



**Accreditation Council for  
Graduate Medical Education**

**ACGME Program Requirements for  
Graduate Medical Education  
in Anesthesiology**

Proposed focused revision; posted for review and comment December 18, 2017

1 **ACGME Program Requirements for Graduate Medical Education**  
2 **in Anesthesiology**

3  
4 **Common Program Requirements are in BOLD**

5  
6 Where applicable, text in italics describes the underlying philosophy of the requirements in that  
7 section. These philosophic statements are not program requirements and are therefore not  
8 citable.

9  
10 **Introduction**

11  
12 **Int.A. Residency is an essential dimension of the transformation of the medical**  
13 **student to the independent practitioner along the continuum of medical**  
14 **education. It is physically, emotionally, and intellectually demanding, and**  
15 **requires longitudinally-concentrated effort on the part of the resident.**

16  
17 **The specialty education of physicians to practice independently is**  
18 **experiential, and necessarily occurs within the context of the health care**  
19 **delivery system. Developing the skills, knowledge, and attitudes leading to**  
20 **proficiency in all the domains of clinical competency requires the resident**  
21 **physician to assume personal responsibility for the care of individual**  
22 **patients. For the resident, the essential learning activity is interaction with**  
23 **patients under the guidance and supervision of faculty members who give**  
24 **value, context, and meaning to those interactions. As residents gain**  
25 **experience and demonstrate growth in their ability to care for patients, they**  
26 **assume roles that permit them to exercise those skills with greater**  
27 **independence. This concept--graded and progressive responsibility--is one**  
28 **of the core tenets of American graduate medical education. Supervision in**  
29 **the setting of graduate medical education has the goals of assuring the**  
30 **provision of safe and effective care to the individual patient; assuring each**  
31 **resident's development of the skills, knowledge, and attitudes required to**  
32 **enter the unsupervised practice of medicine; and establishing a foundation**  
33 **for continued professional growth.**

34  
35 **Int.B. Definition and Scope of the Specialty**

36  
37 The Review Committee representing the medical specialty of anesthesiology  
38 exists in order to foster and maintain the highest standards of education and  
39 educational facilities in anesthesiology, which the Review Committee defines as  
40 the practice of medicine dealing with the peri-operative management of patients.  
41 This includes the peri-operative/peri-procedural management of patients during  
42 surgical and other therapeutic and diagnostic procedures. This management  
43 encompasses the pre-operative preparation of the patient and their peri-operative  
44 maintenance of normal physiology, as well as the post-operative relief and  
45 prevention of pain. An anesthesiologist is skilled in the management and  
46 diagnosis of critically-ill patients, including those experiencing cardiac arrest, and  
47 in the diagnosis and management of acute, chronic, and cancer-related pain.  
48 These goals are achieved through a thorough understanding of physiology and  
49 pharmacology, and the ability to conduct, interpret, and apply the results of  
50 medical research. Finally, the anesthesiologist is skilled in the leadership of  
51 health services delivery, prudent fiscal resource stewardship, and quality

52 improvement, as well as the supervision, education, and evaluation of the  
53 performance of personnel, both medical and paramedical, involved in peri-  
54 operative and peri-procedural care.  
55

56 Int.C. The educational programs in anesthesiology are configured in 36-month  
57 and 48-month formats. The latter includes 12 months of education in  
58 fundamental clinical skills of medicine, and both include 36 months of  
59 education in clinical anesthesia (CA-1, CA-2, and CA-3 years). <sup>(Core)\*</sup>  
60

## 61 I. Institutions

### 62 I.A. Sponsoring Institution

63 **One sponsoring institution must assume ultimate responsibility for the**  
64 **program, as described in the Institutional Requirements, and this**  
65 **responsibility extends to resident assignments at all participating sites.** <sup>(Core)</sup>  
66

67 **The sponsoring institution and the program must ensure that the program**  
68 **director has sufficient protected time and financial support for his or her**  
69 **educational and administrative responsibilities to the program.** <sup>(Core)</sup>  
70

71 I.A.1. The sponsoring institution must also sponsor or be affiliated with ACGME-  
72 accredited residencies in at least the specialties of general surgery and  
73 internal medicine. <sup>(Core)</sup>  
74

### 75 I.B. Participating Sites

76 I.B.1. **There must be a program letter of agreement (PLA) between the**  
77 **program and each participating site providing a required**  
78 **assignment. The PLA must be renewed at least every five years.** <sup>(Core)</sup>  
79

80 I.B.1.a) **The PLA should:**

81 I.B.1.b) **identify the faculty who will assume both educational and**  
82 **supervisory responsibilities for residents;** <sup>(Detail)</sup>  
83

84 I.B.1.c) **specify their responsibilities for teaching, supervision, and**  
85 **formal evaluation of residents, as specified later in this**  
86 **document;** <sup>(Detail)</sup>  
87

88 I.B.1.d) **specify the duration and content of the educational**  
89 **experience; and,** <sup>(Detail)</sup>  
90

91 I.B.1.e) **state the policies and procedures that will govern resident**  
92 **education during the assignment.** <sup>(Detail)</sup>  
93

94 I.B.2. **The program director must submit any additions or deletions of**  
95 **participating sites routinely providing an educational experience,**  
96 **required for all residents, of one month full time equivalent (FTE) or**  
97 **more through the Accreditation Council for Graduate Medical**  
98 **Education (ACGME) Accreditation Data System (ADS).** <sup>(Core)</sup>  
99  
100  
101  
102

- 103
- 104 I.B.3. The majority of rotations for the anesthesiology program must occur at  
105 the sponsoring institution. <sup>(Core)</sup>  
106
- 107 I.B.3.a) Participating sites must provide rotations that the sponsoring  
108 institution is unable to provide. <sup>(Core)</sup>  
109
- 110 I.B.3.a).(1) These sites must be identified in ADS with the educational  
111 justification and be supported through Case Log data. <sup>(Core)</sup>  
112
- 113 I.B.3.a).(2) Residents should not be required to rotate among multiple  
114 participating sites. <sup>(Detail)</sup>  
115
- 116 I.B.3.a).(3) Assignments to a participating site should not exceed six  
117 months. <sup>(Detail)</sup>  
118
- 119 I.B.3.a).(3).(a) Assignments of greater than six months to a  
120 participating site must be approved in advance by  
121 the Review Committee. <sup>(Core)</sup>  
122
- 123 I.B.3.a).(4) International rotations should be limited to the final year of  
124 training and should be limited to three months or less. <sup>(Detail)</sup>  
125
- 126 I.B.3.a).(4).(a) International rotations must be approved by the  
127 Review Committee through a written request  
128 submitted by the program director. <sup>(Detail)</sup>  
129
- 130 I.B.3.a).(4).(b) There should be a signed agreement between the  
131 program and the international site or organization  
132 which addresses educational resources;  
133 responsibilities for expenses for the rotation,  
134 including travel and living expenses; and the plan  
135 for monitoring ACGME duty hour requirements.  
136 <sup>(Detail)</sup>  
137
- 138 I.B.3.a).(4).(c) The program director should reapply for approval of  
139 the international rotation if there is a change in  
140 educational resources; responsibilities for expenses  
141 for the rotation, including travel and living  
142 expenses; or the plan for monitoring ACGME duty  
143 hour requirements. <sup>(Detail)</sup>  
144
- 145 **II. Program Personnel and Resources**  
146
- 147 **II.A. Program Director**  
148
- 149 **II.A.1. There must be a single program director with authority and**  
150 **accountability for the operation of the program. The sponsoring**  
151 **institution's GMC must approve a change in program director.** <sup>(Core)</sup>  
152
- 153 **II.A.1.a) The program director must submit this change to the ACGME**

- 154 via the ADS. <sup>(Core)</sup>
- 155
- 156 **II.A.2. The program director should continue in his or her position for a**
- 157 **length of time adequate to maintain continuity of leadership and**
- 158 **program stability.** <sup>(Detail)</sup>
- 159
- 160 **II.A.3. Qualifications of the program director must include:**
- 161
- 162 **II.A.3.a) requisite specialty expertise and documented educational**
- 163 **and administrative experience acceptable to the Review**
- 164 **Committee;** <sup>(Core)</sup>
- 165
- 166 **II.A.3.b) current certification in the specialty by the American Board of**
- 167 **Anesthesiology, the American Osteopathic Board of**
- 168 **Anesthesiology (AOBA), or specialty qualifications that are**
- 169 **acceptable to the Review Committee;** <sup>(Core)</sup>
- 170
- 171 **II.A.3.c) current medical licensure and appropriate medical staff**
- 172 **appointment;** <sup>(Core)</sup>
- 173
- 174 **II.A.3.d) faculty experience, leadership, organizational, and administrative**
- 175 **qualifications; and,** <sup>(Core)</sup>
- 176
- 177 **II.A.3.e) demonstrated ongoing academic achievements in anesthesiology,**
- 178 **including publications, the development of educational programs,**
- 179 **or the conduct of research.** <sup>(Core)</sup>
- 180
- 181 **II.A.4. The program director must administer and maintain an educational**
- 182 **environment conducive to educating the residents in each of the**
- 183 **ACGME competency areas.** <sup>(Core)</sup>
- 184
- 185 **The program director must:**
- 186
- 187 **II.A.4.a) oversee and ensure the quality of didactic and clinical**
- 188 **education in all sites that participate in the program;** <sup>(Core)</sup>
- 189
- 190 **II.A.4.b) approve a local director at each participating site who is**
- 191 **accountable for resident education;** <sup>(Core)</sup>
- 192
- 193 **II.A.4.c) approve the selection of program faculty as appropriate;** <sup>(Core)</sup>
- 194
- 195 **II.A.4.d) evaluate program faculty;** <sup>(Core)</sup>
- 196
- 197 **II.A.4.e) approve the continued participation of program faculty based**
- 198 **on evaluation;** <sup>(Core)</sup>
- 199
- 200 **II.A.4.f) monitor resident supervision at all participating sites;** <sup>(Core)</sup>
- 201
- 202 **II.A.4.g) prepare and submit all information required and requested by**
- 203 **the ACGME.** <sup>(Core)</sup>
- 204

205	<b>II.A.4.g).(1)</b>	<b>This includes but is not limited to the program application forms and annual program updates to the ADS, and ensure that the information submitted is accurate and complete.</b> <sup>(Core)</sup>
206		
207		
208		
209		
210	<b>II.A.4.h)</b>	<b>ensure compliance with grievance and due process procedures as set forth in the Institutional Requirements and implemented by the sponsoring institution;</b> <sup>(Detail)</sup>
211		
212		
213		
214	<b>II.A.4.i)</b>	<b>provide verification of residency education for all residents, including those who leave the program prior to completion;</b>
215		
216		<sup>(Detail)</sup>
217		
218	<b>II.A.4.j)</b>	<b>implement policies and procedures consistent with the institutional and program requirements for resident duty hours and the working environment, including moonlighting,</b>
219		
220		
221		<sup>(Core)</sup>
222		
223	<b>II.A.4.j).(1)</b>	<b>and, to that end, must:</b>
224		
225	<b>II.A.4.j).(2)</b>	<b>distribute these policies and procedures to the residents and faculty;</b> <sup>(Detail)</sup>
226		
227		
228	<b>II.A.4.j).(3)</b>	<b>monitor resident duty hours, according to sponsoring institutional policies, with a frequency sufficient to ensure compliance with ACGME requirements;</b> <sup>(Core)</sup>
229		
230		
231		
232	<b>II.A.4.j).(4)</b>	<b>adjust schedules as necessary to mitigate excessive service demands and/or fatigue; and,</b> <sup>(Detail)</sup>
233		
234		
235	<b>II.A.4.j).(5)</b>	<b>if applicable, monitor the demands of at-home call and adjust schedules as necessary to mitigate excessive service demands and/or fatigue.</b> <sup>(Detail)</sup>
236		
237		
238		
239	<b>II.A.4.k)</b>	<b>monitor the need for and ensure the provision of back up support systems when patient care responsibilities are unusually difficult or prolonged;</b> <sup>(Detail)</sup>
240		
241		
242		
243	<b>II.A.4.l)</b>	<b>comply with the sponsoring institution's written policies and procedures, including those specified in the Institutional Requirements, for selection, evaluation and promotion of residents, disciplinary action, and supervision of residents;</b>
244		
245		
246		
247		<sup>(Detail)</sup>
248		
249	<b>II.A.4.m)</b>	<b>be familiar with and comply with ACGME and Review Committee policies and procedures as outlined in the ACGME Manual of Policies and Procedures;</b> <sup>(Detail)</sup>
250		
251		
252		
253	<b>II.A.4.n)</b>	<b>obtain review and approval of the sponsoring institution's GMEC/DIO before submitting information or requests to the ACGME, including;</b> <sup>(Core)</sup>
254		
255		

256		
257	<b>II.A.4.n).(1)</b>	<b>all applications for ACGME accreditation of new programs;</b> <sup>(Detail)</sup>
258		
259		
260	<b>II.A.4.n).(2)</b>	<b>changes in resident complement;</b> <sup>(Detail)</sup>
261		
262	<b>II.A.4.n).(3)</b>	<b>major changes in program structure or length of training;</b> <sup>(Detail)</sup>
263		
264		
265	<b>II.A.4.n).(4)</b>	<b>progress reports requested by the Review Committee;</b> <sup>(Detail)</sup>
266		
267		
268	<b>II.A.4.n).(5)</b>	<b>requests for increases or any change to resident duty hours;</b> <sup>(Detail)</sup>
269		
270		
271	<b>II.A.4.n).(6)</b>	<b>voluntary withdrawals of ACGME-accredited programs; and,</b> <sup>(Detail)</sup>
272		
273		
274	<b>II.A.4.n).(7)</b>	<b>requests for appeal of an adverse action;</b> <sup>(Detail)</sup>
275		
276	<b>II.A.4.n).(8)</b>	<b>appeal presentations to a Board of Appeal or the ACGME.</b> <sup>(Detail)</sup>
277		
278		
279	<b>II.A.4.o)</b>	<b>obtain DIO review and co-signature on all program application forms, as well as any correspondence or document submitted to the ACGME that addresses:</b> <sup>(Detail)</sup>
280		
281		
282		
283	<b>II.A.4.o).(1)</b>	<b>program citations, and/or,</b> <sup>(Detail)</sup>
284		
285	<b>II.A.4.o).(2)</b>	<b>request for changes in the program that would have significant impact, including financial, on the program or institution.</b> <sup>(Detail)</sup>
286		
287		
288		
289	II.A.4.p)	receive protected time to lead the program, including time for administrative duties, curriculum and faculty development, Milestone validation, and education research, as well as didactic and other resident education activities such as simulation. <sup>(Core)</sup>
290		
291		
292		
293		
294	II.A.4.p).(1)	Programs with one-20 residents must provide a minimum of <u>20% percent</u> protected time for the program director. <sup>(Core)</sup>
295		
296		
297		
298	II.A.4.p).(2)	Programs with more than 20 residents must provide a minimum of <u>40% percent</u> protected time for the program director. <sup>(Core)</sup>
299		
300		
301		
302	II.A.4.q)	maintain oversight of resident education in fundamental clinical skills of medicine; <sup>(Core)</sup>
303		
304		
305	II.A.4.q).(1)	When 12 months of education in fundamental clinical skills of medicine is approved as part of the accredited program,
306		

- 307 the program director must maintain oversight for all  
 308 rotations, and must approve the rotations for individual  
 309 residents. <sup>(Core)</sup>  
 310
- 311 II.A.4.q).(1).(a) The program director must review written resident  
 312 performance evaluations from each clinical service  
 313 on which each resident rotates on a quarterly basis.  
 314 <sup>(Core)</sup>  
 315
- 316 II.A.4.q).(2) When a resident completes education in fundamental  
 317 clinical skills of medicine in another accredited program,  
 318 the anesthesiology program director must ensure that  
 319 he/she receives the resident's quarterly written  
 320 performance evaluations. <sup>(Core)</sup>  
 321
- 322 II.A.4.r) ensure regular review of the residents' clinical experience logs  
 323 and verify their accuracy and completeness when they are  
 324 transmitted to the Review Committee; <sup>(Core)</sup>  
 325
- 326 II.A.4.r).(1) The program director must ensure that experience logs are  
 327 submitted annually to the Review Committee in  
 328 accordance with the format and the due date specified by  
 329 the Committee. <sup>(Core)</sup>  
 330
- 331 II.A.4.s) ensure that the program has a written policy and an educational  
 332 program regarding substance abuse as it relates to physician well-  
 333 being that specifically addresses the needs of anesthesiology; <sup>(Core)</sup>  
 334
- 335 II.A.4.t) determine sequencing of rotations; <sup>(Detail)</sup>  
 336
- 337 II.A.4.u) monitor the appropriate distribution of cases among the residents;  
 338 and, <sup>(Core)</sup>  
 339
- 340 II.A.4.v) ensure that service commitments do not compromise the  
 341 achievement of educational goals and objectives. <sup>(Core)</sup>  
 342
- 343 **II.B. Faculty**  
 344
- 345 **II.B.1. At each participating site, there must be a sufficient number of**  
 346 **faculty with documented qualifications to instruct and supervise all**  
 347 **residents at that location.** <sup>(Core)</sup>  
 348
- 349 **The faculty must:**  
 350
- 351 **II.B.1.a) devote sufficient time to the educational program to fulfill**  
 352 **their supervisory and teaching responsibilities; and to**  
 353 **demonstrate a strong interest in the education of residents;**  
 354 **and,** <sup>(Core)</sup>  
 355
- 356 **II.B.1.b) administer and maintain an educational environment**  
 357 **conducive to educating residents in each of the ACGME**



- 358 competency areas. <sup>(Core)</sup>
- 359
- 360 **II.B.2. The physician faculty must have current certification in the specialty**
- 361 **by the American Board of Anesthesiology (ABA), the American**
- 362 **Osteopathic Board of Anesthesiology (AOBA), or possess**
- 363 **qualifications judged acceptable to the Review Committee.** <sup>(Core)</sup>
- 364
- 365 **II.B.3. The physician faculty must possess current medical licensure and**
- 366 **appropriate medical staff appointment.** <sup>(Core)</sup>
- 367
- 368 **II.B.4. The nonphysician faculty must have appropriate qualifications in**
- 369 **their field and hold appropriate institutional appointments.** <sup>(Core)</sup>
- 370
- 371 **II.B.5. The faculty must establish and maintain an environment of inquiry**
- 372 **and scholarship with an active research component.** <sup>(Core)</sup>
- 373
- 374 **II.B.5.a) The faculty must regularly participate in organized clinical**
- 375 **discussions, rounds, journal clubs, and conferences.** <sup>(Detail)</sup>
- 376
- 377 **II.B.5.b) Some members of the faculty should also demonstrate**
- 378 **scholarship by one or more of the following:**
- 379
- 380 **II.B.5.b).(1) peer-reviewed funding;** <sup>(Detail)</sup>
- 381
- 382 **II.B.5.b).(2) publication of original research or review articles in**
- 383 **peer reviewed journals, or chapters in textbooks;** <sup>(Detail)</sup>
- 384
- 385 **II.B.5.b).(3) publication or presentation of case reports or clinical**
- 386 **series at local, regional, or national professional and**
- 387 **scientific society meetings; or,** <sup>(Detail)</sup>
- 388
- 389 **II.B.5.b).(4) participation in national committees or educational**
- 390 **organizations.** <sup>(Detail)</sup>
- 391
- 392 **II.B.5.c) Faculty should encourage and support residents in scholarly**
- 393 **activities.** <sup>(Core)</sup>
- 394
- 395 **II.B.5.d) In aggregate, the total of the program's faculty scholarly**
- 396 **productivity should have all of these types of scholarly activity.**
- 397 <sup>(Detail)</sup>
- 398
- 399 **II.B.5.e) If the program is unable to fulfill one aspect of this requirement,**
- 400 **the curriculum must include educational activities for the residents**
- 401 **in the deficient component.** <sup>(Core)</sup>
- 402
- 403 **II.B.6. The members of the faculty must have varying interests, capabilities, and**
- 404 **backgrounds, and include individuals who have specialized expertise in**
- 405 **the subspecialties of anesthesiology, including critical care, obstetric**
- 406 **anesthesia, pediatric anesthesia, neuroanesthesia, cardiothoracic**
- 407 **anesthesia, and pain medicine, and also in research.** <sup>(Core)</sup>
- 408

- 409 II.B.6.a) Didactic and clinical teaching should be provided by faculty  
410 members with documented interests and expertise in the  
411 subspecialty involved. <sup>(Detail)</sup>  
412
- 413 II.B.7. The number of faculty members must be sufficient to provide each  
414 resident with adequate supervision, which shall not vary substantially with  
415 the time of day or the day of the week. <sup>(Core)</sup>  
416
- 417 II.B.8. Designated faculty members must be readily and consistently available  
418 for consultation and teaching. <sup>(Core)</sup>  
419
- 420 **II.C. Other Program Personnel**  
421  
422 **The institution and the program must jointly ensure the availability of all**  
423 **necessary professional, technical, and clerical personnel for the effective**  
424 **administration of the program.** <sup>(Core)</sup>  
425
- 426 **II.D. Resources**  
427  
428 **The institution and the program must jointly ensure the availability of**  
429 **adequate resources for resident education, as defined in the specialty**  
430 **program requirements.** <sup>(Core)</sup>  
431
- 432 II.D.1. There must be adequate space and equipment for the educational  
433 program, including meeting rooms, classrooms with visual and other  
434 educational aids, study areas for residents, office space for faculty  
435 members and residents, diagnostic and therapeutic facilities, laboratory  
436 facilities, computer support, and appropriate on-call facilities for male and  
437 female residents and faculty members. <sup>(Core)</sup>  
438
- 439 **II.E. Medical Information Access**  
440  
441 **Residents must have ready access to specialty-specific and other**  
442 **appropriate reference material in print or electronic format. Electronic**  
443 **medical literature databases with search capabilities should be available.**  
444 <sup>(Detail)</sup>  
445
- 446 **III. Resident Appointments**  
447
- 448 **III.A. Eligibility Criteria**  
449  
450 **The program director must comply with the criteria for resident eligibility**  
451 **as specified in the Institutional Requirements.** <sup>(Core)</sup>  
452
- 453 **III.A.1. Eligibility Requirements – Residency Programs**  
454
- 455 **III.A.1.a) All prerequisite post-graduate clinical education required for**  
456 **initial entry or transfer into ACGME-accredited residency**  
457 **programs must be completed in ACGME-accredited residency**  
458 **programs, or in Royal College of Physicians and Surgeons of**  
459 **Canada (RCPSC)-accredited or College of Family Physicians**

460 of Canada (CFPC)-accredited residency programs located in  
461 Canada. Residency programs must receive verification of  
462 each applicant's level of competency in the required clinical  
463 field using ACGME or CanMEDS Milestones assessments  
464 from the prior training program. <sup>(Core)</sup>  
465

466 III.A.1.a).(1) Residents entering a 36-month anesthesiology program  
467 that does not include education in fundamental clinical  
468 skills of medicine must have successfully completed 12  
469 months of education in fundamental clinical skills of  
470 medicine in a program that is ACGME-accredited or  
471 RCPSC-accredited located in Canada. <sup>(Core)</sup>  
472

473 III.A.1.a).(1).(a) If such residents have also been accepted into an  
474 anesthesiology program, then in order to be  
475 accepted into the CA-1 year, they must  
476 demonstrate satisfactory abilities on quarterly  
477 written performance evaluations prior to starting  
478 their education in fundamental clinical skills of  
479 medicine. <sup>(Core)</sup>  
480

481 III.A.1.b) **A physician who has completed a residency program that**  
482 **was not accredited by ACGME, RCPSC, or CFPC may enter**  
483 **an ACGME-accredited residency program in the same**  
484 **specialty at the PGY-1 level and, at the discretion of the**  
485 **program director at the ACGME-accredited program may be**  
486 **advanced to the PGY-2 level based on ACGME Milestones**  
487 **assessments at the ACGME-accredited program. This**  
488 **provision applies only to entry into residency in those**  
489 **specialties for which an initial clinical year is not required for**  
490 **entry.** <sup>(Core)</sup>  
491

492 III.A.1.c) **A Review Committee may grant the exception to the eligibility**  
493 **requirements specified in Section III.A.2.b) for residency**  
494 **programs that require completion of a prerequisite residency**  
495 **program prior to admission.** <sup>(Core)</sup>  
496

497 III.A.1.d) **Review Committees will grant no other exceptions to these**  
498 **eligibility requirements for residency education.** <sup>(Core)</sup>  
499

### 500 III.A.2. Eligibility Requirements – Fellowship Programs

501 **All required clinical education for entry into ACGME-accredited**  
502 **fellowship programs must be completed in an ACGME-accredited**  
503 **residency program, or in an RCPSC-accredited or CFPC-** **accredited**  
504 **residency program located in Canada.** <sup>(Core)</sup>  
505

506 III.A.2.a) **Fellowship programs must receive verification of each**  
507 **entering fellow's level of competency in the required field**  
508 **using ACGME or CanMEDS Milestones assessments from the**  
509 **core residency program.** <sup>(Core)</sup>  
510

511		
512	<b>III.A.2.b)</b>	<b>Fellow Eligibility Exception</b>
513		
514	<b>III.A.2.b).(1)</b>	<b>A Review Committee may grant the following exception to the fellowship eligibility requirements:</b>
515		
516		
517	<b>III.A.2.b).(2)</b>	<b>An ACGME-accredited fellowship program may accept an exceptionally qualified applicant**, who does not satisfy the eligibility requirements listed in Sections III.A.2. and III.A.2.a), but who does meet all of the following additional qualifications and conditions: <sup>(Core)</sup></b>
518		
519		
520		
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522		
523	<b>III.A.2.b).(3)</b>	<b>Assessment 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 <sup>(Core)</sup></b>
524		
525		
526		
527		
528		
529	<b>III.A.2.b).(4)</b>	<b>Review and approval of the applicant’s exceptional qualifications by the GMEC or a subcommittee of the GMEC; and <sup>(Core)</sup></b>
530		
531		
532		
533	<b>III.A.2.b).(5)</b>	<b>Satisfactory completion of the United States Medical Licensing Examination (USMLE) Steps 1, 2, and, if the applicant is eligible, 3, and; <sup>(Core)</sup></b>
534		
535		
536		
537	<b>III.A.2.b).(6)</b>	<b>For an international graduate, verification of Educational Commission for Foreign Medical Graduates (ECFMG) certification; and, <sup>(Core)</sup></b>
538		
539		
540		
541	<b>III.A.2.b).(7)</b>	<b>Applicants accepted by this exception must complete fellowship Milestones evaluation (for the purposes of establishment of baseline performance by the Clinical Competency Committee), conducted by the receiving fellowship program within six weeks of matriculation. This evaluation may be waived for an applicant who has completed an ACGME International-accredited residency based on the applicant’s Milestones evaluation conducted at the conclusion of the residency program. <sup>(Core)</sup></b>
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552	<b>III.A.2.b).(7).(a)</b>	<b>If the trainee does not meet the expected level of Milestones competency following entry into the fellowship program, the trainee must undergo a period of remediation, overseen by the Clinical Competency Committee and monitored by the GMEC or a subcommittee of the GMEC. This period of remediation must not count toward time in fellowship training. <sup>(Core)</sup></b>
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561                                   **\*\* An exceptionally qualified applicant has (1) completed a**  
562                                   **non-ACGME-accredited residency program in the core**  
563                                   **specialty, and (2) demonstrated clinical excellence, in**  
564                                   **comparison to peers, throughout training. Additional**  
565                                   **evidence of exceptional qualifications is required, which may**  
566                                   **include one of the following: (a) participation in additional**  
567                                   **clinical or research training in the specialty or subspecialty;**  
568                                   **(b) demonstrated scholarship in the specialty or**  
569                                   **subspecialty; (c) demonstrated leadership during or after**  
570                                   **residency training; (d) completion of an ACGME-International-**  
571                                   **accredited residency program.**  
572

573 **III.B.            Number of Residents**

574  
575                                   **The program’s educational resources must be adequate to support the**  
576                                   **number of residents appointed to the program.** (Core)  
577

578 **III.B.1.                    The program director may not appoint more residents than**  
579                                   **approved by the Review Committee, unless otherwise stated in the**  
580                                   **specialty-specific requirements.** (Core)  
581

582 **III.B.2.                    There must be a minimum of nine residents with, on average, three**  
583                                   **appointed in each of the CA-1, CA-2, and CA-3 years.** (Core)  
584

585 **III.B.3.                    Any proposed increase in the number of residents must receive prior**  
586                                   **approval from the Review Committee.** (Core)  
587

588 **III.C.            Resident Transfers**

589  
590 **III.C.1.                    Before accepting a resident who is transferring from another**  
591                                   **program, the program director must obtain written or electronic**  
592                                   **verification of previous educational experiences and a summative**  
593                                   **competency-based performance evaluation of the transferring**  
594                                   **resident.** (Detail)  
595

596 **III.C.2.                    A program director must provide timely verification of residency**  
597                                   **education and summative performance evaluations for residents**  
598                                   **who may leave the program prior to completion.** (Detail)  
599

600 **III.D.            Appointment of Fellows and Other Learners**

601  
602                                   **The presence of other learners (including, but not limited to, residents from**  
603                                   **other specialties, subspecialty fellows, PhD students, and nurse**  
604                                   **practitioners) in the program must not interfere with the appointed**  
605                                   **residents’ education.** (Core)  
606

607 **III.D.1.                    The program director must report the presence of other learners to**  
608                                   **the DIO and GMCC in accordance with sponsoring institution**  
609                                   **guidelines.** (Detail)  
610

611 **IV.            Educational Program**

- 612  
613 **IV.A. The curriculum must contain the following educational components:**  
614
- 615 **IV.A.1. Overall educational goals for the program, which the program must**  
616 **make available to residents and faculty;** <sup>(Core)</sup>  
617
- 618 IV.A.1.a) The education must culminate in sufficiently independent  
619 responsibility for clinical decision-making and patient care, so that  
620 the graduating resident exhibits sound clinical judgment in a wide  
621 variety of clinical situations and can function as a leader of peri-  
622 operative care teams. <sup>(Core)</sup>  
623
- 624 **IV.A.2. Competency-based goals and objectives for each assignment at**  
625 **each educational level, which the program must distribute to**  
626 **residents and faculty at least annually, in either written or electronic**  
627 **form;** <sup>(Core)</sup>  
628
- 629 IV.A.2.a) As the resident advances through the program, goals and  
630 objectives must reflect the opportunity to learn to plan and  
631 administer anesthesia care for patients with more severe and  
632 complicated diseases, as well as for patients who undergo more  
633 complex surgical procedures. <sup>(Core)</sup>  
634
- 635 **IV.A.3. Regularly scheduled didactic sessions;** <sup>(Core)</sup>  
636
- 637 IV.A.3.a) The curriculum must contain didactic instruction through a variety  
638 of learning opportunities occurring in conference, in the clinical  
639 setting or online that encompasses clinical anesthesiology and  
640 related areas of basic science. <sup>(Core)</sup>  
641
- 642 IV.A.3.b) Other topics from internal medicine that are important for the pre-  
643 operative preparation of the patient, from surgery as to the nature  
644 of the surgical procedure affecting anesthetic care, and from  
645 obstetrics that impacts anesthetic management of the patient,  
646 should be included. <sup>(Core)</sup>  
647
- 648 IV.A.3.b).(1) The material covered in the didactic program must  
649 demonstrate appropriate continuity and sequencing to  
650 ensure that residents are ultimately exposed to all subjects  
651 at regularly held learning exercises. <sup>(Core)</sup>  
652
- 653 IV.A.3.b).(2) There should be evidence of regular faculty member  
654 participation in didactic sessions. <sup>Detail</sup>  
655
- 656 IV.A.3.b).(3) The program director and faculty members from other  
657 disciplines and other institutions should conduct these  
658 sessions. <sup>Detail</sup>  
659
- 660 **IV.A.4. Delineation of resident responsibilities for patient care, progressive**  
661 **responsibility for patient management, and supervision of residents**  
662 **over the continuum of the program; and,** <sup>(Core)</sup>

663		
664	<b>IV.A.5.</b>	<b>ACGME Competencies</b>
665		
666		<b>The program must integrate the following ACGME competencies</b>
667		<b>into the curriculum:</b> <sup>(Core)</sup>
668		
669	<b>IV.A.5.a)</b>	<b>Patient Care and Procedural Skills</b>
670		
671	<b>IV.A.5.a).(1)</b>	<b>Residents must be able to provide patient care that is</b>
672		<b>compassionate, appropriate, and effective for the</b>
673		<b>treatment of health problems and the promotion of</b>
674		<b>health. Residents:</b> <sup>(Outcome)</sup>
675		
676	IV.A.5.a).(1).(a)	must demonstrate competence in fundamental
677		clinical skills of medicine, including:
678		
679	IV.A.5.a).(1).(a).(i)	obtaining a comprehensive medical history;
680		<sup>(Outcome)</sup>
681		
682	IV.A.5.a).(1).(a).(ii)	performing a comprehensive physical
683		examination; <sup>(Outcome)</sup>
684		
685	IV.A.5.a).(1).(a).(iii)	assessing a patient's medical conditions;
686		<sup>(Outcome)</sup>
687		
688	IV.A.5.a).(1).(a).(iv)	making appropriate use of diagnostic
689		studies and tests; <sup>(Outcome)</sup>
690		
691	IV.A.5.a).(1).(a).(v)	integrating information to develop a
692		differential diagnosis; and, <sup>(Outcome)</sup>
693		
694	IV.A.5.a).(1).(a).(vi)	implementing a treatment plan. <sup>(Outcome)</sup>
695		
696	IV.A.5.a).(1).(b)	must demonstrate competence in anesthetic
697		management, including care for:
698		
699	IV.A.5.a).(1).(b).(i)	patients younger than 12 years of age
700		undergoing surgery or other procedures
701		requiring anesthetics; <sup>(Outcome)</sup>
702		
703	IV.A.5.a).(1).(b).(i).(a)	This experience must involve care
704		for 100 patients younger than 12
705		years of age. <sup>(Core)</sup>
706		
707	IV.A.5.a).(1).(b).(i).(b)	Within this patient group, 20 children
708		must be younger than three years of
709		age, including five younger than
710		three months of age. <sup>(Core)</sup>
711		
712	IV.A.5.a).(1).(b).(ii)	patients who are evaluated for management
713		of acute, chronic, or cancer-related pain

714		disorders; (Outcome)
715		
716	IV.A.5.a).(1).(b).(ii).(a)	This experience must involve care for 20 patients presenting for initial evaluation of pain. (Core)
717		
718		
719		
720	IV.A.5.a).(1).(b).(ii).(b)	Residents must be familiar with the breadth of pain management, including clinical experience with interventional pain procedures. (Outcome)
721		
722		
723		
724		
725		
726	IV.A.5.a).(1).(b).(iii)	patients scheduled for evaluation prior to elective surgical procedures; (Outcome)
727		
728		
729	IV.A.5.a).(1).(b).(iv)	patients immediately after anesthesia, including direct care of patients in the post-anesthesia-care unit, and responsibilities for management of pain, hemodynamic changes, and emergencies related to the post-anesthesia care unit; and, (Outcome)
730		
731		
732		
733		
734		
735		
736	IV.A.5.a).(1).(b).(v)	critically-ill patients. (Outcome)
737		
738	<b>IV.A.5.a).(2)</b>	<b>Residents must be able to competently perform all medical, diagnostic, and surgical procedures considered essential for the area of practice.</b>
739		<b>Residents:</b> (Outcome)
740		
741		
742		
743		must achieve competence in the delivery of anesthetic care to:
744		
745		
746	IV.A.5.a).(2).(a)	patients undergoing vaginal delivery; (Outcome)
747		
748	IV.A.5.a).(2).(a).(i)	This experience must involve care for 40 patients. (Core)
749		
750		
751	IV.A.5.a).(2).(b)	patients undergoing cesarean sections; (Outcome)
752		
753	IV.A.5.a).(2).(b).(i)	This experience must involve care for 20 patients. (Core)
754		
755		
756	IV.A.5.a).(2).(c)	patients undergoing cardiac surgery; (Outcome)
757		
758	IV.A.5.a).(2).(c).(i)	This experience must involve care for 20 patients. (Core)
759		
760		
761	IV.A.5.a).(2).(c).(i).(a)	The care provided to 10 of these patients must involve the use of cardiopulmonary bypass. (Core)
762		
763		
764		



765	IV.A.5.a).(2).(d)	patients undergoing open or endovascular
766		procedures on major vessels, including carotid
767		surgery, intrathoracic vascular surgery, intra-
768		abdominal vascular surgery, or peripheral vascular
769		surgery; <sup>(Outcome)</sup>
770		
771	IV.A.5.a).(2).(d).(i)	This experience must involve care for 20
772		patients, not including surgery for vascular
773		access or repair of vascular access. <sup>(Core)</sup>
774		
775	IV.A.5.a).(2).(e)	patients undergoing non-cardiac intrathoracic
776		surgery, including pulmonary surgery and surgery
777		of the great vessels, esophagus, and the
778		mediastinum and its structures; <sup>(Outcome)</sup>
779		
780	IV.A.5.a).(2).(e).(i)	This experience must involve care for 20
781		patients. <sup>(Core)</sup>
782		
783	IV.A.5.a).(2).(f)	patients undergoing intracerebral procedures,
784		including those undergoing intracerebral
785		endovascular procedures; <sup>(Outcome)</sup>
786		
787	IV.A.5.a).(2).(f).(i)	This experience must involve care for 20
788		patients, the majority of which must involve
789		an open cranium. <sup>(Core)</sup>
790		
791	IV.A.5.a).(2).(g)	patients for whom epidural anesthetics are used as
792		part of the anesthetic technique or epidural
793		catheters are placed for peri-operative analgesia;
794		<sup>(Outcome)</sup>
795		
796	IV.A.5.a).(2).(g).(i)	This experience must involve care for 40
797		patients. <sup>(Core)</sup>
798		
799	IV.A.5.a).(2).(h)	patients undergoing procedures for complex,
800		immediate life-threatening pathology; <sup>(Outcome)</sup>
801		
802	IV.A.5.a).(2).(h).(i)	This experience must involve care for 20
803		patients. <sup>(Core)</sup>
804		
805	IV.A.5.a).(2).(i)	patients undergoing surgical procedures, including
806		cesarean sections, with spinal anesthetics; <sup>(Outcome)</sup>
807		
808	IV.A.5.a).(2).(i).(i)	This experience must involve care for 40
809		patients. <sup>(Core)</sup>
810		
811	IV.A.5.a).(2).(j)	patients undergoing surgical procedures in whom
812		peripheral nerve blocks are used as part of the
813		anesthetic technique or peri-operative analgesic
814		management; <sup>(Outcome)</sup>
815		

816	IV.A.5.a).(2).(j).(i)	This experience must involve care for 40
817		patients. <sup>(Core)</sup>
818		
819	IV.A.5.a).(2).(k)	patients with acute post-operative pain, including
820		those with patient-controlled intravenous
821		techniques, neuraxial blockade, and other pain-
822		control modalities; <sup>(Outcome)</sup>
823		
824	IV.A.5.a).(2).(l)	patients whose peri-operative care requires
825		specialized techniques, including: <sup>(Outcome)</sup>
826		
827	IV.A.5.a).(2).(l).(i)	a broad spectrum of airway management
828		techniques, to include laryngeal masks,
829		fiberoptic intubation, and lung isolation
830		techniques, such as double lumen
831		endotracheal tube placement and
832		endobronchial blockers; <sup>(Outcome)</sup>
833		
834	IV.A.5.a).(2).(l).(ii)	central vein and pulmonary artery catheter
835		placement, and the use of transesophageal
836		echocardiography and evoked potentials;
837		and, <sup>(Outcome)</sup>
838		
839	IV.A.5.a).(2).(l).(iii)	use of electroencephalography (EEG) or
840		processed EEG monitoring as part of the
841		procedure, or adequate didactic instruction
842		to ensure familiarity with EEG use and
843		interpretation. <sup>(Outcome)</sup>
844		
845	IV.A.5.a).(2).(m)	patients undergoing a variety of diagnostic or
846		therapeutic procedures outside the surgical suite.
847		<sup>(Outcome)</sup>
848		
849		<u>This must include competency in:</u>
850		
851	IV.A.5.a).(2).(m).(i)	<u>using surface ultrasound and</u>
852		<u>transesophageal and transthoracic</u>
853		<u>echocardiography to guide the performance</u>
854		<u>of invasive procedures and to evaluate</u>
855		<u>organ function and pathology as related to</u>
856		<u>anesthesia, critical care, and resuscitation;</u>
857		<sup>(Outcome)</sup>
858		
859	IV.A.5.a).(2).(m).(ii)	<u>understanding the principles of ultrasound,</u>
860		<u>including the physics of ultrasound</u>
861		<u>transmission, ultrasound transducer</u>
862		<u>construction, and transducer selection for</u>
863		<u>specific applications, to include being able</u>
864		<u>to obtain images with an understanding of</u>
865		<u>limitations and artifacts;</u> <sup>(Outcome)</sup>
866		

867	IV.A.5.a).(2).(m).(iii)	<u>obtaining standard views of the heart and inferior vena cava with transthoracic echocardiography allowing the evaluation of myocardial function, estimation of central venous pressure, and gross pericardial/cardiac pathology (e.g., large pericardial effusion);</u> (Outcome)
868		
869		
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873		
874		
875	IV.A.5.a).(2).(m).(iv)	<u>obtaining standard views of the heart with transesophageal echocardiography allowing the evaluation of myocardial function and gross pericardial/cardiac pathology (e.g., large pericardial effusion);</u> (Outcome)
876		
877		
878		
879		
880		
881	IV.A.5.a).(2).(m).(v)	<u>using transthoracic ultrasound for the detection of pneumothorax and pleural effusion;</u> (Outcome)
882		
883		
884		
885	IV.A.5.a).(2).(m).(vi)	<u>using surface ultrasound to guide vascular access (both central and peripheral) and to guide regional anesthesia procedures; and,</u> (Outcome)
886		
887		
888		
889		
890	IV.A.5.a).(2).(m).(vii)	<u>describing techniques, views, and findings in standard language.</u> (Outcome)
891		
892		
893	<b>IV.A.5.b)</b>	<b>Medical Knowledge</b>
894		
895		<b>Residents must demonstrate knowledge of established and evolving biomedical, clinical, epidemiological and social-behavioral sciences, as well as the application of this knowledge to patient care. Residents:</b> (Outcome)
896		
897		
898		
899		
900	IV.A.5.b).(1)	must demonstrate appropriate medical knowledge in the topics related to the anesthetic care of patients, including:
901		
902		
903	IV.A.5.b).(1).(a)	practice management to address issues such as:
904		(Outcome)
905		
906	IV.A.5.b).(1).(a).(i)	operating room management; (Outcome)
907		
908	IV.A.5.b).(1).(a).(ii)	evaluation of types of practice; (Outcome)
909		
910	IV.A.5.b).(1).(a).(iii)	contract negotiations; (Outcome)
911		
912	IV.A.5.b).(1).(a).(iv)	billing arrangements; (Outcome)
913		
914	IV.A.5.b).(1).(a).(v)	professional liability; (Outcome)
915		
916	IV.A.5.b).(1).(a).(vi)	<u>health care finance, legislative, and regulatory issues; and,</u> (Outcome)
917		

918		
919	IV.A.5.b).(1).(a).(vii)	fiscal stewardship of health services delivery. (Outcome)
920		
921		
922	IV.A.5.b).(1).(b)	<u>management skills, to include basic knowledge of organizational culture, decision making, change management, conflict resolution, and negotiation and advocacy;</u> (Outcome)
923		
924		
925		
926		
927	IV.A.5.b).(1).(c)	<u>care of the patient in the continuum of the peri-operative period, to include collaboration with medical and surgical colleagues to:</u> (Outcome)
928		
929		
930		
931	IV.A.5.b).(1).(c).(i)	<u>optimize preoperative patient condition;</u> (Outcome)
932		
933		
934	IV.A.5.b).(1).(c).(ii)	<u>optimize recovery; and,</u> (Outcome)
935		
936	IV.A.5.b).(1).(c).(iii)	<u>engage in discharge planning.</u> (Outcome)
937		
938	IV.A.5.b).(1).(d)	management of the specific needs of patients undergoing diagnostic or therapeutic procedures outside of the surgical suite. (Outcome)
939		
940		
941		

**IV.A.5.c)**

**Practice-based Learning and Improvement**

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

**Residents are expected to develop skills and habits to be able to meet the following goals:**

942		
943		
944		
945		
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949		
950		
951		
952		
953	<b>IV.A.5.c).(1)</b>	<b>identify strengths, deficiencies, and limits in one's knowledge and expertise;</b> (Outcome)
954		
955		
956	<b>IV.A.5.c).(2)</b>	<b>set learning and improvement goals;</b> (Outcome)
957		
958	<b>IV.A.5.c).(3)</b>	<b>identify and perform appropriate learning activities;</b> (Outcome)
959		
960		
961	<b>IV.A.5.c).(4)</b>	<b>systematically analyze practice using quality improvement methods, and implement changes with the goal of practice improvement;</b> (Outcome)
962		
963		
964		
965	<b>IV.A.5.c).(5)</b>	<b>incorporate formative evaluation feedback into daily practice;</b> (Outcome)
966		
967		
968	<b>IV.A.5.c).(6)</b>	<b>locate, appraise, and assimilate evidence from</b>

969		<b>scientific studies related to their patients' health</b>
970		<b>problems;</b> <small>(Outcome)</small>
971		
972	<b>IV.A.5.c).(7)</b>	<b>use information technology to optimize learning; and,</b>
973		<small>(Outcome)</small>
974		
975	<b>IV.A.5.c).(8)</b>	<b>participate in the education of patients, families,</b>
976		<b>students, residents and other health professionals.</b>
977		<small>(Outcome)</small>
978		
979	<b>IV.A.5.d)</b>	<b>Interpersonal and Communication Skills</b>
980		
981		<b>Residents must demonstrate interpersonal and</b>
982		<b>communication skills that result in the effective exchange of</b>
983		<b>information and collaboration with patients, their families,</b>
984		<b>and health professionals.</b> <small>(Outcome)</small>
985		
986		<b>Residents are expected to:</b>
987		
988	<b>IV.A.5.d).(1)</b>	<b>communicate effectively with patients, families, and</b>
989		<b>the public, as appropriate, across a broad range of</b>
990		<b>socioeconomic and cultural backgrounds;</b> <small>(Outcome)</small>
991		
992	<b>IV.A.5.d).(2)</b>	<b>communicate effectively with physicians, other health</b>
993		<b>professionals, and health related agencies;</b> <small>(Outcome)</small>
994		
995	<b>IV.A.5.d).(3)</b>	<b>work effectively as a member or leader of a health care</b>
996		<b>team or other professional group;</b> <small>(Outcome)</small>
997		
998	<b>IV.A.5.d).(4)</b>	<b>act in a consultative role to other physicians and</b>
999		<b>health professionals; and,</b> <small>(Outcome)</small>
1000		
1001	<b>IV.A.5.d).(5)</b>	<b>maintain comprehensive, timely, and legible medical</b>
1002		<b>records, if applicable.</b> <small>(Outcome)</small>
1003		
1004	<b>IV.A.5.d).(6)</b>	<b>maintain a comprehensive anesthesia record for each</b>
1005		<b>patient, including evidence of pre- and post-operative</b>
1006		<b>anesthesia assessment, the drugs administered, the</b>
1007		<b>monitoring employed, the techniques used, the physiologic</b>
1008		<b>variations observed, the therapy provided, and the fluids</b>
1009		<b>administered; and,</b> <small>(Outcome)</small>
1010		
1011	<b>IV.A.5.d).(7)</b>	<b>create and sustain a therapeutic relationship with patients,</b>
1012		<b>engage in active listening, provide information using</b>
1013		<b>appropriate language, ask clear questions, provide an</b>
1014		<b>opportunity for comments and questions.</b> <small>(Outcome)</small>
1015		
1016	<b>IV.A.5.e)</b>	<b>Professionalism</b>
1017		
1018		<b>Residents must demonstrate a commitment to carrying out</b>
1019		<b>professional responsibilities and an adherence to ethical</b>

1020		<b>principles.</b> <sup>(Outcome)</sup>
1021		
1022		<b>Residents are expected to demonstrate:</b>
1023		
1024	<b>IV.A.5.e).(1)</b>	<b>compassion, integrity, and respect for others;</b> <sup>(Outcome)</sup>
1025		
1026	<b>IV.A.5.e).(2)</b>	<b>responsiveness to patient needs that supersedes self-interest;</b> <sup>(Outcome)</sup>
1027		
1028		
1029	<b>IV.A.5.e).(3)</b>	<b>respect for patient privacy and autonomy;</b> <sup>(Outcome)</sup>
1030		
1031	<b>IV.A.5.e).(4)</b>	<b>accountability to patients, society and the profession;</b>
1032		<b>and,</b> <sup>(Outcome)</sup>
1033		
1034	<b>IV.A.5.e).(5)</b>	<b>sensitivity and responsiveness to a diverse patient population, including but not limited to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation.</b> <sup>(Outcome)</sup>
1035		
1036		
1037		
1038		
1039	<b>IV.A.5.f)</b>	<b>Systems-based Practice</b>
1040		
1041		<b>Residents must demonstrate an awareness of and</b>
1042		<b>responsiveness to the larger context and system of health</b>
1043		<b>care, as well as the ability to call effectively on other</b>
1044		<b>resources in the system to provide optimal health care.</b> <sup>(Outcome)</sup>
1045		
1046		<b>Residents are expected to:</b>
1047		
1048	<b>IV.A.5.f).(1)</b>	<b>work effectively in various health care delivery settings and systems relevant to their clinical specialty;</b> <sup>(Outcome)</sup>
1049		
1050		
1051		
1052	<b>IV.A.5.f).(2)</b>	<b>coordinate patient care within the health care system relevant to their clinical specialty;</b> <sup>(Outcome)</sup>
1053		
1054		
1055	<b>IV.A.5.f).(3)</b>	<b>incorporate considerations of cost awareness and risk-benefit analysis in patient and/or population-based care as appropriate;</b> <sup>(Outcome)</sup>
1056		
1057		
1058		
1059	<b>IV.A.5.f).(4)</b>	<b>advocate for quality patient care and optimal patient care systems;</b> <sup>(Outcome)</sup>
1060		
1061		
1062	<b>IV.A.5.f).(5)</b>	<b>work in interprofessional teams to enhance patient safety and improve patient care quality; and,</b> <sup>(Outcome)</sup>
1063		
1064		
1065	<b>IV.A.5.f).(6)</b>	<b>participate in identifying system errors and implementing potential systems solutions.</b> <sup>(Outcome)</sup>
1066		
1067		
1068	<b>IV.A.6.</b>	<b>Curriculum Organization and Resident Experiences</b>
1069		
1070	<b>IV.A.6.a)</b>	<b>12 months of the resident's educational program must provide</b>

1071		broad education in fundamental clinical skills of medicine relevant
1072		to the practice of anesthesiology. <sup>(Core)</sup>
1073		
1074	IV.A.6.a).(1)	Fundamental clinical skills of medicine education
1075		completed as part of an anesthesiology residency need not
1076		be contiguous, but must be completed before starting the
1077		final year of the program. <sup>(Core)</sup>
1078		
1079	IV.A.6.a).(2)	At least six months of fundamental clinical skills of
1080		medicine education must include experience in caring for
1081		inpatients in family medicine, internal medicine, neurology,
1082		obstetrics and gynecology, pediatrics, surgery or any of the
1083		surgical specialties, or any combination of these. <sup>(Core)</sup>
1084		
1085	IV.A.6.b)	During the first 12 months of the program, there must be at least
1086		one month, but not more than two month(s) each of critical care
1087		and emergency medicine. <sup>(Core)</sup>
1088		
1089	IV.A.6.c)	Thirty-six months of education must be in peri-operative medicine.
1090		<sup>(Core)</sup>
1091		
1092	IV.A.6.c).(1)	This must include experience with a wide spectrum of
1093		disease processes and surgical procedures available
1094		within the CA-1 through CA-3 years to provide each
1095		resident with broad exposure to different types of
1096		anesthetic management. <sup>(Core)</sup>
1097		
1098	IV.A.6.c).(2)	The program must ensure that the rotations for residents
1099		beginning the peri-operative medicine component of the
1100		residency be in surgical anesthesia, critical care medicine,
1101		and pain medicine. <sup>(Core)</sup>
1102		
1103	IV.A.6.c).(3)	Residents must receive training in the complex technology
1104		and equipment associated with the practice of
1105		anesthesiology. <sup>(Core)</sup>
1106		
1107	IV.A.6.c).(4)	Clinical experience in surgical anesthesia, pain medicine,
1108		and critical care medicine must be distributed throughout
1109		the curriculum in order to provide progressive responsibility
1110		in the later stages of the program. <sup>(Core)</sup>
1111		
1112	IV.A.6.d)	Residents must have a rotation of at least two weeks in pre-
1113		operative medicine. <sup>(Core)</sup>
1114		
1115	IV.A.6.e)	Residents must have a rotation of at least two weeks in post-
1116		anesthesia care. <sup>(Core)</sup>
1117		
1118	IV.A.6.e).(1)	Resident clinical responsibilities in the post-operative care
1119		unit must be limited to the care of post-operative patients,
1120		with the exception of providing emergency response
1121		capability for cardiac arrests and rapid response situations

1122		within the facility. (Core)
1123		
1124	IV.A.6.f)	Resident education must include a minimum of four months of critical care medicine, (Core)
1125		
1126		
1127	IV.A.6.f).(1)	No more than two months of this experience should occur prior to the CA-1 year. (Core)
1128		
1129		
1130	IV.A.6.f).(2)	Each critical care medicine rotation must be at least one month in duration, with progressive patient care responsibility in advanced rotations. (Core)
1131		
1132		
1133		
1134	IV.A.6.f).(3)	Training must take place in units, providing care for both men and women, in which the majority of patients have multisystem disease. (Core)
1135		
1136		
1137		
1138	IV.A.6.f).(4)	Residents must actively participate in all patient care activities as fully integrated members of the critical care team. (Core)
1139		
1140		
1141		
1142	IV.A.6.f).(5)	During at least two of the required four months of critical care medicine, faculty anesthesiologists experienced in the practice and teaching of critical care must be actively involved in the care of the critically-ill patients seen by residents, and in the educational activities of the residents. (Core)
1143		
1144		
1145		
1146		
1147		
1148		
1149	IV.A.6.g)	Resident education must include a minimum of two one-month rotations each in obstetric anesthesia, pediatric anesthesia, neuroanesthesia, and cardiothoracic anesthesia. (Core)
1150		
1151		
1152		
1153	IV.A.6.g).(1)	Additional subspecialty and research rotations are encouraged, but resident rotations in a single anesthesia subspecialty must not exceed six months. (Detail)
1154		
1155		
1156		
1157	IV.A.6.g).(2)	Advanced subspecialty rotations must not compromise the learning opportunities for residents participating in their initial subspecialty rotations. (Core)
1158		
1159		
1160		
1161	IV.A.6.h)	Resident education must include a minimum of three months in pain medicine, including: (Core)
1162		
1163		
1164	IV.A.6.h).(1)	one month in an acute peri-operative pain management rotation; (Core)
1165		
1166		
1167	IV.A.6.h).(2)	one month in a rotation for the assessment and treatment of inpatients and outpatients with chronic pain; and, (Core)
1168		
1169		
1170	IV.A.6.h).(3)	one month of a regional analgesia experience rotation. (Core)
1171		
1172		



- 1173 IV.A.6.i) Residents must have at least two weeks of experience managing  
 1174 the anesthetic care of patients undergoing diagnostic or  
 1175 therapeutic procedures outside of the surgical suite. <sup>(Core)</sup>  
 1176
- 1177 IV.A.6.j) In the clinical anesthesia setting, faculty members must not direct  
 1178 anesthesia at more than two anesthetizing locations  
 1179 simultaneously when supervising residents. <sup>(Core)</sup>  
 1180
- 1181 IV.A.6.j).(1) Clinical instruction of residents by non-physician personnel  
 1182 should be limited to not more than 10 percent of total  
 1183 instruction, and should use such personnel only when  
 1184 access to their specific expertise will enhance the  
 1185 educational experience of residents. <sup>(Detail)</sup>  
 1186
- 1187 IV.A.6.k) All residents must obtain advanced cardiac life support (ACLS)  
 1188 certification at least once during the program. <sup>(Core)</sup>  
 1189
- 1190 IV.A.6.l) Residents must participate in at least one simulated clinical  
 1191 experience each year. <sup>(Core)</sup>  
 1192
- 1193 **IV.B. Residents' Scholarly Activities**
- 1194
- 1195 **IV.B.1. The curriculum must advance residents' knowledge of the basic**  
 1196 **principles of research, including how research is conducted,**  
 1197 **evaluated, explained to patients, and applied to patient care.** <sup>(Core)</sup>  
 1198
- 1199 **IV.B.2. Residents should participate in scholarly activity.** <sup>(Core)</sup>  
 1200
- 1201 **IV.B.3. The sponsoring institution and program should allocate adequate**  
 1202 **educational resources to facilitate resident involvement in scholarly**  
 1203 **activities.** <sup>(Detail)</sup>  
 1204
- 1205 IV.B.4. Each resident must complete, under faculty member supervision, an  
 1206 academic assignment. <sup>(Core)</sup>  
 1207
- 1208 IV.B.4.a) Academic assignments should include grand rounds  
 1209 presentations; preparation and publication of review articles, book  
 1210 chapters, manuals for teaching or clinical practice; or  
 1211 development, performance, or participation in one or more clinical  
 1212 or laboratory investigations. <sup>(Detail)</sup>  
 1213
- 1214 IV.B.4.a).(1) The outcome of resident investigations should be suitable  
 1215 for presentation at local, regional, or national scientific  
 1216 meetings, and/or result in peer-reviewed abstracts or  
 1217 manuscripts. <sup>(Detail)</sup>  
 1218
- 1219 **V. Evaluation**
- 1220
- 1221 **V.A. Resident Evaluation**
- 1222
- 1223 **V.A.1. The program director must appoint the Clinical Competency**

1224		<b>Committee.</b> <sup>(Core)</sup>
1225		
1226	<b>V.A.1.a)</b>	<b>At a minimum the Clinical Competency Committee must be composed of three members of the program faculty.</b> <sup>(Core)</sup>
1227		
1228		
1229	<b>I.A.1.a).(1)</b>	<b>The program director may appoint additional members of the Clinical Competency Committee.</b>
1230		
1231		
1232	<b>I.A.1.a).(1).(a)</b>	<b>These additional members must be physician faculty members from the same program or other programs, or other health professionals who have extensive contact and experience with the program's residents in patient care and other health care settings.</b> <sup>(Core)</sup>
1233		
1234		
1235		
1236		
1237		
1238		
1239	<b>I.A.1.a).(1).(b)</b>	<b>Chief residents who have completed core residency programs in their specialty and are eligible for specialty board certification may be members of the Clinical Competency Committee.</b> <sup>(Core)</sup>
1240		
1241		
1242		
1243		
1244		
1245	<b>V.A.1.b)</b>	<b>There must be a written description of the responsibilities of the Clinical Competency Committee.</b> <sup>(Core)</sup>
1246		
1247		
1248	<b>V.A.1.b).(1)</b>	<b>The Clinical Competency Committee should:</b>
1249		
1250	<b>V.A.1.b).(1).(a)</b>	<b>review all resident evaluations semi-annually;</b> <sup>(Core)</sup>
1251		
1252		
1253	<b>V.A.1.b).(1).(b)</b>	<b>prepare and ensure the reporting of Milestones evaluations of each resident semi-annually to ACGME; and,</b> <sup>(Core)</sup>
1254		
1255		
1256		
1257	<b>V.A.1.b).(1).(c)</b>	<b>advise the program director regarding resident progress, including promotion, remediation, and dismissal.</b> <sup>(Detail)</sup>
1258		
1259		
1260		
1261	<b>V.A.2.</b>	<b>Formative Evaluation</b>
1262		
1263	<b>V.A.2.a)</b>	<b>The faculty must evaluate resident performance in a timely manner during each rotation or similar educational assignment, and document this evaluation at completion of the assignment.</b> <sup>(Core)</sup>
1264		
1265		
1266		
1267		
1268	<b>V.A.2.b)</b>	<b>The program must:</b>
1269		
1270	<b>V.A.2.b).(1)</b>	<b>provide objective assessments of competence in patient care and procedural skills, medical knowledge, practice-based learning and improvement, interpersonal and communication skills, professionalism, and systems-based practice based</b>
1271		
1272		
1273		
1274		

1275		on the specialty-specific Milestones; <sup>(Core)</sup>
1276		
1277	V.A.2.b).(2)	use multiple evaluators (e.g., faculty, peers, patients, self, and other professional staff); <sup>(Detail)</sup>
1278		
1279		
1280	V.A.2.b).(3)	document progressive resident performance improvement appropriate to educational level; and, <sup>(Core)</sup>
1281		
1282		
1283		
1284	V.A.2.b).(4)	provide each resident with documented semiannual evaluation of performance with feedback. <sup>(Core)</sup>
1285		
1286		
1287	V.A.2.c)	The evaluations of resident performance must be accessible for review by the resident, in accordance with institutional policy. <sup>(Detail)</sup>
1288		
1289		
1290		
1291	V.A.3.	Summative Evaluation
1292		
1293	V.A.3.a)	The specialty-specific Milestones must be used as one of the tools to ensure residents are able to practice core professional activities without supervision upon completion of the program. <sup>(Core)</sup>
1294		
1295		
1296		
1297		
1298	V.A.3.b)	The program director must provide a summative evaluation for each resident upon completion of the program. <sup>(Core)</sup>
1299		
1300		
1301		This evaluation must:
1302		
1303	V.A.3.b).(1)	become part of the resident's permanent record maintained by the institution, and must be accessible for review by the resident in accordance with institutional policy; <sup>(Detail)</sup>
1304		
1305		
1306		
1307		
1308	V.A.3.b).(2)	document the resident's performance during the final period of education; and, <sup>(Detail)</sup>
1309		
1310		
1311	V.A.3.b).(3)	verify that the resident has demonstrated sufficient competence to enter practice without direct supervision. <sup>(Detail)</sup>
1312		
1313		
1314		
1315	V.B.	Faculty Evaluation
1316		
1317	V.B.1.	At least annually, the program must evaluate faculty performance as it relates to the educational program. <sup>(Core)</sup>
1318		
1319		
1320	V.B.2.	These evaluations should include a review of the faculty's clinical teaching abilities, commitment to the educational program, clinical knowledge, professionalism, and scholarly activities. <sup>(Detail)</sup>
1321		
1322		
1323		
1324	V.B.3.	This evaluation must include at least annual written confidential evaluations by the residents. <sup>(Detail)</sup>
1325		

1326		
1327	<b>V.C.</b>	<b>Program Evaluation and Improvement</b>
1328		
1329	<b>V.C.1.</b>	<b>The program director must appoint the Program Evaluation</b>
1330		<b>Committee (PEC).</b> <sup>(Core)</sup>
1331		
1332	<b>V.C.1.a)</b>	<b>The Program Evaluation Committee:</b>
1333		
1334	<b>V.C.1.a).(1)</b>	<b>must be composed of at least two program faculty</b>
1335		<b>members and should include at least one resident;</b>
1336		<sup>(Core)</sup>
1337		
1338	<b>V.C.1.a).(2)</b>	<b>must have a written description of its responsibilities;</b>
1339		<b>and,</b> <sup>(Core)</sup>
1340		
1341	<b>V.C.1.a).(3)</b>	<b>should participate actively in:</b>
1342		
1343	<b>V.C.1.a).(3).(a)</b>	<b>planning, developing, implementing, and</b>
1344		<b>evaluating educational activities of the</b>
1345		<b>program;</b> <sup>(Detail)</sup>
1346		
1347	<b>V.C.1.a).(3).(b)</b>	<b>reviewing and making recommendations for</b>
1348		<b>revision of competency-based curriculum goals</b>
1349		<b>and objectives;</b> <sup>(Detail)</sup>
1350		
1351	<b>V.C.1.a).(3).(c)</b>	<b>addressing areas of non-compliance with</b>
1352		<b>ACGME standards; and,</b> <sup>(Detail)</sup>
1353		
1354	<b>V.C.1.a).(3).(d)</b>	<b>reviewing the program annually using</b>
1355		<b>evaluations of faculty, residents, and others, as</b>
1356		<b>specified below.</b> <sup>(Detail)</sup>
1357		
1358	<b>V.C.2.</b>	<b>The program, through the PEC, must document formal, systematic</b>
1359		<b>evaluation of the curriculum at least annually, and is responsible for</b>
1360		<b>rendering a written, annual program evaluation.</b> <sup>(Core)</sup>
1361		
1362		<b>The program must monitor and track each of the following areas:</b>
1363		
1364	<b>V.C.2.a)</b>	<b>resident performance;</b> <sup>(Core)</sup>
1365		
1366	<b>V.C.2.b)</b>	<b>faculty development;</b> <sup>(Core)</sup>
1367		
1368	<b>V.C.2.c)</b>	<b>graduate performance, including performance of program</b>
1369		<b>graduates on the certification examination;</b> <sup>(Core)</sup>
1370		
1371	<b>V.C.2.c).(1)</b>	Upon completion of the program, all residents <del>will</del> <u>should</u>
1372		enter the process of certification and take the required
1373		examinations at the earliest possible date. At least 70
1374		percent of a program's graduates who are eligible for <u>ABA</u>
1375		board certification, averaged over five years, should pass
1376		on the first attempt. <sup>(Outcome)</sup>

1377		
1378	V.C.2.c).(2)	<u>At least 70 percent of a program's graduates who take the AOBA certification exam, averaged over five years, should pass on the first attempt.</u> <sup>(Outcome)</sup>
1379		
1380		
1381		
1382	V.C.2.d)	program quality; and, <sup>(Core)</sup>
1383		
1384	V.C.2.d).(1)	Residents and faculty must have the opportunity to evaluate the program confidentially and in writing at least annually, and <sup>(Detail)</sup>
1385		
1386		
1387		
1388	V.C.2.d).(2)	The program must use the results of residents' and faculty members' assessments of the program together with other program evaluation results to improve the program. <sup>(Detail)</sup>
1389		
1390		
1391		
1392		
1393	V.C.2.e)	progress on the previous year's action plan(s). <sup>(Core)</sup>
1394		
1395	V.C.3.	The PEC must prepare a written plan of action to document initiatives to improve performance in one or more of the areas listed in section V.C.2., as well as delineate how they will be measured and monitored. <sup>(Core)</sup>
1396		
1397		
1398		
1399		
1400	V.C.3.a)	The action plan should be reviewed and approved by the teaching faculty and documented in meeting minutes. <sup>(Detail)</sup>
1401		
1402		
1403	VI.	The Learning and Working Environment
1404		
1405		<i>Residency education must occur in the context of a learning and working environment that emphasizes the following principles:</i>
1406		
1407		
1408		• <i>Excellence in the safety and quality of care rendered to patients by residents today</i>
1409		
1410		
1411		• <i>Excellence in the safety and quality of care rendered to patients by today's residents in their future practice</i>
1412		
1413		
1414		• <i>Excellence in professionalism through faculty modeling of:</i>
1415		
1416		○ <i>the effacement of self-interest in a humanistic environment that supports the professional development of physicians</i>
1417		
1418		
1419		○ <i>the joy of curiosity, problem-solving, intellectual rigor, and discovery</i>
1420		
1421		• <i>Commitment to the well-being of the students, residents, faculty members, and all members of the health care team</i>
1422		
1423		
1424	VI.A.	Patient Safety, Quality Improvement, Supervision, and Accountability
1425		
1426	VI.A.1.	Patient Safety and Quality Improvement

1427  
1428 ***All physicians share responsibility for promoting patient safety and***  
1429 ***enhancing quality of patient care. Graduate medical education must***  
1430 ***prepare residents to provide the highest level of clinical care with***  
1431 ***continuous focus on the safety, individual needs, and humanity of***  
1432 ***their patients. It is the right of each patient to be cared for by***  
1433 ***residents who are appropriately supervised; possess the requisite***  
1434 ***knowledge, skills, and abilities; understand the limits of their***  
1435 ***knowledge and experience; and seek assistance as required to***  
1436 ***provide optimal patient care.***

1437  
1438 ***Residents must demonstrate the ability to analyze the care they***  
1439 ***provide, understand their roles within health care teams, and play an***  
1440 ***active role in system improvement processes. Graduating residents***  
1441 ***will apply these skills to critique their future unsupervised practice***  
1442 ***and effect quality improvement measures.***

1443  
1444 ***It is necessary for residents and faculty members to consistently***  
1445 ***work in a well-coordinated manner with other health care***  
1446 ***professionals to achieve organizational patient safety goals.***

1447  
1448 **VI.A.1.a) Patient Safety**

1449  
1450 **VI.A.1.a).(1) Culture of Safety**

1451  
1452 ***A culture of safety requires continuous identification***  
1453 ***of vulnerabilities and a willingness to transparently***  
1454 ***deal with them. An effective organization has formal***  
1455 ***mechanisms to assess the knowledge, skills, and***  
1456 ***attitudes of its personnel toward safety in order to***  
1457 ***identify areas for improvement.***

1458  
1459 **VI.A.1.a).(1).(a) The program, its faculty, residents, and fellows**  
1460 **must actively participate in patient safety**  
1461 **systems and contribute to a culture of safety.**  
1462 **(Core)**

1463  
1464 **VI.A.1.a).(1).(b) The program must have a structure that**  
1465 **promotes safe, interprofessional, team-based**  
1466 **care. (Core)**

1467  
1468 **VI.A.1.a).(2) Education on Patient Safety**

1469  
1470 **Programs must provide formal educational activities**  
1471 **that promote patient safety-related goals, tools, and**  
1472 **techniques. (Core)**

1473  
1474 **VI.A.1.a).(3) Patient Safety Events**

1475  
1476 ***Reporting, investigation, and follow-up of adverse***  
1477 ***events, near misses, and unsafe conditions are pivotal***

1478 *mechanisms for improving patient safety, and are*  
1479 *essential for the success of any patient safety*  
1480 *program. Feedback and experiential learning are*  
1481 *essential to developing true competence in the ability*  
1482 *to identify causes and institute sustainable systems-*  
1483 *based changes to ameliorate patient safety*  
1484 *vulnerabilities.*

1485  
1486 **VI.A.1.a).(3).(a)** Residents, fellows, faculty members, and other  
1487 clinical staff members must:

1488  
1489 **VI.A.1.a).(3).(a).(i)** know their responsibilities in reporting  
1490 patient safety events at the clinical site;  
1491 (Core)

1492  
1493 **VI.A.1.a).(3).(a).(ii)** know how to report patient safety  
1494 events, including near misses, at the  
1495 clinical site; and, (Core)

1496  
1497 **VI.A.1.a).(3).(a).(iii)** be provided with summary information  
1498 of their institution's patient safety  
1499 reports. (Core)

1500  
1501 **VI.A.1.a).(3).(b)** Residents must participate as team members in  
1502 real and/or simulated interprofessional clinical  
1503 patient safety activities, such as root cause  
1504 analyses or other activities that include  
1505 analysis, as well as formulation and  
1506 implementation of actions. (Core)

1507  
1508 **VI.A.1.a).(4)** Resident Education and Experience in Disclosure of  
1509 Adverse Events  
1510  
1511 *Patient-centered care requires patients, and when*  
1512 *appropriate families, to be apprised of clinical*  
1513 *situations that affect them, including adverse events.*  
1514 *This is an important skill for faculty physicians to*  
1515 *model, and for residents to develop and apply.*

1516  
1517 **VI.A.1.a).(4).(a)** All residents must receive training in how to  
1518 disclose adverse events to patients and  
1519 families. (Core)

1520  
1521 **VI.A.1.a).(4).(b)** Residents should have the opportunity to  
1522 participate in the disclosure of patient safety  
1523 events, real or simulated. (Detail)

1524 **VI.A.1.b)** Quality Improvement

1525  
1526  
1527 **VI.A.1.b).(1)** Education in Quality Improvement  
1528

1529 ***A cohesive model of health care includes quality-***  
1530 ***related goals, tools, and techniques that are necessary***  
1531 ***in order for health care professionals to achieve***  
1532 ***quality improvement goals.***

1533  
1534 **VI.A.1.b).(1).(a)** Residents must receive training and experience  
1535 in quality improvement processes, including an  
1536 understanding of health care disparities. <sup>(Core)</sup>

1537  
1538 **VI.A.1.b).(2)** **Quality Metrics**

1539 ***Access to data is essential to prioritizing activities for***  
1540 ***care improvement and evaluating success of***  
1541 ***improvement efforts.***

1542  
1543  
1544 **VI.A.1.b).(2).(a)** Residents and faculty members must receive  
1545 data on quality metrics and benchmarks related  
1546 to their patient populations. <sup>(Core)</sup>

1547  
1548 **VI.A.1.b).(3)** **Engagement in Quality Improvement Activities**

1549 ***Experiential learning is essential to developing the***  
1550 ***ability to identify and institute sustainable systems-***  
1551 ***based changes to improve patient care.***

1552  
1553  
1554 **VI.A.1.b).(3).(a)** Residents must have the opportunity to  
1555 participate in interprofessional quality  
1556 improvement activities. <sup>(Core)</sup>

1557  
1558 **VI.A.1.b).(3).(a).(i)** This should include activities aimed at  
1559 reducing health care disparities. <sup>(Detail)</sup>

1560  
1561 **VI.A.2.** **Supervision and Accountability**

1562  
1563 **VI.A.2.a)** ***Although the attending physician is ultimately responsible for***  
1564 ***the care of the patient, every physician shares in the***  
1565 ***responsibility and accountability for their efforts in the***  
1566 ***provision of care. Effective programs, in partnership with***  
1567 ***their Sponsoring Institutions, define, widely communicate,***  
1568 ***and monitor a structured chain of responsibility and***  
1569 ***accountability as it relates to the supervision of all patient***  
1570 ***care.***

1571  
1572 ***Supervision in the setting of graduate medical education***  
1573 ***provides safe and effective care to patients; ensures each***  
1574 ***resident's development of the skills, knowledge, and attitudes***  
1575 ***required to enter the unsupervised practice of medicine; and***  
1576 ***establishes a foundation for continued professional growth.***

1577  
1578 **VI.A.2.a).(1)** Each patient must have an identifiable and  
1579 appropriately-credentialed and privileged attending



1580 physician (or licensed independent practitioner as  
1581 specified by the applicable Review Committee) who is  
1582 responsible and accountable for the patient's care.  
1583 (Core)

1584  
1585 VI.A.2.a).(1).(a) This information must be available to residents,  
1586 faculty members, other members of the health  
1587 care team, and patients. (Core)

1588  
1589 VI.A.2.a).(1).(b) Residents and faculty members must inform  
1590 each patient of their respective roles in that  
1591 patient's care when providing direct patient  
1592 care. (Core)

1593  
1594 VI.A.2.b) *Supervision may be exercised through a variety of methods.*  
1595 *For many aspects of patient care, the supervising physician*  
1596 *may be a more advanced resident or fellow. Other portions of*  
1597 *care provided by the resident can be adequately supervised*  
1598 *by the immediate availability of the supervising faculty*  
1599 *member, fellow, or senior resident physician, either on site or*  
1600 *by means of telephonic and/or electronic modalities. Some*  
1601 *activities require the physical presence of the supervising*  
1602 *faculty member. In some circumstances, supervision may*  
1603 *include post-hoc review of resident-delivered care with*  
1604 *feedback.*

1605  
1606 VI.A.2.b).(1) The program must demonstrate that the appropriate  
1607 level of supervision in place for all residents is based  
1608 on each resident's level of training and ability, as well  
1609 as patient complexity and acuity. Supervision may be  
1610 exercised through a variety of methods, as appropriate  
1611 to the situation. (Core)

1612  
1613 VI.A.2.c) Levels of Supervision

1614  
1615 To promote oversight of resident supervision while providing  
1616 for graded authority and responsibility, the program must use  
1617 the following classification of supervision: (Core)

1618  
1619 VI.A.2.c).(1) Direct Supervision – the supervising physician is  
1620 physically present with the resident and patient. (Core)

1621  
1622 VI.A.2.c).(2) Indirect Supervision:

1623  
1624 VI.A.2.c).(2).(a) with Direct Supervision immediately available –  
1625 the supervising physician is physically within  
1626 the hospital or other site of patient care, and is  
1627 immediately available to provide Direct  
1628 Supervision. (Core)

1629  
1630 VI.A.2.c).(2).(b) with Direct Supervision available – the

1631		supervising physician is not physically present
1632		within the hospital or other site of patient care,
1633		but is immediately available by means of
1634		telephonic and/or electronic modalities, and is
1635		available to provide Direct Supervision. <sup>(Core)</sup>
1636		
1637	<b>VI.A.2.c).(3)</b>	<b>Oversight – the supervising physician is available to</b>
1638		<b>provide review of procedures/encounters with</b>
1639		<b>feedback provided after care is delivered. <sup>(Core)</sup></b>
1640		
1641	<b>VI.A.2.d)</b>	<b>The privilege of progressive authority and responsibility,</b>
1642		<b>conditional independence, and a supervisory role in patient</b>
1643		<b>care delegated to each resident must be assigned by the</b>
1644		<b>program director and faculty members. <sup>(Core)</sup></b>
1645		
1646	<b>VI.A.2.d).(1)</b>	<b>The program director must evaluate each resident’s</b>
1647		<b>abilities based on specific criteria, guided by the</b>
1648		<b>Milestones. <sup>(Core)</sup></b>
1649		
1650	<b>VI.A.2.d).(2)</b>	<b>Faculty members functioning as supervising</b>
1651		<b>physicians must delegate portions of care to residents</b>
1652		<b>based on the needs of the patient and the skills of</b>
1653		<b>each resident. <sup>(Core)</sup></b>
1654		
1655	<b>VI.A.2.d).(3)</b>	<b>Senior residents or fellows should serve in a</b>
1656		<b>supervisory role to junior residents in recognition of</b>
1657		<b>their progress toward independence, based on the</b>
1658		<b>needs of each patient and the skills of the individual</b>
1659		<b>resident or fellow. <sup>(Detail)</sup></b>
1660		
1661	<b>VI.A.2.e)</b>	<b>Programs must set guidelines for circumstances and events</b>
1662		<b>in which residents must communicate with the supervising</b>
1663		<b>faculty member(s). <sup>(Core)</sup></b>
1664		
1665	<b>VI.A.2.e).(1)</b>	<b>Each resident must know the limits of their scope of</b>
1666		<b>authority, and the circumstances under which the</b>
1667		<b>resident is permitted to act with conditional</b>
1668		<b>independence. <sup>(Outcome)</sup></b>
1669		
1670	<b>VI.A.2.e).(1).(a)</b>	<b>Initially, PGY-1 residents must be supervised</b>
1671		<b>either directly, or indirectly with direct</b>
1672		<b>supervision immediately available. <sup>(Core)</sup></b>
1673		
1674	<b>VI.A.2.f)</b>	<b>Faculty supervision assignments must be of sufficient</b>
1675		<b>duration to assess the knowledge and skills of each resident</b>
1676		<b>and to delegate to the resident the appropriate level of patient</b>
1677		<b>care authority and responsibility. <sup>(Core)</sup></b>
1678		
1679	<b>VI.B.</b>	<b>Professionalism</b>
1680		
1681	<b>VI.B.1.</b>	<b>Programs, in partnership with their Sponsoring Institutions, must</b>

- 1682 educate residents and faculty members concerning the professional  
1683 responsibilities of physicians, including their obligation to be  
1684 appropriately rested and fit to provide the care required by their  
1685 patients. <sup>(Core)</sup>  
1686
- 1687 **VI.B.2.** The learning objectives of the program must:  
1688
- 1689 **VI.B.2.a)** be accomplished through an appropriate blend of supervised  
1690 patient care responsibilities, clinical teaching, and didactic  
1691 educational events; <sup>(Core)</sup>  
1692
- 1693 **VI.B.2.b)** be accomplished without excessive reliance on residents to  
1694 fulfill non-physician obligations; and, <sup>(Core)</sup>  
1695
- 1696 **VI.B.2.c)** ensure manageable patient care responsibilities. <sup>(Core)</sup>  
1697
- 1698 **VI.B.3.** The program director, in partnership with the Sponsoring Institution,  
1699 must provide a culture of professionalism that supports patient  
1700 safety and personal responsibility. <sup>(Core)</sup>  
1701
- 1702 **VI.B.4.** Residents and faculty members must demonstrate an understanding  
1703 of their personal role in the:  
1704
- 1705 **VI.B.4.a)** provision of patient- and family-centered care; <sup>(Outcome)</sup>  
1706
- 1707 **VI.B.4.b)** safety and welfare of patients entrusted to their care,  
1708 including the ability to report unsafe conditions and adverse  
1709 events; <sup>(Outcome)</sup>  
1710
- 1711 **VI.B.4.c)** assurance of their fitness for work, including: <sup>(Outcome)</sup>  
1712
- 1713 **VI.B.4.c).(1)** management of their time before, during, and after  
1714 clinical assignments; and, <sup>(Outcome)</sup>  
1715
- 1716 **VI.B.4.c).(2)** recognition of impairment, including from illness,  
1717 fatigue, and substance use, in themselves, their peers,  
1718 and other members of the health care team. <sup>(Outcome)</sup>  
1719
- 1720 **VI.B.4.d)** commitment to lifelong learning; <sup>(Outcome)</sup>  
1721
- 1722 **VI.B.4.e)** monitoring of their patient care performance improvement  
1723 indicators; and, <sup>(Outcome)</sup>  
1724
- 1725 **VI.B.4.f)** accurate reporting of clinical and educational work hours,  
1726 patient outcomes, and clinical experience data. <sup>(Outcome)</sup>  
1727
- 1728 **VI.B.5.** All residents and faculty members must demonstrate  
1729 responsiveness to patient needs that supersedes self-interest. This  
1730 includes the recognition that under certain circumstances, the best  
1731 interests of the patient may be served by transitioning that patient's  
1732 care to another qualified and rested provider. <sup>(Outcome)</sup>  
1733

- 1733  
1734 **VI.B.6.** Programs must provide a professional, respectful, and civil  
1735 environment that is free from mistreatment, abuse, or coercion of  
1736 students, residents, faculty, and staff. Programs, in partnership with  
1737 their Sponsoring Institutions, should have a process for education  
1738 of residents and faculty regarding unprofessional behavior and a  
1739 confidential process for reporting, investigating, and addressing  
1740 such concerns. <sup>(Core)</sup>  
1741
- 1742 **VI.C.** Well-Being  
1743  
1744 *In the current health care environment, residents and faculty members are*  
1745 *at increased risk for burnout and depression. Psychological, emotional,*  
1746 *and physical well-being are critical in the development of the competent,*  
1747 *caring, and resilient physician. Self-care is an important component of*  
1748 *professionalism; it is also a skill that must be learned and nurtured in the*  
1749 *context of other aspects of residency training. Programs, in partnership*  
1750 *with their Sponsoring Institutions, have the same responsibility to address*  
1751 *well-being as they do to evaluate other aspects of resident competence.*  
1752
- 1753 **VI.C.1.** This responsibility must include:  
1754
- 1755 **VI.C.1.a)** efforts to enhance the meaning that each resident finds in the  
1756 experience of being a physician, including protecting time  
1757 with patients, minimizing non-physician obligations,  
1758 providing administrative support, promoting progressive  
1759 autonomy and flexibility, and enhancing professional  
1760 relationships; <sup>(Core)</sup>  
1761
- 1762 **VI.C.1.b)** attention to scheduling, work intensity, and work  
1763 compression that impacts resident well-being; <sup>(Core)</sup>  
1764
- 1765 **VI.C.1.c)** evaluating workplace safety data and addressing the safety of  
1766 residents and faculty members; <sup>(Core)</sup>  
1767
- 1768 **VI.C.1.d)** policies and programs that encourage optimal resident and  
1769 faculty member well-being; and, <sup>(Core)</sup>  
1770
- 1771 **VI.C.1.d).(1)** Residents must be given the opportunity to attend  
1772 medical, mental health, and dental care appointments,  
1773 including those scheduled during their working hours.  
1774 <sup>(Core)</sup>  
1775
- 1776 **VI.C.1.e)** attention to resident and faculty member burnout,  
1777 depression, and substance abuse. The program, in  
1778 partnership with its Sponsoring Institution, must educate  
1779 faculty members and residents in identification of the  
1780 symptoms of burnout, depression, and substance abuse,  
1781 including means to assist those who experience these  
1782 conditions. Residents and faculty members must also be  
1783 educated to recognize those symptoms in themselves and

1784		how to seek appropriate care. The program, in partnership
1785		with its Sponsoring Institution, must: <sup>(Core)</sup>
1786		
1787	<b>VI.C.1.e).(1)</b>	encourage residents and faculty members to alert the
1788		program director or other designated personnel or
1789		programs when they are concerned that another
1790		resident, fellow, or faculty member may be displaying
1791		signs of burnout, depression, substance abuse,
1792		suicidal ideation, or potential for violence; <sup>(Core)</sup>
1793		
1794	<b>VI.C.1.e).(2)</b>	provide access to appropriate tools for self-screening;
1795		and, <sup>(Core)</sup>
1796		
1797	<b>VI.C.1.e).(3)</b>	provide access to confidential, affordable mental
1798		health assessment, counseling, and treatment,
1799		including access to urgent and emergent care 24
1800		hours a day, seven days a week. <sup>(Core)</sup>
1801		
1802	<b>VI.C.2.</b>	There are circumstances in which residents may be unable to attend
1803		work, including but not limited to fatigue, illness, and family
1804		emergencies. Each program must have policies and procedures in
1805		place that ensure coverage of patient care in the event that a
1806		resident may be unable to perform their patient care responsibilities.
1807		These policies must be implemented without fear of negative
1808		consequences for the resident who is unable to provide the clinical
1809		work. <sup>(Core)</sup>
1810		
1811	<b>VI.D.</b>	<b>Fatigue Mitigation</b>
1812		
1813	<b>VI.D.1.</b>	<b>Programs must:</b>
1814		
1815	<b>VI.D.1.a)</b>	educate all faculty members and residents to recognize the
1816		signs of fatigue and sleep deprivation; <sup>(Core)</sup>
1817		
1818	<b>VI.D.1.b)</b>	educate all faculty members and residents in alertness
1819		management and fatigue mitigation processes; and, <sup>(Core)</sup>
1820		
1821	<b>VI.D.1.c)</b>	encourage residents to use fatigue mitigation processes to
1822		manage the potential negative effects of fatigue on patient
1823		care and learning. <sup>(Detail)</sup>
1824		
1825	<b>VI.D.2.</b>	Each program must ensure continuity of patient care, consistent
1826		with the program's policies and procedures referenced in VI.C.2, in
1827		the event that a resident may be unable to perform their patient care
1828		responsibilities due to excessive fatigue. <sup>(Core)</sup>
1829		
1830	<b>VI.D.3.</b>	The program, in partnership with its Sponsoring Institution, must
1831		ensure adequate sleep facilities and safe transportation options for
1832		residents who may be too fatigued to safely return home. <sup>(Core)</sup>
1833		
1834	<b>VI.E.</b>	<b>Clinical Responsibilities, Teamwork, and Transitions of Care</b>

1835		
1836	<b>VI.E.1.</b>	<b>Clinical Responsibilities</b>
1837		
1838		<b>The clinical responsibilities for each resident must be based on PGY</b>
1839		<b>level, patient safety, resident ability, severity and complexity of</b>
1840		<b>patient illness/condition, and available support services. <sup>(Core)</sup></b>
1841		
1842	<b>VI.E.2.</b>	<b>Teamwork</b>
1843		
1844		<b>Residents must care for patients in an environment that maximizes</b>
1845		<b>communication. This must include the opportunity to work as a</b>
1846		<b>member of effective interprofessional teams that are appropriate to</b>
1847		<b>the delivery of care in the specialty and larger health system. <sup>(Core)</sup></b>
1848		
1849	<b>VI.E.3.</b>	<b>Transitions of Care</b>
1850		
1851	<b>VI.E.3.a)</b>	<b>Programs must design clinical assignments to optimize</b>
1852		<b>transitions in patient care, including their safety, frequency,</b>
1853		<b>and structure. <sup>(Core)</sup></b>
1854		
1855	<b>VI.E.3.b)</b>	<b>Programs, in partnership with their Sponsoring Institutions,</b>
1856		<b>must ensure and monitor effective, structured hand-over</b>
1857		<b>processes to facilitate both continuity of care and patient</b>
1858		<b>safety. <sup>(Core)</sup></b>
1859		
1860	<b>VI.E.3.c)</b>	<b>Programs must ensure that residents are competent in</b>
1861		<b>communicating with team members in the hand-over process.</b>
1862		<b><sup>(Outcome)</sup></b>
1863		
1864	<b>VI.E.3.d)</b>	<b>Programs and clinical sites must maintain and communicate</b>
1865		<b>schedules of attending physicians and residents currently</b>
1866		<b>responsible for care. <sup>(Core)</sup></b>
1867		
1868	<b>VI.E.3.e)</b>	<b>Each program must ensure continuity of patient care,</b>
1869		<b>consistent with the program's policies and procedures</b>
1870		<b>referenced in VI.C.2, in the event that a resident may be</b>
1871		<b>unable to perform their patient care responsibilities due to</b>
1872		<b>excessive fatigue or illness, or family emergency. <sup>(Core)</sup></b>
1873		
1874	<b>VI.F.</b>	<b>Clinical Experience and Education</b>
1875		
1876		<b><i>Programs, in partnership with their Sponsoring Institutions, must design</i></b>
1877		<b><i>an effective program structure that is configured to provide residents with</i></b>
1878		<b><i>educational and clinical experience opportunities, as well as reasonable</i></b>
1879		<b><i>opportunities for rest and personal activities.</i></b>
1880		
1881	<b>VI.F.1.</b>	<b>Maximum Hours of Clinical and Educational Work per Week</b>
1882		
1883		<b>Clinical and educational work hours must be limited to no more than</b>
1884		<b>80 hours per week, averaged over a four-week period, inclusive of all</b>
1885		<b>in-house clinical and educational activities, clinical work done from</b>

1886		home, and all moonlighting. <sup>(Core)</sup>
1887		
1888		
1889	<b>VI.F.2.</b>	<b>Mandatory Time Free of Clinical Work and Education</b>
1890		
1891	<b>VI.F.2.a)</b>	<b>The program must design an effective program structure that is configured to provide residents with educational opportunities, as well as reasonable opportunities for rest and personal well-being. <sup>(Core)</sup></b>
1892		
1893		
1894		
1895		
1896	<b>VI.F.2.b)</b>	<b>Residents should have eight hours off between scheduled clinical work and education periods. <sup>(Detail)</sup></b>
1897		
1898		
1899	<b>VI.F.2.b).(1)</b>	<b>There may be circumstances when residents choose to stay to care for their patients or return to the hospital with fewer than eight hours free of clinical experience and education. This must occur within the context of the 80-hour and the one-day-off-in-seven requirements. <sup>(Detail)</sup></b>
1900		
1901		
1902		
1903		
1904		
1905		
1906		
1907	<b>VI.F.2.c)</b>	<b>Residents must have at least 14 hours free of clinical work and education after 24 hours of in-house call. <sup>(Core)</sup></b>
1908		
1909		
1910	<b>VI.F.2.d)</b>	<b>Residents 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. <sup>(Core)</sup></b>
1911		
1912		
1913		
1914		
1915	<b>VI.F.3.</b>	<b>Maximum Clinical Work and Education Period Length</b>
1916		
1917	<b>VI.F.3.a)</b>	<b>Clinical and educational work periods for residents must not exceed 24 hours of continuous scheduled clinical assignments. <sup>(Core)</sup></b>
1918		
1919		
1920		
1921	<b>VI.F.3.a).(1)</b>	<b>Up to four hours of additional time may be used for activities related to patient safety, such as providing effective transitions of care, and/or resident education. <sup>(Core)</sup></b>
1922		
1923		
1924		
1925		
1926	<b>VI.F.3.a).(1).(a)</b>	<b>Additional patient care responsibilities must not be assigned to a resident during this time. <sup>(Core)</sup></b>
1927		
1928		
1929	<b>VI.F.4.</b>	<b>Clinical and Educational Work Hour Exceptions</b>
1930		
1931	<b>VI.F.4.a)</b>	<b>In rare circumstances, after handing off all other responsibilities, a resident, on their own initiative, may elect to remain or return to the clinical site in the following circumstances:</b>
1932		
1933		
1934		
1935		
1936	<b>VI.F.4.a).(1)</b>	<b>to continue to provide care to a single severely ill or</b>

1937		<b>unstable patient;</b> <sup>(Detail)</sup>
1938		
1939	<b>VI.F.4.a).(2)</b>	<b>humanistic attention to the needs of a patient or family; or,</b> <sup>(Detail)</sup>
1940		
1941		
1942	<b>VI.F.4.a).(3)</b>	<b>to attend unique educational events.</b> <sup>(Detail)</sup>
1943		
1944	<b>VI.F.4.b)</b>	<b>These additional hours of care or education will be counted toward the 80-hour weekly limit.</b> <sup>(Detail)</sup>
1945		
1946		
1947	<b>VI.F.4.c)</b>	<b>A Review Committee may grant rotation-specific exceptions for up to 10 percent or a maximum of 88 clinical and educational work hours to individual programs based on a sound educational rationale.</b>
1948		
1949		
1950		
1951		
1952		The Review Committee for Anesthesiology will not consider requests for exceptions to the 80-hour limit to the residents' work week.
1953		
1954		
1955		
1956	<b>VI.F.4.c).(1)</b>	<b>In preparing a request for an exception, the program director must follow the clinical and educational work hour exception policy from the <i>ACGME Manual of Policies and Procedures.</i></b> <sup>(Core)</sup>
1957		
1958		
1959		
1960		
1961	<b>VI.F.4.c).(2)</b>	<b>Prior to submitting the request to the Review Committee, the program director must obtain approval from the Sponsoring Institution's GMEC and DIO.</b> <sup>(Core)</sup>
1962		
1963		
1964		
1965	<b>VI.F.5.</b>	<b>Moonlighting</b>
1966		
1967	<b>VI.F.5.a)</b>	<b>Moonlighting must not interfere with the ability of the resident to achieve the goals and objectives of the educational program, and must not interfere with the resident's fitness for work nor compromise patient safety.</b> <sup>(Core)</sup>
1968		
1969		
1970		
1971		
1972	<b>VI.F.5.b)</b>	<b>Time spent by residents in internal and external moonlighting (as defined in the <i>ACGME Glossary of Terms</i>) must be counted toward the 80-hour maximum weekly limit.</b> <sup>(Core)</sup>
1973		
1974		
1975		
1976	<b>VI.F.5.c)</b>	<b>PGY-1 residents are not permitted to moonlight.</b> <sup>(Core)</sup>
1977		
1978	<b>VI.F.6.</b>	<b>In-House Night Float</b>
1979		
1980		<b>Night float must occur within the context of the 80-hour and one-day-off-in-seven requirements.</b> <sup>(Core)</sup>
1981		
1982		
1983	<b>VI.F.7.</b>	<b>Maximum In-House On-Call Frequency</b>
1984		
1985		<b>Residents must be scheduled for in-house call no more frequently than every third night (when averaged over a four-week period).</b> <sup>(Core)</sup>
1986		
1987		



1988	<b>VI.F.8.</b>	<b>At-Home Call</b>
1989		
1990	<b>VI.F.8.a)</b>	<b>Time spent on patient care activities by residents on at-home call must count toward the 80-hour maximum weekly limit.</b>
1991		
1992		<b>The frequency of at-home call is not subject to the every-</b>
1993		<b>third-night limitation, but must satisfy the requirement for one</b>
1994		<b>day in seven free of clinical work and education, when</b>
1995		<b>averaged over four weeks. <sup>(Core)</sup></b>
1996		
1997	<b>VI.F.8.a).(1)</b>	<b>At-home call must not be so frequent or taxing as to</b>
1998		<b>preclude rest or reasonable personal time for each</b>
1999		<b>resident. <sup>(Core)</sup></b>
2000		
2001	<b>VI.F.8.b)</b>	<b>Residents are permitted to return to the hospital while on at-</b>
2002		<b>home call to provide direct care for new or established</b>
2003		<b>patients. These hours of inpatient patient care must be</b>
2004		<b>included in the 80-hour maximum weekly limit. <sup>(Detail)</sup></b>
2005		
2006		***
2007		
2008		<b>*Core Requirements:</b> Statements that define structure, resource, or process elements essential to every
2009		graduate medical educational program.
2010		<b>Detail Requirements:</b> Statements that describe a specific structure, resource, or process, for achieving
2011		compliance with a Core Requirement. Programs and sponsoring institutions in substantial compliance
2012		with the Outcome Requirements may utilize alternative or innovative approaches to meet Core
2013		Requirements.
2014		<b>Outcome Requirements:</b> Statements that specify expected measurable or observable attributes
2015		(knowledge, abilities, skills, or attitudes) of residents or fellows at key stages of their graduate medical
2016		education.
2017		
2018		<b>Osteopathic Recognition</b>
2019		For programs seeking Osteopathic Recognition for the entire program, or for a track within the program,
2020		the Osteopathic Recognition Requirements are also applicable.
2021		<a href="http://www.acgme.org/Portals/0/PFAssets/ProgramRequirements/Osteopathic_Recognition_Requirements.pdf">http://www.acgme.org/Portals/0/PFAssets/ProgramRequirements/Osteopathic_Recognition_Requirements.pdf</a>
2022		