

Graduate Medical Education, 2010-2011

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THE AMERICAN MEDICAL ASSOCIATION (AMA) and the Association of American Medical Colleges (AAMC) jointly maintain a database of information on graduate medical education (GME) training programs accredited by the Accreditation Council for Graduate Medical Education (ACGME) and of the residents and fellows in them. In the spring this database of residents has added to it the approximately 21 000 new residents who match into programs through the National Resident Matching Program and new residents who did not match, the latter information collected through the AAMC's follow-up report of US medical schools. The AMA and the AAMC also jointly administer the annual National GME Census through GME Track, an Internet-based AAMC product. From May until December 2010 all directors of programs accredited by the ACGME were asked to complete the census on GME Track. Information about the training programs supplied by the program directors is

added to FREIDA Online, an Internet-based public information source on GME programs available to medical students and resident physicians. In July 2010 program directors were surveyed about their active, transferred, and graduated residents and fellows for academic year 2010-2011. Program directors were provided with lists of residents and fellows from the current database and were asked to (1) confirm or modify the training status of trainees who were present in their programs the prior year; (2) add new physicians to their program who were not already in our database; and (3) confirm, edit, or add demographic information on all trainees. This demographic information includes sex, birthdate, country of birth, citizenship status, and race/ethnicity.

We surveyed 8967 active programs, of which 8277 (92.3%) completed the program survey and 7601 (84.8%) confirmed the status of all of their active physicians-in-training, accounting for 104 791 (93.9%) active trainees. An additional 138 programs (1.5%) confirmed some but not all of their trainees (3488 trainees, 3.1%), 200 confirmed that they did not

have any trainees (2.2%), 316 programs (3.5%) confirmed the status of non-active trainees (graduates and transfers) but did not have any currently active trainees, and 712 programs (7.9%) did not confirm the status of any physician training in the program (including 480 programs that apparently did not have any active trainees). A total of 95.3% of all physicians in our database had their status confirmed (eg, active, graduated, transferred, withdrawn). Physicians whose status was not confirmed were "advanced" into the next year of training (n=3347 [3.0% of active residents]) or "graduated" based on expected graduation date (n=1882 [4.9% of graduated residents and fellows]). In total, we estimate that there were 111 586 active residents in ACGME-accredited programs during the 2010-2011 academic year.

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Appendix II, Table 1. ACGME-Accredited and Combined Specialty GME Programs and Resident Physicians According to Medical School of Graduation and Specialty and Subspecialty, 2005-2011

	No. (%)					
	2005-2006	2006-2007	2007-2008	2008-2009	2009-2010	2010-2011
No. of programs	8403	8502	8589	8694	8873	8967
No. of residents						
Total	103 106	104 879	106 012	108 176	109 840	111 586
GY1	24 732	24 772	25 171	25 848	26 219	26 386
GY1 residents with no prior GME	23 325	23 587	23 759	24 560	25 075	25 292
Medical school of graduation						
USMDs	68 578 (66.5)	69 721 (66.5)	70 056 (66.1)	71 119 (65.7)	71 871 (65.4)	72 840 (65.3)
IMGs	27 636 (26.8)	28 176 (26.9)	28 824 (27.2)	29 488 (27.3)	30 068 (27.4)	30 441 (27.3)
DOs	6474 (6.3)	6629 (6.3)	6784 (6.4)	7237 (6.7)	7628 (6.9)	8066 (7.2)
Canadian	386 (0.4)	353 (0.3)	341 (0.3)	326 (0.3)	273 (0.2)	239 (0.2)
Unknown/other	5 (<0.1)	0	7 (<0.1)	6 (<0.1)	0	0
Specialties						
Programs	4149 (49.4)	4134 (48.6)	4119 (48.0)	4100 (47.2)	4128 (46.5)	4131 (46.1)
Residents	88 241 (85.6)	89 269 (85.1)	89 618 (84.5)	90 907 (84.0)	91 963 (83.7)	93 153 (83.5)
Subspecialties						
Programs	4254 (50.6)	4368 (51.4)	4470 (52.0)	4594 (52.8)	4745 (53.5)	4836 (53.9)
Residents	14 865 (14.4)	15 610 (14.9)	16 394 (15.5)	17 269 (16.0)	17 877 (16.3)	18 433 (16.5)

Abbreviations: ACGME, Accreditation Council for Graduate Medical Education; DO, doctor of osteopathy; GME, graduate medical education; GY1, graduate year 1, the first year of education beyond medical school for which prior GME is not required; IMG, international medical graduate; USMD, US allopathic medical school graduate.

Appendix II, Table 2. Resident Physicians on Duty in ACGME-Accredited and in Combined Specialty GME Programs December 31, 2010

Specialty/subspecialty	Total No. of Programs ^a	Resident Physicians, No. (%) ^b					
		Total	Female	USMDs	IMGs	Canadian	Osteopathic
Allergy and immunology	73	293 (0.3)	182 (62.1)	232 (79.2)	46 (15.7)	1 (0.3)	14 (4.8)
Anesthesiology	131	5443 (4.9)	2023 (37.2)	4314 (79.3)	680 (12.5)	9 (0.2)	440 (8.1)
Adult cardiothoracic anesthesiology	49	106 (0.1)	31 (29.2)	76 (71.7)	21 (19.8)	2 (1.9)	7 (6.6)
Critical care medicine	48	79 (0.1)	29 (36.7)	56 (70.9)	17 (21.5)	0	6 (7.6)
Pediatric anesthesiology	46	162 (0.1)	81 (50.0)	136 (84.0)	19 (11.7)	0	7 (4.3)
Colon and rectal surgery	52	78 (0.1)	25 (32.1)	58 (74.4)	15 (19.2)	2 (2.6)	3 (3.8)
Dermatology	114	1140 (1.0)	726 (63.7)	1082 (94.9)	42 (3.7)	1 (0.1)	15 (1.3)
Dermatopathology	54	67 (0.1)	28 (41.8)	58 (86.6)	8 (11.9)	0	1 (1.5)
Procedural dermatology	44	32 (<0.1)	10 (31.3)	30 (93.8)	2 (6.3)	0	0
Emergency medicine	155	5119 (4.6)	2060 (40.2)	4146 (81.0)	379 (7.4)	6 (0.1)	588 (11.5)
Medical toxicology	24	41 (<0.1)	17 (41.5)	31 (75.6)	3 (7.3)	0	7 (17.1)
Pediatric emergency medicine	21	57 (0.1)	39 (68.4)	37 (64.9)	13 (22.8)	1 (1.8)	6 (10.5)
Sports medicine	5	7 (<0.1)	2 (28.6)	5 (71.4)	1 (14.3)	0	1 (14.3)
Undersea and hyperbaric medicine	6	7 (<0.1)	1 (14.3)	4 (57.1)	2 (28.6)	0	1 (14.3)
Family medicine	451	9583 (8.6)	5305 (55.4)	4232 (44.2)	3748 (39.1)	6 (0.1)	1597 (16.7)
Geriatric medicine	45	64 (0.1)	36 (56.3)	15 (23.4)	44 (68.8)	0	5 (7.8)
Sports medicine	109	156 (0.1)	47 (30.1)	100 (64.1)	30 (19.2)	1 (0.6)	25 (16.0)
Hospice and palliative medicine ^c	72	108 (0.1)	70 (64.8)	63 (58.3)	34 (31.5)	1 (0.9)	10 (9.3)
Internal medicine	380	22 415 (20.1)	10 028 (44.7)	10 953 (48.9)	10 005 (44.6)	29 (0.1)	1428 (6.4)
Cardiovascular disease	184	2437 (2.2)	542 (22.2)	1444 (59.3)	894 (36.7)	7 (0.3)	92 (3.8)
Clinical cardiac electrophysiology	98	171 (0.2)	23 (13.5)	105 (61.4)	57 (33.3)	2 (1.2)	7 (4.1)
Critical care medicine	32	185 (0.2)	49 (26.5)	37 (20.0)	128 (69.2)	5 (2.7)	15 (8.1)
Endocrinology, diabetes, and metabolism	127	586 (0.5)	392 (66.9)	284 (48.5)	276 (47.1)	1 (0.2)	25 (4.3)
Gastroenterology	155	1348 (1.2)	430 (31.9)	872 (64.7)	411 (30.5)	5 (0.4)	60 (4.5)
Geriatric medicine	104	237 (0.2)	135 (57.0)	60 (25.3)	164 (69.2)	2 (0.8)	11 (4.6)
Hematology	5	43 (<0.1)	15 (34.9)	23 (53.5)	18 (41.9)	0	2 (4.7)
Hematology and oncology	132	1462 (1.3)	664 (45.4)	783 (53.6)	620 (42.4)	7 (0.5)	52 (3.6)
Infectious disease	144	788 (0.7)	445 (56.5)	409 (51.9)	331 (42.0)	7 (0.9)	41 (5.2)
Interventional cardiology	135	239 (0.2)	21 (8.8)	124 (51.9)	99 (41.4)	4 (1.7)	12 (5.0)
Nephrology	141	911 (0.8)	337 (37.0)	331 (36.3)	539 (59.2)	4 (0.4)	37 (4.1)
Oncology	14	102 (0.1)	40 (39.2)	46 (45.1)	52 (51.0)	0	4 (3.9)
Pulmonary disease	20	77 (0.1)	20 (26.0)	5 (6.5)	72 (93.5)	0	0
Pulmonary disease and critical care medicine	134	1339 (1.2)	430 (32.1)	677 (50.6)	574 (42.9)	4 (0.3)	84 (6.3)
Rheumatology	108	423 (0.4)	278 (65.7)	214 (50.6)	182 (43.0)	1 (0.2)	26 (6.1)
Transplant hepatology	29	16 (<0.1)	8 (50.0)	13 (81.3)	3 (18.8)	0	0
Medical genetics	51	84 (0.1)	51 (60.7)	45 (53.6)	35 (41.7)	0	4 (4.8)
Medical biochemical genetics	6	2 (<0.1)	0	0	2 (100.0)	0	0
Molecular genetic pathology	31	33 (<0.1)	15 (45.5)	17 (51.5)	15 (45.5)	0	1 (3.0)
Neurological surgery	101	1140 (1.0)	158 (13.9)	1014 (88.9)	120 (10.5)	1 (0.1)	5 (0.4)
Endovascular surgical neuroradiology	2	4 (<0.1)	0	2 (50.0)	1 (25.0)	1 (25.0)	0
Neurology	126	1928 (1.7)	881 (45.7)	1067 (55.3)	706 (36.6)	2 (0.1)	153 (7.9)
Child neurology	68	258 (0.2)	163 (63.2)	164 (63.6)	79 (30.6)	0	15 (5.8)
Clinical neurophysiology	92	197 (0.2)	100 (50.8)	97 (49.2)	81 (41.1)	4 (2.0)	15 (7.6)
Endovascular surgical neuroradiology	1	2 (<0.1)	0	0	2 (100.0)	0	0
Neurodevelopmental disabilities	9	19 (<0.1)	17 (89.5)	18 (94.7)	1 (5.3)	0	0
Neuromuscular medicine	26	24 (<0.1)	14 (58.3)	13 (54.2)	9 (37.5)	1 (4.2)	1 (4.2)
Vascular neurology	67	56 (0.1)	16 (28.6)	29 (51.8)	26 (46.4)	0	1 (1.8)
Nuclear medicine	54	141 (0.1)	56 (39.7)	49 (34.8)	87 (61.7)	0	5 (3.5)
Obstetrics and gynecology	243	4884 (4.4)	3974 (81.4)	3636 (74.4)	781 (16.0)	3 (0.1)	464 (9.5)
Ophthalmology	117	1268 (1.1)	527 (41.6)	1174 (92.6)	82 (6.5)	1 (0.1)	11 (0.9)
Ophthalmic plastic and reconstructive surgery	1	0	0	0	0	0	0
Orthopedic surgery	152	3412 (3.1)	449 (13.2)	3279 (96.1)	98 (2.9)	0	35 (1.0)
Adult reconstructive orthopedics	21	31 (<0.1)	2 (6.5)	19 (61.3)	10 (32.3)	0	2 (6.5)

(continued)

Appendix II, Table 2. Resident Physicians on Duty in ACGME-Accredited and in Combined Specialty GME Programs December 31, 2010 (continued)

Specialty/subspecialty	Total No. of Programs ^a	Resident Physicians, No. (%) ^b					
		Total	Female	USMDs	IMGs	Canadian	Osteopathic
Orthopedic surgery (continued)							
Foot and ankle orthopedics	10	12 (<0.1)	3 (25.0)	10 (83.3)	1 (8.3)	1 (8.3)	0
Hand surgery	58	116 (0.1)	23 (19.8)	94 (81.0)	11 (9.5)	1 (0.9)	10 (8.6)
Musculoskeletal oncology	11	8 (<0.1)	1 (12.5)	4 (50.0)	4 (50.0)	0	0
Orthopedic sports medicine	98	148 (0.1)	14 (9.5)	126 (85.1)	9 (6.1)	3 (2.0)	10 (6.8)
Orthopedic surgery of the spine	17	31 (<0.1)	2 (6.5)	16 (51.6)	12 (38.7)	2 (6.5)	1 (3.2)
Orthopedic trauma	11	17 (<0.1)	4 (23.5)	14 (82.4)	2 (11.8)	0	1 (5.9)
Pediatric orthopedics	22	30 (<0.1)	9 (30.0)	22 (73.3)	4 (13.3)	2 (6.7)	2 (6.7)
Otolaryngology	103	1424 (1.3)	465 (32.7)	1381 (97.0)	37 (2.6)	3 (0.2)	3 (0.2)
Neurotology	16	21 (<0.1)	6 (28.6)	18 (85.7)	3 (14.3)	0	0
Pediatric otolaryngology	9	16 (<0.1)	7 (43.8)	15 (93.8)	0	1 (6.3)	0
Pain medicine ^d	91	229 (0.2)	52 (22.7)	147 (64.2)	49 (21.4)	0	33 (14.4)
Pathology—atomic and clinical	147	2355 (2.1)	1266 (53.8)	1465 (62.2)	737 (31.3)	1 (<0.1)	152 (6.5)
Blood banking/transfusion medicine	46	37 (<0.1)	17 (45.9)	22 (59.5)	12 (32.4)	1 (2.7)	2 (5.4)
Chemical pathology	2	1 (<0.1)	1 (100.0)	1 (100.0)	0	0	0
Cytopathology	90	117 (0.1)	68 (58.1)	64 (54.7)	46 (39.3)	0	7 (6.0)
Forensic pathology	37	35 (<0.1)	18 (51.4)	26 (74.3)	6 (17.1)	0	3 (8.6)
Hematology	82	110 (0.1)	49 (44.5)	61 (55.5)	43 (39.1)	0	6 (5.5)
Medical microbiology	12	8 (<0.1)	3 (37.5)	5 (62.5)	3 (37.5)	0	0
Neuropathology	34	36 (<0.1)	16 (44.4)	23 (63.9)	13 (36.1)	0	0
Pediatric pathology	25	15 (<0.1)	9 (60.0)	8 (53.3)	4 (26.7)	1 (6.7)	2 (13.3)
Selective pathology	63	104 (0.1)	63 (60.6)	52 (50.0)	48 (46.2)	0	4 (3.8)
Pediatrics	198	8140 (7.3)	5914 (72.7)	5417 (66.5)	1949 (23.9)	14 (0.2)	760 (9.3)
Adolescent medicine	26	62 (0.1)	54 (87.1)	43 (69.4)	15 (24.2)	0	4 (6.5)
Developmental-behavioral pediatrics	34	81 (0.1)	64 (79.0)	59 (72.8)	14 (17.3)	0	8 (9.9)
Neonatal-perinatal medicine	97	622 (0.6)	404 (65.0)	347 (55.8)	243 (39.1)	0	32 (5.1)
Pediatric cardiology	54	380 (0.3)	154 (40.5)	268 (70.5)	92 (24.2)	6 (1.6)	14 (3.7)
Pediatric critical care medicine	63	387 (0.3)	197 (50.9)	243 (62.8)	119 (30.7)	3 (0.8)	22 (5.7)
Pediatric emergency medicine	49	302 (0.3)	189 (62.6)	232 (76.8)	43 (14.2)	5 (1.7)	22 (7.3)
Pediatric endocrinology	67	231 (0.2)	197 (85.3)	153 (66.2)	66 (28.6)	1 (0.4)	11 (4.8)
Pediatric gastroenterology	55	240 (0.2)	145 (60.4)	150 (62.5)	70 (29.2)	1 (0.4)	19 (7.9)
Pediatric hematology/oncology	67	404 (0.4)	249 (61.6)	258 (63.9)	127 (31.4)	1 (0.2)	18 (4.5)
Pediatric infectious diseases	62	171 (0.2)	113 (66.1)	120 (70.2)	42 (24.6)	2 (1.2)	7 (4.1)
Pediatric nephrology	39	124 (0.1)	82 (66.1)	70 (56.5)	52 (41.9)	0	2 (1.6)
Pediatric pulmonology	49	138 (0.1)	88 (63.8)	73 (52.9)	50 (36.2)	4 (2.9)	11 (8.0)
Pediatric rheumatology	30	78 (0.1)	54 (69.2)	49 (62.8)	24 (30.8)	1 (1.3)	4 (5.1)
Pediatric sports medicine	9	14 (<0.1)	7 (50.0)	9 (64.3)	1 (7.1)	0	4 (28.6)
Pediatric transplant hepatology	5	1 (<0.1)	0	1 (100.0)	0	0	0
Physical medicine and rehabilitation	77	1228 (1.1)	498 (40.6)	675 (55.0)	236 (19.2)	1 (0.1)	316 (25.7)
Pediatric rehabilitation medicine	14	13 (<0.1)	11 (84.6)	8 (61.5)	0	0	5 (38.5)
Spinal cord injury medicine	18	11 (<0.1)	3 (27.3)	6 (54.5)	4 (36.4)	0	1 (9.1)
Sports medicine	8	6 (<0.1)	3 (50.0)	6 (100.0)	0	0	0
Plastic surgery	71	345 (0.3)	80 (23.2)	297 (86.1)	41 (11.9)	1 (0.3)	6 (1.7)
Craniofacial surgery	4	3 (<0.1)	0	2 (66.7)	0	1 (33.3)	0
Hand surgery	14	15 (<0.1)	2 (13.3)	9 (60.0)	4 (26.7)	2 (13.3)	0
Plastic surgery—integrated ^e	31	364 (0.3)	110 (30.2)	350 (96.2)	12 (3.3)	1 (0.3)	1 (0.3)
Preventive medicine	72	250 (0.2)	143 (57.2)	177 (70.8)	41 (16.4)	1 (0.4)	31 (12.4)
Medical toxicology	2	6 (<0.1)	2 (33.3)	6 (100.0)	0	0	0
Undersea and hyperbaric medicine	2	2 (<0.1)	1 (50.0)	0	0	2 (100.0)	0
Psychiatry	182	4865 (4.4)	2662 (54.7)	2784 (57.2)	1615 (33.2)	6 (0.1)	460 (9.5)
Addiction psychiatry	44	55 (<0.1)	18 (32.7)	28 (50.9)	20 (36.4)	1 (1.8)	6 (10.9)
Child and adolescent psychiatry	123	768 (0.7)	466 (60.7)	460 (59.9)	241 (31.4)	4 (0.5)	63 (8.2)
Forensic psychiatry	40	69 (0.1)	34 (49.3)	49 (71.0)	13 (18.8)	3 (4.3)	4 (5.8)
Geriatric psychiatry	55	41 (<0.1)	25 (61.0)	15 (36.6)	21 (51.2)	2 (4.9)	3 (7.3)
Psychosomatic medicine	50	47 (<0.1)	31 (66.0)	30 (63.8)	13 (27.7)	1 (2.1)	3 (6.4)

(continued)

Appendix II, Table 2. Resident Physicians on Duty in ACGME-Accredited and in Combined Specialty GME Programs December 31, 2010 (continued)

Specialty/subspecialty	Total No. of Programs ^a	Resident Physicians, No. (%) ^b					
		Total	Female	USMDs	IMGs	Canadian	Osteopathic
Radiation oncology	85	603 (0.5)	201 (33.3)	579 (96.0)	18 (3.0)	0	6 (1.0)
Radiology—diagnostic	187	4531 (4.1)	1260 (27.8)	3982 (87.9)	363 (8.0)	10 (0.2)	176 (3.9)
Abdominal radiology	10	36 (<0.1)	14 (38.9)	24 (66.7)	9 (25.0)	1 (2.8)	2 (5.6)
Cardiothoracic radiology	1	1 (<0.1)	1 (100.0)	1 (100.0)	0	0	0
Endovascular surgical neuroradiology	3	5 (<0.1)	0	2 (40.0)	3 (60.0)	0	0
Musculoskeletal radiology	14	24 (<0.1)	4 (16.7)	17 (70.8)	3 (12.5)	0	4 (16.7)
Neuroradiology	87	234 (0.2)	58 (24.8)	167 (71.4)	55 (23.5)	1 (0.4)	11 (4.7)
Nuclear radiology	20	14 (<0.1)	5 (35.7)	8 (57.1)	6 (42.9)	0	0 (0.0)
Pediatric radiology	46	67 (0.1)	34 (50.7)	35 (52.2)	29 (43.3)	2 (3.0)	1 (1.5)
Vascular and interventional radiology	91	180 (0.2)	22 (12.2)	126 (70.0)	47 (26.1)	2 (1.1)	5 (2.8)
Sleep medicine ^f	69	119 (0.1)	44 (37.0)	51 (42.9)	63 (52.9)	0	5 (4.2)
Surgery—general	247	7671 (6.9)	2778 (36.2)	6094 (79.4)	1364 (17.8)	7 (0.1)	206 (2.7)
Hand surgery	1	8 (<0.1)	3 (37.5)	7 (87.5)	0	1 (12.5)	0
Pediatric surgery	38	71 (0.1)	31 (43.7)	64 (90.1)	5 (7.0)	1 (1.4)	1 (1.4)
Surgical critical care	96	168 (0.2)	52 (31.0)	121 (72.0)	31 (18.5)	3 (1.8)	13 (7.7)
Vascular surgery	101	244 (0.2)	46 (18.9)	180 (73.8)	48 (19.7)	5 (2.0)	11 (4.5)
Vascular surgery—integrated ^e	27	64 (0.1)	20 (31.3)	55 (85.9)	9 (14.1)	0	0
Thoracic surgery	70	223 (0.2)	39 (17.5)	160 (71.7)	55 (24.7)	1 (0.4)	7 (3.1)
Congenital cardiac surgery	10	2 (<0.1)	1 (50.0)	2 (100.0)	0	0	0
Thoracic surgery—integrated ^e	10	23 (<0.1)	6 (26.1)	18 (78.3)	4 (17.4)	0	1 (4.3)
Urology	122	1069 (1.0)	248 (23.2)	1018 (95.2)	42 (3.9)	1 (0.1)	8 (0.7)
Pediatric urology	26	22 (<0.1)	9 (40.9)	15 (68.2)	4 (18.2)	2 (9.1)	1 (4.5)
Transitional year	114	1085 (1.0)	401 (37.0)	942 (86.8)	97 (8.9)	0	46 (4.2)
Combined specialties							
Emergency medicine/family medicine	2	10 (<0.1)	4 (40.0)	5 (50.0)	2 (20.0)	0	3 (30.0)
Family medicine/preventive medicine	1	16 (<0.1)	11 (68.8)	10 (62.5)	5 (31.3)	0	1 (6.3)
Internal medicine/dermatology	8	29 (<0.1)	20 (69.0)	29 (100.0)	0	0	0
Internal medicine/emergency medicine	12	109 (0.1)	41 (37.6)	88 (80.7)	11 (10.1)	0	10 (9.2)
Internal medicine/emergency medicine/critical care medicine	3	7 (<0.1)	2 (28.6)	7 (100.0)	0	0	0
Internal medicine/family medicine	2	22 (<0.1)	10 (45.5)	17 (77.3)	2 (9.1)	0	3 (13.6)
Internal medicine/medical genetics	4	8 (<0.1)	5 (62.5)	4 (50.0)	4 (50.0)	0	0
Internal medicine/neurology	3	8 (<0.1)	4 (50.0)	7 (87.5)	0	0	1 (12.5)
Internal medicine/pediatrics	80	1419 (1.3)	802 (56.5)	1095 (77.2)	215 (15.2)	1 (0.1)	108 (7.6)
Internal medicine/preventive medicine	8	29 (<0.1)	17 (58.6)	12 (41.4)	16 (55.2)	0	1 (3.4)
Internal medicine/psychiatry	12	97 (0.1)	42 (43.3)	58 (59.8)	32 (33.0)	0	7 (7.2)
Neurology/diagnostic radiology/neuroradiology	1	0	0	0	0	0	0
Pediatrics/anesthesiology	4	0	0	0	0	0	0
Pediatrics/dermatology	1	2 (<0.1)	2 (100.0)	2 (100.0)	0	0	0
Pediatrics/emergency medicine	3	31 (<0.1)	18 (58.1)	27 (87.1)	2 (6.5)	0	2 (6.5)
Pediatrics/medical genetics	14	25 (<0.1)	19 (76.0)	18 (72.0)	7 (28.0)	0	0
Pediatrics/physical medicine and rehabilitation	5	18 (<0.1)	13 (72.2)	17 (94.4)	0	0	1 (5.6)
Pediatrics/psychiatry/child and adolescent psychiatry	10	90 (0.1)	66 (73.3)	78 (86.7)	8 (8.9)	0	4 (4.4)
Psychiatry/family medicine	8	49 (<0.1)	29 (59.2)	39 (79.6)	4 (8.2)	0	6 (12.2)
Psychiatry/neurology	7	16 (<0.1)	5 (31.3)	13 (81.3)	2 (12.5)	0	1 (6.3)
Total	8967	111 586 (100.0)	51 475 (46.1)	72 840 (65.3)	30 441 (27.3)	239 (0.2)	8066 (7.2)

Abbreviations: GME, graduate medical education; IMGs, international medical graduates; USMDs, US allopathic medical graduates.

^aTotal number of US GME programs accredited by the ACGME and combined specialty programs, as of December 31, 2010, surveyed by National GME Census during 2010.

^bIncludes resident physicians on duty as of December 31, 2010, reported through the 2010 National GME Census. A total of 232 programs (2.6%) did not provide updated information on residents by March 1, 2011. For these nonresponding programs, resident physicians reported from the last received survey were moved into their next year in the program or graduated, and new residents were added from the 2010 National Resident Matching Program when available.

^cHospice and palliative medicine is a subspecialty of anesthesiology, emergency medicine, family medicine, internal medicine, neurology, obstetrics and gynecology, pediatrics, physical medicine and rehabilitation, psychiatry, radiology, or surgery.

^dPain medicine is a subspecialty of anesthesiology, neurology, physical medicine and rehabilitation, or psychiatry.

^eIntegrated programs differ from subspecialty programs in that they include core surgical education.

^fSleep medicine is a subspecialty of family medicine, internal medicine, neurology, otolaryngology, pediatrics, or psychiatry.

Appendix II, Table 3. Total Number of Resident Physicians and Resident Physicians in Program Year 1 Positions and in Graduate Year 1 Positions on Duty December 31, 2010, in ACGME-Accredited Programs and in Combined Specialty Programs

Specialty/subspecialty	Total No. of Residents ^a	No. of Residents in Program Year 1 Positions ^b	No. of Residents in Graduate Year 1 Positions With Prior US GME ^c	No. of Residents in Graduate Year 1 Positions Without Prior US GME ^c
Allergy and immunology	293	132	0	0
Anesthesiology	5443	1489	273	802
Adult cardiothoracic anesthesiology	106	106	0	0
Critical care medicine	79	79	0	0
Pediatric anesthesiology	162	162	0	0
Colon and rectal surgery	78	78	0	0
Dermatology	1140	364	7	9
Dermatopathology	67	66	0	0
Procedural dermatology	32	30	0	0
Emergency medicine	5119	1669	119	1523
Medical toxicology	41	18	0	0
Pediatric emergency medicine	57	25	0	0
Sports medicine	7	7	0	0
Undersea and hyperbaric medicine	7	7	0	0
Family medicine	9583	3270	162	3108
Geriatric medicine	64	64	0	0
Sports medicine	156	156	0	0
Hospice and palliative medicine ^d	108	108	0	0
Internal medicine	22 415	8820	161	8659
Cardiovascular disease	2437	779	0	0
Clinical cardiac electrophysiology	171	129	0	0
Critical care medicine	185	121	0	0
Endocrinology, diabetes, and metabolism	586	258	0	0
Gastroenterology	1348	454	0	0
Geriatric medicine	237	215	0	0
Hematology	43	20	0	0
Hematology and oncology	1462	497	0	0
Infectious disease	788	350	0	0
Interventional cardiology	239	229	0	0
Nephrology	911	419	0	0
Oncology	102	40	0	0
Pulmonary disease	77	34	0	0
Pulmonary disease and critical care medicine	1339	449	0	0
Rheumatology	423	198	0	0
Transplant hepatology	16	16	0	0
Medical genetics	84	31	0	0
Medical biochemical genetics	2	2	0	0
Molecular genetic pathology	33	31	0	0
Neurological surgery	1140	191	13	178
Endovascular surgical neuroradiology	4	4	0	0
Neurology	1928	576	18	185
Child neurology	258	80	0	0
Clinical neurophysiology	197	193	0	0
Endovascular surgical neuroradiology	2	2	0	0
Neurodevelopmental disabilities	19	8	0	0
Neuromuscular medicine	24	24	0	0
Vascular neurology	56	54	0	0
Nuclear medicine	141	61	0	0
Obstetrics and gynecology	4884	1272	47	1225
Ophthalmology	1268	387	0	0
Ophthalmic plastic and reconstructive surgery	0	0	0	0
Orthopedic surgery	3412	687	31	655
Adult reconstructive orthopedics	31	30	0	0
Foot and ankle orthopedics	12	12	0	0

(continued)

Appendix II, Table 3. Total Number of Resident Physicians and Resident Physicians in Program Year 1 Positions and in Graduate Year 1 Positions on Duty December 31, 2010, in ACGME-Accredited Programs and in Combined Specialty Programs (continued)

Specialty/subspecialty	Total No. of Residents ^a	No. of Residents in Program Year 1 Positions ^b	No. of Residents in Graduate Year 1 Positions With Prior US GME ^c	No. of Residents in Graduate Year 1 Positions Without Prior US GME ^c
Orthopedic surgery (continued)				
Hand surgery	116	115	0	0
Musculoskeletal oncology	8	6	0	0
Orthopedic sports medicine	148	147	0	0
Orthopedic surgery of the spine	31	31	0	0
Orthopedic trauma	17	17	0	0
Pediatric orthopedics	30	29	0	0
Otolaryngology	1424	281	7	274
Neurotology	21	11	0	0
Pediatric otolaryngology	16	12	0	0
Pain medicine ^e	229	223	0	0
Pathology—atomic and clinical	2355	628	43	585
Blood banking/transfusion medicine	37	35	0	0
Chemical pathology	1	1	0	0
Cytopathology	117	116	0	0
Forensic pathology	35	35	0	0
Hematology	110	107	0	0
Medical microbiology	8	8	0	0
Neuropathology	36	20	0	0
Pediatric pathology	15	14	0	0
Selective pathology	104	103	0	0
Pediatrics	8140	2728	38	2690
Adolescent medicine	62	20	0	0
Developmental-behavioral pediatrics	81	30	0	0
Neonatal-perinatal medicine	622	207	0	0
Pediatric cardiology	380	134	0	0
Pediatric critical care medicine	387	128	0	0
Pediatric emergency medicine	302	108	0	0
Pediatric endocrinology	231	82	0	0
Pediatric gastroenterology	240	85	0	0
Pediatric hematology/oncology	404	145	0	0
Pediatric infectious diseases	171	55	0	0
Pediatric nephrology	124	47	0	0
Pediatric pulmonology	138	52	0	0
Pediatric rheumatology	78	20	0	0
Pediatric sports medicine	14	11	0	0
Pediatric transplant hepatology	1	1	0	0
Physical medicine and rehabilitation	1228	365	25	77
Pediatric rehabilitation medicine	13	7	0	0
Spinal cord injury medicine	11	11	0	0
Sports medicine	6	6	0	0
Plastic surgery	345	125	0	3
Craniofacial surgery	3	3	0	0
Hand surgery	15	15	0	0
Plastic surgery—integrated ^f	364	68	0	68
Preventive medicine	250	117	0	3
Medical toxicology	6	4	0	0
Undersea and hyperbaric medicine	2	2	0	0
Psychiatry	4865	1299	48	1251
Addiction psychiatry	55	50	0	0
Child and adolescent psychiatry	768	378	0	2
Forensic psychiatry	69	68	0	0
Geriatric psychiatry	41	39	0	0
Psychosomatic medicine	47	46	0	0

(continued)

Appendix II, Table 3. Total Number of Resident Physicians and Resident Physicians in Program Year 1 Positions and in Graduate Year 1 Positions on Duty December 31, 2010, in ACGME-Accredited Programs and in Combined Specialty Programs (continued)

Specialty/subspecialty	Total No. of Residents ^a	No. of Residents in Program Year 1 Positions ^b	No. of Residents in Graduate Year 1 Positions With Prior US GME ^c	No. of Residents in Graduate Year 1 Positions Without Prior US GME ^c
Radiation oncology	603	158	0	4
Radiology—diagnostic	4531	1133	20	74
Abdominal radiology	36	36	0	0
Cardiothoracic radiology	1	1	0	0
Endovascular surgical neuroradiology	5	3	0	0
Musculoskeletal radiology	24	24	0	0
Neuroradiology	234	214	0	0
Nuclear radiology	14	14	0	0
Pediatric radiology	67	65	0	0
Vascular and interventional radiology	180	179	0	0
Sleep medicine ⁹	119	116	0	0
Surgery—general	7671	2375	71	2304
Hand surgery	8	8	0	0
Pediatric surgery	71	34	0	0
Surgical critical care	168	157	0	0
Vascular surgery	244	121	0	0
Vascular surgery—integrated ^f	64	25	4	21
Thoracic surgery	223	93	0	0
Congenital cardiac surgery	2	2	0	0
Thoracic surgery—integrated ^f	23	10	0	10
Urology	1069	234	0	8
Pediatric urology	22	11	0	0
Transitional year	1085	1085	4	1081
Combined specialties				
Emergency medicine/family medicine	10	4	0	4
Family medicine/preventive medicine	16	4	0	4
Internal medicine/dermatology	29	6	0	6
Internal medicine/emergency medicine	109	24	0	24
Internal medicine/emergency medicine/critical care medicine	7	1	0	1
Internal medicine/family medicine	22	5	0	5
Internal medicine/medical genetics	8	0	0	0
Internal medicine/neurology	8	1	0	1
Internal medicine/pediatrics	1419	370	1	369
Internal medicine/preventive medicine	29	8	1	7
Internal medicine/psychiatry	97	25	0	25
Neurology/diagnostic radiology/neuroradiology	0	0	0	0
Pediatrics/anesthesiology	0	0	0	0
Pediatrics/dermatology	2	0	0	0
Pediatrics/emergency medicine	31	7	0	7
Pediatrics/medical genetics	25	6	0	6
Pediatrics/physical medicine and rehabilitation	18	4	0	4
Pediatrics/psychiatry/child and adolescent psychiatry	90	16	0	16
Psychiatry/family medicine	49	10	0	10
Psychiatry/neurology	16	5	1	4
Total	111 586	39 492	1094	25 292

^aIncludes resident physicians on duty as of December 31, 2010, reported through the 2010 National GME Census. A total of 232 programs (2.6%) did not provide updated information on residents by March 1, 2011. For these nonresponding programs, resident physicians reported from the last received survey were moved into their next year in the program or graduated, and new residents were added from the 2010 National Resident Matching Program when available.

^bProgram year 1 refers to the first year of training within a specific program; this may not correspond to the graduate year.

^cGraduate year 1 refers to positions available the first year after completing medical school; approximately 4.1% of resident physicians in graduate year 1 positions have had some prior US graduate medical education (GME).

^dHospice and palliative medicine is a subspecialty of anesthesiology, emergency medicine, family medicine, internal medicine, neurology, obstetrics and gynecology, pediatrics, physical medicine and rehabilitation, psychiatry, radiology, or surgery.

^ePain medicine is a subspecialty of anesthesiology, neurology, physical medicine and rehabilitation, or psychiatry.

^fIntegrated programs differ from subspecialty programs in that they include core surgical education.

⁹Sleep medicine is a subspecialty of family medicine, internal medicine, neurology, otolaryngology, pediatrics, or psychiatry.

Appendix II, Table 4. Programs and Resident Physicians on Duty December 31, 2010, by Number per 100

Region and State	No. of Resident Physicians per 100 000 ^a	2010 State Population in 1000s ^b	No. (%)	
			Programs ^c	Resident Physicians ^d
New England, subtotal	65	14 474	729 (8.1)	9348 (8.4)
Connecticut	60	3527	168 (1.9)	2106 (1.9)
Maine	24	1313	22 (0.2)	309 (0.3)
Massachusetts	83	6631	398 (4.4)	5482 (4.9)
New Hampshire	30	1324	45 (0.5)	397 (0.4)
Rhode Island	74	1057	60 (0.7)	778 (0.7)
Vermont	44	622	36 (0.4)	276 (0.2)
Middle Atlantic, subtotal	63	40 943	1864 (20.8)	25 894 (23.2)
New Jersey	31	8733	202 (2.3)	2687 (2.4)
New York	80	19 578	1083 (12.1)	15 712 (14.1)
Pennsylvania	59	12 633	579 (6.5)	7495 (6.7)
East North Central, subtotal	41	46 522	1526 (17.0)	19 147 (17.2)
Illinois	44	12 944	427 (4.8)	5739 (5.1)
Indiana	21	6445	103 (1.1)	1367 (1.2)
Michigan	48	9931	361 (4.0)	4726 (4.2)
Ohio	48	11 532	468 (5.2)	5552 (5.0)
Wisconsin	31	5669	167 (1.9)	1763 (1.6)
West North Central, subtotal	36	20 451	610 (6.8)	7311 (6.6)
Iowa	27	3023	80 (0.9)	829 (0.7)
Kansas	25	2841	57 (0.6)	702 (0.6)
Minnesota	43	5290	184 (2.1)	2252 (2.0)
Missouri	44	6012	217 (2.4)	2619 (2.3)
Nebraska	38	1811	57 (0.6)	692 (0.6)
North Dakota	17	654	7 (0.1)	111 (0.1)
South Dakota	13	820	8 (0.1)	106 (0.1)
South Atlantic, subtotal	28	59 659	1491 (16.6)	16 835 (15.1)
Delaware	30	891	21 (0.2)	263 (0.2)
District of Columbia	288	611	171 (1.9)	1758 (1.6)
Florida	19	18 678	312 (3.5)	3491 (3.1)
Georgia	20	9908	170 (1.9)	1994 (1.8)
Maryland	43	5737	203 (2.3)	2471 (2.2)
North Carolina	31	9459	255 (2.8)	2964 (2.7)
South Carolina	25	4597	99 (1.1)	1166 (1.0)
Virginia	26	7952	196 (2.2)	2057 (1.8)
West Virginia	37	1826	64 (0.7)	671 (0.6)
East South Central, subtotal	27	18 368	439 (4.9)	5010 (4.5)
Alabama	26	4730	110 (1.2)	1230 (1.1)
Kentucky	25	4339	101 (1.1)	1091 (1.0)
Mississippi	18	2960	45 (0.5)	525 (0.5)
Tennessee	34	6338	183 (2.0)	2164 (1.9)
West South Central, subtotal	29	36 378	850 (9.5)	10 415 (9.3)
Arkansas	25	2910	66 (0.7)	730 (0.7)
Louisiana	42	4529	161 (1.8)	1881 (1.7)
Oklahoma	21	3724	67 (0.7)	777 (0.7)
Texas	28	25 213	556 (6.2)	7027 (6.3)
Mountain, subtotal	19	22 379	371 (4.1)	4262 (3.8)
Arizona	22	6677	115 (1.3)	1453 (1.3)
Colorado	23	5095	102 (1.1)	1166 (1.0)
Idaho	4	1560	7 (0.1)	61 (0.1)
Montana	2	980	3 (<0.1)	19 (<0.1)
Nevada	11	2655	20 (0.2)	281 (0.3)
New Mexico	26	2034	53 (0.6)	527 (0.5)
Utah	25	2831	69 (0.8)	716 (0.6)
Wyoming	7	548	2 (<0.1)	39 (<0.1)

(continued)

Appendix II, Table 4. Programs and Resident Physicians on Duty December 31, 2010, by Number per 100 (continued)

Region and State	No. of Resident Physicians per 100 000 ^a	2010 State Population in 1000s ^b	No. (%)	
			Programs ^c	Resident Physicians ^d
Pacific, subtotal	25	49 877	1021 (11.4)	12 615 (11.3)
Alaska	5	709	2 (<0.1)	34 (<0.1)
California	26	37 267	778 (8.7)	9656 (8.7)
Hawaii	29	1300	31 (0.3)	371 (0.3)
Oregon	21	3856	76 (0.8)	821 (0.7)
Washington	26	6746	134 (1.5)	1733 (1.6)
Puerto Rico	20	3792	66 (0.7)	749 (0.7)
Total	36	312 843	8967 (100.0)	111 586 (100.0)

^aAggregate number of resident physicians per 100 000 population.

^b2010 State population is from Table 1: Preliminary Annual Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2000, to July 1, 2010 (NST-PEST2010-01). Source: US Census Bureau, Population Division (<http://www.census.gov/popest/eval-estimates/eval-est2010.html>; posted February 2011, accessed May 11, 2011). Total population numbers include the District of Columbia and Puerto Rico.

^cTotal number of US graduate medical education (GME) programs accredited by the ACGME and combined specialty programs, as of December 31, 2010, surveyed by the National GME Census during 2010.

^dIncludes resident physicians on duty as of December 31, 2010, reported through the 2010 National GME Census. A total of 232 programs (2.6%) did not provide updated information on residents by March 1, 2011. For these nonresponding programs, resident physicians reported from the last received survey were moved into their next year in the program or graduated, and new residents were added from the 2010 National Resident Matching Program when available.

Appendix II, Table 5. Citizenship Status of International Medical Graduates With No Prior US Graduate Medical Education (GME) in the First Year of GME on Duty, December 31, 2010^a

	US Citizen	US Permanent Resident	Non-US Citizen	Unknown Citizenship/Foreign Born	Total
Specialty/subspecialty					
Anesthesiology	26	9	11	41	87
Emergency medicine	91	3	10	15	119
Family medicine	600	194	250	151	1195
Internal medicine	811	455	1111	954	3331
Neurological surgery	1	0	2	2	5
Neurology	15	9	25	34	83
Obstetrics and gynecology	79	12	34	37	162
Orthopedic surgery	3	3	3	5	14
Otolaryngology	1	0	3	0	4
Pathology—atomic and clinical	42	48	46	37	173
Pediatrics	185	70	205	153	613
Physical medicine and rehabilitation	7	1	2	4	14
Plastic surgery—integrated	0	0	2	1	3
Psychiatry	164	58	92	64	378
Radiology—diagnostic	2	0	2	1	5
Surgery—general	160	44	124	104	432
Vascular surgery—integrated	1	0	1	0	2
Thoracic surgery—integrated	0	0	2	0	2
Transitional year	41	14	11	30	96
Combined specialties					
Emergency medicine/family medicine	1	0	0	0	1
Family medicine/preventive medicine	2	0	0	0	2
Internal medicine/emergency medicine	3	0	0	0	3
Internal medicine/pediatrics	15	4	12	7	38
Internal medicine/preventive medicine	0	0	0	3	3
Internal medicine/psychiatry	1	1	2	2	6
Pediatrics/emergency medicine	1	0	0	0	1
Psychiatry/neurology	2	0	0	0	2
Total, No. (%)	2254 (33.3)	925 (13.6)	1950 (28.8)	1645 (24.3)	6774

^aIncludes only international medical graduate resident physicians entering US GME for the first time; graduates of Canadian medical schools are not considered international medical graduates.

Appendix II, Table 6. Race and Hispanic Ethnic Origin of Resident Physicians on Duty December 31, 2010, by Type of Medical School From Which They Graduated^a

Race and Hispanic Ethnic Origin ^b	No. (%)			Total
	US and Canadian Allopathic	US Osteopathic	Non-US	
Black	4943 (75.7)	122 (1.9)	1468 (22.5)	6533
American Indian/Alaskan Native	348 (98.6)	4 (1.1)	1 (0.3)	353
White	49 553 (79.2)	4041 (6.5)	9012 (14.4)	62 606
Asian	15 467 (49.6)	949 (3.0)	14 767 (47.4)	31 183
Native Hawaiian/Pacific Islander	102 (34.7)	16 (5.4)	176 (59.9)	294
Other/unknown	2666 (25.1)	2934 (27.6)	5017 (47.3)	10 617
Total	73 079 (65.5)	8066 (7.2)	30 441 (27.3)	111 586
Hispanic origin	4730 (53.6)	170 (1.9)	3932 (44.5)	8832
Non-Hispanic origin	68 349 (66.5)	7896 (7.7)	26 509 (25.8)	102 754

^aIncludes resident physicians on duty as of December 31, 2010, reported through the 2010 National GME Census. A total of 232 programs (2.6%) did not provide updated information on residents by March 1, 2011. For these nonresponding programs, resident physicians reported from the last received survey were moved into their next year in the program or graduated, and new residents were added from the 2010 National Resident Matching Program when available.

^bFollowing the US Census Bureau, the 2010 National GME Census asked for race and Hispanic ethnicity in 2 separate questions. A person of Hispanic ethnicity can be of any race.

Appendix II, Table 7. Citizenship/Visa Status of All Resident Physicians and International Medical Graduates (IMGs) on Duty in ACGME-Accredited and in Combined Specialty Programs, December 31, 2010

Citizenship/Visa Status	Resident Physicians, No. (%) ^a	
	Total	IMGs ^b
Native US citizen	73 716 (66.1)	5580 (18.3)
Naturalized US citizen	9008 (8.1)	3395 (11.2)
Permanent resident	8163 (7.3)	5516 (18.1)
B-1, B-2 temporary visitor	97 (0.1)	94 (0.3)
F-1 student	270 (0.2)	1 (<0.1)
H-1, H-1B, H-2, H-3 temporary worker	5100 (4.6)	4899 (16.1)
J-1, J-2 exchange visitor	4848 (4.3)	4719 (15.5)
Refugee/asylee/displaced person	68 (0.1)	62 (0.2)
Other	497 (0.4)	365 (1.2)
Unknown citizenship/foreign born	8800 (7.9)	5810 (19.1)
Unknown citizenship/unknown birth country	1019 (0.9)	0
Total	111 586 (100)	30 441 (100)

^aIncludes resident physicians on duty as of December 31, 2010, reported through the 2010 National GME Census. A total of 232 programs (2.6%) did not provide updated information on residents by March 1, 2011. For these nonresponding programs, resident physicians reported from the last received survey were moved into their next year in the program or graduated, and new residents were added from the 2010 National Resident Matching Program when available.

^bDoes not include graduates of Canadian medical schools.

Appendix II, Table 8. Racial and Ethnic Origin of Resident Physicians in ACGME-Accredited and in Combined Specialty Graduate Medical Education (GME) Programs on Duty December 31, 2010, by Specialty^a

Specialty/subspecialty	No. of Resident Physicians							Total
	Black	American Indian/Alaskan Native	White	Asian	Native Hawaiian/Pacific Islander	Other/Unknown	Hispanic Origin ^b	
Allergy and immunology	5	0	161	107	0	20	16	293
Anesthesiology	356	18	3385	1341	7	336	315	5443
Adult cardiothoracic anesthesiology	3	0	64	34	0	5	8	106
Critical care medicine	2	0	50	22	0	5	5	79
Pediatric anesthesiology	7	1	107	41	0	6	10	162
Colon and rectal surgery	1	0	53	17	0	7	6	78
Dermatology	53	4	806	226	5	46	67	1140
Dermatopathology	2	0	50	13	0	2	4	67
Procedural dermatology	2	0	21	7	0	2	2	32
Emergency medicine	255	19	4004	696	4	141	340	5119
Medical toxicology	3	0	30	6	1	1	1	41
Pediatric emergency medicine	4	0	39	11	0	3	7	57
Sports medicine	1	0	5	0	0	1	1	7
Undersea and hyperbaric medicine	0	0	4	0	0	3	1	7
Family medicine	784	59	5599	2311	70	760	919	9583
Geriatric medicine	3	0	27	25	0	9	10	64
Sports medicine	8	1	102	26	0	19	8	156
Hospice and palliative medicine ^c	12	0	64	26	0	6	4	108
Internal medicine	1250	45	8635	8767	85	3633	1942	22415
Cardiovascular disease	105	4	1199	1001	2	126	153	2437
Clinical cardiac electrophysiology	6	0	96	57	0	12	13	171
Critical care medicine	12	0	71	75	0	27	19	185
Endocrinology, diabetes, and metabolism	28	1	287	229	2	39	61	586
Gastroenterology	62	1	663	525	1	96	98	1348
Geriatric medicine	9	0	80	111	2	35	34	237
Hematology	2	0	17	21	0	3	2	43
Hematology and oncology	47	1	709	612	2	91	110	1462
Infectious disease	54	1	374	265	4	90	95	788
Interventional cardiology	13	0	114	96	0	16	16	239
Nephrology	54	0	291	488	1	77	63	911
Oncology	1	1	48	44	0	8	8	102
Pulmonary disease	5	0	20	43	0	9	8	77
Pulmonary disease and critical care medicine	37	2	724	432	0	144	137	1339
Rheumatology	17	1	194	164	1	46	37	423
Transplant hepatology	2	0	8	4	0	2	3	16
Medical genetics	2	0	51	13	1	17	12	84
Medical biochemical genetics	0	0	2	0	0	0	0	2
Molecular genetic pathology	0	0	20	9	1	3	2	33
Neurological surgery	62	5	738	269	1	65	60	1140
Endovascular surgical neuroradiology	0	0	3	0	0	1	0	4
Neurology	85	2	924	653	0	264	177	1928
Child neurology	10	0	163	67	0	18	27	258
Clinical neurophysiology	9	0	107	63	0	18	17	197
Endovascular surgical neuroradiology	0	0	2	0	0	0	0	2
Neurodevelopmental disabilities	2	0	15	2	0	0	0	19
Neuromuscular medicine	2	0	11	10	0	1	0	24
Vascular neurology	3	0	21	26	0	6	7	56
Nuclear medicine	5	1	61	56	1	17	13	141
Obstetrics and gynecology	521	18	3231	737	6	371	431	4884
Ophthalmology	43	3	765	413	2	42	70	1268
Ophthalmic plastic and reconstructive surgery	0	0	0	0	0	0	0	0

(continued)

Appendix II, Table 8. Racial and Ethnic Origin of Resident Physicians in ACGME-Accredited and in Combined Specialty Graduate Medical Education (GME) Programs on Duty December 31, 2010, by Specialty^a (continued)

Specialty/subspecialty	No. of Resident Physicians							Total
	Black	American Indian/Alaskan Native	White	Asian	Native Hawaiian/Pacific Islander	Other/Unknown	Hispanic Origin ^b	
Orthopedic surgery	158	16	2648	438	3	149	161	3412
Adult reconstructive orthopedics	1	0	15	8	0	7	3	31
Foot and ankle orthopedics	0	0	8	2	0	2	2	12
Hand surgery	7	1	73	19	1	15	6	116
Musculoskeletal oncology	1	0	1	5	0	1	0	8
Orthopedic sports medicine	4	0	107	20	0	17	12	148
Orthopedic surgery of the spine	2	0	12	13	0	4	2	31
Orthopedic trauma	1	0	13	1	0	2	1	17
Pediatric orthopedics	1	0	19	5	0	5	1	30
Otolaryngology	43	4	1011	309	1	56	72	1424
Neurotology	1	0	10	6	0	4	3	21
Pediatric otolaryngology	1	0	12	2	0	1	0	16
Pain medicine ^d	20	1	131	59	1	17	14	229
Pathology—atomic and clinical	78	9	1292	627	4	345	181	2355
Blood banking/transfusion medicine	1	0	23	9	0	4	3	37
Chemical pathology	0	0	1	0	0	0	0	1
Cytopathology	5	0	67	37	0	8	12	117
Forensic pathology	1	1	24	5	0	4	1	35
Hematology	3	0	66	34	0	7	6	110
Medical microbiology	0	0	4	2	0	2	1	8
Neuropathology	2	0	24	7	0	3	3	36
Pediatric pathology	1	0	6	3	0	5	0	15
Selective pathology	4	0	66	28	0	6	10	104
Pediatrics	491	27	4704	1954	30	934	730	8140
Adolescent medicine	9	0	35	15	0	3	9	62
Developmental-behavioral pediatrics	5	0	41	23	0	12	11	81
Neonatal-perinatal medicine	40	1	352	178	1	50	61	622
Pediatric cardiology	17	1	241	97	1	23	26	380
Pediatric critical care medicine	20	1	240	95	0	31	46	387
Pediatric emergency medicine	20	0	211	47	0	24	15	302
Pediatric endocrinology	7	0	130	80	0	14	22	231
Pediatric gastroenterology	10	0	144	69	1	16	23	240
Pediatric hematology/oncology	21	1	254	102	4	22	24	404
Pediatric infectious diseases	11	0	108	40	0	12	23	171
Pediatric nephrology	8	0	71	42	0	3	12	124
Pediatric pulmonology	6	0	73	43	0	16	10	138
Pediatric rheumatology	2	0	52	16	1	7	11	78
Pediatric sports medicine	0	0	9	2	0	3	0	14
Pediatric transplant hepatology	0	0	1	0	0	0	0	1
Physical medicine and rehabilitation	69	3	595	319	5	237	107	1228
Pediatric rehabilitation medicine	2	0	8	1	0	2	2	13
Spinal cord injury medicine	0	0	7	2	1	1	3	11
Sports medicine	0	0	4	2	0	0	0	6
Plastic surgery	14	1	243	65	0	22	34	345
Craniofacial surgery	0	0	2	0	0	1	0	3
Hand surgery	0	0	12	1	0	2	1	15
Plastic surgery—integrated ^e	15	0	262	70	0	17	25	364
Preventive medicine	25	1	125	55	0	44	10	250
Medical toxicology	0	0	3	2	0	1	2	6
Undersea and hyperbaric medicine	0	0	1	0	0	1	0	2
Psychiatry	350	17	2463	1340	9	686	452	4865
Addiction psychiatry	5	0	32	12	0	6	4	55
Child and adolescent psychiatry	82	2	395	216	3	70	77	768
Forensic psychiatry	4	0	48	12	0	5	2	69

(continued)

Appendix II, Table 8. Racial and Ethnic Origin of Resident Physicians in ACGME-Accredited and in Combined Specialty Graduate Medical Education (GME) Programs on Duty December 31, 2010, by Specialty^a (continued)

Specialty/subspecialty	No. of Resident Physicians							Total
	Black	American Indian/Alaskan Native	White	Asian	Native Hawaiian/Pacific Islander	Other/Unknown	Hispanic Origin ^b	
Psychiatry (continued)								
Geriatric psychiatry	4	0	13	18	1	5	4	41
Psychosomatic medicine	4	0	33	7	0	3	6	47
Radiation oncology	20	2	366	198	0	17	20	603
Radiology—diagnostic	139	15	3006	1187	3	181	219	4531
Abdominal radiology	1	0	21	13	0	1	1	36
Cardiothoracic radiology	0	0	1	0	0	0	0	1
Endovascular surgical neuroradiology	0	0	0	3	0	2	2	5
Musculoskeletal radiology	2	0	12	9	0	1	4	24
Neuroradiology	4	0	133	89	1	7	13	234
Nuclear radiology	0	0	6	7	0	1	1	14
Pediatric radiology	4	0	35	22	0	6	6	67
Vascular and interventional radiology	1	1	110	57	0	11	11	180
Sleep medicine ^f	5	0	56	56	0	2	4	119
Surgery—general	549	43	4806	1652	14	607	635	7671
Hand surgery	1	0	5	2	0	0	1	8
Pediatric surgery	3	0	52	14	0	2	7	71
Surgical critical care	12	0	120	26	0	10	12	168
Vascular surgery	16	0	151	63	0	14	25	244
Vascular surgery—integrated ^e	2	0	43	16	0	3	6	64
Thoracic surgery	16	0	135	56	2	14	21	223
Congenital cardiac surgery	0	0	2	0	0	0	0	2
Thoracic surgery—integrated ^e	0	0	19	4	0	0	2	23
Urology	50	2	744	241	3	29	57	1069
Pediatric urology	0	0	14	6	0	2	2	22
Transitional year	29	2	674	308	1	71	78	1085
Combined specialties								
Emergency medicine/family medicine	1	0	5	1	0	3	1	10
Family medicine/preventive medicine	1	0	12	3	0	0	3	16
Internal medicine/dermatology	1	0	19	6	1	2	3	29
Internal medicine/emergency medicine	8	1	74	22	1	3	7	109
Internal medicine/emergency medicine/critical care medicine	0	0	6	1	0	0	0	7
Internal medicine/family medicine	2	1	15	4	0	0	2	22
Internal medicine/medical genetics	0	0	5	3	0	0	1	8
Internal medicine/neurology	0	0	7	1	0	0	0	8
Internal medicine/pediatrics	113	4	954	314	2	32	84	1419
Internal medicine/preventive medicine	2	0	10	15	0	2	3	29
Internal medicine/psychiatry	12	3	59	21	0	2	5	97
Neurology/diagnostic radiology/neuroradiology	0	0	0	0	0	0	0	0
Pediatrics/anesthesiology	0	0	0	0	0	0	0	0
Pediatrics/dermatology	0	0	2	0	0	0	0	2
Pediatrics/emergency medicine	0	0	29	2	0	0	2	31
Pediatrics/medical genetics	1	0	18	6	0	0	2	25
Pediatrics/Physical Medicine and Rehabilitation	1	0	14	3	0	0	0	18
Pediatrics/Psychiatry/Child and Adolescent Psychiatry	8	1	61	17	0	3	5	90
Psychiatry/family medicine	4	3	34	6	0	2	2	49
Psychiatry/neurology	0	0	11	4	0	1	0	16
Total, No. (%)	6533 (5.9)	353 (0.3)	62 606 (56.1)	31 183 (27.9)	294 (0.3)	10 617 (9.5)	8832 (7.9)	111 586

^aIncludes resident physicians on duty as of December 31, 2010, reported through the 2010 National GME Census. A total of 232 programs (2.6%) did not provide updated information on residents by March 1, 2011. For these nonresponding programs, resident physicians reported from the last received survey were moved into their next year in the program or graduated, and new residents were added from the 2010 National Resident Matching Program when available.

^bFollowing the US Census Bureau, the 2010 National GME Census asked for race and Hispanic ethnicity in 2 separate questions. A person of Hispanic ethnicity can be of any race.

^cHospice and palliative medicine is a subspecialty of anesthesiology, emergency medicine, family medicine, internal medicine, neurology, obstetrics and gynecology, pediatrics, physical medicine and rehabilitation, psychiatry, radiology, or surgery.

^dPain medicine is a subspecialty of anesthesiology, neurology, physical medicine and rehabilitation, or psychiatry.

^eIntegrated programs differ from subspecialty programs in that they include core surgical education.

^fSleep medicine is a subspecialty of family medicine, internal medicine, neurology, otolaryngology, pediatrics, or psychiatry.

Appendix II, Table 9. Resident Physicians Who Completed a Graduate Medical Education (GME) Program or Preliminary Year During 2009-2010^a

Specialty/subspecialty	No. Completing a Program	No. Completing a Preliminary Year
Allergy and immunology	135	0
Anesthesiology	1511	0
Adult cardiothoracic anesthesiology	93	0
Critical care medicine	82	0
Pediatric anesthesiology	149	0
Colon and rectal surgery	79	0
Dermatology	355	0
Dermatopathology	79	0
Procedural dermatology	25	0
Emergency medicine	1459	0
Medical toxicology	23	0
Pediatric emergency medicine	24	0
Sports medicine	8	0
Undersea and hyperbaric medicine	3	0
Family medicine	3097	11
Geriatric medicine	58	0
Sports medicine	139	0
Hospice and palliative medicine ^b	76	0
Internal medicine	6635	2116
Cardiovascular disease	790	0
Clinical cardiac electrophysiology	131	0
Critical care medicine	107	0
Endocrinology, diabetes, and metabolism	234	0
Gastroenterology	448	0
Geriatric medicine	219	0
Hematology	23	0
Hematology and oncology	472	0
Infectious disease	344	0
Interventional cardiology	237	0
Nephrology	407	0
Oncology	53	0
Pulmonary disease	33	0
Pulmonary Disease and Critical Care Medicine	408	0
Rheumatology	197	0
Transplant hepatology	15	0
Medical genetics	34	0
Molecular genetic pathology	33	0
Neurological surgery	156	0
Neurology	534	0
Child neurology	98	0
Clinical neurophysiology	161	0
Endovascular surgical neuroradiology	2	0
Neurodevelopmental disabilities	3	0
Neuromuscular medicine	20	0
Vascular neurology	45	0
Nuclear medicine	72	0
Obstetrics and gynecology	1178	0
Ophthalmology	420	0
Orthopedic surgery	650	2
Adult reconstructive orthopedics	34	0
Foot and ankle orthopedics	20	0
Hand surgery	114	0
Musculoskeletal oncology	10	0
Orthopedic sports medicine	124	0
Orthopedic surgery of the spine	34	0

(continued)

Appendix II, Table 9. Resident Physicians Who Completed a Graduate Medical Education (GME) Program or Preliminary Year During 2009-2010 (continued)^a

Specialty/subspecialty	No. Completing a Program	No. Completing a Preliminary Year
Orthopedic surgery		
Orthopedic trauma	8	0
Pediatric orthopedics	32	0
Otolaryngology	270	0
Neurology	13	0
Pediatric otolaryngology	11	0
Pain medicine ^c	245	0
Pathology—atomic and clinical	586	4
Blood banking/transfusion medicine	43	0
Cytopathology	105	0
Forensic pathology	30	0
Hematology	100	0
Medical microbiology	5	0
Neuropathology	19	0
Pediatric pathology	22	0
Selective pathology	104	0
Pediatrics	2649	68
Adolescent medicine	18	0
Developmental-behavioral pediatrics	15	0
Neonatal-perinatal medicine	202	0
Pediatric cardiology	128	0
Pediatric critical care medicine	109	0
Pediatric emergency medicine	87	0
Pediatric endocrinology	70	0
Pediatric gastroenterology	68	0
Pediatric hematology/oncology	136	0
Pediatric infectious diseases	52	0
Pediatric nephrology	44	0
Pediatric pulmonology	46	0
Pediatric rheumatology	17	0
Pediatric sports medicine	13	0
Pediatric transplant hepatology	1	0
Physical medicine and rehabilitation	369	0
Pediatric rehabilitation medicine	10	0
Spinal cord injury medicine	17	0
Sports medicine	5	0
Plastic surgery	144	0
Craniofacial surgery	4	0
Hand surgery	15	0
Plastic surgery—integrated ^d	44	0
Preventive medicine	151	0
Medical toxicology	6	0
Undersea and hyperbaric medicine	2	0
Psychiatry	971	2
Addiction psychiatry	46	0
Child and adolescent psychiatry	378	0
Forensic psychiatry	73	0
Geriatric psychiatry	56	0
Psychosomatic medicine	41	0
Radiation oncology	157	0

(continued)

Appendix II, Table 9. Resident Physicians Who Completed a Graduate Medical Education (GME) Program or Preliminary Year During 2009-2010^a (continued)

Specialty/subspecialty	No. Completing a Program	No. Completing a Preliminary Year
Radiology—diagnostic	1081	0
Abdominal radiology	36	0
Cardiothoracic radiology	3	0
Endovascular surgical neuroradiology	3	0
Musculoskeletal radiology	33	0
Neuroradiology	242	0
Nuclear radiology	8	0
Pediatric radiology	47	0
Vascular and interventional radiology	157	0
Sleep medicine ^e	102	0
Surgery—general	1062	1199
Hand surgery	8	0
Pediatric surgery	33	0
Surgical critical care	143	0
Vascular surgery	118	0
Thoracic surgery	85	0
Congenital cardiac surgery	6	0
Urology	245	0
Pediatric urology	19	0
Transitional year	0	1098
Combined specialties		
Family medicine/preventive medicine	2	0
Internal medicine/dermatology	2	0
Internal medicine/emergency medicine	20	0
Internal medicine/emergency medicine/critical care medicine	2	0
Internal medicine/family medicine	3	0
Internal medicine/medical genetics	1	0
Internal medicine/neurology	2	0
Internal medicine/pediatrics	350	0
Internal medicine/preventive medicine	8	0
Internal medicine/psychiatry	16	0
Neurology/diagnostic radiology/neuroradiology	1	0
Pediatrics/emergency medicine	6	0
Pediatrics/medical genetics	3	0
Pediatrics/physical medicine and rehabilitation	4	0
Pediatrics/psychiatry/child and adolescent psychiatry	16	0
Psychiatry/family medicine	9	0
Psychiatry/neurology	1	0
Total	33 504	4500

^aIncludes resident physicians on duty as of December 31, 2010, reported through the 2010 National GME Census. A total of 232 programs (2.6%) did not provide updated information on residents by March 1, 2011. For these nonresponding programs, resident physicians reported from the last received survey were moved into their next year in the program or graduated, and new residents were added from the 2010 National Resident Matching Program when available.

^bHospice and palliative medicine is a subspecialty of anesthesiology, emergency medicine, family medicine, internal medicine, neurology, obstetrics and gynecology, pediatrics, physical medicine and rehabilitation, psychiatry, radiology, or surgery.

^cPain medicine is a subspecialty of anesthesiology, neurology, physical medicine and rehabilitation, or psychiatry.

^dIntegrated programs differ from subspecialty programs in that they include core surgical education.

^eSleep medicine is a subspecialty of family medicine, internal medicine, neurology, otolaryngology, pediatrics, or psychiatry.

Appendix II, Table 10. Total Program Size and Number of First-Year Positions Available in ACGME-Accredited and in Combined Specialty Programs for the Next Academic Year (2011-2012) as Projected by Program Directors

Specialty/subspecialty	Total Program Size	Total No. of Program Year 1 Positions ^a	Total No. of Graduate Year 1 Positions ^b
Allergy and immunology	317	144	0
Anesthesiology	5807	1271	842
Adult cardiothoracic anesthesiology	152	152	0
Critical care medicine	149	149	0
Pediatric anesthesiology	204	204	0
Colon and rectal surgery	86	86	0
Dermatology	1196	395	21
Dermatopathology	91	90	0
Procedural dermatology	46	46	0
Emergency medicine	5448	1694	1657
Medical toxicology	81	41	0
Pediatric emergency medicine	84	31	0
Sports medicine	8	8	0
Undersea and hyperbaric medicine	11	11	0
Family medicine	10 047	3346	3346
Geriatric medicine	102	102	0
Sports medicine	182	182	0
Hospice and palliative medicine ^c	184	184	0
Internal medicine	23 025	9069	9069
Cardiovascular disease	2560	841	0
Clinical cardiac electrophysiology	242	209	0
Critical care medicine	199	114	0
Endocrinology, diabetes, and metabolism	615	284	0
Gastroenterology	1399	463	0
Geriatric medicine	413	388	0
Hematology	36	14	0
Hematology and oncology	1510	498	0
Infectious disease	780	379	0
Interventional cardiology	338	324	0
Nephrology	921	441	0
Oncology	101	49	0
Pulmonary disease	83	40	0
Pulmonary disease and critical care medicine	1440	478	0
Rheumatology	440	210	0
Transplant hepatology	47	47	0
Medical genetics	171	79	1
Medical biochemical genetics	12	12	0
Molecular genetic pathology	43	43	0
Neurological surgery	1126	187	187
Endovascular surgical neuroradiology	3	3	0
Neurology	2067	611	223
Child neurology	333	118	0
Clinical neurophysiology	269	266	0
Endovascular surgical neuroradiology	5	5	0
Neurodevelopmental disabilities	38	9	0
Neuromuscular medicine	48	48	0
Vascular neurology	120	118	0
Nuclear medicine	185	92	0
Obstetrics and gynecology	5017	1279	1279
Ophthalmology	1424	475	0
Ophthalmic plastic and reconstructive surgery	7	5	0
Orthopedic surgery	3479	697	696
Adult reconstructive orthopedics	40	40	0

(continued)

Appendix II, Table 10. Total Program Size and Number of First-Year Positions Available in ACGME-Accredited and in Combined Specialty Programs for the Next Academic Year (2011-2012) as Projected by Program Directors (continued)

Specialty/subspecialty	Total Program Size	Total No. of Program Year 1 Positions ^a	Total No. of Graduate Year 1 Positions ^b
Specialty/subspecialty			
Orthopedic surgery (continued)			
Foot and ankle orthopedics	22	22	0
Hand surgery	126	126	0
Musculoskeletal oncology	16	14	0
Orthopedic sports medicine	223	223	0
Orthopedic surgery of the spine	38	38	0
Orthopedic trauma	19	19	0
Pediatric orthopedics	38	38	0
Otolaryngology	1462	296	296
Neurotology	28	16	0
Pediatric otolaryngology	17	14	0
Pain medicine ^d	316	316	0
Pathology—atomic and clinical	2425	614	614
Blood banking/transfusion medicine	67	67	0
Chemical pathology	2	2	0
Cytopathology	149	149	0
Forensic pathology	68	68	0
Hematology	137	134	0
Medical microbiology	17	17	0
Neuropathology	67	37	0
Pediatric pathology	34	31	0
Selective pathology	156	155	0
Pediatrics	8476	2892	2892
Adolescent medicine	91	34	0
Child abuse pediatrics	9	3	0
Developmental-behavioral pediatrics	119	42	0
Neonatal-perinatal medicine	702	241	0
Pediatric cardiology	401	138	0
Pediatric critical care medicine	456	154	0
Pediatric emergency medicine	324	112	0
Pediatric endocrinology	278	92	0
Pediatric gastroenterology	265	89	0
Pediatric hematology/oncology	478	162	0
Pediatric infectious diseases	227	77	0
Pediatric nephrology	159	52	0
Pediatric pulmonology	188	63	0
Pediatric rheumatology	100	32	0
Pediatric sports medicine	19	14	0
Pediatric transplant hepatology	5	5	0
Physical medicine and rehabilitation	1268	355	85
Pediatric rehabilitation medicine	24	15	0
Spinal cord injury medicine	25	25	0
Sports medicine	9	9	0
Plastic surgery	374	139	0
Craniofacial surgery	5	5	0
Hand surgery	20	20	0
Plastic surgery—integrated ^e	406	71	71
Preventive medicine	500	282	14
Medical toxicology	7	4	0
Undersea and hyperbaric medicine	4	4	0
Psychiatry	5269	1319	1319
Addiction psychiatry	101	99	0
Child and adolescent psychiatry	885	439	0
Forensic psychiatry	99	99	0
Geriatric psychiatry	125	125	0
Psychosomatic medicine	110	110	0

(continued)

Appendix II, Table 10. Total Program Size and Number of First-Year Positions Available in ACGME-Accredited and in Combined Specialty Programs for the Next Academic Year (2011-2012) as Projected by Program Directors (continued)

Specialty/subspecialty	Total Program Size	Total No. of Program Year 1 Positions ^a	Total No. of Graduate Year 1 Positions ^b
Specialty/subspecialty			
Radiation oncology	650	170	0
Radiology—diagnostic	4703	1163	84
Abdominal radiology	52	52	0
Endovascular surgical neuroradiology	7	7	0
Musculoskeletal radiology	36	36	0
Neuroradiology	306	284	0
Nuclear radiology	31	31	0
Pediatric radiology	109	109	0
Vascular and interventional radiology	251	251	0
Sleep medicine ^f	164	161	0
Surgery—general	7637	2574	2574
Hand surgery	8	8	0
Pediatric surgery	74	38	0
Surgical critical care	215	212	0
Vascular surgery	260	129	0
Vascular surgery—integrated ^e	125	30	30
Thoracic surgery	275	117	0
Congenital cardiac surgery	10	10	0
Thoracic surgery—integrated ^e	63	12	12
Urology	1147	280	0
Pediatric urology	40	25	0
Transitional year	1209	1209	1209
Combined specialties			
Emergency medicine/family medicine	14	4	4
Family medicine/preventive medicine	16	4	4
Internal medicine/dermatology	43	8	8
Internal medicine/emergency medicine	130	25	25
Internal medicine/emergency medicine/critical care medicine	7	0	0
Internal medicine/family medicine	21	5	5
Internal medicine/medical genetics	19	5	5
Internal medicine/neurology	9	2	2
Internal medicine/pediatrics	1455	362	362
Internal medicine/preventive medicine	38	12	12
Internal medicine/psychiatry	101	23	23
Neurology/diagnostic radiology/neuroradiology	1	0	0
Pediatrics/anesthesiology	0	0	0
Pediatrics/dermatology	1	0	0
Pediatrics/emergency medicine	32	6	6
Pediatrics/medical genetics	53	14	14
Pediatrics/physical medicine and rehabilitation	19	5	5
Pediatrics/psychiatry/child and adolescent psychiatry	104	20	20
Psychiatry/family medicine	58	12	12
Psychiatry/neurology	23	7	7
Total	119 202	43 211	27 035

Abbreviation: ACGME, Accreditation Council for Graduate Medical Education.

^aProgram year 1 refers to the first year of training within a specific program; this may not correspond to the graduate year.^bGraduate year 1 (GY1) refers to positions available the first year after completing medical school. Although residents in GY1 positions are not required to have prior graduate medical education, some residents who fill these positions have had prior training.^cHospice and palliative medicine is a subspecialty of anesthesiology, emergency medicine, family medicine, internal medicine, neurology, obstetrics and gynecology, pediatrics, physical medicine and rehabilitation, psychiatry, radiology, or surgery.^dPain medicine is a subspecialty of anesthesiology, neurology, physical medicine and rehabilitation, or psychiatry.^eIntegrated programs differ from subspecialty programs in that they include core surgical education.^fSleep medicine is a subspecialty of family medicine, internal medicine, neurology, otolaryngology, pediatrics, or psychiatry.