

# Graduate Medical Education, 2012-2013

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The American Medical Association (AMA) and the Association of American Medical Colleges (AAMC) jointly sponsor and administer the National GME Census through GME Track, an Internet-based AAMC product, and also maintain a database of information on training programs accredited by the Accreditation Council for Graduate Medical Education (ACGME) and of the residents and fellows in them. From May until December 2012, all directors of programs accredited by the ACGME were asked to complete the program survey component of the census on GME Track. Information on the educational characteristics of the training programs is added to FREIDA Online, an Internet-based public information source on GME programs that is available to medical students and resident physicians.

In September 2012 we surveyed program directors about their active, transferred, and graduated residents and fellows for academic year 2012-2013. We provided program directors with lists of residents and fellows from the current database and asked the directors to confirm or modify the training status of trainees who were present in their programs the prior year; add new physicians to their program who were not already in our database; and 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 9384 active programs, of which 8943 (95.3%) completed the program survey and 8200 (87.4%) confirmed the status of all their active physicians-in-training, account-

ing for 109 755 (95.3%) of active trainees. An additional 89 programs (0.9%) confirmed some but not all of their trainees (2431 trainees, 2.1%), 236 confirmed that they did not have any trainees (2.5%), 271 programs (2.9%) confirmed the status of non-active trainees (graduates and transfers), but did not have any currently active trainees, and 588 programs (6.3%) did not confirm the status of any physician training in the program (including 389 programs that apparently did not have any active trainees). A total of 95.9% of all physicians in our database had their status confirmed (eg, active, graduated, transferred, withdrawn).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 = 2924 [2.5% of active residents]) or "graduated" based on expected graduation date (n = 1812 [4.6% of graduated residents and fellows]). In total, we estimate that there were 115 111 active residents in ACGME-accredited programs during the 2012-2013 academic year. The following tables contain data from these surveys.

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**Table 1. ACGME-Accredited and Combined Specialty GME Programs and Resident Physicians According to Medical School of Graduation and Specialty and Subspecialty, 2007-2012**

	No. (%)					
	2007-2008	2008-2009	2009-2010	2012-2011	2011-2012	2012-2013
No. of programs	8589	8694	8873	8967	9111	9384
No. of residents						
Total	106 012	108 176	109 840	111 586	113 427	115 111
GY1	25 171	25 848	26 219	26 386	26 263	26 018
GY1 residents with no prior GME	23 759	24 560	25 075	25 292	25 538	25 229
Medical school of graduation						
USMDs	70 056 (66.1)	71 119 (65.7)	71 871 (65.4)	72 840 (65.3)	74 328 (65.6)	74 963 (65.1)
IMGs	28 824 (27.2)	29 488 (27.3)	30 068 (27.4)	30 441 (27.3)	30 300 (26.7)	30 741 (26.7)
DOs	6784 (6.4)	7237 (6.7)	7628 (6.9)	8066 (7.2)	8615 (7.6)	9229 (8.0)
Canadian	341 (0.3)	326 (0.3)	273 (0.2)	239 (0.2)	184 (.2)	178 (0.2)
Unknown/other	7 (<0.1)	6 (<0.1)	0	0	0	0
Specialties						
Programs	4119 (48.0)	4100 (47.2)	4128 (46.5)	4131 (46.1)	4152 (45.6)	4207 (44.8)
Residents	89 618 (84.5)	90 907 (84.0)	91 963 (83.7)	93 153 (83.5)	94 486 (83.3)	94 990 (82.5)
Subspecialties						
Programs	4470 (52.0)	4594 (52.8)	4745 (53.5)	4836 (53.9)	4959 (54.4)	5180 (55.2)
Residents	16 394 (15.5)	17 269 (16.0)	17 877 (16.3)	18 433 (16.5)	18 941 (16.7)	20 121 (17.5)

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.

Table 2. Resident Physicians on Duty in ACGME-Accredited and in Combined Specialty GME Programs December 31, 2012

Specialty/Subspecialty	Total No. of Programs <sup>a</sup>	Resident Physicians, No. (%) <sup>b</sup>					
		Total	Female	USMDs	IMGs	Canadians	Osteopathic
Allergy and immunology	73	286 (0.2)	181 (63.3)	218 (76.2)	55 (19.2)	1 (0.3)	12 (4.2)
Anesthesiology	132	5507 (4.8)	1953 (35.5)	4351 (79.0)	666 (12.1)	3 (0.1)	487 (8.8)
Adult cardiothoracic anesthesiology	58	150 (0.1)	39 (26.0)	114 (76.0)	21 (14.0)	2 (1.3)	13 (8.7)
Critical care medicine	51	142 (0.1)	51 (35.9)	111 (78.2)	21 (14.8)	0	10 (7.0)
Obstetric anesthesiology	13	15 (<0.1)	9 (60.0)	12 (80.0)	3 (20.0)	0	0
Pediatric anesthesiology	46	205 (0.2)	118 (57.6)	158 (77.1)	30 (14.6)	1 (0.5)	16 (7.8)
Colon and rectal surgery	55	70 (0.1)	22 (31.4)	55 (78.6)	11 (15.7)	1 (1.4)	3 (4.3)
Dermatology	114	1191 (1.0)	767 (64.4)	1136 (95.4)	47 (3.9)	0	8 (0.7)
Dermatopathology	55	82 (0.1)	49 (59.8)	65 (79.3)	12 (14.6)	2 (2.4)	3 (3.7)
Procedural dermatology	56	50 (<0.1)	24 (48.0)	46 (92.0)	1 (2.0)	0	3 (6.0)
Emergency medicine	160	5458 (4.7)	2085 (38.2)	4420 (81.0)	389 (7.1)	2 (<0.1)	647 (11.9)
Medical toxicology	27	52 (<0.1)	23 (44.2)	40 (76.9)	7 (13.5)	0	5 (9.6)
Pediatric emergency medicine	20	77 (0.1)	53 (68.8)	54 (70.1)	14 (18.2)	0	9 (11.7)
Sports medicine	4	9 (<0.1)	3 (33.3)	5 (55.6)	1 (11.1)	0	3 (33.3)
Undersea and hyperbaric medicine	6	5 (<0.1)	2 (40.0)	2 (40.0)	3 (60.0)	0	0
Family medicine	462	9934 (8.6)	5486 (55.2)	4567 (46.0)	3567 (35.9)	3 (<0.1)	1797 (18.1)
Geriatric medicine	41	65 (0.1)	36 (55.4)	28 (43.1)	32 (49.2)	0	5 (7.7)
Sports medicine	117	158 (0.1)	52 (32.9)	85 (53.8)	45 (28.5)	0	28 (17.7)
Hospice and palliative medicine <sup>c</sup>	89	164 (0.1)	95 (57.9)	88 (53.7)	57 (34.8)	1 (0.6)	18 (11.0)
Internal medicine	385	22 710 (19.7)	9863 (43.4)	11 228 (49.4)	9806 (43.2)	22 (0.1)	1654 (7.3)
Advanced heart failure and transplant cardiology	24	31 (<0.1)	14 (45.2)	19 (61.3)	7 (22.6)	2 (6.5)	3 (9.7)
Cardiovascular disease	188	2514 (2.2)	540 (21.5)	1403 (55.8)	1006 (40.0)	6 (0.2)	99 (3.9)
Clinical cardiac electrophysiology	103	173 (0.2)	17 (9.8)	89 (51.4)	75 (43.4)	3 (1.7)	6 (3.5)
Critical care medicine	34	197 (0.2)	55 (27.9)	65 (33.0)	119 (60.4)	2 (1.0)	11 (5.6)
Endocrinology, diabetes, and metabolism	132	611 (0.5)	415 (67.9)	275 (45.0)	309 (50.6)	3 (0.5)	24 (3.9)
Gastroenterology	160	1407 (1.2)	488 (34.7)	901 (64.0)	439 (31.2)	3 (0.2)	64 (4.5)
Geriatric medicine	105	246 (0.2)	154 (62.6)	73 (29.7)	153 (62.2)	0	20 (8.1)
Hematology	3	42 (<0.1)	16 (38.1)	30 (71.4)	11 (26.2)	0	1 (2.4)
Hematology and oncology	135	1531 (1.3)	722 (47.2)	804 (52.5)	650 (42.5)	4 (0.3)	73 (4.8)
Infectious disease	147	812 (0.7)	415 (51.1)	383 (47.2)	385 (47.4)	3 (0.4)	41 (5.0)
Interventional cardiology	141	300 (0.3)	26 (8.7)	141 (47.0)	141 (47.0)	0	18 (6.0)
Nephrology	149	928 (0.80)	386 (41.6)	272 (29.3)	611 (65.8)	2 (0.2)	43 (4.6)
Oncology	13	102 (0.1)	49 (48.0)	33 (32.4)	62 (60.8)	1 (1.0)	6 (5.9)
Pulmonary disease	21	83 (0.1)	20 (24.1)	4 (4.8)	75 (90.4)	0	4 (4.8)
Pulmonary disease and critical care medicine	138	1444 (1.3)	492 (34.1)	695 (48.1)	650 (45.0)	5 (0.3)	94 (6.5)
Rheumatology	112	420 (0.4)	271 (64.5)	191 (45.5)	189 (45.0)	1 (0.2)	39 (9.3)
Transplant hepatology	38	32 (<0.1)	14 (43.8)	25 (78.1)	5 (15.6)	2 (6.3)	0
Medical genetics	48	78 (0.1)	50 (64.1)	45 (57.7)	33 (42.3)	0	0
Medical biochemical genetics	11	9 (<0.1)	6 (66.7)	4 (44.4)	5 (55.6)	0	0
Molecular genetic pathology	34	41 (<0.1)	18 (43.9)	20 (48.8)	16 (39.0)	1 (2.4)	4 (9.8)
Neurological surgery	102	1229 (1.1)	196 (15.9)	1106 (90.0)	118 (9.6)	0	5 (0.4)
Endovascular surgical neuroradiology	2	3 (<0.1)	0	3 (100.0)	0	0	0
Neurology	130	2051 (1.8)	948 (46.2)	1123 (54.8)	753 (36.7)	3 (0.1)	172 (8.4)
Child neurology	70	307 (0.3)	184 (59.9)	193 (62.9)	100 (32.6)	0	14 (4.6)
Clinical neurophysiology	95	227 (0.2)	104 (45.8)	133 (58.6)	73 (32.2)	2 (0.9)	19 (8.4)
Endovascular surgical neuroradiology	2	2 (<0.1)	0	1 (50.0)	1 (50.0)	0	0
Neurodevelopmental disabilities	9	16 (<0.1)	14 (87.5)	14 (87.5)	2 (12.5)	0	0
Neuromuscular medicine	35	46 (<0.1)	25 (54.3)	27 (58.7)	16 (34.8)	2 (4.3)	1 (2.2)
Vascular neurology	74	94 (0.1)	39 (41.5)	45 (47.9)	40 (42.6)	1 (1.1)	8 (8.5)

(continued)

Table 2. Resident Physicians on Duty in ACGME-Accredited and in Combined Specialty GME Programs December 31, 2012 (continued)

Specialty/Subspecialty	Total No. of Programs <sup>a</sup>	Resident Physicians, No. (%) <sup>b</sup>					
		Total	Female	USMDs	IMGs	Canadians	Osteopathic
Nuclear medicine	53	109 (0.1)	38 (34.9)	36 (33.0)	67 (61.5)	1 (0.9)	5 (4.6)
Obstetrics and gynecology	243	4931 (4.3)	4062 (82.4)	3718 (75.4)	708 (14.4)	2 (<0.1)	503 (10.2)
Female pelvic medicine and reconstructive surgery	38	12 (<0.1)	11 (91.7)	9 (75.0)	1 (8.3)	1 (8.3)	1 (8.3)
Ophthalmology	117	1343 (1.2)	588 (43.8)	1252 (93.2)	73 (5.4)	1 (0.1)	17 (1.3)
Ophthalmic plastic and reconstructive surgery	5	5 (<0.1)	1 (20.0)	5 (100.0)	0	0	0
Orthopedic surgery	154	3501 (3.0)	484 (13.8)	3383 (96.6)	83 (2.4)	0	35 (1.0)
Adult reconstructive orthopedics	21	42 (<0.1)	1 (2.4)	26 (61.9)	12 (28.6)	2 (4.8)	2 (4.8)
Foot and ankle orthopedics	8	8 (<0.1)	2 (25.0)	8 (100.0)	0	0	0
Hand surgery	60	111 (0.1)	20 (18.0)	99 (89.2)	7 (6.3)	1 (0.9)	4 (3.6)
Musculoskeletal oncology	11	12 (<0.1)	4 (33.3)	8 (66.7)	1 (8.3)	1 (8.3)	2 (16.7)
Orthopedic sports medicine	97	188 (0.2)	14 (7.4)	147 (78.2)	18 (9.6)	3 (1.6)	20 (10.6)
Orthopedic surgery of the spine	18	31 (<0.1)	1 (3.2)	17 (54.8)	11 (35.5)	0	3 (9.7)
Orthopedic trauma	10	17 (<0.1)	2 (11.8)	13 (76.5)	1 (5.9)	2 (11.8)	1 (5.9)
Pediatric orthopedics	24	36 (<0.1)	14 (38.9)	24 (66.7)	11 (30.6)	0	1 (2.8)
Otolaryngology	105	1445 (1.3)	503 (34.8)	1412 (97.7)	25 (1.7)	2 (0.1)	6 (0.4)
Neurotology	18	19 (<0.1)	6 (31.6)	18 (94.7)	0	1 (5.3)	0
Pediatric otolaryngology	19	25 (<0.1)	7 (28.0)	24 (96.0)	1 (4.0)	0	0
Pain medicine <sup>d</sup>	97	280 (0.2)	65 (23.2)	189 (67.5)	59 (21.1)	0	32 (11.4)
Pathology-anatomic and clinical	144	2282 (2.0)	1245 (54.6)	1337 (58.6)	774 (33.9)	1 (<0.1)	170 (7.4)
Blood banking/transfusion medicine	48	50 (<0.1)	26 (52.0)	32 (64.0)	14 (28.0)	0	4 (8.0)
Chemical pathology	2	1 (<0.1)	1 (100.0)	0	0	0	1 (100.0)
Cytopathology	92	123 (0.1)	69 (56.1)	68 (55.3)	48 (39.0)	2 (1.6)	5 (4.1)
Forensic pathology	36	35 (<0.1)	24 (68.6)	25 (71.4)	4 (11.4)	1 (2.9)	5 (14.3)
Hematology	85	123 (0.1)	64 (52.0)	69 (56.1)	51 (41.5)	0	3 (2.4)
Medical microbiology	13	9 (<0.1)	6 (66.7)	6 (66.7)	2 (22.2)	1 (11.1)	0
Neuropathology	33	41 (<0.1)	20 (48.8)	20 (48.8)	20 (48.8)	0	1 (2.4)
Pediatric pathology	27	17 (<0.1)	10 (58.8)	9 (52.9)	7 (41.2)	0	1 (5.9)
Selective pathology	70	138 (0.1)	74 (53.6)	63 (45.7)	65 (47.1)	4 (2.9)	6 (4.3)
Pediatrics	199	8332 (7.2)	6123 (73.5)	5527 (66.3)	1924 (23.1)	7 (0.1)	874 (10.5)
Adolescent medicine	28	75 (0.1)	67 (89.3)	59 (78.7)	11 (14.7)	0	5 (6.7)
Child abuse pediatrics	22	32 (<0.1)	25 (78.1)	29 (90.6)	2 (6.3)	0	1 (3.1)
Developmental-behavioral pediatrics	36	98 (0.1)	79 (80.6)	64 (65.3)	25 (25.5)	0	9 (9.2)
Neonatal-perinatal medicine	97	655 (0.6)	420 (64.1)	369 (56.3)	238 (36.3)	0	48 (7.3)
Pediatric cardiology	55	426 (0.4)	187 (43.9)	293 (68.8)	104 (24.4)	6 (1.4)	23 (5.4)
Pediatric critical care medicine	63	397 (0.3)	216 (54.4)	234 (58.9)	129 (32.5)	0	34 (8.6)
Pediatric emergency medicine	51	335 (0.3)	235 (70.1)	250 (74.6)	48 (14.3)	4 (1.2)	33 (9.9)
Pediatric endocrinology	67	254 (0.2)	201 (79.1)	150 (59.1)	86 (33.9)	0	18 (7.1)
Pediatric gastroenterology	57	268 (0.2)	168 (62.7)	166 (61.9)	83 (31.0)	2 (0.7)	17 (6.3)
Pediatric hematology/oncology	68	438 (0.4)	294 (67.1)	290 (66.2)	126 (28.8)	1 (0.2)	21 (4.8)
Pediatric infectious diseases	61	178 (0.2)	119 (66.9)	115 (64.6)	54 (30.3)	1 (0.6)	8 (4.5)
Pediatric nephrology	40	120 (0.1)	74 (61.7)	58 (48.3)	59 (49.2)	0	3 (2.5)
Pediatric pulmonology	50	163 (0.1)	111 (68.1)	88 (54.0)	62 (38.0)	2 (1.2)	11 (6.7)
Pediatric rheumatology	33	72 (0.1)	56 (77.8)	50 (69.4)	19 (26.4)	0	3 (4.2)
Pediatric sports medicine	14	22 (<0.1)	10 (45.5)	17 (77.3)	4 (18.2)	0	1 (4.5)
Pediatric transplant hepatology	6	5 (<0.1)	3 (60.0)	3 (60.0)	2 (40.0)	0	0
Physical medicine and rehabilitation	77	1224 (1.1)	471 (38.5)	637 (52.0)	242 (19.8)	1 (0.1)	344 (28.1)
Pediatric rehabilitation medicine	17	17 (<0.1)	12 (70.6)	10 (58.8)	1 (5.9)	0	6 (35.3)
Spinal cord injury medicine	18	13 (<0.1)	6 (46.2)	7 (53.8)	4 (30.8)	0	2 (15.4)
Sports medicine	12	11 (<0.1)	4 (36.4)	8 (72.7)	2 (18.2)	0	1 (9.1)

(continued)

Table 2. Resident Physicians on Duty in ACGME-Accredited and in Combined Specialty GME Programs December 31, 2012 (continued)

Specialty/Subspecialty	Total No. of Programs <sup>a</sup>	Resident Physicians, No. (%) <sup>b</sup>					
		Total	Female	USMDs	IMGs	Canadians	Osteopathic
Plastic surgery	72	335 (0.3)	85 (25.4)	286 (85.4)	42 (12.5)	2 (0.6)	5 (1.5)
Craniofacial surgery	6	4 (<0.1)	0	4 (100.0)	0	0	0
Hand surgery	16	21 (<0.1)	5 (23.8)	18 (85.7)	0	2 (9.5)	1 (4.8)
Plastic surgery-integrated <sup>e</sup>	49	438 (0.4)	161 (36.8)	421 (96.1)	14 (3.2)	0	3 (0.7)
Preventive medicine	73	285 (0.2)	161 (56.5)	207 (72.6)	55 (19.3)	2 (0.7)	21 (7.4)
Medical toxicology	2	1 (<0.1)	0	1 (100.0)	0	0	0
Undersea and hyperbaric medicine	2	2 (<0.1)	0	2 (100.0)	0	0	0
Psychiatry	184	4826 (4.2)	2630 (54.5)	2721 (56.4)	1567 (32.5)	4 (0.1)	534 (11.1)
Addiction psychiatry	45	64 (0.1)	26 (40.6)	38 (59.4)	25 (39.1)	0	1 (1.6)
Child and adolescent psychiatry	123	851 (0.7)	511 (60.0)	448 (52.6)	317 (37.3)	0	86 (10.1)
Forensic psychiatry	36	65 (0.1)	27 (41.5)	44 (67.7)	16 (24.6)	0	5 (7.7)
Geriatric psychiatry	55	68 (0.1)	46 (67.6)	30 (44.1)	33 (48.5)	1 (1.5)	4 (5.9)
Psychosomatic medicine	53	53 (<0.1)	38 (71.7)	32 (60.4)	20 (37.7)	0	1 (1.9)
Radiation oncology	87	663 (0.6)	200 (30.2)	633 (95.5)	19 (2.9)	0	11 (1.7)
Radiology-diagnostic	187	4438 (3.9)	1233 (27.8)	3875 (87.3)	349 (7.9)	2 (<0.1)	212 (4.8)
Abdominal radiology	10	32 (<0.1)	7 (21.9)	20 (62.5)	9 (28.1)	2 (6.3)	1 (3.1)
Endovascular surgical neuroradiology	3	4 (<0.1)	0	2 (50.0)	2 (50.0)	0	0
Musculoskeletal radiology	14	23 (<0.1)	8 (34.8)	14 (60.9)	5 (21.7)	1 (4.3)	3 (13.0)
Neuroradiology	85	232 (0.2)	45 (19.4)	157 (67.7)	57 (24.6)	6 (2.6)	12 (5.2)
Nuclear radiology	19	11 (<0.1)	2 (18.2)	8 (72.7)	3 (27.3)	0	0
Pediatric radiology	46	85 (0.1)	42 (49.4)	64 (75.3)	19 (22.4)	0	2 (2.4)
Vascular and interventional radiology	92	195 (0.2)	30 (15.4)	153 (78.5)	34 (17.4)	0	8 (4.1)
Sleep medicine <sup>f</sup>	74	136 (0.1)	51 (37.5)	56 (41.2)	71 (52.2)	3 (2.2)	6 (4.4)
Surgery-general	251	7828 (6.8)	2903 (37.1)	6163 (78.7)	1405 (17.9)	4 (0.1)	256 (3.3)
Complex general surgical oncology	13	26 (<0.1)	8 (30.8)	22 (84.6)	4 (15.4)	0	0
Hand surgery	1	8 (<0.1)	2 (25.0)	2 (25.0)	4 (50.0)	0	2 (25.0)
Pediatric surgery	43	78 (0.1)	31 (39.7)	75 (96.2)	3 (3.8)	0	0
Surgical critical care	107	191 (0.2)	74 (38.7)	140 (73.3)	29 (15.2)	4 (2.1)	18 (9.4)
Vascular surgery	106	238 (0.2)	66 (27.7)	169 (71.0)	55 (23.1)	2 (0.8)	12 (5.0)
Vascular surgery-integrated <sup>e</sup>	43	141 (0.1)	55 (39.0)	128 (90.8)	12 (8.5)	0	1 (0.7)
Thoracic surgery	67	212 (0.2)	42 (19.8)	143 (67.5)	52 (24.5)	3 (1.4)	14 (6.6)
Congenital cardiac surgery	11	6 (<0.1)	2 (33.3)	4 (66.7)	2 (33.3)	0	0
Thoracic surgery-integrated <sup>e</sup>	18	58 (0.1)	14 (24.1)	50 (86.2)	6 (10.3)	0	2 (3.4)
Urology	124	1141 (1.0)	272 (23.8)	1077 (94.4)	53 (4.6)	0	11 (1.0)
Female pelvic medicine and reconstructive surgery	8	0	0	0	0	0	0
Pediatric urology	25	33 (<0.1)	12 (36.4)	28 (84.8)	1 (3.0)	4 (12.1)	0
Transitional year	110	969 (0.8)	340 (35.1)	814 (84.0)	82 (8.5)	0	73 (7.5)
<b>Combined Specialties</b>							
Emergency medicine/family medicine	2	12 (<0.1)	7 (58.3)	6 (50.0)	2 (16.7)	0	4 (33.3)
Family medicine/preventive medicine	2	14 (<0.1)	9 (64.3)	9 (64.3)	3 (21.4)	0	2 (14.3)
Internal medicine/anesthesiology	2	0	0	0	0	0	0
Internal medicine/dermatology	9	40 (<0.1)	25 (62.5)	40 (100.0)	0	0	0
Internal medicine/emergency medicine	13	116 (0.1)	40 (34.5)	96 (82.8)	12 (10.3)	0	8 (6.9)
Internal medicine/emergency medicine/critical care medicine	3	6 (<0.1)	1 (16.7)	4 (66.7)	1 (16.7)	0	1 (16.7)
Internal medicine/family medicine	2	15 (<0.1)	6 (40.0)	8 (53.3)	4 (26.7)	0	3 (20.0)
Internal medicine/medical genetics	4	6 (<0.1)	5 (83.3)	4 (66.7)	2 (33.3)	0	0
Internal medicine/neurology	3	7 (<0.1)	1 (14.3)	6 (85.7)	0	0	1 (14.3)
Internal medicine/pediatrics	80	1422 (1.2)	828 (58.2)	1143 (80.4)	175 (12.3)	2 (0.1)	102 (7.2)
Internal medicine/preventive medicine	5	28 (<0.1)	13 (46.4)	12 (42.9)	13 (46.4)	0	3 (10.7)

(continued)

Table 2. Resident Physicians on Duty in ACGME-Accredited and in Combined Specialty GME Programs December 31, 2012 (continued)

	Total No. of Programs <sup>a</sup>	Resident Physicians, No. (%) <sup>b</sup>					
		Total	Female	USMDs	IMGs	Canadians	Osteopathic
<b>Combined Specialties</b>							
Internal medicine/psychiatry	11	83 (0.1)	37 (44.6)	49 (59.0)	29 (34.9)	0	5 (6.0)
Pediatrics/anesthesiology	5	9 (<0.1)	6 (66.7)	9 (100.0)	0	0	0
Pediatrics/emergency medicine	3	34 (<0.1)	20 (58.8)	30 (88.2)	2 (5.9)	0	2 (5.9)
Pediatrics/medical genetics	15	27 (<0.1)	20 (74.1)	22 (81.5)	5 (18.5)	0	0
Pediatrics/physical medicine and rehabilitation	4	14 (<0.1)	9 (64.3)	14 (100.0)	0	0	0
Pediatrics/psychiatry/child and adolescent psychiatry	10	78 (0.1)	54 (69.2)	64 (82.1)	7 (9.0)	0	7 (9.0)
Psychiatry/family medicine	7	48 (<0.1)	34 (70.8)	43 (89.6)	1 (2.1)	0	4 (8.3)
Psychiatry/neurology	6	16 (<0.1)	7 (43.8)	14 (87.5)	0	0	2 (12.5)
<b>Total</b>	<b>9384</b>	<b>115 111 (100.0)</b>	<b>53 083 (46.1)</b>	<b>74 963 (65.1)</b>	<b>30 741 (26.7)</b>	<b>178 (0.2)</b>	<b>9229 (8.0)</b>

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

<sup>a</sup> Total number of US GME programs accredited by the ACGME and combined specialty programs, as of December 31, 2012, surveyed by National GME Census during 2012.

<sup>b</sup> Includes resident physicians on duty as of December 31, 2012, reported through the 2012 National GME Census. A total of 199 programs (2.1%) did not provide updated information on residents by March 1, 2013. For these nonresponding programs, resident physicians reported from the last received survey were moved into their next year in the program or graduated.

<sup>c</sup> Hospice 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.

<sup>d</sup> Pain medicine is a subspecialty of anesthesiology, neurology, physical medicine and rehabilitation, or psychiatry.

<sup>e</sup> Integrated programs differ from subspecialty programs in that they include core surgical education.

<sup>f</sup> Sleep medicine is a subspecialty of family medicine, internal medicine, neurology, otolaryngology, pediatrics, or psychiatry.

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, 2012, in ACGME-Accredited Programs and in Combined Specialty Programs

Specialty/Subspecialty	Total No. of Residents <sup>a</sup>	No. of Residents in Program Year 1 Positions <sup>b</sup>	No. of Residents in Graduate Year 1 Positions With Prior US GME <sup>c</sup>	No. of Residents in Graduate Year 1 Positions Without Prior US GME <sup>c</sup>
Allergy and immunology	286	126	0	0
Anesthesiology	5507	1213	111	767
Adult cardiothoracic anesthesiology	150	150	0	0
Critical care medicine	142	140	0	0
Obstetric anesthesiology	15	14	0	0
Pediatric anesthesiology	205	205	0	0
Colon and rectal surgery	70	69	0	0
Dermatology	1191	376	0	1
Dermatopathology	82	80	0	0
Procedural dermatology	50	50	0	0
Emergency medicine	5458	1719	107	1604
Medical toxicology	52	29	0	0
Pediatric emergency medicine	77	34	0	0
Sports medicine	9	9	0	0
Undersea and hyperbaric medicine	5	5	0	0
Family medicine	9934	3416	106	3310
Geriatric medicine	65	60	0	0
Sports medicine	158	156	0	0
Hospice and palliative medicine <sup>d</sup>	164	163	0	0
Internal medicine	22710	8820	133	8687
Advanced heart failure and transplant cardiology	31	31	0	0
Cardiovascular disease	2514	851	0	0
Clinical cardiac electrophysiology	173	134	0	0

(continued)

**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, 2012, in ACGME-Accredited Programs and in Combined Specialty Programs (continued)**

Specialty/Subspecialty	Total No. of Residents <sup>a</sup>	No. of Residents in Program Year 1 Positions <sup>b</sup>	No. of Residents in Graduate Year 1 Positions With Prior US GME <sup>c</sup>	No. of Residents in Graduate Year 1 Positions Without Prior US GME <sup>c</sup>
Internal medicine (continued)				
Critical care medicine	197	116	0	0
Endocrinology, diabetes, and metabolism	611	274	0	0
Gastroenterology	1407	468	0	0
Geriatric medicine	246	236	0	0
Hematology	42	10	0	0
Hematology and oncology	1531	516	0	0
Infectious disease	812	359	0	0
Interventional cardiology	300	288	0	0
Nephrology	928	441	0	0
Oncology	102	46	0	0
Pulmonary disease	83	43	0	0
Pulmonary disease and critical care medicine	1444	490	0	0
Rheumatology	420	200	0	0
Transplant hepatology	32	31	0	0
Medical genetics	78	36	1	0
Medical biochemical genetics	9	9	0	0
Molecular genetic pathology	41	38	0	0
Neurological surgery	1229	187	5	182
Endovascular surgical neuroradiology	3	1	0	0
Neurology	2051	577	25	198
Child neurology	307	110	0	0
Clinical neurophysiology	227	221	0	0
Endovascular surgical neuroradiology	2	2	0	0
Neurodevelopmental disabilities	16	3	0	0
Neuromuscular medicine	46	46	0	0
Vascular neurology	94	92	0	0
Nuclear medicine	109	40	0	0
Obstetrics and gynecology	4931	1270	32	1238
Female pelvic medicine and reconstructive surgery	12	4	0	0
Ophthalmology	1343	447	0	0
Ophthalmic plastic and reconstructive surgery	5	4	0	0
Orthopedic surgery	3501	700	19	680
Adult reconstructive orthopedics	42	41	0	0
Foot and ankle orthopedics	8	8	0	0
Hand surgery	111	110	0	0
Musculoskeletal oncology	12	12	0	0
Orthopedic sports medicine	188	188	0	0
Orthopedic surgery of the spine	31	29	0	0
Orthopedic trauma	17	16	0	0
Pediatric orthopedics	36	36	0	0
Otolaryngology	1445	264	5	259
Neurotology	19	8	0	0
Pediatric otolaryngology	25	21	0	0
Pain medicine <sup>e</sup>	280	278	0	0
Pathology-anatomic and clinical	2282	590	36	554
Blood banking/transfusion medicine	50	45	0	0
Chemical pathology	1	1	0	0

(continued)

**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, 2012, in ACGME-Accredited Programs and in Combined Specialty Programs (continued)**

Specialty/Subspecialty	Total No. of Residents <sup>a</sup>	No. of Residents in Program Year 1 Positions <sup>b</sup>	No. of Residents in Graduate Year 1 Positions With Prior US GME <sup>c</sup>	No. of Residents in Graduate Year 1 Positions Without Prior US GME <sup>c</sup>
Pathology-anatomic and clinical (continued)				
Cytopathology	123	122	0	0
Forensic pathology	35	35	0	0
Hematology	123	119	0	0
Medical microbiology	9	7	0	0
Neuropathology	41	22	0	0
Pediatric pathology	17	16	0	0
Selective pathology	138	137	0	0
Pediatrics	8332	2718	39	2679
Adolescent medicine	75	33	0	0
Child abuse pediatrics	32	11	0	0
Developmental-behavioral pediatrics	98	32	0	0
Neonatal-perinatal medicine	655	230	0	0
Pediatric cardiology	426	142	0	0
Pediatric critical care medicine	397	136	0	0
Pediatric emergency medicine	335	121	0	0
Pediatric endocrinology	254	84	0	0
Pediatric gastroenterology	268	89	0	0
Pediatric hematology/oncology	438	156	0	0
Pediatric infectious diseases	178	59	0	0
Pediatric nephrology	120	41	0	0
Pediatric pulmonology	163	56	0	0
Pediatric rheumatology	72	26	0	0
Pediatric sports medicine	22	19	0	0
Pediatric transplant hepatology	5	4	0	0
Physical medicine and rehabilitation	1224	343	5	69
Pediatric rehabilitation medicine	17	9	0	0
Spinal cord injury medicine	13	13	0	0
Sports medicine	11	11	0	0
Plastic surgery	335	125	4	0
Craniofacial surgery	4	4	0	0
Hand surgery	21	21	0	0
Plastic surgery-integrated <sup>f</sup>	438	97	4	93
Preventive medicine	285	139	0	0
Medical toxicology	1	0	0	0
Undersea and hyperbaric medicine	2	2	0	0
Psychiatry	4826	1233	39	1194
Addiction psychiatry	64	60	0	0
Child and adolescent psychiatry	851	429	0	2
Forensic psychiatry	65	64	0	0
Geriatric psychiatry	68	68	0	0
Psychosomatic medicine	53	51	0	0
Radiation oncology	663	172	0	0
Radiology-diagnostic	4438	1060	32	42
Abdominal radiology	32	32	0	0
Endovascular surgical neuroradiology	4	4	0	0
Musculoskeletal radiology	23	23	0	0
Neuroradiology	232	201	0	0

(continued)

**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, 2012, in ACGME-Accredited Programs and in Combined Specialty Programs (continued)**

Specialty/Subspecialty	Total No. of Residents <sup>a</sup>	No. of Residents in Program Year 1 Positions <sup>b</sup>	No. of Residents in Graduate Year 1 Positions With Prior US GME <sup>c</sup>	No. of Residents in Graduate Year 1 Positions Without Prior US GME <sup>c</sup>
<b>Specialty/Subspecialty</b>				
Radiology-diagnostic (continued)				
Nuclear radiology	11	9	0	0
Pediatric radiology	85	84	0	0
Vascular and interventional radiology	195	193	0	0
Sleep medicine <sup>d</sup>	136	134	0	0
Surgery-general	7828	2243	72	2171
Complex general surgical oncology	26	13	0	0
Hand surgery	8	8	0	0
Pediatric surgery	78	35	0	0
Surgical critical care	191	179	0	0
Vascular surgery	238	116	0	0
Vascular surgery-integrated <sup>f</sup>	141	43	6	37
Thoracic surgery	212	86	0	0
Congenital cardiac surgery	6	6	0	0
Thoracic surgery-integrated <sup>f</sup>	58	18	0	18
Urology	1141	260	0	10
Pediatric urology	33	19	0	0
Transitional year	969	969	3	966
<b>Combined Specialties</b>				
Emergency medicine/family medicine	12	2	0	2
Family medicine/preventive medicine	14	3	0	3
Internal medicine/dermatology	40	7	0	7
Internal medicine/emergency medicine	116	25	0	25
Internal medicine/emergency medicine/critical care medicine	6	0	0	0
Internal medicine/family medicine	15	4	0	4
Internal medicine/medical genetics	6	1	0	1
Internal medicine/neurology	7	2	0	2
Internal medicine/pediatrics	1422	365	4	361
Internal medicine/preventive medicine	28	7	0	7
Internal medicine/psychiatry	83	16	0	16
Pediatrics/anesthesiology	9	5	0	5
Pediatrics/emergency medicine	34	6	0	6
Pediatrics/medical genetics	27	6	0	6
Pediatrics/physical medicine and rehabilitation	14	2	0	2
Pediatrics/psychiatry/child and adolescent psychiatry	78	9	0	9
Psychiatry/family medicine	48	10	0	10
Psychiatry/neurology	16	3	1	2
<b>Total</b>	<b>115 111</b>	<b>40 266</b>	<b>789</b>	<b>25 229</b>

Abbreviation: GME, graduate medical education.

<sup>a</sup> Includes resident physicians on duty as of December 31, 2012, reported through the 2012 National GME Census. A total of 199 programs (2.1%) did not provide updated information on residents by March 1, 2013. For these nonresponding programs, resident physicians reported from the last received survey were moved into their next year in the program or graduated.

<sup>b</sup> Program year 1 refers to the first year of training within a specific program; this may not correspond to the graduate year.

<sup>c</sup> Graduate year 1 refers to positions available the first year after completing medical school; approximately 3.0% of resident physicians in graduate year 1 positions have had some prior US graduate medical education (GME).

<sup>d</sup> Hospice 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.

<sup>e</sup> Pain medicine is a subspecialty of anesthesiology, neurology, physical medicine and rehabilitation, or psychiatry.

<sup>f</sup> Integrated programs differ from subspecialty programs in that they include core surgical education.

<sup>g</sup> Sleep medicine is a subspecialty of family medicine, internal medicine, neurology, otolaryngology, pediatrics, or psychiatry.



Table 4. Programs and Resident Physicians on Duty December 31, 2012, by Number per 100 000 and by Region and State

Region and State	No. of Resident Physicians per 100 000 <sup>a</sup>	2012 State Population in 1000s <sup>b</sup>	No. (%)	
			Programs <sup>c</sup>	Resident Physicians <sup>d</sup>
New England, subtotal	65	14 563	760 (8.1)	9518 (8.3)
Connecticut	61	3590	174 (1.9)	2177 (1.9)
Maine	24	1329	23 (0.2)	315 (0.3)
Massachusetts	84	6646	417 (4.4)	5564 (4.8)
New Hampshire	31	1321	46 (0.5)	410 (0.4)
Rhode Island	73	1050	64 (0.7)	771 (0.7)
Vermont	45	626	36 (0.4)	281 (0.2)
Middle Atlantic, subtotal	64	41 198	1929 (20.6)	26 454 (23.0)
New Jersey	31	8865	201 (2.1)	2766 (2.4)
New York	81	19 570	1119 (11.9)	15 904 (13.8)
Pennsylvania	61	12 764	609 (6.5)	7784 (6.8)
East North Central, subtotal	42	46 567	1606 (17.1)	19 759 (17.2)
Illinois	46	1875	447 (4.8)	5969 (5.2)
Indiana	21	6537	111 (1.2)	1364 (1.2)
Michigan	49	9883	378 (4.0)	4884 (4.2)
Ohio	49	11 544	494 (5.3)	5713 (5.0)
Wisconsin	32	5726	176 (1.9)	1829 (1.6)
West North Central, subtotal	36	20 750	637 (6.8)	7517 (6.5)
Iowa	28	3074	83 (0.9)	853 (0.7)
Kansas	26	2886	58 (0.6)	757 (0.7)
Minnesota	42	5379	193 (2.1)	2270 (2.0)
Missouri	45	6022	227 (2.4)	2696 (2.3)
Nebraska	38	1856	59 (0.6)	696 (0.6)
North Dakota	17	700	7 (0.1)	121 (0.1)
South Dakota	15	833	10 (0.1)	124 (0.1)
South Atlantic, subtotal	29	61 189	1571 (16.7)	17 584 (15.3)
Delaware	29	917	23 (0.2)	268 (0.2)
District of Columbia	276	632	171 (1.8)	1747 (1.5)
Florida	19	19 318	337 (3.6)	3688 (3.2)
Georgia	21	9920	179 (1.9)	2112 (1.8)
Maryland	44	5885	218 (2.3)	2573 (2.2)
North Carolina	32	9752	266 (2.8)	3129 (2.7)
South Carolina	26	4724	103 (1.1)	1238 (1.1)
Virginia	26	8186	209 (2.2)	2132 (1.9)
West Virginia	38	1855	65 (0.7)	697 (0.6)
East South Central, subtotal	28	18 644	458 (4.9)	5256 (4.6)
Alabama	27	4822	111 (1.2)	1290 (1.1)
Kentucky	26	4380	109 (1.2)	1118 (1.0)
Mississippi	19	2985	50 (0.5)	557 (0.5)
Tennessee	35	6456	188 (2.0)	2291 (2.0)
West South Central, subtotal	29	37 425	893 (9.5)	10 937 (9.5)
Arkansas	25	2949	65 (0.7)	743 (0.6)
Louisiana	43	4602	163 (1.7)	1963 (1.7)
Oklahoma	22	3815	70 (0.7)	841 (0.7)
Texas	28	26 059	595 (6.3)	7390 (6.4)
Mountain, subtotal	20	22 618	387 (4.1)	4509 (3.9)
Arizona	24	6553	122 (1.3)	1553 (1.3)
Colorado	24	5188	105 (1.1)	1248 (1.1)
Idaho	5	1596	7 (0.1)	85 (0.1)
Montana	2	1005	3 (<0.1)	22 (<0.1)
Nevada	11	2759	21 (0.2)	304 (0.3)
New Mexico	26	2086	55 (0.6)	544 (0.5)
Utah	25	2855	72 (0.8)	711 (0.6)
Wyoming	7	576	2 (<0.1)	42 (<0.1)

(continued)

**Table 4. Programs and Resident Physicians on Duty December 31, 2012, by Number per 100 000 and by Region and State (continued)**

Region and State	No. of Resident Physicians per 100 000 <sup>a</sup>	2012 State Population in 1000s <sup>b</sup>	No. (%)	
			Programs <sup>c</sup>	Resident Physicians <sup>d</sup>
Pacific, subtotal	25	50 962	1075 (11.5)	12 818 (11.1)
Alaska	5	731	2 (<0.1)	35 (<0.1)
California	26	38 041	820 (8.7)	9780 (8.5)
Hawaii	28	1392	30 (0.3)	386 (0.3)
Oregon	22	3899	85 (0.9)	861 (0.7)
Washington	25	6897	138 (1.5)	1756 (1.5)
Puerto Rico	21	3667	68 (0.7)	759 (0.7)
<b>Total</b>	<b>36</b>	<b>317 581</b>	<b>9384 (100.0)</b>	<b>115 111 (100.0)</b>

<sup>a</sup> Aggregate number of resident physicians per 100 000 population.

<sup>b</sup> 2012 State population is from Table 1. Annual Estimates of the Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2012 (NST-EST2012-01). Source: US Census Bureau, Population Division. Release Date: December 2012 (<http://www.census.gov/popest/data/national/totals/2012/index.html>, accessed May 13, 2013); total population numbers include the District of Columbia and Puerto Rico.

<sup>c</sup> Total number of US GME programs accredited by the ACGME and combined specialty programs, as of December 31, 2012, surveyed by the National GME Census during 2012.

<sup>d</sup> Includes resident physicians on duty as of December 31, 2012, reported through the 2012 National GME Census. A total of 199 programs (2.1%) did not provide updated information on residents by March 1, 2013. For these nonresponding programs, resident physicians reported from the last received survey were moved into their next year in the program or graduated.

**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, 2012<sup>a</sup>**

	US Citizen	US Permanent Resident	Non-US Citizen	Unknown Citizenship/ Foreign Born	Total
<b>Specialty/Subspecialty</b>					
Anesthesiology	35	11	23	12	81
Emergency medicine	71	4	9	18	102
Family medicine	653	166	187	152	1158
Internal medicine	985	402	805	1214	3406
Neurological surgery	4	1	4	6	15
Neurology	10	9	17	37	73
Obstetrics and gynecology	79	22	40	27	168
Orthopedic surgery	2	0	1	3	6
Otolaryngology	1	0	0	1	2
Pathology-anatomic and clinical	61	63	52	49	225
Pediatrics	207	52	172	155	586
Physical medicine and rehabilitation	6	2	1	2	11
Plastic surgery-integrated	1	0	0	0	1
Psychiatry	202	52	85	83	422
Radiology-diagnostic	1	1	1	3	6
Surgery-general	190	59	110	99	458
Transitional year	32	13	10	27	82
<b>Combined Specialties</b>					
Emergency medicine/family medicine	1	0	0	0	1
Family medicine/preventive medicine	0	1	0	0	1
Internal medicine/emergency medicine	1	0	0	2	3
Internal medicine/family medicine	1	0	1	0	2
Internal medicine/pediatrics	23	3	8	10	44
Internal medicine/preventive medicine	2	0	0	0	2
Internal medicine/psychiatry	2	0	3	1	6
Pediatrics/medical genetics	0	0	1	1	2
<b>Total, No. (%)</b>	<b>2570 (37.4)</b>	<b>861 (12.5)</b>	<b>1530 (22.3)</b>	<b>1902 (27.7)</b>	<b>6863</b>

<sup>a</sup> Includes only international medical graduate resident physicians entering US GME for the first time; graduates of Canadian medical schools are not considered international medical graduates.

Table 6. Race and Hispanic Ethnic Origin of Resident Physicians on Duty December 31, 2012, by Type of Medical School From Which They Graduated<sup>a</sup>

Race and Hispanic Ethnic Origin <sup>b</sup>	No. (%)			Total
	US and Canadian Allopathic	US Osteopathic	Non-US	
Black	4759 (71.8)	208 (3.1)	1659 (25.0)	6626
American Indian/Alaskan Native	264 (92.0)	14 (4.9)	9 (3.1)	287
White	48 929(75.2)	5912 (9.1)	10 219 (15.7)	65 060
Asian	15 957(49.4)	1358 (4.2)	14 964 (46.4)	32 279
Native Hawaiian/Pacific Islander	166 (45.0)	29 (7.9)	174 (47.1)	369
Other/unknown	5066 (48.3)	1708 (16.3)	3716 (35.4)	10 490
<b>Total</b>	<b>75 141(65.3)</b>	<b>9229 (8.0)</b>	<b>30 741 (26.7)</b>	<b>115 111</b>
Hispanic origin	4744 (55.0)	235 (2.7)	3646 (42.3)	8625
Non-Hispanic origin	70 397(66.1)	8994 (8.5)	27 095 (25.4)	106 486

<sup>a</sup> Includes resident physicians on duty as of December 31, 2012, reported through the 2012 National GME Census. A total of 199 programs (2.1%) did not provide updated information on residents by March 1, 2013. For these nonresponding programs, resident physicians reported from the last received survey were moved into their next year in the program or graduated.

<sup>b</sup> Following the US Census Bureau, the 2012 National GME Census asked for race and Hispanic ethnicity in 2 separate questions. A person of Hispanic ethnicity can be of any race.

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, 2012

Citizenship/Visa Status	Resident Physicians, No. (%) <sup>a</sup>	
	Total	IMGs <sup>b</sup>
Native US citizen	76 602 (66.5)	6492 (21.1)
Naturalized US citizen	9322 (8.1)	3649 (11.9)
Permanent resident	7685 (6.7)	5134 (16.7)
B-1, B-2 temporary visitor	84 (0.1)	81 (0.3)
F-1 student	348 (0.3)	14 (<0.1)
H-1, H-1B, H-2, H-3 temporary worker	4279 (3.7)	4059 (13.2)
J-1, J-2 exchange visitor	5334 (4.6)	5200 (16.9)
Refugee/asylee/displaced person	55 (<0.1)	50 (0.2)
Other	288 (0.3)	186 (0.6)
Unknown citizenship/foreign born	9450 (8.2)	5876 (19.1)
Unknown citizenship/unknown birth country	1664 (1.4)	0
<b>Total</b>	<b>115 111</b>	<b>30 741</b>

Abbreviation: IMGs, international medical graduates.

<sup>a</sup>Includes resident physicians on duty as of December 31, 2012, reported through the 2012 National GME Census. A total of 199 programs (2.1%) did not provide updated information on residents by March 1, 2013. For these

nonresponding programs, resident physicians reported from the last received survey were moved into their next year in the program or graduated.

<sup>b</sup>Does not include graduates of Canadian medical schools.

**Table 8. Race and Ethnic Origin of Resident Physicians in ACGME-Accredited and in Combined Specialty Graduate Medical Education (GME) Programs on Duty December 31, 2012, by Specialty<sup>a</sup>**

Specialty/Subspecialty	No. of Resident Physicians							Total
	Black	American Indian/ Alaskan Native	White	Asian	Native Hawaiian/ Pacific Islander	Other/ Unknown	Hispanic Origin <sup>b</sup>	
Allergy and immunology	14	0	156	112	0	4	14	286
Anesthesiology	336	10	3410	1449	10	292	312	5507
Adult cardiothoracic anesthesiology	8	0	99	38	0	5	7	150
Critical care medicine	14	0	91	33	0	4	9	142
Obstetric anesthesiology	2	0	6	7	0	0	2	15
Pediatric anesthesiology	12	0	154	32	1	6	15	205
Colon and rectal surgery	1	0	49	19	1	0	6	70
Dermatology	56	7	845	246	4	33	72	1191
Dermatopathology	2	1	60	16	1	2	5	82
Procedural dermatology	3	0	38	8	1	0	3	50
Emergency medicine	288	19	3921	767	14	449	344	5458
Medical toxicology	0	1	37	10	0	4	5	52
Pediatric emergency medicine	8	0	55	10	0	4	12	77
Sports medicine	0	0	8	1	0	0	0	9
Undersea and hyperbaric medicine	0	0	3	0	1	1	1	5
Family medicine	749	44	5813	2259	75	994	891	9934
Geriatric medicine	4	1	31	23	0	6	8	65
Sports medicine	11	0	120	22	0	5	8	158
Hospice and palliative medicine <sup>c</sup>	7	0	92	44	0	21	15	164
Internal medicine	1278	25	8873	8749	101	3684	1732	22 710
Advanced heart failure and transplant cardiology	2	0	13	13	0	3	2	31
Cardiovascular disease	132	1	1198	1069	9	105	189	2514
Clinical cardiac electrophysiology	7	0	80	80	0	6	10	173
Critical care medicine	9	0	103	80	0	5	15	197
Endocrinology, diabetes, and metabolism	24	1	297	266	0	23	50	611
Gastroenterology	64	3	656	622	1	61	112	1407
Geriatric medicine	11	0	105	113	0	17	31	246
Hematology	3	0	18	21	0	0	3	42
Hematology and oncology	61	1	759	661	2	47	88	1531
Infectious disease	57	0	445	274	3	33	102	812
Interventional cardiology	16	0	151	127	0	6	11	300
Nephrology	70	0	294	513	2	49	77	928
Oncology	3	0	51	44	0	4	6	102
Pulmonary disease	5	0	24	49	0	5	11	83
Pulmonary disease and critical care medicine	50	3	805	518	3	65	132	1444
Rheumatology	23	0	206	174	1	16	39	420
Transplant hepatology	1	1	16	12	0	2	2	32
Medical genetics	2	0	49	21	0	6	13	78
Medical biochemical genetics	0	0	5	4	0	0	2	9
Molecular genetic pathology	3	0	23	10	1	4	5	41
Neurological surgery	76	2	775	307	0	69	75	1229
Endovascular surgical neuroradiology	0	0	1	1	0	1	0	3
Neurology	84	1	1092	715	2	157	162	2051
Child neurology	8	0	190	102	1	6	23	307
Clinical neurophysiology	11	0	118	85	0	13	11	227

(continued)

**Table 8. Race and Ethnic Origin of Resident Physicians in ACGME-Accredited and in Combined Specialty Graduate Medical Education (GME) Programs on Duty December 31, 2012, by Specialty<sup>a</sup> (continued)**

Specialty/Subspecialty	No. of Resident Physicians							Total
	Black	American Indian/ Alaskan Native	White	Asian	Native Hawaiian/ Pacific Islander	Other/ Unknown	Hispanic Origin <sup>b</sup>	
Neurology (continued)								
Endovascular surgical neuroradiology	1	0	0	1	0	0	0	2
Neurodevelopmental disabilities	3	0	11	2	0	0	1	16
Neuromuscular medicine	3	0	20	15	0	8	3	46
Vascular neurology	2	0	56	30	0	6	10	94
Nuclear medicine	4	1	56	38	0	10	12	109
Obstetrics and gynecology	507	15	3263	763	11	372	427	4931
Female pelvic medicine and reconstructive surgery	2	0	5	3	0	2	0	12
Ophthalmology	46	3	793	463	4	34	49	1343
Ophthalmic plastic and reconstructive surgery	0	0	3	1	0	1	0	5
Orthopedic surgery	147	15	2715	442	3	179	183	3501
Adult reconstructive orthopedics	2	0	25	14	0	1	2	42
Foot and ankle orthopedics	1	0	7	0	0	0	0	8
Hand surgery	2	1	85	21	0	2	5	111
Musculoskeletal oncology	3	0	7	1	0	1	0	12
Orthopedic sports medicine	9	0	148	19	1	11	8	188
Orthopedic surgery of the spine	2	0	17	10	0	2	1	31
Orthopedic trauma	1	0	11	3	0	2	0	17
Pediatric orthopedics	4	0	23	6	0	3	4	36
Otolaryngology	32	3	1017	318	1	74	68	1445
Neurotology	0	0	15	2	0	2	1	19
Pediatric otolaryngology	0	1	16	7	0	1	0	25
Pain medicine <sup>d</sup>	12	3	166	85	2	12	19	280
Pathology-anatomic and clinical	84	7	1353	638	8	192	175	2282
Blood banking/transfusion medicine	3	0	30	16	0	1	2	50
Chemical pathology	0	0	0	1	0	0	0	1
Cytopathology	1	0	76	41	0	5	7	123
Forensic pathology	1	0	30	1	0	3	4	35
Hematology	4	1	72	38	2	6	6	123
Medical microbiology	0	0	7	2	0	0	1	9
Neuropathology	0	0	30	11	0	0	6	41
Pediatric pathology	3	0	10	3	0	1	3	17
Selective pathology	7	1	72	57	0	1	15	138
Pediatrics	494	27	4750	1849	34	1178	729	8332
Adolescent medicine	15	0	49	10	0	1	7	75
Child abuse pediatrics	7	0	17	5	0	3	2	32
Developmental-behavioral pediatrics	3	0	68	22	2	3	13	98
Neonatal-perinatal medicine	41	0	378	212	1	23	54	655
Pediatric cardiology	16	2	262	134	0	12	26	426
Pediatric critical care medicine	21	0	263	101	0	12	43	397
Pediatric emergency medicine	19	0	239	69	1	7	21	335
Pediatric endocrinology	7	0	158	77	2	10	34	254
Pediatric gastroenterology	16	1	154	83	2	12	20	268
Pediatric hematology/oncology	20	1	291	118	0	8	30	438
Pediatric infectious diseases	12	0	110	51	0	5	18	178
Pediatric nephrology	10	0	61	49	0	0	13	120

(continued)

**Table 8. Race and Ethnic Origin of Resident Physicians in ACGME-Accredited and in Combined Specialty Graduate Medical Education (GME) Programs on Duty December 31, 2012, by Specialty<sup>a</sup> (continued)**

Specialty/Subspecialty	No. of Resident Physicians							Total
	Black	American Indian/ Alaskan Native	White	Asian	Native Hawaiian/ Pacific Islander	Other/ Unknown	Hispanic Origin <sup>b</sup>	
Pediatrics (continued)								
Pediatric pulmonology	5	0	99	51	0	8	11	163
Pediatric rheumatology	3	0	51	14	0	4	8	72
Pediatric sports medicine	2	0	14	5	0	1	0	22
Pediatric transplant hepatology	0	0	3	1	0	1	0	5
Physical medicine and rehabilitation	74	4	682	325	2	137	96	1224
Pediatric rehabilitation medicine	0	1	12	4	0	0	2	17
Spinal cord injury medicine	0	0	6	5	0	2	3	13
Sports medicine	1	0	6	4	0	0	0	11
Plastic surgery	15	0	237	76	0	7	29	335
Craniofacial surgery	1	0	3	0	0	0	0	4
Hand surgery	0	1	12	7	0	1	1	21
Plastic surgery-integrated <sup>e</sup>	17	1	305	85	1	29	23	438
Preventive medicine	34	3	171	58	2	17	25	285
Medical toxicology	0	0	1	0	0	0	0	1
Undersea and hyperbaric medicine	0	0	2	0	0	0	0	2
Psychiatry	315	17	2632	1308	15	539	451	4826
Addiction psychiatry	7	0	35	18	1	3	4	64
Child and adolescent psychiatry	81	2	458	275	2	33	83	851
Forensic psychiatry	10	0	39	14	0	2	7	65
Geriatric psychiatry	9	0	32	24	0	3	6	68
Psychosomatic medicine	0	0	31	21	0	1	2	53
Radiation oncology	28	0	420	207	1	7	31	663
Radiology-diagnostic	137	15	2943	1226	7	110	210	4438
Abdominal radiology	0	0	19	11	0	2	4	32
Endovascular surgical neuroradiology	0	0	4	0	0	0	0	4
Musculoskeletal radiology	0	0	15	7	0	1	0	23
Neuroradiology	7	0	135	77	0	13	15	232
Nuclear radiology	0	0	9	2	0	0	1	11
Pediatric radiology	3	0	54	23	0	5	3	85
Vascular and interventional radiology	4	0	122	57	0	12	12	195
Sleep medicine <sup>f</sup>	8	0	67	52	0	9	15	136
Surgery-general	516	27	4823	1631	21	810	642	7828
Complex general surgical oncology	1	0	16	7	1	1	2	26
Hand surgery	0	0	6	2	0	0	0	8
Pediatric surgery	3	0	64	10	0	1	6	78
Surgical critical care	7	0	146	27	0	11	6	191
Vascular surgery	13	1	148	66	0	10	18	238
Vascular surgery-integrated <sup>e</sup>	5	0	84	35	1	16	13	141
Thoracic surgery	11	0	139	57	0	5	18	212
Congenital cardiac surgery	0	0	4	2	0	0	0	6
Thoracic surgery-integrated <sup>e</sup>	1	0	43	8	1	5	1	58
Urology	60	2	816	244	2	17	72	1141
Pediatric urology	2	0	24	7	0	0	3	33
Transitional year	34	0	529	245	3	158	45	969

(continued)

**Table 8. Race and Ethnic Origin of Resident Physicians in ACGME-Accredited and in Combined Specialty Graduate Medical Education (GME) Programs on Duty December 31, 2012, by Specialty<sup>a</sup> (continued)**

	No. of Resident Physicians							Total
	Black	American Indian/Alaskan Native	White	Asian	Native Hawaiian/Pacific Islander	Other/Unknown	Hispanic Origin <sup>b</sup>	
<b>Combined Specialties</b>								
Emergency medicine/family medicine	0	0	10	2	0	0	1	12
Family medicine/preventive medicine	0	0	9	5	0	0	2	14
Internal medicine/dermatology	3	0	27	8	1	1	3	40
Internal medicine/emergency medicine	10	0	82	22	0	2	4	116
Internal medicine/emergency medicine/critical care medicine	0	0	5	1	0	0	0	6
Internal medicine/family medicine	1	0	9	5	0	0	2	15
Internal medicine/medical genetics	0	0	4	2	0	0	0	6
Internal medicine/neurology	0	0	5	1	0	1	0	7
Internal medicine/pediatrics	85	4	954	311	0	68	73	1422
Internal medicine/preventive medicine	3	0	13	10	0	2	3	28
Internal medicine/psychiatry	14	2	44	20	0	3	3	83
Pediatrics/anesthesiology	1	0	7	0	0	1	1	9
Pediatrics/emergency medicine	1	0	31	2	0	0	2	34
Pediatrics/medical genetics	1	0	19	6	0	1	0	27
Pediatrics/physical medicine and rehabilitation	1	0	10	2	0	1	0	14
Pediatrics/psychiatry/child and adolescent psychiatry	5	0	56	13	0	4	5	78
Psychiatry/family medicine	5	3	31	9	0	0	4	48
Psychiatry/neurology	0	1	9	4	0	2	0	16
<b>Total, No. (%)</b>	<b>6626 (5.8)</b>	<b>287 (0.2)</b>	<b>65 060 (56.5)</b>	<b>32 279 (28.0)</b>	<b>369 (0.3)</b>	<b>10 490 (9.1)</b>	<b>8625 (7.5)</b>	<b>115 111</b>

<sup>a</sup> Includes resident physicians on duty as of December 31, 2012, reported through the 2012 National GME Census. A total of 199 programs (2.1%) did not provide updated information on residents by March 1, 2013. For these nonresponding programs, resident physicians reported from the last received survey were moved into their next year in the program or graduated.

<sup>b</sup> Following the US Census Bureau, the 2012 National GME Census asked for race and Hispanic ethnicity in 2 separate questions. A person of Hispanic ethnicity can be of any race.

<sup>c</sup> Hospice 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.

<sup>d</sup> Pain medicine is a subspecialty of anesthesiology, neurology, physical medicine and rehabilitation, or psychiatry.

<sup>e</sup> Integrated programs differ from subspecialty programs in that they include core surgical education.

<sup>f</sup> Sleep medicine is a subspecialty of family medicine, internal medicine, neurology, otolaryngology, pediatrics, or psychiatry.

**Table 9. Resident Physicians Who Completed a Graduate Medical Education (GME) Program or Preliminary Year During 2011-2012<sup>a</sup>**

Specialty/Subspecialty	No. Completing a Program	No. Completing a Preliminary Year
Allergy and immunology	128	0
Anesthesiology	1534	0
Adult cardiothoracic anesthesiology	113	0
Critical care medicine	91	0
Pediatric anesthesiology	165	0
Colon and rectal surgery	83	0
Dermatology	384	0
Dermatopathology	70	0
Procedural dermatology	36	0
Emergency medicine	1575	0
Medical toxicology	17	0
Pediatric emergency medicine	27	0
Sports medicine	7	0
Undersea and hyperbaric medicine	2	0
Family medicine	3158	10
Geriatric medicine	56	0
Sports medicine	164	0
Hospice and palliative medicine <sup>b</sup>	120	0
Internal medicine	6708	1968
Cardiovascular disease	811	0
Clinical cardiac electrophysiology	134	0
Critical care medicine	110	0
Endocrinology, diabetes, and metabolism	274	0
Gastroenterology	449	0
Geriatric medicine	223	0
Hematology	7	0
Hematology and oncology	485	0
Infectious disease	335	0
Interventional cardiology	224	0
Nephrology	439	0
Oncology	37	0
Pulmonary disease	37	0
Pulmonary disease and critical care medicine	453	0
Rheumatology	214	0
Transplant hepatology	20	0
Medical genetics	38	0
Medical biochemical genetics	6	0
Molecular genetic pathology	33	0
Neurological surgery	148	0
Endovascular surgical neuroradiology	1	0
Neurology	596	0
Child neurology	87	0
Clinical neurophysiology	162	0
Endovascular surgical neuroradiology	4	0
Neurodevelopmental disabilities	5	0
Neuromuscular medicine	32	0
Vascular neurology	64	0

(continued)

**Table 9. Resident Physicians Who Completed a Graduate Medical Education (GME) Program or Preliminary Year During 2011-2012<sup>a</sup> (continued)**

Specialty/Subspecialty	No. Completing a Program	No. Completing a Preliminary Year
Nuclear medicine	60	0
Obstetrics and gynecology	1219	0
Ophthalmology	463	0
Ophthalmic plastic and reconstructive surgery	4	0
Orthopedic surgery	665	0
Adult reconstructive orthopedics	38	0
Foot and ankle orthopedics	15	0
Hand surgery	127	0
Musculoskeletal oncology	8	0
Orthopedic sports medicine	164	0
Orthopedic surgery of the spine	26	0
Orthopedic trauma	9	0
Pediatric orthopedics	30	0
Otolaryngology	284	2
Neurotology	12	0
Pediatric otolaryngology	17	0
Pain medicine <sup>c</sup>	271	0
Pathology-anatomic and clinical	619	3
Blood banking/transfusion medicine	43	0
Cytopathology	118	0
Forensic pathology	40	0
Hematology	113	0
Medical microbiology	4	0
Neuropathology	24	0
Pediatric pathology	19	0
Selective pathology	119	0
Pediatrics	2618	53
Adolescent medicine	20	0
Child abuse pediatrics	2	0
Developmental-behavioral pediatrics	26	0
Neonatal-perinatal medicine	203	0
Pediatric cardiology	126	0
Pediatric critical care medicine	139	0
Pediatric emergency medicine	98	0
Pediatric endocrinology	73	0
Pediatric gastroenterology	81	0
Pediatric hematology/oncology	133	0
Pediatric infectious diseases	58	0
Pediatric nephrology	44	0
Pediatric pulmonology	45	0
Pediatric rheumatology	32	0
Pediatric sports medicine	17	0
Pediatric transplant hepatology	5	0
Physical medicine and rehabilitation	402	0
Pediatric rehabilitation medicine	8	0
Spinal cord injury medicine	8	0
Sports medicine	13	0

(continued)



**Table 9. Resident Physicians Who Completed a Graduate Medical Education (GME) Program or Preliminary Year During 2011-2012<sup>a</sup> (continued)**

Specialty/Subspecialty	No. Completing a Program	No. Completing a Preliminary Year
Plastic surgery	141	0
Craniofacial surgery	3	0
Hand surgery	17	0
Plastic surgery-integrated <sup>d</sup>	55	0
Preventive medicine	130	0
Medical toxicology	2	0
Undersea and hyperbaric medicine	2	0
Psychiatry	1025	0
Addiction psychiatry	49	0
Child and adolescent psychiatry	394	0
Forensic psychiatry	73	0
Geriatric psychiatry	58	0
Psychosomatic medicine	64	0
Radiation oncology	158	0
Radiology-diagnostic	1136	0
Abdominal radiology	15	0
Endovascular surgical neuroradiology	4	0
Musculoskeletal radiology	31	0
Neuroradiology	228	0
Nuclear radiology	10	0
Pediatric radiology	75	0
Vascular and interventional radiology	222	0
Sleep medicine <sup>e</sup>	114	0
Surgery-general	1100	1115
Hand surgery	8	0
Pediatric surgery	33	0
Surgical critical care	167	0
Vascular surgery	120	0
Vascular surgery-integrated <sup>d</sup>	2	0
Thoracic surgery	89	0
Congenital cardiac surgery	8	0
Urology	259	0
Pediatric urology	12	0
Transitional year	0	1075
<b>Combined Specialties</b>		
Emergency medicine/family medicine	1	0
Family medicine/preventive medicine	4	0
Internal medicine/dermatology	7	0
Internal medicine/emergency medicine	19	0
Internal medicine/emergency medicine/critical care medicine	3	0
Internal medicine/family medicine	6	0
Internal medicine/medical genetics	3	0
Internal medicine/neurology	3	0
Internal medicine/pediatrics	341	0
Internal medicine/preventive medicine	7	0
Internal medicine/psychiatry	18	0

(continued)

**Table 9. Resident Physicians Who Completed a Graduate Medical Education (GME) Program or Preliminary Year During 2011-2012<sup>a</sup> (continued)**

Specialty/Subspecialty	No. Completing a Program	No. Completing a Preliminary Year
<b>Combined Specialties</b>		
Pediatrics/dermatology	1	0
Pediatrics/emergency medicine	5	0
Pediatrics/medical genetics	8	0
Pediatrics/physical medicine and rehabilitation	3	0
Pediatrics/psychiatry/child and adolescent psychiatry	16	0
Psychiatry/family medicine	9	0
Psychiatry/neurology	1	0
<b>Total</b>	<b>34 787</b>	<b>4226</b>

<sup>a</sup> Includes resident physicians on duty as of December 31, 2012, reported through the 2012 National GME Census. A total of 199 programs (2.1%) did not provide updated information on residents by March 1, 2013. For these nonresponding programs, resident physicians reported from the last received survey were moved into their next year in the program or graduated.

<sup>b</sup> Hospice 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.

<sup>c</sup> Pain medicine is a subspecialty of anesthesiology, neurology, physical medicine and rehabilitation, or psychiatry.

<sup>d</sup> Integrated programs differ from subspecialty programs in that they include core surgical education.

<sup>e</sup> Sleep medicine is a subspecialty of family medicine, internal medicine, neurology, otolaryngology, pediatrics, or psychiatry.

**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 (2013-2014) as Projected by Program Directors**

Specialty/Subspecialty	Total Program Size	Total No. of Program Year 1 Positions <sup>a</sup>	Total No. of Graduate Year 1 Positions <sup>b</sup>
Allergy and immunology	316	140	0
Anesthesiology	5981	1337	942
Adult cardiothoracic anesthesiology	169	169	0
Critical care medicine	176	176	0
Obstetric anesthesiology	19	19	0
Pediatric anesthesiology	213	213	0
Colon and rectal surgery	92	92	0
Dermatology	1252	405	7
Dermatopathology	89	87	0
Procedural dermatology	63	63	0
Emergency medicine	5750	1800	1772
Emergency medical services	42	42	0
Medical toxicology	90	48	0
Pediatric emergency medicine	94	38	0
Sports medicine	9	9	0
Undersea and hyperbaric medicine	11	11	0
Family medicine	10 649	3557	3557
Geriatric medicine	98	98	0
Sports medicine	192	192	0
Hospice and palliative medicine <sup>c</sup>	228	228	0
Internal medicine	23 683	9322	9322
Advanced heart failure and transplant cardiology	59	59	0
Cardiovascular disease	2658	878	0
Clinical cardiac electrophysiology	248	216	0
Critical care medicine	225	128	0
Endocrinology, diabetes, and metabolism	635	304	0
Gastroenterology	1473	487	0
Geriatric medicine	399	388	0
Hematology	24	10	0
Hematology and oncology	1608	543	0
Infectious disease	814	397	0
Interventional cardiology	343	327	0
Nephrology	957	472	0
Oncology	94	45	0
Pulmonary disease	86	44	0
Pulmonary disease and critical care medicine	1551	528	0
Rheumatology	454	217	0
Transplant hepatology	59	59	0
Medical genetics	157	76	1
Medical biochemical genetics	16	15	0
Molecular genetic pathology	47	47	0
Neurological surgery	1291	197	197
Endovascular surgical neuroradiology	3	3	0
Neurology	2252	653	260
Child neurology	365	124	0

(continued)

**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 (2013-2014) as Projected by Program Directors (continued)**

Specialty/Subspecialty	Total Program Size	Total No. of Program Year 1 Positions <sup>a</sup>	Total No. of Graduate Year 1 Positions <sup>b</sup>
Neurological surgery (continued)			
Clinical neurophysiology	279	278	0
Endovascular surgical neuroradiology	5	5	0
Neurodevelopmental disabilities	43	11	0
Neuromuscular medicine	64	64	0
Vascular neurology	133	131	0
Nuclear medicine	162	77	0
Obstetrics and gynecology	5132	1314	1314
Female pelvic medicine and reconstructive surgery	97	33	0
Ophthalmology	1426	477	0
Ophthalmic plastic and reconstructive surgery	9	5	0
Orthopedic surgery	3603	722	721
Adult reconstructive orthopedics	39	39	0
Foot and ankle orthopedics	18	18	0
Hand surgery	136	136	0
Musculoskeletal oncology	16	15	0
Orthopedic sports medicine	227	227	0
Orthopedic surgery of the spine	37	37	0
Orthopedic trauma	18	18	0
Pediatric orthopedics	44	44	0
Otolaryngology	1489	303	303
Neurotology	31	18	0
Pediatric otolaryngology	31	29	0
Pain medicine <sup>d</sup>	341	341	0
Pathology-anatomic and clinical	2406	635	635
Blood banking/transfusion medicine	70	70	0
Chemical pathology	2	2	0
Cytopathology	150	150	0
Forensic pathology	70	70	0
Hematology	144	142	0
Medical microbiology	17	17	0
Neuropathology	72	37	0
Pediatric pathology	35	34	0
Selective pathology	176	176	0
Pediatrics	8906	3019	3019
Adolescent medicine	103	39	0
Child abuse pediatrics	60	22	0
Developmental-behavioral pediatrics	123	44	0
Neonatal-perinatal medicine	716	246	0
Pediatric cardiology	413	136	0
Pediatric critical care medicine	456	162	0
Pediatric emergency medicine	354	123	0
Pediatric endocrinology	287	99	0
Pediatric gastroenterology	277	91	0

(continued)

**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 (2013-2014) as Projected by Program Directors (continued)**

Specialty/Subspecialty	Total Program Size	Total No. of Program Year 1 Positions <sup>a</sup>	Total No. of Graduate Year 1 Positions <sup>b</sup>
Pediatrics (continued)			
Pediatric hematology/oncology	494	170	0
Pediatric infectious diseases	219	74	0
Pediatric nephrology	171	57	0
Pediatric pulmonology	203	68	0
Pediatric rheumatology	117	39	0
Pediatric sports medicine	23	19	0
Pediatric transplant hepatology	6	6	0
Physical medicine and rehabilitation	1272	350	76
Pediatric rehabilitation medicine	30	17	0
Spinal cord injury medicine	24	24	0
Sports medicine	15	15	0
Plastic surgery	387	135	3
Craniofacial surgery	6	6	0
Hand surgery	22	22	0
Plastic surgery-integrated <sup>e</sup>	582	107	107
Preventive medicine	540	289	5
Medical toxicology	7	3	0
Undersea and hyperbaric medicine	6	6	0
Psychiatry	5416	1376	1376
Addiction psychiatry	111	106	0
Child and adolescent psychiatry	889	443	0
Forensic psychiatry	89	89	0
Geriatric psychiatry	125	125	0
Psychosomatic medicine	120	120	0
Radiation oncology	711	188	0
Radiology-diagnostic	4742	1194	72
Abdominal radiology	43	43	0
Endovascular surgical neuroradiology	7	7	0
Musculoskeletal radiology	37	37	0
Neuroradiology	315	295	0
Nuclear radiology	28	28	0
Pediatric radiology	116	116	0
Vascular and interventional radiology	263	263	0
Sleep medicine <sup>f</sup>	179	176	0
Surgery-general	7870	2562	2562
Complex general surgical oncology	83	42	0
Hand surgery	8	8	0
Pediatric surgery	82	40	0
Surgical critical care	244	241	0
Vascular surgery	271	136	0
Vascular surgery-integrated <sup>e</sup>	238	52	52
Thoracic surgery	260	109	0
Congenital cardiac surgery	10	10	0
Thoracic surgery-integrated <sup>e</sup>	138	24	24

(continued)

**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 (2013-2014) as Projected by Program Directors (continued)**

Specialty/Subspecialty	Total Program Size	Total No. of Program Year 1 Positions <sup>a</sup>	Total No. of Graduate Year 1 Positions <sup>b</sup>
Urology	1193	293	0
Female pelvic medicine and reconstructive surgery	28	2	0
Pediatric urology	44	26	0
Transitional year	1159	1159	1159
<b>Combined Specialties</b>			
Emergency medicine/family medicine	15	4	4
Family medicine/preventive medicine	18	6	6
Internal medicine/anesthesiology	0	0	0
Internal medicine/dermatology	43	10	10
Internal medicine/emergency medicine	128	26	26
Internal medicine/emergency medicine/critical care medicine	13	1	1
Internal medicine/family medicine	18	5	5
Internal medicine/medical genetics	22	6	6
Internal medicine/neurology	6	2	2
Internal medicine/pediatrics	1481	369	369
Internal medicine/preventive medicine	35	8	8
Internal medicine/psychiatry	98	18	18
Pediatrics/anesthesiology	16	6	6
Pediatrics/emergency medicine	34	7	7
Pediatrics/medical genetics	55	12	12
Pediatrics/physical medicine and rehabilitation	17	3	3
Pediatrics/psychiatry/child and adolescent psychiatry	98	19	19
Psychiatry/family medicine	49	10	10
Psychiatry/neurology	23	6	6
<b>Total</b>	<b>124 363</b>	<b>45 154</b>	<b>28 004</b>

<sup>a</sup> Program year 1 refers to the first year of training within a specific program; this may not correspond to the graduate year.

<sup>b</sup> Graduate 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 GME, some residents who fill these positions have had prior training.

<sup>c</sup> Hospice 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.

<sup>d</sup> Pain medicine is a subspecialty of anesthesiology, neurology, physical medicine and rehabilitation, or psychiatry.

<sup>e</sup> Integrated programs differ from subspecialty programs in that they include core surgical education.

<sup>f</sup> Sleep medicine is a subspecialty of family medicine, internal medicine, neurology, otolaryngology, pediatrics, or psychiatry.