

**ACGME Program Requirements for
Graduate Medical Education
in Nuclear Medicine**

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2 **ACGME Program Requirements for Graduate Medical Education**
3 **in Nuclear Medicine**

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5 **Common Program Requirements (Residency) are in BOLD**
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7 Where applicable, text in italics describes the underlying philosophy of the requirements in that
8 section. These philosophic statements are not program requirements and are therefore not
9 citable.

10
11 **Introduction**

12
13 **Int.A.** *Graduate medical education is the crucial step of professional*
14 *development between medical school and autonomous clinical practice. It*
15 *is in this vital phase of the continuum of medical education that residents*
16 *learn to provide optimal patient care under the supervision of faculty*
17 *members who not only instruct, but serve as role models of excellence,*
18 *compassion, professionalism, and scholarship.*

19
20 *Graduate medical education transforms medical students into physician*
21 *scholars who care for the patient, family, and a diverse community; create*
22 *and integrate new knowledge into practice; and educate future generations*
23 *of physicians to serve the public. Practice patterns established during*
24 *graduate medical education persist many years later.*

25
26 *Graduate medical education has as a core tenet the graded authority and*
27 *responsibility for patient care. The care of patients is undertaken with*
28 *appropriate faculty supervision and conditional independence, allowing*
29 *residents to attain the knowledge, skills, attitudes, and empathy required*
30 *for autonomous practice. Graduate medical education develops physicians*
31 *who focus on excellence in delivery of safe, equitable, affordable, quality*
32 *care; and the health of the populations they serve. Graduate medical*
33 *education values the strength that a diverse group of physicians brings to*
34 *medical care.*

35
36 *Graduate medical education occurs in clinical settings that establish the*
37 *foundation for practice-based and lifelong learning. The professional*
38 *development of the physician, begun in medical school, continues through*
39 *faculty modeling of the effacement of self-interest in a humanistic*
40 *environment that emphasizes joy in curiosity, problem-solving, academic*
41 *rigor, and discovery. This transformation is often physically, emotionally,*
42 *and intellectually demanding and occurs in a variety of clinical learning*
43 *environments committed to graduate medical education and the well-being*
44 *of patients, residents, fellows, faculty members, students, and all members*
45 *of the health care team.*

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47 **Int.B.** **Definition of Specialty**
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49 Nuclear medicine is the medical specialty that uses the Tracer Principle, most
50 often with radiopharmaceuticals, to evaluate molecular, metabolic, physiologic

51 and pathologic conditions of the body for the purposes of diagnosis, therapy, and
52 research.

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54 **Int.C. Length of Educational Program**

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56 The educational program in nuclear medicine must be 36 months in length. (Core)*
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58 **I. Oversight**

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60 **I.A. Sponsoring Institution**

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62 *The Sponsoring Institution is the organization or entity that assumes the*
63 *ultimate financial and academic responsibility for a program of graduate*
64 *medical education, consistent with the ACGME Institutional Requirements.*

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66 *When the Sponsoring Institution is not a rotation site for the program, the*
67 *most commonly utilized site of clinical activity for the program is the*
68 *primary clinical site.*
69

Background and Intent: Participating sites will reflect the health care needs of the community and the educational needs of the residents. A wide variety of organizations may provide a robust educational experience and, thus, Sponsoring Institutions and participating sites may encompass inpatient and outpatient settings including, but not limited to a university, a medical school, a teaching hospital, a nursing home, a school of public health, a health department, a public health agency, an organized health care delivery system, a medical examiner's office, an educational consortium, a teaching health center, a physician group practice, federally qualified health center, or an educational foundation.

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71 **I.A.1. The program must be sponsored by one ACGME-accredited**
72 **Sponsoring Institution. (Core)***

73
74 **I.B. Participating Sites**

75
76 *A participating site is an organization providing educational experiences or*
77 *educational assignments/rotations for residents.*
78

79 **I.B.1. The program, with approval of its Sponsoring Institution, must**
80 **designate a primary clinical site. (Core)**

81
82 **I.B.1.a) The program must be based at the primary clinical site. (Core)**

83
84 **I.B.1.a).(1) A program using multiple sites must ensure a unified**
85 **educational experience for the residents. (Core)**

86
87 **I.B.1.b) Each participating site must offer significant educational**
88 **opportunities to the overall program. (Core)**

89
90 **I.B.1.c) Programs should avoid affiliations with sites at such distances**
91 **from the primary clinical site as to make resident attendance at**

rounds and conferences impractical, unless there is a comparable educational experience at a participating site. ^(Core)

I.B.2. There must be a program letter of agreement (PLA) between the program and each participating site that governs the relationship between the program and the participating site providing a required assignment. ^(Core)

I.B.2.a) The PLA must:

I.B.2.a).(1) be renewed at least every 10 years; and, ^(Core)

I.B.2.a).(2) be approved by the designated institutional official (DIO). ^(Core)

I.B.3. The program must monitor the clinical learning and working environment at all participating sites. ^(Core)

I.B.3.a) At each participating site there must be one faculty member, designated by the program director as the site director, who is accountable for resident education at that site, in collaboration with the program director. ^(Core)

Background and Intent: While all residency programs must be sponsored by a single ACGME-accredited Sponsoring Institution, many programs will utilize other clinical settings to provide required or elective training experiences. At times it is appropriate to utilize community sites that are not owned by or affiliated with the Sponsoring Institution. Some of these sites may be remote for geographic, transportation, or communication issues. When utilizing such sites the program must ensure the quality of the educational experience. The requirements under I.B.3. are intended to ensure that this will be the case.

Suggested elements to be considered in PLAs will be found in the ACGME Program Director's Guide to the Common Program Requirements. These include:

- Identifying the faculty members who will assume educational and supervisory responsibility for residents**
- Specifying the responsibilities for teaching, supervision, and formal evaluation of residents**
- Specifying the duration and content of the educational experience**
- Stating the policies and procedures that will govern resident education during the assignment**

I.B.4. The program director must submit any additions or deletions of participating sites routinely providing an educational experience, required for all residents, of one month full time equivalent (FTE) or more through the ACGME's Accreditation Data System (ADS). ^(Core)

I.C. The program, in partnership with its Sponsoring Institution, must engage in practices that focus on mission-driven, ongoing, systematic recruitment and retention of a diverse and inclusive workforce of residents, fellows (if

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present), faculty members, senior administrative staff members, and other relevant members of its academic community. ^(Core)

Background and Intent: It is expected that the Sponsoring Institution has, and programs implement, policies and procedures related to recruitment and retention of minorities underrepresented in medicine and medical leadership in accordance with the Sponsoring Institution's mission and aims. The program's annual evaluation must include an assessment of the program's efforts to recruit and retain a diverse workforce, as noted in V.C.1.c).(5).(c).

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I.D. Resources

I.D.1. The program, in partnership with its Sponsoring Institution, must ensure the availability of adequate resources for resident education. ^(Core)

~~I.D.1.a) There must be Internet access for resident educational use.~~ ^(Core)

I.D.2. The program, in partnership with its Sponsoring Institution, must ensure healthy and safe learning and working environments that promote resident well-being and provide for: ^(Core)

I.D.2.a) access to food while on duty; ^(Core)

I.D.2.b) safe, quiet, clean, and private sleep/rest facilities available and accessible for residents with proximity appropriate for safe patient care; ^(Core)

Background and Intent: Care of patients within a hospital or health system occurs continually through the day and night. Such care requires that residents function at their peak abilities, which requires the work environment to provide them with the ability to meet their basic needs within proximity of their clinical responsibilities. Access to food and rest are examples of these basic needs, which must be met while residents are working. Residents should have access to refrigeration where food may be stored. Food should be available when residents are required to be in the hospital overnight. Rest facilities are necessary, even when overnight call is not required, to accommodate the fatigued resident.

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I.D.2.c) clean and private facilities for lactation that have refrigeration capabilities, with proximity appropriate for safe patient care; ^(Core)

Background and Intent: Sites must provide private and clean locations where residents may lactate and store the milk within a refrigerator. These locations should be in close proximity to clinical responsibilities. It would be helpful to have additional support within these locations that may assist the resident with the continued care of patients, such as a computer and a phone. While space is important, the time required for lactation is also critical for the well-being of the resident and the resident's family, as outlined in VI.C.1.d).(1).

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- 152 I.D.2.d) security and safety measures appropriate to the participating
 153 site; and, ^(Core)
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- 155 I.D.2.e) accommodations for residents with disabilities consistent
 156 with the Sponsoring Institution's policy. ^(Core)
 157
- 158 I.D.3. Residents must have ready access to specialty-specific and other
 159 appropriate reference material in print or electronic format. This
 160 must include access to electronic medical literature databases with
 161 full text capabilities. ^(Core)
 162
- 163 I.D.4. The program's educational and clinical resources must be adequate
 164 to support the number of residents appointed to the program. ^(Core)
 165
- 166 I.D.4.a) There must be a volume and variety of patients to ensure that
 167 residents gain experience in the full range of nuclear
 168 medicine/molecular imaging procedures and interpretations. ^(Core)
 169
- 170 I.E. The presence of other learners and other care providers, including, but not
 171 limited to, residents from other programs, subspecialty fellows, and
 172 advanced practice providers, must enrich the appointed residents'
 173 education. ^(Core)
 174
- 175 I.E.1. The program must report circumstances when the presence of other
 176 learners has interfered with the residents' education to the DIO and
 177 Graduate Medical Education Committee (GMEC). ^(Core)
 178

Background and Intent: The clinical learning environment has become increasingly complex and often includes care providers, students, and post-graduate residents and fellows from multiple disciplines. The presence of these practitioners and their learners enriches the learning environment. Programs have a responsibility to monitor the learning environment to ensure that residents' education is not compromised by the presence of other providers and learners.

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- 180 II. Personnel
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- 182 II.A. Program Director
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- 184 II.A.1. There must be one faculty member appointed as program director
 185 with authority and accountability for the overall program, including
 186 compliance with all applicable program requirements. ^(Core)
 187
- 188 II.A.1.a) The Sponsoring Institution's GMEC must approve a change in
 189 program director. ^(Core)
 190
- 191 II.A.1.b) Final approval of the program director resides with the
 192 Review Committee. ^(Core)
 193

Background and Intent: While the ACGME recognizes the value of input from numerous individuals in the management of a residency, a single individual must be

designated as program director and have overall responsibility for the program. The program director's nomination is reviewed and approved by the GMEC. Final approval of the program director resides with the applicable ACGME Review Committee.

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II.A.1.c) The program must demonstrate retention of the program director for a length of time adequate to maintain continuity of leadership and program stability. ^(Core)

II.A.1.c).(1) The program director should serve in this position for a minimum of five years. ^(Detail)

Background and Intent: The success of residency programs is generally enhanced by continuity in the program director position. The professional activities required of a program director are unique and complex and take time to master. All programs are encouraged to undertake succession planning to facilitate program stability when there is necessary turnover in the program director position.

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II.A.2. The program director and, as applicable, the program's leadership team, must be provided with support adequate for administration of the program based upon its size and configuration. ^(Core)

II.A.2.a) At a minimum, the program director must be provided with the dedicated time and support specified below for administration of the program: ^(Core)

<u>Number of Approved Resident Positions</u>	<u>Minimum support required (FTE or number of hours)</u>
<u>1-6 residents</u>	<u>0.15</u>
<u>7-12 residents</u>	<u>0.20</u>

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Background and Intent: To achieve successful graduate medical education, individuals serving as education and administrative leaders of residency programs, as well as those significantly engaged in the education, supervision, evaluation, and mentoring of residents, must have sufficient dedicated professional time to perform the vital activities required to sustain an accredited program.

The ultimate outcome of graduate medical education is excellence in resident education and patient care.

The program director and, as applicable, the program leadership team, devote a portion of their professional effort to the oversight and management of the residency program, as defined in II.A.4.-II.A.4.a).(16). Both provision of support for the time required for the leadership effort and flexibility regarding how this support is provided are important. Programs, in partnership with their Sponsoring Institutions, may provide support for this time in a variety of ways. Examples of support may include, but are not limited to, salary support, supplemental compensation, educational value units, or relief of time from other professional duties.

Program directors and, as applicable, members of the program leadership team, who are new to the role may need to devote additional time to program oversight and

management initially as they learn and become proficient in administering the program. It is suggested that during this initial period the support described above be increased as needed.

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II.A.3. Qualifications of the program director:

II.A.3.a) must include specialty expertise and at least three years of documented educational and/or administrative experience, or qualifications acceptable to the Review Committee; ^(Core)

Background and Intent: Leading a program requires knowledge and skills that are established during residency and subsequently further developed. The time period from completion of residency until assuming the role of program director allows the individual to cultivate leadership abilities while becoming professionally established. The three-year period is intended for the individual's professional maturation.

The broad allowance for educational and/or administrative experience recognizes that strong leaders arise through diverse pathways. These areas of expertise are important when identifying and appointing a program director. The choice of a program director should be informed by the mission of the program and the needs of the community.

In certain circumstances, the program and Sponsoring Institution may propose and the Review Committee may accept a candidate for program director who fulfills these goals but does not meet the three-year minimum.

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II.A.3.b) must include current certification in the specialty for which they are the program director by the American Board of Nuclear Medicine or by the American Osteopathic Board of Nuclear Medicine, or specialty qualifications that are acceptable to the Review Committee; ^(Core)

II.A.3.b).(1) Other acceptable qualifications are certification by the American Board of Radiology with subspecialty certification in Nuclear Radiology. ^(Core)

II.A.3.b).(2) The program director should actively participate in Maintenance of Certification. ^(Core)

II.A.3.c) must include current medical licensure and appropriate medical staff appointment; ^(Core)

II.A.3.d) must include ongoing clinical activity; ^(Core)

II.A.3.e) must include being an authorized user for 10CFR 35.190, 290, and 390, including 392, 394, and 396; ^(Core)

II.A.3.f) must include full-time appointment; and, ^(Core)

II.A.3.g) must include broad knowledge of, experience with, and commitment to general nuclear medicine/molecular imaging. ^(Core)

Background and Intent: A program director is a role model for faculty members and residents. The program director must participate in clinical activity consistent with the specialty. This activity will allow the program director to role model the Core Competencies for the faculty members and residents.

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II.A.4. Program Director Responsibilities

The program director must have responsibility, authority, and accountability for: administration and operations; teaching and scholarly activity; resident recruitment and selection, evaluation, and promotion of residents, and disciplinary action; supervision of residents; and resident education in the context of patient care. ^(Core)

II.A.4.a) The program director must:

II.A.4.a).(1) be a role model of professionalism; ^(Core)

Background and Intent: The program director, as the leader of the program, must serve as a role model to residents in addition to fulfilling the technical aspects of the role. As residents are expected to demonstrate compassion, integrity, and respect for others, they must be able to look to the program director as an exemplar. It is of utmost importance, therefore, that the program director model outstanding professionalism, high quality patient care, educational excellence, and a scholarly approach to work. The program director creates an environment where respectful discussion is welcome, with the goal of continued improvement of the educational experience.

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II.A.4.a).(2) design and conduct the program in a fashion consistent with the needs of the community, the mission(s) of the Sponsoring Institution, and the mission(s) of the program; ^(Core)

Background and Intent: The mission of institutions participating in graduate medical education is to improve the health of the public. Each community has health needs that vary based upon location and demographics. Programs must understand the social determinants of health of the populations they serve and incorporate them in the design and implementation of the program curriculum, with the ultimate goal of addressing these needs and health disparities.

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II.A.4.a).(3) administer and maintain a learning environment conducive to educating the residents in each of the ACGME Competency domains; ^(Core)

Background and Intent: The program director may establish a leadership team to assist in the accomplishment of program goals. Residency programs can be highly complex. In a complex organization, the leader typically has the ability to delegate authority to others, yet remains accountable. The leadership team may include physician and non-physician personnel with varying levels of education, training, and experience.

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- 271 II.A.4.a).(4) develop and oversee a process to evaluate candidates
 272 prior to approval as program faculty members for
 273 participation in the residency program education and
 274 at least annually thereafter, as outlined in V.B.; (Core)
 275
- 276 II.A.4.a).(5) have the authority to approve program faculty
 277 members for participation in the residency program
 278 education at all sites; (Core)
 279
- 280 II.A.4.a).(6) have the authority to remove program faculty
 281 members from participation in the residency program
 282 education at all sites; (Core)
 283
- 284 II.A.4.a).(7) have the authority to remove residents from
 285 supervising interactions and/or learning environments
 286 that do not meet the standards of the program; (Core)
 287

Background and Intent: The program director has the responsibility to ensure that all who educate residents effectively role model the Core Competencies. Working with a resident is a privilege that is earned through effective teaching and professional role modeling. This privilege may be removed by the program director when the standards of the clinical learning environment are not met.

There may be faculty in a department who are not part of the educational program, and the program director controls who is teaching the residents.

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- 289 II.A.4.a).(8) submit accurate and complete information required
 290 and requested by the DIO, GMEC, and ACGME; (Core)
 291
- 292 II.A.4.a).(9) provide applicants who are offered an interview with
 293 information related to the applicant's eligibility for the
 294 relevant specialty board examination(s); (Core)
 295
- 296 II.A.4.a).(10) provide a learning and working environment in which
 297 residents have the opportunity to raise concerns and
 298 provide feedback in a confidential manner as
 299 appropriate, without fear of intimidation or retaliation;
 300 (Core)
 301
- 302 II.A.4.a).(11) ensure the program's compliance with the Sponsoring
 303 Institution's policies and procedures related to
 304 grievances and due process; (Core)
 305
- 306 II.A.4.a).(12) ensure the program's compliance with the Sponsoring
 307 Institution's policies and procedures for due process
 308 when action is taken to suspend or dismiss, not to
 309 promote, or not to renew the appointment of a
 310 resident; (Core)
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Background and Intent: A program does not operate independently of its Sponsoring Institution. It is expected that the program director will be aware of the Sponsoring

Institution's policies and procedures, and will ensure they are followed by the program's leadership, faculty members, support personnel, and residents.

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- II.A.4.a).(13) ensure the program's compliance with the Sponsoring Institution's policies and procedures on employment and non-discrimination; ^(Core)
- II.A.4.a).(13).(a) Residents must not be required to sign a non-competition guarantee or restrictive covenant. ^(Core)
- II.A.4.a).(14) document verification of program completion for all graduating residents within 30 days; ^(Core)
- II.A.4.a).(15) provide verification of an individual resident's completion upon the resident's request, within 30 days; and, ^(Core)

Background and Intent: Primary verification of graduate medical education is important to credentialing of physicians for further training and practice. Such verification must be accurate and timely. Sponsoring Institution and program policies for record retention are important to facilitate timely documentation of residents who have previously completed the program. Residents who leave the program prior to completion also require timely documentation of their summative evaluation.

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- II.A.4.a).(16) obtain review and approval of the Sponsoring Institution's DIO before submitting information or requests to the ACGME, as required in the Institutional Requirements and outlined in the ACGME Program Director's Guide to the Common Program Requirements. ^(Core)

II.B. Faculty

Faculty members are a foundational element of graduate medical education – faculty members teach residents how to care for patients. Faculty members provide an important bridge allowing residents to grow and become practice-ready, ensuring that patients receive the highest quality of care. They are role models for future generations of physicians by demonstrating compassion, commitment to excellence in teaching and patient care, professionalism, and a dedication to lifelong learning. Faculty members experience the pride and joy of fostering the growth and development of future colleagues. The care they provide is enhanced by the opportunity to teach. By employing a scholarly approach to patient care, faculty members, through the graduate medical education system, improve the health of the individual and the population.

Faculty members ensure that patients receive the level of care expected from a specialist in the field. They recognize and respond to the needs of the patients, residents, community, and institution. Faculty members provide appropriate levels of supervision to promote patient safety. Faculty

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members create an effective learning environment by acting in a professional manner and attending to the well-being of the residents and themselves.

Background and Intent: “Faculty” refers to the entire teaching force responsible for educating residents. The term “faculty,” including “core faculty,” does not imply or require an academic appointment.

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II.B.1. At each participating site, there must be a sufficient number of faculty members with competence to instruct and supervise all residents at that location. ^(Core)

II.B.2. Faculty members must:

II.B.2.a) be role models of professionalism; ^(Core)

II.B.2.b) demonstrate commitment to the delivery of safe, quality, cost-effective, patient-centered care; ^(Core)

Background and Intent: Patients have the right to expect quality, cost-effective care with patient safety at its core. The foundation for meeting this expectation is formed during residency and fellowship. Faculty members model these goals and continually strive for improvement in care and cost, embracing a commitment to the patient and the community they serve.

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II.B.2.c) demonstrate a strong interest in the education of residents; ^(Core)

II.B.2.d) devote sufficient time to the educational program to fulfill their supervisory and teaching responsibilities; ^(Core)

II.B.2.e) administer and maintain an educational environment conducive to educating residents; ^(Core)

II.B.2.f) regularly participate in organized clinical discussions, rounds, journal clubs, and conferences; and, ^(Core)

II.B.2.g) pursue faculty development designed to enhance their skills at least annually: ^(Core)

Background and Intent: Faculty development is intended to describe structured programming developed for the purpose of enhancing transference of knowledge, skill, and behavior from the educator to the learner. Faculty development may occur in a variety of configurations (lecture, workshop, etc.) using internal and/or external resources. Programming is typically needs-based (individual or group) and may be specific to the institution or the program. Faculty development programming is to be reported for the residency program faculty in the aggregate.

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II.B.2.g).(1) as educators; ^(Core)

- 390 **II.B.2.g).(2)** in quality improvement and patient safety; ^(Core)
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 392 **II.B.2.g).(3)** in fostering their own and their residents' well-being;
 393 and, ^(Core)
 394
 395 **II.B.2.g).(4)** in patient care based on their practice-based learning
 396 and improvement efforts. ^(Core)
 397

Background and Intent: Practice-based learning serves as the foundation for the practice of medicine. Through a systematic analysis of one's practice and review of the literature, one is able to make adjustments that improve patient outcomes and care. Thoughtful consideration to practice-based analysis improves quality of care, as well as patient safety. This allows faculty members to serve as role models for residents in practice-based learning.

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 399 **II.B.3. Faculty Qualifications**
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 401 **II.B.3.a) Faculty members must have appropriate qualifications in**
 402 **their field and hold appropriate institutional appointments.**
 403 ^(Core)
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 405 **II.B.3.b) Physician faculty members must:**
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 407 **II.B.3.b).(1) have current certification in the specialty by the**
 408 **American Board of Nuclear Medicine or the American**
 409 **Osteopathic Board of Nuclear Medicine, or possess**
 410 **qualifications judged acceptable to the Review**
 411 **Committee; or,** ^(Core)
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 413 **II.B.3.b).(2) have current certification in nuclear radiology by the**
 414 **American Board of Radiology.** ^(Core)
 415
 416 **II.B.3.b).(2).(a) In programs affiliated with a medical school, all**
 417 **physician faculty members must have an academic**
 418 **appointment.** ^(Core)
 419
 420 **II.B.3.c) Any non-physician faculty members who participate in**
 421 **residency program education must be approved by the**
 422 **program director.** ^(Core)
 423

Background and Intent: The provision of optimal and safe patient care requires a team approach. The education of residents by non-physician educators enables the resident to better manage patient care and provides valuable advancement of the residents' knowledge. Furthermore, other individuals contribute to the education of the resident in the basic science of the specialty or in research methodology. If the program director determines that the contribution of a non-physician individual is significant to the education of the residents, the program director may designate the individual as a program faculty member or a program core faculty member.

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 425 **II.B.4. Core Faculty**
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427 Core faculty members must have a significant role in the education
 428 and supervision of residents and must devote a significant portion
 429 of their entire effort to resident education and/or administration, and
 430 must, as a component of their activities, teach, evaluate, and
 431 provide formative feedback to residents. ^(Core)
 432

Background and Intent: Core faculty members are critical to the success of resident education. They support the program leadership in developing, implementing, and assessing curriculum, mentoring residents, and assessing residents' progress toward achievement of competence in and the independent practice of the specialty. Core faculty members should be selected for their broad knowledge of and involvement in the program, permitting them to effectively evaluate the program. Core faculty members may also be selected for their specific expertise and unique contribution to the program. Core faculty members are engaged in a broad range of activities, which may vary across programs and specialties. Core faculty members provide clinical teaching and supervision of residents, and also participate in non-clinical activities related to resident education and program administration. Examples of these non-clinical activities include, but are not limited to, interviewing and selecting resident applicants, providing didactic instruction, mentoring residents, simulation exercises, completing the annual ACGME Faculty Survey, and participating on the program's Clinical Competency Committee, Program Evaluation Committee, and other GME committees.

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 434 **II.B.4.a) Core faculty members must be designated by the program**
 435 **director.** ^(Core)
 436
 437 **II.B.4.b) Core faculty members must complete the annual ACGME**
 438 **Faculty Survey.** ^(Core)
 439
 440 **II.B.4.c) There must be at least one core physician faculty member in**
 441 **addition to the program director.** ^(Core)
 442
 443 **II.B.4.c).(1) Programs must maintain a ratio of at least one core**
 444 **physician faculty member per every two residents.** ^(Core)
 445

446 **II.C. Program Coordinator**

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 448 **II.C.1. There must be a program coordinator.** ^(Core)
 449
 450 **II.C.2. The program coordinator must be provided with dedicated time and**
 451 **support adequate for administration of the program based upon its**
 452 **size and configuration.** ^(Core)
 453
 454 **II.C.2.a) At a minimum, the program coordinator must be provided with the**
 455 **dedicated time and support specified below for administration of**
 456 **the program:** ^(Core)
 457

<u>Number of Approved Resident Positions</u>	<u>Minimum FTE</u>
<u>1-6 residents</u>	<u>0.25</u>

Background and Intent: The requirement does not address the source of funding required to provide the specified salary support.

Each program requires a lead administrative person, frequently referred to as a program coordinator, administrator, or as otherwise titled by the institution. This person will frequently manage the day-to-day operations of the program and serve as an important liaison and facilitator between the learners, faculty and other staff members, and the ACGME. Individuals serving in this role are recognized as program coordinators by the ACGME.

The program coordinator is a key member of the leadership team and is critical to the success of the program. As such, the program coordinator must possess skills in leadership and personnel management appropriate to the complexity of the program. Program coordinators are expected to develop in-depth knowledge of the ACGME and Program Requirements, including policies and procedures. Program coordinators assist the program director in meeting accreditation requirements, educational programming, and support of residents.

Programs, in partnership with their Sponsoring Institutions, should encourage the professional development of their program coordinators and avail them of opportunities for both professional and personal growth. Programs with fewer residents may not require a full-time coordinator; one coordinator may support more than one program.

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II.D. Other Program Personnel

The program, in partnership with its Sponsoring Institution, must jointly ensure the availability of necessary personnel for the effective administration of the program. ^(Core)

Background and Intent: Multiple personnel may be required to effectively administer a program. These may include staff members with clerical skills, project managers, education experts, and staff members to maintain electronic communication for the program. These personnel may support more than one program in more than one discipline.

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III. Resident Appointments

III.A. Eligibility Requirements

III.A.1. An applicant must meet one of the following qualifications to be eligible for appointment to an ACGME-accredited program: ^(Core)

III.A.1.a) graduation from a medical school in the United States or Canada, accredited by the Liaison Committee on Medical Education (LCME) or graduation from a college of osteopathic medicine in the United States, accredited by the

478		American Osteopathic Association Commission on
479		Osteopathic College Accreditation (AOACOCA); or, (Core)
480		
481	III.A.1.b)	graduation from a medical school outside of the United
482		States or Canada, and meeting one of the following additional
483		qualifications: (Core)
484		
485	III.A.1.b).(1)	holding a currently valid certificate from the
486		Educational Commission for Foreign Medical
487		Graduates (ECFMG) prior to appointment; or, (Core)
488		
489	III.A.1.b).(2)	holding a full and unrestricted license to practice
490		medicine in the United States licensing jurisdiction in
491		which the ACGME-accredited program is located. (Core)
492		
493	III.A.2.	All prerequisite post-graduate clinical education required for initial
494		entry or transfer into ACGME-accredited residency programs must
495		be completed in ACGME-accredited residency programs, AOA-
496		approved residency programs, Royal College of Physicians and
497		Surgeons of Canada (RCPSC)-accredited or College of Family
498		Physicians of Canada (CFPC)-accredited residency programs
499		located in Canada, or in residency programs with ACGME
500		International (ACGME-I) Advanced Specialty Accreditation. (Core)
501		
502	III.A.2.a)	Residency programs must receive verification of each
503		resident's level of competency in the required clinical field
504		using ACGME, CanMEDS, or ACGME-I Milestones evaluations
505		from the prior training program upon matriculation. (Core)
506		
507	III.A.2.a).(1)	To be eligible for appointment to the program at the NM1
508		level, residents must have satisfactorily completed one
509		year of graduate medical education in a program that
510		satisfies the requirements in III.A.2. (Core)
511		
512	III.A.2.a).(1).(a)	This year must include a minimum of nine months
513		of direct patient care. (Core)
514		
515	III.A.2.a).(2)	To be eligible for appointment to the program at the NM2
516		level, residents must have satisfactorily completed a
517		program that satisfies the requirements in III.A.2. (Core)
518		
519	III.A.2.a).(2).(a)	The educational program for these residents must
520		be 24 months in length. (Core)
521		
522	III.A.2.a).(3)	To be eligible for appointment to the program at the NM3
523		level, residents must have satisfactorily completed a
524		program in diagnostic radiology that satisfies the
525		requirements in III.A.2. (Core)
526		
527	III.A.2.a).(3).(a)	The educational program for these residents must
528		be 12 months in length. (Core)

Background and Intent: Programs with ACGME-I Foundational Accreditation or from institutions with ACGME-I accreditation do not qualify unless the program has also achieved ACGME-I Advanced Specialty Accreditation. To ensure entrants into ACGME-accredited programs from ACGME-I programs have attained the prerequisite milestones for this training, they must be from programs that have ACGME-I Advanced Specialty Accreditation.

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- III.A.3. A physician who has completed a residency program that was not accredited by ACGME, AOA, RCPSC, CFPC, or ACGME-I (with Advanced Specialty Accreditation) may enter an ACGME-accredited residency program in the same specialty at the PGY-1 level and, at the discretion of the program director of the ACGME-accredited program and with approval by the GMEC, may be advanced to the PGY-2 level based on ACGME Milestones evaluations at the ACGME-accredited program. This provision applies only to entry into residency in those specialties for which an initial clinical year is not required for entry. (Core)**
- 542
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- III.A.4. Resident Eligibility Exception**
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- III.A.4.a) An ACGME-accredited residency program may accept an exceptionally qualified international graduate applicant who does not satisfy the eligibility requirements listed in III.A.1.-III.A.3., but who does meet all of the following additional qualifications and conditions: (Core)**
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- III.A.4.a).(1) evaluation by the program director and residency selection committee of the applicant's suitability to enter the program, based on prior training and review of the summative evaluations of this training; and, (Core)**
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- III.A.4.a).(2) review and approval of the applicant's exceptional qualifications by the GMEC; and, (Core)**
- 559
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561
- III.A.4.a).(3) verification of Educational Commission for Foreign Medical Graduates (ECFMG) certification. (Core)**
- 562
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- III.A.4.b) Applicants accepted through this exception must have an evaluation of their performance by the Clinical Competency Committee within 12 weeks of matriculation. (Core)**
- 565
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- III.B. The program director must not appoint more residents than approved by the Review Committee. (Core)**
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- III.B.1. All complement increases must be approved by the Review Committee. (Core)**
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III.C. Resident Transfers

The program must obtain verification of previous educational experiences and a summative competency-based performance evaluation prior to acceptance of a transferring resident, and Milestones evaluations upon matriculation. ^(Core)

IV. Educational Program

The ACGME accreditation system is designed to encourage excellence and innovation in graduate medical education regardless of the organizational affiliation, size, or location of the program.

The educational program must support the development of knowledgeable, skillful physicians who provide compassionate care.

In addition, the program is expected to define its specific program aims consistent with the overall mission of its Sponsoring Institution, the needs of the community it serves and that its graduates will serve, and the distinctive capabilities of physicians it intends to graduate. While programs must demonstrate substantial compliance with the Common and specialty-specific Program Requirements, it is recognized that within this framework, programs may place different emphasis on research, leadership, public health, etc. It is expected that the program aims will reflect the nuanced program-specific goals for it and its graduates; for example, it is expected that a program aiming to prepare physician-scientists will have a different curriculum from one focusing on community health.

IV.A. The curriculum must contain the following educational components: ^(Core)

IV.A.1. a set of program aims consistent with the Sponsoring Institution’s mission, the needs of the community it serves, and the desired distinctive capabilities of its graduates; ^(Core)

IV.A.1.a) The program’s aims must be made available to program applicants, residents, and faculty members. ^(Core)

IV.A.2. competency-based goals and objectives for each educational experience designed to promote progress on a trajectory to autonomous practice. These must be distributed, reviewed, and available to residents and faculty members; ^(Core)

Background and Intent: The trajectory to autonomous practice is documented by Milestones evaluation. The Milestones detail the progress of a resident in attaining skill in each competency domain. They are developed by each specialty group and allow evaluation based on observable behaviors. Milestones are considered formative and should be used to identify learning needs. This may lead to focused or general curricular revision in any given program or to individualized learning plans for any specific resident.

616

617 **IV.A.3.** delineation of resident responsibilities for patient care, progressive
618 responsibility for patient management, and graded supervision; ^(Core)
619

Background and Intent: These responsibilities may generally be described by PGY level and specifically by Milestones progress as determined by the Clinical Competency Committee. This approach encourages the transition to competency-based education. An advanced learner may be granted more responsibility independent of PGY level and a learner needing more time to accomplish a certain task may do so in a focused rather than global manner.

620
621 **IV.A.4.** a broad range of structured didactic activities; ^(Core)
622

623 **IV.A.4.a)** Residents must be provided with protected time to participate
624 in core didactic activities. ^(Core)
625

Background and Intent: It is intended that residents will participate in structured didactic activities. It is recognized that there may be circumstances in which this is not possible. Programs should define core didactic activities for which time is protected and the circumstances in which residents may be excused from these didactic activities. Didactic activities may include, but are not limited to, lectures, conferences, courses, labs, asynchronous learning, simulations, drills, case discussions, grand rounds, didactic teaching, and education in critical appraisal of medical evidence.

626
627 **IV.A.5.** advancement of residents' knowledge of ethical principles
628 foundational to medical professionalism; and, ^(Core)
629

630 **IV.A.6.** advancement in the residents' knowledge of the basic principles of
631 scientific inquiry, including how research is designed, conducted,
632 evaluated, explained to patients, and applied to patient care. ^(Core)
633

634 **IV.B.** **ACGME Competencies**
635

Background and Intent: The Competencies provide a conceptual framework describing the required domains for a trusted physician to enter autonomous practice. These Competencies are core to the practice of all physicians, although the specifics are further defined by each specialty. The developmental trajectories in each of the Competencies are articulated through the Milestones for each specialty.

636
637 **IV.B.1.** The program must integrate the following ACGME Competencies
638 into the curriculum: ^(Core)
639

640 **IV.B.1.a)** **Professionalism**

641
642 Residents must demonstrate a commitment to
643 professionalism and an adherence to ethical principles. ^(Core)
644

645 **IV.B.1.a).(1)** Residents must demonstrate competence in:
646

647 IV.B.1.a).(1).(a) compassion, integrity, and respect for others;
648 (Core)

649
650 IV.B.1.a).(1).(b) responsiveness to patient needs that
651 supersedes self-interest; (Core)
652

Background and Intent: This includes the recognition that under certain circumstances, the interests of the patient may be best served by transitioning care to another provider. Examples include fatigue, conflict or duality of interest, not connecting well with a patient, or when another physician would be better for the situation based on skill set or knowledge base.

653
654 IV.B.1.a).(1).(c) respect for patient privacy and autonomy; (Core)
655

656 IV.B.1.a).(1).(d) accountability to patients, society, and the
657 profession; (Core)
658

659 IV.B.1.a).(1).(e) respect and responsiveness to diverse patient
660 populations, including but not limited to
661 diversity in gender, age, culture, race, religion,
662 disabilities, national origin, socioeconomic
663 status, and sexual orientation; (Core)
664

665 IV.B.1.a).(1).(f) ability to recognize and develop a plan for one's
666 own personal and professional well-being; and,
667 (Core)
668

669 IV.B.1.a).(1).(g) appropriately disclosing and addressing
670 conflict or duality of interest. (Core)
671

672 IV.B.1.b) Patient Care and Procedural Skills
673

Background and Intent: Quality patient care is safe, effective, timely, efficient, patient-centered, equitable, and designed to improve population health, while reducing per capita costs. (See the Institute of Medicine [IOM]'s *Crossing the Quality Chasm: A New Health System for the 21st Century*, 2001 and Berwick D, Nolan T, Whittington J. *The Triple Aim: care, cost, and quality. Health Affairs. 2008; 27(3):759-769.*) In addition, there should be a focus on improving the clinician's well-being as a means to improve patient care and reduce burnout among residents, fellows, and practicing physicians.

These organizing principles inform the Common Program Requirements across all Competency domains. Specific content is determined by the Review Committees with input from the appropriate professional societies, certifying boards, and the community.

674
675 IV.B.1.b).(1) Residents must be able to provide patient care that is
676 compassionate, appropriate, and effective for the
677 treatment of health problems and the promotion of
678 health. (Core)
679

680	IV.B.1.b).(1).(a)	Residents must demonstrate competence in:
681		
682	IV.B.1.b).(1).(a).(i)	patient evaluation to include: pertinent
683		patient information relevant to the requested
684		procedure using patient interview; chart and
685		computer data base review; the
686		performance of a focused physical
687		examination as indicated; and
688		communication with the referring physician;
689		(Core)
690		
691	IV.B.1.b).(1).(a).(ii)	selection, performance, and interpretation of
692		appropriate:
693		
694	IV.B.1.b).(1).(a).(ii).(a)	musculoskeletal studies, including
695		bone mineral density
696		measurements, for malignant and
697		benign disease, (Core)
698		
699	IV.B.1.b).(1).(a).(ii).(b)	myocardial perfusion imaging with
700		treadmill and pharmacologic stress,
701		including patient monitoring, with
702		emphasis on electrocardiographic
703		interpretation; (Core)
704		
705	IV.B.1.b).(1).(a).(ii).(c)	electrocardiogram (ECG)-gated
706		ventriculography for evaluation of
707		ventricular performance; (Core)
708		
709	IV.B.1.b).(1).(a).(ii).(d)	endocrinologic studies, including
710		studies of the thyroid and
711		parathyroid; (Core)
712		
713	IV.B.1.b).(1).(a).(ii).(d).(i)	When appropriate, thyroid
714		studies must include
715		measurement of iodine
716		uptake and dosimetry
717		calculations for radio-iodine
718		therapy. (Core)
719		
720	IV.B.1.b).(1).(a).(ii).(e)	gastrointestinal studies, including
721		transit studies, and studies of the
722		liver and hepatobiliary system, of
723		bleeding, and of Meckel's
724		diverticulum; (Core)
725		
726	IV.B.1.b).(1).(a).(ii).(f)	infection studies, such as gallium
727		citrate, FDG PET, labeled
728		leukocytes, and bone marrow; (Core)
729		
730	IV.B.1.b).(1).(a).(ii).(g)	neurologic studies, including studies

731		of cerebral perfusion, cerebral metabolism, and cerebrospinal fluid, including studies of dementia, epilepsy, and brain death; ^(Core)
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736	IV.B.1.b).(1).(a).(ii).(h)	oncologic studies, including studies of sentinel node localization, fluorodeoxyglucose (FDG), Meta-Iodo-Benzyl-Guanidine (MIBG), somatostatin-receptor imaging, and other agents as they become available; ^(Core)
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744	IV.B.1.b).(1).(a).(ii).(i)	pulmonary studies, including studies of perfusion and ventilation for pulmonary embolus, right-to-left shunts, and quantitative assessment of perfusion and ventilation; ^(Core)
745		
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750	IV.B.1.b).(1).(a).(ii).(j)	urinary tract studies, including studies of renal perfusion, function and cortical imaging, and renal scintigraphy with pharmacologic interventions and, ^(Core)
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756	IV.B.1.b).(1).(a).(ii).(k)	PET, PET/CT, and other hybrid molecular imaging studies for both oncologic and non-oncologic indications; ^(Core)
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761	IV.B.1.b).(1).(a).(ii).(l)	cross-sectional imaging of the brain, head and neck, thorax, abdomen, and pelvis with CT in the context of SPECT/CT and PET/CT; ^(Core)
762		
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766	IV.B.1.b).(1).(a).(ii).(m)	therapeutic administration of radioiodine for both malignant and benign thyroid disease, including: patient selection; evaluating risks and benefits; determining the administered activity; patient identity verification; obtaining informed consent; documenting pregnancy status; using administrative controls to prevent a medical event; complying with federal and state regulations regarding medical use of radiopharmaceuticals; counseling patients and their families about radiation safety issues; and scheduling and performing post-
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782		therapy follow-up; ^(Core)
783		
784	IV.B.1.b).(1).(a).(ii).(n)	therapeutic administration of other
785		unsealed radiopharmaceuticals for
786		malignant and benign diseases,
787		including: patient selection;
788		evaluating risks and benefits;
789		determining the administered
790		activity; patient identity verification;
791		obtaining informed consent;
792		documenting pregnancy status;
793		using administrative controls to
794		prevent a medical event; complying
795		with federal and state regulations
796		regarding the medical use of
797		radiopharmaceuticals; counseling
798		patients and their families about
799		radiation safety issues; and
800		scheduling and performing post-
801		therapy follow-up; ^(Core)
802		
803	IV.B.1.b).(1).(a).(ii).(o)	selection of the appropriate single
804		photon or positron emitting
805		radiopharmaceutical, administered
806		activity, imaging technique, data
807		analysis, and image presentation;
808		and, ^(Core)
809		
810	IV.B.1.b).(1).(a).(ii).(p)	supervisory skills. ^(Core)
811		
812	IV.B.1.b).(1).(b)	Residents must demonstrate compliance with
813		radiation safety rules and regulations, including
814		Nuclear Regulatory Commission (NRC) or
815		agreement state rules, local regulations, and the
816		ALARA (as low as reasonably achievable) principle
817		for radiation protection; and, ^(Core)
818		
819	IV.B.1.b).(1).(c)	Residents must have certification in both basic and
820		advanced cardiac life support. ^(Core)
821		
822	IV.B.1.b).(2)	Residents must be able to perform all medical,
823		diagnostic, and surgical procedures considered
824		essential for the area of practice. ^(Core)
825		
826	IV.B.1.b).(2).(a)	Residents must demonstrate competence in:
827		
828	IV.B.1.b).(2).(a).(i)	performing nuclear medicine procedures as
829		well as the review and interpretation of the
830		resulting images; ^(Core)
831		
832	IV.B.1.b).(2).(a).(ii)	preparing radiopharmaceuticals, including

833		preparing patient administered activity and performing quality control measures; ^(Core)
834		
835		
836	IV.B.1.b).(2).(a).(iii)	recommending, planning, conducting, supervising, interpreting, and reporting diagnostic and therapeutic nuclear medicine procedures appropriate for the clinical problem or condition; and, ^(Core)
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842	IV.B.1.b).(2).(a).(iv)	correlating the nuclear medicine procedure with clinical information, laboratory, and other procedural or imaging studies. ^(Core)
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846	IV.B.1.c)	Medical Knowledge
847		
848		Residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological and social-behavioral sciences, as well as the application of this knowledge to patient care. ^(Core)
849		
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851		
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853	IV.B.1.c).(1)	Residents must demonstrate knowledge of:
854		
855	IV.B.1.c).(1).(a)	radiation safety; ^(Core)
856		
857	IV.B.1.c).(1).(b)	nuclear medicine instrumentation, including quality control; ^(Core)
858		
859		
860	IV.B.1.c).(1).(c)	nuclear medicine procedures, including: ^(Core)
861		
862	IV.B.1.c).(1).(c).(i)	cardiovascular; ^(Core)
863		
864	IV.B.1.c).(1).(c).(ii)	endocrine; ^(Core)
865		
866	IV.B.1.c).(1).(c).(iii)	gastrointestinal; ^(Core)
867		
868	IV.B.1.c).(1).(c).(iv)	infection; ^(Core)
869		
870	IV.B.1.c).(1).(c).(v)	musculoskeletal; ^(Core)
871		
872	IV.B.1.c).(1).(c).(vi)	neurologic; ^(Core)
873		
874	IV.B.1.c).(1).(c).(vii)	oncologic; ^(Core)
875		
876	IV.B.1.c).(1).(c).(viii)	pulmonary, ^(Core)
877		
878	IV.B.1.c).(1).(c).(ix)	urinary tract; ^(Core)
879		
880	IV.B.1.c).(1).(c).(x)	PET and PET/CT for oncologic and non-oncologic indications; and, ^(Core)
881		
882		
883	IV.B.1.c).(1).(c).(xi)	cross-sectional imaging of the brain, head

884		and neck, thorax, abdomen, and pelvis with
885		CT in the context of SPECT/CT and
886		PET/CT. ^(Core)
887		
888	IV.B.1.c).(1).(d)	diagnostic use of radiopharmaceuticals: clinical
889		indications, technical performance, and
890		interpretation of in-vivo imaging of the body organs
891		and systems; using external detectors and
892		scintillation cameras, including SPECT, SPECT/CT,
893		PET, and PET/CT; and correlation of nuclear
894		medicine procedures with other pertinent imaging
895		modalities; ^(Core)
896		
897	IV.B.1.c).(2)	exercise and pharmacologic stress testing,
898		including the pharmacology of cardioactive drugs
899		and physiologic gating techniques; ^(Core)
900		
901	IV.B.1.c).(2).(a)	non-imaging studies; ^(Core)
902		
903	IV.B.1.c).(2).(b)	radioiodine therapy for malignant and benign
904		thyroid disease; ^(Core)
905		
906	IV.B.1.c).(2).(c)	therapeutic uses of other unsealed
907		radiopharmaceuticals in the treatment of malignant
908		and benign diseases; and, ^(Core)
909		
910	IV.B.1.c).(2).(d)	fundamentals of imaging molecular targets,
911		processes and events, and existing and emerging
912		molecular imaging techniques, particularly as they
913		relate to current clinical practice. ^(Core)
914		
915	IV.B.1.d)	Practice-based Learning and Improvement
916		
917		Residents must demonstrate the ability to investigate and
918		evaluate their care of patients, to appraise and assimilate
919		scientific evidence, and to continuously improve patient care
920		based on constant self-evaluation and lifelong learning. ^(Core)
921		

Background and Intent: Practice-based learning and improvement is one of the defining characteristics of being a physician. It is the ability to investigate and evaluate the care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning.

The intention of this Competency is to help a physician develop the habits of mind required to continuously pursue quality improvement, well past the completion of residency.

922		
923	IV.B.1.d).(1)	Residents must demonstrate competence in:
924		

925	IV.B.1.d).(1).(a)	identifying strengths, deficiencies, and limits in one’s knowledge and expertise; ^(Core)
926		
927		
928	IV.B.1.d).(1).(b)	setting learning and improvement goals; ^(Core)
929		
930	IV.B.1.d).(1).(c)	identifying and performing appropriate learning activities; ^(Core)
931		
932		
933	IV.B.1.d).(1).(d)	systematically analyzing practice using quality improvement methods, and implementing changes with the goal of practice improvement; ^(Core)
934		
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938	IV.B.1.d).(1).(e)	incorporating feedback and formative evaluation into daily practice; ^(Core)
939		
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941	IV.B.1.d).(1).(f)	locating, appraising, and assimilating evidence from scientific studies related to their patients’ health problems; ^(Core)
942		
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945	IV.B.1.d).(1).(g)	using information technology to optimize learning; ^(Core)
946		
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948	IV.B.1.d).(1).(h)	regularly obtaining follow-up information, and correlating the clinical findings with their study interpretation; and, ^(Core)
949		
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952	IV.B.1.d).(1).(i)	evaluating their personal practice utilizing scientific evidence, best practices, and/or self-assessment programs or modules for practice improvement. ^(Core)
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957	IV.B.1.e)	Interpersonal and Communication Skills
958		
959		
960		
961		
962		
963		
964	IV.B.1.e).(1)	Residents must demonstrate competence in:
965		
966	IV.B.1.e).(1).(a)	communicating effectively with patients, families, and the public, as appropriate, across a broad range of socioeconomic and cultural backgrounds; ^(Core)
967		
968		
969		
970		
971	IV.B.1.e).(1).(b)	communicating effectively with physicians, other health professionals, and health-related agencies; ^(Core)
972		
973		
974		

975	IV.B.1.e).(1).(c)	working effectively as a member or leader of a health care team or other professional group;
976		<small>(Core)</small>
977		
978		
979	IV.B.1.e).(1).(d)	educating patients, families, students, residents, and other health professionals;
980		<small>(Core)</small>
981		
982	IV.B.1.e).(1).(e)	acting in a consultative role to other physicians and health professionals;
983		<small>(Core)</small>
984		
985	IV.B.1.e).(1).(f)	maintaining comprehensive, timely, and legible medical records, if applicable;
986		<small>(Core)</small>
987		
988	IV.B.1.e).(1).(g)	preparing a complete and concise nuclear medicine procedure interpretation report;
989		<small>(Core)</small>
990		
991	IV.B.1.e).(1).(h)	communicating the final procedure interpretation, an appropriate differential diagnosis, and any clinical, diagnostic, or therapeutic recommendations promptly and clearly to the referring health care provider;
992		<small>(Core)</small>
993		
994		
995		
996		
997	IV.B.1.e).(1).(i)	providing effective contributions to interdisciplinary and clinical didactic conferences;
998		<small>(Core)</small>
999		
1000	IV.B.1.e).(1).(j)	educating patients and their families about diagnostic and therapeutic nuclear medicine procedures; and,
1001		<small>(Core)</small>
1002		
1003		
1004	IV.B.1.e).(1).(k)	supervising and teaching junior residents, residents from other services, and students on rotations in nuclear medicine.
1005		<small>(Core)</small>
1006		
1007		
1008	IV.B.1.e).(2)	Residents must learn to communicate with patients and families to partner with them to assess their care goals, including, when appropriate, end-of-life goals.
1009		<small>(Core)</small>
1010		
1011		
1012		

Background and Intent: When there are no more medications or interventions that can achieve a patient’s goals or provide meaningful improvements in quality or length of life, a discussion about the patient’s goals, values, and choices surrounding the end of life is one of the most important conversations that can occur. Residents must learn to participate effectively and compassionately in these meaningful human interactions, for the sake of their patients and themselves.

Programs may teach this skill through direct clinical experience, simulation, or other means of active learning.

1013		
1014	IV.B.1.f)	Systems-based Practice
1015		

1016 Residents must demonstrate an awareness of and
1017 responsiveness to the larger context and system of health
1018 care, including the social determinants of health, as well as
1019 the ability to call effectively on other resources to provide
1020 optimal health care. ^(Core)
1021

1022 **IV.B.1.f).(1)** Residents must demonstrate competence in:

1023
1024 **IV.B.1.f).(1).(a)** working effectively in various health care
1025 delivery settings and systems relevant to their
1026 clinical specialty; ^(Core)
1027

Background and Intent: Medical practice occurs in the context of an increasingly complex clinical care environment where optimal patient care requires attention to compliance with external and internal administrative and regulatory requirements.

1028
1029 **IV.B.1.f).(1).(b)** coordinating patient care across the health care
1030 continuum and beyond as relevant to their
1031 clinical specialty; ^(Core)
1032

Background and Intent: Every patient deserves to be treated as a whole person. Therefore it is recognized that any one component of the health care system does not meet the totality of the patient's needs. An appropriate transition plan requires coordination and forethought by an interdisciplinary team. The patient benefits from proper care and the system benefits from proper use of resources.

1033
1034 **IV.B.1.f).(1).(c)** advocating for quality patient care and optimal
1035 patient care systems; ^(Core)
1036

1037 **IV.B.1.f).(1).(d)** working in interprofessional teams to enhance
1038 patient safety and improve patient care quality;
1039 ^(Core)
1040

1041 **IV.B.1.f).(1).(e)** participating in identifying system errors and
1042 implementing potential systems solutions; ^(Core)
1043

1044 **IV.B.1.f).(1).(f)** incorporating considerations of value, cost
1045 awareness, delivery and payment, and risk-
1046 benefit analysis in patient and/or population-
1047 based care as appropriate; ^(Core)
1048

1049 **IV.B.1.f).(1).(g)** understanding health care finances and its
1050 impact on individual patients' health decisions;
1051 ^(Core)
1052

1053 **IV.B.1.f).(1).(h)** demonstrating an understanding of how the
1054 components of the local and national health care
1055 system function interdependently, and how
1056 changes to improve the system involve group and
1057 individual efforts; and, ^(Core)
1058

1059 IV.B.1.f).(1).(h).(i) Residents must function as consultants for
1060 other health care professionals, and act as
1061 resources for information regarding the
1062 appropriate use of imaging resources, and
1063 efforts. (Core)
1064

1065 IV.B.1.f).(1).(i) identifying existing systems problems that
1066 compromise patient care, systematically analyzing
1067 the problems, developing solutions, and evaluating
1068 the effectiveness of interventions at the
1069 departmental, institutional, local, or national levels.
1070 (Core)
1071

1072 **IV.B.1.f).(2)** Residents must learn to advocate for patients within
1073 the health care system to achieve the patient's and
1074 family's care goals, including, when appropriate, end-
1075 of-life goals. (Core)
1076

1077 **IV.C. Curriculum Organization and Resident Experiences**

1078
1079 **IV.C.1. The curriculum must be structured to optimize resident educational**
1080 **experiences, the length of these experiences, and supervisory**
1081 **continuity. (Core)**
1082

1083 IV.C.1.a) The assignment of educational experiences should be structured
1084 to minimize the frequency of transitions. (Detail)
1085

1086 IV.C.1.b) Educational experiences should be of sufficient length to provide a
1087 quality educational experience defined by ongoing supervision,
1088 longitudinal relationships with faculty members, and high-quality
1089 assessment and feedback. (Detail)
1090

Background and Intent: In some specialties, frequent rotational transitions, inadequate continuity of faculty member supervision, and dispersed patient locations within the hospital have adversely affected optimal resident education and effective team-based care. The need for patient care continuity varies from specialty to specialty and by clinical situation, and may be addressed by the individual Review Committee.

1091
1092 **IV.C.2. The program must provide instruction and experience in pain**
1093 **management if applicable for the specialty, including recognition of**
1094 **the signs of addiction. (Core)**
1095

1096 IV.C.3. There must be a formal didactic lecture schedule. (Core)
1097

1098 IV.C.3.a) Residents must attend the regularly scheduled didactic lectures.
1099 (Core)
1100

1101 IV.C.3.b) This schedule should indicate the specific date and time of each
1102 lecture, the topic of each lecture, the individual presenting each
1103 lecture, and the duration of each lecture. (Detail)

1104		
1105	IV.C.3.c)	The didactic curriculum should include all topics included in the
1106		Medical Knowledge outcomes (IV.B.1.c)). ^(Core)
1107		
1108	IV.C.4.	Basic Science Educational Program
1109		
1110	IV.C.4.a)	Residents must complete classroom and laboratory experience in
1111		basic radionuclide handling techniques applicable to the medical
1112		use of unsealed byproduct material and radionuclides requiring a
1113		written directive. This must include: ^(Core)
1114		
1115	IV.C.4.a).(1)	radiation physics and instrumentation, including: ^(Core)
1116		
1117	IV.C.4.a).(1).(a)	radiation physics: structure of matter, modes of
1118		radioactive decay, particle and photon emissions,
1119		and interactions of radiation with matter; and, ^(Core)
1120		
1121	IV.C.4.a).(1).(b)	instrumentation: principles of instrumentation used
1122		in detection, measurement, and imaging of
1123		radioactivity with special emphasis on gamma
1124		cameras, including single photon emission
1125		computed tomography (SPECT), SPECT/computed
1126		tomography (CT), positron emission tomography
1127		(PET), and PET/CT systems, and associated
1128		electronic instrumentation and computers employed
1129		in image production and display. ^(Core)
1130		
1131	IV.C.4.a).(1).(b).(i)	Instruction must be provided in the
1132		instrumentation principles of magnetic
1133		resonance imaging (MRI) and multi-slice
1134		CT. ^(Core)
1135		
1136	IV.C.4.a).(2)	radiation protection and regulations, including means of
1137		reducing radiation exposure, radiation dose limits,
1138		evaluation of patients exposed to potentially dangerous
1139		levels of radiation, assisting in the medical management of
1140		persons exposed to ionizing radiation, management and
1141		disposal of radioactive substances, and establishment of
1142		radiation safety programs in accordance with federal and
1143		state regulations; ^(Core)
1144		
1145	IV.C.4.a).(3)	mathematics pertaining to the use and measurement of
1146		radioactivity, including statistics and medical decision
1147		making; ^(Core)
1148		
1149	IV.C.4.a).(4)	chemistry of radioactive material for medical use, including:
1150		reactor, cyclotron, and generator production of
1151		radionuclides; radiochemistry; and formulation of
1152		radiopharmaceuticals; and, ^(Core)
1153		
1154	IV.C.4.a).(5)	radiation biology, including biological effects of ionizing

1155		radiation and calculation of radiation dose. (Core)
1156		
1157	IV.C.5.	All residents and faculty members must participate in regularly scheduled clinical nuclear medicine seminars, journal clubs, and interdisciplinary conferences. (Core)
1158		
1159		
1160		
1161	IV.C.5.a)	Participation in regularly scheduled seminars, conferences, and journal clubs should be documented with attendance logs. (Core)
1162		
1163		
1164	IV.C.6.	All residents must log cases in the ACGME Case Log System as defined by the Review Committee. (Core)
1165		
1166		
1167	IV.C.6.a)	The logs must be submitted annually to the Review Committee in accordance with the specified format and due date. (Core)
1168		
1169		
1170	IV.C.6.b)	The record must be reviewed by the program director at least annually. (Core)
1171		
1172		
1173	IV.C.7.	Residents entering the program at any level must:
1174		
1175	IV.C.7.a)	participate in a radiopharmacy rotation; (Core)
1176		
1177	IV.C.7.a).(1)	This experience must include:
1178		
1179	IV.C.7.a).(1).(a)	ordering, receiving, and unpacking radioactive materials safely, and performing the related radiation surveys; (Core)
1180		
1181		
1182		
1183	IV.C.7.a).(1).(b)	performing quality control procedures on instruments used to determine the activity of dosages, and performing checks for proper operation of survey meters; (Core)
1184		
1185		
1186		
1187		
1188	IV.C.7.a).(1).(c)	calculating, measuring, and safely preparing patient or human research subject dosages; (Core)
1189		
1190		
1191	IV.C.7.a).(1).(d)	using administrative controls to prevent a medical event involving the use of unsealed byproduct material; (Core)
1192		
1193		
1194		
1195	IV.C.7.a).(1).(e)	using procedures to safely contain spilled radioactive material and using proper decontamination procedures; and, (Core)
1196		
1197		
1198		
1199	IV.C.7.a).(1).(f)	administering dosages of radioactive drugs to patients or human research subjects. (Core)
1200		
1201		
1202	IV.C.7.b)	participate, with appropriate supervision, in the performance of nuclear medicine imaging and non-imaging procedures to include instrumentation quality control; (Core)
1203		
1204		
1205		

1206	IV.C.7.c)	participate in basic radiation safety and survey procedures; (Core)
1207		
1208	IV.C.7.d)	maintain a Resident Learning Portfolio, which must be reviewed with the program director as part of the semiannual evaluation, and must include: (Core)
1209		
1210		
1211		
1212	IV.C.7.d).(1)	Patient Care
1213		
1214	IV.C.7.d).(1).(a)	documentation, in the ACGME Case Log System, of participation in the following required nuclear medicine procedures:
1215		
1216		
1217		
1218	IV.C.7.d).(1).(a).(i)	a minimum of 30 cases of oral administration of sodium iodide I-131, for which a written directive is required; (Core)
1219		
1220		
1221		
1222	IV.C.7.d).(1).(a).(i).(a)	At least 10 of these cases must be for malignant disease, and at least 10 cases must be for benign disease. (Core)
1223		
1224		
1225		
1226		
1227	IV.C.7.d).(1).(a).(i).(b)	At least three of these cases must be less than or equal to 1.22 gigabecquerels (33 millicuries) of sodium iodide I-131, and at least three cases must be greater than 1.22 gigabecquerels (33 millicuries) of sodium iodide I-131. (Core)
1228		
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1234		
1235	IV.C.7.d).(1).(a).(ii)	a minimum of five cases of parenteral administration of any alpha emitter, beta emitter, or a photon-emitting radionuclide with a photon energy less than 150 keV, for which a written directive is required, and/or parenteral administration of any other radionuclide, for which a written directive is required; and, (Core)
1236		
1237		
1238		
1239		
1240		
1241		
1242		
1243		
Specialty-Specific Background and Intent: It is preferred that the resident experience include a variety of radioisotopes.		
1244		
1245	IV.C.7.d).(1).(a).(iii)	a minimum of 100 cardiovascular pharmacologic and/or exercise stress studies. (Core)
1246		
1247		
1248		
1249	IV.C.7.d).(1).(b)	documentation, in the ACGME Case Log System, of participation in therapeutic procedures, including date, diagnosis, and administered activity of each therapy; (Core)
1250		
1251		
1252		
1253		
1254	IV.C.7.d).(1).(c)	documentation, in the ACGME Case Log System,

1255		of participation in stress myocardial studies,
1256		including date, radiopharmaceutical, and type of
1257		stress (exercise or pharmacologic); ^(Core)
1258		
1259	IV.C.7.d).(1).(d)	documentation, in the ACGME Case Log System,
1260		of the completion of a minimum of 100 pediatric
1261		nuclear medicine procedures over the course of the
1262		educational program; and, ^(Core)
1263		
1264	IV.C.7.d).(1).(e)	documentation of basic cardiac life support (BCLS)
1265		and advanced cardiac life support (ACLS)
1266		certification. ^(Core)
1267		
1268	IV.C.7.d).(2)	Medical Knowledge
1269		
1270	IV.C.7.d).(2).(a)	documentation of conference presentations,
1271		external courses and meetings attended, and self-
1272		assessment modules completed; ^(Core)
1273		
1274	IV.C.7.d).(2).(b)	documentation of compliance with regulatory-based
1275		training requirements; and, ^(Core)
1276		
1277	IV.C.7.d).(2).(c)	documentation of performance on the annual in-
1278		training examination. ^(Core)
1279		
1280	IV.C.7.d).(3)	Practice-based Learning and Improvement
1281		
1282	IV.C.7.d).(3).(a)	completion of an annual resident self-assessment
1283		and learning plan. ^(Core)
1284		
1285	IV.C.7.d).(3).(a).(i)	Residents' evaluations of their personal
1286		practice must be part of individual learning
1287		plans in the Resident Learning Portfolios (as
1288		described in IV.C.7.d)). ^(Core)
1289		
1290	IV.C.7.d).(4)	Interpersonal and Communication Skills
1291		
1292	IV.C.7.d).(4).(a)	formal faculty member evaluation of report quality.
1293		^(Core)
1294		
1295	IV.C.7.d).(5)	Professionalism
1296		
1297	IV.C.7.d).(5).(a)	documentation of compliance with institutional and
1298		departmental policies; and, ^(Core)
1299		
1300	IV.C.7.d).(5).(b)	status of medical license. ^(Core)
1301		
1302	IV.C.7.d).(6)	Systems-based Practice
1303		
1304	IV.C.7.d).(6).(a)	documentation of participation in identifying and
1305		implementing potential systems solutions. ^(Core)

- 1306
 1307 IV.C.7.d).(7) Scholarly Activities
 1308
 1309 IV.C.7.d).(7).(a) documentation of scholarly activity, such as
 1310 publications or announcement of presentations;
 1311 and, (Core)
 1312
 1313 IV.C.7.d).(7).(b) any additional materials requested by the program
 1314 director; ~~and,~~ (Core)
 1315
 1316 ~~IV.C.7.d).(7).(c) submission of a scholarly activity project to the~~
 1317 ~~program director for evaluation by the completion of~~
 1318 ~~the program.~~ (Core)
 1319
 1320 IV.C.8. Residents entering the program at the NM1 level must:
 1321
 1322 IV.C.8.a) participate in a minimum of six months of CT experience; and,
 1323 (Core)
 1324
 1325 IV.C.8.a).(1) A minimum of four months must be obtained on a
 1326 diagnostic radiology CT service. (Core)
 1327

Specialty-Specific Background and Intent: The interpretation of hybrid imaging, including SPECT/CT and PET/CT, and correlation of nuclear medicine studies with other imaging studies is an important part of the practice of nuclear medicine. Accordingly, the Review Committee recommends that residents participating in these studies participate in the recognition, classification, and communication of significant abnormalities in diagnostic CT studies, including the creation of written reports. The Review Committee also recommends that this experience include a variety of CT studies, for example, studies of the head and neck, thorax, abdomen, and pelvis. The Review Committee recommends a similar experience in MRI, which may be helpful for trainees.

- 1328
 1329 IV.C.8.a).(2) The remaining two months may be continued on the
 1330 diagnostic CT service and/or may be combined with a
 1331 rotation that includes PET/CT or SPECT/CT. (Core)
 1332
 1333 IV.C.8.a).(3) This experience must be supervised by qualified faculty
 1334 members. (Core)
 1335
 1336 IV.C.8.b) have no more than six total months of elective rotations and/or
 1337 dedicated research time during the program. (Core)
 1338
 1339 IV.C.9. Residents entering the program at the NM2 level must:
 1340
 1341 IV.C.9.a) participate in a minimum of six months of CT experience; and,
 1342 (Core)
 1343 IV.C.9.a).(1) A minimum of four months must be obtained on a
 1344 diagnostic radiology CT service. (Core)
 1345
 1346 IV.C.9.a).(2) The remaining two months may be continued on the
 1347 diagnostic radiology CT service and/or may be combined

1348 with a rotation that includes PET/CT or SPECT/CT. (Core)

1349
1350 IV.C.9.a).(3) This experience must be supervised by qualified faculty
1351 members. (Core)

1352
1353 IV.C.9.b) have no more than four total months of elective rotations and/or
1354 dedicated research time during the program. (Core)

1355
1356 IV.C.10. Residents entering the program at the NM3 level must:

1357
1358 IV.C.10.a) have no more than two total months of elective rotations and/or
1359 dedicated research time during the program. (Core)

1360
1361 IV.C.10.b) Residents who have satisfactorily completed a diagnostic
1362 radiology program accredited by the ACGME, or a diagnostic
1363 radiology program located in Canada and accredited by the
1364 RCPSC are exempt from the six-month CT experience
1365 requirement. (Core)

1366
1367 **IV.D. Scholarship**

1368
1369 ***Medicine is both an art and a science. The physician is a humanistic***
1370 ***scientist who cares for patients. This requires the ability to think critically,***
1371 ***evaluate the literature, appropriately assimilate new knowledge, and***
1372 ***practice lifelong learning. The program and faculty must create an***
1373 ***environment that fosters the acquisition of such skills through resident***
1374 ***participation in scholarly activities. Scholarly activities may include***
1375 ***discovery, integration, application, and teaching.***

1376
1377 ***The ACGME recognizes the diversity of residencies and anticipates that***
1378 ***programs prepare physicians for a variety of roles, including clinicians,***
1379 ***scientists, and educators. It is expected that the program's scholarship will***
1380 ***reflect its mission(s) and aims, and the needs of the community it serves.***
1381 ***For example, some programs may concentrate their scholarly activity on***
1382 ***quality improvement, population health, and/or teaching, while other***
1383 ***programs might choose to utilize more classic forms of biomedical***
1384 ***research as the focus for scholarship.***

1385
1386 **IV.D.1. Program Responsibilities**

1387
1388 **IV.D.1.a) The program must demonstrate evidence of scholarly**
1389 **activities consistent with its mission(s) and aims. (Core)**

1390
1391 **IV.D.1.b) The program, in partnership with its Sponsoring Institution,**
1392 **must allocate adequate resources to facilitate resident and**
1393 **faculty involvement in scholarly activities. (Core)**

1394
1395 **IV.D.1.c) The program must advance residents' knowledge and**
1396 **practice of the scholarly approach to evidence-based patient**
1397 **care. (Core)**

1398

Background and Intent: The scholarly approach can be defined as a synthesis of teaching, learning, and research with the aim of encouraging curiosity and critical thinking based on an understanding of physiology, pathophysiology, differential diagnosis, treatments, treatment alternatives, efficiency of care, and patient safety. While some faculty members are responsible for fulfilling the traditional elements of scholarship through research, integration, and teaching, all faculty members are responsible for advancing residents' scholarly approach to patient care.

Elements of a scholarly approach to patient care include:

- Asking meaningful questions to stimulate residents to utilize learning resources to create a differential diagnosis, a diagnostic algorithm, and treatment plan
- Challenging the evidence that the residents use to reach their medical decisions so that they understand the benefits and limits of the medical literature
- When appropriate, dissemination of scholarly learning in a peer-reviewed manner (publication or presentation)
- Improving resident learning by encouraging them to teach using a scholarly approach

The scholarly approach to patient care begins with curiosity, is grounded in the principles of evidence-based medicine, expands the knowledge base through dissemination, and develops the habits of lifelong learning by encouraging residents to be scholarly teachers.

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IV.D.2. Faculty Scholarly Activity

**IV.D.2.a) Among their scholarly activity, programs must demonstrate accomplishments in at least three of the following domains:
(Core)**

- Research in basic science, education, translational science, patient care, or population health
- Peer-reviewed grants
- Quality improvement and/or patient safety initiatives
- Systematic reviews, meta-analyses, review articles, chapters in medical textbooks, or case reports
- Creation of curricula, evaluation tools, didactic educational activities, or electronic educational materials
- Contribution to professional committees, educational organizations, or editorial boards
- Innovations in education

IV.D.2.b) The program must demonstrate dissemination of scholarly activity within and external to the program by the following methods:

Background and Intent: For the purposes of education, metrics of scholarly activity represent one of the surrogates for the program's effectiveness in the creation of an environment of inquiry that advances the residents' scholarly approach to patient care. The Review Committee will evaluate the dissemination of scholarship for the

program as a whole, not for individual faculty members, for a five-year interval, for both core and non-core faculty members, with the goal of assessing the effectiveness of the creation of such an environment. The ACGME recognizes that there may be differences in scholarship requirements between different specialties and between residencies and fellowships in the same specialty.

- 1423
1424 **IV.D.2.b).(1)** faculty participation in grand rounds, posters,
1425 workshops, quality improvement presentations,
1426 podium presentations, grant leadership, non-peer-
1427 reviewed print/electronic resources, articles or
1428 publications, book chapters, textbooks, webinars,
1429 service on professional committees, or serving as a
1430 journal reviewer, journal editorial board member, or
1431 editor; (Outcome)‡
1432
1433 **IV.D.2.b).(2)** peer-reviewed publication. (Outcome)
1434
1435 **IV.D.3. Resident Scholarly Activity**
1436
1437 **IV.D.3.a) Residents must participate in scholarship. (Core)**
1438
1439 **IV.D.3.b)** All residents must participate in a scholarly project under faculty
1440 member supervision. (Core)
1441
1442 **IV.D.3.b).(1)** The scholarly project should take the form of laboratory
1443 research, clinical research, or the analysis of disease
1444 processes, imaging techniques, or practice management
1445 issues. (Core)
1446
1447 **IV.D.3.b).(2)** The results must be published or presented at institutional,
1448 local, regional, or national meetings, and included in the
1449 Resident Learning Portfolio. (Outcome)
1450
1451 **IV.D.3.b).(3)** The program must specify how each project will be
1452 evaluated. (Core)
1453
1454 **V. Evaluation**
1455
1456 **V.A. Resident Evaluation**
1457
1458 **V.A.1. Feedback and Evaluation**
1459

Background and Intent: Feedback is ongoing information provided regarding aspects of one's performance, knowledge, or understanding. The faculty empower residents to provide much of that feedback themselves in a spirit of continuous learning and self-reflection. Feedback from faculty members in the context of routine clinical care should be frequent, and need not always be formally documented.

Formative and summative evaluation have distinct definitions. Formative evaluation is *monitoring resident learning* and providing ongoing feedback that can be used by

residents to improve their learning in the context of provision of patient care or other educational opportunities. More specifically, formative evaluations help:

- residents identify their strengths and weaknesses and target areas that need work
- program directors and faculty members recognize where residents are struggling and address problems immediately

Summative evaluation is *evaluating a resident's learning* by comparing the residents against the goals and objectives of the rotation and program, respectively. Summative evaluation is utilized to make decisions about promotion to the next level of training, or program completion.

End-of-rotation and end-of-year evaluations have both summative and formative components. Information from a summative evaluation can be used formatively when residents or faculty members use it to guide their efforts and activities in subsequent rotations and to successfully complete the residency program.

Feedback, formative evaluation, and summative evaluation compare intentions with accomplishments, enabling the transformation of a neophyte physician to one with growing expertise.

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- V.A.1.a)** Faculty members must directly observe, evaluate, and frequently provide feedback on resident performance during each rotation or similar educational assignment. ^(Core)

Background and Intent: Faculty members should provide feedback frequently throughout the course of each rotation. Residents require feedback from faculty members to reinforce well-performed duties and tasks, as well as to correct deficiencies. This feedback will allow for the development of the learner as they strive to achieve the Milestones. More frequent feedback is strongly encouraged for residents who have deficiencies that may result in a poor final rotation evaluation.

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- V.A.1.b)** Evaluation must be documented at the completion of the assignment. ^(Core)

- V.A.1.b).(1)** For block rotations of greater than three months in duration, evaluation must be documented at least every three months. ^(Core)

- V.A.1.b).(2)** Longitudinal experiences, such as continuity clinic in the context of other clinical responsibilities, must be evaluated at least every three months and at completion. ^(Core)

- V.A.1.c)** The program must provide an objective performance evaluation based on the Competencies and the specialty-specific Milestones, and must: ^(Core)

- 1482 **V.A.1.c).(1)** use multiple evaluators (e.g., faculty members, peers,
1483 patients, self, and other professional staff members);
1484 (Core)
1485
- 1486 **V.A.1.c).(2)** provide that information to the Clinical Competency
1487 Committee for its synthesis of progressive resident
1488 performance and improvement toward unsupervised
1489 practice; and, (Core)
1490
- 1491 **V.A.1.c).(3)** ensure that all residents achieve the required
1492 competencies and outcomes by completion of the
1493 program. (Core)
1494
- 1495 **V.A.1.d)** **The program director or their designee, with input from the
1496 Clinical Competency Committee, must:**
1497
- 1498 **V.A.1.d).(1)** meet with and review with each resident their
1499 documented semi-annual evaluation of performance,
1500 including progress along the specialty-specific
1501 Milestones; (Core)
1502
- 1503 **V.A.1.d).(2)** assist residents in developing individualized learning
1504 plans to capitalize on their strengths and identify areas
1505 for growth; and, (Core)
1506
- 1507 **V.A.1.d).(3)** develop plans for residents failing to progress,
1508 following institutional policies and procedures. (Core)
1509

Background and Intent: Learning is an active process that requires effort from the teacher and the learner. Faculty members evaluate a resident's performance at least at the end of each rotation. The program director or their designee will review those evaluations, including their progress on the Milestones, at a minimum of every six months. Residents should be encouraged to reflect upon the evaluation, using the information to reinforce well-performed tasks or knowledge or to modify deficiencies in knowledge or practice. Working together with the faculty members, residents should develop an individualized learning plan.

Residents who are experiencing difficulties with achieving progress along the Milestones may require intervention to address specific deficiencies. Such intervention, documented in an individual remediation plan developed by the program director or a faculty mentor and the resident, will take a variety of forms based on the specific learning needs of the resident. However, the ACGME recognizes that there are situations which require more significant intervention that may alter the time course of resident progression. To ensure due process, it is essential that the program director follow institutional policies and procedures.

- 1510
- 1511 **V.A.1.e)** **At least annually, there must be a summative evaluation of
1512 each resident that includes their readiness to progress to the
1513 next year of the program, if applicable. (Core)**
1514

1515	V.A.1.f)	The evaluations of a resident’s performance must be accessible for review by the resident. (Core)
1516		
1517		
1518	V.A.1.g)	Residents must participate in an annual In-Training Examination.
1519		(Core)
1520		
1521	V.A.1.g).(1)	The results of this examination must be used only to identify deficiencies in knowledge and to assist in developing a remediation plan. (Core)
1522		
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1525	V.A.2.	Final Evaluation
1526		
1527	V.A.2.a)	The program director must provide a final evaluation for each resident upon completion of the program. (Core)
1528		
1529		
1530	V.A.2.a).(1)	The specialty-specific Milestones, and when applicable the specialty-specific Case Logs, must be used as tools to ensure residents are able to engage in autonomous practice upon completion of the program.
1531		(Core)
1532		
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1536	V.A.2.a).(2)	The final evaluation must:
1537		
1538	V.A.2.a).(2).(a)	become part of the resident’s permanent record maintained by the institution, and must be accessible for review by the resident in accordance with institutional policy; (Core)
1539		
1540		
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1543	V.A.2.a).(2).(b)	verify that the resident has demonstrated the knowledge, skills, and behaviors necessary to enter autonomous practice; (Core)
1544		
1545		
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1547	V.A.2.a).(2).(c)	consider recommendations from the Clinical Competency Committee; and, (Core)
1548		
1549		
1550	V.A.2.a).(2).(d)	be shared with the resident upon completion of the program. (Core)
1551		
1552		
1553	V.A.3.	A Clinical Competency Committee must be appointed by the program director. (Core)
1554		
1555		
1556	V.A.3.a)	At a minimum, the Clinical Competency Committee must include three members of the program faculty, at least one of whom is a core faculty member. (Core)
1557		
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1560	V.A.3.a).(1)	Additional members must be faculty members from the same program or other programs, or other health professionals who have extensive contact and experience with the program’s residents. (Core)
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Background and Intent: The requirements regarding the Clinical Competency Committee do not preclude or limit a program director’s participation on the Clinical Competency Committee. The intent is to leave flexibility for each program to decide the best structure for its own circumstances, but a program should consider: its program director’s other roles as resident advocate, advisor, and confidante; the impact of the program director’s presence on the other Clinical Competency Committee members’ discussions and decisions; the size of the program faculty; and other program-relevant factors. The program director has final responsibility for resident evaluation and promotion decisions.

Program faculty may include more than the physician faculty members, such as other physicians and non-physicians who teach and evaluate the program’s residents. There may be additional members of the Clinical Competency Committee. Chief residents who have completed core residency programs in their specialty may be members of the Clinical Competency Committee.

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- V.A.3.b) The Clinical Competency Committee must:**
- V.A.3.b).(1) review all resident evaluations at least semi-annually;**
(Core)
 - V.A.3.b).(2) determine each resident’s progress on achievement of the specialty-specific Milestones; and,** (Core)
 - V.A.3.b).(3) meet prior to the residents’ semi-annual evaluations and advise the program director regarding each resident’s progress.** (Core)
- V.B. Faculty Evaluation**
- V.B.1. The program must have a process to evaluate each faculty member’s performance as it relates to the educational program at least annually.** (Core)

Background and Intent: The program director is responsible for the education program and for whom delivers it. While the term “faculty” may be applied to physicians within a given institution for other reasons, it is applied to residency program faculty members only through approval by a program director. The development of the faculty improves the education, clinical, and research aspects of a program. Faculty members have a strong commitment to the resident and desire to provide optimal education and work opportunities. Faculty members must be provided feedback on their contribution to the mission of the program. All faculty members who interact with residents desire feedback on their education, clinical care, and research. If a faculty member does not interact with residents, feedback is not required. With regard to the diverse operating environments and configurations, the residency program director may need to work with others to determine the effectiveness of the program’s faculty performance with regard to their role in the educational program. All teaching faculty members should have their educational efforts evaluated by the residents in a confidential and anonymous manner. Other aspects for the feedback may include research or clinical productivity, review of patient outcomes, or peer review of scholarly activity. The process should reflect the local environment and identify the necessary information.

The feedback from the various sources should be summarized and provided to the faculty on an annual basis by a member of the leadership team of the program.

- 1584
1585 **V.B.1.a)** This evaluation must include a review of the faculty member's
1586 clinical teaching abilities, engagement with the educational
1587 program, participation in faculty development related to their
1588 skills as an educator, clinical performance, professionalism,
1589 and scholarly activities. (Core)
1590
1591 **V.B.1.b)** This evaluation must include written, anonymous, and
1592 confidential evaluations by the residents. (Core)
1593
1594 **V.B.2.** Faculty members must receive feedback on their evaluations at least
1595 annually. (Core)
1596
1597 **V.B.3.** Results of the faculty educational evaluations should be
1598 incorporated into program-wide faculty development plans. (Core)
1599

Background and Intent: The quality of the faculty's teaching and clinical care is a determinant of the quality of the program and the quality of the residents' future clinical care. Therefore, the program has the responsibility to evaluate and improve the program faculty members' teaching, scholarship, professionalism, and quality care. This section mandates annual review of the program's faculty members for this purpose, and can be used as input into the Annual Program Evaluation.

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1601 **V.C. Program Evaluation and Improvement**
1602
1603 **V.C.1.** The program director must appoint the Program Evaluation
1604 Committee to conduct and document the Annual Program
1605 Evaluation as part of the program's continuous improvement
1606 process. (Core)
1607
1608 **V.C.1.a)** The Program Evaluation Committee must be composed of at
1609 least two program faculty members, at least one of whom is a
1610 core faculty member, and at least one resident. (Core)
1611
1612 **V.C.1.b)** Program Evaluation Committee responsibilities must include:
1613
1614 **V.C.1.b).(1)** acting as an advisor to the program director, through
1615 program oversight; (Core)
1616
1617 **V.C.1.b).(2)** review of the program's self-determined goals and
1618 progress toward meeting them; (Core)
1619
1620 **V.C.1.b).(3)** guiding ongoing program improvement, including
1621 development of new goals, based upon outcomes;
1622 and, (Core)
1623
1624 **V.C.1.b).(4)** review of the current operating environment to identify
1625 strengths, challenges, opportunities, and threats as
1626 related to the program's mission and aims. (Core)

1627

Background and Intent: In order to achieve its mission and train quality physicians, a program must evaluate its performance and plan for improvement in the Annual Program Evaluation. Performance of residents and faculty members is a reflection of program quality, and can use metrics that reflect the goals that a program has set for itself. The Program Evaluation Committee utilizes outcome parameters and other data to assess the program's progress toward achievement of its goals and aims.

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V.C.1.c) The Program Evaluation Committee should consider the following elements in its assessment of the program:

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1632

V.C.1.c).(1) curriculum; ^(Core)

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V.C.1.c).(2) outcomes from prior Annual Program Evaluation(s);
^(Core)

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1637

V.C.1.c).(3) ACGME letters of notification, including citations, Areas for Improvement, and comments; ^(Core)

1638

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V.C.1.c).(4) quality and safety of patient care; ^(Core)

1641

1642

V.C.1.c).(5) aggregate resident and faculty:

1643

1644

V.C.1.c).(5).(a) well-being; ^(Core)

1645

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V.C.1.c).(5).(b) recruitment and retention; ^(Core)

1647

1648

V.C.1.c).(5).(c) workforce diversity; ^(Core)

1649

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V.C.1.c).(5).(d) engagement in quality improvement and patient safety; ^(Core)

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V.C.1.c).(5).(e) scholarly activity; ^(Core)

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V.C.1.c).(5).(f) ACGME Resident and Faculty Surveys; and,
^(Core)

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V.C.1.c).(5).(g) written evaluations of the program. ^(Core)

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V.C.1.c).(6) aggregate resident:

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V.C.1.c).(6).(a) achievement of the Milestones; ^(Core)

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V.C.1.c).(6).(b) in-training examinations (where applicable);
^(Core)

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V.C.1.c).(6).(c) board pass and certification rates; and, ^(Core)

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V.C.1.c).(6).(d) graduate performance. ^(Core)

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V.C.1.c).(7) aggregate faculty:

- 1672
 1673 V.C.1.c).(7).(a) evaluation; and, ^(Core)
 1674
 1675 V.C.1.c).(7).(b) professional development. ^(Core)
 1676
 1677 V.C.1.d) The Program Evaluation Committee must evaluate the
 1678 program’s mission and aims, strengths, areas for
 1679 improvement, and threats. ^(Core)
 1680
 1681 V.C.1.e) The annual review, including the action plan, must:
 1682
 1683 V.C.1.e).(1) be distributed to and discussed with the members of
 1684 the teaching faculty and the residents; and, ^(Core)
 1685
 1686 V.C.1.e).(2) be submitted to the DIO. ^(Core)
 1687
 1688 V.C.2. The program must complete a Self-Study prior to its 10-Year
 1689 Accreditation Site Visit. ^(Core)
 1690
 1691 V.C.2.a) A summary of the Self-Study must be submitted to the DIO.
 1692 ^(Core)
 1693

Background and Intent: Outcomes of the documented Annual Program Evaluation can be integrated into the 10-year Self-Study process. The Self-Study is an objective, comprehensive evaluation of the residency program, with the aim of improving it. Underlying the Self-Study is this longitudinal evaluation of the program and its learning environment, facilitated through sequential Annual Program Evaluations that focus on the required components, with an emphasis on program strengths and self-identified areas for improvement. Details regarding the timing and expectations for the Self-Study and the 10-Year Accreditation Site Visit are provided in the *ACGME Manual of Policies and Procedures*. Additionally, a description of the [Self-Study process](#), as well as information on how to prepare for the [10-Year Accreditation Site Visit](#), is available on the ACGME website.

- 1694
 1695 V.C.3. *One goal of ACGME-accredited education is to educate physicians*
 1696 *who seek and achieve board certification. One measure of the*
 1697 *effectiveness of the educational program is the ultimate pass rate.*
 1698
 1699 *The program director should encourage all eligible program*
 1700 *graduates to take the certifying examination offered by the*
 1701 *applicable American Board of Medical Specialties (ABMS) member*
 1702 *board or American Osteopathic Association (AOA) certifying board.*
 1703
 1704 V.C.3.a) For specialties in which the ABMS member board and/or AOA
 1705 certifying board offer(s) an annual written exam, in the
 1706 preceding three years, the program’s aggregate pass rate of
 1707 those taking the examination for the first time must be higher
 1708 than the bottom fifth percentile of programs in that specialty.
 1709 ^(Outcome)
 1710

- 1711 **V.C.3.b)** For specialties in which the ABMS member board and/or AOA
 1712 certifying board offer(s) a biennial written exam, in the
 1713 preceding six years, the program’s aggregate pass rate of
 1714 those taking the examination for the first time must be higher
 1715 than the bottom fifth percentile of programs in that specialty.
 1716 (Outcome)
 1717
- 1718 **V.C.3.c)** For specialties in which the ABMS member board and/or AOA
 1719 certifying board offer(s) an annual oral exam, in the preceding
 1720 three years, the program’s aggregate pass rate of those
 1721 taking the examination for the first time must be higher than
 1722 the bottom fifth percentile of programs in that specialty.
 1723 (Outcome)
 1724
- 1725 **V.C.3.d)** For specialties in which the ABMS member board and/or AOA
 1726 certifying board offer(s) a biennial oral exam, in the preceding
 1727 six years, the program’s aggregate pass rate of those taking
 1728 the examination for the first time must be higher than the
 1729 bottom fifth percentile of programs in that specialty. (Outcome)
 1730
- 1731 **V.C.3.e)** For each of the exams referenced in V.C.3.a)-d), any program
 1732 whose graduates over the time period specified in the
 1733 requirement have achieved an 80 percent pass rate will have
 1734 met this requirement, no matter the percentile rank of the
 1735 program for pass rate in that specialty. (Outcome)
 1736

Background and Intent: Setting a single standard for pass rate that works across specialties is not supportable based on the heterogeneity of the psychometrics of different examinations. By using a percentile rank, the performance of the lower five percent (fifth percentile) of programs can be identified and set on a path to curricular and test preparation reform.

There are specialties where there is a very high board pass rate that could leave successful programs in the bottom five percent (fifth percentile) despite admirable performance. These high-performing programs should not be cited, and V.C.3.e) is designed to address this.

- 1737
 1738 **V.C.3.f)** Programs must report, in ADS, board certification status
 1739 annually for the cohort of board-eligible residents that
 1740 graduated seven years earlier. (Core)
 1741

Background and Intent: It is essential that residency programs demonstrate knowledge and skill transfer to their residents. One measure of that is the qualifying or initial certification exam pass rate. Another important parameter of the success of the program is the ultimate board certification rate of its graduates. Graduates are eligible for up to seven years from residency graduation for initial certification. The ACGME will calculate a rolling three-year average of the ultimate board certification rate at seven years post-graduation, and the Review Committees will monitor it.

The Review Committees will track the rolling seven-year certification rate as an indicator of program quality. Programs are encouraged to monitor their graduates' performance on board certification examinations.

In the future, the ACGME may establish parameters related to ultimate board certification rates.

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VI. The Learning and Working Environment

Residency education must occur in the context of a learning and working environment that emphasizes the following principles:

- *Excellence in the safety and quality of care rendered to patients by residents today*
- *Excellence in the safety and quality of care rendered to patients by today's residents in their future practice*
- *Excellence in professionalism through faculty modeling of:*
 - *the effacement of self-interest in a humanistic environment that supports the professional development of physicians*
 - *the joy of curiosity, problem-solving, intellectual rigor, and discovery*
- *Commitment to the well-being of the students, residents, faculty members, and all members of the health care team*

Background and Intent: The revised requirements are intended to provide greater flexibility within an established framework, allowing programs and residents more discretion to structure clinical education in a way that best supports the above principles of professional development. With this increased flexibility comes the responsibility for programs and residents to adhere to the 80-hour maximum weekly limit (unless a rotation-specific exception is granted by a Review Committee), and to utilize flexibility in a manner that optimizes patient safety, resident education, and resident well-being. The requirements are intended to support the development of a sense of professionalism by encouraging residents to make decisions based on patient needs and their own well-being, without fear of jeopardizing their program's accreditation status. In addition, the proposed requirements eliminate the burdensome documentation requirement for residents to justify clinical and educational work hour variations.

Clinical and educational work hours represent only one part of the larger issue of conditions of the learning and working environment, and Section VI has now been expanded to include greater attention to patient safety and resident and faculty member well-being. The requirements are intended to support programs and residents as they strive for excellence, while also ensuring ethical, humanistic training. Ensuring that flexibility is used in an appropriate manner is a shared responsibility of the program and residents. With this flexibility comes a responsibility for residents and faculty members to recognize the need to hand off care of a patient to another provider when a resident is

too fatigued to provide safe, high quality care and for programs to ensure that residents remain within the 80-hour maximum weekly limit.

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VI.A. Patient Safety, Quality Improvement, Supervision, and Accountability

VI.A.1. Patient Safety and Quality Improvement

All physicians share responsibility for promoting patient safety and enhancing quality of patient care. Graduate medical education must prepare residents to provide the highest level of clinical care with continuous focus on the safety, individual needs, and humanity of their patients. It is the right of each patient to be cared for by residents who are appropriately supervised; possess the requisite knowledge, skills, and abilities; understand the limits of their knowledge and experience; and seek assistance as required to provide optimal patient care.

Residents must demonstrate the ability to analyze the care they provide, understand their roles within health care teams, and play an active role in system improvement processes. Graduating residents will apply these skills to critique their future unsupervised practice and effect quality improvement measures.

It is necessary for residents and faculty members to consistently work in a well-coordinated manner with other health care professionals to achieve organizational patient safety goals.

VI.A.1.a) Patient Safety

VI.A.1.a).(1) Culture of Safety

A culture of safety requires continuous identification of vulnerabilities and a willingness to transparently deal with them. An effective organization has formal mechanisms to assess the knowledge, skills, and attitudes of its personnel toward safety in order to identify areas for improvement.

VI.A.1.a).(1).(a) The program, its faculty, residents, and fellows must actively participate in patient safety systems and contribute to a culture of safety.
(Core)

VI.A.1.a).(1).(b) The program must have a structure that promotes safe, interprofessional, team-based care.
(Core)

VI.A.1.a).(2) Education on Patient Safety

1811 Programs must provide formal educational activities
1812 that promote patient safety-related goals, tools, and
1813 techniques. ^(Core)
1814

Background and Intent: Optimal patient safety occurs in the setting of a coordinated interprofessional learning and working environment.

1815
1816 **VI.A.1.a).(3) Patient Safety Events**
1817
1818 *Reporting, investigation, and follow-up of adverse*
1819 *events, near misses, and unsafe conditions are pivotal*
1820 *mechanisms for improving patient safety, and are*
1821 *essential for the success of any patient safety*
1822 *program. Feedback and experiential learning are*
1823 *essential to developing true competence in the ability*
1824 *to identify causes and institute sustainable systems-*
1825 *based changes to ameliorate patient safety*
1826 *vulnerabilities.*

1827
1828 **VI.A.1.a).(3).(a) Residents, fellows, faculty members, and other**
1829 **clinical staff members must:**

1830
1831 **VI.A.1.a).(3).(a).(i) know their responsibilities in reporting**
1832 **patient safety events at the clinical site;**
1833 ^(Core)

1834
1835 **VI.A.1.a).(3).(a).(ii) know how to report patient safety**
1836 **events, including near misses, at the**
1837 **clinical site; and,** ^(Core)

1838
1839 **VI.A.1.a).(3).(a).(iii) be provided with summary information**
1840 **of their institution's patient safety**
1841 **reports.** ^(Core)

1842
1843 **VI.A.1.a).(3).(b) Residents must participate as team members in**
1844 **real and/or simulated interprofessional clinical**
1845 **patient safety activities, such as root cause**
1846 **analyses or other activities that include**
1847 **analysis, as well as formulation and**
1848 **implementation of actions.** ^(Core)

1849
1850 **VI.A.1.a).(4) Resident Education and Experience in Disclosure of**
1851 **Adverse Events**

1852
1853 *Patient-centered care requires patients, and when*
1854 *appropriate families, to be apprised of clinical*
1855 *situations that affect them, including adverse events.*
1856 *This is an important skill for faculty physicians to*
1857 *model, and for residents to develop and apply.*
1858

1859	VI.A.1.a).(4).(a)	All residents must receive training in how to disclose adverse events to patients and families. ^(Core)
1860		
1861		
1862		
1863	VI.A.1.a).(4).(b)	Residents should have the opportunity to participate in the disclosure of patient safety events, real or simulated. ^{(Detail)†}
1864		
1865		
1866		
1867	VI.A.1.b)	Quality Improvement
1868		
1869	VI.A.1.b).(1)	Education in Quality Improvement
1870		
1871		<i>A cohesive model of health care includes quality-related goals, tools, and techniques that are necessary in order for health care professionals to achieve quality improvement goals.</i>
1872		
1873		
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1876	VI.A.1.b).(1).(a)	Residents must receive training and experience in quality improvement processes, including an understanding of health care disparities. ^(Core)
1877		
1878		
1879		
1880	VI.A.1.b).(2)	Quality Metrics
1881		
1882		<i>Access to data is essential to prioritizing activities for care improvement and evaluating success of improvement efforts.</i>
1883		
1884		
1885		
1886	VI.A.1.b).(2).(a)	Residents and faculty members must receive data on quality metrics and benchmarks related to their patient populations. ^(Core)
1887		
1888		
1889		
1890	VI.A.1.b).(3)	Engagement in Quality Improvement Activities
1891		
1892		<i>Experiential learning is essential to developing the ability to identify and institute sustainable systems-based changes to improve patient care.</i>
1893		
1894		
1895		
1896	VI.A.1.b).(3).(a)	Residents must have the opportunity to participate in interprofessional quality improvement activities. ^(Core)
1897		
1898		
1899		
1900	VI.A.1.b).(3).(a).(i)	This should include activities aimed at reducing health care disparities. ^(Detail)
1901		
1902		
1903	VI.A.2.	Supervision and Accountability
1904		
1905	VI.A.2.a)	<i>Although the attending physician is ultimately responsible for the care of the patient, every physician shares in the responsibility and accountability for their efforts in the provision of care. Effective programs, in partnership with their Sponsoring Institutions, define, widely communicate,</i>
1906		
1907		
1908		
1909		

1910 *and monitor a structured chain of responsibility and*
1911 *accountability as it relates to the supervision of all patient*
1912 *care.*

1913
1914 *Supervision in the setting of graduate medical education*
1915 *provides safe and effective care to patients; ensures each*
1916 *resident's development of the skills, knowledge, and attitudes*
1917 *required to enter the unsupervised practice of medicine; and*
1918 *establishes a foundation for continued professional growth.*

1919
1920 **VI.A.2.a).(1)** Each patient must have an identifiable and
1921 appropriately-credentialed and privileged attending
1922 physician (or licensed independent practitioner as
1923 specified by the applicable Review Committee) who is
1924 responsible and accountable for the patient's care.
1925 (Core)

1926
1927 **VI.A.2.a).(1).(a)** This information must be available to residents,
1928 faculty members, other members of the health
1929 care team, and patients. (Core)

1930
1931 **VI.A.2.a).(1).(b)** Residents and faculty members must inform
1932 each patient of their respective roles in that
1933 patient's care when providing direct patient
1934 care. (Core)

1935
1936 **VI.A.2.b)** *Supervision may be exercised through a variety of methods.*
1937 *For many aspects of patient care, the supervising physician*
1938 *may be a more advanced resident or fellow. Other portions of*
1939 *care provided by the resident can be adequately supervised*
1940 *by the appropriate availability of the supervising faculty*
1941 *member, fellow, or senior resident physician, either on site or*
1942 *by means of telecommunication technology. Some activities*
1943 *require the physical presence of the supervising faculty*
1944 *member. In some circumstances, supervision may include*
1945 *post-hoc review of resident-delivered care with feedback.*

Background and Intent: Appropriate supervision is essential for patient safety and high-quality teaching. Supervision is also contextual. There is tremendous diversity of resident patient interactions, education and training locations, and resident skills and abilities even at the same level of the educational program. The degree of supervision is expected to evolve progressively as a resident gains more experience, even with the same patient condition or procedure. All residents have a level of supervision commensurate with their level of autonomy in practice; this level of supervision may be enhanced based on factors such as patient safety, complexity, acuity, urgency, risk of serious adverse events, or other pertinent variables.

1947
1948 **VI.A.2.b).(1)** The program must demonstrate that the appropriate
1949 level of supervision in place for all residents is based
1950 on each resident's level of training and ability, as well
1951 as patient complexity and acuity. Supervision may be

1952		exercised through a variety of methods, as appropriate to the situation. ^(Core)
1953		
1954		
1955	VI.A.2.b).(1).(a)	Only licensed physicians who are credentialed to perform nuclear medicine procedures may have primary responsibility for the nuclear medicine aspects of patient care. ^(Core)
1956		
1957		
1958		
1959		
1960	VI.A.2.b).(2)	The program must define when physical presence of a supervising physician is required. ^(Core)
1961		
1962		
1963	VI.A.2.c)	Levels of Supervision
1964		
1965		To promote appropriate resident supervision while providing for graded authority and responsibility, the program must use the following classification of supervision: ^(Core)
1966		
1967		
1968		
1969	VI.A.2.c).(1)	Direct Supervision:
1970		
1971	VI.A.2.c).(1).(a)	the supervising physician is physically present with the resident during the key portions of the patient interaction; or, ^(Core)
1972		
1973		
1974		
1975	VI.A.2.c).(1).(a).(i)	PGY-1 residents must initially be supervised directly, only as described in VI.A.2.c).(1).(a). ^(Core)
1976		
1977		
1978		
1979	VI.A.2.c).(1).(b)	the supervising physician and/or patient is not physically present with the resident and the supervising physician is concurrently monitoring the patient care through appropriate telecommunication technology. ^(Core)
1980		
1981		
1982		
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1984		
1985	VI.A.2.c).(1).(b).(i)	The supervision policy must define when it is acceptable to monitor procedures via telecommunications technology and be consistent with Nuclear Regulatory Commission and/or state radiation safety regulations. ^(Core)
1986		
1987		
1988		
1989		
1990		
1991		
1992	VI.A.2.c).(2)	Indirect Supervision: the supervising physician is not providing physical or concurrent visual or audio supervision but is immediately available to the resident for guidance and is available to provide appropriate direct supervision. ^(Core)
1993		
1994		
1995		
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1997		
1998	VI.A.2.c).(3)	Oversight – the supervising physician is available to provide review of procedures/encounters with feedback provided after care is delivered. ^(Core)
1999		
2000		
2001		

2002	VI.A.2.d)	The privilege of progressive authority and responsibility, conditional independence, and a supervisory role in patient care delegated to each resident must be assigned by the program director and faculty members. ^(Core)
2003		
2004		
2005		
2006		
2007	VI.A.2.d).(1)	The program director must evaluate each resident's abilities based on specific criteria, guided by the Milestones. ^(Core)
2008		
2009		
2010		
2011	VI.A.2.d).(2)	Faculty members functioning as supervising physicians must delegate portions of care to residents based on the needs of the patient and the skills of each resident. ^(Core)
2012		
2013		
2014		
2015		
2016	VI.A.2.d).(3)	Senior residents or fellows should serve in a supervisory role to junior residents in recognition of their progress toward independence, based on the needs of each patient and the skills of the individual resident or fellow. ^(Detail)
2017		
2018		
2019		
2020		
2021		
2022	VI.A.2.e)	Programs must set guidelines for circumstances and events in which residents must communicate with the supervising faculty member(s). ^(Core)
2023		
2024		
2025		
2026	VI.A.2.e).(1)	Each resident must know the limits of their scope of authority, and the circumstances under which the resident is permitted to act with conditional independence. ^(Outcome)
2027		
2028		
2029		
2030		

Background and Intent: The ACGME Glossary of Terms defines conditional independence as: Graded, progressive responsibility for patient care with defined oversight.

2031		
2032	VI.A.2.f)	Faculty supervision assignments must be of sufficient duration to assess the knowledge and skills of each resident and to delegate to the resident the appropriate level of patient care authority and responsibility. ^(Core)
2033		
2034		
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2037	VI.B.	Professionalism
2038		
2039	VI.B.1.	Programs, in partnership with their Sponsoring Institutions, must educate residents and faculty members concerning the professional responsibilities of physicians, including their obligation to be appropriately rested and fit to provide the care required by their patients. ^(Core)
2040		
2041		
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2044		
2045	VI.B.2.	The learning objectives of the program must:
2046		
2047	VI.B.2.a)	be accomplished through an appropriate blend of supervised patient care responsibilities, clinical teaching, and didactic educational events; ^(Core)
2048		
2049		

2050
2051 VI.B.2.b) be accomplished without excessive reliance on residents to
2052 fulfill non-physician obligations; and, ^(Core)
2053

Background and Intent: Routine reliance on residents to fulfill non-physician obligations increases work compression for residents and does not provide an optimal educational experience. Non-physician obligations are those duties which in most institutions are performed by nursing and allied health professionals, transport services, or clerical staff. Examples of such obligations include transport of patients from the wards or units for procedures elsewhere in the hospital; routine blood drawing for laboratory tests; routine monitoring of patients when off the ward; and clerical duties, such as scheduling. While it is understood that residents may be expected to do any of these things on occasion when the need arises, these activities should not be performed by residents routinely and must be kept to a minimum to optimize resident education.

2054
2055 VI.B.2.c) ensure manageable patient care responsibilities. ^(Core)
2056

Background and Intent: The Common Program Requirements do not define “manageable patient care responsibilities” as this is variable by specialty and PGY level. Review Committees will provide further detail regarding patient care responsibilities in the applicable specialty-specific Program Requirements and accompanying FAQs. However, all programs, regardless of specialty, should carefully assess how the assignment of patient care responsibilities can affect work compression, especially at the PGY-1 level.

2057
2058 VI.B.3. The program director, in partnership with the Sponsoring Institution,
2059 must provide a culture of professionalism that supports patient
2060 safety and personal responsibility. ^(Core)
2061

2062 VI.B.4. Residents and faculty members must demonstrate an understanding
2063 of their personal role in the:

2064 VI.B.4.a) provision of patient- and family-centered care; ^(Outcome)

2065 VI.B.4.b) safety and welfare of patients entrusted to their care,
2066 including the ability to report unsafe conditions and adverse
2067 events; ^(Outcome)
2068
2069
2070

Background and Intent: This requirement emphasizes that responsibility for reporting unsafe conditions and adverse events is shared by all members of the team and is not solely the responsibility of the resident.

2071
2072 VI.B.4.c) assurance of their fitness for work, including: ^(Outcome)
2073

Background and Intent: This requirement emphasizes the professional responsibility of faculty members and residents to arrive for work adequately rested and ready to care for patients. It is also the responsibility of faculty members, residents, and other members of the care team to be observant, to intervene, and/or to escalate their concern about resident and faculty member fitness for work, depending on the situation, and in accordance with institutional policies.

2074		
2075	VI.B.4.c).(1)	management of their time before, during, and after clinical assignments; and, (Outcome)
2076		
2077		
2078	VI.B.4.c).(2)	recognition of impairment, including from illness, fatigue, and substance use, in themselves, their peers, and other members of the health care team. (Outcome)
2079		
2080		
2081		
2082	VI.B.4.d)	commitment to lifelong learning; (Outcome)
2083		
2084	VI.B.4.e)	monitoring of their patient care performance improvement indicators; and, (Outcome)
2085		
2086		
2087	VI.B.4.f)	accurate reporting of clinical and educational work hours, patient outcomes, and clinical experience data. (Outcome)
2088		
2089		
2090	VI.B.5.	All residents and faculty members must demonstrate responsiveness to patient needs that supersedes self-interest. This includes the recognition that under certain circumstances, the best interests of the patient may be served by transitioning that patient's care to another qualified and rested provider. (Outcome)
2091		
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2096	VI.B.6.	Programs, in partnership with their Sponsoring Institutions, must provide a professional, equitable, respectful, and civil environment that is free from discrimination, sexual and other forms of harassment, mistreatment, abuse, or coercion of students, residents, faculty, and staff. (Core)
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2102	VI.B.7.	Programs, in partnership with their Sponsoring Institutions, should have a process for education of residents and faculty regarding unprofessional behavior and a confidential process for reporting, investigating, and addressing such concerns. (Core)
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2107	VI.C.	Well-Being
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2109		<i>Psychological, emotional, and physical well-being are critical in the development of the competent, caring, and resilient physician and require proactive attention to life inside and outside of medicine. Well-being requires that physicians retain the joy in medicine while managing their own real-life stresses. Self-care and responsibility to support other members of the health care team are important components of professionalism; they are also skills that must be modeled, learned, and nurtured in the context of other aspects of residency training.</i>
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2118		<i>Residents and faculty members are at risk for burnout and depression. Programs, in partnership with their Sponsoring Institutions, have the same responsibility to address well-being as other aspects of resident competence. Physicians and all members of the health care team share responsibility for the well-being of each other. For example, a culture which encourages covering for colleagues after an illness without the expectation of reciprocity reflects the ideal of professionalism. A positive culture in a</i>
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clinical learning environment models constructive behaviors, and prepares residents with the skills and attitudes needed to thrive throughout their careers.

Background and Intent: The ACGME is committed to addressing physician well-being for individuals and as it relates to the learning and working environment. The creation of a learning and working environment with a culture of respect and accountability for physician well-being is crucial to physicians' ability to deliver the safest, best possible care to patients. The ACGME is leveraging its resources in four key areas to support the ongoing focus on physician well-being: education, influence, research, and collaboration. Information regarding the ACGME's ongoing efforts in this area is available on the ACGME website: www.acgme.org/physicianwellbeing.

The ACGME also created a repository for well-being materials, assessments, presentations, and more on the [Well-Being Tools and Resources page](#) in Learn at ACGME for programs seeking to develop or strengthen their own well-being initiatives. There are many activities that programs can implement now to assess and support physician well-being. These include the distribution and analysis of culture of safety surveys, ensuring the availability of counseling services, and paying attention to the safety of the entire health care team.

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- VI.C.1.** The responsibility of the program, in partnership with the Sponsoring Institution, to address well-being must include:
- VI.C.1.a)** efforts to enhance the meaning that each resident finds in the experience of being a physician, including protecting time with patients, minimizing non-physician obligations, providing administrative support, promoting progressive autonomy and flexibility, and enhancing professional relationships; ^(Core)
- VI.C.1.b)** attention to scheduling, work intensity, and work compression that impacts resident well-being; ^(Core)
- VI.C.1.c)** evaluating workplace safety data and addressing the safety of residents and faculty members; ^(Core)

Background and Intent: This requirement emphasizes the responsibility shared by the Sponsoring Institution and its programs to gather information and utilize systems that monitor and enhance resident and faculty member safety, including physical safety. Issues to be addressed include, but are not limited to, monitoring of workplace injuries, physical or emotional violence, vehicle collisions, and emotional well-being after adverse events.

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- VI.C.1.d)** policies and programs that encourage optimal resident and faculty member well-being; and, ^(Core)

Background and Intent: Well-being includes having time away from work to engage with family and friends, as well as to attend to personal needs and to one's own health, including adequate rest, healthy diet, and regular exercise.

2150
2151 VI.C.1.d).(1) Residents must be given the opportunity to attend
2152 medical, mental health, and dental care appointments,
2153 including those scheduled during their working hours.
2154 (Core)
2155

Background and Intent: The intent of this requirement is to ensure that residents have the opportunity to access medical and dental care, including mental health care, at times that are appropriate to their individual circumstances. Residents must be provided with time away from the program as needed to access care, including appointments scheduled during their working hours.

2156
2157 VI.C.1.e) attention to resident and faculty member burnout,
2158 depression, and substance use disorders. The program, in
2159 partnership with its Sponsoring Institution, must educate
2160 faculty members and residents in identification of the
2161 symptoms of burnout, depression, and substance use
2162 disorders, including means to assist those who experience
2163 these conditions. Residents and faculty members must also
2164 be educated to recognize those symptoms in themselves and
2165 how to seek appropriate care. The program, in partnership
2166 with its Sponsoring Institution, must: (Core)
2167

Background and Intent: Programs and Sponsoring Institutions are encouraged to review materials to create systems for identification of burnout, depression, and substance use disorders. Materials and more information are available in Learn at ACGME (<https://dl.acgme.org/pages/well-being-tools-resources>).

2168
2169 VI.C.1.e).(1) encourage residents and faculty members to alert the
2170 program director or other designated personnel or
2171 programs when they are concerned that another
2172 resident, fellow, or faculty member may be displaying
2173 signs of burnout, depression, a substance use
2174 disorder, suicidal ideation, or potential for violence;
2175 (Core)
2176

Background and Intent: Individuals experiencing burnout, depression, a substance use disorder, and/or suicidal ideation are often reluctant to reach out for help due to the stigma associated with these conditions, and are concerned that seeking help may have a negative impact on their career. Recognizing that physicians are at increased risk in these areas, it is essential that residents and faculty members are able to report their concerns when another resident or faculty member displays signs of any of these conditions, so that the program director or other designated personnel, such as the department chair, may assess the situation and intervene as necessary to facilitate access to appropriate care. Residents and faculty members must know which personnel, in addition to the program director, have been designated with this responsibility; those personnel and the program director should be familiar with the institution's impaired physician policy and any employee health, employee assistance, and/or wellness programs within the institution. In cases of physician impairment, the

program director or designated personnel should follow the policies of their institution for reporting.

- 2177
2178 **VI.C.1.e).(2)** provide access to appropriate tools for self-screening;
2179 and, ^(Core)
2180
2181 **VI.C.1.e).(3)** provide access to confidential, affordable mental
2182 health assessment, counseling, and treatment,
2183 including access to urgent and emergent care 24
2184 hours a day, seven days a week. ^(Core)
2185

Background and Intent: The intent of this requirement is to ensure that residents have immediate access at all times to a mental health professional (psychiatrist, psychologist, Licensed Clinical Social Worker, Primary Mental Health Nurse Practitioner, or Licensed Professional Counselor) for urgent or emergent mental health issues. In-person, telemedicine, or telephonic means may be utilized to satisfy this requirement. Care in the Emergency Department may be necessary in some cases, but not as the primary or sole means to meet the requirement.

The reference to affordable counseling is intended to require that financial cost not be a barrier to obtaining care.

- 2186
2187 **VI.C.2.** There are circumstances in which residents may be unable to attend
2188 work, including but not limited to fatigue, illness, family
2189 emergencies, and parental leave. Each program must allow an
2190 appropriate length of absence for residents unable to perform their
2191 patient care responsibilities. ^(Core)
2192
2193 **VI.C.2.a)** The program must have policies and procedures in place to
2194 ensure coverage of patient care. ^(Core)
2195
2196 **VI.C.2.b)** These policies must be implemented without fear of negative
2197 consequences for the resident who is or was unable to
2198 provide the clinical work. ^(Core)
2199

Background and Intent: Residents may need to extend their length of training depending on length of absence and specialty board eligibility requirements. Teammates should assist colleagues in need and equitably reintegrate them upon return.

- 2200
2201 **VI.D. Fatigue Mitigation**
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2203 **VI.D.1. Programs must:**
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2205 **VI.D.1.a)** educate all faculty members and residents to recognize the
2206 signs of fatigue and sleep deprivation; ^(Core)
2207
2208 **VI.D.1.b)** educate all faculty members and residents in alertness
2209 management and fatigue mitigation processes; and, ^(Core)
2210

2211 VI.D.1.c) encourage residents to use fatigue mitigation processes to
2212 manage the potential negative effects of fatigue on patient
2213 care and learning. ^(Detail)
2214

Background and Intent: Providing medical care to patients is physically and mentally demanding. Night shifts, even for those who have had enough rest, cause fatigue. Experiencing fatigue in a supervised environment during training prepares residents for managing fatigue in practice. It is expected that programs adopt fatigue mitigation processes and ensure that there are no negative consequences and/or stigma for using fatigue mitigation strategies.

This requirement emphasizes the importance of adequate rest before and after clinical responsibilities. Strategies that may be used include, but are not limited to, strategic napping; the judicious use of caffeine; availability of other caregivers; time management to maximize sleep off-duty; learning to recognize the signs of fatigue, and self-monitoring performance and/or asking others to monitor performance; remaining active to promote alertness; maintaining a healthy diet; using relaxation techniques to fall asleep; maintaining a consistent sleep routine; exercising regularly; increasing sleep time before and after call; and ensuring sufficient sleep recovery periods.

2215
2216 VI.D.2. Each program must ensure continuity of patient care, consistent
2217 with the program’s policies and procedures referenced in VI.C.2–
2218 VI.C.2.b), in the event that a resident may be unable to perform their
2219 patient care responsibilities due to excessive fatigue. ^(Core)
2220

2221 VI.D.3. The program, in partnership with its Sponsoring Institution, must
2222 ensure adequate sleep facilities and safe transportation options for
2223 residents who may be too fatigued to safely return home. ^(Core)
2224

2225 VI.E. Clinical Responsibilities, Teamwork, and Transitions of Care
2226

2227 VI.E.1. Clinical Responsibilities
2228

2229 The clinical responsibilities for each resident must be based on PGY
2230 level, patient safety, resident ability, severity and complexity of
2231 patient illness/condition, and available support services. ^(Core)
2232

Background and Intent: The changing clinical care environment of medicine has meant that work compression due to high complexity has increased stress on residents. Faculty members and program directors need to make sure residents function in an environment that has safe patient care and a sense of resident well-being. Some Review Committees have addressed this by setting limits on patient admissions, and it is an essential responsibility of the program director to monitor resident workload. Workload should be distributed among the resident team and interdisciplinary teams to minimize work compression.

2233
2234 VI.E.1.a) Optimal clinical workload must maximize the resident learning
2235 experience without compromising patient care. ^(Core)
2236

2237 VI.E.1.b) The number and distribution of cases should vary with the

2238		responsibility appropriate to an individual resident's demonstrated competence over the course of his or her education. ^(Core)
2239		
2240		
2241	VI.E.1.c)	Program directors must determine minimum and maximum patient loads by including faculty member and resident input into an assessment of the learning environment. ^(Core)
2242		
2243		
2244		
2245	VI.E.1.d)	Insufficient patient experiences and excessive patient loads must not jeopardize the quality of resident education. ^(Core)
2246		
2247		
2248	VI.E.2.	Teamwork
2249		
2250		Residents must care for patients in an environment that maximizes communication. This must include the opportunity to work as a member of effective interprofessional teams that are appropriate to the delivery of care in the specialty and larger health system. ^(Core)
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2255	VI.E.2.a)	The nuclear medicine patient care team should include ancillary personnel, attending nuclear physicians, nuclear medicine residents, nuclear medicine technologists, and radiation safety personnel, and also may include medical physicists, other imaging specialists, radiopharmacists, and individuals from referring services. ^(Detail)
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2262	VI.E.3.	Transitions of Care
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2264	VI.E.3.a)	Programs must design clinical assignments to optimize transitions in patient care, including their safety, frequency, and structure. ^(Core)
2265		
2266		
2267		
2268	VI.E.3.b)	Programs, in partnership with their Sponsoring Institutions, must ensure and monitor effective, structured hand-over processes to facilitate both continuity of care and patient safety. ^(Core)
2269		
2270		
2271		
2272		
2273	VI.E.3.c)	Programs must ensure that residents are competent in communicating with team members in the hand-over process. ^(Outcome)
2274		
2275		
2276		
2277	VI.E.3.d)	Programs and clinical sites must maintain and communicate schedules of attending physicians and residents currently responsible for care. ^(Core)
2278		
2279		
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2281	VI.E.3.e)	Each program must ensure continuity of patient care, consistent with the program's policies and procedures referenced in VI.C.2-VI.C.2.b), in the event that a resident may be unable to perform their patient care responsibilities due to excessive fatigue or illness, or family emergency. ^(Core)
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2287	VI.F.	Clinical Experience and Education
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Programs, in partnership with their Sponsoring Institutions, must design an effective program structure that is configured to provide residents with educational and clinical experience opportunities, as well as reasonable opportunities for rest and personal activities.

Background and Intent: In the new requirements, the terms “clinical experience and education,” “clinical and educational work,” and “clinical and educational work hours” replace the terms “duty hours,” “duty periods,” and “duty.” These changes have been made in response to concerns that the previous use of the term “duty” in reference to number of hours worked may have led some to conclude that residents’ duty to “clock out” on time superseded their duty to their patients.

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VI.F.1. Maximum Hours of Clinical and Educational Work per Week

Clinical and educational work hours must be limited to no more than 80 hours per week, averaged over a four-week period, inclusive of all in-house clinical and educational activities, clinical work done from home, and all moonlighting. ^(Core)

Background and Intent: Programs and residents have a shared responsibility to ensure that the 80-hour maximum weekly limit is not exceeded. While the requirement has been written with the intent of allowing residents to remain beyond their scheduled work periods to care for a patient or participate in an educational activity, these additional hours must be accounted for in the allocated 80 hours when averaged over four weeks.

Scheduling

While the ACGME acknowledges that, on rare occasions, a resident may work in excess of 80 hours in a given week, all programs and residents utilizing this flexibility will be required to adhere to the 80-hour maximum weekly limit when averaged over a four-week period. Programs that regularly schedule residents to work 80 hours per week and still permit residents to remain beyond their scheduled work period are likely to exceed the 80-hour maximum, which would not be in substantial compliance with the requirement. These programs should adjust schedules so that residents are scheduled to work fewer than 80 hours per week, which would allow residents to remain beyond their scheduled work period when needed without violating the 80-hour requirement. Programs may wish to consider using night float and/or making adjustments to the frequency of in-house call to ensure compliance with the 80-hour maximum weekly limit.

Oversight

With increased flexibility introduced into the Requirements, programs permitting this flexibility will need to account for the potential for residents to remain beyond their assigned work periods when developing schedules, to avoid exceeding the 80-hour maximum weekly limit, averaged over four weeks. The ACGME Review Committees will strictly monitor and enforce compliance with the 80-hour requirement. Where violations of the 80-hour requirement are identified, programs will be subject to citation and at risk for an adverse accreditation action.

Work from Home

While the requirement specifies that clinical work done from home must be counted toward the 80-hour maximum weekly limit, the expectation remains that scheduling be

structured so that residents are able to complete most work on site during scheduled clinical work hours without requiring them to take work home. The new requirements acknowledge the changing landscape of medicine, including electronic health records, and the resulting increase in the amount of work residents choose to do from home. The requirement provides flexibility for residents to do this while ensuring that the time spent by residents completing clinical work from home is accomplished within the 80-hour weekly maximum. Types of work from home that must be counted include using an electronic health record and taking calls from home. Reading done in preparation for the following day's cases, studying, and research done from home do not count toward the 80 hours. Resident decisions to leave the hospital before their clinical work has been completed and to finish that work later from home should be made in consultation with the resident's supervisor. In such circumstances, residents should be mindful of their professional responsibility to complete work in a timely manner and to maintain patient confidentiality.

During the public comment period many individuals raised questions and concerns related to this change. Some questioned whether minute by minute tracking would be required; in other words, if a resident spends three minutes on a phone call and then a few hours later spends two minutes on another call, will the resident need to report that time. Others raised concerns related to the ability of programs and institutions to verify the accuracy of the information reported by residents. The new requirements are not an attempt to micromanage this process. Residents are to track the time they spend on clinical work from home and to report that time to the program. Decisions regarding whether to report infrequent phone calls of very short duration will be left to the individual resident. Programs will need to factor in time residents are spending on clinical work at home when schedules are developed to ensure that residents are not working in excess of 80 hours per week, averaged over four weeks. There is no requirement that programs assume responsibility for documenting this time. Rather, the program's responsibility is ensuring that residents report their time from home and that schedules are structured to ensure that residents are not working in excess of 80 hours per week, averaged over four weeks.

PGY-1 and PGY-2 Residents

PGY-1 and PGY-2 residents may not have the experience to make decisions about when it is appropriate to utilize flexibility or may feel pressured to use it when unnecessary. Programs are responsible for ensuring that residents are provided with manageable workloads that can be accomplished during scheduled work hours. This includes ensuring that a resident's assigned direct patient load is manageable, that residents have appropriate support from their clinical teams, and that residents are not overburdened with clerical work and/or other non-physician duties.

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- VI.F.2. Mandatory Time Free of Clinical Work and Education**
- VI.F.2.a) The program must design an effective program structure that is configured to provide residents with educational opportunities, as well as reasonable opportunities for rest and personal well-being. ^(Core)**
- VI.F.2.b) Residents should have eight hours off between scheduled clinical work and education periods. ^(Detail)**

2313 VI.F.2.b).(1) There may be circumstances when residents choose
2314 to stay to care for their patients or return to the
2315 hospital with fewer than eight hours free of clinical
2316 experience and education. This must occur within the
2317 context of the 80-hour and the one-day-off-in-seven
2318 requirements. ^(Detail)
2319

Background and Intent: While it is expected that resident schedules will be structured to ensure that residents are provided with a minimum of eight hours off between scheduled work periods, it is recognized that residents may choose to remain beyond their scheduled time, or return to the clinical site during this time-off period, to care for a patient. The requirement preserves the flexibility for residents to make those choices. It is also noted that the 80-hour weekly limit (averaged over four weeks) is a deterrent for scheduling fewer than eight hours off between clinical and education work periods, as it would be difficult for a program to design a schedule that provides fewer than eight hours off without violating the 80-hour rule.

2320 VI.F.2.c) Residents must have at least 14 hours free of clinical work
2321 and education after 24 hours of in-house call. ^(Core)
2322
2323

Background and Intent: Residents have a responsibility to return to work rested, and thus are expected to use this time away from work to get adequate rest. In support of this goal, residents are encouraged to prioritize sleep over other discretionary activities.

2324 VI.F.2.d) Residents must be scheduled for a minimum of one day in
2325 seven free of clinical work and required education (when
2326 averaged over four weeks). At-home call cannot be assigned
2327 on these free days. ^(Core)
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Background and Intent: The requirement provides flexibility for programs to distribute days off in a manner that meets program and resident needs. It is strongly recommended that residents' preference regarding how their days off are distributed be considered as schedules are developed. It is desirable that days off be distributed throughout the month, but some residents may prefer to group their days off to have a "golden weekend," meaning a consecutive Saturday and Sunday free from work. The requirement for one free day in seven should not be interpreted as precluding a golden weekend. Where feasible, schedules may be designed to provide residents with a weekend, or two consecutive days, free of work. The applicable Review Committee will evaluate the number of consecutive days of work and determine whether they meet educational objectives. Programs are encouraged to distribute days off in a fashion that optimizes resident well-being, and educational and personal goals. It is noted that a day off is defined in the ACGME Glossary of Terms as "one (1) continuous 24-hour period free from all administrative, clinical, and educational activities."

2330 VI.F.3. Maximum Clinical Work and Education Period Length

2331 VI.F.3.a) Clinical and educational work periods for residents must not
2332 exceed 24 hours of continuous scheduled clinical
2333 assignments. ^(Core)
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Background and Intent: The Task Force examined the question of “consecutive time on task.” It examined the research supporting the current limit of 16 consecutive hours of time on task for PGY-1 residents; the range of often conflicting impacts of this requirement on patient safety, clinical care, and continuity of care by resident teams; and resident learning found in the literature. Finally, it heard a uniform request by the specialty societies, certifying boards, membership societies and organizations, and senior residents to repeal this requirement. It heard conflicting perspectives from resident unions, a medical student association, and a number of public advocacy groups, some arguing for continuation of the requirement, others arguing for extension of the requirement to all residents.

Of greatest concern to the Task Force were the observations of disruption of team care and patient care continuity brought about with residents beyond the PGY-1 level adhering to differing requirements. The graduate medical education community uniformly requested that the Task Force remove this requirement. The most frequently-cited reason for this request was the complete disruption of the team, separating the PGY-1 from supervisory faculty members and residents who were best able to judge the ability of the resident and customize the supervision of patient care for each PGY-1. Cited nearly as frequently was the separation of the PGY-1 from the team, delaying maturation of clinical skills, and threatening to create a “shift” mentality in disciplines where overnight availability to patients is essential in delivery of care.

The Task Force examined the impact of the request to consider 16-consecutive-hour limits for all residents, and rejected the proposition. It found that model incompatible with the actual practice of medicine and surgery in many specialties, excessively limiting in configuration of clinical services in many disciplines, and potentially disruptive of the inculcation of responsibility and professional commitment to altruism and placing the needs of patients above those of the physician.

After careful consideration of the information available, the testimony and position of all parties submitting information, and presentations to the Task Force, the Task Force removed the 16-hour-consecutive-time-on-task requirement for PGY-1 residents. It remains crucial that programs ensure that PGY-1 residents are supervised in compliance with the applicable Program Requirements, and that resident well-being is prioritized as described in Section VI.C. of these requirements.

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VI.F.3.a).(1)

Up to four hours of additional time may be used for activities related to patient safety, such as providing effective transitions of care, and/or resident education.
(Core)

VI.F.3.a).(1).(a)

Additional patient care responsibilities must not be assigned to a resident during this time. (Core)

Background and Intent: The additional time referenced in VI.F.3.a).(1) should not be used for the care of new patients. It is essential that the resident continue to function as a member of the team in an environment where other members of the team can assess resident fatigue, and that supervision for post-call residents is provided. This 24 hours and up to an additional four hours must occur within the context of 80-hour weekly limit, averaged over four weeks.

- 2346
2347 **VI.F.4. Clinical and Educational Work Hour Exceptions**
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2349 **VI.F.4.a) In rare circumstances, after handing off all other**
2350 **responsibilities, a resident, on their own initiative, may elect**
2351 **to remain or return to the clinical site in the following**
2352 **circumstances:**
2353
2354 **VI.F.4.a).(1) to continue to provide care to a single severely ill or**
2355 **unstable patient;** (Detail)
2356
2357 **VI.F.4.a).(2) humanistic attention to the needs of a patient or**
2358 **family; or,** (Detail)
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2360 **VI.F.4.a).(3) to attend unique educational events.** (Detail)
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2362 **VI.F.4.b) These additional hours of care or education will be counted**
2363 **toward the 80-hour weekly limit.** (Detail)
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Background and Intent: This requirement is intended to provide residents with some control over their schedules by providing the flexibility to voluntarily remain beyond the scheduled responsibilities under the circumstances described above. It is important to note that a resident may remain to attend a conference, or return for a conference later in the day, only if the decision is made voluntarily. Residents must not be required to stay. Programs allowing residents to remain or return beyond the scheduled work and clinical education period must ensure that the decision to remain is initiated by the resident and that residents are not coerced. This additional time must be counted toward the 80-hour maximum weekly limit.

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2366 **VI.F.4.c) A Review Committee may grant rotation-specific exceptions**
2367 **for up to 10 percent or a maximum of 88 clinical and**
2368 **educational work hours to individual programs based on a**
2369 **sound educational rationale.**
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2371 The Review Committee for Nuclear Medicine will not consider
2372 requests for exceptions to the 80-hour limit to the residents' work
2373 week.
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2375 **VI.F.5. Moonlighting**
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2377 **VI.F.5.a) Moonlighting must not interfere with the ability of the resident**
2378 **to achieve the goals and objectives of the educational**
2379 **program, and must not interfere with the resident's fitness for**
2380 **work nor compromise patient safety.** (Core)
2381
2382 **VI.F.5.b) Time spent by residents in internal and external moonlighting**
2383 **(as defined in the ACGME Glossary of Terms) must be**
2384 **counted toward the 80-hour maximum weekly limit.** (Core)
2385
2386 **VI.F.5.c) PGY-1 residents are not permitted to moonlight.** (Core)
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Background and Intent: For additional clarification of the expectations related to moonlighting, please refer to the Common Program Requirement FAQs (available at <http://www.acgme.org/What-We-Do/Accreditation/Common-Program-Requirements>).

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VI.F.6. In-House Night Float

Night float must occur within the context of the 80-hour and one-day-off-in-seven requirements. (Core)

Background and Intent: The requirement for no more than six consecutive nights of night float was removed to provide programs with increased flexibility in scheduling.

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VI.F.7. Maximum In-House On-Call Frequency

Residents must be scheduled for in-house call no more frequently than every third night (when averaged over a four-week period). (Core)

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VI.F.8. At-Home Call

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VI.F.8.a) Time spent on patient care activities by residents on at-home call must count toward the 80-hour maximum weekly limit. The frequency of at-home call is not subject to the every-third-night limitation, but must satisfy the requirement for one day in seven free of clinical work and education, when averaged over four weeks. (Core)

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VI.F.8.a).(1) At-home call must not be so frequent or taxing as to preclude rest or reasonable personal time for each resident. (Core)

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VI.F.8.b) Residents are permitted to return to the hospital while on at-home call to provide direct care for new or established patients. These hours of inpatient patient care must be included in the 80-hour maximum weekly limit. (Detail)

Background and Intent: This requirement has been modified to specify that clinical work done from home when a resident is taking at-home call must count toward the 80-hour maximum weekly limit. This change acknowledges the often significant amount of time residents devote to clinical activities when taking at-home call, and ensures that taking at-home call does not result in residents routinely working more than 80 hours per week. At-home call activities that must be counted include responding to phone calls and other forms of communication, as well as documentation, such as entering notes in an electronic health record. Activities such as reading about the next day's case, studying, or research activities do not count toward the 80-hour weekly limit.

In their evaluation of residency/fellowship programs, Review Committees will look at the overall impact of at-home call on resident/fellow rest and personal time.

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2421 ***Core Requirements:** Statements that define structure, resource, or process elements
2422 essential to every graduate medical educational program.

2423
2424 †**Detail Requirements:** Statements that describe a specific structure, resource, or process, for
2425 achieving compliance with a Core Requirement. Programs and sponsoring institutions in
2426 substantial compliance with the Outcome Requirements may utilize alternative or innovative
2427 approaches to meet Core Requirements.

2428
2429 ‡**Outcome Requirements:** Statements that specify expected measurable or observable
2430 attributes (knowledge, abilities, skills, or attitudes) of residents or fellows at key stages of their
2431 graduate medical education.

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2433 **Osteopathic Recognition**

2434 For programs seeking Osteopathic Recognition for the entire program, or for a track within the
2435 program, the Osteopathic Recognition Requirements are also applicable.
2436 (<https://www.acgme.org/What-We-Do/Recognition/Osteopathic-Recognition>)