AMERICAN BOARD OF PHYSICAL THERAPY RESIDENCY AND FELLOWSHIP EDUCATION

Mentoring Resource Manual

August 2014

Updated June 2019 to reflect the 2018 ABPTRFE Quality Standards for Clinical Physical Therapist Residency and Fellowship



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I. Introduction

Historical Background

In November 1996, the Board of Directors of the American Physical Therapy Association (APTA) voted to implement a voluntary credentialing process for postprofessional clinical residency programs for physical therapists.

In November 2000, the Board expanded the scope of program credentialing to include clinical fellowship programs. The terminology of "credentialing" was changed to "accreditation" in February 2014 in recognition of the appropriate use of those terms.

Since its inception, the criteria for residency and fellowship accreditation have included mentoring as a critical facet to advance the program participant's patient/client management skills within the specialty or subspecialty. Through the years, the structure and format of mentoring have been revised.

- 2008: To ensure the safety of patient/clients and competence of clinicians, a program must provide clinical mentoring that includes, but is not limited to, residents or fellows observing faculty providing care; and faculty providing mentoring of residents or fellows that includes management of patients/clients presenting with critical and/or complex care issues that require further expert consultation or referral.
- 2009: All required minimum mentoring hours must be provided by a physical therapist. In addition, 100 of the 150 residency mentoring hours and 50 of the 100 fellowship mentoring hours must consist of examination, evaluation, diagnosis, prognosis, intervention, and outcome measurement at times when the resident/fellow-in-training is the primary provider of care. The remaining hours can be spent either in discussion about individual patient/client management (with or without the patient present), or during examination, evaluation, diagnosis, prognosis, intervention, and outcome measurement when the mentor is the primary provider of care.

Clarification was provided in 2009 that mentoring is not the same as providing clinical instruction to the entry-level physical therapist student. Mentoring, rather, is preplanned to meet specific educational objectives and requires the advanced knowledge, skills, and clinical judgments of a clinical specialist. It further was outlined that loose or unsupervised patient/client management, physician or other health care provider observation, grand rounds, observation of other physical therapists during patient/client management, and clinical shadowing could not be included within the minimum required hours of mentoring.

The evaluative criteria stated that the mentor not only teaches advanced clinical skills and decision making, but that he or she also facilitates development of advanced professional behaviors, proficiency in communications, and consultation skills. A mentor was defined as a practitioner who has the advanced knowledge, skills, and clinical judgments of a clinical specialist, and who provides instruction to a resident or fellow in patient/client management, advanced professional behaviors, proficiency in communications, and consultation skills. The mentor also may provide instruction in research, teaching, and/or service. The 6 functions frequently cited to describe the roles mentors play are teacher, sponsor, host, guide, exemplar, and counselor.

Following a generative discussion with accredited program directors and faculty during the 2010 Combined Sections Meeting in San Diego, California, on what mentoring means in the context of residency and fellowship education of physical therapists, ABPTRFE established a Mentoring Work Group in 2011 to develop a systematic approach to the development of guidelines and resources for clinical mentoring in physical therapy residency and fellowship education—the goals being to ensure consistent, high-quality mentoring across all postprofessional education programs.

• 2017: ABPTRFE Quality Standards for Clinical Physical Therapist Residency and Fellowship Programs clarified for those mentoring hours beyond the required in-person mentoring, that synchronous or asynchronous methodologies may be utilized.

The glossary of terms defines mentoring as instructional guidance provided by advanced and experienced physical therapists as a part of a residency or fellowship program in a defined area of practice. Mentoring focuses on advancing participants' knowledge and expertise in a defined area of practice and is delivered as a continual learning experience provided on an ongoing basis throughout the duration of the program.

Philosophy Statement

There are numerous definitions for mentoring, but there is no definitive consensus. The research highlights that mentorship is a key component of professional development in any profession. As mentoring continues to be the foundation of residency and fellowship education of physical therapists, this document outlines the work of the Mentoring Work Group and specifically defines mentoring in the contexts of residency and fellowship education in physical therapy. This resource manual is designed to outline requirements that will be used to make accreditation decisions; assist programs in developing their mentoring efforts; and to inform residents and fellows what they should expect from mentoring.

Mentoring should not be confused with supervising, advising, career counseling, shadowing, or coaching.² Mentoring is workplace learning and must occur within that environment (institutional proximity and primarily direct, face-to-face* contact).^{2,3}

Like the mentoring process itself, this document is dynamic and will be revisited on a regular, ongoing basis, as the profession of physical therapy progresses. While this manual is intended for use in developing and accrediting residency and fellowship programs, other audiences may find value in the information presented here.

Special Note

The ABPTRFE would like to thank the members of the Mentoring Work Group who dedicated their time and efforts to creating this resource:

- Nicole Christensen, PT, PhD, MappSC
- Parry Gerber, PT, PhD, ATC, Board-certified clinical specialist in sports physical therapy
- Gail M. Jensen, PT, PhD, FAPTA
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- Anne O'Donnell, PT, PhD

^{*} Refer to the ABPTRFE Quality Standards for required in-person mentoring hours.

• Carol Jo Tichenor, PT, MA, Honorary Fellow of the American Academy of Orthopaedic Manual Physical Therapists

II. Defining Mentoring for Residency and Fellowship Education in Physical Therapy

Clinical mentoring of physical therapists in residency and fellowship education is a continual learning experience that must be provided on an ongoing basis^{†4} throughout the duration of the program.² It is focused on patient/client management⁵ and includes examination, evaluation, diagnosis, prognosis, intervention, and outcome. It takes place before, during, and after a patient/client encounter.⁶ For the purposes of program accreditation, there must be a minimum number of hours of 1:1^{7,8,9,10} ‡mentoring that involves the mentor, mentee, and patient. §

The purpose of a residency/fellowship program is to facilitate the development of advanced practitioners. The key to such development is mentoring⁹ the resident/fellow in patient/client management.^{6,11} Although the definition of mentoring centers on patient/client management, a resident/fellow must demonstrate other proficiencies, as well, in order to provide comprehensive patient/client care. Instruction in these proficiencies should be provided, however, via other learning experiences (ie, didactically, evidence-based reading, grand rounds, etc) and *cannot count* toward the minimum hour requirement for mentoring. Figure 1 demonstrates this learning module for residency education. The same model applies to fellowship programs, as they advanced the practitioner into the greater depth and breadth of knowledge of a subspecialist.

Mentoring is provided at a post-licensure level of specialty practice (for residents) or a subspecialty practice level (for fellows), with emphasis on the development of *advanced* clinical reasoning skills, 12** as

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[†] Please refer to the Competencies/Benchmarks section of this manual for guidance on providing mentoring on a "regular basis."

[‡] Clinical mentoring during patient/client management can occur in a 1:1, 1:2, or 1:3 (mentor: resident/fellow) model. Higher ratios can be employed during active reflection/discussion about patient care. Hours of mentoring must be divided equally among each resident/fellow during that mentoring session. For example, a 4-hour mentoring session that includes 1 faculty mentor and 2 residents/fellows would count as 2 hours of mentoring for each resident/fellow. A 3-hour mentoring session with 2 mentors and 6 residents/fellows would count as 1 hour of mentoring for each resident/fellow (A 2:6 mentor: resident/fellow model is the same as a 1:3 ratio). Please note that a program cannot count hours for more than 1 category (ie, hours within the program cannot be counted simultaneously as mentoring and hours spent in an athletic venue, shadowing, observation, or other learning opportunities).

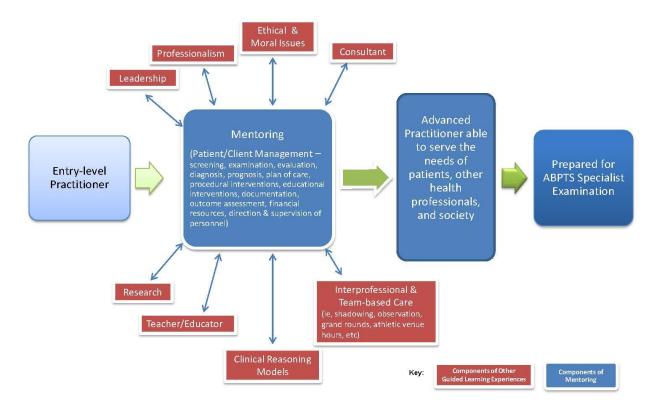
[§] Please refer to ABPTRFE Quality Standards for Clinical Physical Therapist Residency and Fellowship Programs for the minimum number of hours within which mentoring must occur during the patient/client encounter when the resident/fellow must be the primary provider of care. Also, mentoring may occur before or after the patient/client encounter, and can include discussion centered around the resident's/fellow's caseload. Mentoring occurs with a variety of patients in the resident's/fellow's caseload—not simply with a single patient/client.

^{**} Entry-level clinical performance is defined by APTA's Clinical Performance Instrument. A residency/fellowship program is responsible for taking an entry-level clinician and progressing his or her clinical reasoning skills to the specialist/subspecialist level (respectively), as outlined within the corresponding specialty's DRP, the subspecialty's DFP, or the ABPTRFE-approved analysis of practice (specialty or subspecialty). Please note, however, that the DRP and DFP documents are not updated regularly. Therefore, not all clinical reasoning skills currently required of a specialist/subspecialist are reflected in these documents.

defined by the respective Description of Residency Practice (DRP),¹³ Description of Fellowship Practice (DFP),¹⁴ or ABPTRFE-approved analysis of practice.

Figure 1. Mentoring Versus Other Forms of Learning.

Residency Program Learning Through Mentoring and Other Guided Learning Experiences



The mentor prepares the resident/fellow to use evidence and multiple sources of information to make decisions about patient care and practice. ^{15,16} The mentor uses coaching strategies for remediation, insight, and self-discovery of the resident/fellow. ¹⁵ The mentor prepares the resident/fellow to address and manage the patient and make clinical judgments in the often-uncertain environment of practice and health care. ^{11,15} Mentors guide residents/fellows through the self-reflection process^{6,17} and provide ongoing assessment of the resident/fellow throughout the learning experience, to determine how well the resident/fellow is developing along the continuum of professional development. ¹⁶

The ABPTRFE Quality Standards outline the minimum requirements of mentoring for the purpose of accreditation, including mentor qualifications.

III. Aspects of Effective Mentoring

An effective mentoring program has many aspects. To be strong, it must be dynamic and use evidence of student learning and performance as means to continuous quality improvement.^{††}

There are two main models for mentor selection. ^{9,18} In the first model, the program appoints mentors to its faculty and assigns them to residents/fellows based on the program's structure and needs. In the second model, the resident/fellow selects his or her mentor. In this model, the program must consider the selection process within the mentor application when approving/appointing mentors, in order to ensure a successful relationship.¹⁹

In the self-selection model, the program must have a well-designed appointment, training, and monitoring system in place to ensure the appropriateness and effectiveness of mentors.

The role of the program director—regardless of which mentoring selection model is used—is to oversee the mentoring relationship and foster growth within it.^{4,16,18}

Programs must produce evidence that their mentors are meeting the following recommendations and competencies. By using a Mentor Abilities and Skills Competency Form (Appendix A), the program director can identify those individuals who are suitable to become a mentor within physical therapist residency and fellowship education.

Recommendations to be a Mentor in Physical Therapist Residency/Fellowship Education:

Every mentor within a program must meet residency/fellowship mentor qualifications as outlined within the ABPTRFE Quality Standards.

In addition, all mentors are encouraged to meet the following requirements:

- Be a physical therapist who can describe and demonstrate the difference between the various levels of teaching (instruction, collaborative and reflective questioning, mentoring, etc)
- Be a physical therapist who can provide a structured learning process for the mentee, tailored toward the learner
- Be a physical therapist who has demonstrated experience in academic or clinical teaching to students, peer-to-peer, and/or in in-service education
- Be a physical therapist who can manage multiple sources of information: diagnosis of the patient, educational diagnosis (or ability to identify clinical learning deficits of the resident/fellow), and development of the mentor/mentee working relationship. All of these components must be directed toward managing the patient and delivering excellent service. (Figure 2)

^{††} The program must evaluate the participant's achievement of program goals and objectives, and the participant's advancement in patient/client management skills, in order to ensure that mentoring is meeting its intended purpose. The program should collect data on what it is trying to effect (eg, patient/client functional outcome measures), evaluate this data, develop a plan to improve the program, collect additional data following implementation of the improvement plan, evaluate the new data, and so on.

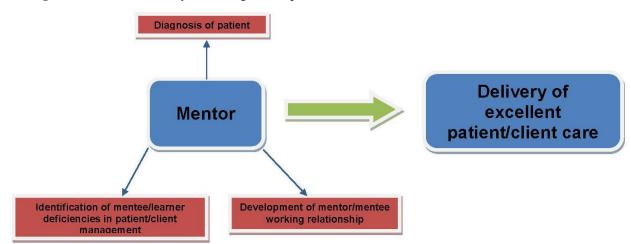


Figure 2. Mentor's Ability to Manage Multiple Sources of Information.

Core Competencies for Effective Mentoring

A successful clinical mentoring program requires certain knowledge, skills, and attributes. For those programs within which residents/fellows receive mentoring from only 1 mentor, each mentor must demonstrate the competencies described in the next paragraph. For programs whose residents/fellows are provided mentoring by more than 1 mentor, the combined skills and knowledge of the mentors must meet these competencies.

Mentors must demonstrate understanding of the mission, goals, and objectives of the program; incorporate the mission, goals, and objectives into all aspects of the program; and be able to evaluate^{20,21} those competencies within the resident or fellow. The mentor must articulate constructive feedback^{19,21,22,23,24} to the mentee that relates to the program's goals and objectives. The mentor must be able to analyze resident/fellow clinical performance in relation to program competencies^{20,22} at various stages in the program, and to ask questions of the resident/fellow that expand and/or focus his or her patient/client management skills and associated clinical reasoning and decision making abilities.^{6,11,23-25} Mentors must be involved in faculty development and professional growth through a lifelong learning process.^{4,23,26} Mentors must be evaluated through multiple sources^{‡‡} (see Section V) and be able to show change in their own performance based on this feedback/evaluation.^{23,26,27} A program must provide a mechanism to protect both the mentor and the evaluator so that individuals feel free to express constructive feedback, where applicable, during an evaluation process.^{4,27}

A great deal of work has been done on identifying core teaching competencies for medical residency programs. In 2011, leaders in medical education from the US and Canada developed, through a series of national and regional conferences, a competencies framework for residency teaching. This framework brings the traditional core competencies of health professionals (eg, content knowledge, technical skills, and interpersonal and communication skills) together with core values and learning expectations for current and future practice (learner-centeredness, professionalism and role modeling, practice-based reflection and improvement, and systems-based thinking). The core educator competencies listed in Table 1 provide a foundational framework for consideration in mentoring within residency and fellowship education in physical therapy.

^{‡‡} Effective mentor evaluation is expected but not explicitly required to include a 360-degree evaluation methods/procedures process that includes self-evaluation/reflection, top-down, bottom-up, and peer-to-peer methods. Use of technology such as Skype and videotape is acceptable in the evaluation process of faculty mentors.

Table 1. Core Competencies Required of Mentors in Physical Therapist Residency/Fellowship Education.

Competency ²¹	Description	Core Teaching Competencies			
1 ,	.	(This list, while not prescriptive, provides an overall			
		framework of key teaching competencies that are part of			
		the mentorship process and the continued professional			
		development of mentors.)			
Content Knowledge ^{4,11}	The mentor must be able to instruct and evaluate the resident's/fellow's skills within his or her area of practice expertise. 20,24	 Challenge and facilitate learners in practicing high-quality, compassionate patient care within their field of expertise²¹ Apply established and evolving knowledge of the residency/fellowship curriculum, including clinical knowledge needed for effective care of patients¹¹ Prioritize and multitask patient care issues, including recognition of critical patient care issues⁶ Provide opportunities for additional skill development for learners Assess learners' progress in acquiring knowledge, skills, and attributes^{4,20,21} Challenge learners with graduated responsibility, based on their abilities^{21,23} Facilitate development of learners' clinical reasoning skills, including a collaborative and reflective educational experience for the resident/fellow^{6,11,23-25} 			
Learner Centeredness ^{11,23,26}	The mentor must demonstrate a commitment to the resident's/fellow's success and well-being and assist him or her in that individual's professional roles. 19,24	 Demonstrate respect for the learner^{21,23,28} Explicitly value the learner's contributions to the teaching/learning environment^{1,26} Demonstrate sensitivity²⁹ and responsiveness to the learner as an individual, including respect for his or her privacy, autonomy, and professional boundaries¹⁹ Demonstrate sensitivity and responsiveness to learner diversity, including his or her abilities^{19,20} Demonstrate adaptability by investing in each learner's growth and skill development^{23,26} Elicit each learner's barriers to learning and work to overcome them^{4,21} Recognize when learners are in distress, and provide appropriate resources to assist them^{4,21,23} Create a learning climate in which learning is facilitated^{21,23} Stimulate the best in the learner, while minimizing unwanted behaviors¹⁹ Create an open atmosphere^{19,24} that facilitates dialogue about different approaches to 			
Interpersonal and	The mentor must be	clinical issues Communicate expectations, goals, and information in			
Communication	able to tailor his/her	ways that stimulate and engage learners ^{4,21,22}			
Skills ^{4,20,24,26}	teaching and	Tailor communication and educational strategies to			

	communication to the preferred learning style of the resident/fellow in order to facilitate learning.	 optimize learning, based on the learning context and learner's needs^{21,23,24} Determine each learner's prior knowledge and skills through direct observation or questions²¹ Provide specific, honest feedback to each learner in a caring and constructive manner^{19,21,23,24} Offer both formative and summative feedback to help the learner improve²³ Be open to alternative approaches to problems and issues^{4,21} Engage in problem-solving that is sensitive to the social-culture context of patient care and clinical teaching²¹ Facilitate dialogue and understanding during times of professional conflict²¹
Professional Integrity ¹	The mentor must demonstrate best practices and role- model these behaviors for residents/fellows. ^{4,19,22,28}	 Demonstrate professionalism. Inspire learners to achieve excellence in their field of expertise by modeling professional behaviors^{19,22} Exhibit honesty,⁴ accessibility,⁴ approachability, motivation, accountability,²² supportiveness, encouragement, and respect by peers in the field^{1,19,23} Demonstrate effective leadership behaviors and organizational skills in a collaborative environment Adhere to ethical principles in teaching and practice, demonstrating compassion and integrity^{21,29} Keep up to date on educational practices and resources within field of expertise^{21,26} Remain accountable for actions, and follow through on agreed-upon activities in a timely fashion^{4,21,23}
Practice-based Self-Reflection in and on action ^{11,17,26}	The mentor must demonstrate continuous self-reflection and lifelong learning in order to ensure his/her effectiveness as a teacher. 4,25	 Reflect routinely on education/teaching practices, gather feedback, and develop a plan to improve skills²⁶ Actively seek input and feedback from multiple sources, including learners, ^{19,21} about the quality and effectiveness of one's own teaching. Use feedback and self-assessment to identify teaching strengths and weaknesses²¹ Modify teaching techniques and approaches to improve current educational practice²¹ Reflect upon clinical capabilities, expertise, clinical decision making, and clinical outcomes^{6,26} Maintain expert clinical abilities/skills Enhance clinical expertise Question assumptions Demonstrate reflective clinical decision making⁶ Seek professional development opportunities to improve clinical and teaching skills²⁶ Develop personal educational goals based on self-assessment, and implement a plan to achieve those goals²¹
Systems-based Learning	The mentor must use all available resources in order to create an optimal teaching/learning	Integrate and translate evidence-based practice into patient/client management, including social determinants of health Support teamwork (within and across disciplines) and

	11-1		
environment.	collaboration		
	• Use resources to advocate for learners, coordinate		
	teaching endeavors, and optimize learning environments ^{4,21,24,29}		
	 Seek and use resources within the institution to improve education and the teaching 		
	environment within area of expertise		
	 Seek out and work with others, including 		
	across the health professions, to employ a		
	broad spectrum of resources		
	Obtain resources to succeed in teaching within area of expertise ²¹		
	• Anticipate how trends within field of expertise and		
	health care delivery system will affect clinical practice,		
	and plan for curricular changes to meet those needs ²¹		

Mentor and Mentee (Resident/Fellow) Characteristics: 11,26,29

Again, while the following characteristics are not prescriptive, a positive, successful mentoring relationship will most likely be achieved if the mentor and mentee model them.

Personal:

- Capacity for self-reflection and self-development
- Willingness to learn/teach^{4,24}
- Eagerness to pursue excellence¹¹
- Trusting stance^{4,28}
- Intellectual humility³⁰
- Internal locus of control (the individual feels that he or she can control events that happen)

Interactions:

- Good communicator²⁰
- Values partnership and teamwork
- Demonstrates initiative and motivation^{4,11}
- Confidence to try new patient/client management approaches^{29,30}
- Commitment to learner engagement
- Identifies and provides care with sensitivity to generational and cultural differences.
- Open to feedback⁴
- Able to handle complex patient, provider, and organizational situations
- Able to function competently in uncertain situations (ie, when limited evidence exists, a therapist must make optimally appropriate patient/client management decisions)

Mentor and Mentee Responsibilities (Appendix B):11,24,26

Mentor ^{1,19}	Mentee ²⁹
Commits to mentoring ^{4,11}	Commits to learning ¹¹
	Has the appropriate preparation ⁴ , attention, and
	work habits to incorporate new skills into practice ²¹
Provides resources, experts, and source materials in	Takes the initiative to maximize learning
the field ^{4,26}	opportunities ²³
Offers guidance ²² and direction regarding	Sees the relationship between personal and

professional issues ⁴	professional growth
Encourages and acknowledges mentee's ideas and professional contributions ^{4,26}	Is willing and confident to try new things ^{23,25,29}
Provides constructive and useful critique of the	Schedules time to routinely self-reflect (reflects on
mentee's work and strategies for change ²²	past actions, experiences, and behaviors, then
	considers how they may apply in future contexts
	and uses them as a springboard to improved
C1-11	performance) ^{6,11,23,25} Active learner ⁴
Challenges the mentee to expand his/her abilities ²⁶	Active learner
	Extrapolates (applies knowledge, skills, and attributes—KSAs—to novel contexts, which results in improved or new KSAs) ²³
	Synthesizes (integrates established KSAs with each other or with new KSAs, thereby increasing the depth and/or strength of both) ²³
Provides timely, clear, and comprehensive feedback regarding mentee's performance and development ²³	Accepts feedback and makes change as applicable ⁴
Respects and fosters mentee's independence, ^{20,22}	Takes leadership roles and is willing to act
creativity, and uniqueness ⁴	independently, with minimal direct supervision ²³
	Exercises independence (residents/fellows need opportunities to act independently, with minimal direct supervision, and to take leadership roles) ²³
Shares with mentee the success and benefits of products and activities	Has high job investment

Keys To a Successful Mentoring Relationship^{1,11,19,31}

The key to successful mentoring is the relationship between mentor and mentee.^{4,29} It is not simply the characteristics that each person brings to the relationship, but the behaviors and interactions that occur between the parties.^{4,29}

- 1. Focuses on acquisition of knowledge and development of advanced clinical reasoning skills, in order to competently manage a complex clinical situation
- 2. Consists of 3 components: emotional and psychological support, direct assistance with career and professional development, and role modeling^{4,23}
 - a. Emotional safety (calm temperament, patient, nonjudgmental, easy to approach with questions or concerns)^{4,28}
 - b. Support (provides trust, 4.28 conveys empathy, protects the rights and safety of the resident/fellow, 4 provides encouragement, maintains a positive attitude) 20
 - c. Respect (regards the resident/fellow as a colleague and treats each fairly and appropriately; respects the resident/fellow's goals and circumstances, uniqueness, ideas, work, and contributions)^{4,28}
- 3. Is reciprocal—both mentor and mentee derive emotional or tangible benefits^{4,32}
- 4. Is personal, involving direct interaction,⁴ and informal (emphasizing collegiality and friendliness)^{23,28}

5. Emphasizes the mentor's greater experience, influence, and achievement within a particular organization

IV. Program Responsibilities

Role of the Program Director

The program director oversees the entire mentoring program to ensure its success. He or she establishes appointment and training procedures for new mentors, promotes the professional development and growth of all mentors, creates evaluation procedures for mentors and active participants of the program, and employs knowledge of curriculum design. The program director demonstrates the ability to identify, evaluate, and facilitate a resolution whenever problems occur within the mentor-mentee relationship.^{4,9,23}

Sequencing and Timing of Mentoring

If a resident/fellow-in-training has more than 1 mentor over the course of the program, evaluation of the resident's/fellow-in-training's progression over the course of the program is the responsibility of the individual overseeing the program (eg, the program director or coordinator). Communication must occur between the resident and the program director/coordinator. Also there must be both inter- (mentor to mentor) and intra- (mentor to program director) mentor communication regarding the resident's/fellow-in-training's performance over the course of time.³³ The program director/coordinator is responsible for developing a plan of written and verbal communication regarding the mentoring process for all involved (eg, mentor, resident/fellow-in-training, and program director/coordinator).³

Mentor Development/Growth Through a Lifelong Learning Process

The program must develop and implement a mentor development plan.⁹ At a minimum, it should:

- Help mentors develop and expand their knowledge, skills, and attributes/competencies in being a mentor²³
 - Teach them how to structure and sequence a mentoring session (teaching-learning strategies)
 - o Teach them how to assess mentee learning as it relates to program goals/objectives
 - Ensure their knowledge and understanding of the program's mission, goals, and objectives
 - o Include regular mentor meetings between program and mentors (mentoring moments)
 - o Teach them how to self-evaluate (critical self-evaluation skills)

^{§§} If a program has a lumped in-person mentoring model (eg, part-time programs with scheduled onsite sessions), then that program must provide additional mentoring through electronic methods (eg, email, Skype, phone) during which case discussions regarding patient/client management occurs between these on-site, in-person mentoring session. This additional electronic mentoring session ensures that the program is evaluating the resident/fellow-intraining progression over time.

- Develop themselves and others: Build their skills and capabilities to enhance their performance; seek and apply feedback; share their knowledge and contribute to others' learning
- Help mentors develop effective teaching strategies. Many resources are available. The chart below highlights several—available in print, through organizations' websites, and as continuing education options.

References	Website Resources	Continuing Education
Five-Step Microskills Model ³⁴	Stanford Faculty Development	Faculty Development Workshop
	Center Community Resources	(APTA Academy of Physical
	-	Therapy Education)
Patricia Cranton's Deconstruct to	Accreditation Council for	APTA Educational Leadership
Reconstruct model ³⁵	Graduate Medical Education	Institute Higher Education
		<u>Leadership Fellowship</u>
UCSF Faculty Mentoring	Reflective Practice	Successful Mentorship for
<u>Program</u>	(Minnesota State Colleges and	Residency and Fellowship
	<u>Universities</u>)	Education
Academic Medicine	International Society for the	Teaching Workshops
	Scholarship of Teaching &	(Sanford University School of
	Learning	Medicine)
Medical Teacher	American Association for Higher	Delmar Cengage Learning
	Education & Accreditation	
Journal of Physical Therapy	American Educational Research	Executive Leadership in
Education	Association	Academic Medicine
(APTA Academy of Physical		(<u>Drexel University</u>)
Therapy Education)		
Core Entrustable Professional	Carnegie Foundation for the	Advanced Degrees in Education
Activities for Entering Residency	Advancement of Teaching	
ACGME Outcomes-based	Council for Advancement and	Credentialed Clinical Instructor
Milestones	Support of Education	<u>Program</u>
Please refer to the resources	The Association for Medical	
located within the "Successful	Education in Europe	
Mentorship for Residency and		
Fellowship Education" course		
	National Academies of Practice	

V. Use of Technology

Technology use may be appropriate for some of the mentoring² provided in physical therapy residency and fellowship education. A program should assess the competencies it is looking to instruct and evaluate within the program participant during that particular mentoring session in order to determine if technology use is appropriate. If, for example, the competency relates to skill acquisition occurring during the required mentoring hours when the program participant is the primary provider of care, or when the mentor is treating the patient, mentoring must occur face to face. ***2.3 However, when mentoring is focused on knowledge competencies—as performed during resident/fellow discussion of a shared patient experience, with or without the patient present—technology use may be appropriate. Programs must assess the value of technology use versus face-to-face interaction. ^{2.3}

Programs are reminded to ensure that all faculty and program participants abide by all applicable policies and procedures related to patient confidentiality when technology is used.³⁶

^{***} When technology is used, there can be no immediate control or correction of participant treatment. Therefore, patient safety is at risk if virtual mentoring is occurring during these hours.

^{†††} This may include federal, state, organization, or program policies and procedures.

VI. Tool and Forms

The following documents are provided as templates for use during mentoring. Programs can used them to evaluate the mentoring program, and also as guides to advance their mentoring process. Feel free to copy them for use in your residency or fellowship program.

If you are creating your own evaluation forms, we encourage you to review these forms and the literature for forms established by other health professions to evaluate mentoring.

- 1. **Mentor Abilities and Skills Competency:** The purpose of this form is to ensure that applicants to the program's mentoring faculty meet basic requirements.
- 2. **Mentoring Preparation Form (Appendix B):** A sample of forms are provided for use by the program participant to help develop his or her reflective clinical decision-making abilities.
- 3. **Program Director Evaluation of Mentor (Appendix C):** This form can be used in top-down evaluation of program mentors (program director/coordinator's evaluation of mentor).

It is recommended that the program evaluates mentors after their appointment to the program and on an annual basis thereafter.

- 4. **Program Participant Evaluation of Mentor (Appendix D):** This form can be used in the bottom-up evaluation of program mentors. It also can be used by the program mentor to assess the participant's progression toward becoming an expert clinician.
 - It is recommended this form be completed by the program participant monthly if the participant maintains the same mentor throughout the duration of the program, or after the third mentoring session if the participant changes mentors.
- 5. **Peer Evaluation of Mentor (Appendix E):** This form can be used in lateral evaluation of program mentors (program mentors evaluating each other).
- 6. **Universal Mentor Evaluation (Appendix F):** This form can be used by all evaluators (program director/coordinator, program participant, peer) to provide a 360-degree evaluation of program mentors.

Appendix A. Mentor Abilities and Skills Competency



American Board of Physical Therapy Residency and Fellowship Education

Mentor Abilities and Skills Competency

* The purpose of this form is to ensure that an applicant to the program's mentoring faculty is meeting basic mentor requirements when he or she is being evaluated for appointment.

lucation: ease include add College or	litional degrees in	n your attach	ed curri	• 1			
College or	University			ісиіит і	vitae.		
	Cinversity	Start I (MM/Y)		End (MM/Y		Deg	gree/Major
nysical Therapy ease include add	License:	n your attach	ned curr	iculum 1	vitae.		
State	e of Licensure				License N	umber	•
esidency/Fellows ease include add Name of Program	ship Training: litional residency Area of Pr (Specialty/Sub	ractice	raining Prog Dire	ram	Start I	Date	um vitae. Completio Date (MM/YYY

$\boldsymbol{\alpha}$	4 • 6•	4 •
Cer	titica	itions:

List all certifications and credentials currently held (eg, board certification, clinical instructor certification, other health profession certifications, etc.). Include additional certifications and credentials within your attached curriculum vitae.

ABPTS:

Name of Specialty	Date of Certification	Certification Number	Date of Recertification (if applicable)
			,

Other Certifications:

other certification	/ 110 V			
Name of Certification	Issuing Board or Organization	Date of Certification	Certification Number	Renewal/ Recertification Date (if applicable)

Professional Employment Experience:

List your experience in physical therapy practice for the last 10 years, most recent record first. Please include a brief description of your employment experience, including the types of patient diagnoses seen, within your attached curriculum vitae.

Name of Employer	Location (City, State)	Job Title (clinician, manager, director)	Start Date (MM/YYYY)	End Date (MM/YYYY or Present)

Academic/Clinical Teaching Experience:

List your teaching experience (eg, instructor, adjunct, faculty, mentor, program director, program coordinator, teaching assistant, guest lecturer, lab instructor, etc) for the last 10 years, most recent record first. Please include additional experiences in your attached curriculum vitae.

Name of Institution/Facility /Program Organization/ Conference	Job Title	Title of Session or Course	Start Date (MM/YYYY)	End Date (MM/YYYY)
		_		

Scholarly Activity/Publications:

List all research activities for the last 10 years, most recent record first. Please include additional activities in your attached curriculum vitae.

Name of Research Study/Topic	Name of Journal Research was Published	Presentation Type (platform, poster)	Presentation Date (MM/YYYY)	Presentation Location (City/State)

List your experience as a reviewer of contributed papers or manuscripts:

Name of Journal	Job Title (peer reviewer, editorial board)	Start Date (MM/YYYY)	End Date (MM/YYYY or Present)

Name of Group	Membership Number	Start Date (Year)	End Date (Year or Present)	
Č .	courses taken in the last 5 ye r attached curriculum vitae.	tion of Course	Date Taken	
Name of Cou		(City, State)		
ad associations at the local,	mittees or other active servic state, and national levels. Pl on to this group, as well as a	ease include a br	ief description of	

	nors and Awards:			
List the names of any awards or honors demonstrating your achievement in, and contributions to, physical therapy practice. Include additional honors and awards achieved within your				
	pnysicai inerapy practice. Include d ached curriculum vitae.	iaiiionai nonors ana a	waras acnievea w	ainin your
an	actica curriculum vitac.			
	Name of Award/Honor	Issuing Institution	Organization	Date Received (MM/YYYY)
	ve you taken the Successful Mentered by APTA? Yes No (If yes, please attack)	rship for Residency a a a copy of the course of	_	
For	r Program Use Only:	i a copy of the course c	ernjicate to inis j	orm)
	Trogram ese emy.			
Up	on interview, this individual is able	o:		
1.	Describe and demonstrate the diffe collaborative and reflective question		ous levels of teach	ing (instruction,
	☐Strong Agree ☐ Agree ☐ I	sisagree Strongly	Disagree	
2.	Describe how to provide a structure the learner.	d learning process for t	he mentee that is	tailored toward
	☐Strong Agree ☐ Agree ☐ I	sisagree Strongly	Disagree	
3.	Demonstrate the ability to assimilar patient and provide excellent service		nformation in orde	er to manage a
	☐Strong Agree ☐ Agree ☐ I	sisagree Strongly	Disagree	
	sed on review of the information pro erview, this individual is appropriate			
	☐Strong Agree ☐ Agree ☐ I	sisagree Strongly	Disagree	
	ditional Comments from Program	Director (eg, recomn	nendations for ar	reas needing

Appendix B. Mentoring Preparation Forms.

The Physical Therapy Clinical Reasoning and Reflection Tool (PT-CRT)***

I. Initial Data Gathering/Interview

a. History and present function

REFLECTION POINTS:

- ➤ Assess how the patient's medical diagnosis affects your interview.
- ➤ How might your personal biases/assumptions affect your interview?
- > Assessing the information you gathered, what do you see as a pattern or connection between the symptoms?
- ➤ What is the value of the data you gathered?
- ➤ What are some of the judgments you can draw from the data? Are there alternative solutions?
- ➤ What is your assessment of the patient's/caregiver's knowledge and understanding of their diagnosis and need for PT?
- > Have you verified the patient's goals and what resources are available?
- ➤ Based on the information gathered, are you able to assess a need for a referral to another health care professional?

II. Generation of Initial Hypothesis

- a. Body structures/functions
- b. Impairments
- c. Activity limitations
- d. Participation restrictions

- > Can you construct a hypothesis based on the information gathered?
- ➤ What is that based on (biases, experiences)?
- ➤ How did you arrive at the hypothesis? How can you explain your rationale?
- > What about this patient and the information you have gathered might support your hypothesis?
- ➤ What do you anticipate could be an outcome for this patient (prognosis)?
- > Based on your hypothesis, how might your strategy for the examination be influenced?
- ➤ What is your approach/planned sequence/strategy for the examination?
- > How might the environmental factors affect your examination?
- How might other diagnostic information affect your examination?

^{***} PT=physical therapy, ICF=International Classification of Functioning, Disability and Health.

III. Examination

a. Tests and Measures

- > Appraising the tests and measures you selected for your examination, how and why did you select them?
- > Reflecting on these tests, how might they support/negate your hypothesis?
- ➤ Can the identified tests and measures help you determine a change in status? Are they able to detect a minimum clinically important difference?
- ➤ How did you organize the examination? What might you do differently?
- > Describe considerations for the psychometric properties of tests and measures used.
- > Discuss other systems not tested that may be affecting the patient's problem.
- ➤ Compare your examination findings for this patient with another patient with a similar medical diagnosis.
- ➤ How does your selection of tests and measures relate to the patient's goals?

IV. Evaluation

HEALTH CONDITION			

BOD	BODY STRUCTURES/FUNCTION (IMPAIRMENTS)	

AL IIIAL	Limitations
Abilities	Limitations

PAKII	CIPATION
Abilities	Restrictions

	ENVIRON	IMENTAL	
Inte	rnal	Ext	ernal
+	-	+	

(Continued)

IV. Evaluation (continued)

- a. Diagnosis
- b. Prognosis

REFLECTION POINTS:

- ➤ How did you determine your diagnosis? What about this patient suggested your diagnosis?
- ➤ How did your examination findings support or negate your initial hypothesis?
- ➤ What is your appraisal of the most important issues to work on?
- ➤ How do these relate to the patient's goals and identified issues?
- ➤ What factors might support or interfere with the patient's prognosis?
- ➤ How might other factors such as bodily functions and environmental and societal factors affect the patient?
- ➤ What is your rationale for the prognosis, and what are the positive and negative prognostic indicators?
- ➤ How will you go about developing a therapeutic relationship?
- ➤ How might any cultural factors influence your care of the patient?
- ➤ What are your considerations for behavior, motivation, and readiness?
- ➤ How can you determine capacity for progress toward goals?

V. Plan of Care

- a. Identify short-term and long-term goals
- b. Identify outcome measures
- c. PT prescription (frequency/intensity of service, include key elements)

- > How have you incorporated the patient's and family's goals?
- ➤ How do the goals reflect your examination and evaluation (ICF framework)?
- ➤ How did you determine the PT prescription or plan of care (frequency, intensity, anticipated length of service)?
- ➤ How do key elements of the PT plan of care relate back to primary diagnosis?
- ➤ How do the patient's personal and environmental factors affect the PT plan of care?

VI. Interventions

- a. Describe how you are using evidence to guide your practice
- b. Identify overall approach/strategy
- c. Describe and prioritize specific procedural interventions
- d. Describe your plan for progression

- > Discuss your overall PT approach or strategies (eg, motor learning, strengthening).
- ➤ How will you modify principles for this patient?
- > Are there specific aspects about this particular patient to keep in mind?
- ➤ How does your approach relate to theory and current evidence?
- > As you designed your intervention plan, how did you select specific strategies?
- > What is your rationale for those intervention strategies?
- ➤ How do the interventions relate to the primary problem areas identified using the ICF?
- ➤ How might you need to modify your interventions for this particular patient and caregiver? What are your criteria for doing so?
- ➤ What are the coordination of care aspects?
- ➤ What are the communication needs with other team members?
- ➤ What are the documentation aspects?
- ➤ How will you ensure safety?
- ➤ Patient/caregiver education:
- ➤ What are your overall strategies for teaching?
- ➤ Describe learning styles/barriers and any possible accommodations for the patient and caregiver.
- ➤ How can you ensure understanding and buy-in?
- What communication strategies (verbal and nonverbal) will be most successful?

VII. Reexamination

a. When and how often

REFLECTION POINTS:

- > Evaluate the effectiveness of your interventions. Do you need to modify anything?
- ➤ What have you learned about the patient/caregiver that you did not know before?
- > Using the ICF, how does this patient's progress toward goals compare with that of other patients with a similar diagnosis?
- > Is there anything that you overlooked, misinterpreted, overvalued, or undervalued, and what might you do differently? Will this address any potential errors you have made?
- ➤ How has your interaction with the patient/caregiver changed?
- ➤ How has your therapeutic relationship changed?
- > How might any new factors affect the patient outcome?
- ➤ How do the characteristics of the patient's progress affect your goals, prognosis, and anticipated outcome?
- ➤ How can you determine the patient's views (satisfaction/frustration) about his or her progress toward goals? How might that affect your plan of care?
- How has PT affected the patient's life?

VIII. Outcomes

a. Discharge plan (include follow-up, equipment, school/work/community re-entry, etc)

- > Was PT effective, and what outcome measures did you use to assess the outcome? Was there a minimum clinically important difference?
- ➤ Why or why not?
- > What criteria did you or will you use to determine whether the patient has met his or her goals?
- ➤ How do you determine the patient is ready to return to home/community/work/school/sports?
- ➤ What barriers (physical, personal, environmental), if any, are there to discharge?
- ➤ What are the anticipated life-span needs, and what are they based on?
- > What might the role of PT be in the future?
- ➤ What are the patient's/caregiver's views of future PT needs?
- ➤ How can you and the patient/caregiver partner together for a lifetime plan for wellness?

IX. Mentor Feedback:	
Strengths:	
Onnortunities for development:	

UPMC Centers for Rehab Services Physical Therapy Residency Program Mentoring Prep Form

Resident's Name:		Date:
Patient's Initials	Age:	Start of Care:
Primary Diagnosis:		Date of Surgery:
Differential Diagnoses:		
Functional Limitations:		
I diletional Emmations.		
, , , , , , , , , , , , , , , , , , ,		
Key Impairments:		
Treatment Approach:		
Expected Outcome:		
Response to Current Treatment:		
Response to Current Treatment.		
D 11 (2 D) 1 D 14		
Resident's Discussion Points: 1.		
1.		
2.		
Alteria Grand Professional		
Alternate Case to Review:		
Mentor Feedback The resident demonstrated appropriate:	Take 1.	Home Points of Session:
☐ Introduction of Mentor and Session	2.	
☐ Presentation of Clinical Case	3.	
☐ Professional Behaviors		
Mentor Comments:		
☐ Follow-Up Required		
Due Date:		
Mentor:		
Primary Provider of Treatment: Resident	□ Mentor	Total Time:
	Date:	
Mentor's signature		

Patient Presentation Form

(for patients to be seen with mentor)

Date: Patient's Name	Age
Occupation/Recreational Status-Goals	
Current Status:	
Condition Severity:	
Condition Irritability:	<u>-</u>
Condition Nature:	_
Condition Stage/Stability:	
Current Outcome Score:	
Subjective Status:	
Current Asterisk Sign	
Objective Status: (posture/biomechanics, mobility; stability/strength, swelling/effusion, etc)	
What intervention have you performed to date?	
What is the current home program?	
What has been successful? (Rationalize why you think this patient has progressed or not)	
What is your progression plan?	
What additional resources/referrals/consultations do you need?	
What do you feel you need guidance/assistance with?	

Program Director's Evaluation of Mentor

MentorEvaluator			Score Date	%		
Ľ١	vaiuau	J1	Date			
	Ratin	g scale Key				
	3 2 1	excellent: mastery demonstrated very good: exceeds minimal expectations good: meets minimal expectations fair: needs improvement to more consistently r poor: does not meet minimal expectations		ectations		
		criteria not a focus of observed mentoring sessi				
	Any ir contir indica	ors must attain an 80% score, or a remediation plan was dividual criteria with a score of "3" or "2" also may regent upon successful completion of an agreed-upon te at the bottom of the form what other methods we nation. If a score of 3 or below is noted, a comment is	equire remediation. Co remediation plan. For i ere employed by the pr	ontinuation i items marke	as a mentor will ed "Not Observe	be d," please
	ESTAB	LISHMENT OF MENTORING RELATIONSHIP				
1.	An effe	ective mentoring relationship is established	. n/o	never	seldom someti 2 3	
	□ 5	"Always": Mentor demonstrates excellent Mentor always establishes a supportive, he that facilitates learning for both the ment accurately and effectively tailoring mento thought and creativity are encouraged.	nonest, attentive, " or and mentee. Me	safe," col entor alw	laborative rela ays is learner-	ationship centered,
	□ 4	"Often": Mentor consistently demonstrat supportive, honest, attentive, "safe," colla both mentor and mentee. Mentor is cons effectively tailoring mentoring to meet th	aborative relations istently learner-cer	hip that fant fant ntered, ac	acilitates lear ccurately and	ning for
	□ 3	"Sometimes": Mentor inconsistently dem a supportive, honest, attentive, "safe," co both mentor and mentee. At times he or	llaborative relation she may be overly	nship that directive,	facilitates lea	rning for
	□ 2	Independent thought or creativity may no "Seldom": Mentor rarely or never demonseffective mentoring relationship. Mentor demonstrate an imbalance in time spent to	strates behaviors t is primarily teache teaching/directing	hat contri r-centere the reside	d and may ent/fellow, ve	
	□ 1	mentoring focused on encouraging indeperation "Never": Mentor does not demonstrate befrective mentoring relationship. Mentor	ehaviors that conti	ribute to (establishing a	n

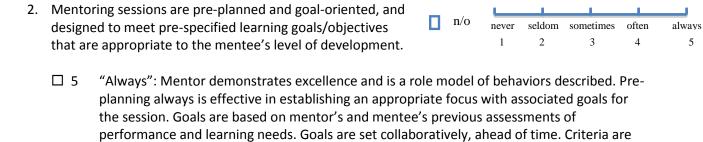
0/0

demonstrate an imbalance in time spent teaching/directing the resident/fellow, versus mentoring focused on encouraging independent thought and creativity.

Comments:

ESTABLISHMENT OF STRUCTURED, PRE-PLANNED, GOAL-ORIENTED MENTORING

agreed upon to determine how well goals are being achieved.



- ☐ 4 "Often": Pre-planning is effective in establishing an appropriate focus with associated goals for the session. Goals are based on mentor's and mentee's previous assessments of performance and learning needs. Goals are set collaboratively, ahead of time. Criteria are agreed upon to determine how well goals are being achieved.
- □ 3 "Sometimes": Pre-planning is effective in establishing appropriate goals. Goals are usually but not always set ahead of time. Goals and/or achievement criteria setting may not always be the result of collaborative discussion. Criteria are not always effectively developed to determine the level of goal achievement.
- □ 2 "Seldom"": Pre-planning is seldom organized or focused. Sessions are not consistently goaloriented. Goal setting is rarely collaborative. Criteria are rarely agreed upon to determine the level of goal achievement.
- □ 1 "Never": Pre-planning is unorganized or unfocused, or does not occur at all. Sessions are not explicitly or implicitly goal-oriented. Goal setting is not collaborative. Criteria are not agreed upon to determine the level of goal achievement.

Comments:

- 3. Mentoring sessions include a debriefing discussion that encourages the resident/fellow to critically reflect (accurately identify strengths and deficits, question assumptions, identify blind spots or knowledge gaps) on level of goal achievement, and to identify and evaluate other relevant performance and/or clinical reasoning-oriented issues. The mentor strikes an appropriate balance between teaching and mentoring, based on the student's level of performance.
 - ☐ 5 "Always": Mentor demonstrates excellence and is a role model of the behaviors described.

 Discussion always is focused and organized. Accurate feedback is given on the depth,

always

breadth, and accuracy of the mentee's self-assessment. Other issues (beyond set goals) that arise during the session are appropriately acknowledged, and feedback is given. Mentee is always facilitated in critical self-reflection, and discussion includes explicit links to ongoing development and adjustment of goals. Feedback is timely, constructive, detailed/explicit, formative and/or summative (as appropriate), and is delivered in an honest, supportive manner. \Box 4 "Often": Discussion is consistently focused and organized. Accurate feedback is given on depth, breadth, and accuracy of mentee's self-assessment. Other issues (beyond set goals) that arise during the session are appropriately acknowledged ,and feedback is given. Mentee is facilitated in critical self-reflection, and discussion includes explicit links to ongoing development and adjustment of goals. Feedback is timely, constructive, detailed/explicit, formative and/or summative (as appropriate), and is delivered in an honest, supportive manner. □ 3 "Sometimes": Discussion is sometimes unfocused and/or unorganized. Feedback is usually given accurately and is focused on the mentee's self-assessment. Mentoring effectively facilitates critical self-reflection; mentor may not always recognize or effectively address assumptions or blind spots. Occasionally, links to mentee's overall development and further goals may be lacking. Some feedback may be offered too early or too late for optimal learning. Feedback may occasionally lack in specificity or clarity. □ 2 "Seldom": Debriefing discussion is seldom focused and/or organized. Evaluation of performance may be unduly mentor-driven, lacking in a focus on resident's/fellow's critical self-assessment. Explicit links are lacking to level of achievement of pre-set goals and/or development of future ones. Feedback is nonspecific, lacks clarity, and may be delivered in ways that are not constructive or are not supportive. \square 1 "Never": Debriefing discussion is consistently unfocused and/or disorganized. Evaluation of performance is inadequate or unclear, and is overly focused on the mentor's evaluation. Evaluation lacks appropriate incorporation of resident's/fellow's critical self-assessment. Explicit links are lacking to level of achievement of pre-set goals and/or development of future ones. Feedback is nonspecific, lacks clarity, and may be delivered in ways that are not constructive or are not supportive. Comments: **FOCUS OF MENTORING SESSIONS** Facilitation of metacognition/reflection-in-action never seldom sometimes often 1 2 3 centered and is focused on facilitating development of the mentee's

4. Mentoring during patient encounters is appropriately learneralwavs 5 metacognition and reflection-in-action ("asking" more than "telling"). Teaching (guiding, demonstrating) is employed appropriately. Mentor is focused on effectively assessing the extent to which mentee can "think on his/her feet." Mentees are free to struggle with uncertainty and are encouraged to engage in trial and error.

□ 5 "Always": Mentor demonstrates excellence and is a role model of behaviors described. Mentor is skilled in making an accurate "educational diagnosis" of learner's needs in the

□ 4 □ 3 □ 2 □ 1	in the moment, and appropriately focuses on facilitating mentee's progress toward goals through questioning that reveals metacognition (thinking about thinking) and reflection-in-action to stimulate learning through trial and error, as the situation evolves. "Sometimes": Mentor attempts to make an "educational diagnosis" and is usually but is not always accurate in assessing the learner's needs as the session evolves. Mentor usually but not always succeeds in facilitating mentee's clinical reasoning and critical reflection through questioning. Mentor occasionally jumps in/inappropriately takes over and/or is directive, rather than letting mentee engage in trial and error. "Seldom": Mentor is seldom successful in accurately determining the mentee's learning deficits and needs as the session evolves. Mentor rarely focuses session on revealing/developing mentee's metacognitive abilities. Mentor seldom encourages trial and error, and may take unwarranted control of the session.					
Comme	ents:					
Focus/s	stion of skills development scope of mentoring is appropriately comprehensive dresses learning goals related to skills development, sified by program's mission, goals, and objectives.					
□ 5	"Always": Mentor demonstrates excellence and is a role model of behaviors described. Focus of mentoring always relates to advancing skill development, in all appropriate aspects					
□ 4	of skills performance. "Often": Focus of mentoring consistently relates to advancing skill development, in all appropriate aspects of skills performance.					
□ 3						
□ 2	"Seldom": Focus of mentoring routinely is not related to advanced skill development. Mentoring seldom focuses adequately on all aspects of skills performance, or on learning goals.					
□ 1	"Never": Mentoring is not related to advanced skill development or all aspects of skills performance. Mentoring routinely fails to focus on learning goals.					
Comme	ents:					

5.

	-	and the second s							
6.	Focus/ pre-spe	scope of mentoring includes learner-centered, ecified goals related to developing proficiency in unication (with patients/clients, peers, other health	n/o	1	2		times	often 4	alway
	□ 5	"Always": Mentor demonstrates excellence and is Focus of mentoring includes attention to developing relevant contexts.	a role mo	del of b	ehavior				
	□ 4	"Often": Mentoring consistently devotes appropria communication (in relevant contexts).	ate attent	ion to d	evelopi	ng prof	iciency	' in	
	□ 3	"Sometimes": Mentoring inconsistently devotes approficiency in communication (in relevant contexts	-	e attent	ion to d	evelopi	ng		
	□ 2	"Seldom": Mentoring seldom devotes appropriate communication (in relevant contexts).	attention	to deve	eloping	proficie	ency in		
	□ 1	"Never": Mentoring routinely fails to devote approin communication (in relevant contexts).	priate att	ention [•]	to deve	loping p	oroficie	ency	
	Comm	ents:							
7.	Focus/ addres	scion of clinical reasoning development scope of mentoring is appropriately comprehensive ses learning goals related to the development of adresoning. ¹		n/o	never	seldom :	sometime 3	s often	alwa
	□ 5	"Always": Mentor demonstrates excellence and is When appropriate, mentoring always relates to de Mentor incorporates relevant clinical reasoning str patient/client encounter.	velopmer	nt of adv	vanced	clinical	reason	_	
	□ 4	"Often": Mentoring consistently relates to develop Mentor incorporates relevant clinical reasoning str patient/client encounter.					_	:he	
	□ 3	"Sometimes": Mentoring does not always relate to occasionally stray, without sufficient rationale, from				_	-	g	

relevant to the patient/client encounter.

goals. Mentoring may be inconsistent in addressing all clinical reasoning strategies that are

	□ 2	"Seldom": Mentoring infrequently relates to advanced clinical reasoning or learning goals. There is little discussion of relevant clinical reasoning strategies.
	□ 1	"Never": Mentoring is not related to advanced clinical reasoning, learning goals, or the most relevant clinical reasoning strategies.
		Clinical Reasoning Strategies Model¹: Diagnostic reasoning Narrative reasoning Collaborative reasoning Procedural reasoning Interactive reasoning Teaching as reasoning Predictive reasoning Ethical reasoning
		¹ Edwards I, Jones M, Carr J, Braunack-Mayer A, Jensen G. Clinical Reasoning Strategies in Physical Therapy. <i>Phys Ther</i> . 2004;84:312-335.
	Coi	mments:
	tings fo sident(s	r the following 3 criteria are achieved indirectly through interview(s) with).
Fa (8.	Focus/s	of consultation skills scope of mentoring includes learner-centered, n/o never seldom sometimes often always of the patients/clients, peers, other health care team members).
	□ 5	"Always": Mentor demonstrates excellence and is a role model of behaviors described. In all relevant contexts, mentoring always includes appropriate attention to developing consultation skills.
	□ 4	"Often": In all relevant contexts, mentoring consistently includes appropriate attention to developing consultation skills.
	□ 3	"Sometimes": In all relevant contexts, mentoring inconsistently includes appropriate attention to developing consultation skills.
	□ 2	"Seldom": In all relevant contexts, mentoring infrequently includes appropriate attention to developing consultation skills.
	□ 1	"Never": In all relevant contexts, mentoring routinely fails to pay appropriate attention to developing consultation skills.
	Comme	ents:

Facilitation of appropriate integration of research evidence into practice

9. Focus/scope of mentoring appropriately focuses on evaluating

vever seldom sometimes often always

1 2 3 4 5

This form is the property of N. Christensen and J. Tonley, for Kaiser Permanente Southern California rnysica Fellowship Programs, 2014.

	and integrating current research evidence into practice.				
	□ 5	"Always": Mentor demonstrates excellence and is a role model of behaviors described. When appropriate, mentor always incorporates the appropriate evaluation, determination, and application of current research evidence into patient/client examination, management, prognosis, and outcomes assessment.			
	□ 4	"Often": When appropriate, mentor consistently incorporates the appropriate evaluation, determination, and application of current research evidence into patient/client examination, management, prognosis, and outcomes assessment.			
	□ 3	"Sometimes": Even when appropriate, mentor does not always incorporate the appropriate evaluation, determination, and application of current research evidence into patient/client examination, management, prognosis, and outcomes assessment.			
	□ 2	"Seldom": Even when appropriate, mentor infrequently incorporates the appropriate evaluation, determination, and application of current research evidence into patient/client examination, management, prognosis, and outcomes assessment.			
	□ 1	"Never": Even when appropriate, mentor fails to incorporate the appropriate evaluation, determination, and application of current research evidence into patient/client examination, management, prognosis, and outcomes assessment.			
	Comme	ents:			
Facilitation of professionalism, leadership, collaboration, and self-directed learning skills 10. Focus/scope of mentoring includes learner-centered, pre-specified goals related to development of professionalism, leadership, collaboration, and self-directed learning skills consistent with program's mission, goals and objectives.					
	□ 5	"Always": Mentor demonstrates excellence and is a role model of behaviors described. Mentoring always is appropriately attentive to the development of professionalism, leadership, collaboration, and/or self-directed learning skills.			
	□ 4	"Often": Mentoring consistently is appropriately attentive to the development of professionalism, leadership, collaboration, and/or self-directed learning skills.			
	□ 3	"Sometimes": Mentoring inconsistently is appropriately attentive to the development of professionalism, leadership, collaboration, and/or self-directed learning skills.			
	□ 2	"Seldom": Mentoring infrequently is appropriately attentive to the development of professionalism, leadership, collaboration, and/or self-directed learning skills.			
	□ 1	"Never": Mentoring is not appropriately attentive to the development of professionalism, leadership, collaboration, and/or self-directed learning skills.			
	Comme	ents:			

For those items marked "Not Observed," please indicate what other methods were used by the program director to evaluate this information. Provide documentation as appropriate.

"n/o"	Methods utilized to evaluate	Plan and timeline for future evaluation
Criteria #	(other than direct observation)	(if evaluation not completed)

Remediation Plan Documentation:

Appendix D. Program Participant Evaluation of Mentor.

Mentor Evaluation by Program Participant

M	entor			Date			
Εī	aluator						
L		A Agree D Disagr SD Strong N/O Criteri ******* Mentors mus place. In addi establish a fa effectiveness completion o	ee gly Disagree a not a focus of continuation tistattain an "Agree' tion, for any critericulty development Continuation as a f an agreed-upon r	' score, or a remedia with a score of "A plan to further end mentor will be concemediation plan. If	ng session ******* ation plan will be put in Agree," the program may nance the mentor's skills and tingent upon successful the score is "disagree" or		
			agree," a comment	<u> </u>]	
ES	TABLISHMENT (OF MENTORII	NG ENVIRONMI	ENT			
1.							
	SA	A	□ D	SD	□ N/O		
	Comments:						
2.			-		ragement (eg, demonstr me in the progression of		
	SA	□ A	□ D	SD	□ N/O		
	Comments:						
3.					ess (eg, demonstrated ac a learning climate that f		
	SA	A	D	SD	□ N/O		

	Comments:				
4.					moted collegiality and friendliness (eg, t different approaches to clinical issues).
	SA	A	D	SD	□ N/O
	Comments:				
5.	comprehensive	e feedback on	my performand	e and developm	provided timely, clear, and lent; was regularly accessible; was a timely fashion on agreed-upon
	SA	A	D	SD	□ N/O
	Comments:				
6.	teaching/learn	ing environme	•	ed sensitivity to	y valued my contribution to the me as an individual, and respected my
	SA	A	D	SD	□ N/O
	Comments:				
EFF	ECTIVENESS OF	MENTOR			
1.					ected and fostered my creativity and based on my abilities).
	SA	A	D	SD	☐ N/O
	Comments:				
2.	reasoning skills encouraged me	s by providing e to assess my	me with a colla clinical capabil	borative and ref	r, facilitated development of my clinical lective educational experience; , clinical decision-making abilities, and nical expertise).
	SA	A	D	SD	□ N/O

3.	new contexts (eg, to apply K	SAs to novel cor	ntexts, and thus	knowledge, skills and abilities (KSAs) to improve established KSAs and develop passionate patient care.
	SA	A	D	SD	☐ N/O
	Comments:				
ME	NTOR CHARAC	TERISTICS ANI	D BEHAVIORS		
1.	The mentor of	fered guidanc	e and direction	regarding profes	sional issues.
	SA	A	D	SD	□ N/O
	Comments:				
2.	The mentor pr	ovided constru	uctive and usefu	ul critiques of my	work and offered strategies for change.
	SA	A	D	SD	☐ N/O
	Comments:				
3.	The mentor pr	ovided timely,	. clear, and com	prehensive feed	back on my performance and
	SA	ПА	□ D	SD	□ N/O
	Comments:				
4.	The mentor sh	ared with me	the success and	benefits of the	work achieved.
	SA	A	□ D	SD	☐ N/O
	Comments:				
5.	The mentor m	odeled profes	sional behaviors	5.	
	SA	A	D	SD	☐ N/O

ADDITIONAL FINDINGS

- 1. The most valuable aspects of the mentoring sessions were:
- 2. One thing I would change about the mentoring sessions was:
- 3. Additional comments:

Mentor Evaluation by Peer

M	entor			Date		
Ει	aluator					
		Rating sca	е Кеу			
		SA Stron A Agree D Disag SD Stron N/O Criter ******* Mentors mu place. In add establish a f effectivenes completion	gly Agree ree gly Disagree ria not a focus of ********** ist attain an "Agree dition, for any crite aculty developmer is. Continuation as	**************************************		
1.	The mentor de community, ar			n through the o	contributions he/she m	akes to the program
	SA	□ A	□ D	SD	□ N/O	
	Identify specif	ic contributio	ons for which y	ou feel this fac	ulty member should be	recognized:
2.	The mentor de	emonstrates	effective teach	ing, mentoring	, and curriculum-develo	opment skills.
	SA	A	D	SD	□ N/O	
	Identify areas	of strength i	n his/her teach	ing, mentoring	, and/or other curriculu	ım activities.
3.	The mentor se	eks professi	onal developme	ent opportunit	ies to improve his/her o	clinical and teaching
	SA	□ A	D	SD	□ N/O	
	Identify areas	for continue	d professional o	development/g	rowth:	

4.	. The mentor supports teamwork (within and across disciplines) and collaboration of care.					
	SA	A	□ D	SD	□ N/O	
	Comments:					
5.		-		g and communic ticipant, facilitat	cation (verbal and written) to the cing learning.	
	SA	A	□ D	SD	□ N/O	
	Comments:					
6.	and effectiven	ness of his/her	teaching from		ks input and feedback about the quality s, including the learner; shares this self- ng of others).	
	SA	A	D	SD	□ N/O	
	Comments:					
7.	fashion (eg, ta	ikes ownershi	•	ents, teaching/m	follows through activities in a timely entoring skills, and how these skills	
	SA	A	D	SD	□ N/O	
	Comments:					
8.	The mentor is providers/cust		providing servi	ce to team mem	nbers, residents/fellows and other	
	SA	A	□ D	SD	□ N/O	
	Comments:					

evolu	The mentor demonstrates innovation in teaching and practice (eg, contributes to the ongoing evolution of the curriculum through innovative teaching practices and/or his/her recommendations for change).							
☐ SA	A	D	SD					
Comment	s:							

Universal Mentor Evaluation

lentor	Date
valuator	
	Rating scale Key
	SA Strongly Agree A Agree D Disagree SD Strongly Disagree N/O Criteria not a focus of observed mentoring session ************************************
	Mentors must attain an "Agree" score, or a remediation plan will be put in place. In addition, for any criteria with a score of "Agree," the program may establish a faculty development plan to further enhance the mentor's skills and effectiveness. Continuation as a mentor will be contingent upon successful completion of an agreed-upon remediation plan. If the score is "disagree" or "strongly disagree," a comment is required.
ENTOR COMPET	ENCIES
Sample Behave Challenge care with A Company A	es and facilitates learners in practicing high-quality, compassionate patient in his/her field of expertise pplies established and evolving knowledge of the residency/fellowship urriculum, including the clinical knowledge necessary to effectively care for atients rioritizes and multitasks patient-care issues, including the recognition of ritical matters rovides learners with opportunities for additional skill development learners' progress in acquiring knowledge, skills, and attributes earners with graduated responsibility based on their abilities is development of learners' clinical reasoning skills; includes providing the
resident/ resident/	fellow with a collaborative and reflective educational experience for the fellow
SA Comments:	□ A □ D □ SD □ N/O

respects learner's privacy, autonomy, and professional boundaries Demonstrates sensitivity and responsiveness to learner diversity, including specific learner abilities Demonstrates adaptability by investing in learner's growth and skill development Determines each learner's barriers to learning and works to overcome them Recognizes learners in distress and provides appropriate resources to assist them Creates a climate in which learning is facilitated Stimulates the best in the learner, while minimizing unwanted behaviors Creates an open atmosphere that facilitates dialogue about different approaches to clinical issues SA		
environment Demonstrates sensitivity and responsiveness to the learner as an individual respects learner's privacy, autonomy, and professional boundaries Demonstrates sensitivity and responsiveness to learner diversity, including specific learner abilities Demonstrates adaptability by investing in learner's growth and skill development Determines each learner's barriers to learning and works to overcome them Recognizes learners in distress and provides appropriate resources to assist them Creates a climate in which learning is facilitated Stimulates the best in the learner, while minimizing unwanted behaviors Creates an open atmosphere that facilitates dialogue about different approaches to clinical issues SA A D NO mments: Perpersonal and communication Skills: The mentor tailors his/her teaching and communicates expectations, goals, and information in ways that stimulate and engage learners Tailors communication and educational strategies to optimize learning, based on the context and the learner's needs Determines each learner's current knowledge and skills through direct observation or questions Provides specific, honest feedback to each learner in a caring and constructive manner	0	nstrates respect for the learner
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approaches to clinical issues SA	0	
SA A D D SD N/O mments: erpersonal and communication Skills: The mentor tailors his/her teaching and communication preferred learning style of the resident/fellow, facilitating learning. emple behaviors: Communicates expectations, goals, and information in ways that stimulate and engage learners Tailors communication and educational strategies to optimize learning, based on the context and the learner's needs Determines each learner's current knowledge and skills through direct observation or questions Provides specific, honest feedback to each learner in a caring and constructive manner	0	
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Is open to alternative approaches to problems and issues	Sample be Commengage Tailors contex Deterr or que Provid manne	haviors: unicates expectations, goals, and information in ways that stimulate and e learners communication and educational strategies to optimize learning, based on the ct and the learner's needs mines each learner's current knowledge and skills through direct observation stions es specific, honest feedback to each learner in a caring and constructive er both formative and summative feedback to help the learner improve
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racilitates dialogue and understanding during times of professional conflict	Sample be Commengage Tailors contex Deterr or que Provid manne Offers Is oper	haviors: unicates expectations, goals, and information in ways that stimulate and elearners communication and educational strategies to optimize learning, based on the st and the learner's needs mines each learner's current knowledge and skills through direct observation stions es specific, honest feedback to each learner in a caring and constructive er both formative and summative feedback to help the learner improve n to alternative approaches to problems and issues es in problem-solving that is sensitive to the social-culture context of patient and clinical teaching
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Sample b	ehaviors:				
				excellence in their field of	
•	•	ing profession			
	•	• • • •	•	tivation, accountability, eted by peers in field	
		_		organizational skills, in a	
	orative enviro		p benaviors and c	ngamzationar skins, in a	
	res to ethical	principles in te	aching and pract	ce, demonstrating compassion	on
		n educational _l	practices and reso	ources within field of expertis	se
• Is acc	ountable for h	nis/her actions	, and follows thro	ough on agreed-upon activitie	es in a
timel	y fashion				
SA	Па	Пр	SD	□ N/O	
				tor is committed to continuo er effectiveness as a teacher	
Sample b Regu devel	nd lifelong lea ehaviors: arly reflects u ops a plan to Actively sea	pon his/her edimprove his/he	to improve his/h ducation/teaching er skills eedback from mu		·.
Sample b Regu devel	ehaviors: arly reflects u ops a plan to Actively see learners , a Employs fe	pon his/her ed improve his/he eks input and f bout the quali edback and se	to improve his/h ducation/teaching er skills feedback from mu ty and effectiven	er effectiveness as a teacher g practices, gathers feedback, ultiple sources, including the	, and
Sample b • Regu devel	ehaviors: arly reflects u ops a plan to Actively see learners , a Employs fe and weakn Modifies hi	pon his/her edimprove his/he eks input and fout the qualied back and seesses	to improve his/h ducation/teaching er skills feedback from mu ty and effectivend lf-assessment to	er effectiveness as a teacher g practices, gathers feedback, ultiple sources, including the ess of his/her teaching	, and
Sample b Regu devel	ehaviors: arly reflects u ops a plan to Actively see learners , a Employs fe and weakn Modifies hi educationa	pon his/her edimprove his/he eks input and fout the qualied back and seesses is/her teaching arms.	to improve his/h ducation/teaching er skills eedback from mu ty and effectivend lf-assessment to g techniques and	g practices, gathers feedback, ultiple sources, including the ess of his/her teaching identify his/her teaching streapproaches to improve	, and
Sample b Regu devel	ehaviors: arly reflects u ops a plan to Actively see learners , a Employs fe and weakn Modifies hi educationa	pon his/her edimprove his/heeks input and fout the qualiedback and seesses is/her teaching practice	to improve his/h ducation/teaching er skills eedback from mu ty and effectivend lf-assessment to g techniques and	g practices, gathers feedback, ultiple sources, including the ess of his/her teaching identify his/her teaching stre	, and
Sample b Regu devel	ehaviors: larly reflects u ops a plan to i Actively see learners , a Employs fe and weakn Modifies hi educationa cts upon his/h linical outcom	pon his/her edimprove his/heeks input and fout the qualiedback and seesses is/her teaching practice	to improve his/haction/teachinger skills feedback from muty and effectivend If-assessment to g techniques and abilities, expertise	g practices, gathers feedback, ultiple sources, including the ess of his/her teaching identify his/her teaching streapproaches to improve	, and
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Sample b Regu devel Refle and c Ques Demo Seeks	ehaviors: larly reflects u ops a plan to i Actively see learners , a Employs fe and weakn Modifies hi educationa cts upon his/h linical outcom Maintains e Advancing tions his/her a onstrates refle	pon his/her edimprove his/her edimprove his/her edimers and feets input and feets esses is/her teaching er clinical capates expert clinical capates expert clinical assumptions ective clinical development deducational go	to improve his/haducation/teaching er skills feedback from muty and effectivend If-assessment to a stechniques and a abilities, expertise abilities/skills expertise ecision-making opportunities to i	g practices, gathers feedback, ultiple sources, including the ess of his/her teaching identify his/her teaching streapproaches to improve e, clinical decision-making ab	, and ngths illities,

Sample be	haviors:			
Integr	ates and trans	slates evidence	e-based practice	(including social determinants of
health) into patient	/client manage	ement	
Suppo	rts teamwork	(within and ac	ross disciplines)	and collaboration
Uses r	esources to a	dvocate for lea	rners, coordinat	te teaching endeavors, and
optim	ze learning ei	nvironments		
0				ution to improve education and th
	_		hin the area of e	•
0			ers, within physions of re	cal therapy and across the health sources
• Obtair	•	vithin area of e	•	
			•	ertise and the health care delivery
			•	cular changes to meet those needs
syster	I WIII alleet ci			

MENTOR CHARACTERISTICS

The mentor displays the following personal characteristics and interactions while teaching:

Personal:

- Capacity for self-reflection and self-development
- Willingness to learn
- Eagerness to pursue excellence
- Trusting nature
- Intellectual humility
- Internal locus of control as defined in the Mentoring Resource Manual

Interactions:

- Good communicator
- Values partnership and teamwork
- Demonstrates initiative and motivation
- Confident to try new patient/client management approaches
- Committed to learner engagement
- Identifies and provide scare with sensitivity to generational and cultural differences
- Open to feedback
- Can handle complex patient, provider, and organizational situations
- Functions competently in uncertain situations (such as when limited evidence exists and he/she must make optimal patient/client-management decisions)

MENTOR RESPONSIBILITES

The mentor meets the following responsibilities:

Responsibilities:

- Commitment to mentoring
- Provides resources, experts, and source materials in the field
- Offers guidance and direction regarding professional issues
- Encourages and acknowledges the program participant's ideas and professional contributions
- Provides constructive and useful critiques of the program participant's work and offers strategies for change
- Challenges the program participant to expand his/her abilities
- Provides timely, clear, and comprehensive feedback regarding the program participant's performance and development
- Respects and fosters the program participant's independence, creatively, and uniqueness
- Shares with the program participant success and benefits of the work achieved

SA	A	D	SD	□ N/C

KEYS TO A SUCCESSFUL MENTORING RELATIONSHIP

1.	The mentor creates an environment that focuses on the program participant's achievement acquisition of knowledge.				
	SA	A	D	SD	□ N/O
	Comments:				
2.	The mentor creates an environment of emotional safety, support, and respect.				
	SA	A	D	SD	□ N/O
	Comments:				
3.	The mentor creates an environment that is reciprocal—both the program participant and the mentor derive emotional and tangible benefits.				
	SA	A	D	SD	☐ N/O
	Comments:				
4.	The mentor creates an environment that is personal in nature, with direct interaction that is informal (collegial and friendly).				
	SA	A	D	SD	□ N/O
	Comments:				
5.	The mentor creates an environment that emphasizes the mentor's greater experience, influence, and achievement within a particular organization.				
	SA	A	D	SD	□ N/O
	Comments:				

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