

**ACGME Program Requirements for  
Graduate Medical Education  
in Musculoskeletal Radiology**

ACGME-approved Focused Revision: February 7, 2022; effective July 1, 2022

## Contents

Introduction .....	3
Int.A. Preamble .....	3
Int.B. Definition of Subspecialty .....	3
Int.C. Length of Educational Program .....	4
I. Oversight .....	4
I.A. Sponsoring Institution .....	4
I.B. Participating Sites .....	4
I.C. Recruitment .....	6
I.D. Resources .....	6
I.E. Other Learners and Other Care Providers .....	8
II. Personnel .....	8
II.A. Program Director .....	8
II.B. Faculty .....	13
II.C. Program Coordinator .....	16
II.D. Other Program Personnel .....	16
III. Fellow Appointments .....	17
III.A. Eligibility Criteria .....	17
III.B. Number of Fellows .....	18
III.C. Fellow Transfers .....	18
IV. Educational Program .....	19
IV.A. Curriculum Components .....	19
IV.B. ACGME Competencies .....	20
IV.C. Curriculum Organization and Fellow Experiences .....	23
IV.D. Scholarship .....	24
V. Evaluation .....	26
V.A. Fellow Evaluation .....	27
V.B. Faculty Evaluation .....	30
V.C. Program Evaluation and Improvement .....	31
VI. The Learning and Working Environment .....	33
VI.A. Patient Safety, Quality Improvement, Supervision, and Accountability .....	34
VI.B. Professionalism .....	40
VI.C. Well-Being .....	42
VI.D. Fatigue Mitigation .....	45
VI.E. Clinical Responsibilities, Teamwork, and Transitions of Care .....	45
VI.F. Clinical Experience and Education .....	46

1                    **ACGME Program Requirements for Graduate Medical Education**  
2    **in Musculoskeletal Radiology**

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4                    **Common Program Requirements (Fellowship) are in BOLD**

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6 Where applicable, text in italics describes the underlying philosophy of the requirements in that  
7 section. These philosophic statements are not program requirements and are therefore not  
8 citable.  
9

**Background and Intent: These fellowship requirements reflect the fact that these learners have already completed the first phase of graduate medical education. Thus, the Common Program Requirements (Fellowship) are intended to explain the differences.**

10  
11 **Introduction**

12  
13 **Int.A.**        *Fellowship is advanced graduate medical education beyond a core  
14 residency program for physicians who desire to enter more specialized  
15 practice. Fellowship-trained physicians serve the public by providing  
16 subspecialty care, which may also include core medical care, acting as a  
17 community resource for expertise in their field, creating and integrating  
18 new knowledge into practice, and educating future generations of  
19 physicians. Graduate medical education values the strength that a diverse  
20 group of physicians brings to medical care.*

21  
22                    *Fellows who have completed residency are able to practice independently  
23 in their core specialty. The prior medical experience and expertise of  
24 fellows distinguish them from physicians entering into residency training.  
25 The fellow’s care of patients within the subspecialty is undertaken with  
26 appropriate faculty supervision and conditional independence. Faculty  
27 members serve as role models of excellence, compassion,  
28 professionalism, and scholarship. The fellow develops deep medical  
29 knowledge, patient care skills, and expertise applicable to their focused  
30 area of practice. Fellowship is an intensive program of subspecialty clinical  
31 and didactic education that focuses on the multidisciplinary care of  
32 patients. Fellowship education is often physically, emotionally, and  
33 intellectually demanding, and occurs in a variety of clinical learning  
34 environments committed to graduate medical education and the well-being  
35 of patients, residents, fellows, faculty members, students, and all members  
36 of the health care team.*

37  
38                    *In addition to clinical education, many fellowship programs advance  
39 fellows’ skills as physician-scientists. While the ability to create new  
40 knowledge within medicine is not exclusive to fellowship-educated  
41 physicians, the fellowship experience expands a physician’s abilities to  
42 pursue hypothesis-driven scientific inquiry that results in contributions to  
43 the medical literature and patient care. Beyond the clinical subspecialty  
44 expertise achieved, fellows develop mentored relationships built on an  
45 infrastructure that promotes collaborative research.*

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47 **Int.B.**        **Definition of Subspecialty**

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49 Musculoskeletal radiology is a subspecialty that constitutes an experience in the  
50 application and interpretation of all imaging examinations and procedures as they  
51 relate to the analysis of disorders of the musculoskeletal system, including  
52 bones, joints, and soft tissues. The imaging methods and procedures include  
53 routine radiography, computed tomography, ultrasonography, radionuclide  
54 scintigraphy/positron emission tomography (PET), magnetic resonance,  
55 arthrography, bone mineral density studies, and diagnostic and therapeutic  
56 injections, as well as image-guided percutaneous biopsy techniques.  
57

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

59  
60 The educational program in musculoskeletal radiology must be at least 12  
61 months in length. <sup>(Core)\*</sup>  
62

63 **I. Oversight**

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65 **I.A. Sponsoring Institution**

66  
67 *The Sponsoring Institution is the organization or entity that assumes the*  
68 *ultimate financial and academic responsibility for a program of graduate*  
69 *medical education consistent with the ACGME Institutional Requirements.*  
70

71 *When the Sponsoring Institution is not a rotation site for the program, the*  
72 *most commonly utilized site of clinical activity for the program is the*  
73 *primary clinical site.*  
74

**Background and Intent: Participating sites will reflect the health care needs of the community and the educational needs of the fellows. 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.**

75  
76 **I.A.1. The program must be sponsored by one ACGME-accredited**  
77 **Sponsoring Institution.** <sup>(Core)</sup>  
78

79 **I.B. Participating Sites**

80  
81 *A participating site is an organization providing educational experiences or*  
82 *educational assignments/rotations for fellows.*  
83

84 **I.B.1. The program, with approval of its Sponsoring Institution, must**  
85 **designate a primary clinical site.** <sup>(Core)</sup>  
86

87 **I.B.1.a) The Sponsoring Institution must also sponsor an ACGME-**  
88 **accredited program in diagnostic radiology.** <sup>(Core)</sup>  
89

- 90 I.B.1.b) There must be an ACGME-accredited program in orthopaedic  
 91 surgery at the primary clinical site. <sup>(Core)</sup>  
 92
- 93 I.B.1.c) There should be ACGME-accredited programs in pathology and  
 94 rheumatology at the primary clinical site. <sup>(Core)</sup>  
 95
- 96 I.B.1.c).(1) If these programs are not available at the primary clinical  
 97 site, there must be an active rheumatology service and a  
 98 department of pathology that provides bone and soft tissue  
 99 pathology education at the primary clinical site. <sup>(Core)</sup>  
 100
- 101 **I.B.2. There must be a program letter of agreement (PLA) between the**  
 102 **program and each participating site that governs the relationship**  
 103 **between the program and the participating site providing a required**  
 104 **assignment. <sup>(Core)</sup>**  
 105
- 106 **I.B.2.a) The PLA must:**  
 107
- 108 **I.B.2.a).(1) be renewed at least every 10 years; and, <sup>(Core)</sup>**  
 109
- 110 **I.B.2.a).(2) be approved by the designated institutional official**  
 111 **(DIO). <sup>(Core)</sup>**  
 112
- 113 **I.B.3. The program must monitor the clinical learning and working**  
 114 **environment at all participating sites. <sup>(Core)</sup>**  
 115
- 116 **I.B.3.a) At each participating site there must be one faculty member,**  
 117 **designated by the program director, who is accountable for**  
 118 **fellow education for that site, in collaboration with the**  
 119 **program director. <sup>(Core)</sup>**  
 120

**Background and Intent: While all fellowship 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 designate a faculty member responsible for ensuring the quality of the educational experience. In some circumstances, the person charged with this responsibility may not be physically present at the site, but remains responsible for fellow education occurring at the site. 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 fellows**
- **Specifying the responsibilities for teaching, supervision, and formal evaluation of fellows**
- **Specifying the duration and content of the educational experience**

- **Stating the policies and procedures that will govern fellow education during the assignment**

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

**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 (if present), fellows, faculty members, senior administrative staff members, and other relevant members of its academic community. <sup>(Core)</sup>

**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 fellow education. <sup>(Core)</sup>

I.D.1.a) There must be adequate office space for musculoskeletal radiology faculty members, program administration, and fellows. <sup>(Core)</sup>

I.D.1.b) The program must have appropriate facilities and space for the education of the fellows. <sup>(Core)</sup>

I.D.1.b).(1) There must be adequate study space, conference space, and access to computers. <sup>(Core)</sup>

I.D.1.b).(2) Adequate space for image display, interpretation, and consultation with clinicians and referring physicians must be available. <sup>(Core)</sup>

I.D.1.c) All equipment required for musculoskeletal radiology education must be modern and available. <sup>(Core)</sup>

I.D.1.d) Access to routine radiographic, computed tomographic, scintigraphic, magnetic resonance, and ultrasound equipment must be provided. <sup>(Core)</sup>

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

- 164  
165 I.D.2.a) access to food while on duty; (Core)  
166  
167 I.D.2.b) safe, quiet, clean, and private sleep/rest facilities available  
168 and accessible for fellows with proximity appropriate for safe  
169 patient care; (Core)  
170

**Background and Intent: Care of patients within a hospital or health system occurs continually through the day and night. Such care requires that fellows 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 fellows are working. Fellows should have access to refrigeration where food may be stored. Food should be available when fellows are required to be in the hospital overnight. Rest facilities are necessary, even when overnight call is not required, to accommodate the fatigued fellow.**

- 171  
172 I.D.2.c) clean and private facilities for lactation that have refrigeration  
173 capabilities, with proximity appropriate for safe patient care;  
174 (Core)  
175

**Background and Intent: Sites must provide private and clean locations where fellows 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 fellow 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 fellow and the fellow's family, as outlined in VI.C.1.d).(1).**

- 176  
177 I.D.2.d) security and safety measures appropriate to the participating  
178 site; and, (Core)  
179  
180 I.D.2.e) accommodations for fellows with disabilities consistent with  
181 the Sponsoring Institution's policy. (Core)  
182  
183 I.D.3. Fellows must have ready access to subspecialty-specific and other  
184 appropriate reference material in print or electronic format. This  
185 must include access to electronic medical literature databases with  
186 full text capabilities. (Core)  
187  
188 I.D.4. The program's educational and clinical resources must be adequate  
189 to support the number of fellows appointed to the program. (Core)  
190  
191 I.D.4.a) The program must ensure there is an adequate volume and  
192 variety of imaging studies and image-guided invasive procedures  
193 for the fellows' education. (Core)  
194  
195 I.D.4.b) The program must ensure that fellows are provided access to a  
196 variety of patients encompassing the entire range of disorders of  
197 the musculoskeletal system, including articular, congenital,

- 198 degenerative, hematopoietic, infectious, metabolic, neoplastic,  
199 traumatic, and vascular, diseases. <sup>(Core)</sup>  
200  
201 I.D.4.c) Fellows must have access to both inpatients and outpatients. <sup>(Core)</sup>  
202  
203 **I.E. A fellowship program usually occurs in the context of many learners and**  
204 **other care providers and limited clinical resources. It should be structured**  
205 **to optimize education for all learners present.**  
206  
207 **I.E.1. Fellows should contribute to the education of residents in core**  
208 **programs, if present.** <sup>(Core)</sup>  
209

**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 fellows' education is not compromised by the presence of other providers and learners, and that fellows' education does not compromise core residents' education.**

- 210  
211 I.E.2. Shared experiences with residents and fellows in orthopaedic surgery,  
212 pathology, rheumatology, and other appropriate specialties, including  
213 surgical subspecialties, should occur. <sup>(Core)</sup>  
214  
215 I.E.2.a) When appropriate, supervision and teaching by faculty members  
216 in these additional disciplines should be available. <sup>(Detail)</sup>  
217  
218 I.E.3. The fellows must not dilute or detract from the educational opportunities  
219 available to residents in the core diagnostic radiology residency program.  
220 <sup>(Core)</sup>  
221  
222 I.E.4. Lines of responsibilities for the diagnostic radiology residents and the  
223 musculoskeletal fellows must be clearly defined. <sup>(Core)</sup>  
224

**Subspecialty-Specific Background and Intent: A close relationship and interaction between the fellowship program and the diagnostic radiology residency program will be essential in the management and oversight of the clinical environment to prevent dilution of education and training for both fellows and residents.**

- 225  
226 **II. Personnel**  
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228 **II.A. Program Director**  
229  
230 **II.A.1. There must be one faculty member appointed as program director**  
231 **with authority and accountability for the overall program, including**  
232 **compliance with all applicable program requirements.** <sup>(Core)</sup>  
233  
234 **II.A.1.a) The Sponsoring Institution's Graduate Medical Education**  
235 **Committee (GMEC) must approve a change in program**  
236 **director.** <sup>(Core)</sup>  
237

238 **II.A.1.b) Final approval of the program director resides with the**  
 239 **Review Committee. (Core)**  
 240

**Background and Intent: While the ACGME recognizes the value of input from numerous individuals in the management of a fellowship, 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.**

241  
 242 **II.A.2. The program director and, as applicable, the program’s leadership**  
 243 **team, must be provided with support adequate for administration of**  
 244 **the program based upon its size and configuration. (Core)**  
 245

246 **II.A.2.a) At a minimum, the program director must be provided with the**  
 247 **dedicated time and support specified below for administration of**  
 248 **the program: (Core)**  
 249

Number of Approved Fellow Positions	Minimum Support Required (FTE)
<u>1-6</u>	0.1
<u>7-8</u>	0.2
<u>9 or more</u>	0.3

250  
 251

Number of Approved Fellow Positions
<u>1-4</u>
<u>5-7</u>
<u>8 or more</u>

252

**Background and Intent: To achieve successful graduate medical education, individuals serving as education and administrative leaders of fellowship programs, as well as those significantly engaged in the education, supervision, evaluation, and mentoring of fellows, 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 fellow 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 fellowship 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 subspecialty expertise and qualifications acceptable to the Review Committee;** <sup>(Core)</sup>

II.A.3.a).(1) This must include post-residency experience in musculoskeletal radiology, including fellowship education or five years of practice focused in musculoskeletal radiology. <sup>(Core)</sup>

II.A.3.a).(2) This must include experience as an educator and supervisor of fellows in musculoskeletal radiology. <sup>(Core)</sup>

II.A.3.a).(3) This must include at least three years' experience as a faculty member in an ACGME-accredited or American Osteopathic Association (AOA)-approved residency or fellowship program. <sup>(Core)</sup>

**II.A.3.b) must include current certification in the specialty by the American Board of Radiology or by the American Osteopathic Board of Radiology, or subspecialty qualifications that are acceptable to the Review Committee;** <sup>(Core)</sup>

[Note that while the Common Program Requirements deem certification by a certifying board of ABMS or the AOA acceptable, there is no ABMS or AOA board that offers certification in this subspecialty]

II.A.3.c) must include devotion of at least 80 percent of professional clinical contributions in musculoskeletal radiology; and, <sup>(Core)</sup>

II.A.3.d) must include devotion of sufficient time to fulfill all responsibilities inherent to meeting the educational goals of the program. <sup>(Core)</sup>

**II.A.4. Program Director Responsibilities**

**The program director must have responsibility, authority, and accountability for: administration and operations; teaching and scholarly activity; fellow recruitment and selection, evaluation, and promotion of fellows, and disciplinary action; supervision of fellows; and fellow education in the context of patient care.** <sup>(Core)</sup>

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

**II.A.4.a).(1) be a role model of professionalism;** <sup>(Core)</sup>

**Background and Intent:** The program director, as the leader of the program, must serve as a role model to fellows in addition to fulfilling the technical aspects of the role. As fellows 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; <sup>(Core)</sup>

**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 fellows in each of the ACGME Competency domains; <sup>(Core)</sup>

**Background and Intent:** The program director may establish a leadership team to assist in the accomplishment of program goals. Fellowship 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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- II.A.4.a).(4)** develop and oversee a process to evaluate candidates prior to approval as program faculty members for participation in the fellowship program education and at least annually thereafter, as outlined in V.B.; <sup>(Core)</sup>

- II.A.4.a).(5)** have the authority to approve program faculty members for participation in the fellowship program education at all sites; <sup>(Core)</sup>

- II.A.4.a).(6)** have the authority to remove program faculty members from participation in the fellowship program education at all sites; <sup>(Core)</sup>

- II.A.4.a).(7)** have the authority to remove fellows from supervising interactions and/or learning environments that do not meet the standards of the program; <sup>(Core)</sup>

**Background and Intent:** The program director has the responsibility to ensure that all who educate fellows effectively role model the Core Competencies. Working with a

**fellow 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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- II.A.4.a).(8)** submit accurate and complete information required and requested by the DIO, GMEC, and ACGME; <sup>(Core)</sup>
- II.A.4.a).(9)** provide applicants who are offered an interview with information related to the applicant's eligibility for the relevant subspecialty board examination(s); <sup>(Core)</sup>
- II.A.4.a).(10)** provide a learning and working environment in which fellows have the opportunity to raise concerns and provide feedback in a confidential manner as appropriate, without fear of intimidation or retaliation; <sup>(Core)</sup>
- II.A.4.a).(11)** ensure the program's compliance with the Sponsoring Institution's policies and procedures related to grievances and due process; <sup>(Core)</sup>
- II.A.4.a).(12)** ensure the program's compliance with the Sponsoring Institution's policies and procedures for due process when action is taken to suspend or dismiss, not to promote, or not to renew the appointment of a fellow; <sup>(Core)</sup>

**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 fellows.**

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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; <sup>(Core)</sup>
- II.A.4.a).(13).(a)** Fellows must not be required to sign a non-competition guarantee or restrictive covenant. <sup>(Core)</sup>
- II.A.4.a).(14)** document verification of program completion for all graduating fellows within 30 days; <sup>(Core)</sup>
- II.A.4.a).(15)** provide verification of an individual fellow's completion upon the fellow's request, within 30 days; and, <sup>(Core)</sup>

**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 fellows who have previously completed the program. Fellows 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. <sup>(Core)</sup>

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**II.B. Faculty**

*Faculty members are a foundational element of graduate medical education – faculty members teach fellows how to care for patients. Faculty members provide an important bridge allowing fellows 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.*

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*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, fellows, community, and institution. Faculty members provide appropriate levels of supervision to promote patient safety. Faculty members create an effective learning environment by acting in a professional manner and attending to the well-being of the fellows and themselves.*

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

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**II.B.1.** For each participating site, there must be a sufficient number of faculty members with competence to instruct and supervise all fellows at that location. <sup>(Core)</sup>

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**II.B.1.a)** To ensure adequate teaching, supervision, and evaluation of the fellows’ academic progress, there must be a ratio of at least one full-time faculty member for every two fellows in the program. <sup>(Core)</sup>

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**II.B.2. Faculty members must:**

- 411 **II.B.2.a)** be role models of professionalism; <sup>(Core)</sup>  
 412  
 413 **II.B.2.b)** demonstrate commitment to the delivery of safe, quality,  
 414 cost-effective, patient-centered care; <sup>(Core)</sup>  
 415

**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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 417 **II.B.2.c)** demonstrate a strong interest in the education of fellows; <sup>(Core)</sup>  
 418  
 419 **II.B.2.d)** devote sufficient time to the educational program to fulfill  
 420 their supervisory and teaching responsibilities; <sup>(Core)</sup>  
 421  
 422 **II.B.2.e)** administer and maintain an educational environment  
 423 conducive to educating fellows; <sup>(Core)</sup>  
 424  
 425 **II.B.2.f)** regularly participate in organized clinical discussions,  
 426 rounds, journal clubs, and conferences; and, <sup>(Core)</sup>  
 427  
 428 **II.B.2.g)** pursue faculty development designed to enhance their skills  
 429 at least annually. <sup>(Core)</sup>  
 430

**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 fellowship program faculty in the aggregate.**

- 431  
 432 **II.B.3. Faculty Qualifications**  
 433  
 434 **II.B.3.a)** Faculty members must have appropriate qualifications in  
 435 their field and hold appropriate institutional appointments.  
 436 <sup>(Core)</sup>  
 437

- 438 **II.B.3.b)** Subspecialty physician faculty members must:  
 439

- 440 **II.B.3.b).(1)** have current certification in the specialty by the  
 441 American Board of Radiology or the American  
 442 Osteopathic Board of Radiology, or possess  
 443 qualifications judged acceptable to the Review  
 444 Committee; and, <sup>(Core)</sup>  
 445

446 [Note that while the Common Program Requirements  
 447 deem certification by a certifying board of the ABMS or the  
 448 AOA acceptable, there is no ABMS or AOA board that  
 449 offers certification in this subspecialty]

450  
451 II.B.3.b).(2) have post-residency experience in musculoskeletal  
452 radiology, including fellowship education. <sup>(Core)</sup>

453  
454 **II.B.3.c) Any non-physician faculty members who participate in**  
455 **fellowship program education must be approved by the**  
456 **program director. <sup>(Core)</sup>**  
457

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

458  
459 **II.B.3.d) Any other specialty physician faculty members must have**  
460 **current certification in their specialty by the appropriate**  
461 **American Board of Medical Specialties (ABMS) member**  
462 **board or American Osteopathic Association (AOA) certifying**  
463 **board, or possess qualifications judged acceptable to the**  
464 **Review Committee. <sup>(Core)</sup>**

465  
466 **II.B.4. Core Faculty**

467  
468 **Core faculty members must have a significant role in the education**  
469 **and supervision of fellows and must devote a significant portion of**  
470 **their entire effort to fellow education and/or administration, and**  
471 **must, as a component of their activities, teach, evaluate, and provide**  
472 **formative feedback to fellows. <sup>(Core)</sup>**  
473

**Background and Intent: Core faculty members are critical to the success of fellow education. They support the program leadership in developing, implementing, and assessing curriculum, mentoring fellows, and assessing fellows' 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 fellows, and also participate in non-clinical activities related to fellow education and program administration. Examples of these non-clinical activities include, but are not limited to, interviewing and selecting fellow applicants, providing didactic instruction, mentoring fellows, simulation exercises, completing the annual ACGME Faculty Survey, and participating on the program's Clinical Competency Committee, Program Evaluation Committee, and other GME committees.**

474  
475 **II.B.4.a) Core faculty members must be designated by the program**  
476 **director. <sup>(Core)</sup>**  
477

478 **II.B.4.b) Core faculty members must complete the annual ACGME**  
479 **Faculty Survey.** <sup>(Core)</sup>

480  
481 **II.B.4.c)** The musculoskeletal radiology faculty must have a minimum of  
482 two FTE core faculty members, which must include the program  
483 director and at least one other full-time radiologist specializing in  
484 musculoskeletal radiology. <sup>(Core)</sup>

485  
486 **II.C. Program Coordinator**

487  
488 **II.C.1. There must be a program coordinator.** <sup>(Core)</sup>

489  
490 **II.C.2. The program coordinator must be provided with support adequate**  
491 **for administration of the program based upon its size and**  
492 **configuration.** <sup>(Core)</sup>

493  
494 **II.C.2.a)** At a minimum, the program coordinator must be provided with the  
495 dedicated time and support specified below for administration of  
496 the program as follows: <sup>(Core)</sup>

497

<u>Number of Approved Fellow Positions</u>	<u>Minimum Support Required (FTE)</u>
<u>1-3</u>	<u>0.3</u>
<u>4-7</u>	<u>0.4</u>
<u>8 or more</u>	<u>0.50</u>

498 **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 fellows.**

**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 fellows may not require a full-time coordinator; one coordinator may support more than one program.**

499  
500 **II.D. Other Program Personnel**

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502  
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The program, in partnership with its Sponsoring Institution, must jointly ensure the availability of necessary personnel for the effective administration of the program. <sup>(Core)</sup>

**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. Fellow Appointments**

**III.A. Eligibility Criteria**

**III.A.1. Eligibility Requirements – Fellowship Programs**

All required clinical education for entry into ACGME-accredited fellowship programs must be completed in an ACGME-accredited residency program, an AOA-approved residency program, a program with ACGME International (ACGME-I) Advanced Specialty Accreditation, or a Royal College of Physicians and Surgeons of Canada (RCPSC)-accredited or College of Family Physicians of Canada (CFPC)-accredited residency program located in Canada. <sup>(Core)</sup>

**Background and Intent: Eligibility for ABMS or AOA Board certification may not be satisfied by fellowship training. Applicants must be notified of this at the time of application, as required in II.A.4.a).(9).**

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**III.A.1.a) Fellowship programs must receive verification of each entering fellow’s level of competence in the required field, upon matriculation, using ACGME, ACGME-I, or CanMEDS Milestones evaluations from the core residency program. <sup>(Core)</sup>**

**III.A.1.b) Prerequisite experience for entry into the fellowship program should include the satisfactory completion of a diagnostic radiology or interventional radiology residency program that satisfies the requirements in III.A.1. <sup>(Core)</sup>**

**III.A.1.c) Fellow Eligibility Exception**

**The Review Committee for Radiology will allow the following exception to the fellowship eligibility requirements:**

**III.A.1.c).(1) An ACGME-accredited fellowship program may accept an exceptionally qualified international graduate applicant who does not satisfy the eligibility requirements listed in III.A.1., but who does meet all of the following additional qualifications and conditions: <sup>(Core)</sup>**

- 544  
545 **III.A.1.c).(1).(a)** evaluation by the program director and  
546 fellowship selection committee of the  
547 applicant's suitability to enter the program,  
548 based on prior training and review of the  
549 summative evaluations of training in the core  
550 specialty; and, <sup>(Core)</sup>  
551  
552 **III.A.1.c).(1).(b)** review and approval of the applicant's  
553 exceptional qualifications by the GMEC; and,  
554 <sup>(Core)</sup>  
555  
556 **III.A.1.c).(1).(c)** verification of Educational Commission for  
557 Foreign Medical Graduates (ECFMG)  
558 certification. <sup>(Core)</sup>  
559  
560 **III.A.1.c).(2)** Applicants accepted through this exception must have  
561 an evaluation of their performance by the Clinical  
562 Competency Committee within 12 weeks of  
563 matriculation. <sup>(Core)</sup>  
564

**Background and Intent: An exceptionally qualified international graduate applicant has (1) completed a residency program in the core specialty outside the continental United States that was not accredited by the ACGME, AOA, ACGME-I, RCPSC or CFPC, and (2) demonstrated clinical excellence, in comparison to peers, throughout training. Additional evidence of exceptional qualifications is required, which may include one of the following: (a) participation in additional clinical or research training in the specialty or subspecialty; (b) demonstrated scholarship in the specialty or subspecialty; and/or (c) demonstrated leadership during or after residency. Applicants being considered for these positions must be informed of the fact that their training may not lead to certification by ABMS member boards or AOA certifying boards.**

**In recognition of the diversity of medical education and training around the world, this early evaluation of clinical competence required for these applicants ensures they can provide quality and safe patient care. Any gaps in competence should be addressed as per policies for fellows already established by the program in partnership with the Sponsoring Institution.**

- 565  
566 **III.B.** The program director must not appoint more fellows than approved by the  
567 Review Committee. <sup>(Core)</sup>  
568  
569 **III.B.1.** All complement increases must be approved by the Review  
570 Committee. <sup>(Core)</sup>  
571  
572 **III.C.** Fellow Transfers  
573  
574 The program must obtain verification of previous educational experiences  
575 and a summative competency-based performance evaluation prior to  
576 acceptance of a transferring fellow, and Milestones evaluations upon  
577 matriculation. <sup>(Core)</sup>  
578

579 **IV. Educational Program**

580

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

584

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

587

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

598

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

600

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

604

605 **IV.A.1.a) The program's aims must be made available to program**  
606 **applicants, fellows, and faculty members.** (Core)

607

608 **IV.A.2. competency-based goals and objectives for each educational**  
609 **experience designed to promote progress on a trajectory to**  
610 **autonomous practice in their subspecialty. These must be**  
611 **distributed, reviewed, and available to fellows and faculty members;**  
612 **(Core)**

613

614 **IV.A.3. delineation of fellow responsibilities for patient care, progressive**  
615 **responsibility for patient management, and graded supervision in**  
616 **their subspecialty;** (Core)

617

**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.**

618

619 **IV.A.4. structured educational activities beyond direct patient care; and,**  
620 **(Core)**

621

**Background and Intent: Patient care-related educational activities, such as morbidity and mortality conferences, tumor boards, surgical planning conferences, case**

discussions, etc., allow fellows to gain medical knowledge directly applicable to the patients they serve. Programs should define those educational activities in which fellows are expected to participate and for which time is protected. Further specification can be found in IV.C.

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**IV.A.5.** advancement of fellows' knowledge of ethical principles foundational to medical professionalism. (Core)

**IV.B. ACGME Competencies**

**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 subspecialty. The developmental trajectories in each of the Competencies are articulated through the Milestones for each subspecialty. The focus in fellowship is on subspecialty-specific patient care and medical knowledge, as well as refining the other competencies acquired in residency.

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**IV.B.1.** The program must integrate the following ACGME Competencies into the curriculum: (Core)

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

Fellows must demonstrate a commitment to professionalism and an adherence to ethical principles. (Core)

**IV.B.1.b) Patient Care and Procedural Skills**

**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.

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**IV.B.1.b).(1)** Fellows must be able to provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health. (Core)

**IV.B.1.b).(1).(a)** Fellows must demonstrate competence in providing consultation with referring physicians or services. (Core)

**IV.B.1.b).(1).(b)** Fellows must demonstrate competence in following

650		standards of care for practicing in a safe
651		environment, attempting to reduce errors, and
652		improving patient outcomes. <sup>(Core)</sup>
653		
654	IV.B.1.b).(1).(c)	Fellows must demonstrate competence in
655		interpreting all specified exams and/or invasive
656		studies under close, graded responsibility and
657		supervision. <sup>(Core)</sup>
658		
659	IV.B.1.b).(1).(d)	Fellows should demonstrate competence in
660		educating diagnostic and interventional radiology
661		residents, and if appropriate, residents of other
662		disciplines, medical students, and other
663		professional personnel, in the care and
664		management of patients. <sup>(Core)</sup>
665		
666	<b>IV.B.1.b).(2)</b>	<b>Fellows must be able to perform all medical,</b>
667		<b>diagnostic, and surgical procedures considered</b>
668		<b>essential for the area of practice.</b> <sup>(Core)</sup>
669		
670	IV.B.1.b).(2).(a)	Fellows must demonstrate competence in applying
671		low-dose radiation techniques for both adults and
672		children. <sup>(Core)</sup>
673		
674	IV.B.1.b).(2).(b)	Fellows must demonstrate competence in
675		performing all specified exams and/or invasive
676		studies under close, graded responsibility and
677		supervision. <sup>(Core)</sup>
678		
679	IV.B.1.b).(2).(c)	As competence increases and is demonstrated,
680		fellows must have graduated responsibility for
681		invasive procedures, including for pre- and post-
682		procedural patient care. <sup>(Core)</sup>
683		
684	IV.B.1.b).(2).(d)	Fellows should demonstrate competence in
685		coordinating and cooperating with referring
686		physicians, including emergency department
687		specialists, orthopaedic surgeons, and
688		rheumatologists. <sup>(Core)</sup>
689		
690	<b>IV.B.1.c)</b>	<b>Medical Knowledge</b>
691		
692		<b>Fellows must demonstrate knowledge of established and</b>
693		<b>evolving biomedical, clinical, epidemiological and social-</b>
694		<b>behavioral sciences, as well as the application of this</b>
695		<b>knowledge to patient care.</b> <sup>(Core)</sup>
696		
697	IV.B.1.c).(1)	Fellows must demonstrate a level of expertise in the
698		knowledge of those areas appropriate for a
699		musculoskeletal radiology specialist. <sup>(Core)</sup>
700		

- 701 IV.B.1.c).(2) Fellows must demonstrate an understanding of low-dose  
702 radiation techniques for both adults and children. (Core)  
703
- 704 IV.B.1.c).(3) Fellows must demonstrate knowledge of the prevention  
705 and treatment of complications of contrast administration.  
706 (Core)  
707
- 708 IV.B.1.c).(4) Fellows must demonstrate knowledge of and actively  
709 participate in the formulation of a diagnosis and/or the  
710 generation of an imaging protocol. (Core)  
711
- 712 IV.B.1.c).(5) Fellows should demonstrate knowledge and skills in  
713 preparing and presenting educational material for medical  
714 students, residents, staff members, and allied health  
715 personnel. (Core)  
716
- 717 IV.B.1.c).(6) Fellows should demonstrate an understanding of proper  
718 imaging protocols to ensure that excessive or inappropriate  
719 examinations are not ordered and performed. (Core)  
720

721 **IV.B.1.d)**

**Practice-based Learning and Improvement**

**Fellows must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and lifelong learning. (Core)**

**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 fellow refine the habits of mind required to continuously pursue quality improvement, well past the completion of fellowship.**

- 728
- 729 **IV.B.1.e) Interpersonal and Communication Skills**
- 730
- 731 **Fellows must demonstrate interpersonal and communication**  
732 **skills that result in the effective exchange of information and**  
733 **collaboration with patients, their families, and health**  
734 **professionals. (Core)**

735

736 **IV.B.1.f) Systems-based Practice**

**Fellows must demonstrate an awareness of and responsiveness to the larger context and system of health care, including the social determinants of health, as well as the ability to call effectively on other resources to provide optimal health care. (Core)**

743

744	<b>IV.C.</b>	<b>Curriculum Organization and Fellow Experiences</b>
745		
746	<b>IV.C.1.</b>	<b>The curriculum must be structured to optimize fellow educational experiences, the length of these experiences, and supervisory continuity.</b> <sup>(Core)</sup>
747		
748		
749		
750	IV.C.1.a)	The assignment of educational experiences should be structured to minimize the frequency of transitions. <sup>(Detail)</sup>
751		
752		
753	IV.C.1.b)	Educational experiences should be of sufficient length to provide a quality educational experience defined by ongoing supervision, longitudinal relationships with faculty members, and high-quality assessment and feedback. <sup>(Detail)</sup>
754		
755		
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757		
758	<b>IV.C.2.</b>	<b>The program must provide instruction and experience in pain management if applicable for the subspecialty, including recognition of the signs of addiction.</b> <sup>(Core)</sup>
759		
760		
761		
762	IV.C.3.	Didactic Experiences
763		
764	IV.C.3.a)	Fellows must have didactic conferences and teaching sessions that include musculoskeletal concepts related to anatomy, orthopaedic surgery, pathology, physiology, and rheumatology. <sup>(Core)</sup>
765		
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768		
769	IV.C.3.a).(1)	Fellows must attend and participate in department conferences, such as daily image interpretation sessions. <sup>(Core)</sup>
770		
771		
772		
773	IV.C.3.b)	Didactic Activities must provide for progressive fellow participation, and should include: <sup>(Core)</sup>
774		
775		
776	IV.C.3.b).(1)	intradepartmental conferences; <sup>(Core)</sup>
777		
778	IV.C.3.b).(2)	regularly scheduled multidisciplinary conferences; and, <sup>(Core)</sup>
779		
780		
781	IV.C.3.b).(2).(a)	These should include the disciplines of neurological surgery, orthopaedic surgery, and other appropriate surgical specialties; pathology; rheumatology; and oncology. <sup>(Core)</sup>
782		
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784		
785		
786	IV.C.3.b).(2).(b)	In addition, the educational experience should include radiology-oriented conferences with medical students and staff. <sup>(Core)</sup>
787		
788		
789		
790	IV.C.3.b).(3)	peer-review case conferences and/or morbidity and mortality conferences. <sup>(Core)</sup>
791		
792		

Subspecialty-Specific Background and Intent: It is intended that fellows will participate in structured didactic activities that 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.

- 793  
794 IV.C.3.c) Journal club must be held on a quarterly basis. <sup>(Core)</sup>  
795  
796 IV.C.3.d) Fellows must participate in and regularly attend didactic activities,  
797 directed to the level of the individual fellow, that provide formal  
798 review of the topics in the subspecialty curriculum. <sup>(Core)</sup>  
799  
800 IV.C.3.d).(1) This should include scheduled presentations by the  
801 fellows. <sup>(Detail)</sup>  
802  
803 IV.C.3.d).(2) These didactic activities should occur at least twice per  
804 month. <sup>(Detail)</sup>  
805  
806 IV.C.3.e) Fellows should attend and participate in local conferences and at  
807 least one national meeting or medical education course in  
808 musculoskeletal radiology during the fellowship program. <sup>(Core)</sup>  
809

Subspecialty-Specific Background and Intent: Fellow participation in local or national subspecialty societies is encouraged, and programs are encouraged to provide support, including time away from the program, for that participation.

- 810  
811 IV.C.4. Fellow Experiences  
812  
813 IV.C.4.a) Fellows must have clinical and didactic experiences that  
814 encompass the entire spectrum of musculoskeletal diseases and  
815 their pathophysiology. <sup>(Core)</sup>  
816  
817 IV.C.4.a).(1) This must include both the axial and the appendicular  
818 skeletons of both adult and pediatric patients. <sup>(Core)</sup>  
819  
820 IV.C.4.b) Fellows must interpret, under appropriate supervision, diagnostic  
821 examinations. <sup>(Core)</sup>  
822  
823 IV.C.4.c) Fellows must perform and interpret image-guided interventions,  
824 including arthrograms, diagnostic/therapeutic injections, and  
825 percutaneous biopsy procedures. <sup>(Core)</sup>  
826  
827 IV.C.4.d) Fellows must maintain a procedure log documenting their  
828 involvement in both diagnostic and image-guided interventions.  
829 <sup>(Core)</sup>  
830  
831 IV.C.4.e) Fellows should have experience with bone densitometry,  
832 radionuclide scintigraphy, and ultrasonography as they relate to  
833 diseases of the musculoskeletal system. <sup>(Core)</sup>  
834  
835 **IV.D. Scholarship**  
836

837 **Medicine is both an art and a science. The physician is a humanistic**  
838 **scientist who cares for patients. This requires the ability to think critically,**  
839 **evaluate the literature, appropriately assimilate new knowledge, and**  
840 **practice lifelong learning. The program and faculty must create an**  
841 **environment that fosters the acquisition of such skills through fellow**  
842 **participation in scholarly activities as defined in the subspecialty-specific**  
843 **Program Requirements. Scholarly activities may include discovery,**  
844 **integration, application, and teaching.**

845  
846 **The ACGME recognizes the diversity of fellowships and anticipates that**  
847 **programs prepare physicians for a variety of roles, including clinicians,**  
848 **scientists, and educators. It is expected that the program's scholarship will**  
849 **reflect its mission(s) and aims, and the needs of the community it serves.**  
850 **For example, some programs may concentrate their scholarly activity on**  
851 **quality improvement, population health, and/or teaching, while other**  
852 **programs might choose to utilize more classic forms of biomedical**  
853 **research as the focus for scholarship.**

854  
855 **IV.D.1. Program Responsibilities**

856  
857 **IV.D.1.a) The program must demonstrate evidence of scholarly**  
858 **activities, consistent with its mission(s) and aims. <sup>(Core)</sup>**

859  
860 **IV.D.1.b) The program in partnership with its Sponsoring Institution,**  
861 **must allocate adequate resources to facilitate fellow and**  
862 **faculty involvement in scholarly activities. <sup>(Core)</sup>**

863  
864 **IV.D.2. Faculty Scholarly Activity**

865  
866 **IV.D.2.a) Among their scholarly activity, programs must demonstrate**  
867 **accomplishments in at least three of the following domains:**  
868 **<sup>(Core)</sup>**

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- **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**

883 **IV.D.2.b) The program must demonstrate dissemination of scholarly**  
884 **activity within and external to the program by the following**  
885 **methods:**  
886

**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 fellows’ 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.**

- 887  
888 **IV.D.2.b).(1)** faculty participation in grand rounds, posters,  
889 workshops, quality improvement presentations,  
890 podium presentations, grant leadership, non-peer-  
891 reviewed print/electronic resources, articles or  
892 publications, book chapters, textbooks, webinars,  
893 service on professional committees, or serving as a  
894 journal reviewer, journal editorial board member, or  
895 editor; (Outcome)‡  
896  
897 **IV.D.2.b).(2)** peer-reviewed publication. (Outcome)  
898  
899 **IV.D.3. Fellow Scholarly Activity**  
900  
901 **IV.D.3.a)** The program must provide instruction in the fundamentals of  
902 experimental design, performance, and interpretation of results.  
903 (Core)  
904  
905 **IV.D.3.b)** All fellows must engage in a scholarly project. (Core)  
906  
907 **IV.D.3.b).(1)** Scholarly projects should demonstrate the fellows’  
908 competence in the fundamentals of research by the  
909 completion of and/or participation in one of the following  
910 projects, but not limited to:  
911  
912 **IV.D.3.b).(1).(a)** laboratory research; (Detail)  
913  
914 **IV.D.3.b).(1).(b)** clinical research; (Detail)  
915  
916 **IV.D.3.b).(1).(c)** analysis of disease processes, imaging techniques,  
917 or practice management issues. (Detail)  
918  
919 **IV.D.3.b).(2)** The results of such projects should be disseminated in the  
920 academic community by either submission for publication  
921 within a printed journal or online educational resource, or  
922 presentation at departmental, institutional, local, regional,  
923 national, or international meetings. (Outcome)  
924  
925 **IV.D.3.c)** Laboratory facilities to support research projects should be  
926 available. (Detail)  
927  
928 **V. Evaluation**

929  
930 **V.A. Fellow Evaluation**  
931  
932 **V.A.1. Feedback and Evaluation**  
933

**Background and Intent:** Feedback is ongoing information provided regarding aspects of one's performance, knowledge, or understanding. The faculty empower fellows 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 fellow learning* and providing ongoing feedback that can be used by fellows to improve their learning in the context of provision of patient care or other educational opportunities. More specifically, formative evaluations help:

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

Summative evaluation is *evaluating a fellow's learning* by comparing the fellows 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 fellows or faculty members use it to guide their efforts and activities in subsequent rotations and to successfully complete the fellowship program.

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

- 934  
935 **V.A.1.a) Faculty members must directly observe, evaluate, and**  
936 **frequently provide feedback on fellow performance during**  
937 **each rotation or similar educational assignment. (Core)**  
938

**Background and Intent:** Faculty members should provide feedback frequently throughout the course of each rotation. Fellows 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 fellows who have deficiencies that may result in a poor final rotation evaluation.

- 939  
940 **V.A.1.b) Evaluation must be documented at the completion of the**  
941 **assignment. (Core)**  
942  
943 **V.A.1.b).(1) For block rotations of greater than three months in**  
944 **duration, evaluation must be documented at least**  
945 **every three months. (Core)**

946  
947 **V.A.1.b).(2)** **Longitudinal experiences such as continuity clinic in**  
948 **the context of other clinical responsibilities must be**  
949 **evaluated at least every three months and at**  
950 **completion.** <sup>(Core)</sup>  
951

Specialty-Specific Background and Intent: A complete quarterly evaluation also includes a review of the fellows' procedure log, procedural competencies, and documentation of compliance with institutional and departmental policies (HIPAA, the Joint Commission, patient safety, infection control, etc.).

952  
953 **V.A.1.c)** **The program must provide an objective performance**  
954 **evaluation based on the Competencies and the subspecialty-**  
955 **specific Milestones, and must:** <sup>(Core)</sup>  
956

957 **V.A.1.c).(1)** **use multiple evaluators (e.g., faculty members, peers,**  
958 **patients, self, and other professional staff members);**  
959 **and,** <sup>(Core)</sup>  
960

961 **V.A.1.c).(2)** **provide that information to the Clinical Competency**  
962 **Committee for its synthesis of progressive fellow**  
963 **performance and improvement toward unsupervised**  
964 **practice.** <sup>(Core)</sup>  
965

**Background and Intent: The trajectory to autonomous practice in a subspecialty is documented by the subspecialty-specific Milestones evaluation during fellowship. These Milestones detail the progress of a fellow in attaining skill in each competency domain. It is expected that the most growth in fellowship education occurs in patient care and medical knowledge, while the other four domains of competency must be ensured in the context of the subspecialty. They are developed by a subspecialty group and allow evaluation based on observable behaviors. The 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 fellow.**

966  
967 **V.A.1.d)** **The program director or their designee, with input from the**  
968 **Clinical Competency Committee, must:**  
969

970 **V.A.1.d).(1)** **meet with and review with each fellow their**  
971 **documented semi-annual evaluation of performance,**  
972 **including progress along the subspecialty-specific**  
973 **Milestones.** <sup>(Core)</sup>  
974

975 **V.A.1.d).(2)** **assist fellows in developing individualized learning**  
976 **plans to capitalize on their strengths and identify areas**  
977 **for growth; and,** <sup>(Core)</sup>  
978

979 **V.A.1.d).(3)** **develop plans for fellows failing to progress, following**  
980 **institutional policies and procedures.** <sup>(Core)</sup>  
981

**Background and Intent: Learning is an active process that requires effort from the teacher and the learner. Faculty members evaluate a fellow'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. Fellows 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, fellows should develop an individualized learning plan.**

**Fellows 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 fellow, will take a variety of forms based on the specific learning needs of the fellow. However, the ACGME recognizes that there are situations which require more significant intervention that may alter the time course of fellow progression. To ensure due process, it is essential that the program director follow institutional policies and procedures.**

- 982  
983 **V.A.1.e)** At least annually, there must be a summative evaluation of  
984 each fellow that includes their readiness to progress to the  
985 next year of the program, if applicable. <sup>(Core)</sup>  
986  
987 **V.A.1.f)** The evaluations of a fellow's performance must be accessible  
988 for review by the fellow. <sup>(Core)</sup>  
989  
990 **V.A.2.** Final Evaluation  
991  
992 **V.A.2.a)** The program director must provide a final evaluation for each  
993 fellow upon completion of the program. <sup>(Core)</sup>  
994  
995 **V.A.2.a).(1)** The subspecialty-specific Milestones, and when  
996 applicable the subspecialty-specific Case Logs, must  
997 be used as tools to ensure fellows are able to engage  
998 in autonomous practice upon completion of the  
999 program. <sup>(Core)</sup>  
1000  
1001 **V.A.2.a).(2)** The final evaluation must:  
1002  
1003 **V.A.2.a).(2).(a)** become part of the fellow's permanent record  
1004 maintained by the institution, and must be  
1005 accessible for review by the fellow in  
1006 accordance with institutional policy; <sup>(Core)</sup>  
1007  
1008 **V.A.2.a).(2).(b)** verify that the fellow has demonstrated the  
1009 knowledge, skills, and behaviors necessary to  
1010 enter autonomous practice; <sup>(Core)</sup>  
1011  
1012 **V.A.2.a).(2).(c)** consider recommendations from the Clinical  
1013 Competency Committee; and, <sup>(Core)</sup>  
1014

- 1015 **V.A.2.a).(2).(d)** be shared with the fellow upon completion of  
 1016 the program. <sup>(Core)</sup>  
 1017
- 1018 **V.A.3.** **A Clinical Competency Committee must be appointed by the**  
 1019 **program director.** <sup>(Core)</sup>  
 1020
- 1021 **V.A.3.a)** **At a minimum the Clinical Competency Committee must**  
 1022 **include three members, at least one of whom is a core faculty**  
 1023 **member. Members must be faculty members from the same**  
 1024 **program or other programs, or other health professionals**  
 1025 **who have extensive contact and experience with the**  
 1026 **program's fellows.** <sup>(Core)</sup>  
 1027
- 1028 **V.A.3.b)** **The Clinical Competency Committee must:**  
 1029
- 1030 **V.A.3.b).(1)** **review all fellow evaluations at least semi-annually;**  
 1031 <sup>(Core)</sup>  
 1032
- 1033 **V.A.3.b).(2)** **determine each fellow's progress on achievement of**  
 1034 **the subspecialty-specific Milestones; and,** <sup>(Core)</sup>  
 1035
- 1036 **V.A.3.b).(3)** **meet prior to the fellows' semi-annual evaluations and**  
 1037 **advise the program director regarding each fellow's**  
 1038 **progress.** <sup>(Core)</sup>  
 1039
- 1040 **V.B. Faculty Evaluation**  
 1041
- 1042 **V.B.1.** **The program must have a process to evaluate each faculty**  
 1043 **member's performance as it relates to the educational program at**  
 1044 **least annually.** <sup>(Core)</sup>  
 1045

**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 fellowship 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 fellow 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 fellows desire feedback on their education, clinical care, and research. If a faculty member does not interact with fellows, feedback is not required. With regard to the diverse operating environments and configurations, the fellowship 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 fellows 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.**

1046

- 1047 **V.B.1.a)** This evaluation must include a review of the faculty member’s  
 1048 clinical teaching abilities, engagement with the educational  
 1049 program, participation in faculty development related to their  
 1050 skills as an educator, clinical performance, professionalism,  
 1051 and scholarly activities. <sup>(Core)</sup>  
 1052
- 1053 **V.B.1.b)** This evaluation must include written, confidential evaluations  
 1054 by the fellows. <sup>(Core)</sup>  
 1055
- 1056 **V.B.2.** Faculty members must receive feedback on their evaluations at least  
 1057 annually. <sup>(Core)</sup>  
 1058
- 1059 **V.B.3.** Results of the faculty educational evaluations should be  
 1060 incorporated into program-wide faculty development plans. <sup>(Core)</sup>  
 1061

**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 fellows’ 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.

- 1062
- 1063 **V.C. Program Evaluation and Improvement**  
 1064
- 1065 **V.C.1.** The program director must appoint the Program Evaluation  
 1066 Committee to conduct and document the Annual Program  
 1067 Evaluation as part of the program’s continuous improvement  
 1068 process. <sup>(Core)</sup>  
 1069
- 1070 **V.C.1.a)** The Program Evaluation Committee must be composed of at  
 1071 least two program faculty members, at least one of whom is a  
 1072 core faculty member, and at least one fellow. <sup>(Core)</sup>  
 1073
- 1074 **V.C.1.b)** Program Evaluation Committee responsibilities must include:  
 1075
- 1076 **V.C.1.b).(1)** acting as an advisor to the program director, through  
 1077 program oversight; <sup>(Core)</sup>  
 1078
- 1079 **V.C.1.b).(2)** review of the program’s self-determined goals and  
 1080 progress toward meeting them; <sup>(Core)</sup>  
 1081
- 1082 **V.C.1.b).(3)** guiding ongoing program improvement, including  
 1083 development of new goals, based upon outcomes;  
 1084 and, <sup>(Core)</sup>  
 1085
- 1086 **V.C.1.b).(4)** review of the current operating environment to identify  
 1087 strengths, challenges, opportunities, and threats as  
 1088 related to the program’s mission and aims. <sup>(Core)</sup>  
 1089

**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 fellows 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.**

- 1090  
1091 **V.C.1.c)** **The Program Evaluation Committee should consider the**  
1092 **following elements in its assessment of the program:**  
1093  
1094 **V.C.1.c).(1)** **curriculum;** <sup>(Core)</sup>  
1095  
1096 **V.C.1.c).(2)** **outcomes from prior Annual Program Evaluation(s);**  
1097 <sup>(Core)</sup>  
1098  
1099 **V.C.1.c).(3)** **ACGME letters of notification, including citations,**  
1100 **Areas for Improvement, and comments;** <sup>(Core)</sup>  
1101  
1102 **V.C.1.c).(4)** **quality and safety of patient care;** <sup>(Core)</sup>  
1103  
1104 **V.C.1.c).(5)** **aggregate fellow and faculty:**  
1105  
1106 **V.C.1.c).(5).(a)** **well-being;** <sup>(Core)</sup>  
1107  
1108 **V.C.1.c).(5).(b)** **recruitment and retention;** <sup>(Core)</sup>  
1109  
1110 **V.C.1.c).(5).(c)** **workforce diversity;** <sup>(Core)</sup>  
1111  
1112 **V.C.1.c).(5).(d)** **engagement in quality improvement and patient**  
1113 **safety;** <sup>(Core)</sup>  
1114  
1115 **V.C.1.c).(5).(e)** **scholarly activity;** <sup>(Core)</sup>  
1116  
1117 **V.C.1.c).(5).(f)** **ACGME Resident/Fellow and Faculty Surveys**  
1118 **(where applicable); and,** <sup>(Core)</sup>  
1119  
1120 **V.C.1.c).(5).(g)** **written evaluations of the program.** <sup>(Core)</sup>  
1121  
1122 **V.C.1.c).(6)** **aggregate fellow:**  
1123  
1124 **V.C.1.c).(6).(a)** **achievement of the Milestones;** <sup>(Core)</sup>  
1125  
1126 **V.C.1.c).(6).(b)** **in-training examinations (where applicable);**  
1127 <sup>(Core)</sup>  
1128  
1129 **V.C.1.c).(6).(c)** **board pass and certification rates; and,** <sup>(Core)</sup>  
1130  
1131 **V.C.1.c).(6).(d)** **graduate performance.** <sup>(Core)</sup>  
1132  
1133 **V.C.1.c).(7)** **aggregate faculty:**  
1134  
1135 **V.C.1.c).(7).(a)** **evaluation; and,** <sup>(Core)</sup>  
1136

- 1137 V.C.1.c).(7).(b) professional development <sup>(Core)</sup>
- 1138
- 1139 V.C.1.d) The Program Evaluation Committee must evaluate the
- 1140 program's mission and aims, strengths, areas for
- 1141 improvement, and threats. <sup>(Core)</sup>
- 1142
- 1143 V.C.1.e) The annual review, including the action plan, must:
- 1144
- 1145 V.C.1.e).(1) be distributed to and discussed with the members of
- 1146 the teaching faculty and the fellows; and, <sup>(Core)</sup>
- 1147
- 1148 V.C.1.e).(2) be submitted to the DIO. <sup>(Core)</sup>
- 1149
- 1150 V.C.2. The program must participate in a Self-Study prior to its 10-Year
- 1151 Accreditation Site Visit. <sup>(Core)</sup>
- 1152
- 1153 V.C.2.a) A summary of the Self-Study must be submitted to the DIO.
- 1154 <sup>(Core)</sup>
- 1155

**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 fellowship 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.**

- 1156
- 1157 VI. The Learning and Working Environment
- 1158
- 1159 *Fellowship education must occur in the context of a learning and working*
- 1160 *environment that emphasizes the following principles:*
- 1161
- 1162 • *Excellence in the safety and quality of care rendered to patients by fellows*
  - 1163 *today*
  - 1164
  - 1165 • *Excellence in the safety and quality of care rendered to patients by today's*
  - 1166 *fellows in their future practice*
  - 1167
  - 1168 • *Excellence in professionalism through faculty modeling of:*
  - 1169
  - 1170 ○ *the effacement of self-interest in a humanistic environment that supports*
  - 1171 *the professional development of physicians*
  - 1172
  - 1173 ○ *the joy of curiosity, problem-solving, intellectual rigor, and discovery*
  - 1174

1175  
1176  
1177

- **Commitment to the well-being of the students, residents, fellows, 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 fellows 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 fellows 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, fellow education, and fellow well-being. The requirements are intended to support the development of a sense of professionalism by encouraging fellows 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 fellows 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 fellow and faculty member well-being. The requirements are intended to support programs and fellows 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 fellows. With this flexibility comes a responsibility for fellows and faculty members to recognize the need to hand off care of a patient to another provider when a fellow is too fatigued to provide safe, high quality care and for programs to ensure that fellows 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 fellows 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 fellows 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.*

*Fellows 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 fellows will apply these skills to critique their future unsupervised practice and effect quality improvement measures.*

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

1202		
1203	<b>VI.A.1.a)</b>	<b>Patient Safety</b>
1204		
1205	<b>VI.A.1.a).(1)</b>	<b>Culture of Safety</b>
1206		
1207		<i>A culture of safety requires continuous identification</i>
1208		<i>of vulnerabilities and a willingness to transparently</i>
1209		<i>deal with them. An effective organization has formal</i>
1210		<i>mechanisms to assess the knowledge, skills, and</i>
1211		<i>attitudes of its personnel toward safety in order to</i>
1212		<i>identify areas for improvement.</i>
1213		
1214	<b>VI.A.1.a).(1).(a)</b>	<b>The program, its faculty, residents, and fellows</b>
1215		<b>must actively participate in patient safety</b>
1216		<b>systems and contribute to a culture of safety.</b>
1217		<small>(Core)</small>
1218		
1219	<b>VI.A.1.a).(1).(b)</b>	<b>The program must have a structure that</b>
1220		<b>promotes safe, interprofessional, team-based</b>
1221		<b>care.</b> <small>(Core)</small>
1222		
1223	<b>VI.A.1.a).(2)</b>	<b>Education on Patient Safety</b>
1224		
1225		<b>Programs must provide formal educational activities</b>
1226		<b>that promote patient safety-related goals, tools, and</b>
1227		<b>techniques.</b> <small>(Core)</small>
1228		
<b>Background and Intent: Optimal patient safety occurs in the setting of a coordinated interprofessional learning and working environment.</b>		
1229		
1230	<b>VI.A.1.a).(3)</b>	<b>Patient Safety Events</b>
1231		
1232		<i>Reporting, investigation, and follow-up of adverse</i>
1233		<i>events, near misses, and unsafe conditions are pivotal</i>
1234		<i>mechanisms for improving patient safety, and are</i>
1235		<i>essential for the success of any patient safety</i>
1236		<i>program. Feedback and experiential learning are</i>
1237		<i>essential to developing true competence in the ability</i>
1238		<i>to identify causes and institute sustainable systems-</i>
1239		<i>based changes to ameliorate patient safety</i>
1240		<i>vulnerabilities.</i>
1241		
1242	<b>VI.A.1.a).(3).(a)</b>	<b>Residents, fellows, faculty members, and other</b>
1243		<b>clinical staff members must:</b>
1244		
1245	<b>VI.A.1.a).(3).(a).(i)</b>	<b>know their responsibilities in reporting</b>
1246		<b>patient safety events at the clinical site;</b>
1247		<small>(Core)</small>
1248		

1249	VI.A.1.a).(3).(a).(ii)	know how to report patient safety events, including near misses, at the clinical site; and, <sup>(Core)</sup>
1250		
1251		
1252		
1253	VI.A.1.a).(3).(a).(iii)	be provided with summary information of their institution's patient safety reports. <sup>(Core)</sup>
1254		
1255		
1256		
1257	VI.A.1.a).(3).(b)	Fellows must participate as team members in real and/or simulated interprofessional clinical patient safety activities, such as root cause analyses or other activities that include analysis, as well as formulation and implementation of actions. <sup>(Core)</sup>
1258		
1259		
1260		
1261		
1262		
1263		
1264	VI.A.1.a).(4)	Fellow Education and Experience in Disclosure of Adverse Events
1265		
1266		
1267		<i>Patient-centered care requires patients, and when appropriate families, to be apprised of clinical situations that affect them, including adverse events. This is an important skill for faculty physicians to model, and for fellows to develop and apply.</i>
1268		
1269		
1270		
1271		
1272		
1273	VI.A.1.a).(4).(a)	All fellows must receive training in how to disclose adverse events to patients and families. <sup>(Core)</sup>
1274		
1275		
1276		
1277	VI.A.1.a).(4).(b)	Fellows should have the opportunity to participate in the disclosure of patient safety events, real or simulated. <sup>(Detail)†</sup>
1278		
1279		
1280		
1281	VI.A.1.b)	Quality Improvement
1282		
1283	VI.A.1.b).(1)	Education in Quality Improvement
1284		
1285		<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>
1286		
1287		
1288		
1289		
1290	VI.A.1.b).(1).(a)	Fellows must receive training and experience in quality improvement processes, including an understanding of health care disparities. <sup>(Core)</sup>
1291		
1292		
1293		
1294	VI.A.1.b).(2)	Quality Metrics
1295		
1296		<i>Access to data is essential to prioritizing activities for care improvement and evaluating success of improvement efforts.</i>
1297		
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1300	VI.A.1.b).(2).(a)	Fellows and faculty members must receive data on quality metrics and benchmarks related to their patient populations. <sup>(Core)</sup>
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1304	VI.A.1.b).(3)	Engagement in Quality Improvement Activities
1305		
1306		<i>Experiential learning is essential to developing the ability to identify and institute sustainable systems-based changes to improve patient care.</i>
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1310	VI.A.1.b).(3).(a)	Fellows must have the opportunity to participate in interprofessional quality improvement activities. <sup>(Core)</sup>
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1314	VI.A.1.b).(3).(a).(i)	This should include activities aimed at reducing health care disparities. <sup>(Detail)</sup>
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1317	VI.A.2.	Supervision and Accountability
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1319	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, and monitor a structured chain of responsibility and accountability as it relates to the supervision of all patient care.</i>
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1328		<i>Supervision in the setting of graduate medical education provides safe and effective care to patients; ensures each fellow's development of the skills, knowledge, and attitudes required to enter the unsupervised practice of medicine; and establishes a foundation for continued professional growth.</i>
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1334	VI.A.2.a).(1)	Each patient must have an identifiable and appropriately-credentialed and privileged attending physician (or licensed independent practitioner as specified by the applicable Review Committee) who is responsible and accountable for the patient's care. <sup>(Core)</sup>
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1341	VI.A.2.a).(1).(a)	This information must be available to fellows, faculty members, other members of the health care team, and patients. <sup>(Core)</sup>
1342		
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1345	VI.A.2.a).(1).(b)	Fellows and faculty members must inform each patient of their respective roles in that patient's care when providing direct patient care. <sup>(Core)</sup>
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1349	VI.A.2.b)	<i>Supervision may be exercised through a variety of methods. For many aspects of patient care, the supervising physician</i>
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1351 *may be a more advanced fellow. Other portions of care*  
1352 *provided by the fellow can be adequately supervised by the*  
1353 *appropriate availability of the supervising faculty member or*  
1354 *fellow, either on site or by means of telecommunication*  
1355 *technology. Some activities require the physical presence of*  
1356 *the supervising faculty member. In some circumstances,*  
1357 *supervision may include post-hoc review of fellow-delivered*  
1358 *care with feedback.*  
1359

**Background and Intent: Appropriate supervision is essential for patient safety and high-quality teaching. Supervision is also contextual. There is tremendous diversity of fellow patient interactions, education and training locations, and fellow skills and abilities even at the same level of the educational program. The degree of supervision is expected to evolve progressively as a fellow gains more experience, even with the same patient condition or procedure. All fellows 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.**

1360  
1361 **VI.A.2.b).(1)** The program must demonstrate that the appropriate  
1362 level of supervision in place for all fellows is based on  
1363 each fellow’s level of training and ability, as well as  
1364 patient complexity and acuity. Supervision may be  
1365 exercised through a variety of methods, as appropriate  
1366 to the situation. <sup>(Core)</sup>  
1367  
1368 **VI.A.2.b).(2)** The program must define when physical presence of a  
1369 supervising physician is required. <sup>(Core)</sup>  
1370  
1371 **VI.A.2.c)** **Levels of Supervision**  
1372  
1373 **To promote appropriate fellow supervision while providing**  
1374 **for graded authority and responsibility, the program must use**  
1375 **the following classification of supervision:** <sup>(Core)</sup>  
1376  
1377 **VI.A.2.c).(1)** **Direct Supervision:**  
1378  
1379 **VI.A.2.c).(1).(a)** the supervising physician is physically present  
1380 with the fellow during the key portions of the  
1381 patient interaction; or, <sup>(Core)</sup>  
1382  
1383 **VI.A.2.c).(1).(b)** the supervising physician and/or patient is not  
1384 physically present with the fellow and the  
1385 supervising physician is concurrently  
1386 monitoring the patient care through appropriate  
1387 telecommunication technology. <sup>(Core)</sup>  
1388  
1389 **VI.A.2.c).(1).(b).(i)** The program must have clear guidelines  
1390 that delineate which competencies must be  
1391 met to determine when a fellow can  
1392 progress to indirect supervision. <sup>(Core)</sup>

1393		
1394	VI.A.2.c).(1).(b).(ii)	The program director must ensure that clear expectations exist and are communicated to the fellows, and that these expectations outline specific situations in which a fellow would still require direct supervision. <sup>(Core)</sup>
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1400	VI.A.2.c).(2)	<b>Indirect Supervision: the supervising physician is not providing physical or concurrent visual or audio supervision but is immediately available to the fellow for guidance and is available to provide appropriate direct supervision.</b> <sup>(Core)</sup>
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1406	VI.A.2.c).(3)	<b>Oversight – the supervising physician is available to provide review of procedures/encounters with feedback provided after care is delivered.</b> <sup>(Core)</sup>
1407		
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1410	VI.A.2.d)	<b>The privilege of progressive authority and responsibility, conditional independence, and a supervisory role in patient care delegated to each fellow must be assigned by the program director and faculty members.</b> <sup>(Core)</sup>
1411		
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1415	VI.A.2.d).(1)	<b>The program director must evaluate each fellow’s abilities based on specific criteria, guided by the Milestones.</b> <sup>(Core)</sup>
1416		
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1419	VI.A.2.d).(2)	<b>Faculty members functioning as supervising physicians must delegate portions of care to fellows based on the needs of the patient and the skills of each fellow.</b> <sup>(Core)</sup>
1420		
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1423		
1424	VI.A.2.d).(3)	<b>Fellows should serve in a supervisory role to junior fellows and residents in recognition of their progress toward independence, based on the needs of each patient and the skills of the individual resident or fellow.</b> <sup>(Detail)</sup>
1425		
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1430	VI.A.2.e)	<b>Programs must set guidelines for circumstances and events in which fellows must communicate with the supervising faculty member(s).</b> <sup>(Core)</sup>
1431		
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1434	VI.A.2.e).(1)	<b>Each fellow must know the limits of their scope of authority, and the circumstances under which the fellow is permitted to act with conditional independence.</b> <sup>(Outcome)</sup>
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<p><b>Background and Intent: The ACGME Glossary of Terms defines conditional independence as: Graded, progressive responsibility for patient care with defined oversight.</b></p>
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1440 VI.A.2.f) Faculty supervision assignments must be of sufficient  
1441 duration to assess the knowledge and skills of each fellow  
1442 and to delegate to the fellow the appropriate level of patient  
1443 care authority and responsibility. <sup>(Core)</sup>  
1444

1445 VI.B. Professionalism  
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1447 VI.B.1. Programs, in partnership with their Sponsoring Institutions, must  
1448 educate fellows and faculty members concerning the professional  
1449 responsibilities of physicians, including their obligation to be  
1450 appropriately rested and fit to provide the care required by their  
1451 patients. <sup>(Core)</sup>  
1452

1453 VI.B.2. The learning objectives of the program must:  
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1455 VI.B.2.a) be accomplished through an appropriate blend of supervised  
1456 patient care responsibilities, clinical teaching, and didactic  
1457 educational events; <sup>(Core)</sup>  
1458

1459 VI.B.2.b) be accomplished without excessive reliance on fellows to  
1460 fulfill non-physician obligations; and, <sup>(Core)</sup>  
1461

**Background and Intent: Routine reliance on fellows to fulfill non-physician obligations increases work compression for fellows 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 fellows may be expected to do any of these things on occasion when the need arises, these activities should not be performed by fellows routinely and must be kept to a minimum to optimize fellow education.**

1462 VI.B.2.c) ensure manageable patient care responsibilities. <sup>(Core)</sup>  
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1464

**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.**

1465 VI.B.3. The program director, in partnership with the Sponsoring Institution,  
1466 must provide a culture of professionalism that supports patient  
1467 safety and personal responsibility. <sup>(Core)</sup>  
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1470 VI.B.4. Fellows and faculty members must demonstrate an understanding  
1471 of their personal role in the:  
1472

- 1473 VI.B.4.a) provision of patient- and family-centered care; (Outcome)  
 1474  
 1475 VI.B.4.b) safety and welfare of patients entrusted to their care,  
 1476 including the ability to report unsafe conditions and adverse  
 1477 events; (Outcome)  
 1478

**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 fellow.**

- 1479  
 1480 VI.B.4.c) assurance of their fitness for work, including: (Outcome)  
 1481

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

- 1482  
 1483 VI.B.4.c).(1) management of their time before, during, and after  
 1484 clinical assignments; and, (Outcome)  
 1485  
 1486 VI.B.4.c).(2) recognition of impairment, including from illness,  
 1487 fatigue, and substance use, in themselves, their peers,  
 1488 and other members of the health care team. (Outcome)  
 1489  
 1490 VI.B.4.d) commitment to lifelong learning; (Outcome)  
 1491  
 1492 VI.B.4.e) monitoring of their patient care performance improvement  
 1493 indicators; and, (Outcome)  
 1494  
 1495 VI.B.4.f) accurate reporting of clinical and educational work hours,  
 1496 patient outcomes, and clinical experience data. (Outcome)  
 1497  
 1498 VI.B.5. All fellows and faculty members must demonstrate responsiveness  
 1499 to patient needs that supersedes self-interest. This includes the  
 1500 recognition that under certain circumstances, the best interests of  
 1501 the patient may be served by transitioning that patient's care to  
 1502 another qualified and rested provider. (Outcome)  
 1503  
 1504 VI.B.6. Programs, in partnership with their Sponsoring Institutions, must  
 1505 provide a professional, equitable, respectful, and civil environment  
 1506 that is free from discrimination, sexual and other forms of  
 1507 harassment, mistreatment, abuse, or coercion of students, fellows,  
 1508 faculty, and staff. (Core)  
 1509  
 1510 VI.B.7. Programs, in partnership with their Sponsoring Institutions, should  
 1511 have a process for education of fellows and faculty regarding  
 1512 unprofessional behavior and a confidential process for reporting,  
 1513 investigating, and addressing such concerns. (Core)

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**VI.C. Well-Being**

*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 fellowship training.*

*Fellows 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 clinical learning environment models constructive behaviors, and prepares fellows 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](http://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 fellow 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; <sup>(Core)</sup>**

- 1548 VI.C.1.b) attention to scheduling, work intensity, and work  
1549 compression that impacts fellow well-being; <sup>(Core)</sup>  
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1551 VI.C.1.c) evaluating workplace safety data and addressing the safety of  
1552 fellows and faculty members; <sup>(Core)</sup>  
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**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 fellow 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.

- 1554 VI.C.1.d) policies and programs that encourage optimal fellow and  
1555 faculty member well-being; and, <sup>(Core)</sup>  
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1557

**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.

- 1558 VI.C.1.d).(1) Fellows must be given the opportunity to attend  
1559 medical, mental health, and dental care appointments,  
1560 including those scheduled during their working hours.  
1561 <sup>(Core)</sup>  
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**Background and Intent:** The intent of this requirement is to ensure that fellows have the opportunity to access medical and dental care, including mental health care, at times that are appropriate to their individual circumstances. Fellows must be provided with time away from the program as needed to access care, including appointments scheduled during their working hours.

- 1564 VI.C.1.e) attention to fellow and faculty member burnout, depression,  
1565 and substance use disorder. The program, in partnership with  
1566 its Sponsoring Institution, must educate faculty members and  
1567 fellows in identification of the symptoms of burnout,  
1568 depression, and substance use disorder, including means to  
1569 assist those who experience these conditions. Fellows and  
1570 faculty members must also be educated to recognize those  
1571 symptoms in themselves and how to seek appropriate care.  
1572 The program, in partnership with its Sponsoring Institution,  
1573 must: <sup>(Core)</sup>  
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**Background and Intent:** Programs and Sponsoring Institutions are encouraged to review materials in order to create systems for identification of burnout, depression, and substance use disorder. Materials and more information are available in Learn at ACGME (<https://dl.acgme.org/pages/well-being-tools-resources>).

- 1576 VI.C.1.e).(1) encourage fellows and faculty members to alert the  
1577 program director or other designated personnel or  
1578 programs when they are concerned that another  
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1580 fellow, resident, or faculty member may be displaying  
1581 signs of burnout, depression, a substance use  
1582 disorder, suicidal ideation, or potential for violence;  
1583 (Core)  
1584

**Background and Intent:** Individuals experiencing burnout, depression, 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 fellows and faculty members are able to report their concerns when another fellow 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. Fellows 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.

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1586 **VI.C.1.e).(2)** provide access to appropriate tools for self-screening;  
1587 and, (Core)  
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1589 **VI.C.1.e).(3)** provide access to confidential, affordable mental  
1590 health assessment, counseling, and treatment,  
1591 including access to urgent and emergent care 24  
1592 hours a day, seven days a week. (Core)  
1593

**Background and Intent:** The intent of this requirement is to ensure that fellows 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.**

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1595 **VI.C.2.** There are circumstances in which fellows may be unable to attend  
1596 work, including but not limited to fatigue, illness, family  
1597 emergencies, and parental leave. Each program must allow an  
1598 appropriate length of absence for fellows unable to perform their  
1599 patient care responsibilities. (Core)  
1600

1601 **VI.C.2.a)** The program must have policies and procedures in place to  
1602 ensure coverage of patient care. (Core)  
1603

1604 VI.C.2.b) These policies must be implemented without fear of negative  
1605 consequences for the fellow who is or was unable to provide  
1606 the clinical work. <sup>(Core)</sup>  
1607

**Background and Intent: Fellows 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.**

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1609 VI.D. Fatigue Mitigation

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1611 VI.D.1. Programs must:

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1613 VI.D.1.a) educate all faculty members and fellows to recognize the  
1614 signs of fatigue and sleep deprivation; <sup>(Core)</sup>  
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1616 VI.D.1.b) educate all faculty members and fellows in alertness  
1617 management and fatigue mitigation processes; and, <sup>(Core)</sup>  
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1619 VI.D.1.c) encourage fellows to use fatigue mitigation processes to  
1620 manage the potential negative effects of fatigue on patient  
1621 care and learning. <sup>(Detail)</sup>  
1622

**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 fellows 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.**

1623  
1624 VI.D.2. Each program must ensure continuity of patient care, consistent  
1625 with the program's policies and procedures referenced in VI.C.2–  
1626 VI.C.2.b), in the event that a fellow may be unable to perform their  
1627 patient care responsibilities due to excessive fatigue. <sup>(Core)</sup>  
1628

1629 VI.D.3. The program, in partnership with its Sponsoring Institution, must  
1630 ensure adequate sleep facilities and safe transportation options for  
1631 fellows who may be too fatigued to safely return home. <sup>(Core)</sup>  
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1633 VI.E. Clinical Responsibilities, Teamwork, and Transitions of Care

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1635 VI.E.1. Clinical Responsibilities

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The clinical responsibilities for each fellow must be based on PGY level, patient safety, fellow ability, severity and complexity of patient illness/condition, and available support services. <sup>(Core)</sup>

**Background and Intent:** The changing clinical care environment of medicine has meant that work compression due to high complexity has increased stress on fellows. Faculty members and program directors need to make sure fellows function in an environment that has safe patient care and a sense of fellow 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 fellow workload. Workload should be distributed among the fellow team and interdisciplinary teams to minimize work compression.

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- VI.E.2. Teamwork**
- Fellows 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 subspecialty and larger health system. <sup>(Core)</sup>
- VI.E.3. Transitions of Care**
- VI.E.3.a)** Programs must design clinical assignments to optimize transitions in patient care, including their safety, frequency, and structure. <sup>(Core)</sup>
- 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. <sup>(Core)</sup>
- VI.E.3.c)** Programs must ensure that fellows are competent in communicating with team members in the hand-over process. <sup>(Outcome)</sup>
- VI.E.3.d)** Programs and clinical sites must maintain and communicate schedules of attending physicians and fellows currently responsible for care. <sup>(Core)</sup>
- 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 fellow may be unable to perform their patient care responsibilities due to excessive fatigue or illness, or family emergency. <sup>(Core)</sup>
- VI.F. Clinical Experience and Education**
- Programs, in partnership with their Sponsoring Institutions, must design an effective program structure that is configured to provide fellows with*

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*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 fellows’ 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. <sup>(Core)</sup>

**Background and Intent:** Programs and fellows 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 fellows 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 fellow may work in excess of 80 hours in a given week, all programs and fellows 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 fellows to work 80 hours per week and still permit fellows 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 fellows are scheduled to work fewer than 80 hours per week, which would allow fellows 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 fellows 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 fellows 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 fellows choose to do from home. The requirement provides flexibility for fellows to do this while ensuring that the time spent by fellows 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. Fellow 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 fellow's supervisor. In such circumstances, fellows 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 fellow spends three minutes on a phone call and then a few hours later spends two minutes on another call, will the fellow 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 fellows. The new requirements are not an attempt to micromanage this process. Fellows 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 fellow. Programs will need to factor in time fellows are spending on clinical work at home when schedules are developed to ensure that fellows 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 fellows report their time from home and that schedules are structured to ensure that fellows are not working in excess of 80 hours per week, averaged over four weeks.

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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 fellows with educational opportunities, as well as reasonable opportunities for rest and personal well-being. <sup>(Core)</sup>**
- VI.F.2.b) Fellows should have eight hours off between scheduled clinical work and education periods. <sup>(Detail)</sup>**
- VI.F.2.b).(1) There may be circumstances when fellows choose to stay to care for their patients or return to the hospital with fewer than eight hours free of clinical experience and education. This must occur within the context of the 80-hour and the one-day-off-in-seven requirements. <sup>(Detail)</sup>**

**Background and Intent: While it is expected that fellow schedules will be structured to ensure that fellows are provided with a minimum of eight hours off between scheduled work periods, it is recognized that fellows 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 fellows 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.

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**VI.F.2.c) Fellows must have at least 14 hours free of clinical work and education after 24 hours of in-house call. (Core)**

**Background and Intent: Fellows 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, fellows are encouraged to prioritize sleep over other discretionary activities.**

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**VI.F.2.d) Fellows must be scheduled for a minimum of one day in seven free of clinical work and required education (when averaged over four weeks). At-home call cannot be assigned on these free days. (Core)**

**Background and Intent: The requirement provides flexibility for programs to distribute days off in a manner that meets program and fellow needs. It is strongly recommended that fellows' 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 fellows 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 fellows 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 fellow 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."**

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

**VI.F.3.a) Clinical and educational work periods for fellows must not exceed 24 hours of continuous scheduled clinical assignments. (Core)**

**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 fellow education. (Core)**

**VI.F.3.a).(1).(a) Additional patient care responsibilities must not be assigned to a fellow 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 fellow continue to function as a**

member of the team in an environment where other members of the team can assess fellow fatigue, and that supervision for post-call fellows 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.

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- VI.F.4. Clinical and Educational Work Hour Exceptions**
- VI.F.4.a)** In rare circumstances, after handing off all other responsibilities, a fellow, on their own initiative, may elect to remain or return to the clinical site in the following circumstances:
- VI.F.4.a).(1)** to continue to provide care to a single severely ill or unstable patient; <sup>(Detail)</sup>
- VI.F.4.a).(2)** humanistic attention to the needs of a patient or family; or, <sup>(Detail)</sup>
- VI.F.4.a).(3)** to attend unique educational events. <sup>(Detail)</sup>
- VI.F.4.b)** These additional hours of care or education will be counted toward the 80-hour weekly limit. <sup>(Detail)</sup>

**Background and Intent:** This requirement is intended to provide fellows 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 fellow may remain to attend a conference, or return for a conference later in the day, only if the decision is made voluntarily. Fellows must not be required to stay. Programs allowing fellows to remain or return beyond the scheduled work and clinical education period must ensure that the decision to remain is initiated by the fellow and that fellows are not coerced. This additional time must be counted toward the 80-hour maximum weekly limit.

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- VI.F.4.c)** A Review Committee may grant rotation-specific exceptions for up to 10 percent or a maximum of 88 clinical and educational work hours to individual programs based on a sound educational rationale.
- The Review Committee for Radiology will not consider requests for exceptions to the 80-hour limit to the fellows' work week.
- VI.F.5. Moonlighting**
- VI.F.5.a)** Moonlighting must not interfere with the ability of the fellow to achieve the goals and objectives of the educational program, and must not interfere with the fellow's fitness for work nor compromise patient safety. <sup>(Core)</sup>

1768 VI.F.5.b) Time spent by fellows in internal and external moonlighting  
1769 (as defined in the ACGME Glossary of Terms) must be  
1770 counted toward the 80-hour maximum weekly limit. <sup>(Core)</sup>  
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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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1773 VI.F.6. In-House Night Float  
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1775 Night float must occur within the context of the 80-hour and one-  
1776 day-off-in-seven requirements. <sup>(Core)</sup>  
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**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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1779 VI.F.7. Maximum In-House On-Call Frequency  
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1781 Fellows must be scheduled for in-house call no more frequently than  
1782 every third night (when averaged over a four-week period). <sup>(Core)</sup>  
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1784 VI.F.8. At-Home Call  
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1786 VI.F.8.a) Time spent on patient care activities by fellows on at-home  
1787 call must count toward the 80-hour maximum weekly limit.  
1788 The frequency of at-home call is not subject to the every-  
1789 third-night limitation, but must satisfy the requirement for one  
1790 day in seven free of clinical work and education, when  
1791 averaged over four weeks. <sup>(Core)</sup>  
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1793 VI.F.8.a).(1) At-home call must not be so frequent or taxing as to  
1794 preclude rest or reasonable personal time for each  
1795 fellow. <sup>(Core)</sup>  
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1797 VI.F.8.b) Fellows are permitted to return to the hospital while on at-  
1798 home call to provide direct care for new or established  
1799 patients. These hours of inpatient patient care must be  
1800 included in the 80-hour maximum weekly limit. <sup>(Detail)</sup>  
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**Background and Intent:** This requirement has been modified to specify that clinical work done from home when a fellow is taking at-home call must count toward the 80-hour maximum weekly limit. This change acknowledges the often significant amount of time fellows devote to clinical activities when taking at-home call, and ensures that taking at-home call does not result in fellows 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 fellowship programs, Review Committees will look at the overall impact of at-home call on fellow rest and personal time.

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

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

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

### **Osteopathic Recognition**

For programs with or applying for Osteopathic Recognition, the Osteopathic Recognition Requirements also apply ([www.acgme.org/OsteopathicRecognition](http://www.acgme.org/OsteopathicRecognition)).