ACGME Program Requirements for Graduate Medical Education in Musculoskeletal Radiology

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Common Program Requirements (Fellowship) are in BOLD

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

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.

Introduction

Int.A.

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

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

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

Int.B. Definition of Subspecialty

Int.B.1. Diagnostic radiology subspecialty fellowship programs are designed to develop advanced knowledge and skills in a specific clinical area. The program design and/or structure must be approved by the Residency Review Committee as part of the regular review process.

Int.B.21. The Musculoskeletal radiology is a subspecialty that fellowship program constitutes an elosely supervised experience in the application and interpretation of all imaging examinations and procedures as they relate to the analysis of disorders of the musculoskeletal system, including bones, joints, and soft tissues. The imaging methods and procedures include routine radiography, computed tomography, ultrasonography, radionuclide scintigraphy/positron emission tomography (PET), magnetic resonance, arthrography, bone mineral density studies, and diagnostic

techniques.

Int.B.3

Fellowships in musculoskeletal radiology provide an organized, comprehensive, supervised, and progressively responsible full-time educational experience in the selection, interpretation, and performance of these examinations and procedures. A further objective is to provide fellows an opportunity to develop skills necessary for clinical and/or basic research in the subspecialty of musculoskeletal radiology.

Int.C. Length of Educational Program

The educational program in <u>musculoskeletal radiology</u> <u>diagnostic radiology</u> <u>subspecialties</u> must be at least 12 months in length. (Core)*

and therapeutic injections, as well as image-guided percutaneous biopsy

I. Oversight

I.A. Sponsoring Institution

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

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

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.

90 91 92	I.A.1.	The program must be sponsored by one ACGME-accredited Sponsoring Institution. (Core)
93 94	I.B.	Participating Sites
95 96 97		A participating site is an organization providing educational experiences or educational assignments/rotations for fellows.
98 99 100	I.B.1.	The program, with approval of its Sponsoring Institution, must designate a primary clinical site. (Core)
101 102 103	I.B.1.a)	The Sponsoring Institution must also sponsor an ACGME-accredited program in diagnostic radiology. (Core)
104 105 106	I.B.1.b)	Close cooperation between the fellowship and residency program director is required. (Detail)
107 108 109	I.B.1.c)	There must be an ACGME-accredited program in orthopaedic surgery at the primary clinical site. (Core)
110 111 112 113	I.B.1.d)	There should be ACGME-accredited programs in orthopaedic surgery, pathology and rheumatology at the primary clinical site.
114 115 116 117 118	I.B.1.d).(1)	If these programs are not available at the primary clinical site, there must be an active rheumatology service and a department of pathology that provides bone and soft tissue pathology education at the primary clinical site. (Core)
119 120 121 122 123	I.B.2.	There must be a program letter of agreement (PLA) between the program and each participating site that governs the relationship between the program and the participating site providing a required assignment. (Core)
124 125	I.B.2.a)	The PLA must:
126 127	I.B.2.a).(1)	be renewed at least every 10 years; and, (Core)
128 129 130	I.B.2.a).(2)	be approved by the designated institutional official (DIO). (Core)
131 132 133	I.B.3.	The program must monitor the clinical learning and working environment at all participating sites. (Core)
134 135 136 137 138	I.B.3.a)	At each participating site there must be one faculty member, designated by the program director, who is accountable for fellow education for that site, in collaboration with the program director. (Core)

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

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I.D.

Resources

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

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

I.C. The program, in partnership with its Sponsoring Institution, must engage in practices that focus on mission-driven, ongoing, systematic recruitment and retention of a diverse and inclusive workforce of residents (if present), fellows, faculty members, senior administrative staff members, and other relevant members of its academic community. (Core)

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

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154 I.D.1. The program, in partnership with its Sponsoring Institution, must
155 ensure the availability of adequate resources for fellow education.
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158 I.D.1.a) There must be adequate office space for musculoskeletal

I.D.1.a) There must be adequate office space for musculoskeletal radiology faculty members, program administration, and fellows.

(Core)

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

165 166 167	I.D.1.b).(1)	There must be adequate study space, conference space, and access to computers. (CoreDetail)
168 169 170 171	I.D.1.b).(2)	Adequate space for image display, interpretation, and consultation with clinicians and referring physicians must be available. (Core)
172 173 174	I.D.1.c)	All equipment required for musculoskeletal radiology education must be modern and available. (Core)
175 176 177 178 179 180	I.D.1.d)	Access to routine radiographic, computed tomographic, scintigraphic, magnetic resonance, and ultrasound equipment must be provided. Adequate space for image display, interpretation, and consultation with referring physicians must be available. (Core)
181 182 183 184	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: (Core)
185 186	I.D.2.a)	access to food while on duty; (Core)
187 188 189 190	I.D.2.b)	safe, quiet, clean, and private sleep/rest facilities available and accessible for fellows with proximity appropriate for safe patient care; (Core)

Background and Intent: Care of patients within a hospital or health system occurs continually through the day and night. Such care requires that 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.

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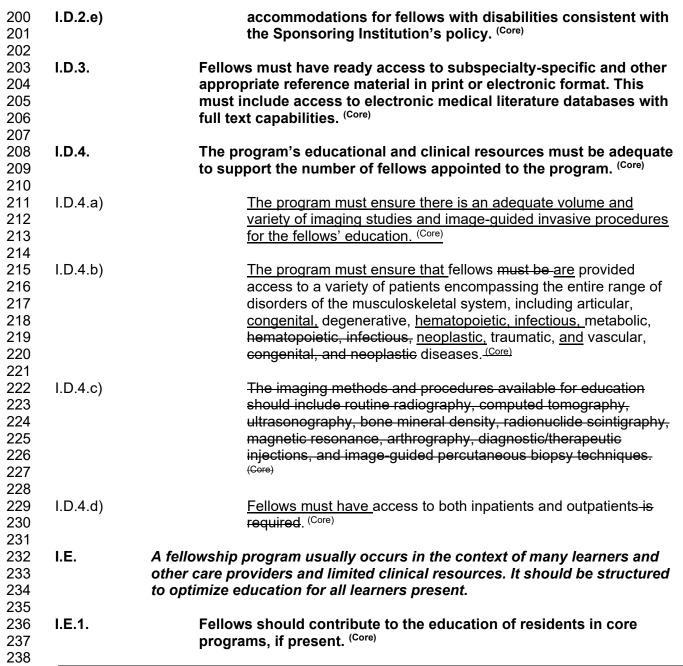
I.D.2.c) clean and private facilities for lactation that have refrigeration capabilities, with proximity appropriate for safe patient care;

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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).

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198 199 I.D.2.d) security and safety measures appropriate to the participating site; and, (Core)



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.

I.E.2. Shared experiences with residents and fellows in orthopaedic surgery, pathology, rheumatology, pathology, and other appropriate specialties, including surgical subspecialties, should occur. (Core)

244 245 246	I.E.2.a)	When appropriate, supervision and teaching by faculty <u>members</u> expert in these additional disciplines should be available. (Detail)
247 248 249 250	I.E.3.	The presence of other learners (including residents from other specialties subspecialty fellows, PhD students, and nurse practitioners) in the program must not interfere with the appointed fellows' education. (Detail)
251 252 253 254	I.E.4.	The fellows must not dilute or detract from the educational opportunities available to residents in the core diagnostic radiology residency program. (Core Detail)
255 256 257	I.E.5.	Lines of responsibilities for the diagnostic radiology residents and the musculoskeletal subspecialty fellows must be clearly defined. (Core)

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.

II. Personnel

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II.A. Program Director

- II.A.1. There must be one faculty member appointed as program director with authority and accountability for the overall program, including compliance with all applicable program requirements. (Core)
- II.A.1.a) The Sponsoring Institution's Graduate Medical Education Committee (GMEC) must approve a change in program director. (Core)
- II.A.1.b) Final approval of the program director resides with the Review Committee. (Core)

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 made responsible for the program. This individual will have dedicated time for the leadership of the fellowship, and it is this individual's responsibility to communicate with the fellows, faculty members, DIO, GMEC, and the ACGME. The program director's nomination is reviewed and approved by the GMEC. Final approval of program directors resides with the Review Committee.

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275	II.A.2.	The program director must be provided with support adequate for
276		administration of the program based upon its size and configuration.
277		(Core)
278		
279	II.A.2.a)	At a minimum, the program director must be provided with the
280		dedicated time and support specified below for administration of
281		the program: (Core)

Number of Approved Fellow	Minimum Support Required
<u>Positions</u>	(FTE)
<u>1-4</u>	<u>0.1</u>
<u>5-7</u>	<u>0.2</u>
8 or more	0.3

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Background and Intent: Ten percent FTE is defined as one half day per week.

"Administrative time" is defined as non-clinical time spent meeting the responsibilities of the program director as detailed in requirements II.A.4.-II.A.4.a).(16).

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

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285	II.A.3.	Qualifications of the program director:
286 287 288 289	II.A.3.a)	must include subspecialty expertise and qualifications acceptable to the Review Committee; (Core)
290 291 292 293 294 295 296	II.A.3.a).(1)	This must include post-residency experience in musculoskeletal radiology the subspecialty area, including fellowship training, education or five years of practice experience focused in musculoskeletal radiology the subspecialty for those subspecialties in which no certification is offered. (Core)
297 298 299	II.A.3.a).(2)	This must include experience as an educator and supervisor of fellows in musculoskeletal radiology. (Core)
300 301 302 303 304	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. (Core)
305 306 307 308 309 310 311	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; (Core) [Note that while the Common Program Requirements deem certification by a certifying board of ABMS or the AOA acceptable,
312 313 314		there is no ABMS or AOA board that offers certification in this subspecialty]
315 316 317	II.A.3.c)	must include devotion of at least 80 percent of professional clinical contributions in musculoskeletal radiology; and, (Core)
318 319	II.A.3.d)	must include devotion of sufficient time to fulfill all responsibilities inherent to meeting the educational goals of the program. (Core)

321 322	II.A.3.e)	must include devotion of at least 80% of his/her professional time in musculoskeletal radiology, and devote sufficient time to fulfill all
323		responsibilities inherent to meeting the educational goals of the
324		program. ^(Detail)
325		
326	II.A.4.	Program Director Responsibilities
327		·
328		The program director must have responsibility, authority, and
329		accountability for: administration and operations; teaching and
330		scholarly activity; fellow recruitment and selection, evaluation, and
331		promotion of fellows, and disciplinary action; supervision of fellows;
332		and fellow education in the context of patient care. (Core)
333		and renow education in the context of patient out of
334	II.A.4.a)	The program director must:
335	III/AI-TIM)	The program an octor mast.
336	II.A.4.a).(1)	be a role model of professionalism; (Core)
337	11.m.+.a).(1)	be a fole illower of professionalism,
33 <i>1</i>		

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

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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.

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

Background and Intent: The program director may establish a leadership team to assist in the accomplishment of program goals. 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.

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.; (Core)
II.A.4.a).(5)	have the authority to approve program faculty
	members for participation in the fellowship program
	education at all sites; (Core)
II.A.4.a).(6)	have the authority to remove program faculty
, , ,	members from participation in the fellowship program
	education at all sites; (Core)
	·
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; (Core)
	, , ,

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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368	II.A.4.a).(8)	submit accurate and complete information required
369	, , ,	and requested by the DIO, GMEC, and ACGME; (Core)
370		• • • • • • • • • • • • • • • • • • • •
371	II.A.4.a).(9)	provide applicants who are offered an interview with
372	, , ,	information related to the applicant's eligibility for the
373		relevant subspecialty board examination(s); (Core)
374		
375	II.A.4.a).(10)	provide a learning and working environment in which
376	, , ,	fellows have the opportunity to raise concerns and
377		provide feedback in a confidential manner as
378		appropriate, without fear of intimidation or retaliation;
379		(Core)
380		
381	II.A.4.a).(11)	ensure the program's compliance with the Sponsoring
382		Institution's policies and procedures related to
383		grievances and due process; (Core)
384		
385	II.A.4.a).(12)	ensure the program's compliance with the Sponsoring
386		Institution's policies and procedures for due process
387		when action is taken to suspend or dismiss, not to
388		promote, or not to renew the appointment of a fellow;
389		(Core)
390		

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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392	II.A.4.a).(13)	ensure the program's compliance with the Sponsoring
393		Institution's policies and procedures on employment
394		and non-discrimination; (Core)
395		,
396	II.A.4.a).(13).(a)	Fellows must not be required to sign a non-
397		competition guarantee or restrictive covenant.
398		(Core)
399		
400	II.A.4.a).(14)	document verification of program completion for all
401		graduating fellows within 30 days; (Core)
402		gradading fonone within ou days,
403	II.A.4.a).(15)	provide verification of an individual fellow's
404	11.7.4.4).(10)	completion upon the fellow's request, within 30 days;
405		and, (Core)
		anu, '
406		

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.

II.A.4.a).(16)

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

II.B. Faculty

Faculty members are a foundational element of graduate medical education – faculty members teach 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.

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

435 professional manner and attending to the well-being of the fellows and 436 themselves. 437 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 or salary support. 438 II.B.1. 439 For each participating site, there must be a sufficient number of 440 faculty members with competence to instruct and supervise all fellows at that location. (Core) 441 442 443 II.B.1.a) To ensure adequate teaching, supervision, and evaluation of the 444 fellows' academic progress, there must be a ratio of at least one 445 full-time faculty member for every two fellows in the program. To ensure adequate supervision of the fellows, there must be at least 446 447 one full-time faculty person available for every two fellows in the 448 program. (Core) 449 450 II.B.1.a).(1) If necessary, other radiologists with expertise in certain imaging methods or procedures may function at least as 451 part-time members of the program. (Detail) 452 453 454 II.B.2. **Faculty members must:** 455 be role models of professionalism; (Core) 456 II.B.2.a) 457 458 II.B.2.b) demonstrate commitment to the delivery of safe, quality, cost-effective, patient-centered care; (Core) 459 460 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. 461 demonstrate a strong interest in the education of fellows; (Core) 462 II.B.2.c) 463 464 II.B.2.d) devote sufficient time to the educational program to fulfill 465 their supervisory and teaching responsibilities; (Core) 466 administer and maintain an educational environment 467 II.B.2.e) conducive to educating fellows; (Core) 468 469 470 regularly participate in organized clinical discussions, II.B.2.f) rounds, journal clubs, and conferences; and, (Core) 471 472 pursue faculty development designed to enhance their skills 473 II.B.2.g) at least annually. (Core) 474

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.

II.B.3.	Faculty Qualifications
II.B.3.a)	Faculty members must have appropriate qualifications in their field and hold appropriate institutional appointments.
II.B.3.b)	Subspecialty physician faculty members must:
II.B.3.b).(1)	have current certification in the specialty by the American Board of Radiology or the American Osteopathic Board of Radiology, or possess qualifications judged acceptable to the Review Committee; and, (Core)
	[Note that while the Common Program Requirements deem certification by a certifying board of the ABMS or the AOA acceptable, there is no ABMS or AOA board that offers certification in this subspecialty]
II.B.3.b).(2)	have post-residency experience in musculoskeletal radiology, including fellowship education. (Core)
II.B.3.c)	Any non-physician faculty members who participate in fellowship program education must be approved by the program director. (Core)

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.

503 504 II.B.3.d) Any other specialty physician faculty members must have 505 current certification in their specialty by the appropriate American Board of Medical Specialties (ABMS) member 506 board or American Osteopathic Association (AOA) certifying 507 508 board, or possess qualifications judged acceptable to the Review Committee. (Core) 509 510 **Core Faculty** 511 II.B.4.

Core faculty members must have a significant role in the education and supervision of fellows and must devote a significant portion of their entire effort to fellow education and/or administration, and must, as a component of their activities, teach, evaluate, and provide formative feedback to fellows. (Core)

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 and in assessing fellows' progress toward achievement of competence in the subspecialty. Core faculty members should be selected for their broad knowledge of and involvement in the program, permitting them to effectively evaluate the program, including completion of the annual ACGME Faculty Survey.

 II.B.4.a)

Core faculty members must be designated by the program director. (Core)

Core faculty members must complete the annual ACGME Faculty Survey. (Core)

The musculoskeletal radiology faculty must have a minimum of two FTE core faculty members, which must includeing the program director and at least one person experienced other full-time radiologist specializing in musculoskeletal radiology—who has a substantial commitment to the fellowship program. (Core)

II.C. Program Coordinator

II.C.1. There must be a program coordinator. (Core)

II.C.2.

The program coordinator must be provided with support adequate for administration of the program based upon its size and configuration. (Core)

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 titled by the institution. This person will frequently manage the day-to-day operations of the program and serve as an important liaison with 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 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. Program coordinators are expected to develop unique knowledge of the ACGME and Program Requirements, policies, and procedures. Program coordinators assist the program director in accreditation efforts, 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.

II.D. Other Program Personnel

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

II.D.1. Secretarial support for the conduct of research projects should be provided for musculoskeletal radiology faculty and fellows. (Detail)

II.D.2.

Assistance with literature searches, editing, statistical tabulation, and photography should be provided. (Detail)

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.

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.

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).

III.A.1.a) 571

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. (Core)

575 III.A.1.b) Prerequisite training experience for entry into the fellowship program should include the satisfactory completion of a diagnostic

577 578 579		radiology <u>or interventional radiology</u> residency program that satisfies the requirements in III.A.1. (Core)
580 581	III.A.1.c)	Fellow Eligibility Exception
582 583 584		The Review Committee for Diagnostic Radiology will allow the following exception to the fellowship eligibility requirements:
585 586 587 588 589 590	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: (Core)
592 593 594 595 596 597 598	III.A.1.c).(1).(a)	evaluation by the program director and fellowship selection committee of the applicant's suitability to enter the program, based on prior training and review of the summative evaluations of training in the core specialty; and, (Core)
599 600 601 602	III.A.1.c).(1).(b)	review and approval of the applicant's exceptional qualifications by the GMEC; and, (Core)
603 604 605 606	III.A.1.c).(1).(c)	verification of Educational Commission for Foreign Medical Graduates (ECFMG) certification. (Core)
607 608 609 610 611	III.A.1.c).(2)	Applicants accepted through this exception must have an evaluation of their performance by the Clinical Competency Committee within 12 weeks of matriculation. (Core)

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.

612 613 III.B. The program director must not appoint more fellows than approved by the Review Committee. (Core) 614 615 616 III.B.1. All complement increases must be approved by the Review Committee. (Core) 617 618 619 III.C. **Fellow Transfers** 620 621 The program must obtain verification of previous educational experiences 622 and a summative competency-based performance evaluation prior to 623 acceptance of a transferring fellow, and Milestones evaluations upon matriculation. (Core) 624 625 IV. 626 **Educational Program** 627 628 The ACGME accreditation system is designed to encourage excellence and 629 innovation in graduate medical education regardless of the organizational 630 affiliation, size, or location of the program. 631 632 The educational program must support the development of knowledgeable, skillful physicians who provide compassionate care. 633 634 635 In addition, the program is expected to define its specific program aims consistent with the overall mission of its Sponsoring Institution, the needs of the community 636 637 it serves and that its graduates will serve, and the distinctive capabilities of physicians it intends to graduate. While programs must demonstrate substantial 638 639 compliance with the Common and subspecialty-specific Program Requirements, it is recognized that within this framework, programs may place different emphasis 640 on research, leadership, public health, etc. It is expected that the program aims 641 642 will reflect the nuanced program-specific goals for it and its graduates; for 643 example, it is expected that a program aiming to prepare physician-scientists will 644 have a different curriculum from one focusing on community health. 645 IV.A. 646 The curriculum must contain the following educational components: (Core) 647 IV.A.1. 648 a set of program aims consistent with the Sponsoring Institution's 649 mission, the needs of the community it serves, and the desired 650 distinctive capabilities of its graduates; (Core) 651 652 IV.A.1.a) The program's aims must be made available to program applicants, fellows, and faculty members. (Core) 653 654 IV.A.2. 655 competency-based goals and objectives for each educational experience designed to promote progress on a trajectory to 656 657 autonomous practice in their subspecialty. These must be 658 distributed, reviewed, and available to fellows and faculty members; (Core) 659

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

664

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.

665 666

IV.A.4. structured educational activities beyond direct patient care; and,

667 668

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.

669 670

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

671 672 673

IV.B. ACGME Competencies

674

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.

675 676

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

677 678 679

IV.B.1.a) Professionalism

680 681 682

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

683 684

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

685

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.

686		
687	IV.B.1.b).(1)	Fellows must be able to provide patient care that is
688		compassionate, appropriate, and effective for the
689		treatment of health problems and the promotion of
690		health. ^(Core)
691		
692	IV.B.1.b).(1).(a)	Fellows must demonstrate competence in providing
693	, , , , ,	consultation with referring physicians or services.
694		(Core)
695		
696	IV.B.1.b).(1).(b)	Fellows must demonstrate competence in following
697	11.2.1.2).(1).(2)	standards of care for practicing in a safe
698		environment, attempt <u>ing</u> to reduce errors, and
699		improvinge patient outcomes. (Core)
700		improvinge patient outcomes.
701	IV.B.1.b).(1).(c)	Fellows must demonstrate an understanding of
701	14.B.1.b).(1).(6)	proper imaging protocols to ensure that excessive
702		or inappropriate examinations are not ordered and
703 704		performed; and, (Core)
704 705		ренотнец, ана,
705 706	IV P 1 b) (1) (d)	Follows must demonstrate competence in
700 707	IV.B.1.b).(1).(d)	Fellows must demonstrate competence in
		interpreting all specified exams and/or invasive
708		studies under close, graded responsibility and
709		supervision. (Core)
710	IV D 4 b) (4) (-)	Callegra about dispersion to the comment of the
711	IV.B.1.b).(1).(e)	Fellows should demonstrate competence in
712		educatinge diagnostic and interventional radiology
713		residents, and if appropriate, <u>residents of other</u>
714		<u>disciplines,</u> medical students, and other
715		professional personnel, in the care and
716		management of patients. (Core)
717		
718	IV.B.1.b).(2)	Fellows must be able to perform all medical,
719		diagnostic, and surgical procedures considered
720		essential for the area of practice. (Core)
721		
722	IV.B.1.b).(2).(a)	Fellows must <u>demonstrate competence in applying</u>
723		low-dose radiation techniques for both adults and
724		children. ^(Core)
725		
726	IV.B.1.b).(2).(b)	Fellows must <u>demonstrate competence in</u>
727		perform <u>ing</u> all specified exams and/or invasive
728		studies under close, graded responsibility and
729		supervision. (Core)
730		

731 732 733 734 735 736 737 738 739 740 741 742 743 744	IV.B.1.b).(2).(c)	As competence increases and is demonstrated, fellows must demonstrate-have graduated responsibility as competence increases for invasive procedures, such responsibility should include including for pre-procedural and post-procedural patient care. (Core)
	IV.B.1.b).(2).(d)	Fellows should <u>demonstrate competence in closely</u> coordinatinge and cooperatinge with referring physicians, including <u>emergency department specialists</u> , orthopaedic surgeons, <u>and</u> rheumatologists, and emergency department specialists . (Core)
745 746	IV.B.1.c)	Medical Knowledge
746 747 748 749 750 751		Fellows must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological and social-behavioral sciences, as well as the application of this knowledge to patient care. (Core)
752 753 754 755 756 757 758	IV.B.1.c).(1)	Fellows must demonstrate a level of expertise in the knowledge of those areas appropriate for a musculoskeletal radiology specialist. Fellows must demonstrate special skills and knowledge in the subspecialty that consists of both cognitive and technical components; (Core)
759 760 761	IV.B.1.c).(2)	Fellows must demonstrate an understanding in-of low-dose radiation techniques for both adults and children. and (Core)
762 763 764 765	IV.B.1.c).(3)	<u>Fellows must</u> demonstrate <u>knowledge of the</u> prevention and treatment of complications of contrast administration. (Core)
766 767 768 769 770 771 772 773	IV.B.1.c).(4)	Fellows must <u>demonstrate knowledge of and</u> actively participate in the formulation of a diagnosis and/or the generation of an imaging protocol. <u>although the precise responsibility of the fellow will vary from one clinical conference to another. This participation should be used by the program director and other faculty members to judge the fellows' progress; (Core)</u>
774 775 776 777 778	IV.B.1.c).(5)	Fellows should demonstrate <u>knowledge and</u> skills in preparing and presenting educational material for medical students, <u>residents, graduate medical</u> -staff <u>members</u> , and allied health personnel. (Core) [Moved from IV.B.1.c).(2)]
779 780 781	IV.B.1.c).(6)	Fellows should demonstrate an understanding of proper imaging protocols to ensure that excessive or inappropriate examinations are not ordered and performed. (Core)

782 783 784	IV.B.1.d)	Practice-based Learning and Improvement
785		Fellows must demonstrate the ability to investigate and
786		evaluate their care of patients, to appraise and assimilate
787		scientific evidence, and to continuously improve patient care
788		based on constant self-evaluation and lifelong learning. (Core)
789		

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.

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790		
791	IV.B.1.e)	Interpersonal and Communication Skills
792		
793		Fellows must demonstrate interpersonal and communication
794		skills that result in the effective exchange of information and
795 796		collaboration with patients, their families, and health professionals. (Core)
790 797		professionals. (****)
798	IV.B.1.f)	Systems-based Practice
790 799	IV.D. 1.1)	Systems-based Fractice
800		Fellows must demonstrate an awareness of and
801		responsiveness to the larger context and system of health
802		care, including the social determinants of health, as well as
803		the ability to call effectively on other resources to provide
804		optimal health care. (Core)
805		· · · · · · · · · · · · · · · · · · ·
806	IV.C.	Curriculum Organization and Fellow Experiences
807		
808	IV.C.1.	The curriculum must be structured to optimize fellow educational
000	14.0.1.	The carried and mast be structured to optimize renow cadeational
809	14.0.1.	experiences, the length of these experiences, and supervisory
809 810	14.0.1.	· · · · · · · · · · · · · · · · · · ·
809 810 811		experiences, the length of these experiences, and supervisory continuity. (Core)
809 810 811 812	IV.C.1.a)	experiences, the length of these experiences, and supervisory continuity. (Core) The assignment of educational experiences should be structured
809 810 811 812 813		experiences, the length of these experiences, and supervisory continuity. (Core)
809 810 811 812 813 814	IV.C.1.a)	experiences, the length of these experiences, and supervisory continuity. (Core) The assignment of educational experiences should be structured to minimize the frequency of transitions. (Detail)
809 810 811 812 813 814 815		experiences, the length of these experiences, and supervisory continuity. (Core) The assignment of educational experiences should be structured to minimize the frequency of transitions. (Detail) Educational experiences should be of sufficient length to provide a
809 810 811 812 813 814 815 816	IV.C.1.a)	experiences, the length of these experiences, and supervisory continuity. (Core) The assignment of educational experiences should be structured to minimize the frequency of transitions. (Detail) Educational experiences should be of sufficient length to provide a quality educational experience defined by ongoing supervision.
809 810 811 812 813 814 815 816 817	IV.C.1.a)	experiences, the length of these experiences, and supervisory continuity. (Core) The assignment of educational experiences should be structured to minimize the frequency of transitions. (Detail) 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
809 810 811 812 813 814 815 816 817 818	IV.C.1.a)	experiences, the length of these experiences, and supervisory continuity. (Core) The assignment of educational experiences should be structured to minimize the frequency of transitions. (Detail) Educational experiences should be of sufficient length to provide a quality educational experience defined by ongoing supervision.
809 810 811 812 813 814 815 816 817 818 819	IV.C.1.a) IV.C.1.b)	experiences, the length of these experiences, and supervisory continuity. (Core) The assignment of educational experiences should be structured to minimize the frequency of transitions. (Detail) 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. (Detail)
809 810 811 812 813 814 815 816 817 818 819 820	IV.C.1.a)	experiences, the length of these experiences, and supervisory continuity. (Core) The assignment of educational experiences should be structured to minimize the frequency of transitions. (Detail) 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. (Detail) The program must provide instruction and experience in pain
809 810 811 812 813 814 815 816 817 818 819 820 821	IV.C.1.a) IV.C.1.b)	experiences, the length of these experiences, and supervisory continuity. (Core) The assignment of educational experiences should be structured to minimize the frequency of transitions. (Detail) 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. (Detail) The program must provide instruction and experience in pain management if applicable for the subspecialty, including recognition
809 810 811 812 813 814 815 816 817 818 819 820 821 822	IV.C.1.a) IV.C.1.b)	experiences, the length of these experiences, and supervisory continuity. (Core) The assignment of educational experiences should be structured to minimize the frequency of transitions. (Detail) 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. (Detail) The program must provide instruction and experience in pain
809 810 811 812 813 814 815 816 817 818 819 820 821	IV.C.1.a) IV.C.1.b)	experiences, the length of these experiences, and supervisory continuity. (Core) The assignment of educational experiences should be structured to minimize the frequency of transitions. (Detail) 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. (Detail) The program must provide instruction and experience in pain management if applicable for the subspecialty, including recognition

825 826 827 828 829 830 831	IV.C.3.a)	Fellows must have didactic conferences and teaching sessions that <u>include provide coverage of musculoskeletal concepts related</u> to anatomy, <u>orthopaedic surgery</u> , <u>pathology</u> , physiology, <u>pathology</u> , <u>orthopaedic surgery</u> , and rheumatology. (Core) [Moved from IV.C.6.]
832 833 834 835 836	IV.C.3.a).(1)	Fellows must attend Attendance at and participateion in department conferences, such as daily image interpretation sessions, are required. (CoreDetail) [Moved from IV.C.6.a)]
837 838 839 840 841	IV.C.3.b)	<u>Didactic Activities Conferences</u> must provide for progressive fellow participation, and Scheduled presentations by fellows should be encouraged. These conferences should include: (CoreDetail) [Moved from IV.C.8.a)]
842 843 844	IV.C.3.b).(1)	intradepartmental conferences; (CoreDetail) [Moved from IV.C.8.a).(1)]
845	IV.C.3.b).(2)	departmental grand rounds; (Detail)
846 847 848 849	IV.C.3.b).(3)	at least one interdisciplinary regularly scheduled multidisciplinary conferences per week; and, (Core Detail) [Moved from IV.C.8.a).(3)]
850 851 852 853 854 855 856	IV.C.3.b).(3).(a)	These should include the disciplines of <u>neurological</u> <u>surgery</u> , orthopaedic surgery, neurological surgery , and other appropriate surgical specialties; pathology; rheumatology; and oncology. (Core) [Moved from IV.C.7.a)]
857 858 859 860 861	IV.C.3.b).(3).(b)	In addition, the training educational experience should include radiology-oriented conferences with medical students and graduate medical staff. (CoreDetail) [Moved from IV.C.7.a)]
862 863 864	IV.C.3.b).(4)	peer-review case conferences and/or morbidity and mortality conferences. (CoreDetail) [Moved from IV.C.8.a).(4)]
	structured didactic activicourses, labs, asynchro	ackground and Intent: It is intended that fellows will participate in ties that may include, but are not limited to, lectures, conferences, nous learning, simulations, drills, case discussions, grand rounds, ducation in critical appraisal of medical evidence.
865 866 867 868	IV.C.3.c)	regularly scheduled interdepartmental conferences are a necessary component of the program. (Core)
869 870 871	IV.C.3.d)	Fellows must participate on a regular basis in scheduled conferences. (Core)

872	IV.	C.3.e)	Journal club must be held on a quarterly basis. (Core)
873 874 875 876 877	IV.	C.3.f)	Fellows must attend/participate in and regularly attend didactic activities, conferences directed to the level of the individual fellow, that provide formal review of the topics in the subspecialty curriculum. (Core)
878 879 880 881	IV.	C.3.f).(1)	This should include scheduled presentations by the fellows. (Detail)
882 883 884	IV.	C.3.f).(2)	These didactic <u>activities</u> conferences should occur at least twice per month. (Detail)
885 886 887 888	IV.	C.3.g)	Fellows should attend and participate in local conferences and at least one national meeting or medical education post graduate course in musculoskeletal radiology the subspecialty while in training during the fellowship program. (Core) [Moved from IV.C.9.]
889 890 891 892 893	 V.(C.3.g).(1)	Participation in local or national subspecialty societies should be encouraged. Reasonable expenses should be reimbursed. (Detail)
000	Г	<u> </u>	
		Subspecialty-Spe	ific Background and Intent: Fellow participation in local or national
			ties is encouraged, and programs are encouraged to provide support, y from the program, for that participation.
004	L		
894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918	IV.	C.4.	Fellow Experiences
	IV.	C.4.a)	Fellows must have clinical experience and didactic sessions experiences that encompassing the entire spectrum of musculoskeletal diseases and their pathophysiology. (Core) [Moved from IV.C.3.]
	IV.	C.4.a).(1)	This must include both the axial and the appendicular skeletons of both adult and pediatric patients. (CoreDetail) [Moved from IV.C.3.a)]
	IV.	C.4.b)	The Fellows must interpret, under appropriate supervision, diagnostic examinations. (Core) [Moved from IV.C.4.]
	IV.	C.4.c)	Furthermore, the Fellows must perform and interpret image-guided interventions, including image-guided percutaneous biopsy procedures, arthrograms, and diagnostic/therapeutic injections and percutaneous biopsy procedures. (Core) [Moved from IV.C.4.]
	IV.	C.4.d)	Fellows must <u>maintain_keep</u> a <u>procedure</u> log documenting the <u>ir involvement in both diagnostic and types of-image-guided interventions that he/she performs. (Core) [Moved from IV.B.1.b).(2).(c)]</u>

919 920 921 922 923	IV.C.4.e)	The Fellows should have experience with ultrasonography, bone densitometry, and radionuclide scintigraphy, and ultrasonography as they relate to diseases of the musculoskeletal system. (Core) [Moved from IV.C.5.]	
924	IV.D.	Scholarship	
925 926 927 928 929 930 931 932 933 934		Medicine is both an art and a science. The physician is a humanistic scientist who cares for patients. This requires the ability to think critically, evaluate the literature, appropriately assimilate new knowledge, and practice lifelong learning. The program and faculty must create an environment that fosters the acquisition of such skills through fellow participation in scholarly activities as defined in the subspecialty-specific Program Requirements. Scholarly activities may include discovery, integration, application, and teaching.	
935 936 937 938 939 940 941 942 943		The ACGME recognizes the diversity of fellowships and anticipates that programs prepare physicians for a variety of roles, including clinicians, scientists, and educators. It is expected that the program's scholarship will reflect its mission(s) and aims, and the needs of the community it serves. For example, some programs may concentrate their scholarly activity on quality improvement, population health, and/or teaching, while other programs might choose to utilize more classic forms of biomedical research as the focus for scholarship.	
944	IV.D.1.	Program Responsibilities	
945 946 947 948	IV.D.1.a)	The program must demonstrate evidence of scholarly activities, consistent with its mission(s) and aims. (Core)	
949 950 951 952	IV.D.1.b)	The program in partnership with its Sponsoring Institution, must allocate adequate resources to facilitate fellow and faculty involvement in scholarly activities. (Core)	
953 954	IV.D.2.	Faculty Scholarly Activity	
955 956 957 958 959	IV.D.2.a)	Among their scholarly activity, programs must demonstrate accomplishments in at least three of the following domains: (Core) Research in basic science, education, translational	
960 961 962 963 964 965 966 967		 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 	

968 969		 Contribution to professional committees, educational organizations, or editorial boards
		·
970		 Innovations in education
971		
972	IV.D.2.b)	The program must demonstrate dissemination of scholarly
973	,	activity within and external to the program by the following
974		methods:
075		
975		

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.

	residencies and	renowships in the same specialty.
976		
977	IV.D.2.b).(1)	faculty participation in grand rounds, posters,
978		workshops, quality improvement presentations,
979		podium presentations, grant leadership, non-peer-
980		reviewed print/electronic resources, articles or
981		publications, book chapters, textbooks, webinars,
982		service on professional committees, or serving as a
983		journal reviewer, journal editorial board member, or
984		editor; (Outcome)‡
985		
986	IV.D.2.b).(2)	peer-reviewed publication. (Outcome)
987	,	•
988	IV.D.3.	Fellow Scholarly Activity
989		
990	IV.D.3.a)	The program must provide instruction in the fundamentals of
991	,	experimental design, performance, and interpretation of results.
992		(Core)
993		
994	IV.D.3.b)	All fellows must engage in a scholarly project. (Core)
995	,	
996	IV.D.3.b).(1)	This Scholarly projects should may take the form of
997	, , ,	demonstrate the fellows' competence in the fundamentals
998		of research by the completion of and/or participation in one
999		of the following projects, but not limited to:
1000		
1001	IV.D.3.b).(1).(a)	laboratory research; <u>(Detail)</u>
1002		
1003	IV.D.3.b).(1).(b)	clinical research; (Detail)
1004		
1005	IV.D.3.b).(1).(c)	analysis of disease processes, imaging techniques,
1006	, , , , ,	or practice management issues. (Detail)
1007		•
1008	IV.D.3.b).(2)	The results of such projects should be disseminated in the
1009		academic community by either submission for publication

within a printed journal or online educational resource, or presentation at departmental, institutional, local, regional, national, or international meetings. The results of such projects must be submitted for publication or presented at departmental, institutional, local, regional, national or international meetings. (Outcome)

1016 1017 IV.D.3.c)

Laboratory facilities to support research projects should be available in the institution. (Detail)

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V. Evaluation

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V.A. Fellow Evaluation

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V.A.1. Feedback and Evaluation

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.

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

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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.

V.A.1.a).(1)	The program must ensure that there is at least a quarterly
Ψ. <i>γ</i> τ.α <i>γ</i> .(τ <i>γ</i>	review. (Core)
V.A.1.a).(1).(a)	These quarterly reviews should include:
V.A.1.a).(1).(a).(i)	review of faculty evaluations of the fellow;
V.A.1.a).(1).(a).(ii)	review of the procedure log; and, (Detail)
V.A.1.a).(1).(a).(iii)	documentation of compliance with institutional and departmental policies (HIPAA, the Joint Commission, patient safety, infection control, etc.). (Detail)
V.A.1.b)	Evaluation must be documented at the completion of the assignment. (Core)
V.A.1.b).(1)	For block rotations of greater than three months in duration, evaluation must be documented at least every three months. (Core)
V.A.1.b).(2)	Longitudinal experiences such as continuity clinic in the context of other clinical responsibilities must be evaluated at least every three months and at completion. (Core)
review of the fellows	ackground and Intent: A complete quarterly evaluation also includes a procedure log, procedural competencies, and documentation of tutional and departmental policies (HIPAA, the Joint Commission, patient rol, etc.).
V.A.1.c)	The program must provide an objective performance evaluation based on the Competencies and the subspecialty-specific Milestones, and must: (Core)
V.A.1.c).(1)	use multiple evaluators (e.g., faculty members, peers, patients, self, and other professional staff members); and, (Core)
V.A.1.c).(2)	provide that information to the Clinical Competency Committee for its synthesis of progressive fellow performance and improvement toward unsupervised practice. (Core)

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.

learning plans for any specific fellow.		
V.A.1.d)	The program director or their designee, with input from the	
•	Clinical Competency Committee, must:	
V.A.1.d).(1)	meet with and review with each fellow their	
, , ,	documented semi-annual evaluation of performance,	
	including progress along the subspecialty-specific	
	Milestones. (Core)	
V.A.1.d).(2)	assist fellows in developing individualized learning	
	plans to capitalize on their strengths and identify areas	
	for growth; and, ^(Core)	
V.A.1.d).(3)	develop plans for fellows failing to progress, following	
	institutional policies and procedures. (Core)	
	V.A.1.d) V.A.1.d).(1) V.A.1.d).(2)	

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.

1000		
1090	V.A.1.e)	At least annually, there must be a summative evaluation of
1091		each fellow that includes their readiness to progress to the
1092		next year of the program, if applicable. (Core)
1093		
1094	V.A.1.f)	The evaluations of a fellow's performance must be accessible
1095	,	for review by the fellow. (Core)
1096		-

1097 1098	V.A.2.	Final Evaluation
1099 1100 1101	V.A.2.a)	The program director must provide a final evaluation for each fellow upon completion of the program. (Core)
1102 1103 1104 1105 1106 1107	V.A.2.a).(1)	The subspecialty-specific Milestones, and when applicable the subspecialty-specific Case Logs, must be used as tools to ensure fellows are able to engage in autonomous practice upon completion of the program. (Core)
1108 1109	V.A.2.a).(2)	The final evaluation must:
1110 1111 1112 1113 1114	V.A.2.a).(2).(a	become part of the fellow's permanent record maintained by the institution, and must be accessible for review by the fellow in accordance with institutional policy; (Core)
1115 1116 1117 1118	V.A.2.a).(2).(I	verify that the fellow has demonstrated the knowledge, skills, and behaviors necessary to enter autonomous practice; (Core)
1119 1120 1121	V.A.2.a).(2).(c) consider recommendations from the Clinical Competency Committee; and, (Core)
1122 1123 1124	V.A.2.a).(2).(0	d) be shared with the fellow upon completion of the program. (Core)
1125 1126 1127	V.A.3.	A Clinical Competency Committee must be appointed by the program director. (Core)
1128 1129 1130 1131 1132 1133 1134	V.A.3.a)	At a minimum the Clinical Competency Committee must include three members, at least one of whom is a core faculty member. Members must be faculty members from the same program or other programs, or other health professionals who have extensive contact and experience with the program's fellows. (Core)
1135 1136	V.A.3.b)	The Clinical Competency Committee must:
1137 1138 1139	V.A.3.b).(1)	review all fellow evaluations at least semi-annually; (Core)
1140 1141 1142	V.A.3.b).(2)	determine each fellow's progress on achievement of the subspecialty-specific Milestones; and, (Core)
1143 1144 1145 1146	V.A.3.b).(3)	meet prior to the fellows' semi-annual evaluations and advise the program director regarding each fellow's progress. (Core)
1146	V.B.	Faculty Evaluation

1148 1149 **V.B.1.** 1150

1151 1152 The program must have a process to evaluate each faculty member's performance as it relates to the educational program at least annually. (Core)

Background and Intent: The program director is responsible for the education program and for whom delivers it. While the term faculty may be applied to physicians within a given institution for other reasons, it is applied to 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.

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V.B.1.b)

V.B.2.

V.B.3.

This evaluation must include a review of the faculty member's clinical teaching abilities, engagement with the educational program, participation in faculty development related to their skills as an educator, clinical performance, professionalism, and scholarly activities. (Core)

This evaluation must include written, confidential evaluations by the fellows. (Core)

Faculty members must receive feedback on their evaluations at least annually. (Core)

Results of the faculty educational evaluations should be incorporated into program-wide faculty development plans. (Core)

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.

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V.C. Program Evaluation and Improvement

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V.C.1. The program director must appoint the Program Evaluation Committee to conduct and document the Annual Program

1174 1175		Evaluation as part of the program's continuous improvement process. (Core)
1176 1177 1178 1179	V.C.1.a)	The Program Evaluation Committee must be composed of at least two program faculty members, at least one of whom is a core faculty member, and at least one fellow. (Core)
1180 1181 1182	V.C.1.b)	Program Evaluation Committee responsibilities must include:
1183 1184	V.C.1.b).(1)	acting as an advisor to the program director, through program oversight; (Core)
1185 1186 1187	V.C.1.b).(2)	review of the program's self-determined goals and progress toward meeting them; (Core)
1188 1189 1190 1191	V.C.1.b).(3)	guiding ongoing program improvement, including development of new goals, based upon outcomes; and, (Core)
1192 1193 1194 1195 1196	V.C.1.b).(4)	review of the current operating environment to identify strengths, challenges, opportunities, and threats as related to the program's mission and aims. (Core)

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.

1197		
1198	V.C.1.c)	The Program Evaluation Committee should consider the
1199		following elements in its assessment of the program:
1200		
1201	V.C.1.c).(1)	curriculum; ^(Core)
1202		
1203	V.C.1.c).(2)	outcomes from prior Annual Program Evaluation(s);
1204	, , ,	(Core)
1205		
1206	V.C.1.c).(3)	ACGME letters of notification, including citations,
1207		Areas for Improvement, and comments; (Core)
1208		
1209	V.C.1.c).(4)	quality and safety of patient care; (Core)
1210		
1211	V.C.1.c).(5)	aggregate fellow and faculty:
1212		
1213	V.C.1.c).(5).(a)	well-being; (Core)
1214		-
1215	V.C.1.c).(5).(b)	recruitment and retention; (Core)
1216	, . ,	
1217	V.C.1.c).(5).(c)	workforce diversity; (Core)
1218		- -

1219	V.C.1.c).(5).(d)	engagement in quality improvement and patient safety; (Core)
1220 1221		safety, (Solo)
1222	V.C.1.c).(5).(e)	scholarly activity; (Core)
1223	V.O.1.0).(0).(0)	Scholarly activity,
1224	V.C.1.c).(5).(f)	ACGME Resident/Fellow and Faculty Surveys
1225	-7 (-7 ()	(where applicable); and, (Core)
1226		, , , , , ,
1227	V.C.1.c).(5).(g)	written evaluations of the program. (Core)
1228		
1229	V.C.1.c).(6)	aggregate fellow:
1230		(0,00)
1231	V.C.1.c).(6).(a)	achievement of the Milestones; (Core)
1232	V O 4 -> (0) (I-)	in the late a second attend to the account to the
1233	V.C.1.c).(6).(b)	in-training examinations (where applicable);
1234 1235		(65.5)
1236	V.C.1.c).(6).(c)	board pass and certification rates; and, (Core)
1230	V.C.1.C).(6).(C)	board pass and certification rates, and,
1237	V.C.1.c).(6).(d)	graduate performance. (Core)
1239	v.o.1.c).(o).(a)	graduate performance.
1240	V.C.1.c).(7)	aggregate faculty:
1241	,.()	ugg. oguto ruounty.
1242	V.C.1.c).(7).(a)	evaluation; and, (Core)
1243	, (, (,	, ,
1244	V.C.1.c).(7).(b)	professional development (Core)
1245	, , , , ,	·
1246	V.C.1.d)	The Program Evaluation Committee must evaluate the
1247		program's mission and aims, strengths, areas for
1248		improvement, and threats. (Core)
1249		
1250	V.C.1.e)	The annual review, including the action plan, must:
1251		
1252	V.C.1.e).(1)	be distributed to and discussed with the members of
1253		the teaching faculty and the fellows; and, (Core)
1254	V 0 4 \ \ (0)	(Coro)
1255	V.C.1.e).(2)	be submitted to the DIO. ^(Core)
1256	V 0 0	The management went in the in a Calf Charles when to its 40 Vers
1257	V.C.2.	The program must participate in a Self-Study prior to its 10-Year
1258		Accreditation Site Visit. (Core)
1259 1260	V C 2 a)	A summary of the Self-Study must be submitted to the DIO.
1260	V.C.2.a)	(Core)
1201		· ,

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 <u>Self-Study process</u>, as well as information on how to prepare for the <u>10-Year Accreditation Site Visit</u>, is available on the ACGME website.

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1263		
1264	V.C.3.	One goal of ACGME-accredited education is to educate physicians
1265		who seek and achieve board certification. One measure of the
1266		effectiveness of the educational program is the ultimate pass rate.
1267		, ,
1268		The program director should encourage all eligible program
1269		graduates to take the certifying examination offered by the
1270		applicable American Board of Medical Specialties (ABMS) member
1270		
		board or American Osteopathic Association (AOA) certifying board.
1272	V O O =\	For explanacialtica in subjet the ADMO member has a local and/on
1273	V.C.3.a)	For subspecialties in which the ABMS member board and/or
1274		AOA certifying board offer(s) an annual written exam, in the
1275		preceding three years, the program's aggregate pass rate of
1276		those taking the examination for the first time must be higher
1277		than the bottom fifth percentile of programs in that
1278		subspecialty. ^(Outcome)
1279		
1280	V.C.3.b)	For subspecialties in which the ABMS member board and/or
1281	•	AOA certifying board offer(s) a biennial written exam, in the
1282		preceding six years, the program's aggregate pass rate of
1283		those taking the examination for the first time must be higher
1284		than the bottom fifth percentile of programs in that
1285		subspecialty. (Outcome)
1286		oubopoolulty!
1287	V.C.3.c)	For subspecialties in which the ABMS member board and/or
1288	1.0.0.0)	AOA certifying board offer(s) an annual oral exam, in the
1289		preceding three years, the program's aggregate pass rate of
1290		those taking the examination for the first time must be higher
1291		than the bottom fifth percentile of programs in that
1291		subspecialty. (Quitcome)
1292		subspecialty.
1293	V.C.3.d)	For subspecialties in which the ABMS member board and/or
1294	v.c.s.u)	AOA certifying board offer(s) a biennial oral exam, in the
1296		preceding six years, the program's aggregate pass rate of
1297		those taking the examination for the first time must be higher
1298		than the bottom fifth percentile of programs in that
1299		subspecialty. (Outcome)
1300		
1301	V.C.3.e)	For each of the exams referenced in V.C.3.a)-d), any program
1302		whose graduates over the time period specified in the
1303		requirement have achieved an 80 percent pass rate will have
1304		met this requirement, no matter the percentile rank of the
1305		program for pass rate in that subspecialty. (Outcome)
1306		

Background and Intent: Setting a single standard for pass rate that works across subspecialties is not supportable based on the heterogeneity of the psychometrics of different examinations. By using a percentile rank, the performance of the lower five

percent (fifth percentile) of programs can be identified and set on a path to curricular and test preparation reform.

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

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1310 1311 V.C.3.f)

Programs must report, in ADS, board certification status annually for the cohort of board-eligible fellows that graduated seven years earlier. (Core)

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

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

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

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VI. The Learning and Working Environment

1315 1316 1317 Fellowship education must occur in the context of a learning and working environment that emphasizes the following principles:

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1321

 Excellence in the safety and quality of care rendered to patients by fellows today

1322 1323 1324 • Excellence in the safety and quality of care rendered to patients by today's fellows in their future practice

1325 1326 Excellence in professionalism through faculty modeling of:

1327 1328 1329 the effacement of self-interest in a humanistic environment that supports the professional development of physicians

1329 1330 1331

Commitment to the well-being of the students, residents, fellows, faculty members, and all members of the health care team

o the joy of curiosity, problem-solving, intellectual rigor, and discovery

13321333

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.

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.

VI.A.1.a) Patient Safety

1361 VI.A.1.a).(1) Culture of Safety 1362

1363 1364 1365 1366 1367 1368 1369		A culture of safety requires continuous identification of vulnerabilities and a willingness to transparently deal with them. An effective organization has formal mechanisms to assess the knowledge, skills, and attitudes of its personnel toward safety in order to identify areas for improvement.
1370 1371 1372 1373 1374	VI.A.1.a).(1).(a)	The program, its faculty, residents, and fellows must actively participate in patient safety systems and contribute to a culture of safety.
1375 1376 1377 1378	VI.A.1.a).(1).(b)	The program must have a structure that promotes safe, interprofessional, team-based care. (Core)
1379 1380	VI.A.1.a).(2)	Education on Patient Safety
1381 1382 1383 1384		Programs must provide formal educational activities that promote patient safety-related goals, tools, and techniques. (Core)
	Background and Intent: Optimal interprofessional learning and w	patient safety occurs in the setting of a coordinated vorking environment.
1385 1386 1387	VI.A.1.a).(3)	Patient Safety Events
1388 1389 1390 1391 1392 1393 1394 1395 1396 1397		Reporting, investigation, and follow-up of adverse events, near misses, and unsafe conditions are pivotal mechanisms for improving patient safety, and are essential for the success of any patient safety program. Feedback and experiential learning are essential to developing true competence in the ability to identify causes and institute sustainable systems-based changes to ameliorate patient safety vulnerabilities.
1398 1399 1400	VI.A.1.a).(3).(a)	Residents, fellows, faculty members, and other clinical staff members must:
1400 1401 1402 1403 1404	VI.A.1.a).(3).(a).(i)	know their responsibilities in reporting patient safety events at the clinical site; (Core)
1404 1405 1406 1407 1408	VI.A.1.a).(3).(a).(ii)	know how to report patient safety events, including near misses, at the clinical site; and, (Core)
1408 1409 1410 1411	VI.A.1.a).(3).(a).(iii)	be provided with summary information of their institution's patient safety reports. (Core)

1110		
1412 1413	VI.A.1.a).(3).(b)	Fellows must participate as team members in
1413	VI.A. I.a).(3).(b)	real and/or simulated interprofessional clinical
1415		patient safety activities, such as root cause
1416		analyses or other activities that include
1417		analysis, as well as formulation and
1418		implementation of actions. (Core)
1419		implementation of actions.
1420	VI.A.1.a).(4)	Fellow Education and Experience in Disclosure of
1421	VI.A. 1.u/.(4)	Adverse Events
1422		Advoice Evente
1423		Patient-centered care requires patients, and when
1424		appropriate families, to be apprised of clinical
1425		situations that affect them, including adverse events.
1426		This is an important skill for faculty physicians to
1427		model, and for fellows to develop and apply.
1428		
1429	VI.A.1.a).(4).(a)	All fellows must receive training in how to
1430	• / (/ (• /	disclose adverse events to patients and
1431		families. (Core)
1432		
1433	VI.A.1.a).(4).(b)	Fellows should have the opportunity to
1434	, , , , ,	participate in the disclosure of patient safety
1435		events, real or simulated. (Detail)†
1436		
4 407	\/I A 4 L\	
1437	VI.A.1.b)	Quality Improvement
1438	VI.A.1.D)	Quality Improvement
	VI.A.1.b).(1)	Quality Improvement Education in Quality Improvement
1438 1439 1440	,	
1438 1439 1440 1441	,	Education in Quality Improvement A cohesive model of health care includes quality-
1438 1439 1440 1441 1442	,	Education in Quality Improvement A cohesive model of health care includes quality- related goals, tools, and techniques that are necessary
1438 1439 1440 1441 1442 1443	,	Education in Quality Improvement A cohesive model of health care includes quality- related goals, tools, and techniques that are necessary in order for health care professionals to achieve
1438 1439 1440 1441 1442 1443 1444	,	Education in Quality Improvement A cohesive model of health care includes quality- related goals, tools, and techniques that are necessary
1438 1439 1440 1441 1442 1443 1444 1445	VI.A.1.b).(1)	Education in Quality Improvement 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.
1438 1439 1440 1441 1442 1443 1444 1445 1446	,	Education in Quality Improvement 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. Fellows must receive training and experience in
1438 1439 1440 1441 1442 1443 1444 1445 1446 1447	VI.A.1.b).(1)	Education in Quality Improvement 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. Fellows must receive training and experience in quality improvement processes, including an
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1462		Experiential learning is essential to developing the
1463		ability to identify and institute sustainable systems-
1464		based changes to improve patient care.
1465		buosa shangos to improvo patione saro.
1466	VI A 1 b) (3) (a)	Fellows must have the opportunity to
	VI.A.1.b).(3).(a)	• • • • • • • • • • • • • • • • • • • •
1467		participate in interprofessional quality
1468		improvement activities. (Core)
1469		
1470	VI.A.1.b).(3).(a).(i)	This should include activities aimed at
1471	, , , , , , ,	reducing health care disparities. (Detail)
1472		3
1473	VI.A.2.	Supervision and Accountability
1474	VI.A.Z.	ouper vision and Accountability
	\/I A 2 a\	Although the attending physician is ultimately responsible for
1475	VI.A.2.a)	Although the attending physician is ultimately responsible for
1476		the care of the patient, every physician shares in the
1477		responsibility and accountability for their efforts in the
1478		provision of care. Effective programs, in partnership with
1479		their Sponsoring Institutions, define, widely communicate,
1480		and monitor a structured chain of responsibility and
1481		accountability as it relates to the supervision of all patient
1482		care.
1483		care.
1484		Supervision in the setting of graduate medical education
1485		provides safe and effective care to patients; ensures each
1486		fellow's development of the skills, knowledge, and attitudes
1487		required to enter the unsupervised practice of medicine; and
1488		establishes a foundation for continued professional growth.
1489		
1490	VI.A.2.a).(1)	Each patient must have an identifiable and
1491		appropriately-credentialed and privileged attending
1492		physician (or licensed independent practitioner as
1493		specified by the applicable Review Committee) who is
1494		responsible and accountable for the patient's care.
1495		(6016)
1496		
1497	VI.A.2.a).(1).(a)	This information must be available to fellows,
1498		faculty members, other members of the health
1499		care team, and patients. (Core)
1500		· •
1501	VI.A.2.a).(1).(b)	Fellows and faculty members must inform each
1502		patient of their respective roles in that patient's
1502		care when providing direct patient care. (Core)
1503		care when providing direct patient care.
	\/I A 2 b\	Cunaminian may be avaraised through a consister of mostly al-
1505	VI.A.2.b)	Supervision may be exercised through a variety of methods.
1506		For many aspects of patient care, the supervising physician
1507		may be a more advanced fellow. Other portions of care
1508		provided by the fellow can be adequately supervised by the
1509		appropriate availability of the supervising faculty member or
1510		fellow, either on site or by means of telecommunication
1511		technology. Some activities require the physical presence of
1512		the supervising faculty member. In some circumstances,
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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.

1517 1518 1519 1520 1521 1522 1523	VI.A.2.b).(1)	The program must demonstrate that the appropriate level of supervision in place for all fellows is based on each fellow's level of training and ability, as well as patient complexity and acuity. Supervision may be exercised through a variety of methods, as appropriate to the situation. (Core)
1524 1525 1526	VI.A.2.b).(2)	The program must define when physical presence of a supervising physician is required. (Core)
1527 1528	VI.A.2.c)	Levels of Supervision
1529 1530 1531 1532		To promote appropriate fellow supervision while providing for graded authority and responsibility, the program must use the following classification of supervision: (Core)
1533 1534	VI.A.2.c).(1)	Direct Supervision:
1535 1536 1537 1538	VI.A.2.c).(1).(a)	the supervising physician is physically present with the fellow during the key portions of the patient interaction; or, (Core)
1539 1540 1541 1542 1543 1544	VI.A.2.c).(1).(b)	the supervising physician and/or patient is not physically present with the fellow and the supervising physician is concurrently monitoring the patient care through appropriate telecommunication technology. (Core)
1545 1546 1547 1548 1549	VI.A.2.c).(1).(b).(i)	The program must have clear guidelines that delineate which competencies must be met to determine when a fellow can progress to indirect supervision. (Core)
1550 1551 1552 1553 1554	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. (Core)

\	/I.A.2.c).(2)	Indirect Supervision: the supervising physician is no 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. (Core)
١	/I.A.2.c).(3)	Oversight – the supervising physician is available to provide review of procedures/encounters with feedback provided after care is delivered. (Core)
\	/I.A.2.d)	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. (Core)
١	/I.A.2.d).(1)	The program director must evaluate each fellow's abilities based on specific criteria, guided by the Milestones. (Core)
\	/I.A.2.d).(2)	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. (Core)
١	/I.A.2.d).(3)	Fellows should serve in a supervisory role to junior fellows and residents in recognition of their progres toward independence, based on the needs of each patient and the skills of the individual resident or fellow. (Detail)
١	/I.A.2.e)	Programs must set guidelines for circumstances and event in which fellows must communicate with the supervising faculty member(s). (Core)
\	/I.A.2.e).(1)	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. (Outcome)
ļ		and Intent: The ACGME Glossary of Terms defines conditional e as: Graded, progressive responsibility for patient care with defined
\	/I.A.2.f)	Faculty supervision assignments must be of sufficient duration to assess the knowledge and skills of each fellow and to delegate to the fellow the appropriate level of patien care authority and responsibility. (Core)
\	/I.B.	Professionalism

1603 1604 1605	VI.B.1.	Programs, in partnership with their Sponsoring Institutions, must educate fellows and faculty members concerning the professional responsibilities of physicians, including their obligation to be
1606		appropriately rested and fit to provide the care required by their
1607		patients. (Core)
1608		
1609	VI.B.2.	The learning objectives of the program must:
1610		
1611	VI.B.2.a)	be accomplished through an appropriate blend of supervised
1612		patient care responsibilities, clinical teaching, and didactic
1613		educational events; (Core)
1614		
1615	VI.B.2.b)	be accomplished without excessive reliance on fellows to
1616		fulfill non-physician obligations; and, (Core)
1617		

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.

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VI.B.2.c) ensure manageable patient care responsibilities. (Core)

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.

1621		
1622	VI.B.3.	The program director, in partnership with the Sponsoring Institution,
1623		must provide a culture of professionalism that supports patient
1624		safety and personal responsibility. (Core)
1625		
1626	VI.B.4.	Fellows and faculty members must demonstrate an understanding
1627		of their personal role in the:
1628		·
1629	VI.B.4.a)	provision of patient- and family-centered care; (Outcome)
1630		
1631	VI.B.4.b)	safety and welfare of patients entrusted to their care,
1632	•	including the ability to report unsafe conditions and adverse
1633		events; (Outcome)
1634		·

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.

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

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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.

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1639 1640	VI.B.4.c).(1)	management of their time before, during, and after clinical assignments; and, (Outcome)
1641		
1642	VI.B.4.c).(2)	recognition of impairment, including from illness,
1643		fatigue, and substance use, in themselves, their peers,
1644		and other members of the health care team. (Outcome)
1645		
1646	VI.B.4.d)	commitment to lifelong learning; (Outcome)
1647	·	
1648	VI.B.4.e)	monitoring of their patient care performance improvement
1649	-	indicators; and, (Outcome)

VI.B.4.f)

VI.B.5.

VI.B.6.

VI.B.7.

VI.C.

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accurate reporting of clinical and educational work hours, patient outcomes, and clinical experience data. (Outcome) All fellows and faculty members must demonstrate responsiveness to patient needs that supersedes self-interest. This includes the recognition that under certain circumstances, the best interests of the patient may be served by transitioning that patient's care to another qualified and rested provider. (Outcome)

Programs, in partnership with their Sponsoring Institutions, must provide a professional, equitable, respectful, and civil environment that is free from discrimination, sexual and other forms of harassment, mistreatment, abuse, or coercion of students, fellows, faculty, and staff. (Core)

Programs, in partnership with their Sponsoring Institutions, should have a process for education of fellows and faculty regarding unprofessional behavior and a confidential process for reporting. investigating, and addressing such concerns. (Core)

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 sar responsibility to address well-being as other aspects of resident

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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.

As these efforts evolve, information will be shared with programs seeking to develop and/or strengthen their own well-being initiatives. In addition, there are many activities that programs can utilize now to assess and support physician well-being. These include culture of safety surveys, ensuring the availability of counseling services, and attention to the safety of the entire health care team.

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1694	VI.C.1.	The responsibility of the program, in partnership with the
1695		Sponsoring Institution, to address well-being must include:
1696		,
1697	VI.C.1.a)	efforts to enhance the meaning that each fellow finds in the
1698	,	experience of being a physician, including protecting time
1699		with patients, minimizing non-physician obligations,
1700		providing administrative support, promoting progressive
1701		autonomy and flexibility, and enhancing professional
1702		relationships; (Core)
1703		
1704	VI.C.1.b)	attention to scheduling, work intensity, and work
1705	·	compression that impacts fellow well-being; (Core)
1706		
1707	VI.C.1.c)	evaluating workplace safety data and addressing the safety of
1708	,	fellows and faculty members; (Core)
1709		

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.

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VI.C.1.d)

VI.C.1.d).(1)

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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.

faculty member well-being; and, (Core)

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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.

(Core)

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VI.C.1.e)

attention to fellow and faculty member burnout, depression, and substance use disorder. The program, in partnership with its Sponsoring Institution, must educate faculty members and fellows in identification of the symptoms of burnout, depression, and substance use disorder, including means to assist those who experience these conditions. Fellows and faculty members must also be educated to recognize those symptoms in themselves and how to seek appropriate care. The program, in partnership with its Sponsoring Institution, must: (Core)

policies and programs that encourage optimal fellow and

Fellows must be given the opportunity to attend

medical, mental health, and dental care appointments,

including those scheduled during their working hours.

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 on the Physician Well-being section of the ACGME website (http://www.acgme.org/What-We-Do/Initiatives/Physician-Well-Being).

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1738 1739 1740 VI.C.1.e).(1)

encourage fellows and faculty members to alert the program director or other designated personnel or programs when they are concerned that another fellow, resident, or faculty member may be displaying signs of burnout, depression, a substance use disorder, suicidal ideation, or potential for violence;

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.

1742 1743 1744	VI.C.1.e).(2)	provide access to appropriate tools for self-screening; and, $^{(\text{Core})}$
1744 1745 1746	VI.C.1.e).(3)	provide access to confidential, affordable mental health assessment, counseling, and treatment,
1747		including access to urgent and emergent care 24
1747 1748		including access to urgent and emergent care 24 hours a day, seven days a week. (Core)

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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1751	VI.C.2.	There are circumstances in which fellows may be unable to attend
1752		work, including but not limited to fatigue, illness, family
1753		emergencies, and parental leave. Each program must allow an
1754		appropriate length of absence for fellows unable to perform their
1755		patient care responsibilities. (Core)
1756		·
1757	VI.C.2.a)	The program must have policies and procedures in place to
1758	·	ensure coverage of patient care. (Core)
1759		·
1760	VI.C.2.b)	These policies must be implemented without fear of negative
1761	,	consequences for the fellow who is or was unable to provide
1762		the clinical work. (Core)
1763		

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.

VI.D. Fatigue Mitigation

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1767	VI.D.1.	Programs must:
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1769	VI.D.1.a)	educate all faculty members and fellows to recognize the
1770	,	signs of fatigue and sleep deprivation; (Core)
1771		
1772	VI.D.1.b)	educate all faculty members and fellows in alertness
1773	•	management and fatigue mitigation processes; and, (Core)
1774		
1775	VI.D.1.c)	encourage fellows to use fatigue mitigation processes to
1776	,	manage the potential negative effects of fatigue on patient
1777		care and learning. (Detail)
1778		•

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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.

1779		
1780	VI.D.2.	Each program must ensure continuity of patient care, consistent
1781		with the program's policies and procedures referenced in VI.C.2-
1782		VI.C.2.b), in the event that a fellow may be unable to perform their
1783		patient care responsibilities due to excessive fatigue. (Core)
1784		
1785	VI.D.3.	The program, in partnership with its Sponsoring Institution, must
1786		ensure adequate sleep facilities and safe transportation options for
1787		fellows who may be too fatigued to safely return home. (Core)
1788		
1789	VI.E.	Clinical Responsibilities, Teamwork, and Transitions of Care
1790		
1791	VI.E.1.	Clinical Responsibilities
1792		
1793		The clinical responsibilities for each fellow must be based on PGY
1794		level, patient safety, fellow ability, severity and complexity of patient
1795		illness/condition, and available support services. (Core)
1796		

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.

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 the delivery of care in the subspecialty and larger health system. (Core)
VI.E.3.	Transitions of Care
VI.L.J.	Transitions of Care
VI.E.3.a)	Programs must design clinical assignments to optimize transitions in patient care, including their safety, frequenc and structure. (Core)
VI.E.3.b)	Programs, in partnership with their Sponsoring Institution must ensure and monitor effective, structured hand-over processes to facilitate both continuity of care and patient safety. (Core)
VI.E.3.c)	Programs must ensure that fellows are competent in communicating with team members in the hand-over proc (Outcome)
VI.E.3.d)	Programs and clinical sites must maintain and communical schedules of attending physicians and fellows currently responsible for care. (Core)
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 mabe unable to perform their patient care responsibilities due excessive fatigue or illness, or family emergency. (Core)
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 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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1844 1845 VI.F.1. Maximum Hours of Clinical and Educational Work per Week

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

Background and Intent: Programs and 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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Mandatory Time Free of Clinical Work and Education	
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. (Core)	
Fellows should have eight hours off between scheduled clinical work and education periods. (Detail)	
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. (Detail)	

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.

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

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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.

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."

1874 1875 VI.F.3. **Maximum Clinical Work and Education Period Length** 1876 1877 VI.F.3.a) Clinical and educational work periods for fellows must not exceed 24 hours of continuous scheduled clinical 1878 assignments. (Core) 1879 1880 1881 Up to four hours of additional time may be used for VI.F.3.a).(1) activities related to patient safety, such as providing 1882 effective transitions of care, and/or fellow education. 1883 1884 1885 1886 Additional patient care responsibilities must not VI.F.3.a).(1).(a) 1887 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.

VI.F.4. Clinical and Educational Work Hour Exceptions

1892 1893	VI.F.4.a)	In rare circumstances, after handing off all other responsibilities, a fellow, on their own initiative, may elect to
1894		remain or return to the clinical site in the following
1895		circumstances:
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1897	VI.F.4.a).(1)	to continue to provide care to a single severely ill or
1898		unstable patient; (Detail)
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1900	VI.F.4.a).(2)	humanistic attention to the needs of a patient or
1901		family; or, ^(Detail)
1902		
1903	VI.F.4.a).(3)	to attend unique educational events. (Detail)
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1905	VI.F.4.b)	These additional hours of care or education will be counted
1906	,	toward the 80-hour weekly limit. (Detail)
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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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1909 1910 1911	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
1912		sound educational rationale.
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1914		The Review Committee for Diagnostic Radiology will not consider
1915		requests for exceptions to the 80-hour limit to the fellows' work
1916		week.
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1918	VI.F.5.	Moonlighting
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1920	VI.F.5.a)	Moonlighting must not interfere with the ability of the fellow
1921		to achieve the goals and objectives of the educational
1922		program, and must not interfere with the fellow's fitness for
1923		work nor compromise patient safety. (Core)
1924		
1925	VI.F.5.b)	Time spent by fellows in internal and external moonlighting
1926		(as defined in the ACGME Glossary of Terms) must be
1927		counted toward the 80-hour maximum weekly limit. (Core)
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Background and Intent: For additional clarification of the expectations related to moonlighting, please refer to the Common Program Requirement FAQs (available at http://www.acgme.org/What-We-Do/Accreditation/Common-Program-Requirements).

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VI.F.6.	in-nouse night Float	
	Night float must occur within the context of the 80-hour and one-day-off-in-seven requirements. (Core)	
	and Intent: The requirement for no more than six consecutive nights of as removed to provide programs with increased flexibility in scheduling.	
VI.F.7.	Maximum In-House On-Call Frequency	
	Fellows must be scheduled for in-house call no more frequently than every third night (when averaged over a four-week period). (Core)	
VI.F.8.	At-Home Call	
VI.F.8.a)	Time spent on patient care activities by fellows on at-home call must count toward the 80-hour maximum weekly limit. The frequency of at-home call is not subject to the everythird-night limitation, but must satisfy the requirement for one day in seven free of clinical work and education, when averaged over four weeks. (Core)	
VI.F.8.a).(1)	At-home call must not be so frequent or taxing as to preclude rest or reasonable personal time for each fellow. (Core)	
VI.F.8.b)	Fellows are permitted to return to the hospital while on athome call to provide direct care for new or established patients. These hours of inpatient patient care must be included in the 80-hour maximum weekly limit. (Detail)	

In-House Night Float

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

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