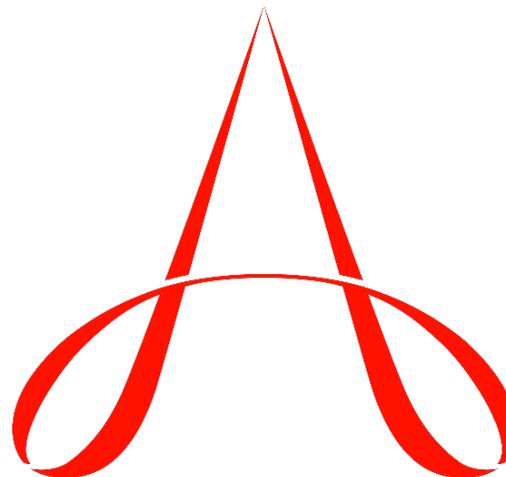




# Nuclear Medicine Milestones

The Accreditation Council for Graduate Medical Education



ACGME

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Second Revision: September 2021  
First Revision: May 2013

# Nuclear Medicine Milestones

The Milestones are designed only for use in evaluation of residents in the context of their participation in ACGME-accredited residency programs. The Milestones provide a framework for the assessment of the development of the resident in key dimensions of the elements of physician competence in a specialty or subspecialty. They neither represent the entirety of the dimensions of the six domains of physician competency, nor are they designed to be relevant in any other context.

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American Board of Nuclear Medicine  
Review Committee for Nuclear Medicine

## Understanding Milestone Levels and Reporting

This document presents the Milestones, which programs use in a semi-annual review of resident performance, and then report to the ACGME. Milestones are knowledge, skills, attitudes, and other attributes for each of the ACGME Competencies organized in a developmental framework. The narrative descriptions are targets for resident performance throughout their educational program.

Milestones are arranged into levels. Tracking from Level 1 to Level 5 is synonymous with moving from novice to expert resident in the specialty or subspecialty. For each reporting period, the Clinical Competency Committee will review the completed evaluations to select the milestone levels that best describe each learner's current performance, abilities, and attributes for each subcompetency.

These levels *do not* correspond with post-graduate year of education. Depending on previous experience, a junior resident may achieve higher levels early in his/her educational program just as a senior resident may be at a lower level later in his/her educational program. There is no predetermined timing for a resident to attain any particular level. Residents may also regress in achievement of their milestones. This may happen for many reasons, such as over scoring in a previous review, a disjointed experience in a particular procedure, or a significant act by the resident.

Selection of a level implies the resident substantially demonstrates the milestones in that level, as well as those in lower levels (see the diagram on page vi).

## Additional Notes

Level 4 is designed as a graduation *goal* but *does not* represent a graduation *requirement*. Making decisions about readiness for graduation and unsupervised practice is the purview of the program director. Furthermore, Milestones 2.0 include revisions and changes that preclude using Milestones as a sole assessment in high-stakes decisions (i.e., determination of eligibility for certification or credentialing). Level 5 is designed to represent an expert resident whose achievements in a subcompetency are greater than the expectation. Milestones are primarily designed for formative, developmental purposes to support continuous quality improvement for individual learners, education programs, and the specialty. The ACGME and its partners will continue to evaluate and perform research on the Milestones to assess their impact and value.

Examples are provided for some milestones within this document. Please note: the examples are not the required element or outcome; they are provided as a way to share the intent of the element.

Some milestone descriptions include statements about performing independently. These activities must occur in conformity to ACGME supervision guidelines as described in the Program Requirements, as well as to institutional and program policies. For example, a resident who performs a procedure independently must, at a minimum, be supervised through oversight.

A Supplemental Guide is also available to provide the intent of each subcompetency, examples for each level, assessment methods or tools, and other available resources. The Supplemental Guide, like examples contained within the Milestones, is designed only to assist the program director and Clinical Competency Committee, and is not meant to demonstrate any required element or outcome.

Additional resources are available in the [Milestones](#) section of the ACGME website. Follow the links under “What We Do” at [www.acgme.org](http://www.acgme.org).

The diagram below presents an example set of milestones for one sub-competency in the same format as the ACGME Report Worksheet. For each reporting period, a resident's performance on the milestones for each sub-competency will be indicated by selecting the level of milestones that best describes that resident's performance in relation to those milestones.

Patient Care 1: Diagnostic Planar, SPECT, and PET Imaging: Patient Evaluation, Procedure Selection, Monitoring, and Interpretation				
Level 1	Level 2	Level 3	Level 4	Level 5
Performs patient focused assessment and discusses routine nuclear medicine procedures, common indications, and contraindications	Proposes procedure, patient preparation, based on exam request and patient information	Selects procedures for routine cases and modifies protocols, as needed	Selects procedures for complex cases and modifies protocols, as needed	Develops or revises protocol(s) for nuclear medicine procedures
Recognizes normal physiologic distribution of FDA approved radiopharmaceuticals	Identifies abnormalities in the physiologic distribution and forms a preliminary impression in the context of patient history	Assesses completion of and accurately interprets procedures done for uncomplicated cases	Assesses completion of and accurately interprets procedures done for complex or less common cases	Manages the nuclear medicine clinic and acts as a consultant in an interdisciplinary conference
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Comments:</b> <div style="float: right;">                     Not Yet Completed Level 1 <input type="checkbox"/>                      Not Yet Assessed <input type="checkbox"/> </div>				

Selecting a response box in the middle of a level implies that milestones in that level and in lower levels have been substantially demonstrated.

Selecting a response box on the line in between levels indicates that milestones in lower levels have been substantially demonstrated as well as **some** milestones in the higher level(s).

Patient Care 1: Diagnostic Planar, SPECT, and PET Imaging: Patient Evaluation, Procedure Selection, Monitoring, and Interpretation				
Level 1	Level 2	Level 3	Level 4	Level 5
<p>Performs patient-focused assessment and discusses routine nuclear medicine procedures, common indications, and contraindications</p> <p>Recognizes normal physiologic distribution of FDA-approved radiopharmaceuticals</p>	<p>Proposes procedure and patient preparation based on exam request and patient information</p> <p>Identifies abnormalities in the physiologic distribution and forms a preliminary impression in the context of a patient's history</p>	<p>Selects procedures for routine cases and modifies protocols, as needed</p> <p>Assesses completion of and accurately interprets procedures done for uncomplicated cases</p>	<p>Selects procedures for complex cases and modifies protocols, as needed</p> <p>Assesses completion of and accurately interprets procedures done for complex or less common cases</p>	<p>Develops or revises protocol(s) for nuclear medicine procedures</p> <p>Manages the nuclear medicine clinic and acts as a consultant in an interdisciplinary conference</p>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p><b>Comments:</b></p> <p style="text-align: right;">Not Yet Completed Level 1 <input type="checkbox"/></p> <p style="text-align: right;">Not Yet Assessable <input type="checkbox"/></p>				

Patient Care 2: Cardiovascular Nuclear Medicine-Stress Testing: Patient Evaluation and Procedure Monitoring				
Level 1	Level 2	Level 3	Level 4	Level 5
Performs targeted patient evaluation for a range of cardiac stress protocols	Interprets electrocardiogram and monitors stress procedure, and applies criteria for procedure completion or termination	Recognizes and manages common procedure complications and contraindications	Recognizes and manages complex or less common procedure complications	Manages the nuclear cardiology clinic and acts as a consultant in an interdisciplinary conference
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Comments:</b> <div style="float: right; text-align: right;">                     Not Yet Completed Level 1 <input type="checkbox"/>                      Not Yet Assessable <input type="checkbox"/> </div>				

Patient Care 3: Theranostics: Radioiodine for Benign Thyroid Disease – Patient Evaluation, Procedure Selection, Procedure Performance, and Follow-Up				
Level 1	Level 2	Level 3	Level 4	Level 5
Performs initial patient evaluation and discusses patient preparation, indications, contraindications, guidelines, and radiation safety precautions	Analyzes relevant patient information and confirms patient preparation, pertinent imaging, and therapeutic procedure set-up and technique	Formulates the therapeutic plan, performs the procedure, and recommends follow-up strategies for routine clinical situations	Formulates the therapeutic plan, performs the procedure, and recommends follow-up strategies for complicated or less common situations	Acts as an expert consultant for radioiodine theranostics for benign thyroid disease
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Comments:</b> <div style="text-align: right;">                     Not Yet Completed Level 1 <input type="checkbox"/>                      Not Yet Assessable <input type="checkbox"/> </div>				

Patient Care 4: Theranostics: Radioiodine for Thyroid Malignancy – Patient Evaluation, Procedure Selection, Procedure Performance, and Follow-Up				
Level 1	Level 2	Level 3	Level 4	Level 5
Performs initial patient evaluation and discusses patient preparation, indications, contraindications, and radiation safety precautions	Analyzes relevant patient information and confirms patient preparation, pertinent imaging, and therapeutic procedure set-up and technique	Formulates the therapeutic plan, performs the procedure, and recommends follow-up strategies for routine clinical situations	Formulates the therapeutic plan, performs the procedure, and recommends follow-up strategies for complicated or less common situations	Acts as an expert consultant for radioiodine theranostics for thyroid malignancies and acts as a consultant for multidisciplinary conferences
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Comments:</b> <div style="float: right; text-align: right;">                     Not Yet Completed Level 1 <input type="checkbox"/>                      Not Yet Assessable <input type="checkbox"/> </div>				

Patient Care 5: Theranostics: Parenteral – Patient Evaluation, Procedure Selection, Procedure Performance, and Follow-Up				
Level 1	Level 2	Level 3	Level 4	Level 5
Performs initial patient evaluation and discusses patient preparation, indications, contraindications, and radiation safety precautions	Analyzes relevant patient information and confirms patient preparation, pertinent imaging, therapeutic procedure set-up and technique, and regulatory compliance	Formulates the therapeutic plan, performs the procedure, and recommends follow-up strategies for uncomplicated clinical situations	Formulates the therapeutic plan, performs the procedure, and recommends follow-up strategies for complicated or less common clinical situations	Acts as an expert consultant for parenteral theranostics and acts as a consultant for multidisciplinary conferences
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Comments:</b>				Not Yet Completed Level 1 <input type="checkbox"/>
				Not Yet Assessable <input type="checkbox"/>

Medical Knowledge 1: Physiology and Pathophysiology				
Level 1	Level 2	Level 3	Level 4	Level 5
Describes basic physiology and pathophysiology of common diseases	Identifies physiologic basis for patient preparation and adjunct pharmacologic interventions	Explains imaging findings of common diseases based on knowledge of physiology and pathophysiology	Explains imaging findings of complex and less common diseases based on knowledge of physiology and pathophysiology	Applies knowledge of physiology and pathophysiology to perform meaningful nuclear medicine research, assess and revise (as needed) department protocols for imaging or therapy, or critically assess research in the medical literature
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Comments:</b>				Not Yet Completed Level 1 <input type="checkbox"/> Not Yet Assessable <input type="checkbox"/>

Medical Knowledge 2: Anatomic Imaging				
Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates knowledge of basic normal anatomy for imaging	Demonstrates knowledge of normal cross-sectional anatomy, common anatomic variants, and commonly encountered abnormalities	Applies knowledge of anatomy to correlative, functional, and hybrid imaging	Demonstrates knowledge of less common anatomic variants, less common abnormalities, and critical findings	Teaches anatomic imaging to junior residents, medical students, and technologists
Demonstrates knowledge of anatomy depicted on commonly obtained imaging views	Obtains common imaging views to depict desired anatomy	Directs technical staff members to obtain common imaging views to depict desired anatomy	Directs technical staff members to acquire images to depict less common anatomical views	Modifies protocols as needed to depict desired anatomy and function
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Comments:</b> <div style="text-align: right;">                     Not Yet Completed Level 1 <input type="checkbox"/>                      Not Yet Assessable <input type="checkbox"/> </div>				

Medical Knowledge 3: Instrumentation				
Level 1	Level 2	Level 3	Level 4	Level 5
Describes basic image acquisition and image processing	Recognizes common imaging artifacts and technical problems	Demonstrates knowledge of instrument quality control and recognizes unusual and rare artifacts and technique problems	Works with technologist to optimize image acquisition and processing	Modifies institutional protocols, including instrumentation and image acquisition
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Comments:</b> <div style="float: right; text-align: right;">                     Not Yet Completed Level 1 <input type="checkbox"/>                      Not Yet Assessable <input type="checkbox"/> </div>				

Medical Knowledge 4: Radiopharmaceuticals and Molecular Agents				
Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates knowledge of common radiopharmaceutical properties	Demonstrates knowledge of common radiopharmacy operations and routine quality control	Demonstrates knowledge of less common radiopharmaceutical properties	Demonstrates knowledge of recently approved radiopharmaceuticals and other molecular agents	Demonstrates knowledge of emerging radiopharmaceuticals that are near Food and Drug Administration (FDA) approval
Demonstrates knowledge of appropriate use and normal distribution of common radiopharmaceuticals	Demonstrates knowledge of pathology for common imaging procedures	Demonstrates knowledge of appropriate use, abnormal distribution, and pathology of less common radiopharmaceuticals	Demonstrates knowledge of appropriate use, abnormal distribution, and pathology for recently approved imaging procedures	Conducts research on emerging radiopharmaceuticals
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Comments:</b> <div style="text-align: right;">                     Not Yet Completed Level 1 <input type="checkbox"/>                      Not Yet Assessable <input type="checkbox"/> </div>				

Medical Knowledge 5: Medical Physics, Mathematics, and Radiation Biology				
Level 1	Level 2	Level 3	Level 4	Level 5
Understands the concepts underlying medical physics pertinent to nuclear medicine	Applies basic medical physics and mathematical principles in clinical nuclear medicine practice	Applies advanced medical physics and mathematical principles in clinical nuclear medicine practice	Functions and converses with the department's medical physicist staff at an advanced level	Serves as an expert on the radiation safety committee
Recognizes the importance of radiation/cancer biology in nuclear medicine	Discusses the basic concepts of radiation biology as pertains to nuclear medicine	Applies advanced concepts in radiation biology to clinical nuclear medicine practice	Serves as an expert consultant with both patients and other medical staff members on matters of radiation treatment	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Comments:</b>				Not Yet Completed Level 1 <input type="checkbox"/> Not Yet Assessable <input type="checkbox"/>

Systems-Based Practice 1: Patient Safety and Quality Improvement				
Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates knowledge of common patient safety events	Identifies system factors that lead to patient safety events	Participates in analysis of patient safety events (simulated or actual)	Conducts analysis of patient safety events and offers error prevention strategies (simulated or actual)	Actively engages teams and processes to modify systems to prevent patient safety events
Demonstrates knowledge of how to report patient radiation safety events	Reports patient safety events through institutional reporting systems (simulated or actual)	Participates in disclosure of patient radiation safety events to patients and their families (simulated or actual)	Discloses patient radiation safety events to patients and their families (simulated or actual)	Role models or mentors others in the disclosure of patient radiation safety events
Demonstrates knowledge of basic quality improvement methodologies and metrics	Describes local quality improvement initiatives	Participates in local quality improvement initiatives	Demonstrates the skills required to identify, develop, implement, and analyze a quality improvement project	Creates, implements, and assesses quality improvement initiatives at the institutional or community level
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Comments:</b> <div style="text-align: right;">Not Yet Completed Level 1 <input type="checkbox"/></div>				

Systems-Based Practice 2: System Navigation for Patient-Centered Care				
Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates knowledge of care coordination in nuclear medicine imaging and therapies	Coordinates care of patients in routine nuclear medicine imaging and therapies, effectively utilizing the roles of the interprofessional team members	Coordinates care of patients in complex nuclear medicine imaging and therapies, effectively utilizing the roles of the interprofessional team members	Role models effective coordination of patient-centered care among different disciplines and specialties	Analyzes the process of care coordination and leads in the design and implementation of improvements
Identifies key elements for safe and effective transitions of care and hand-offs	Performs safe and effective transitions of care/hand-offs in routine clinical situations	Performs safe and effective transitions of care/hand-offs in complex clinical situations	Role models and advocates for safe and effective transitions of care/hand-offs within and across health care delivery systems, including outpatient settings	Improves quality of transitions of care within and across health care delivery systems to optimize patient outcomes
Demonstrates knowledge of population and community health needs and disparities	Identifies specific population and community health needs and inequities for the local population	Uses local resources effectively to meet the needs of a patient population and community	Participates in changing and adapting practice to provide for the needs of specific populations	Leads innovations and advocates for populations and communities with health care inequities
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Comments:</b>				
Not Yet Completed Level 1 <input type="checkbox"/>				

Systems-Based Practice 3: Physician Role in Health Care Systems				
Level 1	Level 2	Level 3	Level 4	Level 5
Identifies key components of the complex health care system (e.g., hospital, finance, personnel, technology)	Describes how components of a complex health care system are interrelated and impact patient care	Discusses how individual practice affects the broader system (e.g., length of stay, readmission rates, clinical efficiency)	Manages various components of the complex health care system to provide efficient and effective patient care and transition of care	Advocates for or leads systems change that enhances high-value, efficient, and effective patient care and transition of care
Describes basic health payment systems (e.g., government, private, public, uninsured care) and practice models	Delivers care with consideration of each patient's payment model (e.g., insurance type)	Engages with patients in shared decision making, informed by each patient's payment model	Advocates for patient care needs (e.g., community resources, patient assistance resources) with consideration of the limitations of each patient's payment model	Participates in health policy advocacy activities
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Comments:</b> <div style="text-align: right;">Not Yet Completed Level 1 <input type="checkbox"/></div>				

Systems-Based Practice 4: Radiation Protection, Patient Safety, and Procedural Safety				
Level 1	Level 2	Level 3	Level 4	Level 5
<p>Demonstrates knowledge of basic radiation protection concepts and basic procedural safety in nuclear medicine</p> <p>Demonstrates knowledge of universal precautions, including hand washing and sterile injection technique</p>	<p>Demonstrates knowledge of radiation protection concepts in nuclear medicine and correlative imaging</p> <p>Demonstrates knowledge of appropriate use of "time-out" procedure, and how to ensure the right patient has the right study or therapy at the right time in the right setting</p>	<p>Consistently practices ALARA (as low as reasonably achievable) principle for patients, patients' families, staff members, and the public</p> <p>Demonstrates knowledge of more complex concepts of procedural safety and contraindications</p>	<p>Models excellent understanding of radiation protection and/or procedural safety</p> <p>Demonstrates knowledge of prevention and management of procedural complications for nuclear medicine and correlative imaging studies</p>	<p>Participates in Radiation Safety Committee meetings and/or independently manages radiation safety events</p> <p>Implements new safety procedures and quality control measures impacting patient care</p>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p><b>Comments:</b></p>				<p>Not Yet Completed Level 1 <input type="checkbox"/></p> <p>Not Yet Assessable <input type="checkbox"/></p>

Practice-Based Learning and Improvement 1: Evidence-Based and Informed Practice				
Level 1	Level 2	Level 3	Level 4	Level 5
With assistance, accesses available evidence and practice guidelines for patient care	Independently identifies available evidence and practice guidelines for patient care	Critically appraises evidence and applies to patient care	Applies best available evidence, even in the face of insufficient and/or conflicting information	Coaches others and serves as a role model to apply evidence to patient care and/or participates in the development of guidelines
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Comments:</b> <div style="text-align: right;">Not Yet Completed Level 1 <input type="checkbox"/></div>				

Practice-Based Learning and Improvement 2: Reflective Practice and Commitment to Personal Growth				
Level 1	Level 2	Level 3	Level 4	Level 5
Identifies gaps in knowledge and performance	Reflects on the factors that contribute to gaps between expectations and actual performance	Institutes changes to narrow the gaps between expectations and actual performance	Intentionally seeks performance data to narrow the gaps between expectations and actual performance	Role models reflective practice
Actively seeks opportunities to improve	Designs and implements a learning plan, with assistance	Independently creates and implements a learning plan	Measures the effectiveness of the learning plan and makes appropriate changes	Facilitates the design and implementation of learning plans for others
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Comments:</b> <div style="text-align: right;">Not Yet Completed Level 1 <input type="checkbox"/></div>				

Professionalism 1: Professional Behavior and Ethical Principles				
Level 1	Level 2	Level 3	Level 4	Level 5
Demonstrates knowledge of common ethical principles and potential triggers for professionalism lapses	Analyzes straightforward situations using ethical principles	Manages and resolves complex ethical situations, including personal lapses, with assistance	Intervenes and uses appropriate resources to prevent and manage professionalism lapses and dilemmas in oneself and others	Coaches others when their behavior fails to meet professional expectations
Describes when and how to appropriately report professionalism lapses	Recognizes and takes responsibility for one's own professionalism lapses			
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Comments:</b> <div style="text-align: right;">Not Yet Completed Level 1 <input type="checkbox"/></div>				

Professionalism 2: Accountability/Conscientiousness				
Level 1	Level 2	Level 3	Level 4	Level 5
Takes responsibility for failure to complete tasks	Performs tasks in a timely manner or provides notification when unable to complete tasks	Performs tasks in a timely manner with appropriate attention to detail in complex or stressful situations	Takes responsibility in situations that impact the ability of team members to complete tasks and responsibilities in a timely manner	Coaches others in taking responsibility for administrative and clinical care duties
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Comments:</b> <div style="text-align: right;">Not Yet Completed Level 1 <input type="checkbox"/></div>				

Professionalism 3: Well-Being and Help-Seeking				
Level 1	Level 2	Level 3	Level 4	Level 5
Recognizes status of personal and professional well-being, as well as the limits of such knowledge, with assistance	Independently recognizes status of personal and professional well-being, as well as the limits of such knowledge	With assistance, proposes a plan to optimize personal and professional well-being	Independently develops a plan to optimize personal and professional well-being	Coaches others and role models the continual ability to monitor and address personal and professional well-being
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Comments:</b> <div style="text-align: right;">Not Yet Completed Level 1 <input type="checkbox"/></div>				

This subcompetency is not intended to evaluate a resident's well-being. Rather, the intent is to ensure that each resident has the fundamental knowledge of factors that impact well-being, the mechanism by which those factors impact well-being, and available resources and tools to improve well-being.

Interpersonal and Communication Skills 1: Patient- and Family-Centered Communication				
Level 1	Level 2	Level 3	Level 4	Level 5
Identifies common barriers to effective communication	Identifies complex barriers to effective communication	Reflects on personal biases while attempting to minimize communication barriers	Proactively improves communication by addressing barriers, including patient and personal bias	Role models communication that addresses barriers
Recognizes the need to adjust communication strategies based on context	Verifies patient's/patient's family's understanding of the clinical situation to optimize effective communication	With guidance, uses shared decision making to align the patient's/patient's family's values, goals, and preferences with treatment options to make a personalized care plan	Independently uses shared decision making to make a personalized care plan	Role models shared decision making in patient/patient's family communication, including in situations with a high degree of uncertainty/conflict
Learns to obtain informed consent	Obtains informed consent for routine procedures	Obtains informed consent for complex procedures	Teaches junior residents how to obtain informed consent in common clinical and research situations	Addresses informed consent in complex clinical and research situations
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Comments:</b> <div style="text-align: right;">Not Yet Completed Level 1 <input type="checkbox"/></div>				

Interpersonal and Communication Skills 2: Interprofessional and Team Communication				
Level 1	Level 2	Level 3	Level 4	Level 5
<p>Uses respectful communication (verbal and non-verbal) with all members of the health care team</p> <p>Demonstrates openness to feedback</p>	<p>Communicates effectively with all health care team members</p> <p>Is responsive to feedback</p>	<p>Adapts communication style within and across health care teams to ensure mutual understanding</p> <p>Seeks and provides performance feedback</p>	<p>Coordinates recommendations from different members of the health care team to optimize patient care</p> <p>Uses feedback to improve one's own performance and provides actionable feedback to team members</p>	<p>Role models flexible communication strategies that value input from all health care team members, resolving conflict when needed</p> <p>Role models giving and receiving of feedback</p>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p><b>Comments:</b></p> <p style="text-align: right;">Not Yet Completed Level 1 <input type="checkbox"/></p>				

Interpersonal and Communication Skills 3: Communication within Health Care Systems				
Level 1	Level 2	Level 3	Level 4	Level 5
Accurately records information in the patient record	Demonstrates organized diagnostic and therapeutic reasoning through notes in the patient record	Concisely reports diagnostic and therapeutic reasoning in the patient record	Communicates clearly, concisely, timely, and in an organized written form, including anticipatory guidance	Role models optimal documentation
Safeguards patients' personal health information in communications	Appropriately selects forms of communication based on context	Includes key stakeholders in all communications	Produces written or verbal communication that serves as an example for others to follow	Guides departmental or institutional communication around policies and procedures
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Comments:</b> <div style="text-align: right;">Not Yet Completed Level 1 <input type="checkbox"/></div>				