 11 | | | 80.1% | 16.6% | 3.4% | | |
| | | Importance | 316 | 201 | 109 | 6 | | | 63.6% | 34.5% | 1.9% | | |
| | | Level of Mastery | 309 | 133 | 91 | 45 | 40 | | 43.0% | 29.4% | 14.6% | 12.9% | |
| | 3.1.1.2.6 Readiness for change. | Frequency | 326 | 242 | 58 | 22 | 4 | | 74.2% | 17.8% | 6.7% | 1.2% | |
| | | Importance | 317 | 215 | 96 | 6 | | | 67.8% | 30.3% | 1.9% | | |
| | | Level of Mastery | 310 | 110 | 116 | 62 | 22 | | 35.5% | 37.4% | 20.0% | 7.1% | |
| | 3.1.1.2.7 Goals of the patient, family, an | Frequency | 326 | 265 | 47 | 12 | 2 | | 81.3% | 14.4% | 3.7% | 0.6% | |
| | | Importance | 317 | 260 | 54 | 3 | | | 82.0% | 17.0% | 0.9% | | |
| | | Level of Mastery | 311 | 129 | 82 | 52 | 48 | | 41.5% | 26.4% | 16.7% | 15.4% | |
| | 3.1.1.3 Obtaining data regarding functio | Frequency | 317 | 256 | 52 | 7 | 2 | | 80.8% | 16.4% | 2.2% | 0.6% | |
| | | Importance | 308 | 232 | 74 | 2 | | | 75.3% | 24.0% | 0.6% | | |
| | | Level of Mastery | 301 | 112 | 86 | 59 | 44 | | 37.2% | 28.6% | 19.6% | 14.6% | |
| | 3.1.1.4.1 Physical function. | Frequency | 319 | 269 | 45 | 4 | 1 | | 84.3% | 14.1% | 1.3% | 0.3% | |
| | | Importance | 309 | 239 | 68 | 2 | | | 77.3% | 22.0% | 0.6% | | |
| | | Level of Mastery | 302 | 118 | 86 | 53 | 45 | | 39.1% | 28.5% | 17.5% | 14.9% | |
| | 3.1.1.4.2 Psychosocial factors (e.g., anxie | Frequency | 318 | 227 | 77 | 12 | 2 | | 71.4% | 24.2% | 3.8% | 0.6% | |
| | | Importance | 308 | 226 | 78 | 3 | 1 | | 73.4% | 25.3% | 1.0% | 0.3% | |
| | | Level of Mastery | 300 | 98 | 119 | 64 | 19 | | 32.7% | 39.7% | 21.3% | 6.3% | |
| | 3.1.1.5 Obtaining data regarding social/h | Frequency | 298 | 190 | 86 | 16 | 4 | 2 | 63.8% | 28.9% | 5.4% | 1.3% | 0.7% |
| | | Importance | 288 | 163 | 117 | 7 | 1 | | 56.6% | 40.6% | 2.4% | 0.3% | |
| | | Level of Mastery | 280 | 72 | 98 | 73 | 37 | | 25.7% | 35.0% | 26.1% | 13.2% | |
| | 3.1.1.6 Obtaining medical/surgical histor | Frequency | 298 | 215 | 67 | 11 | 5 | | 72.1% | 22.5% | 3.7% | 1.7% | |
| | | Importance | 286 | 189 | 95 | 2 | | | 66.1% | 33.2% | 0.7% | | |
| | | Level of Mastery | 281 | 89 | 87 | 61 | 44 | | 31.7% | 31.0% | 21.7% | 15.7% | |
| | 3.1.1.7 Obtaining data regarding medica | Frequency | 298 | 189 | 84 | 22 | 1 | 2 | 63.4% | 28.2% | 7.4% | 0.3% | 0.7% |
| | | Importance | 288 | 128 | 145 | 14 | 1 | | 44.4% | 50.3% | 4.9% | 0.3% | |
| | | Level of Mastery | 282 | 62 | 110 | 74 | 36 | | 22.0% | 39.0% | 26.2% | 12.8% | |
| | 3.1.1.8 Obtaining data regarding social h | Frequency | 298 | 170 | 85 | 32 | 10 | 1 | 57.0% | 28.5% | 10.7% | 3.4% | 0.3% |
| | | Importance | 289 | 131 | 128 | 29 | 1 | | 45.3% | 44.3% | 10.0% | 0.3% | |
| | | Level of Mastery | 281 | 63 | 98 | 80 | 40 | | 22.4% | 34.9% | 28.5% | 14.2% | |
| | 3.1.1.9 Obtaining general demographic i | Frequency | 298 | 185 | 70 | 28 | 12 | 3 | 62.1% | 23.5% | 9.4% | 4.0% | 1.0% |
| | | Importance | 288 | 89 | 129 | 64 | 6 | | 30.9% | 44.8% | 22.2% | 2.1% | |
| | | Level of Mastery | 281 | 60 | 65 | 92 | 64 | | 21.4% | 23.1% | 32.7% | 22.8% | |
| | 3.1.1.10 Obtaining data on living environ | Frequency | 298 | 172 | 77 | 31 | 16 | 2 | 57.7% | 25.8% | 10.4% | 5.4% | 0.7% |
| | | Importance | 288 | 102 | 137 | 49 | | | 35.4% | 47.6% | 17.0% | | |
| | | Level of Mastery | 281 | 67 | 65 | 92 | 57 | | 23.8% | 23.1% | 32.7% | 20.3% | |
| 3.1.2 Interpreting Data from History | 3.1.2.1 Developing a working hypothesis | Frequency | 274 | 243 | 28 | 3 | | | 88.7% | 10.2% | 1.1% | | |
| | | Importance | 266 | 242 | 22 | 2 | | | 91.0% | 8.3% | 0.8% | | |
| | | Level of Mastery | 260 | 138 | 79 | 29 | 14 | | 53.1% | 30.4% | 11.2% | 5.4% | |
| | 3.1.2.2 Assessing "red flags" and determ | Frequency | 277 | 235 | 34 | 8 | | | 84.8% | 12.3% | 2.9% | | |
| | | Importance | 268 | 255 | 12 | 1 | | | 95.1% | 4.5% | 0.4% | | |
| | | Level of Mastery | 261 | 133 | 70 | 36 | 22 | | 51.0% | 26.8% | 13.8% | 8.4% | |
| | 3.1.2.3 Identifying chief and secondary p | Frequency | 277 | 236 | 39 | 2 | | | 85.2% | 14.1% | 0.7% | | |
| | | Importance | 269 | 218 | 50 | 1 | | | 81.0% | 18.6% | 0.4% | | |
| | | Level of Mastery | 262 | 119 | 91 | 42 | 10 | | 45.4% | 34.7% | 16.0% | 3.8% | |
| 3.1.3 Planning a Physical Exam | 3.1.3.1 Includes examination techniques | Frequency | 276 | 250 | 25 | 1 | | | 90.6% | 9.1% | 0.4% | | |
| | | Importance | 267 | 236 | 30 | 1 | | | 88.4% | 11.2% | 0.4% | | |
| | | Level of Mastery | 260 | 148 | 82 | 20 | 10 | | 56.9% | 31.5% | 7.7% | 3.8% | |
| | 3.1.3.2 Is comprehensive but has the foc | Frequency | 274 | 238 | 34 | 2 | | | 86.9% | 12.4% | 0.7% | | |
| | | Importance | 266 | 220 | 42 | 4 | | | 82.7% | 15.8% | 1.5% | | |
| | | Level of Mastery | 258 | 135 | 93 | 21 | 9 | | 52.3% | 36.0% | 8.1% | 3.5% | |
| | 3.1.3.3 Considers the nature, severity, ar | Frequency | 275 | 254 | 19 | 2 | | | 92.4% | 6.9% | 0.7% | | |
| | | Importance | 267 | 223 | 43 | 1 | | | 83.5% | 16.1% | 0.4% | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Level of Mastery | 260 | 126 | 85 | 30 | 19 | | 48.5% | 32.7% | 11.5% | 7.3% | | |
| | 3.1.3.4 Prioritizes areas, movements, an | Frequency | 275 | 249 | 25 | 1 | | | 90.5% | 9.1% | 0.4% | | | |
| | | Importance | 267 | 219 | 46 | 2 | | | 82.0% | 17.2% | 0.7% | | | |
| | | Level of Mastery | 258 | 136 | 82 | 30 | 10 | | 52.7% | 31.8% | 11.6% | 3.9% | | |
| 3.1.4 Systems Review | 3.1.4.1 Performing systems review to ide | Frequency | 266 | 182 | 67 | 13 | 4 | | 68.4% | 25.2% | 4.9% | 1.5% | | |
| | | Importance | 258 | 168 | 83 | 7 | | | 65.1% | 32.2% | 2.7% | | | |
| | | Level of Mastery | 251 | 82 | 93 | 57 | 19 | | 32.7% | 37.1% | 22.7% | 7.6% | | |
| 3.1.5 Test and Measures | 3.1.5.1 Ergonomics and body mechanics | Frequency | 266 | 173 | 73 | 16 | 4 | | 65.0% | 27.4% | 6.0% | 1.5% | | |
| | | Importance | 258 | 142 | 99 | 17 | | | 55.0% | 38.4% | 6.6% | | | |
| | | Level of Mastery | 250 | 88 | 80 | 59 | 23 | | 35.2% | 32.0% | 23.6% | 9.2% | | |
| | 3.1.5.2 Gait, locomotion, and balance. | Frequency | 265 | 210 | 49 | 3 | 3 | | 79.2% | 18.5% | 1.1% | 1.1% | | |
| | | Importance | 257 | 177 | 74 | 5 | 1 | | 68.9% | 28.8% | 1.9% | 0.4% | | |
| | | Level of Mastery | 250 | 92 | 84 | 48 | 26 | | 36.8% | 33.6% | 19.2% | 10.4% | | |
| | 3.1.5.3 Work (job/school/play), commun | Frequency | 267 | 154 | 83 | 22 | 8 | | 57.7% | 31.1% | 8.2% | 3.0% | | |
| | | Importance | 258 | 145 | 101 | 12 | | | 56.2% | 39.1% | 4.7% | | | |
| | | Level of Mastery | 251 | 70 | 96 | 62 | 23 | | 27.9% | 38.2% | 24.7% | 9.2% | | |
| | 3.1.5.4 Adaptive and supportive devices | Frequency | 266 | 71 | 107 | 58 | 27 | 3 | 26.7% | 40.2% | 21.8% | 10.2% | 1.1% | |
| | | Importance | 258 | 67 | 135 | 52 | 4 | | 26.0% | 52.3% | 20.2% | 1.6% | | |
| | | Level of Mastery | 251 | 49 | 88 | 94 | 20 | | 19.5% | 35.1% | 37.5% | 8.0% | | |
| | 3.1.5.5 Pain. | Frequency | 266 | 248 | 18 | | | | 93.2% | 6.8% | | | | |
| | | Importance | 258 | 174 | 75 | 8 | 1 | | 67.4% | 29.1% | 3.1% | 0.4% | | |
| | | Level of Mastery | 251 | 105 | 80 | 36 | 30 | | 41.8% | 31.9% | 14.3% | 12.0% | | |
| | 3.1.5.6 Anthropometric characteristics (e | Frequency | 267 | 108 | 79 | 58 | 20 | 2 | 40.4% | 29.6% | 21.7% | 7.5% | 0.7% | |
| | | Importance | 258 | 62 | 147 | 45 | 4 | | 24.0% | 57.0% | 17.4% | 1.6% | | |
| | | Level of Mastery | 251 | 42 | 85 | 83 | 41 | | 16.7% | 33.9% | 33.1% | 16.3% | | |
| | 3.1.5.7 Circulation (e.g., vertebral artery | Frequency | 261 | 84 | 95 | 57 | 22 | 3 | 32.2% | 36.4% | 21.8% | 8.4% | 1.1% | |
| | | Importance | 253 | 123 | 110 | 20 | | | 48.6% | 43.5% | 7.9% | | | |
| | | Level of Mastery | 246 | 65 | 102 | 61 | 18 | | 26.4% | 41.5% | 24.8% | 7.3% | | |
| | 3.1.5.8 Aerobic capacity and endurance | Frequency | 261 | 81 | 87 | 57 | 32 | 4 | 31.0% | 33.3% | 21.8% | 12.3% | 1.5% | |
| | | Importance | 252 | 96 | 130 | 22 | 4 | | 38.1% | 51.6% | 8.7% | 1.6% | | |
| | | Level of Mastery | 245 | 51 | 93 | 76 | 25 | | 20.8% | 38.0% | 31.0% | 10.2% | | |
| | 3.1.5.9 Neurodynamics. | Frequency | 259 | 138 | 96 | 21 | 3 | 1 | 53.3% | 37.1% | 8.1% | 1.2% | 0.4% | |
| | | Importance | 251 | 152 | 90 | 9 | | | 60.6% | 35.9% | 3.6% | | | |
| | | Level of Mastery | 244 | 83 | 111 | 39 | 11 | | 34.0% | 45.5% | 16.0% | 4.5% | | |
| | 3.1.5.10 Sensory integrity (e.g., assessme | Frequency | 261 | 136 | 88 | 25 | 9 | 3 | 52.1% | 33.7% | 9.6% | 3.4% | 1.1% | |
| | | Importance | 252 | 146 | 94 | 10 | 2 | | 57.9% | 37.3% | 4.0% | 0.8% | | |
| | | Level of Mastery | 245 | 81 | 89 | 56 | 19 | | 33.1% | 36.3% | 22.9% | 7.8% | | |
| | 3.1.5.11 Reflex integrity (e.g., assessmen | Frequency | 260 | 138 | 89 | 21 | 11 | 1 | 53.1% | 34.2% | 8.1% | 4.2% | 0.4% | |
| | | Importance | 252 | 151 | 86 | 15 | | | 59.9% | 34.1% | 6.0% | | | |
| | | Level of Mastery | 245 | 85 | 77 | 56 | 27 | | 34.7% | 31.4% | 22.9% | 11.0% | | |
| | 3.1.5.12 Motor control and coordination | Frequency | 261 | 177 | 53 | 16 | 12 | 3 | 67.8% | 20.3% | 6.1% | 4.6% | 1.1% | |
| | | Importance | 252 | 155 | 80 | 17 | | | 61.5% | 31.7% | 6.7% | | | |
| | | Level of Mastery | 244 | 93 | 102 | 42 | 7 | | 38.1% | 41.8% | 17.2% | 2.9% | | |
| | 3.1.5.13 Biopsychosocial functioning (e.g | Frequency | 261 | 114 | 91 | 39 | 13 | 4 | 43.7% | 34.9% | 14.9% | 5.0% | 1.5% | |
| | | Importance | 252 | 133 | 104 | 14 | 1 | | 52.8% | 41.3% | 5.6% | 0.4% | | |
| | | Level of Mastery | 244 | 67 | 98 | 64 | 15 | | 27.5% | 40.2% | 26.2% | 6.1% | | |
| | 3.1.5.14 Joint integrity (i.e., mobility asse | Frequency | 261 | 217 | 38 | 5 | 1 | | 83.1% | 14.6% | 1.9% | 0.4% | | |
| | | Importance | 253 | 196 | 53 | 3 | 1 | | 77.5% | 20.9% | 1.2% | 0.4% | | |
| | | Level of Mastery | 244 | 114 | 88 | 26 | 16 | | 46.7% | 36.1% | 10.7% | 6.6% | | |
| | 3.1.5.15 Community, home, and work ba | Frequency | 249 | 108 | 95 | 31 | 14 | 1 | 43.4% | 38.2% | 12.4% | 5.6% | 0.4% | |
| | | Importance | 243 | 105 | 119 | 17 | 2 | | 43.2% | 49.0% | 7.0% | 0.8% | | |
| | | Level of Mastery | 235 | 53 | 85 | 75 | 22 | | 22.6% | 36.2% | 31.9% | 9.4% | | |
| | 3.1.5.16 Integumentary integrity. | Frequency | 250 | 84 | 79 | 57 | 28 | 2 | 33.6% | 31.6% | 22.8% | 11.2% | 0.8% | |
| | | Importance | 243 | 68 | 125 | 50 | | | 28.0% | 51.4% | 20.6% | | | |
| | | Level of Mastery | 236 | 34 | 75 | 94 | 33 | | 14.4% | 31.8% | 39.8% | 14.0% | | |
| | 3.1.5.17 Muscle performance (e.g., stren | Frequency | 251 | 204 | 42 | 4 | 1 | | 81.3% | 16.7% | 1.6% | 0.4% | | |
| | | Importance | 243 | 177 | 64 | 2 | | | 72.8% | 26.3% | 0.8% | | | |
| | | Level of Mastery | 237 | 88 | 82 | 39 | 28 | | 37.1% | 34.6% | 16.5% | 11.8% | | |
| | 3.1.5.18 Neuromotor development and s | Frequency | 251 | 114 | 88 | 32 | 15 | 2 | 45.4% | 35.1% | 12.7% | 6.0% | 0.8% | |
| | | Importance | 243 | 110 | 114 | 19 | | | 45.3% | 46.9% | 7.8% | | | |
| | | Level of Mastery | 236 | 64 | 113 | 42 | 17 | | 27.1% | 47.9% | 17.8% | 7.2% | | |
| | 3.1.5.19 Posture (e.g., assessment of boc | Frequency | 253 | 187 | 55 | 7 | 4 | | 73.9% | 21.7% | 2.8% | 1.6% | | |
| | | Importance | 246 | 130 | 91 | 25 | | | 52.8% | 37.0% | 10.2% | | | |
| | | Level of Mastery | 239 | 90 | 70 | 50 | 29 | | 37.7% | 29.3% | 20.9% | 12.1% | | |
| | 3.1.5.20 Tissue-specific diagnostic tests ( | Frequency | 252 | 165 | 66 | 16 | 4 | 1 | 65.5% | 26.2% | 6.3% | 1.6% | 0.4% | |
| | | Importance | 245 | 124 | 95 | 23 | 3 | | 50.6% | 38.8% | 9.4% | 1.2% | | |
| | | Level of Mastery | 238 | 88 | 94 | 40 | 16 | | 37.0% | 39.5% | 16.8% | 6.7% | | |
| | 3.1.5.21 Flexibility (e.g., length, stiffness) | Frequency | 253 | 189 | 49 | 14 | 1 | | 74.7% | 19.4% | 5.5% | 0.4% | | |
| | | Importance | 246 | 125 | 103 | 18 | | | 50.8% | 41.9% | 7.3% | | | |
| | | Level of Mastery | 239 | 80 | 80 | 48 | 31 | | 33.5% | 33.5% | 20.1% | 13.0% | | |
| | 3.1.5.22 Soft tissue quality (e.g., mobility | Frequency | 251 | 200 | 39 | 9 | 3 | | 79.7% | 15.5% | 3.6% | 1.2% | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Importance | 244 | 142 | 91 | 10 | 1 | | 58.2% | 37.3% | 4.1% | 0.4% | | |
| | | Level of Mastery | 237 | 95 | 76 | 47 | 19 | | 40.1% | 32.1% | 19.8% | 8.0% | | |
| | 3.1.5.23 Task-specific activities (e.g., liftii | Frequency | 253 | 200 | 47 | 6 | | | 79.1% | 18.6% | 2.4% | | | |
| | | Importance | 246 | 171 | 74 | | | 1 | 69.5% | 30.1% | | | | 0.4% |
| | | Level of Mastery | 238 | 95 | 77 | 41 | 25 | | 39.9% | 32.4% | 17.2% | 10.5% | | |
| 3.2 Evaluation | 3.2.1 Using the ICF model | Frequency | 239 | 125 | 52 | 24 | 19 | 19 | 52.3% | 21.8% | 10.0% | 7.9% | | 7.9% |
| | | Importance | 233 | 111 | 72 | 37 | 13 | | 47.6% | 30.9% | 15.9% | 5.6% | | |
| | | Level of Mastery | 228 | 69 | 81 | 48 | 30 | | 30.3% | 35.5% | 21.1% | 13.2% | | |
| | 3.2.2 Developing a working diagnosis, in | Frequency | 241 | 208 | 26 | 7 | | | 86.3% | 10.8% | 2.9% | | | |
| | | Importance | 235 | 209 | 24 | 2 | | | 88.9% | 10.2% | 0.9% | | | |
| | | Level of Mastery | 231 | 131 | 69 | 24 | 7 | | 56.7% | 29.9% | 10.4% | 3.0% | | |
| | 3.2.3 Incorporating data from ancillary ti | Frequency | 241 | 102 | 108 | 25 | 5 | 1 | 42.3% | 44.8% | 10.4% | 2.1% | | 0.4% |
| | | Importance | 235 | 97 | 120 | 17 | 1 | | 41.3% | 51.1% | 7.2% | 0.4% | | |
| | | Level of Mastery | 231 | 56 | 125 | 41 | 9 | | 24.2% | 54.1% | 17.7% | 3.9% | | |
| | 3.2.4 Referring patient/client to other he | Frequency | 241 | 65 | 82 | 75 | 19 | | 27.0% | 34.0% | 31.1% | 7.9% | | |
| | | Importance | 235 | 176 | 55 | 4 | | | 74.9% | 23.4% | 1.7% | | | |
| | | Level of Mastery | 229 | 95 | 88 | 36 | 10 | | 41.5% | 38.4% | 15.7% | 4.4% | | |
| | 3.2.5 Considering implications of exam fi | Frequency | 238 | 125 | 68 | 21 | 13 | 11 | 52.5% | 28.6% | 8.8% | 5.5% | | 4.6% |
| | | Importance | 231 | 114 | 94 | 17 | 6 | | 49.4% | 40.7% | 7.4% | 2.6% | | |
| | | Level of Mastery | 227 | 70 | 93 | 46 | 18 | | 30.8% | 41.0% | 20.3% | 7.9% | | |
| 3.3. Diagnosis | 3.3.1 Organizing examination findings in | Frequency | 241 | 174 | 52 | 10 | 2 | 3 | 72.2% | 21.6% | 4.1% | 0.8% | | 1.2% |
| | | Importance | 234 | 175 | 52 | 4 | 3 | | 74.8% | 22.2% | 1.7% | 1.3% | | |
| | | Level of Mastery | 229 | 111 | 86 | 24 | 8 | | 48.5% | 37.6% | 10.5% | 3.5% | | |
| 3.4 Prognosis | 3.4.1 Accounting for the complexity of th | Frequency | 241 | 182 | 50 | 7 | 1 | 1 | 75.5% | 20.7% | 2.9% | 0.4% | | 0.4% |
| | | Importance | 235 | 172 | 58 | 4 | 1 | | 73.2% | 24.7% | 1.7% | 0.4% | | |
| | | Level of Mastery | 231 | 117 | 87 | 23 | 4 | | 50.6% | 37.7% | 10.0% | 1.7% | | |
| 3.5 Intervention | 3.5.1 Ergonomics (influences of environr | Frequency | 235 | 138 | 64 | 25 | 8 | | 58.7% | 27.2% | 10.6% | 3.4% | | |
| | | Importance | 228 | 110 | 100 | 18 | | | 48.2% | 43.9% | 7.9% | | | |
| | | Level of Mastery | 225 | 69 | 84 | 58 | 14 | | 30.7% | 37.3% | 25.8% | 6.2% | | |
| | 3.5.2 Education/training of functional ac | Frequency | 234 | 185 | 46 | 2 | 1 | | 79.1% | 19.7% | 0.9% | 0.4% | | |
| | | Importance | 228 | 166 | 56 | 6 | | | 72.8% | 24.6% | 2.6% | | | |
| | | Level of Mastery | 225 | 94 | 70 | 38 | 23 | | 41.8% | 31.1% | 16.9% | 10.2% | | |
| | 3.5.3 Education/training of activities of d | Frequency | 235 | 159 | 64 | 8 | 4 | | 67.7% | 27.2% | 3.4% | 1.7% | | |
| | | Importance | 229 | 141 | 76 | 11 | 1 | | 61.6% | 33.2% | 4.8% | 0.4% | | |
| | | Level of Mastery | 225 | 80 | 71 | 52 | 22 | | 35.6% | 31.6% | 23.1% | 9.8% | | |
| | 3.5.4.1 Concerning diagnosis, prognosis, | Frequency | 233 | 192 | 32 | 8 | 1 | | 82.4% | 13.7% | 3.4% | 0.4% | | |
| | | Importance | 227 | 183 | 42 | 2 | | | 80.6% | 18.5% | 0.9% | | | |
| | | Level of Mastery | 224 | 104 | 76 | 34 | 10 | | 46.4% | 33.9% | 15.2% | 4.5% | | |
| | 3.5.4.2 Using the biopsychosocial/biome | Frequency | 233 | 147 | 54 | 22 | 6 | 4 | 63.1% | 23.2% | 9.4% | 2.6% | | 1.7% |
| | | Importance | 227 | 126 | 80 | 19 | 2 | | 55.5% | 35.2% | 8.4% | 0.9% | | |
| | | Level of Mastery | 224 | 81 | 87 | 45 | 11 | | 36.2% | 38.8% | 20.1% | 4.9% | | |
| | 3.5.4.3 Addressing pain physiology and c | Frequency | 233 | 176 | 46 | 10 | 1 | | 75.5% | 19.7% | 4.3% | 0.4% | | |
| | | Importance | 228 | 156 | 65 | 7 | | | 68.4% | 28.5% | 3.1% | | | |
| | | Level of Mastery | 225 | 89 | 88 | 40 | 8 | | 39.6% | 39.1% | 17.8% | 3.6% | | |
| | 3.5.4.4 Addressing prevention and welln | Frequency | 234 | 134 | 68 | 26 | 6 | | 57.3% | 29.1% | 11.1% | 2.6% | | |
| | | Importance | 228 | 133 | 86 | 9 | | | 58.3% | 37.7% | 3.9% | | | |
| | | Level of Mastery | 224 | 76 | 79 | 56 | 13 | | 33.9% | 35.3% | 25.0% | 5.8% | | |
| | 3.5.5 Injury prevention and wellness pro | Frequency | 231 | 145 | 67 | 14 | 5 | | 62.8% | 29.0% | 6.1% | 2.2% | | |
| | | Importance | 225 | 143 | 78 | 4 | | | 63.6% | 34.7% | 1.8% | | | |
| | | Level of Mastery | 222 | 83 | 86 | 42 | 11 | | 37.4% | 38.7% | 18.9% | 5.0% | | |
| | 3.5.6 Sleep hygiene education (e.g., sleej | Frequency | 232 | 81 | 95 | 38 | 15 | 3 | 34.9% | 40.9% | 16.4% | 6.5% | | 1.3% |
| | | Importance | 226 | 97 | 107 | 18 | 4 | | 42.9% | 47.3% | 8.0% | 1.8% | | |
| | | Level of Mastery | 223 | 49 | 92 | 72 | 10 | | 22.0% | 41.3% | 32.3% | 4.5% | | |
| | 3.5.7 Nutritional education. | Frequency | 232 | 36 | 76 | 83 | 33 | 4 | 15.5% | 32.8% | 35.8% | 14.2% | | 1.7% |
| | | Importance | 226 | 56 | 124 | 43 | 3 | | 24.8% | 54.9% | 19.0% | 1.3% | | |
| | | Level of Mastery | 222 | 33 | 88 | 76 | 25 | | 14.9% | 39.6% | 34.2% | 11.3% | | |
| | 3.5.8 Pain neuroscience education. | Frequency | 231 | 134 | 66 | 23 | 8 | | 58.0% | 28.6% | 10.0% | 3.5% | | |
| | | Importance | 225 | 146 | 69 | 10 | | | 64.9% | 30.7% | 4.4% | | | |
| | | Level of Mastery | 223 | 87 | 97 | 33 | 6 | | 39.0% | 43.5% | 14.8% | 2.7% | | |
| | 3.5.9 Graded exposure. | Frequency | 230 | 105 | 85 | 24 | 13 | 3 | 45.7% | 37.0% | 10.4% | 5.7% | | 1.3% |
| | | Importance | 224 | 134 | 77 | 12 | 1 | | 59.8% | 34.4% | 5.4% | 0.4% | | |
| | | Level of Mastery | 221 | 78 | 99 | 38 | 6 | | 35.3% | 44.8% | 17.2% | 2.7% | | |
| | 3.5.10 Graded motor imagery. | Frequency | 231 | 39 | 59 | 63 | 54 | 16 | 16.9% | 25.5% | 27.3% | 23.4% | | 6.9% |
| | | Importance | 223 | 63 | 111 | 44 | 5 | | 28.3% | 49.8% | 19.7% | 2.2% | | |
| | | Level of Mastery | 220 | 58 | 93 | 53 | 16 | | 26.4% | 42.3% | 24.1% | 7.3% | | |
| | 3.5.4.11 Graded activity/exercise. | Frequency | 232 | 177 | 48 | 3 | 2 | 2 | 76.3% | 20.7% | 1.3% | 0.9% | | 0.9% |
| | | Importance | 226 | 177 | 47 | 2 | | | 78.3% | 20.8% | 0.9% | | | |
| | | Level of Mastery | 223 | 106 | 77 | 32 | 8 | | 47.5% | 34.5% | 14.3% | 3.6% | | |
| | 3.5.4.12 Protective, adaptive or supporti | Frequency | 231 | 40 | 85 | 63 | 40 | 3 | 17.3% | 36.8% | 27.3% | 17.3% | | 1.3% |
| | | Importance | 224 | 44 | 124 | 51 | 5 | | 19.6% | 55.4% | 22.8% | 2.2% | | |
| | | Level of Mastery | 221 | 39 | 82 | 87 | 13 | | 17.6% | 37.1% | 39.4% | 5.9% | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3.5.4.13 Neural mobilization (e.g., nerve | Frequency | 232 | 101 | 90 | 28 | 13 | | 43.5% | 38.8% | 12.1% | 5.6% | |
| | | Importance | 226 | 120 | 89 | 17 | | | 53.1% | 39.4% | 7.5% | | |
| | | Level of Mastery | 223 | 80 | 88 | 45 | 10 | | 35.9% | 39.5% | 20.2% | 4.5% | |
| | 3.5.14 Non-thrust mobilization/manipul | Frequency | 232 | 171 | 50 | 7 | 4 | | 73.7% | 21.6% | 3.0% | 1.7% | |
| | | Importance | 225 | 157 | 64 | 4 | | | 69.8% | 28.4% | 1.8% | | |
| | | Level of Mastery | 221 | 100 | 91 | 21 | 9 | | 45.2% | 41.2% | 9.5% | 4.1% | |
| | 3.5.15 Thrust mobilization/manipulation | Frequency | 232 | 99 | 79 | 26 | 22 | 6 | 42.7% | 34.1% | 11.2% | 9.5% | 2.6% |
| | | Importance | 226 | 129 | 80 | 14 | 3 | | 57.1% | 35.4% | 6.2% | 1.3% | |
| | | Level of Mastery | 222 | 128 | 65 | 23 | 6 | | 57.7% | 29.3% | 10.4% | 2.7% | |
| | 3.5.16 Soft tissue mobilization (e.g., con | Frequency | 231 | 156 | 53 | 15 | 4 | 3 | 67.5% | 22.9% | 6.5% | 1.7% | 1.3% |
| | | Importance | 226 | 130 | 76 | 18 | 2 | | 57.5% | 33.6% | 8.0% | 0.9% | |
| | | Level of Mastery | 222 | 91 | 84 | 31 | 16 | | 41.0% | 37.8% | 14.0% | 7.2% | |
| | 3.5.17 Mobilization with movement. | Frequency | 230 | 111 | 88 | 24 | 5 | 2 | 48.3% | 38.3% | 10.4% | 2.2% | 0.9% |
| | | Importance | 224 | 112 | 93 | 18 | 1 | | 50.0% | 41.5% | 8.0% | 0.4% | |
| | | Level of Mastery | 221 | 77 | 103 | 32 | 9 | | 34.8% | 46.6% | 14.5% | 4.1% | |
| | 3.5.18 Muscle energy techniques. | Frequency | 232 | 91 | 68 | 35 | 31 | 7 | 39.2% | 29.3% | 15.1% | 13.4% | 3.0% |
| | | Importance | 226 | 81 | 102 | 36 | 7 | | 35.8% | 45.1% | 15.9% | 3.1% | |
| | | Level of Mastery | 222 | 66 | 94 | 48 | 14 | | 29.7% | 42.3% | 21.6% | 6.3% | |
| | 3.5.19 Traction/distraction. | Frequency | 231 | 79 | 90 | 40 | 20 | 2 | 34.2% | 39.0% | 17.3% | 8.7% | 0.9% |
| | | Importance | 225 | 86 | 100 | 36 | 3 | | 38.2% | 44.4% | 16.0% | 1.3% | |
| | | Level of Mastery | 221 | 76 | 72 | 53 | 20 | | 34.4% | 32.6% | 24.0% | 9.0% | |
| | 3.5.4.20 Directional preference exercises | Frequency | 230 | 136 | 71 | 20 | 2 | 1 | 59.1% | 30.9% | 8.7% | 0.9% | 0.4% |
| | | Importance | 224 | 139 | 76 | 9 | | | 62.1% | 33.9% | 4.0% | | |
| | | Level of Mastery | 221 | 95 | 64 | 51 | 11 | | 43.0% | 29.0% | 23.1% | 5.0% | |
| | 3.5.4.21 Electro-therapeutic modalities ( | Frequency | 230 | 35 | 54 | 58 | 60 | 23 | 15.2% | 23.5% | 25.2% | 26.1% | 10.0% |
| | | Importance | 224 | 26 | 67 | 99 | 32 | | 11.6% | 29.9% | 44.2% | 14.3% | |
| | | Level of Mastery | 221 | 34 | 58 | 72 | 57 | | 15.4% | 26.2% | 32.6% | 25.8% | |
| | 3.5.4.22 Thermo-therapeutic modalities | Frequency | 233 | 45 | 55 | 41 | 66 | 26 | 19.3% | 23.6% | 17.6% | 28.3% | 11.2% |
| | | Importance | 226 | 14 | 68 | 106 | 38 | | 6.2% | 30.1% | 46.9% | 16.8% | |
| | | Level of Mastery | 221 | 35 | 44 | 70 | 72 | | 15.8% | 19.9% | 31.7% | 32.6% | |
| | 3.5.23 Photo-therapeutic modalities (e.g | Frequency | 229 | 6 | 15 | 15 | 43 | 150 | 2.6% | 6.6% | 6.6% | 18.8% | 65.5% |
| | | Importance | 221 | 6 | 25 | 81 | 109 | | 2.7% | 11.3% | 36.7% | 49.3% | |
| | | Level of Mastery | 212 | 14 | 26 | 69 | 103 | | 6.6% | 12.3% | 32.5% | 48.6% | |
| | 3.5.24 Dry needling. | Frequency | 230 | 32 | 60 | 35 | 19 | 84 | 13.9% | 26.1% | 15.2% | 8.3% | 36.5% |
| | | Importance | 221 | 42 | 86 | 55 | 38 | | 19.0% | 38.9% | 24.9% | 17.2% | |
| | | Level of Mastery | 213 | 74 | 70 | 36 | 33 | | 34.7% | 32.9% | 16.9% | 15.5% | |
| | 3.5.25 Aerobic capacity and endurance e | Frequency | 230 | 120 | 66 | 28 | 15 | 1 | 52.2% | 28.7% | 12.2% | 6.5% | 0.4% |
| | | Importance | 224 | 105 | 101 | 15 | 3 | | 46.9% | 45.1% | 6.7% | 1.3% | |
| | | Level of Mastery | 221 | 61 | 83 | 50 | 27 | | 27.6% | 37.6% | 22.6% | 12.2% | |
| | 3.5.26 Motor coordination. | Frequency | 229 | 151 | 57 | 15 | 5 | 1 | 65.9% | 24.9% | 6.6% | 2.2% | 0.4% |
| | | Importance | 222 | 134 | 80 | 8 | | | 60.4% | 36.0% | 3.6% | | |
| | | Level of Mastery | 219 | 70 | 97 | 37 | 15 | | 32.0% | 44.3% | 16.9% | 6.8% | |
| | 3.5.27 Muscle performance exercises (e. | Frequency | 230 | 197 | 30 | 3 | | | 85.7% | 13.0% | 1.3% | | |
| | | Importance | 224 | 178 | 44 | 2 | | | 79.5% | 19.6% | 0.9% | | |
| | | Level of Mastery | 220 | 92 | 69 | 39 | 20 | | 41.8% | 31.4% | 17.7% | 9.1% | |
| | 3.5.28.1 Meditation. | Frequency | 230 | 16 | 52 | 58 | 53 | 51 | 7.0% | 22.6% | 25.2% | 23.0% | 22.2% |
| | | Importance | 222 | 24 | 103 | 71 | 24 | | 10.8% | 46.4% | 32.0% | 10.8% | |
| | | Level of Mastery | 213 | 14 | 72 | 80 | 47 | | 6.6% | 33.8% | 37.6% | 22.1% | |
| | 3.5.28.2 Mindfulness. | Frequency | 230 | 49 | 59 | 50 | 45 | 27 | 21.3% | 25.7% | 21.7% | 19.6% | 11.7% |
| | | Importance | 221 | 46 | 107 | 55 | 13 | | 20.8% | 48.4% | 24.9% | 5.9% | |
| | | Level of Mastery | 215 | 18 | 79 | 77 | 41 | | 8.4% | 36.7% | 35.8% | 19.1% | |
| | 3.5.28.3 Hypnosis. | Frequency | 229 | 1 | 3 | 5 | 18 | 202 | 0.4% | 1.3% | 2.2% | 7.9% | 88.2% |
| | | Importance | 218 | 2 | 13 | 53 | 150 | | 0.9% | 6.0% | 24.3% | 68.8% | |
| | | Level of Mastery | 194 | 43 | 14 | 17 | 120 | | 22.2% | 7.2% | 8.8% | 61.9% | |
| 3.6 Re-assessment / re-evaluation | 3.6.1 Assessing intervention response. | Frequency | 227 | 211 | 10 | 5 | | 1 | 93.0% | 4.4% | 2.2% | | 0.4% |
| | | Importance | 221 | 209 | 10 | 1 | 1 | | 94.6% | 4.5% | 0.5% | 0.5% | |
| | | Level of Mastery | 218 | 113 | 54 | 35 | 16 | | 51.8% | 24.8% | 16.1% | 7.3% | |
| | 3.6.2 Analyzing significance of changes. | Frequency | 227 | 197 | 22 | 6 | 2 | | 86.8% | 9.7% | 2.6% | 0.9% | |
| | | Importance | 221 | 196 | 24 | 1 | | | 88.7% | 10.9% | 0.5% | | |
| | | Level of Mastery | 218 | 111 | 63 | 32 | 12 | | 50.9% | 28.9% | 14.7% | 5.5% | |
| | 3.6.3 Assessing change. | Frequency | 227 | 199 | 25 | 3 | | | 87.7% | 11.0% | 1.3% | | |
| | | Importance | 222 | 194 | 27 | 1 | | | 87.4% | 12.2% | 0.5% | | |
| | | Level of Mastery | 219 | 102 | 64 | 39 | 14 | | 46.6% | 29.2% | 17.8% | 6.4% | |
| | 3.6.4 Re-examining/implementing a mod | Frequency | 228 | 137 | 63 | 28 | | | 60.1% | 27.6% | 12.3% | | |
| | | Importance | 222 | 184 | 37 | 1 | | | 82.9% | 16.7% | 0.5% | | |
| | | Level of Mastery | 219 | 104 | 76 | 30 | 9 | | 47.5% | 34.7% | 13.7% | 4.1% | |
| | 3.6.5 Confirming/modifying goals. | Frequency | 228 | 114 | 72 | 40 | 2 | | 50.0% | 31.6% | 17.5% | 0.9% | |
| | | Importance | 221 | 146 | 68 | 7 | | | 66.1% | 30.8% | 3.2% | | |
| | | Level of Mastery | 219 | 81 | 77 | 43 | 18 | | 37.0% | 35.2% | 19.6% | 8.2% | |
| | 3.6.6 Making referrals to other providers | Frequency | 228 | 38 | 79 | 79 | 32 | | 16.7% | 34.6% | 34.6% | 14.0% | |
| | | Importance | 222 | 146 | 73 | 3 | | | 65.8% | 32.9% | 1.4% | | |

| | | | | Frequency | | | | | Percentage | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | # Responses | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never |
| | | Level of Mastery | 218 | 80 | 81 | 49 | 8 | | 36.7% | 37.2% | 22.5% | 3.7% | |
| 3.7 Outcomes Assessment | 3.7.1 Assessing remediation of activity a | Frequency | 223 | 105 | 95 | 21 | 2 | | 47.1% | 42.6% | 9.4% | 0.9% | |
| | | Importance | 217 | 121 | 90 | 5 | 1 | | 55.8% | 41.5% | 2.3% | 0.5% | |
| | | Level of Mastery | 213 | 65 | 95 | 43 | 10 | | 30.5% | 44.6% | 20.2% | 4.7% | |
| | 3.7.2 Assessing patient satisfaction. | Frequency | 225 | 128 | 61 | 26 | 10 | | 56.9% | 27.1% | 11.6% | 4.4% | |
| | | Importance | 219 | 144 | 65 | 9 | 1 | | 65.8% | 29.7% | 4.1% | 0.5% | |
| | | Level of Mastery | 216 | 61 | 69 | 61 | 25 | | 28.2% | 31.9% | 28.2% | 11.6% | |
| | 3.7.3 Assessing promotion of primary an | Frequency | 224 | 78 | 92 | 43 | 9 | 2 | 34.8% | 41.1% | 19.2% | 4.0% | 0.9% |
| | | Importance | 217 | 82 | 116 | 18 | 1 | | 37.8% | 53.5% | 8.3% | 0.5% | |
| | | Level of Mastery | 213 | 56 | 76 | 72 | 9 | | 26.3% | 35.7% | 33.8% | 4.2% | |
| | 3.7.4 Assessing improvement of patient | Frequency | 224 | 106 | 79 | 36 | 2 | 1 | 47.3% | 35.3% | 16.1% | 0.9% | 0.4% |
| | | Importance | 218 | 125 | 82 | 10 | 1 | | 57.3% | 37.6% | 4.6% | 0.5% | |
| | | Level of Mastery | 213 | 72 | 75 | 53 | 13 | | 33.8% | 35.2% | 24.9% | 6.1% | |
| | 3.7.5 Using applicable, evidence-based o | Frequency | 223 | 115 | 53 | 50 | 5 | | 51.6% | 23.8% | 22.4% | 2.2% | |
| | | Importance | 217 | 114 | 87 | 16 | | | 52.5% | 40.1% | 7.4% | | |
| | | Level of Mastery | 214 | 63 | 68 | 48 | 35 | | 29.4% | 31.8% | 22.4% | 16.4% | |

**Part 6. Medical Conditions**

| | | | | Frequency | | | | | Percentage | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | # Responses | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never |
| 6.1 Nervous System | 6.1.1 Cervical Radiculopathy | Frequency | 224 | 112 | 81 | 30 | 1 | | 50.0% | 36.2% | 13.4% | 0.4% | |
| | | Importance | 218 | 202 | 16 | | | | 92.7% | 7.3% | | | |
| | | Level of Mastery | 215 | 125 | 64 | 21 | 5 | | 58.1% | 29.8% | 9.8% | 2.3% | |
| | 6.1.2 Lumbar Radiculopathy | Frequency | 224 | 134 | 72 | 17 | 1 | | 59.8% | 32.1% | 7.6% | 0.4% | |
| | | Importance | 218 | 198 | 19 | 1 | | | 90.8% | 8.7% | 0.5% | | |
| | | Level of Mastery | 215 | 126 | 64 | 19 | 6 | | 58.6% | 29.8% | 8.8% | 2.8% | |
| | 6.1.3 Thoracic Outlet Syndrome | Frequency | 222 | 20 | 30 | 60 | 108 | 4 | 9.0% | 13.5% | 27.0% | 48.6% | 1.8% |
| | | Importance | 215 | 110 | 88 | 15 | 2 | | 51.2% | 40.9% | 7.0% | 0.9% | |
| | | Level of Mastery | 212 | 96 | 82 | 28 | 6 | | 45.3% | 38.7% | 13.2% | 2.8% | |
| | 6.1.4 Other peripheral neural impingeme | Frequency | 222 | 30 | 54 | 64 | 71 | 3 | 13.5% | 24.3% | 28.8% | 32.0% | 1.4% |
| | | Importance | 217 | 129 | 76 | 12 | | | 59.4% | 35.0% | 5.5% | | |
| | | Level of Mastery | 214 | 101 | 85 | 26 | 2 | | 47.2% | 39.7% | 12.1% | 0.9% | |
| | 6.1.5 Meralgia paresthetica. | Frequency | 222 | 9 | 9 | 34 | 140 | 30 | 4.1% | 4.1% | 15.3% | 63.1% | 13.5% |
| | | Importance | 214 | 63 | 101 | 46 | 4 | | 29.4% | 47.2% | 21.5% | 1.9% | |
| | | Level of Mastery | 212 | 67 | 91 | 42 | 12 | | 31.6% | 42.9% | 19.8% | 5.7% | |
| | 6.1.6 Cervical Myelopathy. | Frequency | 224 | 22 | 24 | 50 | 112 | 16 | 9.8% | 10.7% | 22.3% | 50.0% | 7.1% |
| | | Importance | 218 | 166 | 43 | 9 | | | 76.1% | 19.7% | 4.1% | | |
| | | Level of Mastery | 215 | 106 | 80 | 20 | 9 | | 49.3% | 37.2% | 9.3% | 4.2% | |
| 6.2 Musculoskeletal System | 6.2.1 Cervical Disc Pathologies (e.g., DDD | Frequency | 222 | 131 | 65 | 22 | 4 | | 59.0% | 29.3% | 9.9% | 1.8% | |
| | | Importance | 215 | 179 | 31 | 5 | | | 83.3% | 14.4% | 2.3% | | |
| | | Level of Mastery | 213 | 113 | 67 | 26 | 7 | | 53.1% | 31.5% | 12.2% | 3.3% | |
| | 6.2.2 Cervical Instability | Frequency | 223 | 46 | 31 | 49 | 89 | 8 | 20.6% | 13.9% | 22.0% | 39.9% | 3.6% |
| | | Importance | 217 | 175 | 39 | 2 | 1 | | 80.6% | 18.0% | 0.9% | 0.5% | |
| | | Level of Mastery | 214 | 116 | 71 | 25 | 2 | | 54.2% | 33.2% | 11.7% | 0.9% | |
| | 6.2.3 Cervical Sprain/Strain | Frequency | 223 | 109 | 66 | 43 | 5 | | 48.9% | 29.6% | 19.3% | 2.2% | |
| | | Importance | 217 | 155 | 59 | 3 | | | 71.4% | 27.2% | 1.4% | | |
| | | Level of Mastery | 214 | 95 | 69 | 40 | 10 | | 44.4% | 32.2% | 18.7% | 4.7% | |
| | 6.2.4 Cervicogenic Headache | Frequency | 223 | 51 | 87 | 61 | 24 | | 22.9% | 39.0% | 27.4% | 10.8% | |
| | | Importance | 217 | 153 | 61 | 3 | | | 70.5% | 28.1% | 1.4% | | |
| | | Level of Mastery | 212 | 110 | 74 | 26 | 2 | | 51.9% | 34.9% | 12.3% | 0.9% | |
| | 6.2.5 Chronic Pain Syndromes | Frequency | 223 | 67 | 85 | 51 | 18 | 2 | 30.0% | 38.1% | 22.9% | 8.1% | 0.9% |
| | | Importance | 215 | 153 | 60 | 1 | 1 | | 71.2% | 27.9% | 0.5% | 0.5% | |
| | | Level of Mastery | 212 | 104 | 85 | 21 | 2 | | 49.1% | 40.1% | 9.9% | 0.9% | |
| | 6.2.6 Other Disorders of Cervical Spine | Frequency | 223 | 64 | 64 | 55 | 37 | 3 | 28.7% | 28.7% | 24.7% | 16.6% | 1.3% |
| | | Importance | 216 | 115 | 90 | 10 | 1 | | 53.2% | 41.7% | 4.6% | 0.5% | |
| | | Level of Mastery | 212 | 77 | 93 | 38 | 4 | | 36.3% | 43.9% | 17.9% | 1.9% | |
| | 6.2.7 Temporomandibular Dysfunction | Frequency | 221 | 17 | 22 | 50 | 102 | 30 | 7.7% | 10.0% | 22.6% | 46.2% | 13.6% |
| | | Importance | 213 | 85 | 102 | 25 | 1 | | 39.9% | 47.9% | 11.7% | 0.5% | |
| | | Level of Mastery | 208 | 71 | 88 | 37 | 12 | | 34.1% | 42.3% | 17.8% | 5.8% | |
| | 6.2.8 Disorders of the Hip | Frequency | 222 | 97 | 99 | 21 | 5 | | 43.7% | 44.6% | 9.5% | 2.3% | |
| | | Importance | 216 | 163 | 50 | 3 | | | 75.5% | 23.1% | 1.4% | | |
| | | Level of Mastery | 213 | 96 | 81 | 29 | 7 | | 45.1% | 38.0% | 13.6% | 3.3% | |
| | 6.2.9 Lumbar Disc Pathologies (e.g., DDD | Frequency | 221 | 150 | 59 | 9 | 3 | | 67.9% | 26.7% | 4.1% | 1.4% | |
| | | Importance | 215 | 184 | 27 | 4 | | | 85.6% | 12.6% | 1.9% | | |
| | | Level of Mastery | 210 | 118 | 60 | 21 | 11 | | 56.2% | 28.6% | 10.0% | 5.2% | |
| | 6.2.10 Lumbar Instability | Frequency | 222 | 69 | 66 | 48 | 34 | 5 | 31.1% | 29.7% | 21.6% | 15.3% | 2.3% |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Importance | 216 | 153 | 54 | 7 | 2 | | 70.8% | 25.0% | 3.2% | 0.9% | |
| | Level of Mastery | 213 | 113 | 72 | 23 | 5 | | 53.1% | 33.8% | 10.8% | 2.3% | |
| 6.2.11 Lumbar Spondylosis / Spondylolis | Frequency | 222 | 83 | 72 | 48 | 18 | 1 | 37.4% | 32.4% | 21.6% | 8.1% | 0.5% |
| | Importance | 216 | 155 | 55 | 5 | 1 | | 71.8% | 25.5% | 2.3% | 0.5% | |
| | Level of Mastery | 213 | 110 | 69 | 26 | 8 | | 51.6% | 32.4% | 12.2% | 3.8% | |
| 6.2.12 Lumbar Strain | Frequency | 222 | 115 | 73 | 31 | 3 | | 51.8% | 32.9% | 14.0% | 1.4% | |
| | Importance | 216 | 142 | 65 | 9 | | | 65.7% | 30.1% | 4.2% | | |
| | Level of Mastery | 213 | 100 | 57 | 36 | 20 | | 46.9% | 26.8% | 16.9% | 9.4% | |
| 6.2.13 Other Disorders of the Lumbar Sp | Frequency | 220 | 76 | 68 | 54 | 21 | 1 | 34.5% | 30.9% | 24.5% | 9.5% | 0.5% |
| | Importance | 212 | 124 | 80 | 8 | | | 58.5% | 37.7% | 3.8% | | |
| | Level of Mastery | 209 | 93 | 73 | 36 | 7 | | 44.5% | 34.9% | 17.2% | 3.3% | |
| 6.2.14 Piriformis Syndrome | Frequency | 221 | 26 | 49 | 75 | 63 | 8 | 11.8% | 22.2% | 33.9% | 28.5% | 3.6% |
| | Importance | 213 | 88 | 81 | 38 | 6 | | 41.3% | 38.0% | 17.8% | 2.8% | |
| | Level of Mastery | 209 | 72 | 81 | 38 | 18 | | 34.4% | 38.8% | 18.2% | 8.6% | |
| 6.2.15 Sacroiliac Dysfunction | Frequency | 222 | 52 | 59 | 62 | 47 | 2 | 23.4% | 26.6% | 27.9% | 21.2% | 0.9% |
| | Importance | 215 | 115 | 81 | 17 | 2 | | 53.5% | 37.7% | 7.9% | 0.9% | |
| | Level of Mastery | 212 | 94 | 80 | 34 | 4 | | 44.3% | 37.7% | 16.0% | 1.9% | |
| 6.2.16 Other Disorders of the Pelvic Gird | Frequency | 222 | 34 | 48 | 56 | 76 | 8 | 15.3% | 21.6% | 25.2% | 34.2% | 3.6% |
| | Importance | 213 | 91 | 99 | 21 | 2 | | 42.7% | 46.5% | 9.9% | 0.9% | |
| | Level of Mastery | 207 | 66 | 93 | 45 | 3 | | 31.9% | 44.9% | 21.7% | 1.4% | |
| 6.2.17 Inflammatory Conditions | Frequency | 222 | 17 | 32 | 69 | 97 | 7 | 7.7% | 14.4% | 31.1% | 43.7% | 3.2% |
| | Importance | 214 | 116 | 86 | 12 | | | 54.2% | 40.2% | 5.6% | | |
| | Level of Mastery | 210 | 75 | 85 | 46 | 4 | | 35.7% | 40.5% | 21.9% | 1.9% | |
| 6.2.18 Rib Dysfunction | Frequency | 220 | 24 | 40 | 67 | 81 | 8 | 10.9% | 18.2% | 30.5% | 36.8% | 3.6% |
| | Importance | 213 | 100 | 86 | 22 | 5 | | 46.9% | 40.4% | 10.3% | 2.3% | |
| | Level of Mastery | 209 | 81 | 90 | 34 | 4 | | 38.8% | 43.1% | 16.3% | 1.9% | |
| 6.2.19 Thoracic Sprain/Strain | Frequency | 220 | 35 | 68 | 70 | 46 | 1 | 15.9% | 30.9% | 31.8% | 20.9% | 0.5% |
| | Importance | 214 | 103 | 91 | 20 | | | 48.1% | 42.5% | 9.3% | | |
| | Level of Mastery | 211 | 83 | 79 | 40 | 9 | | 39.3% | 37.4% | 19.0% | 4.3% | |
| 6.2.20 Thoracic Disc Pathologies | Frequency | 219 | 14 | 26 | 49 | 116 | 14 | 6.4% | 11.9% | 22.4% | 53.0% | 6.4% |
| | Importance | 212 | 84 | 101 | 23 | 4 | | 39.6% | 47.6% | 10.8% | 1.9% | |
| | Level of Mastery | 209 | 72 | 92 | 37 | 8 | | 34.4% | 44.0% | 17.7% | 3.8% | |
| 6.2.21 Other Disorders of the Thoracic S | Frequency | 217 | 27 | 39 | 64 | 82 | 5 | 12.4% | 18.0% | 29.5% | 37.8% | 2.3% |
| | Importance | 210 | 81 | 95 | 33 | 1 | | 38.6% | 45.2% | 15.7% | 0.5% | |
| | Level of Mastery | 207 | 61 | 94 | 44 | 8 | | 29.5% | 45.4% | 21.3% | 3.9% | |
| 6.2.22 Curvature of the spine (e.g., scolic | Frequency | 221 | 33 | 42 | 70 | 65 | 11 | 14.9% | 19.0% | 31.7% | 29.4% | 5.0% |
| | Importance | 212 | 93 | 101 | 17 | 1 | | 43.9% | 47.6% | 8.0% | 0.5% | |
| | Level of Mastery | 209 | 68 | 86 | 46 | 9 | | 32.5% | 41.1% | 22.0% | 4.3% | |
| 6.2.23 Diastasis recti. | Frequency | 220 | 9 | 19 | 51 | 101 | 40 | 4.1% | 8.6% | 23.2% | 45.9% | 18.2% |
| | Importance | 211 | 70 | 86 | 48 | 7 | | 33.2% | 40.8% | 22.7% | 3.3% | |
| | Level of Mastery | 206 | 37 | 88 | 65 | 16 | | 18.0% | 42.7% | 31.6% | 7.8% | |
| 6.2.24 Facet dysfunction (cervical, throa | Frequency | 221 | 102 | 72 | 37 | 10 | | 46.2% | 32.6% | 16.7% | 4.5% | |
| | Importance | 214 | 150 | 55 | 8 | 1 | | 70.1% | 25.7% | 3.7% | 0.5% | |
| | Level of Mastery | 212 | 107 | 71 | 27 | 7 | | 50.5% | 33.5% | 12.7% | 3.3% | |
| 6.2.25 Operative procedure on spinal str | Frequency | 220 | 38 | 69 | 70 | 40 | 3 | 17.3% | 31.4% | 31.8% | 18.2% | 1.4% |
| | Importance | 214 | 146 | 62 | 6 | | | 68.2% | 29.0% | 2.8% | | |
| | Level of Mastery | 210 | 91 | 77 | 35 | 7 | | 43.3% | 36.7% | 16.7% | 3.3% | |
| 6.2.26 Spinal stenosis. | Frequency | 220 | 88 | 82 | 36 | 13 | 1 | 40.0% | 37.3% | 16.4% | 5.9% | 0.5% |
| | Importance | 213 | 146 | 64 | 2 | 1 | | 68.5% | 30.0% | 0.9% | 0.5% | |
| | Level of Mastery | 211 | 96 | 72 | 31 | 12 | | 45.5% | 34.1% | 14.7% | 5.7% | |
| 6.2.27 Oncological Disorders | Frequency | 220 | 9 | 14 | 35 | 133 | 29 | 4.1% | 6.4% | 15.9% | 60.5% | 13.2% |
| | Importance | 208 | 130 | 57 | 17 | 4 | | 62.5% | 27.4% | 8.2% | 1.9% | |
| | Level of Mastery | 206 | 67 | 85 | 41 | 13 | | 32.5% | 41.3% | 19.9% | 6.3% | |
| 6.2.28 Torticollis | Frequency | 220 | 7 | 8 | 19 | 115 | 71 | 3.2% | 3.6% | 8.6% | 52.3% | 32.3% |
| | Importance | 209 | 69 | 83 | 41 | 16 | | 33.0% | 39.7% | 19.6% | 7.7% | |
| | Level of Mastery | 205 | 39 | 83 | 57 | 26 | | 19.0% | 40.5% | 27.8% | 12.7% | |
| 6.2.29 Klippel-Feil Syndrome | Frequency | 220 | 3 | 5 | 8 | 86 | 118 | 1.4% | 2.3% | 3.6% | 39.1% | 53.6% |
| | Importance | 200 | 44 | 81 | 53 | 22 | | 22.0% | 40.5% | 26.5% | 11.0% | |
| | Level of Mastery | 199 | 37 | 65 | 55 | 42 | | 18.6% | 32.7% | 27.6% | 21.1% | |
| 6.2.30 Scheuermann's Disease | Frequency | 220 | 6 | 5 | 22 | 127 | 60 | 2.7% | 2.3% | 10.0% | 57.7% | 27.3% |
| | Importance | 207 | 48 | 95 | 52 | 12 | | 23.2% | 45.9% | 25.1% | 5.8% | |
| | Level of Mastery | 203 | 32 | 77 | 66 | 28 | | 15.8% | 37.9% | 32.5% | 13.8% | |

## Frequency of Responses in Order of Importance and Frequency (High to Low)

### Part 1. Foundation Sciences

| | | | | Frequency | | | | | Percentage | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | # Responses | Daily / Very Important / Analysis | Weekly / Moderately Important / Application | Monthly / Little Importance / Recall | Less than once a month / Not Important / Do not use | Never | Daily / Very Important / Analysis | Weekly / Moderately Important / Application | Monthly / Little Importance / Recall | Less than once a month / Not Important / Do not use | Never |
| 1.3 Behavioral Sciences | 1.3.3.7 Therapeutic exercise. | Frequency | 453 | 449 | 4 | | | | 99.1% | 0.9% | | | |
| | | Importance | 442 | 426 | 14 | 1 | 1 | | 96.4% | 3.2% | 0.2% | 0.2% | |
| | | Level of Judgment | 427 | 315 | 111 | 1 | | | 73.8% | 26.0% | 0.2% | | |
| 1.1 Foundation Sciences | 1.1.2.1 Kinesiology/biomechanics. | Frequency | 588 | 557 | 27 | 2 | 2 | | 94.7% | 4.6% | 0.3% | 0.3% | |
| | | Importance | 569 | 507 | 56 | 6 | | | 89.1% | 9.8% | 1.1% | | |
| | | Level of Judgment | 546 | 457 | 80 | 9 | | | 83.7% | 14.7% | 1.6% | | |
| 1.1 Foundation Sciences | 1.1.1.1 Musculoskeletal system. | Frequency | 640 | 618 | 20 | 2 | | | 96.6% | 3.1% | 0.3% | | |
| | | Importance | 620 | 572 | 46 | 2 | | | 92.3% | 7.4% | 0.3% | | |
| | | Level of Judgment | 597 | 440 | 127 | 30 | | | 73.7% | 21.3% | 5.0% | | |
| 1.1 Foundation Sciences | 1.1.1.2 Neuromuscular system. | Frequency | 635 | 585 | 45 | 5 | | | 92.1% | 7.1% | 0.8% | | |
| | | Importance | 614 | 561 | 53 | | | | 91.4% | 8.6% | | | |
| | | Level of Judgment | 592 | 454 | 119 | 19 | | | 76.7% | 20.1% | 3.2% | | |
| 1.2 Clinical Sciences | 1.2.1.1 Signs and symptoms of disease/injury. | Frequency | 534 | 480 | 44 | 7 | 3 | | 89.9% | 8.2% | 1.3% | 0.6% | |
| | | Importance | 515 | 458 | 57 | | | | 88.9% | 11.1% | | | |
| | | Level of Judgment | 495 | 350 | 110 | 35 | | | 70.7% | 22.2% | 7.1% | | |
| 1.1 Foundation Sciences | 1.1.2.2 Neural control of movement. | Frequency | 590 | 518 | 63 | 6 | 2 | 1 | 87.8% | 10.7% | 1.0% | 0.3% | 0.2% |
| | | Importance | 569 | 469 | 96 | 3 | 1 | | 82.4% | 16.9% | 0.5% | 0.2% | |
| | | Level of Judgment | 548 | 432 | 110 | 5 | 1 | | 78.8% | 20.1% | 0.9% | 0.2% | |
| 1.3 Behavioral Sciences | 1.3.1.2 Personal factors (e.g., compliance, body awar | Frequency | 487 | 428 | 48 | 11 | | | 87.9% | 9.9% | 2.3% | | |
| | | Importance | 470 | 382 | 85 | 3 | | | 81.3% | 18.1% | 0.6% | | |
| | | Level of Judgment | 452 | 315 | 122 | 15 | | | 69.7% | 27.0% | 3.3% | | |
| 1.3 Behavioral Sciences | 1.3.3.4 Movement systems impairments. | Frequency | 452 | 394 | 35 | 17 | 3 | 3 | 87.2% | 7.7% | 3.8% | 0.7% | 0.7% |
| | | Importance | 440 | 338 | 81 | 19 | 2 | | 76.8% | 18.4% | 4.3% | 0.5% | |
| | | Level of Judgment | 425 | 309 | 101 | 13 | 2 | | 72.7% | 23.8% | 3.1% | 0.5% | |
| 1.3 Behavioral Sciences | 1.3.3.3 Manual therapy techniques. | Frequency | 452 | 394 | 50 | 3 | 4 | 1 | 87.2% | 11.1% | 0.7% | 0.9% | 0.2% |
| | | Importance | 442 | 341 | 85 | 15 | 1 | | 77.1% | 19.2% | 3.4% | 0.2% | |
| | | Level of Judgment | 426 | 297 | 126 | 2 | 1 | | 69.7% | 29.6% | 0.5% | 0.2% | |
| 1.2 Clinical Sciences | 1.2.1.2 Progression of disease/injury processes. | Frequency | 535 | 436 | 87 | 10 | 2 | | 81.5% | 16.3% | 1.9% | 0.4% | |
| | | Importance | 516 | 421 | 94 | 1 | | | 81.6% | 18.2% | 0.2% | | |
| | | Level of Judgment | 496 | 312 | 148 | 36 | | | 62.9% | 29.8% | 7.3% | | |
| 1.3 Behavioral Sciences | 1.3.3.5 Motor control and motor learning. | Frequency | 453 | 380 | 61 | 11 | 1 | | 83.9% | 13.5% | 2.4% | 0.2% | |
| | | Importance | 442 | 335 | 96 | 10 | 1 | | 75.8% | 21.7% | 2.3% | 0.2% | |
| | | Level of Judgment | 426 | 276 | 141 | 8 | 1 | | 64.8% | 33.1% | 1.9% | 0.2% | |
| 1.1 Foundation Sciences | 1.1.2.4 Locomotion. | Frequency | 589 | 482 | 92 | 8 | 7 | | 81.8% | 15.6% | 1.4% | 1.2% | |
| | | Importance | 569 | 399 | 153 | 16 | 1 | | 70.1% | 26.9% | 2.8% | 0.2% | |
| | | Level of Judgment | 549 | 378 | 153 | 17 | 1 | | 68.9% | 27.9% | 3.1% | 0.2% | |
| 1.2 Clinical Sciences | 1.2.1.4 Tissue inflammation, healing, and repair. | Frequency | 536 | 446 | 80 | 10 | | | 83.2% | 14.9% | 1.9% | | |
| | | Importance | 517 | 411 | 105 | 1 | | | 79.5% | 20.3% | 0.2% | | |
| | | Level of Judgment | 497 | 284 | 171 | 42 | | | 57.1% | 34.4% | 8.5% | | |
| 1.3 Behavioral Sciences | 1.3.1.3 Psychological/emotional conditions (e.g., anx | Frequency | 488 | 370 | 94 | 18 | 6 | | 75.8% | 19.3% | 3.7% | 1.2% | |
| | | Importance | 471 | 355 | 114 | 2 | | | 75.4% | 24.2% | 0.4% | | |
| | | Level of Judgment | 452 | 285 | 145 | 22 | | | 63.1% | 32.1% | 4.9% | | |
| 1.2 Clinical Sciences | 1.2.1.3 Pathokinesiology. | Frequency | 534 | 403 | 108 | 19 | 4 | | 75.5% | 20.2% | 3.6% | 0.7% | |
| | | Importance | 516 | 356 | 146 | 13 | 1 | | 69.0% | 28.3% | 2.5% | 0.2% | |
| | | Level of Judgment | 497 | 334 | 123 | 39 | 1 | | 67.2% | 24.7% | 7.8% | 0.2% | |
| 1.3 Behavioral Sciences | 1.3.3.9 Principles of teaching and learning. | Frequency | 454 | 356 | 71 | 19 | 6 | 2 | 78.4% | 15.6% | 4.2% | 1.3% | 0.4% |
| | | Importance | 442 | 309 | 121 | 12 | | | 69.9% | 27.4% | 2.7% | | |
| | | Level of Judgment | 428 | 211 | 200 | 17 | | | 49.3% | 46.7% | 4.0% | | |
| 1.3 Behavioral Sciences | 1.3.3.8 Models of differential diagnosis and clinical r | Frequency | 447 | 305 | 75 | 21 | 21 | 25 | 68.2% | 16.8% | 4.7% | 4.7% | 5.6% |
| | | Importance | 433 | 270 | 102 | 42 | 19 | | 62.4% | 23.6% | 9.7% | 4.4% | |
| | | Level of Judgment | 418 | 264 | 86 | 43 | 25 | | 63.2% | 20.6% | 10.3% | 6.0% | |
| 1.3 Behavioral Sciences | 1.3.2.1 Peripheral nociceptive pain physiology. | Frequency | 486 | 331 | 123 | 23 | 8 | 1 | 68.1% | 25.3% | 4.7% | 1.6% | 0.2% |
| | | Importance | 469 | 303 | 156 | 8 | 2 | | 64.6% | 33.3% | 1.7% | 0.4% | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Level of Judgment | 452 | 253 | 160 | 37 | 2 | | 56.0% | 35.4% | 8.2% | 0.4% | | |
| 1.3 Behavioral Sciences | 1.3.2.2 Peripheral neurogenic/neuropathic pain phys | Frequency | 487 | 290 | 156 | 28 | 12 | 1 | 59.5% | 32.0% | 5.7% | 2.5% | 0.2% | |
| | | Importance | 470 | 302 | 160 | 7 | 1 | | 64.3% | 34.0% | 1.5% | 0.2% | | |
| | | Level of Judgment | 451 | 247 | 170 | 33 | 1 | | 54.8% | 37.7% | 7.3% | 0.2% | | |
| 1.3 Behavioral Sciences | 1.3.3.1 Biopsychosocial model. | Frequency | 451 | 288 | 95 | 38 | 25 | 5 | 63.9% | 21.1% | 8.4% | 5.5% | 1.1% | |
| | | Importance | 440 | 268 | 130 | 38 | 4 | | 60.9% | 29.5% | 8.6% | 0.9% | | |
| | | Level of Judgment | 424 | 226 | 140 | 50 | 8 | | 53.3% | 33.0% | 11.8% | 1.9% | | |
| 1.3 Behavioral Sciences | 1.3.1.1 External environmental factors (e.g., expecte | Frequency | 489 | 324 | 118 | 33 | 13 | 1 | 66.3% | 24.1% | 6.7% | 2.7% | 0.2% | |
| | | Importance | 471 | 274 | 172 | 22 | 3 | | 58.2% | 36.5% | 4.7% | 0.6% | | |
| | | Level of Judgment | 453 | 241 | 175 | 35 | 2 | | 53.2% | 38.6% | 7.7% | 0.4% | | |
| 1.3 Behavioral Sciences | 1.3.2.3 Central nervous system/nociplastic pain phys | Frequency | 487 | 266 | 151 | 45 | 22 | 3 | 54.6% | 31.0% | 9.2% | 4.5% | 0.6% | |
| | | Importance | 470 | 302 | 158 | 8 | 2 | | 64.3% | 33.6% | 1.7% | 0.4% | | |
| | | Level of Judgment | 452 | 250 | 156 | 43 | 3 | | 55.3% | 34.5% | 9.5% | 0.7% | | |
| 1.3 Behavioral Sciences | 1.3.3.10 Principles of prevention and wellness. | Frequency | 454 | 302 | 119 | 24 | 9 | | 66.5% | 26.2% | 5.3% | 2.0% | | |
| | | Importance | 443 | 293 | 134 | 16 | | | 66.1% | 30.2% | 3.6% | | | |
| | | Level of Judgment | 428 | 166 | 229 | 32 | 1 | | 38.8% | 53.5% | 7.5% | 0.2% | | |
| 1.1 Foundation Sciences | 1.1.2.3 Ergonomics. | Frequency | 589 | 365 | 185 | 31 | 7 | 1 | 62.0% | 31.4% | 5.3% | 1.2% | 0.2% | |
| | | Importance | 569 | 321 | 218 | 29 | 1 | | 56.4% | 38.3% | 5.1% | 0.2% | | |
| | | Level of Judgment | 549 | 279 | 246 | 23 | 1 | | 50.8% | 44.8% | 4.2% | 0.2% | | |
| 1.4 Critical Inquiry for Evidence-Based Practice | 1.4.2 Application of research findings to orthopaedic | Frequency | 441 | 191 | 128 | 102 | 20 | | 43.3% | 29.0% | 23.1% | 4.5% | | |
| | | Importance | 430 | 279 | 145 | 6 | | | 64.9% | 33.7% | 1.4% | | | |
| | | Level of Judgment | 414 | 235 | 155 | 23 | 1 | | 56.8% | 37.4% | 5.6% | 0.2% | | |
| 1.3 Behavioral Sciences | 1.3.3.2 Exercise physiology across the lifespan. | Frequency | 453 | 292 | 123 | 27 | 10 | 1 | 64.5% | 27.2% | 6.0% | 2.2% | 0.2% | |
| | | Importance | 439 | 245 | 176 | 17 | 1 | | 55.8% | 40.1% | 3.9% | 0.2% | | |
| | | Level of Judgment | 424 | 182 | 198 | 42 | 2 | | 42.9% | 46.7% | 9.9% | 0.5% | | |
| 1.4 Critical Inquiry for Evidence-Based Practice | 1.4.1 Critical interpretation of research findings | Frequency | 441 | 114 | 174 | 132 | 20 | 1 | 25.9% | 39.5% | 29.9% | 4.5% | 0.2% | |
| | | Importance | 430 | 272 | 152 | 6 | | | 63.3% | 35.3% | 1.4% | | | |
| | | Level of Judgment | 416 | 258 | 127 | 29 | 2 | | 62.0% | 30.5% | 7.0% | 0.5% | | |
| 1.3 Behavioral Sciences | 1.3.1.4 Impact of behavioral health risk factors (e.g., | Frequency | 488 | 263 | 160 | 49 | 16 | | 53.9% | 32.8% | 10.0% | 3.3% | | |
| | | Importance | 471 | 247 | 205 | 19 | | | 52.4% | 43.5% | 4.0% | | | |
| | | Level of Judgment | 452 | 145 | 213 | 94 | | | 32.1% | 47.1% | 20.8% | | | |
| 1.2 Clinical Sciences | 1.2.2.5 Spine surgical interventions and their indicati | Frequency | 534 | 175 | 211 | 117 | 28 | 3 | 32.8% | 39.5% | 21.9% | 5.2% | 0.6% | |
| | | Importance | 516 | 324 | 173 | 18 | 1 | | 62.8% | 33.5% | 3.5% | 0.2% | | |
| | | Level of Judgment | 498 | 204 | 212 | 79 | 3 | | 41.0% | 42.6% | 15.9% | 0.6% | | |
| 1.1 Foundation Sciences | 1.1.1.6 Histology (e.g., connective tissue, muscle fibe | Frequency | 631 | 286 | 193 | 74 | 66 | 12 | 45.3% | 30.6% | 11.7% | 10.5% | 1.9% | |
| | | Importance | 609 | 218 | 302 | 82 | 7 | | 35.8% | 49.6% | 13.5% | 1.1% | | |
| | | Level of Judgment | 589 | 196 | 246 | 141 | 6 | | 33.3% | 41.8% | 23.9% | 1.0% | | |
| 1.2 Clinical Sciences | 1.2.2.4 Nonsurgical interventional spine procedures | Frequency | 533 | 158 | 228 | 113 | 29 | 5 | 29.6% | 42.8% | 21.2% | 5.4% | 0.9% | |
| | | Importance | 514 | 214 | 258 | 40 | 2 | | 41.6% | 50.2% | 7.8% | 0.4% | | |
| | | Level of Judgment | 497 | 157 | 219 | 116 | 5 | | 31.6% | 44.1% | 23.3% | 1.0% | | |
| 1.1 Foundation Sciences | 1.1.1.3 Cardiovascular and pulmonary systems. | Frequency | 636 | 190 | 262 | 113 | 67 | 4 | 29.9% | 41.2% | 17.8% | 10.5% | 0.6% | |
| | | Importance | 615 | 200 | 348 | 66 | 1 | | 32.5% | 56.6% | 10.7% | 0.2% | | |
| | | Level of Judgment | 593 | 159 | 296 | 134 | 4 | | 26.8% | 49.9% | 22.6% | 0.7% | | |
| 1.2 Clinical Sciences | 1.2.2.1 Imaging studies. | Frequency | 536 | 170 | 266 | 76 | 20 | 4 | 31.7% | 49.6% | 14.2% | 3.7% | 0.7% | |
| | | Importance | 518 | 121 | 317 | 76 | 4 | | 23.4% | 61.2% | 14.7% | 0.8% | | |
| | | Level of Judgment | 499 | 166 | 242 | 88 | 3 | | 33.3% | 48.5% | 17.6% | 0.6% | | |
| 1.1 Foundation Sciences | 1.1.1.5 Human growth and development across the l | Frequency | 634 | 190 | 176 | 142 | 115 | 11 | 30.0% | 27.8% | 22.4% | 18.1% | 1.7% | |
| | | Importance | 613 | 176 | 319 | 111 | 7 | | 28.7% | 52.0% | 18.1% | 1.1% | | |
| | | Level of Judgment | 591 | 169 | 238 | 170 | 14 | | 28.6% | 40.3% | 28.8% | 2.4% | | |
| 1.3 Behavioral Sciences | 1.3.2.4 Output mechanisms and expressions (e.g., in | Frequency | 487 | 130 | 179 | 113 | 58 | 7 | 26.7% | 36.8% | 23.2% | 11.9% | 1.4% | |
| | | Importance | 470 | 140 | 248 | 74 | 8 | | 29.8% | 52.8% | 15.7% | 1.7% | | |
| | | Level of Judgment | 450 | 121 | 193 | 124 | 12 | | 26.9% | 42.9% | 27.6% | 2.7% | | |
| 1.2 Clinical Sciences | 1.2.2.2 Pharmacology. | Frequency | 535 | 201 | 215 | 83 | 32 | 4 | 37.6% | 40.2% | 15.5% | 6.0% | 0.7% | |
| | | Importance | 517 | 119 | 334 | 62 | 2 | | 23.0% | 64.6% | 12.0% | 0.4% | | |
| | | Level of Judgment | 498 | 80 | 212 | 200 | 6 | | 16.1% | 42.6% | 40.2% | 1.2% | | |
| 1.1 Foundation Sciences | 1.1.1.7 Other systems (e.g., endocrine, digestive, ge | Frequency | 634 | 139 | 191 | 149 | 143 | 12 | 21.9% | 30.1% | 23.5% | 22.6% | 1.9% | |
| | | Importance | 612 | 116 | 356 | 132 | 8 | | 19.0% | 58.2% | 21.6% | 1.3% | | |
| | | Level of Judgment | 591 | 155 | 197 | 223 | 16 | | 26.2% | 33.3% | 37.7% | 2.7% | | |
| 1.1 Foundation Sciences | 1.1.1.4 Integumentary system. | Frequency | 634 | 162 | 208 | 124 | 125 | 15 | 25.6% | 32.8% | 19.6% | 19.7% | 2.4% | |
| | | Importance | 613 | 103 | 339 | 162 | 9 | | 16.8% | 55.3% | 26.4% | 1.5% | | |
| | | Level of Judgment | 592 | 110 | 250 | 218 | 14 | | 18.6% | 42.2% | 36.8% | 2.4% | | |
| 1.3 Behavioral Sciences | 1.3.3.6 Theory and application of orthotic, protective | Frequency | 454 | 55 | 161 | 138 | 92 | 8 | 12.1% | 35.5% | 30.4% | 20.3% | 1.8% | |
| | | Importance | 442 | 83 | 250 | 102 | 7 | | 18.8% | 56.6% | 23.1% | 1.6% | | |
| | | Level of Judgment | 425 | 91 | 243 | 77 | 14 | | 21.4% | 57.2% | 18.1% | 3.3% | | |

| | | | | Frequency | | | | | Percentage | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | # Responses | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never |
| 1.2 Clinical Sciences | 1.2.2.3 Ancillary tests (e.g., lab studies, EKG, electrop | Frequency | 534 | 67 | 193 | 167 | 85 | 22 | 12.5% | 36.1% | 31.3% | 15.9% | 4.1% |
| | | Importance | 516 | 72 | 314 | 120 | 10 | | 14.0% | 60.9% | 23.3% | 1.9% | |
| | | Level of Judgment | 496 | 91 | 186 | 200 | 19 | | 18.3% | 37.5% | 40.3% | 3.8% | |
| 1.2 Clinical Sciences | 1.2.2.6 Developments in genetics/regenerative med | Frequency | 534 | 17 | 71 | 153 | 198 | 95 | 3.2% | 13.3% | 28.7% | 37.1% | 17.8% |
| | | Importance | 514 | 33 | 226 | 207 | 48 | | 6.4% | 44.0% | 40.3% | 9.3% | |
| | | Level of Judgment | 496 | 37 | 115 | 240 | 104 | | 7.5% | 23.2% | 48.4% | 21.0% | |

**Part 2. Professional Behavior and Part 3. Examination**

| | | | | Frequency | | | | | Percentage | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | # Responses | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never |
| 3.6 Re-assessment / re-evaluation | 3.6.1 Assessing intervention response. | Frequency | 227 | 211 | 10 | 5 | | 1 | 93.0% | 4.4% | 2.2% | | 0.4% |
| | | Importance | 221 | 209 | 10 | 1 | 1 | | 94.6% | 4.5% | 0.5% | 0.5% | |
| | | Level of Mastery | 218 | 113 | 54 | 35 | 16 | | 51.8% | 24.8% | 16.1% | 7.3% | |
| 3.1.3 Planning a Physical Exam | 3.1.3.1 Includes examination techniques with a high | Frequency | 276 | 250 | 25 | 1 | | | 90.6% | 9.1% | 0.4% | | |
| | | Importance | 267 | 236 | 30 | 1 | | | 88.4% | 11.2% | 0.4% | | |
| | | Level of Mastery | 260 | 148 | 82 | 20 | 10 | | 56.9% | 31.5% | 7.7% | 3.8% | |
| 3.1.2 Interpreting Data from History | 3.1.2.1 Developing a working hypothesis of the phys | Frequency | 274 | 243 | 28 | 3 | | | 88.7% | 10.2% | 1.1% | | |
| | | Importance | 266 | 242 | 22 | 2 | | | 91.0% | 8.3% | 0.8% | | |
| | | Level of Mastery | 260 | 138 | 79 | 29 | 14 | | 53.1% | 30.4% | 11.2% | 5.4% | |
| 3.2 Evaluation | 3.2.2 Developing a working diagnosis, including natu | Frequency | 241 | 208 | 26 | 7 | | | 86.3% | 10.8% | 2.9% | | |
| | | Importance | 235 | 209 | 24 | 2 | | | 88.9% | 10.2% | 0.9% | | |
| | | Level of Mastery | 231 | 131 | 69 | 24 | 7 | | 56.7% | 29.9% | 10.4% | 3.0% | |
| 3.1.2 Interpreting Data from History | 3.1.2.2 Assessing "red flags" and determining need t | Frequency | 277 | 235 | 34 | 8 | | | 84.8% | 12.3% | 2.9% | | |
| | | Importance | 268 | 255 | 12 | 1 | | | 95.1% | 4.5% | 0.4% | | |
| | | Level of Mastery | 261 | 133 | 70 | 36 | 22 | | 51.0% | 26.8% | 13.8% | 8.4% | |
| 3.6 Re-assessment / re-evaluation | 3.6.2 Analyzing significance of changes. | Frequency | 227 | 197 | 22 | 6 | 2 | | 86.8% | 9.7% | 2.6% | 0.9% | |
| | | Importance | 221 | 196 | 24 | 1 | | | 88.7% | 10.9% | 0.5% | | |
| | | Level of Mastery | 218 | 111 | 63 | 32 | 12 | | 50.9% | 28.9% | 14.7% | 5.5% | |
| 3.1.3 Planning a Physical Exam | 3.1.3.4 Prioritizes areas, movements, and functional | Frequency | 275 | 249 | 25 | 1 | | | 90.5% | 9.1% | 0.4% | | |
| | | Importance | 267 | 219 | 46 | 2 | | | 82.0% | 17.2% | 0.7% | | |
| | | Level of Mastery | 258 | 136 | 82 | 30 | 10 | | 52.7% | 31.8% | 11.6% | 3.9% | |
| 3.1.3 Planning a Physical Exam | 3.1.3.3 Considers the nature, severity, and irritability | Frequency | 275 | 254 | 19 | 2 | | | 92.4% | 6.9% | 0.7% | | |
| | | Importance | 267 | 223 | 43 | 1 | | | 83.5% | 16.1% | 0.4% | | |
| | | Level of Mastery | 260 | 126 | 85 | 30 | 19 | | 48.5% | 32.7% | 11.5% | 7.3% | |
| 3.1.1 History | 3.1.1.2.3 Symptom irritability (onset, offset, and ove | Frequency | 325 | 294 | 29 | 1 | | 1 | 90.5% | 8.9% | 0.3% | | 0.3% |
| | | Importance | 315 | 268 | 45 | 1 | 1 | | 85.1% | 14.3% | 0.3% | 0.3% | |
| | | Level of Mastery | 309 | 148 | 86 | 42 | 33 | | 47.9% | 27.8% | 13.6% | 10.7% | |
| 3.1.3 Planning a Physical Exam | 3.1.3.2 Is comprehensive but has the focus and deta | Frequency | 274 | 238 | 34 | 2 | | | 86.9% | 12.4% | 0.7% | | |
| | | Importance | 266 | 220 | 42 | 4 | | | 82.7% | 15.8% | 1.5% | | |
| | | Level of Mastery | 258 | 135 | 93 | 21 | 9 | | 52.3% | 36.0% | 8.1% | 3.5% | |
| 2.3 Communication | 2.3.1 Empowering patients with orthopaedic spine c | Frequency | 381 | 326 | 45 | 9 | 1 | | 85.6% | 11.8% | 2.4% | 0.3% | |
| | | Importance | 371 | 343 | 25 | 3 | | | 92.5% | 6.7% | 0.8% | | |
| | | Level of Mastery | 359 | 157 | 136 | 43 | 23 | | 43.7% | 37.9% | 12.0% | 6.4% | |
| 3.6 Re-assessment / re-evaluation | 3.6.3 Assessing change. | Frequency | 227 | 199 | 25 | 3 | | | 87.7% | 11.0% | 1.3% | | |
| | | Importance | 222 | 194 | 27 | 1 | | | 87.4% | 12.2% | 0.5% | | |
| | | Level of Mastery | 219 | 102 | 64 | 39 | 14 | | 46.6% | 29.2% | 17.8% | 6.4% | |
| 3.1.1 History | 3.1.1.2.2 Quality and behavior of symptoms. | Frequency | 325 | 299 | 20 | 5 | 1 | | 92.0% | 6.2% | 1.5% | 0.3% | |
| | | Importance | 315 | 258 | 53 | 4 | | | 81.9% | 16.8% | 1.3% | | |
| | | Level of Mastery | 309 | 138 | 105 | 42 | 24 | | 44.7% | 34.0% | 13.6% | 7.8% | |
| 3.1.1 History | 3.1.1.2.4 Onset of condition (e.g., mechanism of inju | Frequency | 324 | 281 | 39 | 3 | 1 | | 86.7% | 12.0% | 0.9% | 0.3% | |
| | | Importance | 316 | 265 | 48 | 3 | | | 83.9% | 15.2% | 0.9% | | |
| | | Level of Mastery | 308 | 144 | 82 | 43 | 39 | | 46.8% | 26.6% | 14.0% | 12.7% | |
| 3.1.1 History | 3.1.1.2.1 Recognition of contributions from multiple | Frequency | 326 | 271 | 47 | 6 | 1 | 1 | 83.1% | 14.4% | 1.8% | 0.3% | 0.3% |
| | | Importance | 317 | 262 | 51 | 4 | | | 82.6% | 16.1% | 1.3% | | |
| | | Level of Mastery | 310 | 150 | 111 | 31 | 18 | | 48.4% | 35.8% | 10.0% | 5.8% | |
| 2.6 Critical Inquiry and Evidence-Based Practice | 2.6.1 Applying principles of evidence-based practice | Frequency | 362 | 302 | 44 | 11 | 2 | 3 | 83.4% | 12.2% | 3.0% | 0.6% | 0.8% |
| | | Importance | 352 | 288 | 57 | 4 | 3 | | 81.8% | 16.2% | 1.1% | 0.9% | |
| | | Level of Mastery | 342 | 162 | 116 | 35 | 29 | | 47.4% | 33.9% | 10.2% | 8.5% | |
| 3.1.2 Interpreting Data from History | 3.1.2.3 Identifying chief and secondary problems. | Frequency | 277 | 236 | 39 | 2 | | | 85.2% | 14.1% | 0.7% | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Importance | 269 | 218 | 50 | 1 | | | 81.0% | 18.6% | 0.4% | | | |
| | | Level of Mastery | 262 | 119 | 91 | 42 | 10 | | 45.4% | 34.7% | 16.0% | 3.8% | | |
| 3.5 Intervention | 3.5.4.1 Concerning diagnosis, prognosis, treatment, i | Frequency | 233 | 192 | 32 | 8 | 1 | | 82.4% | 13.7% | 3.4% | 0.4% | | |
| | | Importance | 227 | 183 | 42 | 2 | | | 80.6% | 18.5% | 0.9% | | | |
| | | Level of Mastery | 224 | 104 | 76 | 34 | 10 | | 46.4% | 33.9% | 15.2% | 4.5% | | |
| 3.1.5 Test and Measures | 3.1.5.14 Joint integrity (i.e., mobility assessment of j | Frequency | 261 | 217 | 38 | 5 | 1 | | 83.1% | 14.6% | 1.9% | 0.4% | | |
| | | Importance | 253 | 196 | 53 | 3 | 1 | | 77.5% | 20.9% | 1.2% | 0.4% | | |
| | | Level of Mastery | 244 | 114 | 88 | 26 | 16 | | 46.7% | 36.1% | 10.7% | 6.6% | | |
| 3.5 Intervention | 3.5.27 Muscle performance exercises (e.g., strength, | Frequency | 230 | 197 | 30 | 3 | | | 85.7% | 13.0% | 1.3% | | | |
| | | Importance | 224 | 178 | 44 | 2 | | | 79.5% | 19.6% | 0.9% | | | |
| | | Level of Mastery | 220 | 92 | 69 | 39 | 20 | | 41.8% | 31.4% | 17.7% | 9.1% | | |
| 3.1.1 History | 3.1.1.2.7 Goals of the patient, family, and caregiver. | Frequency | 326 | 265 | 47 | 12 | 2 | | 81.3% | 14.4% | 3.7% | 0.6% | | |
| | | Importance | 317 | 260 | 54 | 3 | | | 82.0% | 17.0% | 0.9% | | | |
| | | Level of Mastery | 311 | 129 | 82 | 52 | 48 | | 41.5% | 26.4% | 16.7% | 15.4% | | |
| 3.1.5 Test and Measures | 3.1.5.5 Pain. | Frequency | 266 | 248 | 18 | | | | 93.2% | 6.8% | | | | |
| | | Importance | 258 | 174 | 75 | 8 | 1 | | 67.4% | 29.1% | 3.1% | 0.4% | | |
| | | Level of Mastery | 251 | 105 | 80 | 36 | 30 | | 41.8% | 31.9% | 14.3% | 12.0% | | |
| 3.5 Intervention | 3.5.4.11 Graded activity/exercise. | Frequency | 232 | 177 | 48 | 3 | 2 | 2 | 76.3% | 20.7% | 1.3% | 0.9% | 0.9% | |
| | | Importance | 226 | 177 | 47 | 2 | | | 78.3% | 20.8% | 0.9% | | | |
| | | Level of Mastery | 223 | 106 | 77 | 32 | 8 | | 47.5% | 34.5% | 14.3% | 3.6% | | |
| 2.1 Professional Behavior | 2.1.2 Using patient-centered ethics and values in cor | Frequency | 407 | 315 | 70 | 15 | 5 | 2 | 77.4% | 17.2% | 3.7% | 1.2% | 0.5% | |
| | | Importance | 396 | 322 | 67 | 6 | 1 | | 81.3% | 16.9% | 1.5% | 0.3% | | |
| | | Level of Mastery | 382 | 161 | 137 | 61 | 23 | | 42.1% | 35.9% | 16.0% | 6.0% | | |
| 3.1.1 History | 3.1.1.4.1 Physical function. | Frequency | 319 | 269 | 45 | 4 | 1 | | 84.3% | 14.1% | 1.3% | 0.3% | | |
| | | Importance | 309 | 239 | 68 | 2 | | | 77.3% | 22.0% | 0.6% | | | |
| | | Level of Mastery | 302 | 118 | 86 | 53 | 45 | | 39.1% | 28.5% | 17.5% | 14.9% | | |
| 3.4 Prognosis | 3.4.1 Accounting for the complexity of the patient/cl | Frequency | 241 | 182 | 50 | 7 | 1 | 1 | 75.5% | 20.7% | 2.9% | 0.4% | 0.4% | |
| | | Importance | 235 | 172 | 58 | 4 | 1 | | 73.2% | 24.7% | 1.7% | 0.4% | | |
| | | Level of Mastery | 231 | 117 | 87 | 23 | 4 | | 50.6% | 37.7% | 10.0% | 1.7% | | |
| 3.3. Diagnosis | 3.3.1 Organizing examination findings into clusters, s | Frequency | 241 | 174 | 52 | 10 | 2 | 3 | 72.2% | 21.6% | 4.1% | 0.8% | 1.2% | |
| | | Importance | 234 | 175 | 52 | 4 | 3 | | 74.8% | 22.2% | 1.7% | 1.3% | | |
| | | Level of Mastery | 229 | 111 | 86 | 24 | 8 | | 48.5% | 37.6% | 10.5% | 3.5% | | |
| 3.5 Intervention | 3.5.2 Education/training of functional activities. | Frequency | 234 | 185 | 46 | 2 | 1 | | 79.1% | 19.7% | 0.9% | 0.4% | | |
| | | Importance | 228 | 166 | 56 | 6 | | | 72.8% | 24.6% | 2.6% | | | |
| | | Level of Mastery | 225 | 94 | 70 | 38 | 23 | | 41.8% | 31.1% | 16.9% | 10.2% | | |
| 3.1.1 History | 3.1.1.3 Obtaining data regarding functional status ar | Frequency | 317 | 256 | 52 | 7 | 2 | | 80.8% | 16.4% | 2.2% | 0.6% | | |
| | | Importance | 308 | 232 | 74 | 2 | | | 75.3% | 24.0% | 0.6% | | | |
| | | Level of Mastery | 301 | 112 | 86 | 59 | 44 | | 37.2% | 28.6% | 19.6% | 14.6% | | |
| 3.1.5 Test and Measures | 3.1.5.17 Muscle performance (e.g., strength, power, | Frequency | 251 | 204 | 42 | 4 | 1 | | 81.3% | 16.7% | 1.6% | 0.4% | | |
| | | Importance | 243 | 177 | 64 | 2 | | | 72.8% | 26.3% | 0.8% | | | |
| | | Level of Mastery | 237 | 88 | 82 | 39 | 28 | | 37.1% | 34.6% | 16.5% | 11.8% | | |
| 3.6 Re-assessment / re-evaluation | 3.6.4 Re-examining/implementing a modified plan of | Frequency | 228 | 137 | 63 | 28 | | | 60.1% | 27.6% | 12.3% | | | |
| | | Importance | 222 | 184 | 37 | 1 | | | 82.9% | 16.7% | 0.5% | | | |
| | | Level of Mastery | 219 | 104 | 76 | 30 | 9 | | 47.5% | 34.7% | 13.7% | 4.1% | | |
| 3.5 Intervention | 3.5.14 Non-thrust mobilization/manipulation. | Frequency | 232 | 171 | 50 | 7 | 4 | | 73.7% | 21.6% | 3.0% | 1.7% | | |
| | | Importance | 225 | 157 | 64 | 4 | | | 69.8% | 28.4% | 1.8% | | | |
| | | Level of Mastery | 221 | 100 | 91 | 21 | 9 | | 45.2% | 41.2% | 9.5% | 4.1% | | |
| 3.1.5 Test and Measures | 3.1.5.23 Task-specific activities (e.g., lifting, bending, | Frequency | 253 | 200 | 47 | 6 | | | 79.1% | 18.6% | 2.4% | | | |
| | | Importance | 246 | 171 | 74 | | | 1 | 69.5% | 30.1% | | | 0.4% | |
| | | Level of Mastery | 238 | 95 | 77 | 41 | 25 | | 39.9% | 32.4% | 17.2% | 10.5% | | |
| 3.1.1 History | 3.1.1.2.5 Current and previous therapeutic intervent | Frequency | 326 | 261 | 54 | 11 | | | 80.1% | 16.6% | 3.4% | | | |
| | | Importance | 316 | 201 | 109 | 6 | | | 63.6% | 34.5% | 1.9% | | | |
| | | Level of Mastery | 309 | 133 | 91 | 45 | 40 | | 43.0% | 29.4% | 14.6% | 12.9% | | |
| 3.1.5 Test and Measures | 3.1.5.2 Gait, locomotion, and balance. | Frequency | 265 | 210 | 49 | 3 | 3 | | 79.2% | 18.5% | 1.1% | 1.1% | | |
| | | Importance | 257 | 177 | 74 | 5 | 1 | | 68.9% | 28.8% | 1.9% | 0.4% | | |
| | | Level of Mastery | 250 | 92 | 84 | 48 | 26 | | 36.8% | 33.6% | 19.2% | 10.4% | | |
| 3.5 Intervention | 3.5.4.3 Addressing pain physiology and dose respons | Frequency | 233 | 176 | 46 | 10 | 1 | | 75.5% | 19.7% | 4.3% | 0.4% | | |
| | | Importance | 228 | 156 | 65 | 7 | | | 68.4% | 28.5% | 3.1% | | | |
| | | Level of Mastery | 225 | 89 | 88 | 40 | 8 | | 39.6% | 39.1% | 17.8% | 3.6% | | |
| 3.1.5 Test and Measures | 3.1.5.22 Soft tissue quality (e.g., mobility, provocatic | Frequency | 251 | 200 | 39 | 9 | 3 | | 79.7% | 15.5% | 3.6% | 1.2% | | |
| | | Importance | 244 | 142 | 91 | 10 | 1 | | 58.2% | 37.3% | 4.1% | 0.4% | | |
| | | Level of Mastery | 237 | 95 | 76 | 47 | 19 | | 40.1% | 32.1% | 19.8% | 8.0% | | |
| 3.1.1 History | 3.1.1.2.6 Readiness for change. | Frequency | 326 | 242 | 58 | 22 | 4 | | 74.2% | 17.8% | 6.7% | 1.2% | | |
| | | Importance | 317 | 215 | 96 | 6 | | | 67.8% | 30.3% | 1.9% | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Level of Mastery | 310 | 110 | 116 | 62 | 22 | | 35.5% | 37.4% | 20.0% | 7.1% | | |
| 3.1.1 History | 3.1.1.4.2 Psychosocial factors (e.g., anxiety, depressi | Frequency | 318 | 227 | 77 | 12 | 2 | | 71.4% | 24.2% | 3.8% | 0.6% | | |
| | | Importance | 308 | 226 | 78 | 3 | 1 | | 73.4% | 25.3% | 1.0% | 0.3% | | |
| | | Level of Mastery | 300 | 98 | 119 | 64 | 19 | | 32.7% | 39.7% | 21.3% | 6.3% | | |
| 3.1.1 History | 3.1.1.1.2 Activity requirements/occupational deman | Frequency | 331 | 242 | 59 | 19 | 9 | 2 | 73.1% | 17.8% | 5.7% | 2.7% | 0.6% | |
| | | Importance | 321 | 228 | 81 | 11 | 1 | | 71.0% | 25.2% | 3.4% | 0.3% | | |
| | | Level of Mastery | 312 | 103 | 105 | 60 | 44 | | 33.0% | 33.7% | 19.2% | 14.1% | | |
| 3.1.1 History | 3.1.1.6 Obtaining medical/surgical history data. | Frequency | 298 | 215 | 67 | 11 | 5 | | 72.1% | 22.5% | 3.7% | 1.7% | | |
| | | Importance | 286 | 189 | 95 | 2 | | | 66.1% | 33.2% | 0.7% | | | |
| | | Level of Mastery | 281 | 89 | 87 | 61 | 44 | | 31.7% | 31.0% | 21.7% | 15.7% | | |
| 3.1.5 Test and Measures | 3.1.5.12 Motor control and coordination (e.g., assess | Frequency | 261 | 177 | 53 | 16 | 12 | 3 | 67.8% | 20.3% | 6.1% | 4.6% | 1.1% | |
| | | Importance | 252 | 155 | 80 | 17 | | | 61.5% | 31.7% | 6.7% | | | |
| | | Level of Mastery | 244 | 93 | 102 | 42 | 7 | | 38.1% | 41.8% | 17.2% | 2.9% | | |
| 3.1.4 Systems Review | 3.1.4.1 Performing systems review to identify the im | Frequency | 266 | 182 | 67 | 13 | 4 | | 68.4% | 25.2% | 4.9% | 1.5% | | |
| | | Importance | 258 | 168 | 83 | 7 | | | 65.1% | 32.2% | 2.7% | | | |
| | | Level of Mastery | 251 | 82 | 93 | 57 | 19 | | 32.7% | 37.1% | 22.7% | 7.6% | | |
| 3.5 Intervention | 3.5.16 Soft tissue mobilization (e.g., connective tissu | Frequency | 231 | 156 | 53 | 15 | 4 | 3 | 67.5% | 22.9% | 6.5% | 1.7% | 1.3% | |
| | | Importance | 226 | 130 | 76 | 18 | 2 | | 57.5% | 33.6% | 8.0% | 0.9% | | |
| | | Level of Mastery | 222 | 91 | 84 | 31 | 16 | | 41.0% | 37.8% | 14.0% | 7.2% | | |
| 3.5 Intervention | 3.5.3 Education/training of activities of daily living (e | Frequency | 235 | 159 | 64 | 8 | 4 | | 67.7% | 27.2% | 3.4% | 1.7% | | |
| | | Importance | 229 | 141 | 76 | 11 | 1 | | 61.6% | 33.2% | 4.8% | 0.4% | | |
| | | Level of Mastery | 225 | 80 | 71 | 52 | 22 | | 35.6% | 31.6% | 23.1% | 9.8% | | |
| 3.1.5 Test and Measures | 3.1.5.19 Posture (e.g., assessment of body or body s | Frequency | 253 | 187 | 55 | 7 | 4 | | 73.9% | 21.7% | 2.8% | 1.6% | | |
| | | Importance | 246 | 130 | 91 | 25 | | | 52.8% | 37.0% | 10.2% | | | |
| | | Level of Mastery | 239 | 90 | 70 | 50 | 29 | | 37.7% | 29.3% | 20.9% | 12.1% | | |
| 3.5 Intervention | 3.5.4.20 Directional preference exercises/activities. | Frequency | 230 | 136 | 71 | 20 | 2 | 1 | 59.1% | 30.9% | 8.7% | 0.9% | 0.4% | |
| | | Importance | 224 | 139 | 76 | 9 | | | 62.1% | 33.9% | 4.0% | | | |
| | | Level of Mastery | 221 | 95 | 64 | 51 | 11 | | 43.0% | 29.0% | 23.1% | 5.0% | | |
| 3.5 Intervention | 3.5.5 Injury prevention and wellness promotion (e.g. | Frequency | 231 | 145 | 67 | 14 | 5 | | 62.8% | 29.0% | 6.1% | 2.2% | | |
| | | Importance | 225 | 143 | 78 | 4 | | | 63.6% | 34.7% | 1.8% | | | |
| | | Level of Mastery | 222 | 83 | 86 | 42 | 11 | | 37.4% | 38.7% | 18.9% | 5.0% | | |
| 2.2 Leadership | 2.2.4 Acting as an expert resource for peers in the cli | Frequency | 397 | 125 | 117 | 96 | 54 | 5 | 31.5% | 29.5% | 24.2% | 13.6% | 1.3% | |
| | | Importance | 387 | 251 | 117 | 16 | 3 | | 64.9% | 30.2% | 4.1% | 0.8% | | |
| | | Level of Mastery | 373 | 245 | 93 | 29 | 6 | | 65.7% | 24.9% | 7.8% | 1.6% | | |
| 3.5 Intervention | 3.5.8 Pain neuroscience education. | Frequency | 231 | 134 | 66 | 23 | 8 | | 58.0% | 28.6% | 10.0% | 3.5% | | |
| | | Importance | 225 | 146 | 69 | 10 | | | 64.9% | 30.7% | 4.4% | | | |
| | | Level of Mastery | 223 | 87 | 97 | 33 | 6 | | 39.0% | 43.5% | 14.8% | 2.7% | | |
| 3.1.1 History | 3.1.1.1.1 Current and prior work. | Frequency | 331 | 234 | 62 | 18 | 14 | 3 | 70.7% | 18.7% | 5.4% | 4.2% | 0.9% | |
| | | Importance | 321 | 191 | 112 | 17 | 1 | | 59.5% | 34.9% | 5.3% | 0.3% | | |
| | | Level of Mastery | 311 | 98 | 110 | 56 | 47 | | 31.5% | 35.4% | 18.0% | 15.1% | | |
| 3.1.5 Test and Measures | 3.1.5.21 Flexibility (e.g., length, stiffness). | Frequency | 253 | 189 | 49 | 14 | 1 | | 74.7% | 19.4% | 5.5% | 0.4% | | |
| | | Importance | 246 | 125 | 103 | 18 | | | 50.8% | 41.9% | 7.3% | | | |
| | | Level of Mastery | 239 | 80 | 80 | 48 | 31 | | 33.5% | 33.5% | 20.1% | 13.0% | | |
| 3.5 Intervention | 3.5.26 Motor coordination. | Frequency | 229 | 151 | 57 | 15 | 5 | 1 | 65.9% | 24.9% | 6.6% | 2.2% | 0.4% | |
| | | Importance | 222 | 134 | 80 | 8 | | | 60.4% | 36.0% | 3.6% | | | |
| | | Level of Mastery | 219 | 70 | 97 | 37 | 15 | | 32.0% | 44.3% | 16.9% | 6.8% | | |
| 3.5 Intervention | 3.5.15 Thrust mobilization/manipulation. | Frequency | 232 | 99 | 79 | 26 | 22 | 6 | 42.7% | 34.1% | 11.2% | 9.5% | 2.6% | |
| | | Importance | 226 | 129 | 80 | 14 | 3 | | 57.1% | 35.4% | 6.2% | 1.3% | | |
| | | Level of Mastery | 222 | 128 | 65 | 23 | 6 | | 57.7% | 29.3% | 10.4% | 2.7% | | |
| 3.1.5 Test and Measures | 3.1.5.1 Ergonomics and body mechanics. | Frequency | 266 | 173 | 73 | 16 | 4 | | 65.0% | 27.4% | 6.0% | 1.5% | | |
| | | Importance | 258 | 142 | 99 | 17 | | | 55.0% | 38.4% | 6.6% | | | |
| | | Level of Mastery | 250 | 88 | 80 | 59 | 23 | | 35.2% | 32.0% | 23.6% | 9.2% | | |
| 3.5 Intervention | 3.5.4.2 Using the biopsychosocial/biomedical model | Frequency | 233 | 147 | 54 | 22 | 6 | 4 | 63.1% | 23.2% | 9.4% | 2.6% | 1.7% | |
| | | Importance | 227 | 126 | 80 | 19 | 2 | | 55.5% | 35.2% | 8.4% | 0.9% | | |
| | | Level of Mastery | 224 | 81 | 87 | 45 | 11 | | 36.2% | 38.8% | 20.1% | 4.9% | | |
| 2.2 Leadership | 2.2.3 Modeling and facilitating the translation of evi | Frequency | 397 | 183 | 103 | 72 | 35 | 4 | 46.1% | 25.9% | 18.1% | 8.8% | 1.0% | |
| | | Importance | 386 | 257 | 112 | 16 | 1 | | 66.6% | 29.0% | 4.1% | 0.3% | | |
| | | Level of Mastery | 373 | 152 | 157 | 56 | 8 | | 40.8% | 42.1% | 15.0% | 2.1% | | |
| 3.1.5 Test and Measures | 3.1.5.20 Tissue-specific diagnostic tests (i.e., special | Frequency | 252 | 165 | 66 | 16 | 4 | 1 | 65.5% | 26.2% | 6.3% | 1.6% | 0.4% | |
| | | Importance | 245 | 124 | 95 | 23 | 3 | | 50.6% | 38.8% | 9.4% | 1.2% | | |
| | | Level of Mastery | 238 | 88 | 94 | 40 | 16 | | 37.0% | 39.5% | 16.8% | 6.7% | | |
| 3.6 Re-assessment / re-evaluation | 3.6.5 Confirming/modifying goals. | Frequency | 228 | 114 | 72 | 40 | 2 | | 50.0% | 31.6% | 17.5% | 0.9% | | |
| | | Importance | 221 | 146 | 68 | 7 | | | 66.1% | 30.8% | 3.2% | | | |
| | | Level of Mastery | 219 | 81 | 77 | 43 | 18 | | 37.0% | 35.2% | 19.6% | 8.2% | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3.7 Outcomes Assessment | 3.7.2 Assessing patient satisfaction. | Frequency | 225 | 128 | 61 | 26 | 10 | | 56.9% | 27.1% | 11.6% | 4.4% | | |
| | | Importance | 219 | 144 | 65 | 9 | 1 | | 65.8% | 29.7% | 4.1% | 0.5% | | |
| | | Level of Mastery | 216 | 61 | 69 | 61 | 25 | | 28.2% | 31.9% | 28.2% | 11.6% | | |
| 3.5 Intervention | 3.5.4.4 Addressing prevention and wellness. | Frequency | 234 | 134 | 68 | 26 | 6 | | 57.3% | 29.1% | 11.1% | 2.6% | | |
| | | Importance | 228 | 133 | 86 | 9 | | | 58.3% | 37.7% | 3.9% | | | |
| | | Level of Mastery | 224 | 76 | 79 | 56 | 13 | | 33.9% | 35.3% | 25.0% | 5.8% | | |
| 3.1.5 Test and Measures | 3.1.5.9 Neurodynamics. | Frequency | 259 | 138 | 96 | 21 | 3 | 1 | 53.3% | 37.1% | 8.1% | 1.2% | 0.4% | |
| | | Importance | 251 | 152 | 90 | 9 | | | 60.6% | 35.9% | 3.6% | | | |
| | | Level of Mastery | 244 | 83 | 111 | 39 | 11 | | 34.0% | 45.5% | 16.0% | 4.5% | | |
| 3.1.5 Test and Measures | 3.1.5.11 Reflex integrity (e.g., assessment of normal | Frequency | 260 | 138 | 89 | 21 | 11 | 1 | 53.1% | 34.2% | 8.1% | 4.2% | 0.4% | |
| | | Importance | 252 | 151 | 86 | 15 | | | 59.9% | 34.1% | 6.0% | | | |
| | | Level of Mastery | 245 | 85 | 77 | 56 | 27 | | 34.7% | 31.4% | 22.9% | 11.0% | | |
| 2.4 Advocacy | 2.4.1 Promoting the orthopaedic spine physical ther | Frequency | 381 | 151 | 103 | 70 | 44 | 13 | 39.6% | 27.0% | 18.4% | 11.5% | 3.4% | |
| | | Importance | 371 | 240 | 114 | 12 | 5 | | 64.7% | 30.7% | 3.2% | 1.3% | | |
| | | Level of Mastery | 357 | 150 | 131 | 51 | 25 | | 42.0% | 36.7% | 14.3% | 7.0% | | |
| 3.1.1 History | 3.1.1.5 Obtaining data regarding social/health habits | Frequency | 298 | 190 | 86 | 16 | 4 | 2 | 63.8% | 28.9% | 5.4% | 1.3% | 0.7% | |
| | | Importance | 288 | 163 | 117 | 7 | 1 | | 56.6% | 40.6% | 2.4% | 0.3% | | |
| | | Level of Mastery | 280 | 72 | 98 | 73 | 37 | | 25.7% | 35.0% | 26.1% | 13.2% | | |
| 3.2 Evaluation | 3.2.4 Referring patient/client to other health care pr | Frequency | 241 | 65 | 82 | 75 | 19 | | 27.0% | 34.0% | 31.1% | 7.9% | | |
| | | Importance | 235 | 176 | 55 | 4 | | | 74.9% | 23.4% | 1.7% | | | |
| | | Level of Mastery | 229 | 95 | 88 | 36 | 10 | | 41.5% | 38.4% | 15.7% | 4.4% | | |
| 3.1.5 Test and Measures | 3.1.5.10 Sensory integrity (e.g., assessment of super | Frequency | 261 | 136 | 88 | 25 | 9 | 3 | 52.1% | 33.7% | 9.6% | 3.4% | 1.1% | |
| | | Importance | 252 | 146 | 94 | 10 | 2 | | 57.9% | 37.3% | 4.0% | 0.8% | | |
| | | Level of Mastery | 245 | 81 | 89 | 56 | 19 | | 33.1% | 36.3% | 22.9% | 7.8% | | |
| 3.1.5 Test and Measures | 3.1.5.3 Work (job/school/play), community and leisu | Frequency | 267 | 154 | 83 | 22 | 8 | | 57.7% | 31.1% | 8.2% | 3.0% | | |
| | | Importance | 258 | 145 | 101 | 12 | | | 56.2% | 39.1% | 4.7% | | | |
| | | Level of Mastery | 251 | 70 | 96 | 62 | 23 | | 27.9% | 38.2% | 24.7% | 9.2% | | |
| 3.5 Intervention | 3.5.9 Graded exposure. | Frequency | 230 | 105 | 85 | 24 | 13 | 3 | 45.7% | 37.0% | 10.4% | 5.7% | 1.3% | |
| | | Importance | 224 | 134 | 77 | 12 | 1 | | 59.8% | 34.4% | 5.4% | 0.4% | | |
| | | Level of Mastery | 221 | 78 | 99 | 38 | 6 | | 35.3% | 44.8% | 17.2% | 2.7% | | |
| 3.7 Outcomes Assessment | 3.7.4 Assessing improvement of patientâ€™s/clientâ | Frequency | 224 | 106 | 79 | 36 | 2 | 1 | 47.3% | 35.3% | 16.1% | 0.9% | 0.4% | |
| | | Importance | 218 | 125 | 82 | 10 | 1 | | 57.3% | 37.6% | 4.6% | 0.5% | | |
| | | Level of Mastery | 213 | 72 | 75 | 53 | 13 | | 33.8% | 35.2% | 24.9% | 6.1% | | |
| 3.5 Intervention | 3.5.1 Ergonomics (influences of environment and oc | Frequency | 235 | 138 | 64 | 25 | 8 | | 58.7% | 27.2% | 10.6% | 3.4% | | |
| | | Importance | 228 | 110 | 100 | 18 | | | 48.2% | 43.9% | 7.9% | | | |
| | | Level of Mastery | 225 | 69 | 84 | 58 | 14 | | 30.7% | 37.3% | 25.8% | 6.2% | | |
| 3.7 Outcomes Assessment | 3.7.5 Using applicable, evidence-based outcomes me | Frequency | 223 | 115 | 53 | 50 | 5 | | 51.6% | 23.8% | 22.4% | 2.2% | | |
| | | Importance | 217 | 114 | 87 | 16 | | | 52.5% | 40.1% | 7.4% | | | |
| | | Level of Mastery | 214 | 63 | 68 | 48 | 35 | | 29.4% | 31.8% | 22.4% | 16.4% | | |
| 3.7 Outcomes Assessment | 3.7.1 Assessing remediation of activity and participat | Frequency | 223 | 105 | 95 | 21 | 2 | | 47.1% | 42.6% | 9.4% | 0.9% | | |
| | | Importance | 217 | 121 | 90 | 5 | 1 | | 55.8% | 41.5% | 2.3% | 0.5% | | |
| | | Level of Mastery | 213 | 65 | 95 | 43 | 10 | | 30.5% | 44.6% | 20.2% | 4.7% | | |
| 3.1.1 History | 3.1.1.1.3 Ergonomic considerations. | Frequency | 331 | 181 | 105 | 31 | 14 | | 54.7% | 31.7% | 9.4% | 4.2% | | |
| | | Importance | 321 | 166 | 128 | 27 | | | 51.7% | 39.9% | 8.4% | | | |
| | | Level of Mastery | 312 | 84 | 104 | 93 | 31 | | 26.9% | 33.3% | 29.8% | 9.9% | | |
| 3.5 Intervention | 3.5.17 Mobilization with movement. | Frequency | 230 | 111 | 88 | 24 | 5 | 2 | 48.3% | 38.3% | 10.4% | 2.2% | 0.9% | |
| | | Importance | 224 | 112 | 93 | 18 | 1 | | 50.0% | 41.5% | 8.0% | 0.4% | | |
| | | Level of Mastery | 221 | 77 | 103 | 32 | 9 | | 34.8% | 46.6% | 14.5% | 4.1% | | |
| 2.5 Education | 2.5.1 Contributing to the professional development | Frequency | 366 | 69 | 105 | 127 | 58 | 7 | 18.9% | 28.7% | 34.7% | 15.8% | 1.9% | |
| | | Importance | 356 | 228 | 117 | 9 | 2 | | 64.0% | 32.9% | 2.5% | 0.6% | | |
| | | Level of Mastery | 346 | 173 | 135 | 32 | 6 | | 50.0% | 39.0% | 9.2% | 1.7% | | |
| 3.2 Evaluation | 3.2.5 Considering implications of exam findings on a | Frequency | 238 | 125 | 68 | 21 | 13 | 11 | 52.5% | 28.6% | 8.8% | 5.5% | 4.6% | |
| | | Importance | 231 | 114 | 94 | 17 | 6 | | 49.4% | 40.7% | 7.4% | 2.6% | | |
| | | Level of Mastery | 227 | 70 | 93 | 46 | 18 | | 30.8% | 41.0% | 20.3% | 7.9% | | |
| 3.5 Intervention | 3.5.4.13 Neural mobilization (e.g., nerve gliding). | Frequency | 232 | 101 | 90 | 28 | 13 | | 43.5% | 38.8% | 12.1% | 5.6% | | |
| | | Importance | 226 | 120 | 89 | 17 | | | 53.1% | 39.4% | 7.5% | | | |
| | | Level of Mastery | 223 | 80 | 88 | 45 | 10 | | 35.9% | 39.5% | 20.2% | 4.5% | | |
| 3.2 Evaluation | 3.2.1 Using the ICF model | Frequency | 239 | 125 | 52 | 24 | 19 | 19 | 52.3% | 21.8% | 10.0% | 7.9% | 7.9% | |
| | | Importance | 233 | 111 | 72 | 37 | 13 | | 47.6% | 30.9% | 15.9% | 5.6% | | |
| | | Level of Mastery | 228 | 69 | 81 | 48 | 30 | | 30.3% | 35.5% | 21.1% | 13.2% | | |
| 3.1.1 History | 3.1.1.7 Obtaining data regarding medication usage p | Frequency | 298 | 189 | 84 | 22 | 1 | 2 | 63.4% | 28.2% | 7.4% | 0.3% | 0.7% | |
| | | Importance | 288 | 128 | 145 | 14 | 1 | | 44.4% | 50.3% | 4.9% | 0.3% | | |
| | | Level of Mastery | 282 | 62 | 110 | 74 | 36 | | 22.0% | 39.0% | 26.2% | 12.8% | | |
| 3.5 Intervention | 3.5.25 Aerobic capacity and endurance exercises. | Frequency | 230 | 120 | 66 | 28 | 15 | 1 | 52.2% | 28.7% | 12.2% | 6.5% | 0.4% | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Importance | 224 | 105 | 101 | 15 | 3 | | 46.9% | 45.1% | 6.7% | 1.3% | | |
| | | Level of Mastery | 221 | 61 | 83 | 50 | 27 | | 27.6% | 37.6% | 22.6% | 12.2% | | |
| 3.1.1 History | 3.1.1.8 Obtaining data regarding social history (e.g., | Frequency | 298 | 170 | 85 | 32 | 10 | 1 | 57.0% | 28.5% | 10.7% | 3.4% | 0.3% | |
| | | Importance | 289 | 131 | 128 | 29 | 1 | | 45.3% | 44.3% | 10.0% | 0.3% | | |
| | | Level of Mastery | 281 | 63 | 98 | 80 | 40 | | 22.4% | 34.9% | 28.5% | 14.2% | | |
| 3.1.5 Test and Measures | 3.1.5.13 Biopsychosocial functioning (e.g., depressio | Frequency | 261 | 114 | 91 | 39 | 13 | 4 | 43.7% | 34.9% | 14.9% | 5.0% | 1.5% | |
| | | Importance | 252 | 133 | 104 | 14 | 1 | | 52.8% | 41.3% | 5.6% | 0.4% | | |
| | | Level of Mastery | 244 | 67 | 98 | 64 | 15 | | 27.5% | 40.2% | 26.2% | 6.1% | | |
| 3.6 Re-assessment / re-evaluation | 3.6.6 Making referrals to other providers as needed. | Frequency | 228 | 38 | 79 | 79 | 32 | | 16.7% | 34.6% | 34.6% | 14.0% | | |
| | | Importance | 222 | 146 | 73 | 3 | | | 65.8% | 32.9% | 1.4% | | | |
| | | Level of Mastery | 218 | 80 | 81 | 49 | 8 | | 36.7% | 37.2% | 22.5% | 3.7% | | |
| 3.1.5 Test and Measures | 3.1.5.18 Neuromotor development and sensory inte | Frequency | 251 | 114 | 88 | 32 | 15 | 2 | 45.4% | 35.1% | 12.7% | 6.0% | 0.8% | |
| | | Importance | 243 | 110 | 114 | 19 | | | 45.3% | 46.9% | 7.8% | | | |
| | | Level of Mastery | 236 | 64 | 113 | 42 | 17 | | 27.1% | 47.9% | 17.8% | 7.2% | | |
| 3.1.1 History | 3.1.1.10 Obtaining data on living environment and c | Frequency | 298 | 172 | 77 | 31 | 16 | 2 | 57.7% | 25.8% | 10.4% | 5.4% | 0.7% | |
| | | Importance | 288 | 102 | 137 | 49 | | | 35.4% | 47.6% | 17.0% | | | |
| | | Level of Mastery | 281 | 67 | 65 | 92 | 57 | | 23.8% | 23.1% | 32.7% | 20.3% | | |
| 3.1.1 History | 3.1.1.9 Obtaining general demographic information. | Frequency | 298 | 185 | 70 | 28 | 12 | 3 | 62.1% | 23.5% | 9.4% | 4.0% | 1.0% | |
| | | Importance | 288 | 89 | 129 | 64 | 6 | | 30.9% | 44.8% | 22.2% | 2.1% | | |
| | | Level of Mastery | 281 | 60 | 65 | 92 | 64 | | 21.4% | 23.1% | 32.7% | 22.8% | | |
| 2.3 Communication | 2.3.2 Facilitating collaborative and multidisciplinary t | Frequency | 382 | 105 | 164 | 71 | 36 | 6 | 27.5% | 42.9% | 18.6% | 9.4% | 1.6% | |
| | | Importance | 372 | 211 | 140 | 17 | 4 | | 56.7% | 37.6% | 4.6% | 1.1% | | |
| | | Level of Mastery | 360 | 108 | 170 | 70 | 12 | | 30.0% | 47.2% | 19.4% | 3.3% | | |
| 3.1.5 Test and Measures | 3.1.5.15 Community, home, and work barriers. | Frequency | 249 | 108 | 95 | 31 | 14 | 1 | 43.4% | 38.2% | 12.4% | 5.6% | 0.4% | |
| | | Importance | 243 | 105 | 119 | 17 | 2 | | 43.2% | 49.0% | 7.0% | 0.8% | | |
| | | Level of Mastery | 235 | 53 | 85 | 75 | 22 | | 22.6% | 36.2% | 31.9% | 9.4% | | |
| 3.2 Evaluation | 3.2.3 Incorporating data from ancillary testing (e.g., i | Frequency | 241 | 102 | 108 | 25 | 5 | 1 | 42.3% | 44.8% | 10.4% | 2.1% | 0.4% | |
| | | Importance | 235 | 97 | 120 | 17 | 1 | | 41.3% | 51.1% | 7.2% | 0.4% | | |
| | | Level of Mastery | 231 | 56 | 125 | 41 | 9 | | 24.2% | 54.1% | 17.7% | 3.9% | | |
| 2.1 Professional Behavior | 2.1.4 Maintaining state-of-the-art knowledge and sk | Frequency | 407 | 48 | 60 | 192 | 104 | 3 | 11.8% | 14.7% | 47.2% | 25.6% | 0.7% | |
| | | Importance | 397 | 252 | 133 | 9 | 3 | | 63.5% | 33.5% | 2.3% | 0.8% | | |
| | | Level of Mastery | 383 | 123 | 155 | 64 | 41 | | 32.1% | 40.5% | 16.7% | 10.7% | | |
| 3.1.5 Test and Measures | 3.1.5.7 Circulation (e.g., vertebral artery examinatio | Frequency | 261 | 84 | 95 | 57 | 22 | 3 | 32.2% | 36.4% | 21.8% | 8.4% | 1.1% | |
| | | Importance | 253 | 123 | 110 | 20 | | | 48.6% | 43.5% | 7.9% | | | |
| | | Level of Mastery | 246 | 65 | 102 | 61 | 18 | | 26.4% | 41.5% | 24.8% | 7.3% | | |
| 2.1 Professional Behavior | 2.1.1 Consulting with and/or educating peers, collea | Frequency | 408 | 72 | 129 | 124 | 79 | 4 | 17.6% | 31.6% | 30.4% | 19.4% | 1.0% | |
| | | Importance | 397 | 218 | 160 | 18 | 1 | | 54.9% | 40.3% | 4.5% | 0.3% | | |
| | | Level of Mastery | 385 | 132 | 181 | 66 | 6 | | 34.3% | 47.0% | 17.1% | 1.6% | | |
| 3.5 Intervention | 3.5.19 Traction/distraction. | Frequency | 231 | 79 | 90 | 40 | 20 | 2 | 34.2% | 39.0% | 17.3% | 8.7% | 0.9% | |
| | | Importance | 225 | 86 | 100 | 36 | 3 | | 38.2% | 44.4% | 16.0% | 1.3% | | |
| | | Level of Mastery | 221 | 76 | 72 | 53 | 20 | | 34.4% | 32.6% | 24.0% | 9.0% | | |
| 2.5 Education | 2.5.3 Educating the public regarding spine condition | Frequency | 366 | 89 | 49 | 99 | 118 | 11 | 24.3% | 13.4% | 27.0% | 32.2% | 3.0% | |
| | | Importance | 356 | 184 | 143 | 25 | 4 | | 51.7% | 40.2% | 7.0% | 1.1% | | |
| | | Level of Mastery | 346 | 105 | 132 | 87 | 22 | | 30.3% | 38.2% | 25.1% | 6.4% | | |
| 3.5 Intervention | 3.5.18 Muscle energy techniques. | Frequency | 232 | 91 | 68 | 35 | 31 | 7 | 39.2% | 29.3% | 15.1% | 13.4% | 3.0% | |
| | | Importance | 226 | 81 | 102 | 36 | 7 | | 35.8% | 45.1% | 15.9% | 3.1% | | |
| | | Level of Mastery | 222 | 66 | 94 | 48 | 14 | | 29.7% | 42.3% | 21.6% | 6.3% | | |
| 2.6 Critical Inquiry and Evidence-Based Practice | 2.6.3 Evaluating the efficacy and effectiveness of exa | Frequency | 363 | 73 | 73 | 98 | 102 | 17 | 20.1% | 20.1% | 27.0% | 28.1% | 4.7% | |
| | | Importance | 353 | 163 | 154 | 28 | 8 | | 46.2% | 43.6% | 7.9% | 2.3% | | |
| | | Level of Mastery | 343 | 116 | 131 | 73 | 23 | | 33.8% | 38.2% | 21.3% | 6.7% | | |
| 3.5 Intervention | 3.5.6 Sleep hygiene education (e.g., sleep schedules, | Frequency | 232 | 81 | 95 | 38 | 15 | 3 | 34.9% | 40.9% | 16.4% | 6.5% | 1.3% | |
| | | Importance | 226 | 97 | 107 | 18 | 4 | | 42.9% | 47.3% | 8.0% | 1.8% | | |
| | | Level of Mastery | 223 | 49 | 92 | 72 | 10 | | 22.0% | 41.3% | 32.3% | 4.5% | | |
| 3.7 Outcomes Assessment | 3.7.3 Assessing promotion of primary and secondary | Frequency | 224 | 78 | 92 | 43 | 9 | 2 | 34.8% | 41.1% | 19.2% | 4.0% | 0.9% | |
| | | Importance | 217 | 82 | 116 | 18 | 1 | | 37.8% | 53.5% | 8.3% | 0.5% | | |
| | | Level of Mastery | 213 | 56 | 76 | 72 | 9 | | 26.3% | 35.7% | 33.8% | 4.2% | | |
| 2.5 Education | 2.5.4 Educating other health care professionals and a | Frequency | 362 | 36 | 71 | 135 | 109 | 11 | 9.9% | 19.6% | 37.3% | 30.1% | 3.0% | |
| | | Importance | 351 | 188 | 140 | 21 | 2 | | 53.6% | 39.9% | 6.0% | 0.6% | | |
| | | Level of Mastery | 342 | 110 | 135 | 76 | 21 | | 32.2% | 39.5% | 22.2% | 6.1% | | |
| 3.1.5 Test and Measures | 3.1.5.8 Aerobic capacity and endurance (e.g., dyspne | Frequency | 261 | 81 | 87 | 57 | 32 | 4 | 31.0% | 33.3% | 21.8% | 12.3% | 1.5% | |
| | | Importance | 252 | 96 | 130 | 22 | 4 | | 38.1% | 51.6% | 8.7% | 1.6% | | |
| | | Level of Mastery | 245 | 51 | 93 | 76 | 25 | | 20.8% | 38.0% | 31.0% | 10.2% | | |
| 2.2 Leadership | 2.2.1 Representing orthopaedic spine physical thera | Frequency | 398 | 38 | 80 | 135 | 124 | 21 | 9.5% | 20.1% | 33.9% | 31.2% | 5.3% | |
| | | Importance | 387 | 153 | 188 | 40 | 6 | | 39.5% | 48.6% | 10.3% | 1.6% | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Level of Mastery | 372 | 121 | 157 | 74 | 20 | | 32.5% | 42.2% | 19.9% | 5.4% | |
| 3.1.5 Test and Measures | 3.1.5.6 Anthropometric characteristics (e.g., edema, | Frequency | 267 | 108 | 79 | 58 | 20 | 2 | 40.4% | 29.6% | 21.7% | 7.5% | 0.7% |
| | | Importance | 258 | 62 | 147 | 45 | 4 | | 24.0% | 57.0% | 17.4% | 1.6% | |
| | | Level of Mastery | 251 | 42 | 85 | 83 | 41 | | 16.7% | 33.9% | 33.1% | 16.3% | |
| 2.4 Advocacy | 2.4.2 Advocating for orthopaedic spine physical ther | Frequency | 381 | 31 | 24 | 102 | 161 | 63 | 8.1% | 6.3% | 26.8% | 42.3% | 16.5% |
| | | Importance | 369 | 160 | 162 | 43 | 4 | | 43.4% | 43.9% | 11.7% | 1.1% | |
| | | Level of Mastery | 354 | 101 | 128 | 79 | 46 | | 28.5% | 36.2% | 22.3% | 13.0% | |
| 3.1.5 Test and Measures | 3.1.5.16 Integumentary integrity. | Frequency | 250 | 84 | 79 | 57 | 28 | 2 | 33.6% | 31.6% | 22.8% | 11.2% | 0.8% |
| | | Importance | 243 | 68 | 125 | 50 | | | 28.0% | 51.4% | 20.6% | | |
| | | Level of Mastery | 236 | 34 | 75 | 94 | 33 | | 14.4% | 31.8% | 39.8% | 14.0% | |
| 2.2 Leadership | 2.2.2 Planning, directing, organizing, and managing h | Frequency | 396 | 100 | 90 | 91 | 78 | 37 | 25.3% | 22.7% | 23.0% | 19.7% | 9.3% |
| | | Importance | 383 | 122 | 159 | 83 | 19 | | 31.9% | 41.5% | 21.7% | 5.0% | |
| | | Level of Mastery | 369 | 69 | 155 | 103 | 42 | | 18.7% | 42.0% | 27.9% | 11.4% | |
| 3.1.5 Test and Measures | 3.1.5.4 Adaptive and supportive devices (e.g., taping | Frequency | 266 | 71 | 107 | 58 | 27 | 3 | 26.7% | 40.2% | 21.8% | 10.2% | 1.1% |
| | | Importance | 258 | 67 | 135 | 52 | 4 | | 26.0% | 52.3% | 20.2% | 1.6% | |
| | | Level of Mastery | 251 | 49 | 88 | 94 | 20 | | 19.5% | 35.1% | 37.5% | 8.0% | |
| 3.5 Intervention | 3.5.10 Graded motor imagery. | Frequency | 231 | 39 | 59 | 63 | 54 | 16 | 16.9% | 25.5% | 27.3% | 23.4% | 6.9% |
| | | Importance | 223 | 63 | 111 | 44 | 5 | | 28.3% | 49.8% | 19.7% | 2.2% | |
| | | Level of Mastery | 220 | 58 | 93 | 53 | 16 | | 26.4% | 42.3% | 24.1% | 7.3% | |
| 2.6 Critical Inquiry and Evidence-Based Practice | 2.6.4 Identifying research needs within the field of o | Frequency | 364 | 18 | 23 | 90 | 183 | 50 | 4.9% | 6.3% | 24.7% | 50.3% | 13.7% |
| | | Importance | 352 | 108 | 187 | 45 | 12 | | 30.7% | 53.1% | 12.8% | 3.4% | |
| | | Level of Mastery | 340 | 114 | 99 | 85 | 42 | | 33.5% | 29.1% | 25.0% | 12.4% | |
| 3.1.1 History | 3.1.1.1.4 Utilization of adaptive and supportive devic | Frequency | 331 | 86 | 107 | 87 | 45 | 6 | 26.0% | 32.3% | 26.3% | 13.6% | 1.8% |
| | | Importance | 321 | 84 | 155 | 75 | 7 | | 26.2% | 48.3% | 23.4% | 2.2% | |
| | | Level of Mastery | 312 | 51 | 125 | 104 | 32 | | 16.3% | 40.1% | 33.3% | 10.3% | |
| 3.5 Intervention | 3.5.24 Dry needling. | Frequency | 230 | 32 | 60 | 35 | 19 | 84 | 13.9% | 26.1% | 15.2% | 8.3% | 36.5% |
| | | Importance | 221 | 42 | 86 | 55 | 38 | | 19.0% | 38.9% | 24.9% | 17.2% | |
| | | Level of Mastery | 213 | 74 | 70 | 36 | 33 | | 34.7% | 32.9% | 16.9% | 15.5% | |
| 2.6 Critical Inquiry and Evidence-Based Practice | 2.6.2 Contributing to the body of evidence in orthop | Frequency | 364 | 18 | 8 | 44 | 225 | 69 | 4.9% | 2.2% | 12.1% | 61.8% | 19.0% |
| | | Importance | 352 | 85 | 206 | 47 | 14 | | 24.1% | 58.5% | 13.4% | 4.0% | |
| | | Level of Mastery | 341 | 120 | 110 | 66 | 45 | | 35.2% | 32.3% | 19.4% | 13.2% | |
| 2.5 Education | 2.5.2 Promoting awareness and benefits of fellowshi | Frequency | 367 | 23 | 35 | 99 | 141 | 69 | 6.3% | 9.5% | 27.0% | 38.4% | 18.8% |
| | | Importance | 355 | 98 | 157 | 77 | 23 | | 27.6% | 44.2% | 21.7% | 6.5% | |
| | | Level of Mastery | 339 | 92 | 120 | 89 | 38 | | 27.1% | 35.4% | 26.3% | 11.2% | |
| 2.1 Professional Behavior | 2.1.3 Maintaining active participation in professional | Frequency | 405 | 40 | 52 | 169 | 125 | 19 | 9.9% | 12.8% | 41.7% | 30.9% | 4.7% |
| | | Importance | 395 | 130 | 189 | 71 | 5 | | 32.9% | 47.8% | 18.0% | 1.3% | |
| | | Level of Mastery | 381 | 63 | 128 | 127 | 63 | | 16.5% | 33.6% | 33.3% | 16.5% | |
| 3.5 Intervention | 3.5.7 Nutritional education. | Frequency | 232 | 36 | 76 | 83 | 33 | 4 | 15.5% | 32.8% | 35.8% | 14.2% | 1.7% |
| | | Importance | 226 | 56 | 124 | 43 | 3 | | 24.8% | 54.9% | 19.0% | 1.3% | |
| | | Level of Mastery | 222 | 33 | 88 | 76 | 25 | | 14.9% | 39.6% | 34.2% | 11.3% | |
| 3.5 Intervention | 3.5.4.12 Protective, adaptive or supportive device or | Frequency | 231 | 40 | 85 | 63 | 40 | 3 | 17.3% | 36.8% | 27.3% | 17.3% | 1.3% |
| | | Importance | 224 | 44 | 124 | 51 | 5 | | 19.6% | 55.4% | 22.8% | 2.2% | |
| | | Level of Mastery | 221 | 39 | 82 | 87 | 13 | | 17.6% | 37.1% | 39.4% | 5.9% | |
| 3.5 Intervention | 3.5.28.2 Mindfulness. | Frequency | 230 | 49 | 59 | 50 | 45 | 27 | 21.3% | 25.7% | 21.7% | 19.6% | 11.7% |
| | | Importance | 221 | 46 | 107 | 55 | 13 | | 20.8% | 48.4% | 24.9% | 5.9% | |
| | | Level of Mastery | 215 | 18 | 79 | 77 | 41 | | 8.4% | 36.7% | 35.8% | 19.1% | |
| 3.5 Intervention | 3.5.4.21 Electro-therapeutic modalities (e.g., TENS, M | Frequency | 230 | 35 | 54 | 58 | 60 | 23 | 15.2% | 23.5% | 25.2% | 26.1% | 10.0% |
| | | Importance | 224 | 26 | 67 | 99 | 32 | | 11.6% | 29.9% | 44.2% | 14.3% | |
| | | Level of Mastery | 221 | 34 | 58 | 72 | 57 | | 15.4% | 26.2% | 32.6% | 25.8% | |
| 3.5 Intervention | 3.5.4.22 Thermo-therapeutic modalities (e.g., heat, i | Frequency | 233 | 45 | 55 | 41 | 66 | 26 | 19.3% | 23.6% | 17.6% | 28.3% | 11.2% |
| | | Importance | 226 | 14 | 68 | 106 | 38 | | 6.2% | 30.1% | 46.9% | 16.8% | |
| | | Level of Mastery | 221 | 35 | 44 | 70 | 72 | | 15.8% | 19.9% | 31.7% | 32.6% | |
| 3.5 Intervention | 3.5.28.1 Meditation. | Frequency | 230 | 16 | 52 | 58 | 53 | 51 | 7.0% | 22.6% | 25.2% | 23.0% | 22.2% |
| | | Importance | 222 | 24 | 103 | 71 | 24 | | 10.8% | 46.4% | 32.0% | 10.8% | |
| | | Level of Mastery | 213 | 14 | 72 | 80 | 47 | | 6.6% | 33.8% | 37.6% | 22.1% | |
| 3.5 Intervention | 3.5.28.3 Hypnosis. | Frequency | 229 | 1 | 3 | 5 | 18 | 202 | 0.4% | 1.3% | 2.2% | 7.9% | 88.2% |
| | | Importance | 218 | 2 | 13 | 53 | 150 | | 0.9% | 6.0% | 24.3% | 68.8% | |
| | | Level of Mastery | 194 | 43 | 14 | 17 | 120 | | 22.2% | 7.2% | 8.8% | 61.9% | |
| 3.5 Intervention | 3.5.23 Photo-therapeutic modalities (e.g., laser). | Frequency | 229 | 6 | 15 | 15 | 43 | 150 | 2.6% | 6.6% | 6.6% | 18.8% | 65.5% |
| | | Importance | 221 | 6 | 25 | 81 | 109 | | 2.7% | 11.3% | 36.7% | 49.3% | |
| | | Level of Mastery | 212 | 14 | 26 | 69 | 103 | | 6.6% | 12.3% | 32.5% | 48.6% | |

**Part 6. Medical Conditions**

Frequency

Percentage

| | | | # Responses | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never | Daily / Very Important / Expert | Weekly / Moderately Important / Proficient | Monthly / Little Importance / Competent | Less than once a month / Adv. Beginner | Never |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6.2 Musculoskeletal System | 6.2.9 Lumbar Disc Pathologies (e.g., DDD, protrusion | Frequency | 221 | 150 | 59 | 9 | 3 | | 67.9% | 26.7% | 4.1% | 1.4% | |
| | | Importance | 215 | 184 | 27 | 4 | | | 85.6% | 12.6% | 1.9% | | |
| | | Level of Mastery | 210 | 118 | 60 | 21 | 11 | | 56.2% | 28.6% | 10.0% | 5.2% | |
| 6.1 Nervous System | 6.1.2 Lumbar Radiculopathy | Frequency | 224 | 134 | 72 | 17 | 1 | | 59.8% | 32.1% | 7.6% | 0.4% | |
| | | Importance | 218 | 198 | 19 | 1 | | | 90.8% | 8.7% | 0.5% | | |
| | | Level of Mastery | 215 | 126 | 64 | 19 | 6 | | 58.6% | 29.8% | 8.8% | 2.8% | |
| 6.1 Nervous System | 6.1.1 Cervical Radiculopathy | Frequency | 224 | 112 | 81 | 30 | 1 | | 50.0% | 36.2% | 13.4% | 0.4% | |
| | | Importance | 218 | 202 | 16 | | | | 92.7% | 7.3% | | | |
| | | Level of Mastery | 215 | 125 | 64 | 21 | 5 | | 58.1% | 29.8% | 9.8% | 2.3% | |
| 6.2 Musculoskeletal System | 6.2.1 Cervical Disc Pathologies (e.g., DDD, protrusion | Frequency | 222 | 131 | 65 | 22 | 4 | | 59.0% | 29.3% | 9.9% | 1.8% | |
| | | Importance | 215 | 179 | 31 | 5 | | | 83.3% | 14.4% | 2.3% | | |
| | | Level of Mastery | 213 | 113 | 67 | 26 | 7 | | 53.1% | 31.5% | 12.2% | 3.3% | |
| 6.2 Musculoskeletal System | 6.2.24 Facet dysfunction (cervical, throacic, lumbar). | Frequency | 221 | 102 | 72 | 37 | 10 | | 46.2% | 32.6% | 16.7% | 4.5% | |
| | | Importance | 214 | 150 | 55 | 8 | 1 | | 70.1% | 25.7% | 3.7% | 0.5% | |
| | | Level of Mastery | 212 | 107 | 71 | 27 | 7 | | 50.5% | 33.5% | 12.7% | 3.3% | |
| 6.2 Musculoskeletal System | 6.2.3 Cervical Sprain/Strain | Frequency | 223 | 109 | 66 | 43 | 5 | | 48.9% | 29.6% | 19.3% | 2.2% | |
| | | Importance | 217 | 155 | 59 | 3 | | | 71.4% | 27.2% | 1.4% | | |
| | | Level of Mastery | 214 | 95 | 69 | 40 | 10 | | 44.4% | 32.2% | 18.7% | 4.7% | |
| 6.2 Musculoskeletal System | 6.2.12 Lumbar Strain | Frequency | 222 | 115 | 73 | 31 | 3 | | 51.8% | 32.9% | 14.0% | 1.4% | |
| | | Importance | 216 | 142 | 65 | 9 | | | 65.7% | 30.1% | 4.2% | | |
| | | Level of Mastery | 213 | 100 | 57 | 36 | 20 | | 46.9% | 26.8% | 16.9% | 9.4% | |
| 6.2 Musculoskeletal System | 6.2.8 Disorders of the Hip | Frequency | 222 | 97 | 99 | 21 | 5 | | 43.7% | 44.6% | 9.5% | 2.3% | |
| | | Importance | 216 | 163 | 50 | 3 | | | 75.5% | 23.1% | 1.4% | | |
| | | Level of Mastery | 213 | 96 | 81 | 29 | 7 | | 45.1% | 38.0% | 13.6% | 3.3% | |
| 6.2 Musculoskeletal System | 6.2.11 Lumbar Spondylosis / Spondylolisthesis | Frequency | 222 | 83 | 72 | 48 | 18 | 1 | 37.4% | 32.4% | 21.6% | 8.1% | 0.5% |
| | | Importance | 216 | 155 | 55 | 5 | 1 | | 71.8% | 25.5% | 2.3% | 0.5% | |
| | | Level of Mastery | 213 | 110 | 69 | 26 | 8 | | 51.6% | 32.4% | 12.2% | 3.8% | |
| 6.2 Musculoskeletal System | 6.2.2 Cervical Instability | Frequency | 223 | 46 | 31 | 49 | 89 | 8 | 20.6% | 13.9% | 22.0% | 39.9% | 3.6% |
| | | Importance | 217 | 175 | 39 | 2 | 1 | | 80.6% | 18.0% | 0.9% | 0.5% | |
| | | Level of Mastery | 214 | 116 | 71 | 25 | 2 | | 54.2% | 33.2% | 11.7% | 0.9% | |
| 6.2 Musculoskeletal System | 6.2.10 Lumbar Instability | Frequency | 222 | 69 | 66 | 48 | 34 | 5 | 31.1% | 29.7% | 21.6% | 15.3% | 2.3% |
| | | Importance | 216 | 153 | 54 | 7 | 2 | | 70.8% | 25.0% | 3.2% | 0.9% | |
| | | Level of Mastery | 213 | 113 | 72 | 23 | 5 | | 53.1% | 33.8% | 10.8% | 2.3% | |
| 6.2 Musculoskeletal System | 6.2.26 Spinal stenosis. | Frequency | 220 | 88 | 82 | 36 | 13 | 1 | 40.0% | 37.3% | 16.4% | 5.9% | 0.5% |
| | | Importance | 213 | 146 | 64 | 2 | 1 | | 68.5% | 30.0% | 0.9% | 0.5% | |
| | | Level of Mastery | 211 | 96 | 72 | 31 | 12 | | 45.5% | 34.1% | 14.7% | 5.7% | |
| 6.2 Musculoskeletal System | 6.2.5 Chronic Pain Syndromes | Frequency | 223 | 67 | 85 | 51 | 18 | 2 | 30.0% | 38.1% | 22.9% | 8.1% | 0.9% |
| | | Importance | 215 | 153 | 60 | 1 | 1 | | 71.2% | 27.9% | 0.5% | 0.5% | |
| | | Level of Mastery | 212 | 104 | 85 | 21 | 2 | | 49.1% | 40.1% | 9.9% | 0.9% | |
| 6.2 Musculoskeletal System | 6.2.4 Cervicogenic Headache | Frequency | 223 | 51 | 87 | 61 | 24 | | 22.9% | 39.0% | 27.4% | 10.8% | |
| | | Importance | 217 | 153 | 61 | 3 | | | 70.5% | 28.1% | 1.4% | | |
| | | Level of Mastery | 212 | 110 | 74 | 26 | 2 | | 51.9% | 34.9% | 12.3% | 0.9% | |
| 6.2 Musculoskeletal System | 6.2.13 Other Disorders of the Lumbar Spine | Frequency | 220 | 76 | 68 | 54 | 21 | 1 | 34.5% | 30.9% | 24.5% | 9.5% | 0.5% |
| | | Importance | 212 | 124 | 80 | 8 | | | 58.5% | 37.7% | 3.8% | | |
| | | Level of Mastery | 209 | 93 | 73 | 36 | 7 | | 44.5% | 34.9% | 17.2% | 3.3% | |
| 6.1 Nervous System | 6.1.6 Cervical Myelopathy. | Frequency | 224 | 22 | 24 | 50 | 112 | 16 | 9.8% | 10.7% | 22.3% | 50.0% | 7.1% |
| | | Importance | 218 | 166 | 43 | 9 | | | 76.1% | 19.7% | 4.1% | | |
| | | Level of Mastery | 215 | 106 | 80 | 20 | 9 | | 49.3% | 37.2% | 9.3% | 4.2% | |
| 6.2 Musculoskeletal System | 6.2.25 Operative procedure on spinal structure. | Frequency | 220 | 38 | 69 | 70 | 40 | 3 | 17.3% | 31.4% | 31.8% | 18.2% | 1.4% |
| | | Importance | 214 | 146 | 62 | 6 | | | 68.2% | 29.0% | 2.8% | | |
| | | Level of Mastery | 210 | 91 | 77 | 35 | 7 | | 43.3% | 36.7% | 16.7% | 3.3% | |
| 6.2 Musculoskeletal System | 6.2.15 Sacroiliac Dysfunction | Frequency | 222 | 52 | 59 | 62 | 47 | 2 | 23.4% | 26.6% | 27.9% | 21.2% | 0.9% |
| | | Importance | 215 | 115 | 81 | 17 | 2 | | 53.5% | 37.7% | 7.9% | 0.9% | |
| | | Level of Mastery | 212 | 94 | 80 | 34 | 4 | | 44.3% | 37.7% | 16.0% | 1.9% | |
| 6.1 Nervous System | 6.1.4 Other peripheral neural impingements (not inc | Frequency | 222 | 30 | 54 | 64 | 71 | 3 | 13.5% | 24.3% | 28.8% | 32.0% | 1.4% |
| | | Importance | 217 | 129 | 76 | 12 | | | 59.4% | 35.0% | 5.5% | | |
| | | Level of Mastery | 214 | 101 | 85 | 26 | 2 | | 47.2% | 39.7% | 12.1% | 0.9% | |
| 6.2 Musculoskeletal System | 6.2.6 Other Disorders of Cervical Spine | Frequency | 223 | 64 | 64 | 55 | 37 | 3 | 28.7% | 28.7% | 24.7% | 16.6% | 1.3% |
| | | Importance | 216 | 115 | 90 | 10 | 1 | | 53.2% | 41.7% | 4.6% | 0.5% | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Level of Mastery | 212 | 77 | 93 | 38 | 4 | | 36.3% | 43.9% | 17.9% | 1.9% | | |
| 6.1 Nervous System | 6.1.3 Thoracic Outlet Syndrome | Frequency | 222 | 20 | 30 | 60 | 108 | 4 | 9.0% | 13.5% | 27.0% | 48.6% | 1.8% | |
| | | Importance | 215 | 110 | 88 | 15 | 2 | | 51.2% | 40.9% | 7.0% | 0.9% | | |
| | | Level of Mastery | 212 | 96 | 82 | 28 | 6 | | 45.3% | 38.7% | 13.2% | 2.8% | | |
| 6.2 Musculoskeletal System | 6.2.19 Thoracic Sprain/Strain | Frequency | 220 | 35 | 68 | 70 | 46 | 1 | 15.9% | 30.9% | 31.8% | 20.9% | 0.5% | |
| | | Importance | 214 | 103 | 91 | 20 | | | 48.1% | 42.5% | 9.3% | | | |
| | | Level of Mastery | 211 | 83 | 79 | 40 | 9 | | 39.3% | 37.4% | 19.0% | 4.3% | | |
| 6.2 Musculoskeletal System | 6.2.27 Oncological Disorders | Frequency | 220 | 9 | 14 | 35 | 133 | 29 | 4.1% | 6.4% | 15.9% | 60.5% | 13.2% | |
| | | Importance | 208 | 130 | 57 | 17 | 4 | | 62.5% | 27.4% | 8.2% | 1.9% | | |
| | | Level of Mastery | 206 | 67 | 85 | 41 | 13 | | 32.5% | 41.3% | 19.9% | 6.3% | | |
| 6.2 Musculoskeletal System | 6.2.17 Inflammatory Conditions | Frequency | 222 | 17 | 32 | 69 | 97 | 7 | 7.7% | 14.4% | 31.1% | 43.7% | 3.2% | |
| | | Importance | 214 | 116 | 86 | 12 | | | 54.2% | 40.2% | 5.6% | | | |
| | | Level of Mastery | 210 | 75 | 85 | 46 | 4 | | 35.7% | 40.5% | 21.9% | 1.9% | | |
| 6.2 Musculoskeletal System | 6.2.18 Rib Dysfunction | Frequency | 220 | 24 | 40 | 67 | 81 | 8 | 10.9% | 18.2% | 30.5% | 36.8% | 3.6% | |
| | | Importance | 213 | 100 | 86 | 22 | 5 | | 46.9% | 40.4% | 10.3% | 2.3% | | |
| | | Level of Mastery | 209 | 81 | 90 | 34 | 4 | | 38.8% | 43.1% | 16.3% | 1.9% | | |
| 6.2 Musculoskeletal System | 6.2.22 Curvature of the spine (e.g., scoliosis, kyphosi | Frequency | 221 | 33 | 42 | 70 | 65 | 11 | 14.9% | 19.0% | 31.7% | 29.4% | 5.0% | |
| | | Importance | 212 | 93 | 101 | 17 | 1 | | 43.9% | 47.6% | 8.0% | 0.5% | | |
| | | Level of Mastery | 209 | 68 | 86 | 46 | 9 | | 32.5% | 41.1% | 22.0% | 4.3% | | |
| 6.2 Musculoskeletal System | 6.2.16 Other Disorders of the Pelvic Girdle | Frequency | 222 | 34 | 48 | 56 | 76 | 8 | 15.3% | 21.6% | 25.2% | 34.2% | 3.6% | |
| | | Importance | 213 | 91 | 99 | 21 | 2 | | 42.7% | 46.5% | 9.9% | 0.9% | | |
| | | Level of Mastery | 207 | 66 | 93 | 45 | 3 | | 31.9% | 44.9% | 21.7% | 1.4% | | |
| 6.2 Musculoskeletal System | 6.2.14 Piriformis Syndrome | Frequency | 221 | 26 | 49 | 75 | 63 | 8 | 11.8% | 22.2% | 33.9% | 28.5% | 3.6% | |
| | | Importance | 213 | 88 | 81 | 38 | 6 | | 41.3% | 38.0% | 17.8% | 2.8% | | |
| | | Level of Mastery | 209 | 72 | 81 | 38 | 18 | | 34.4% | 38.8% | 18.2% | 8.6% | | |
| 6.2 Musculoskeletal System | 6.2.7 Temporomandibular Dysfunction | Frequency | 221 | 17 | 22 | 50 | 102 | 30 | 7.7% | 10.0% | 22.6% | 46.2% | 13.6% | |
| | | Importance | 213 | 85 | 102 | 25 | 1 | | 39.9% | 47.9% | 11.7% | 0.5% | | |
| | | Level of Mastery | 208 | 71 | 88 | 37 | 12 | | 34.1% | 42.3% | 17.8% | 5.8% | | |
| 6.2 Musculoskeletal System | 6.2.21 Other Disorders of the Thoracic Spine | Frequency | 217 | 27 | 39 | 64 | 82 | 5 | 12.4% | 18.0% | 29.5% | 37.8% | 2.3% | |
| | | Importance | 210 | 81 | 95 | 33 | 1 | | 38.6% | 45.2% | 15.7% | 0.5% | | |
| | | Level of Mastery | 207 | 61 | 94 | 44 | 8 | | 29.5% | 45.4% | 21.3% | 3.9% | | |
| 6.2 Musculoskeletal System | 6.2.20 Thoracic Disc Pathologies | Frequency | 219 | 14 | 26 | 49 | 116 | 14 | 6.4% | 11.9% | 22.4% | 53.0% | 6.4% | |
| | | Importance | 212 | 84 | 101 | 23 | 4 | | 39.6% | 47.6% | 10.8% | 1.9% | | |
| | | Level of Mastery | 209 | 72 | 92 | 37 | 8 | | 34.4% | 44.0% | 17.7% | 3.8% | | |
| 6.1 Nervous System | 6.1.5 Meralgia paresthetica. | Frequency | 222 | 9 | 9 | 34 | 140 | 30 | 4.1% | 4.1% | 15.3% | 63.1% | 13.5% | |
| | | Importance | 214 | 63 | 101 | 46 | 4 | | 29.4% | 47.2% | 21.5% | 1.9% | | |
| | | Level of Mastery | 212 | 67 | 91 | 42 | 12 | | 31.6% | 42.9% | 19.8% | 5.7% | | |
| 6.2 Musculoskeletal System | 6.2.23 Diastasis recti. | Frequency | 220 | 9 | 19 | 51 | 101 | 40 | 4.1% | 8.6% | 23.2% | 45.9% | 18.2% | |
| | | Importance | 211 | 70 | 86 | 48 | 7 | | 33.2% | 40.8% | 22.7% | 3.3% | | |
| | | Level of Mastery | 206 | 37 | 88 | 65 | 16 | | 18.0% | 42.7% | 31.6% | 7.8% | | |
| 6.2 Musculoskeletal System | 6.2.28 Torticollis | Frequency | 220 | 7 | 8 | 19 | 115 | 71 | 3.2% | 3.6% | 8.6% | 52.3% | 32.3% | |
| | | Importance | 209 | 69 | 83 | 41 | 16 | | 33.0% | 39.7% | 19.6% | 7.7% | | |
| | | Level of Mastery | 205 | 39 | 83 | 57 | 26 | | 19.0% | 40.5% | 27.8% | 12.7% | | |
| 6.2 Musculoskeletal System | 6.2.29 Klippel-Feil Syndrome | Frequency | 220 | 3 | 5 | 8 | 86 | 118 | 1.4% | 2.3% | 3.6% | 39.1% | 53.6% | |
| | | Importance | 200 | 44 | 81 | 53 | 22 | | 22.0% | 40.5% | 26.5% | 11.0% | | |
| | | Level of Mastery | 199 | 37 | 65 | 55 | 42 | | 18.6% | 32.7% | 27.6% | 21.1% | | |
| 6.2 Musculoskeletal System | 6.2.30 Scheuermann's Disease | Frequency | 220 | 6 | 5 | 22 | 127 | 60 | 2.7% | 2.3% | 10.0% | 57.7% | 27.3% | |
| | | Importance | 207 | 48 | 95 | 52 | 12 | | 23.2% | 45.9% | 25.1% | 5.8% | | |
| | | Level of Mastery | 203 | 32 | 77 | 66 | 28 | | 15.8% | 37.9% | 32.5% | 13.8% | | |

# Responses to Demographic Questions

**1. Please select one of the following survey options**

| | Frequency | Percent |
|---|---|---|
| I am a graduate of an ABPTRFE-accredited orthopaedic or sports residency program, and have practice a minimum of 1,000 hours in orthopaedic spine in the last two (2) years. | 63 | 5.2 |
| I am actively involved in orthopaedic spine physical therapy practice at the "subspecialist" level, but am unable to participate in this survey at this time. | 75 | 6.2 |
| I am an ABPTS board-certified clinical specialist in orthopaedic or sports physical therapy, and have practice a minimum of 1,000 hours in orthopaedic spine in the last two (2) years. | 754 | 62.3 |
| I am not a board-certified clinical specialist, or residency graduate, in orthopaedic or sports physical therapy but I am a member of the APTA Academy of Orthopaedic Physical Therapy or Academy of Sports Physical Therapy and have a minimum of 5 years of experience of practice in orthopaedic spine, with at least 1,000 hours in the last two (2) years. | 197 | 16.3 |
| I am not actively involved in orthopaedic spine physical therapy practice and therefore I am not eligible to participate in this survey at this time. | 121 | 10.0 |

**4.1 Please indicate the percentage of time you spend in the following settings as an orthopaedic spine physical**

| | Counts within Percentage Bands |
|---|---|

| | M % | SD % | 0 to 5% | 6 to 25% | 26 to 50% | 51 to 75% | 76 to 100% |
|---|---|---|---|---|---|---|---|
| Acute Care Hospital | 4.1 | 13.9 | 98 | 14 | 1 | 0 | 2 |
| Hospital-based outpatient facility or clinic | 53.0 | 46.1 | 63 | 5 | 8 | 6 | 80 |
| Private outpatient office or group practice | 62.9 | 43.5 | 38 | 12 | 14 | 3 | 92 |
| Skilled nursing facility (SNF)/long-term care | 1.2 | 10.3 | 94 | 1 | 0 | 0 | 1 |
| Patient's home/home care | 2.9 | 12.4 | 96 | 3 | 3 | 0 | 1 |
| School system (preschool/primary/secondary) | 0.2 | 1.1 | 96 | 1 | 0 | 0 | 0 |
| Academic institution (postsecondary) | 18.1 | 32.5 | 79 | 13 | 5 | 4 | 15 |
| Health and wellness facility | 3.5 | 15.5 | 94 | 5 | 2 | 0 | 2 |
| Research center | 0.8 | 4.7 | 93 | 3 | 1 | 0 | 0 |
| Industry | 0.9 | 5.4 | 93 | 3 | 1 | 0 | 0 |
| Inpatient rehab facility (IRF) | 0.4 | 2.3 | 96 | 2 | 0 | 0 | 0 |
| Other | 9.8 | 26.5 | 70 | 7 | 2 | 0 | 7 |

**5.1 In the past year, what percentage of paitents/clients have you provided physical therapy services for in the following age groups? (total**

| Age group | Mean % | SD % |
|---|---|---|
| Pediatrics (0-21 years of age) | 14.9 | 12.4 |
| Adults (22-59 years of age) | 49.6 | 16.8 |
| Geriatrics (60 years of age to end of life) | 37.6 | 16.4 |

**5.2 In the past year, what percentage of patients/clients have you provided physical therapy services for in the following sex groups? (total must equal 100%)**

| Sex | Mean % | SD % |
|---|---|---|
| Male | 47.7 | 10.6 |
| Female | 51.2 | 10.7 |
| Ambiguous | 3.6 | 10.4 |

**5.3 Please indicate your referral sources by percentages below (total must equal 100%)**

| | Mean % | SD % | |
|---|---|---|---|
| Self-referral | 26.2 | 27.3 | <- e.g., "on average, 26% of referrals are from self-referral" |
| Chiropractic | 3.1 | 6.0 | |
| Family practice physicians or other physician primary care p | 32.3 | 18.9 | |
| Physician specialists (e.g. geriatrics physician) | 30.6 | 19.9 | |
| Physician assistants | 13.8 | 8.8 | |
| Podiatrist | 4.4 | 4.3 | |
| Nurse practitioners | 11.8 | 12.7 | |
| Other | 9.5 | 22.2 | |

***Note.*** **Other were...**

**7.1 In which geographic region is the major portion of your practice?**

| | frequency | percent |
|---|---|---|
| East North Central (IL, IN, MI, OH, WI) | 24 | 2.0 |
| East South Central (AL, KY, MS, TN) | 7 | 0.6 |
| Middle Atlantic (NJ, NY, PA) | 40 | 3.3 |
| Mountain (AZ, CO, ID, MT, NV, NM, UT, WY) | 21 | 1.7 |
| New England (CT, ME, MA, NH, RI, VT) | 13 | 1.1 |
| Pacific (AK, CA, HI, OR, WA) | 34 | 2.8 |
| South Atlantic (DE, DC, FL, GA, MD, NC, PR, SC, VA, WV) | 34 | 2.8 |
| West North Central (IA, KS, MN, MO, NE, ND, SD) | 30 | 2.5 |
| West South Central (AR, LA, OK, TX) | 20 | 1.7 |
| None Selected | 987 | 81.6 |

**7.2 What is your entry-level physical therapy education?**

| | frequency | percent |
|---|---|---|

| | | |
|---|---|---|
| Baccalaureate | 48 | 4.0 |
| DPT | 121 | 10.0 |
| Entry-level master's | 46 | 3.8 |
| Other (please specify) | 3 | 0.2 |
| Postbaccalaureate certificate | 5 | 0.4 |
| None Selected | 987 | 81.6 |

**7.3 What is your highest earned academic degree in any area of study?**

| | frequency | percent |
|---|---|---|
| Baccalaureate | 19 | 1.6 |
| DPT | 120 | 9.9 |
| Master's | 24 | 2.0 |
| Other (please specify) | 3 | 0.2 |
| PhD (or equivalent and DPT | 6 | 0.5 |
| PhD (or equivalent) and tDPT | 1 | 0.1 |
| PhD (or equivalent, eg EdD or ScD) | 15 | 1.2 |
| tDPT | 36 | 3.0 |
| None Selected | 986 | 81.5 |

*Note.* Other were Doctor of Chiropractic (n=2) and Post Graduate Diploma in Rehabilitation (n=1).

**7.4 What is the total number of years you have been a practicing physical therapist?**

| | Frequency | Percent |
|---|---|---|
| 31 or more years | 41 | 3.4 |
| 21 - 30 years | 57 | 4.7 |
| 16 - 20 years | 24 | 2.0 |
| 11 - 15 years | 37 | 3.1 |
| 6 - 10 years | 44 | 3.6 |
| 3 - 5 years | 17 | 1.4 |
| 1 - 2 years | 4 | 0.3 |
| None Selected | 986 | 81.5 |

**7.5 What is the total number of years you have primarily practiced in Orthopaedic Spine physical therapy?**

| | Frequency | Percent |
|---|---|---|
| 31 or more years | 22 | 1.8 |
| 21 - 30 years | 44 | 3.6 |
| 16 - 20 years | 37 | 3.1 |
| 11 - 15 years | 28 | 2.3 |
| 6 - 10 years | 58 | 4.8 |
| 3 - 5 years | 26 | 2.1 |
| 1 - 2 years | 7 | 0.6 |
| Less than a year | 2 | 0.2 |
| None Selected | 986 | 81.5 |

**7.6 Please indicate any ABPTS board certifications you currently hold (select all that apply)**

| | Frequency | Percent |
|---|---|---|
| Cardivascular and Pulmonary | 0 | 0.0 |
| Clinical Electrophysiology | 1 | 0.1 |
| Geriatrics | 4 | 0.3 |
| Neurology | 1 | 0.1 |
| Oncology | 0 | 0.0 |
| Orthopaedics | 169 | 14.0 |
| Pediatrics | 0 | 0.0 |
| Sports | 18 | 1.5 |
| Women's Health | 0 | 0.0 |
| Wound Management | 0 | 0.0 |
| None of the above | 39 | 3.2 |
| None Selected | 996 | 82.3 |

**7.7 Please indicate if you graduated from an ABPTRFE-accredited residency program in any of the following areas of specialty practice (select all that apply)**

| | Frequency | Percent |
|---|---|---|
| Acute Care | 0 | 0.0 |
| Cardiovascular and Pulmonary | 0 | 0.0 |
| Clinical Electrophysiology | 0 | 0.0 |
| Faculty | 0 | 0.0 |
| Geriatrics | 0 | 0.0 |
| Neurology | 0 | 0.0 |
| Oncology | 0 | 0.0 |
| Orthopaedics | 50 | 4.1 |
| Pediatrics | 0 | 0.0 |
| Sports | 1 | 0.1 |
| Women's Health | 0 | 0.0 |
| Wound Management | 0 | 0.0 |
| None of the above | 136 | 11.2 |
| None Selected | 1023 | 84.5 |

**7.8 Please indicate if you graduated from an ABPTRFE-accredited fellowship program in any of the followingg areas of subspecialty practice (select all that apply)**

| | Frequency | Percent |
|---|---|---|
| Critical Care | 0 | 0.0 |
| Hand Therapy | 0 | 0.0 |
| Higher Education Leadership | 0 | 0.0 |
| Movement System | 4 | 0.3 |
| Neonatology | 0 | 0.0 |
| Orthopaedic Manual Physical Therapy | 38 | 3.1 |
| Performing Arts | 0 | 0.0 |
| Spine | 8 | 0.7 |
| Sports Division 1 | 0 | 0.0 |
| Upper Extremity Athlete | 0 | 0.0 |

| | | |
|---|---|---|
| None of the above | 134 | 11.1 |
| None Selected | 1029 | 85.0 |

**7.9 Based on state law and facility policies, do you evaluate and/or treat patients/clients without a physician referral?**

| | Frequency | Percent |
|---|---|---|
| Yes | 179 | 14.8 |
| No | 43 | 3.6 |
| None Selected | 988 | 81.7 |

**7.10 What is your current employment status at your primary position? (35 or more hours/wk is full-time)**

| | Frequency | Percent |
|---|---|---|
| Full-time hourly | 25 | 2.1 |
| Full-time salaried | 143 | 11.8 |
| Full-time self employed | 26 | 2.1 |
| Part-time hourly | 14 | 1.2 |
| Part-time salaried | 5 | 0.4 |
| Part-time self employed | 5 | 0.4 |
| Retired | 2 | 0.2 |
| Unemployed/not seeking work | 2 | 0.2 |
| None Selected | 988 | 81.7 |

**7.11 What educational method has had the MOST influence on developing your present level of clinical skills?**

| | Frequency | Percent |
|---|---|---|
| Continuing education courses, workshops, seminars, study | 104 | 8.6 |
| Formal fellowship program | 39 | 3.2 |
| Formal residency program | 31 | 2.6 |
| Graduate program | 14 | 1.2 |
| In service, peer interaction | 4 | 0.3 |
| Mentoring | 13 | 1.1 |
| Self-study (books, articles, videotapes, home study courses | 17 | 1.4 |
| None Selected | 988 | 81.7 |

**7.12 Are you a member of the APTA**

| | Frequency | Percent |
|---|---|---|
| Yes | 184 | 15.2 |
| No | 38 | 3.1 |
| None Selected | 988 | 81.7 |

**7.13 Please indicate any APTA Section you are member of (select all that apply)**

| | Frequency | Percent |
|---|---|---|
| Acute Care | 1 | 0.1 |
| Aquatics | 2 | 0.2 |
| Cardiovascular and Pulmonary | 1 | 0.1 |
| Clinical Electrophysiology and Wound Management | 2 | 0.2 |
| Education | 26 | 2.1 |
| Federal | 5 | 0.4 |
| Geriatrics | 7 | 0.6 |
| Hand and Upper Extremity | 2 | 0.2 |
| Health Policy and Administration | 4 | 0.3 |
| Home Health | 2 | 0.2 |
| Neurology | 6 | 0.5 |
| Oncology | 2 | 0.2 |
| Orthopaedics | 158 | 13.1 |
| Pediatrics | 1 | 0.1 |
| Pelvic Health | 8 | 0.7 |
| Private Practice | 19 | 1.6 |
| Research | 11 | 0.9 |
| Sports | 34 | 2.8 |
| None of the above | 38 | 3.1 |
| None Selected | 988 | 81.7 |

**7.14 What is your sex?**

| | Frequency | Percent |
|---|---|---|
| Male | 136 | 11.2 |
| Female | 87 | 7.2 |
| None Selected | 987 | 81.6 |

**7.15 What is your age?**

| | Frequency | Percent |
|---|---|---|
| 20-29 | 7 | 0.6 |
| 30-39 | 76 | 6.3 |
| 40-49 | 61 | 5.0 |
| 50-59 | 53 | 4.4 |
| 60-69 | 21 | 1.7 |
| 70+ | 5 | 0.4 |
| None Selected | 987 | 81.6 |

**7.16 Which of the following best describes your race/ethnic origin?**

| | Frequency | Percent |
|---|---|---|
| African-American or Black (Not Hispanic) | 6 | 0.5 |
| Asian | 23 | 1.9 |
| Hispanic/Latino | 3 | 0.2 |
| Other | 9 | 0.7 |
| White (Not Hispanic) | 180 | 14.9 |
| None Selected | 989 | 81.7 |