

Graduate Medical Education, 2014-2015

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The American Medical Association (AMA) and the Association of American Medical Colleges (AAMC) sponsor and administer the National Graduate Medical Education (GME) Census through GME Track, an Internet-based AAMC product, and together 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 2014, all directors of training 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.

Beginning in late July 2014, program directors were surveyed about their active, transferred, and graduated residents and fellows for academic year 2014-2015. Program directors were provided with lists of residents and fellows from the current database and were asked 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, race, and Hispanic ethnicity. Race and Hispanic ethnicity for residents and fellows who had provided such information through various AAMC applications (eg, the Electronic Residency Application Service) was carried forward from those applications and included in the census. AAMC race data

collection allows for more than 1 selection; therefore the following Tables have a new category: multiracial.

We surveyed 9768 active programs, of which 9263 (94.8%) completed the program survey and 8514 (87.2%) confirmed the status of all of their active physicians in training, accounting for 112 942 (95.4%) of active trainees. An additional 72 programs (0.7%) confirmed some but not all of their trainees (1772 trainees, 1.5%), 245 confirmed that they did not have any trainees (2.5%), 397 programs (4.1%) confirmed the status of non-active trainees (graduates and transfers), but did not have any currently active trainees, and 540 programs (5.5%) did not confirm the status of any physician training in the program (including 283 programs that apparently did not have any active trainees). A total of 94.8% 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 = 3652 [3.1% of active residents]) or “graduated” based on expected graduation date (n = 1627 [4.0% of graduated residents and fellows]). In total, we estimate that there were 118 366 active residents in ACGME-accredited programs during the 2014-2015 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, 2009-2014

| | No. (%) | | | | | |
|---------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | 2009-2010 | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |
| No. of programs | 8873 | 8967 | 9111 | 9384 | 9613 | 9768 |
| No. of residents | | | | | | |
| Total | 109 840 | 111 586 | 113 427 | 115 111 | 117 427 | 118 366 |
| Graduate year 1 (GY1) ^a | 26 219 | 26 386 | 26 263 | 26 018 | 26 649 | 27 122 |
| GY1 residents with no prior GME | 25 075 | 25 292 | 25 538 | 25 229 | 25 991 | 26 145 |
| Medical school of graduation | | | | | | |
| US allopathic medical school graduate | 71 871 (65.4) | 72 840 (65.3) | 74 328 (65.6) | 74 963 (65.1) | 77 118 (65.7) | 78 206 (66.1) |
| International medical graduate | 30 068 (27.4) | 30 441 (27.3) | 30 300 (26.7) | 30 741 (26.7) | 30 397 (25.9) | 29 908 (25.3) |
| Doctor of osteopathy | 7628 (6.9) | 8066 (7.2) | 8615 (7.6) | 9229 (8.0) | 9727 (8.3) | 10 099 (8.5) |
| Canadian | 273 (0.2) | 239 (0.2) | 184 (0.2) | 178 (0.2) | 174 (0.1) | 153 (0.1) |
| Unknown or other | 0 | 0 | 0 | 0 | 11 (<0.1) | 0 |
| Specialties | | | | | | |
| Programs | 4128 (46.5) | 4131 (46.1) | 4152 (45.6) | 4207 (44.8) | 4239 (44.1) | 4286 (43.9) |
| Residents | 91 963 (83.7) | 93 153 (83.5) | 94 486 (83.3) | 94 990 (82.5) | 96 580 (82.2) | 97 587 (82.4) |
| Subspecialties | | | | | | |
| Programs | 4745 (53.5) | 4836 (53.9) | 4959 (54.4) | 5180 (55.2) | 5374 (55.9) | 5482 (56.1) |
| Residents | 17 877 (16.3) | 18 433 (16.5) | 18 941 (16.7) | 20 121 (17.5) | 20 847 (17.8) | 20 779 (17.6) |

Abbreviations: ACGME, Accreditation Council for Graduate Medical Education; GME, graduate medical education.

^a The first year of education beyond medical school for which prior GME is not required.

Table 2. Resident Physicians on Duty in ACGME-Accredited and Combined Specialty GME Programs December 31, 2014

| Specialty/Subspecialty | Total No. of Programs ^a | No. (%) of Resident Physicians ^b | | | | | |
|--|------------------------------------|---|---------------|---------------|-------------|-----------|-------------|
| | | Total | Female | USMDs | IMGs | Canadians | Osteopathic |
| Allergy and immunology | 75 | 301 (0.3) | 190 (63.1) | 224 (74.4) | 53 (17.6) | 1 (0.3) | 23 (7.6) |
| Anesthesiology | 133 | 5686 (4.8) | 2015 (35.4) | 4423 (77.8) | 675 (11.9) | 3 (0.1) | 585 (10.3) |
| Adult cardiothoracic anesthesiology | 61 | 172 (0.1) | 57 (33.1) | 135 (78.5) | 25 (14.5) | 1 (0.6) | 11 (6.4) |
| Critical care medicine | 55 | 148 (0.1) | 43 (29.1) | 121 (81.8) | 21 (14.2) | 0 | 6 (4.1) |
| Obstetric anesthesiology | 27 | 30 (<0.1) | 18 (60.0) | 23 (76.7) | 5 (16.7) | 0 | 2 (6.7) |
| Pediatric anesthesiology | 53 | 191 (0.2) | 114 (59.7) | 149 (78.0) | 27 (14.1) | 1 (0.5) | 14 (7.3) |
| Colon and rectal surgery | 55 | 86 (0.1) | 35 (40.7) | 70 (81.4) | 12 (14.0) | 1 (1.2) | 3 (3.5) |
| Dermatology | 117 | 1212 (1.0) | 781 (64.4) | 1160 (95.7) | 40 (3.3) | 0 | 12 (1.0) |
| Dermatopathology | 54 | 73 (0.1) | 40 (54.8) | 59 (80.8) | 9 (12.3) | 2 (2.7) | 3 (4.1) |
| Procedural dermatology | 63 | 60 (0.1) | 28 (46.7) | 56 (93.3) | 2 (3.3) | 0 | 2 (3.3) |
| Emergency medicine | 167 | 5731 (4.8) | 2103 (36.7) | 4770 (83.2) | 329 (5.7) | 2 (<0.1) | 630 (11.0) |
| Clinical informatics | 1 | 1 (<0.1) | 1 (100.0) | 0 | 1 (100.0) | 0 | 0 |
| Emergency medical services | 40 | 33 (<0.1) | 13 (39.4) | 28 (84.8) | 3 (9.1) | 0 | 2 (6.1) |
| Medical toxicology | 25 | 58 (<0.1) | 26 (44.8) | 45 (77.6) | 2 (3.4) | 1 (1.7) | 10 (17.2) |
| Pediatric emergency medicine | 22 | 90 (0.1) | 56 (62.2) | 58 (64.4) | 21 (23.3) | 0 | 11 (12.2) |
| Sports medicine | 6 | 9 (<0.1) | 2 (22.2) | 4 (44.4) | 1 (11.1) | 0 | 4 (44.4) |
| Undersea and hyperbaric medicine | 6 | 3 (<0.1) | 0 | 3 (100.0) | 0 | 0 | 0 |
| Family medicine | 483 | 10 119 (8.5) | 5634 (55.7) | 4784 (47.3) | 3345 (33.1) | 2 (<0.1) | 1988 (19.6) |
| Geriatric medicine | 40 | 51 (<0.1) | 34 (66.7) | 20 (39.2) | 20 (39.2) | 0 | 11 (21.6) |
| Sports medicine | 125 | 178 (0.2) | 47 (26.4) | 103 (57.9) | 28 (15.7) | 0 | 47 (26.4) |
| Hospice and palliative medicine ^c | 108 | 218 (0.2) | 135 (61.9) | 131 (60.1) | 52 (23.9) | 1 (0.5) | 34 (15.6) |
| Internal medicine | 396 | 23 258 (19.6) | 10 045 (43.2) | 12 141 (52.2) | 9364 (40.3) | 12 (0.1) | 1741 (7.5) |
| Advanced heart failure and transplant cardiology | 61 | 73 (0.1) | 29 (39.7) | 33 (45.2) | 32 (43.8) | 2 (2.7) | 6 (8.2) |
| Cardiovascular disease | 192 | 2600 (2.2) | 560 (21.5) | 1395 (53.7) | 1078 (41.5) | 7 (0.3) | 120 (4.6) |
| Clinical cardiac electrophysiology | 104 | 163 (0.1) | 28 (17.2) | 85 (52.1) | 71 (43.6) | 1 (0.6) | 6 (3.7) |
| Clinical informatics | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Critical care medicine | 35 | 207 (0.2) | 52 (25.1) | 51 (24.6) | 137 (66.2) | 0 | 19 (9.2) |
| Endocrinology, diabetes, and metabolism | 135 | 606 (0.5) | 442 (72.9) | 231 (38.1) | 343 (56.6) | 0 | 32 (5.3) |
| Gastroenterology | 165 | 1417 (1.2) | 500 (35.3) | 885 (62.5) | 465 (32.8) | 0 | 67 (4.7) |
| Geriatric medicine | 105 | 243 (0.2) | 160 (65.8) | 86 (35.4) | 135 (55.6) | 1 (0.4) | 21 (8.6) |
| Hematology | 3 | 35 (<0.1) | 18 (51.4) | 28 (80.0) | 6 (17.1) | 1 (2.9) | 0 |
| Hematology and oncology | 139 | 1632 (1.4) | 763 (46.8) | 858 (52.6) | 697 (42.7) | 2 (0.1) | 75 (4.6) |
| Infectious disease | 148 | 770 (0.7) | 409 (53.1) | 386 (50.1) | 338 (43.9) | 1 (0.1) | 45 (5.8) |
| Interventional cardiology | 142 | 285 (0.2) | 28 (9.8) | 142 (49.8) | 136 (47.7) | 1 (0.4) | 6 (2.1) |
| Nephrology | 147 | 917 (0.8) | 350 (38.2) | 243 (26.5) | 626 (68.3) | 2 (0.2) | 46 (5.0) |
| Oncology | 10 | 73 (0.1) | 26 (35.6) | 29 (39.7) | 43 (58.9) | 0 | 1 (1.4) |
| Pulmonary disease | 20 | 72 (0.1) | 14 (19.4) | 7 (9.7) | 62 (86.1) | 0 | 3 (4.2) |
| Pulmonary disease and critical care medicine | 142 | 1504 (1.3) | 477 (31.7) | 762 (50.7) | 637 (42.4) | 3 (0.2) | 102 (6.8) |
| Rheumatology | 113 | 442 (0.4) | 257 (58.1) | 164 (37.1) | 235 (53.2) | 0 | 43 (9.7) |
| Transplant hepatology | 43 | 35 (<0.1) | 17 (48.6) | 23 (65.7) | 8 (22.9) | 3 (8.6) | 1 (2.9) |
| Medical genetics | 46 | 79 (0.1) | 57 (72.2) | 47 (59.5) | 30 (38.0) | 0 | 2 (2.5) |
| Medical biochemical genetics | 12 | 9 (<0.1) | 4 (44.4) | 2 (22.2) | 6 (66.7) | 1 (11.1) | 0 |
| Molecular genetic pathology | 36 | 38 (<0.1) | 17 (44.7) | 25 (65.8) | 11 (28.9) | 0 | 2 (5.3) |
| Neurological surgery | 105 | 1315 (1.1) | 225 (17.1) | 1199 (91.2) | 109 (8.3) | 0 | 7 (0.5) |
| Endovascular surgical neuroradiology | 2 | 2 (<0.1) | 0 | 1 (50.0) | 1 (50.0) | 0 | 0 |
| Neurology | 133 | 2246 (1.9) | 1005 (44.7) | 1240 (55.2) | 820 (36.5) | 1 (<0.1) | 185 (8.2) |
| Child neurology | 73 | 339 (0.3) | 234 (69.0) | 231 (68.1) | 90 (26.5) | 0 | 18 (5.3) |
| Clinical neurophysiology | 98 | 205 (0.2) | 86 (42.0) | 102 (49.8) | 84 (41.0) | 2 (1.0) | 17 (8.3) |
| Endovascular surgical neuroradiology | 1 | 2 (<0.1) | 0 | 1 (50.0) | 0 | 0 | 1 (50.0) |

(continued)

Table 2. Resident Physicians on Duty in ACGME-Accredited and Combined Specialty GME Programs December 31, 2014 (continued)

| | Total No. of Programs ^a | No. (%) of Resident Physicians ^b | | | | | |
|---|------------------------------------|---|-------------|-------------|-------------|-----------|-------------|
| | | Total | Female | USMDs | IMGs | Canadians | Osteopathic |
| Neurology (continued) | | | | | | | |
| Epilepsy | 9 | 9 (<0.1) | 3 (33.3) | 5 (55.6) | 4 (44.4) | 0 | 0 |
| Neurodevelopmental disabilities | 8 | 14 (<0.1) | 13 (92.9) | 13 (92.9) | 1 (7.1) | 0 | 0 |
| Neuromuscular medicine | 45 | 53 (<0.1) | 29 (54.7) | 24 (45.3) | 25 (47.2) | 2 (3.8) | 2 (3.8) |
| Vascular neurology | 84 | 86 (0.1) | 24 (27.9) | 50 (58.1) | 32 (37.2) | 1 (1.2) | 3 (3.5) |
| Nuclear medicine | 44 | 82 (0.1) | 34 (41.5) | 19 (23.2) | 61 (74.4) | 0 | 2 (2.4) |
| Obstetrics and gynecology | 242 | 5018 (4.2) | 4130 (82.3) | 3826 (76.2) | 644 (12.8) | 1 (<0.1) | 547 (10.9) |
| Female pelvic medicine and reconstructive surgery | 45 | 118 (0.1) | 94 (79.7) | 86 (72.9) | 21 (17.8) | 0 | 11 (9.3) |
| Ophthalmology | 116 | 1348 (1.1) | 595 (44.1) | 1254 (93.0) | 70 (5.2) | 2 (0.1) | 22 (1.6) |
| Ophthalmic plastic and reconstructive surgery | 5 | 6 (<0.1) | 1 (16.7) | 5 (83.3) | 1 (16.7) | 0 | 0 |
| Orthopedic surgery | 156 | 3581 (3.0) | 516 (14.4) | 3484 (97.3) | 66 (1.8) | 0 | 31 (0.9) |
| Adult reconstructive orthopedics | 21 | 29 (<0.1) | 2 (6.9) | 18 (62.1) | 3 (10.3) | 3 (10.3) | 5 (17.2) |
| Foot and ankle orthopedics | 7 | 13 (<0.1) | 1 (7.7) | 12 (92.3) | 1 (7.7) | 0 | 0 |
| Hand surgery | 65 | 122 (0.1) | 28 (23.0) | 111 (91.0) | 4 (3.3) | 3 (2.5) | 4 (3.3) |
| Musculoskeletal oncology | 11 | 12 (<0.1) | 1 (8.3) | 4 (33.3) | 6 (50.0) | 1 (8.3) | 1 (8.3) |
| Orthopedic sports medicine | 95 | 179 (0.2) | 14 (7.8) | 141 (78.8) | 10 (5.6) | 3 (1.7) | 25 (14.0) |
| Orthopedic surgery of the spine | 18 | 29 (<0.1) | 3 (10.3) | 19 (65.5) | 8 (27.6) | 1 (3.4) | 1 (3.4) |
| Orthopedic trauma | 9 | 15 (<0.1) | 3 (20.0) | 11 (73.3) | 2 (13.3) | 2 (13.3) | 0 |
| Pediatric orthopedics | 27 | 38 (<0.1) | 12 (31.6) | 30 (78.9) | 5 (13.2) | 3 (7.9) | 0 |
| Otolaryngology | 106 | 1464 (1.2) | 511 (34.9) | 1436 (98.1) | 24 (1.6) | 1 (0.1) | 3 (0.2) |
| Neurotology | 19 | 26 (<0.1) | 6 (23.1) | 25 (96.2) | 0 | 1 (3.8) | 0 |
| Pediatric otolaryngology | 22 | 32 (<0.1) | 13 (40.6) | 29 (90.6) | 1 (3.1) | 1 (3.1) | 1 (3.1) |
| Pain medicine ^d | 97 | 292 (0.2) | 71 (24.3) | 193 (66.1) | 70 (24.0) | 0 | 29 (9.9) |
| Pathology-anatomic and clinical | 142 | 2270 (1.9) | 1202 (53.0) | 1221 (53.8) | 853 (37.6) | 3 (0.1) | 193 (8.5) |
| Blood banking/transfusion medicine | 48 | 50 (<0.1) | 20 (40.0) | 35 (70.0) | 10 (20.0) | 1 (2.0) | 4 (8.0) |
| Chemical pathology | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cytopathology | 92 | 127 (0.1) | 82 (64.6) | 82 (64.6) | 38 (29.9) | 0 | 7 (5.5) |
| Forensic pathology | 36 | 42 (<0.1) | 20 (47.6) | 30 (71.4) | 5 (11.9) | 2 (4.8) | 5 (11.9) |
| Hematology | 85 | 110 (0.1) | 60 (54.5) | 58 (52.7) | 43 (39.1) | 1 (0.9) | 8 (7.3) |
| Medical microbiology | 14 | 11 (<0.1) | 8 (72.7) | 6 (54.5) | 3 (27.3) | 0 | 2 (18.2) |
| Neuropathology | 32 | 39 (<0.1) | 22 (56.4) | 22 (56.4) | 16 (41.0) | 1 (2.6) | 0 |
| Pediatric pathology | 27 | 25 (<0.1) | 17 (68.0) | 17 (68.0) | 5 (20.0) | 2 (8.0) | 1 (4.0) |
| Selective pathology | 80 | 119 (0.1) | 65 (54.6) | 61 (51.3) | 53 (44.5) | 2 (1.7) | 3 (2.5) |
| Pediatrics | 199 | 8529 (7.2) | 6223 (73.0) | 5770 (67.7) | 1824 (21.4) | 3 (<0.1) | 932 (10.9) |
| Adolescent medicine | 28 | 66 (0.1) | 54 (81.8) | 50 (75.8) | 7 (10.6) | 0 | 9 (13.6) |
| Child abuse pediatrics | 26 | 34 (<0.1) | 32 (94.1) | 29 (85.3) | 3 (8.8) | 0 | 2 (5.9) |
| Clinical informatics | 1 | 2 (<0.1) | 1 (50.0) | 2 (100.0) | 0 | 0 | 0 |
| Developmental-behavioral pediatrics | 37 | 96 (0.1) | 80 (83.3) | 60 (62.5) | 25 (26.0) | 0 | 11 (11.5) |
| Neonatal-perinatal medicine | 98 | 683 (0.6) | 451 (66.0) | 373 (54.6) | 252 (36.9) | 2 (0.3) | 56 (8.2) |
| Pediatric cardiology | 57 | 424 (0.4) | 214 (50.5) | 290 (68.4) | 106 (25.0) | 3 (0.7) | 25 (5.9) |
| Pediatric critical care medicine | 64 | 454 (0.4) | 259 (57.0) | 286 (63.0) | 125 (27.5) | 3 (0.7) | 40 (8.8) |
| Pediatric emergency medicine | 51 | 357 (0.3) | 239 (66.9) | 262 (73.4) | 55 (15.4) | 1 (0.3) | 39 (10.9) |
| Pediatric endocrinology | 69 | 244 (0.2) | 185 (75.8) | 135 (55.3) | 93 (38.1) | 0 | 16 (6.6) |
| Pediatric gastroenterology | 57 | 269 (0.2) | 174 (64.7) | 152 (56.5) | 100 (37.2) | 1 (0.4) | 16 (5.9) |
| Pediatric hematology/oncology | 70 | 470 (0.4) | 312 (66.4) | 310 (66.0) | 121 (25.7) | 1 (0.2) | 38 (8.1) |
| Pediatric infectious diseases | 61 | 176 (0.1) | 125 (71.0) | 116 (65.9) | 51 (29.0) | 1 (0.6) | 8 (4.5) |
| Pediatric nephrology | 45 | 116 (0.1) | 80 (69.0) | 70 (60.3) | 43 (37.1) | 0 | 3 (2.6) |
| Pediatric pulmonology | 52 | 162 (0.1) | 101 (62.3) | 93 (57.4) | 59 (36.4) | 0 | 10 (6.2) |
| Pediatric rheumatology | 34 | 78 (0.1) | 57 (73.1) | 46 (59.0) | 21 (26.9) | 0 | 11 (14.1) |
| Pediatric sports medicine | 14 | 16 (<0.1) | 6 (37.5) | 9 (56.3) | 2 (12.5) | 0 | 5 (31.3) |
| Pediatric transplant hepatology | 7 | 7 (<0.1) | 4 (57.1) | 5 (71.4) | 2 (28.6) | 0 | 0 |

(continued)

Table 2. Resident Physicians on Duty in ACGME-Accredited and Combined Specialty GME Programs December 31, 2014 (continued)

| | Total No. of Programs ^a | No. (%) of Resident Physicians ^b | | | | | |
|---|------------------------------------|---|-------------|-------------|-------------|-----------|-------------|
| | | Total | Female | USMDs | IMGs | Canadians | Osteopathic |
| Physical medicine and rehabilitation | 78 | 1212 (1.0) | 472 (38.9) | 648 (53.5) | 213 (17.6) | 1 (0.1) | 350 (28.9) |
| Brain injury medicine | 3 | 2 (<0.1) | 0 | 2 (100.0) | 0 | 0 | 0 |
| Pediatric rehabilitation medicine | 17 | 23 (<0.1) | 14 (60.9) | 16 (69.6) | 1 (4.3) | 0 | 6 (26.1) |
| Spinal cord injury medicine | 19 | 16 (<0.1) | 7 (43.8) | 9 (56.3) | 5 (31.3) | 0 | 2 (12.5) |
| Sports medicine | 16 | 22 (<0.1) | 6 (27.3) | 12 (54.5) | 2 (9.1) | 0 | 8 (36.4) |
| Plastic surgery | 71 | 372 (0.3) | 98 (26.3) | 306 (82.3) | 57 (15.3) | 2 (0.5) | 7 (1.9) |
| Craniofacial surgery | 9 | 9 (<0.1) | 2 (22.2) | 7 (77.8) | 0 | 2 (22.2) | 0 |
| Hand surgery | 15 | 18 (<0.1) | 5 (27.8) | 12 (66.7) | 1 (5.6) | 5 (27.8) | 0 |
| Plastic surgery-integrated ^c | 65 | 573 (0.5) | 218 (38.0) | 546 (95.3) | 23 (4.0) | 0 | 4 (0.7) |
| Preventive medicine | 72 | 272 (0.2) | 135 (49.6) | 187 (68.8) | 55 (20.2) | 1 (0.4) | 29 (10.7) |
| Medical toxicology | 2 | 3 (<0.1) | 1 (33.3) | 3 (100.0) | 0 | 0 | 0 |
| Undersea and hyperbaric medicine | 2 | 1 (<0.1) | 1 (100.0) | 1 (100.0) | 0 | 0 | 0 |
| Psychiatry | 193 | 4966 (4.2) | 2692 (54.2) | 2774 (55.9) | 1620 (32.6) | 3 (0.1) | 569 (11.5) |
| Addiction psychiatry | 46 | 66 (0.1) | 27 (40.9) | 40 (60.6) | 22 (33.3) | 0 | 4 (6.1) |
| Child and adolescent psychiatry | 124 | 768 (0.6) | 457 (59.5) | 415 (54.0) | 256 (33.3) | 0 | 97 (12.6) |
| Forensic psychiatry | 40 | 64 (0.1) | 38 (59.4) | 48 (75.0) | 11 (17.2) | 1 (1.6) | 4 (6.3) |
| Geriatric psychiatry | 55 | 55 (<0.1) | 29 (52.7) | 21 (38.2) | 27 (49.1) | 0 | 7 (12.7) |
| Psychosomatic medicine | 54 | 78 (0.1) | 49 (62.8) | 47 (60.3) | 21 (26.9) | 2 (2.6) | 8 (10.3) |
| Radiation oncology | 90 | 706 (0.6) | 200 (28.3) | 677 (95.9) | 16 (2.3) | 0 | 13 (1.8) |
| Radiology-diagnostic | 185 | 4386 (3.7) | 1186 (27.0) | 3702 (84.4) | 412 (9.4) | 2 (<0.1) | 270 (6.2) |
| Abdominal radiology | 12 | 40 (<0.1) | 10 (25.0) | 28 (70.0) | 7 (17.5) | 2 (5.0) | 3 (7.5) |
| Endovascular surgical neuroradiology | 3 | 4 (<0.1) | 0 | 3 (75.0) | 1 (25.0) | 0 | 0 |
| Musculoskeletal radiology | 15 | 20 (<0.1) | 3 (15.0) | 19 (95.0) | 0 | 0 | 1 (5.0) |
| Neuroradiology | 85 | 215 (0.2) | 49 (22.8) | 149 (69.3) | 44 (20.5) | 6 (2.8) | 16 (7.4) |
| Nuclear radiology | 20 | 15 (<0.1) | 2 (13.3) | 9 (60.0) | 6 (40.0) | 0 | 0 |
| Pediatric radiology | 46 | 87 (0.1) | 40 (46.0) | 71 (81.6) | 14 (16.1) | 0 | 2 (2.3) |
| Vascular and interventional radiology | 93 | 203 (0.2) | 22 (10.8) | 173 (85.2) | 13 (6.4) | 0 | 17 (8.4) |
| Sleep medicine ^f | 83 | 136 (0.1) | 51 (37.5) | 46 (33.8) | 86 (63.2) | 0 | 4 (2.9) |
| Surgery-general | 257 | 8043 (6.8) | 3082 (38.3) | 6481 (80.6) | 1291 (16.1) | 3 (<0.1) | 268 (3.3) |
| Complex general surgical oncology | 19 | 101 (0.1) | 36 (35.6) | 74 (73.3) | 21 (20.8) | 5 (5.0) | 1 (1.0) |
| Hand surgery | 1 | 8 (<0.1) | 3 (37.5) | 7 (87.5) | 0 | 0 | 1 (12.5) |
| Pediatric surgery | 46 | 79 (0.1) | 27 (34.2) | 72 (91.1) | 5 (6.3) | 0 | 2 (2.5) |
| Surgical critical care | 112 | 211 (0.2) | 90 (42.7) | 163 (77.3) | 16 (7.6) | 3 (1.4) | 29 (13.7) |
| Vascular surgery | 108 | 234 (0.2) | 56 (23.9) | 155 (66.2) | 64 (27.4) | 0 | 15 (6.4) |
| Vascular surgery-integrated ^c | 51 | 211 (0.2) | 77 (36.5) | 185 (87.7) | 18 (8.5) | 0 | 8 (3.8) |
| Thoracic surgery | 65 | 208 (0.2) | 39 (18.8) | 151 (72.6) | 40 (19.2) | 4 (1.9) | 13 (6.3) |
| Congenital cardiac surgery | 12 | 7 (<0.1) | 2 (28.6) | 4 (57.1) | 3 (42.9) | 0 | 0 |
| Thoracic surgery-integrated ^c | 26 | 119 (0.1) | 25 (21.0) | 103 (86.6) | 13 (10.9) | 0 | 3 (2.5) |
| Urology | 126 | 1201 (1.0) | 280 (23.3) | 1128 (93.9) | 57 (4.7) | 1 (0.1) | 15 (1.2) |
| Female pelvic medicine and reconstructive surgery | 9 | 26 (<0.1) | 15 (57.7) | 23 (88.5) | 2 (7.7) | 1 (3.8) | 0 |
| Pediatric urology | 28 | 34 (<0.1) | 18 (52.9) | 33 (97.1) | 0 | 1 (2.9) | 0 |
| Transitional year | 102 | 953 (0.8) | 351 (36.8) | 833 (87.4) | 42 (4.4) | 0 | 78 (8.2) |
| Combined Specialties | | | | | | | |
| Diagnostic radiology/nuclear medicine | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Emergency medicine/family medicine | 2 | 20 (<0.1) | 9 (45.0) | 12 (60.0) | 5 (25.0) | 0 | 3 (15.0) |
| Family medicine/preventive medicine | 2 | 13 (<0.1) | 5 (38.5) | 8 (61.5) | 2 (15.4) | 0 | 3 (23.1) |
| Internal medicine/anesthesiology | 4 | 7 (<0.1) | 3 (42.9) | 7 (100.0) | 0 | 0 | 0 |
| Internal medicine/dermatology | 8 | 34 (<0.1) | 19 (55.9) | 34 (100.0) | 0 | 0 | 0 |
| Internal medicine/emergency medicine | 13 | 116 (0.1) | 41 (35.3) | 100 (86.2) | 8 (6.9) | 0 | 8 (6.9) |
| Internal medicine/emergency medicine/critical care medicine | 4 | 14 (<0.1) | 5 (35.7) | 12 (85.7) | 2 (14.3) | 0 | 0 |

(continued)

Table 2. Resident Physicians on Duty in ACGME-Accredited and Combined Specialty GME Programs December 31, 2014 (continued)

| | Total No. of Programs ^a | No. (%) of Resident Physicians ^b | | | | | |
|---|------------------------------------|---|----------------------|----------------------|----------------------|------------------|---------------------|
| | | Total | Female | USMDs | IMGs | Canadians | Osteopathic |
| Internal medicine/family medicine | 2 | 14 (<0.1) | 6 (42.9) | 8 (57.1) | 5 (35.7) | 0 | 1 (7.1) |
| Internal medicine/medical genetics | 4 | 1 (<0.1) | 0 | 1 (100.0) | 0 | 0 | 0 |
| Internal medicine/neurology | 2 | 5 (<0.1) | 1 (20.0) | 4 (80.0) | 0 | 0 | 1 (20.0) |
| Internal medicine/pediatrics | 79 | 1439 (1.2) | 847 (58.9) | 1189 (82.6) | 137 (9.5) | 1 (0.1) | 112 (7.8) |
| Internal medicine/preventive medicine | 6 | 29 (<0.1) | 9 (31.0) | 13 (44.8) | 15 (51.7) | 0 | 1 (3.4) |
| Internal medicine/psychiatry | 12 | 83 (0.1) | 39 (47.0) | 59 (71.1) | 20 (24.1) | 0 | 4 (4.8) |
| Pediatrics/anesthesiology | 7 | 22 (<0.1) | 13 (59.1) | 22 (100.0) | 0 | 0 | 0 |
| Pediatrics/emergency medicine | 4 | 37 (<0.1) | 19 (51.4) | 29 (78.4) | 7 (18.9) | 0 | 1 (2.7) |
| Pediatrics/medical genetics | 16 | 36 (<0.1) | 27 (75.0) | 31 (86.1) | 5 (13.9) | 0 | 0 |
| Pediatrics/physical medicine and rehabilitation | 4 | 14 (<0.1) | 9 (64.3) | 12 (85.7) | 0 | 0 | 2 (14.3) |
| Pediatrics/psychiatry/child and adolescent psychiatry | 10 | 87 (0.1) | 65 (74.7) | 71 (81.6) | 8 (9.2) | 0 | 8 (9.2) |
| Psychiatry/family medicine | 5 | 49 (<0.1) | 32 (65.3) | 45 (91.8) | 0 | 0 | 4 (8.2) |
| Psychiatry/neurology | 5 | 20 (<0.1) | 9 (45.0) | 18 (90.0) | 0 | 0 | 2 (10.0) |
| Total | 9768 | 118 366 (100.0) | 54 445 (46.0) | 78 206 (66.1) | 29 908 (25.3) | 153 (0.1) | 10 099 (8.5) |

Abbreviations: ACGME, Accreditation Council for Graduate Medical Education; GME, graduate medical education; IMGs, international medical graduates; USMDs, US allopathic medical graduates.

^a Total number of US GME programs accredited by the ACGME and combined specialty programs, as of December 31, 2014, surveyed by National GME Census during 2014.

^b Includes resident physicians on duty as of December 31, 2014, reported through the 2014 National GME Census. A total of 257 programs (2.6%) did not provide updated information on residents by March 1, 2015. For these nonresponding programs, resident physicians reported from the last received survey were moved into their next year in the program or graduated.

^c 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, radiation oncology, radiology or surgery.

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

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

^f Sleep medicine is a subspecialty of anesthesiology, family medicine, internal medicine, neurology, otolaryngology, pediatrics, or psychiatry.

Table 3. Total Number of Resident Physicians and Those in Program Year 1 and in Graduate Year 1 Positions on Duty December 31, 2014, in ACGME-Accredited Programs and 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 ^c | |
|-------------------------------------|-------------------------------------|---|--|----------------------|
| | | | With Prior US GME | Without Prior US GME |
| Allergy and immunology | 301 | 134 | 0 | 0 |
| Anesthesiology | 5686 | 1460 | 190 | 974 |
| Adult cardiothoracic anesthesiology | 172 | 170 | 0 | 0 |
| Critical care medicine | 148 | 145 | 0 | 0 |
| Obstetric anesthesiology | 30 | 30 | 0 | 0 |
| Pediatric anesthesiology | 191 | 191 | 0 | 0 |
| Colon and rectal surgery | 86 | 86 | 0 | 0 |
| Dermatology | 1212 | 392 | 1 | 3 |
| Dermatopathology | 73 | 72 | 0 | 0 |
| Procedural dermatology | 60 | 60 | 0 | 0 |
| Emergency medicine | 5731 | 1768 | 93 | 1675 |
| Clinical informatics | 1 | 0 | 0 | 0 |
| Emergency medical services | 33 | 33 | 0 | 0 |
| Medical toxicology | 58 | 29 | 0 | 0 |
| Pediatric emergency medicine | 90 | 29 | 0 | 0 |
| Sports medicine | 9 | 9 | 0 | 0 |
| Undersea and hyperbaric medicine | 3 | 3 | 0 | 0 |
| Family medicine | 10 119 | 3356 | 112 | 3244 |
| Geriatric medicine | 51 | 47 | 0 | 0 |
| Sports medicine | 178 | 178 | 0 | 0 |

(continued)

Table 3. Total Number of Resident Physicians and Those in Program Year 1 and in Graduate Year 1 Positions on Duty December 31, 2014, in ACGME-Accredited Programs and Combined Specialty Programs (continued)

| | Total No. of Residents ^a | No. of Residents in Program Year 1 Positions ^b | No. of Residents in Graduate Year 1 Positions ^c | |
|---|-------------------------------------|---|--|----------------------|
| | | | With Prior US GME | Without Prior US GME |
| Hospice and palliative medicine ^d | 218 | 215 | 0 | 0 |
| Internal medicine | 23 258 | 9014 | 178 | 8836 |
| Advanced heart failure and transplant cardiology | 73 | 73 | 0 | 0 |
| Cardiovascular disease | 2600 | 829 | 0 | 0 |
| Clinical cardiac electrophysiology | 163 | 132 | 0 | 0 |
| Critical care medicine | 207 | 127 | 0 | 0 |
| Endocrinology, diabetes, and metabolism | 606 | 266 | 0 | 0 |
| Gastroenterology | 1417 | 473 | 0 | 0 |
| Geriatric medicine | 243 | 231 | 0 | 0 |
| Hematology | 35 | 12 | 0 | 0 |
| Hematology and oncology | 1632 | 547 | 0 | 0 |
| Infectious disease | 770 | 344 | 0 | 0 |
| Interventional cardiology | 285 | 270 | 0 | 0 |
| Nephrology | 917 | 418 | 0 | 0 |
| Oncology | 73 | 29 | 0 | 0 |
| Pulmonary disease | 72 | 33 | 0 | 0 |
| Pulmonary disease and critical care medicine | 1504 | 496 | 0 | 0 |
| Rheumatology | 442 | 221 | 0 | 0 |
| Transplant hepatology | 35 | 34 | 0 | 0 |
| Medical genetics | 79 | 33 | 0 | 0 |
| Medical biochemical genetics | 9 | 8 | 0 | 0 |
| Molecular genetic pathology | 38 | 38 | 0 | 0 |
| Neurological surgery | 1315 | 209 | 6 | 203 |
| Endovascular surgical neuroradiology | 2 | 2 | 0 | 0 |
| Neurology | 2246 | 640 | 44 | 265 |
| Child neurology | 339 | 106 | 0 | 6 |
| Clinical neurophysiology | 205 | 195 | 0 | 0 |
| Endovascular surgical neuroradiology | 2 | 2 | 0 | 0 |
| Epilepsy | 9 | 8 | 0 | 0 |
| Neurodevelopmental disabilities | 14 | 6 | 0 | 0 |
| Neuromuscular medicine | 53 | 51 | 0 | 0 |
| Vascular neurology | 86 | 82 | 0 | 0 |
| Nuclear medicine | 82 | 40 | 0 | 0 |
| Obstetrics and gynecology | 5018 | 1294 | 30 | 1264 |
| Female pelvic medicine and reconstructive surgery | 118 | 42 | 0 | 0 |
| Ophthalmology | 1348 | 447 | 0 | 1 |
| Ophthalmic plastic and reconstructive surgery | 6 | 3 | 0 | 0 |
| Orthopedic surgery | 3581 | 715 | 21 | 693 |
| Adult reconstructive orthopedics | 29 | 28 | 0 | 1 |
| Foot and ankle orthopedics | 13 | 13 | 0 | 0 |
| Hand surgery | 122 | 120 | 0 | 0 |
| Musculoskeletal oncology | 12 | 12 | 0 | 0 |
| Orthopedic sports medicine | 179 | 179 | 0 | 0 |
| Orthopedic surgery of the spine | 29 | 28 | 0 | 0 |
| Orthopedic trauma | 15 | 15 | 0 | 0 |
| Pediatric orthopedics | 38 | 38 | 0 | 0 |
| Otolaryngology | 1464 | 288 | 5 | 283 |
| Neurotology | 26 | 12 | 0 | 0 |
| Pediatric otolaryngology | 32 | 28 | 0 | 0 |
| Pain medicine ^e | 292 | 292 | 0 | 0 |

(continued)

Table 3. Total Number of Resident Physicians and Those in Program Year 1 and in Graduate Year 1 Positions on Duty December 31, 2014, in ACGME-Accredited Programs and Combined Specialty Programs (continued)

| | Total No. of Residents ^a | No. of Residents in Program Year 1 Positions ^b | No. of Residents in Graduate Year 1 Positions ^c | |
|---|-------------------------------------|---|--|----------------------|
| | | | With Prior US GME | Without Prior US GME |
| Pathology-anatomic and clinical | 2270 | 594 | 46 | 548 |
| Blood banking/transfusion medicine | 50 | 50 | 0 | 0 |
| Cytopathology | 127 | 127 | 0 | 0 |
| Forensic pathology | 42 | 42 | 0 | 0 |
| Hematology | 110 | 107 | 0 | 0 |
| Medical microbiology | 11 | 11 | 0 | 0 |
| Neuropathology | 39 | 17 | 0 | 0 |
| Pediatric pathology | 25 | 23 | 0 | 0 |
| Selective pathology | 119 | 116 | 0 | 0 |
| Pediatrics | 8529 | 2855 | 33 | 2822 |
| Adolescent medicine | 66 | 21 | 0 | 0 |
| Child abuse pediatrics | 34 | 12 | 0 | 0 |
| Clinical informatics | 2 | 2 | 0 | 0 |
| Developmental-behavioral pediatrics | 96 | 28 | 0 | 0 |
| Neonatal-perinatal medicine | 683 | 241 | 0 | 0 |
| Pediatric cardiology | 424 | 134 | 0 | 0 |
| Pediatric critical care medicine | 454 | 161 | 0 | 0 |
| Pediatric emergency medicine | 357 | 123 | 0 | 0 |
| Pediatric endocrinology | 244 | 79 | 0 | 0 |
| Pediatric gastroenterology | 269 | 85 | 0 | 0 |
| Pediatric hematology/oncology | 470 | 153 | 0 | 0 |
| Pediatric infectious diseases | 176 | 64 | 0 | 0 |
| Pediatric nephrology | 116 | 37 | 0 | 0 |
| Pediatric pulmonology | 162 | 58 | 0 | 0 |
| Pediatric rheumatology | 78 | 29 | 0 | 0 |
| Pediatric sports medicine | 16 | 15 | 0 | 0 |
| Pediatric transplant hepatology | 7 | 7 | 0 | 0 |
| Physical medicine and rehabilitation | 1212 | 343 | 3 | 80 |
| Brain injury medicine | 2 | 2 | 0 | 0 |
| Pediatric rehabilitation medicine | 23 | 9 | 0 | 0 |
| Spinal cord injury medicine | 16 | 16 | 0 | 0 |
| Sports medicine | 22 | 22 | 0 | 0 |
| Plastic surgery | 372 | 111 | 0 | 5 |
| Craniofacial surgery | 9 | 9 | 0 | 0 |
| Hand surgery | 18 | 17 | 0 | 0 |
| Plastic surgery-integrated ^f | 573 | 119 | 3 | 116 |
| Preventive medicine | 272 | 137 | 0 | 0 |
| Medical toxicology | 3 | 2 | 0 | 0 |
| Undersea and hyperbaric medicine | 1 | 1 | 0 | 0 |
| Psychiatry | 4966 | 1316 | 42 | 1274 |
| Addiction psychiatry | 66 | 64 | 0 | 0 |
| Child and adolescent psychiatry | 768 | 365 | 0 | 0 |
| Forensic psychiatry | 64 | 64 | 0 | 0 |
| Geriatric psychiatry | 55 | 51 | 0 | 0 |
| Psychosomatic medicine | 78 | 76 | 0 | 0 |
| Radiation oncology | 706 | 178 | 0 | 2 |
| Radiology-diagnostic | 4386 | 1041 | 43 | 40 |
| Abdominal radiology | 40 | 38 | 0 | 0 |
| Endovascular surgical neuroradiology | 4 | 4 | 0 | 0 |
| Musculoskeletal radiology | 20 | 20 | 0 | 0 |

(continued)

Table 3. Total Number of Resident Physicians and Those in Program Year 1 and in Graduate Year 1 Positions on Duty December 31, 2014, in ACGME-Accredited Programs and Combined Specialty Programs (continued)

| | Total No. of Residents ^a | No. of Residents in Program Year 1 Positions ^b | No. of Residents in Graduate Year 1 Positions ^c | |
|---|-------------------------------------|---|--|----------------------|
| | | | With Prior US GME | Without Prior US GME |
| Radiology-diagnostic (continued) | | | | |
| Neuroradiology | 215 | 196 | 0 | 0 |
| Nuclear radiology | 15 | 15 | 0 | 0 |
| Pediatric radiology | 87 | 87 | 0 | 0 |
| Vascular and interventional radiology | 203 | 203 | 0 | 0 |
| Sleep medicine ^g | 136 | 135 | 0 | 0 |
| Surgery-general | 8043 | 2384 | 111 | 2273 |
| Complex general surgical oncology | 101 | 46 | 0 | 0 |
| Hand surgery | 8 | 8 | 0 | 0 |
| Pediatric surgery | 79 | 36 | 0 | 0 |
| Surgical critical care | 211 | 200 | 0 | 0 |
| Vascular surgery | 234 | 108 | 0 | 2 |
| Vascular surgery-integrated ^f | 211 | 52 | 6 | 46 |
| Thoracic surgery | 208 | 86 | 0 | 1 |
| Congenital cardiac surgery | 7 | 7 | 0 | 0 |
| Thoracic surgery-integrated ^f | 119 | 33 | 4 | 29 |
| Urology | 1201 | 262 | 0 | 16 |
| Female pelvic medicine and reconstructive surgery | 26 | 11 | 0 | 0 |
| Pediatric urology | 34 | 16 | 0 | 0 |
| Transitional year | 953 | 953 | 2 | 951 |
| Combined Specialties | | | | |
| Emergency medicine/family medicine | 20 | 4 | 0 | 4 |
| Family medicine/preventive medicine | 13 | 5 | 0 | 5 |
| Internal medicine/anesthesiology | 7 | 5 | 0 | 5 |
| Internal medicine/dermatology | 34 | 6 | 0 | 6 |
| Internal medicine/emergency medicine | 116 | 27 | 0 | 27 |
| Internal medicine/emergency medicine/critical care medicine | 14 | 0 | 0 | 0 |
| Internal medicine/family medicine | 14 | 3 | 0 | 3 |
| Internal medicine/medical genetics | 1 | 0 | 0 | 0 |
| Internal medicine/neurology | 5 | 1 | 0 | 1 |
| Internal medicine/pediatrics | 1439 | 359 | 3 | 356 |
| Internal medicine/preventive medicine | 29 | 8 | 0 | 8 |
| Internal medicine/psychiatry | 83 | 18 | 0 | 18 |
| Pediatrics/anesthesiology | 22 | 6 | 0 | 6 |
| Pediatrics/emergency medicine | 37 | 9 | 0 | 9 |
| Pediatrics/medical genetics | 36 | 8 | 0 | 8 |
| Pediatrics/physical medicine and rehabilitation | 14 | 3 | 0 | 3 |
| Pediatrics/psychiatry/child and adolescent psychiatry | 87 | 19 | 0 | 19 |
| Psychiatry/family medicine | 49 | 10 | 0 | 10 |
| Psychiatry/neurology | 20 | 5 | 1 | 4 |
| Total | 118 366 | 41 460 | 977 | 26 145 |

Abbreviations: ACGME, Accreditation Council for Graduate Medical Education; GME, graduate medical education.

^a Includes resident physicians on duty as of December 31, 2014, reported through the 2014 National GME Census. A total of 257 programs (2.6%) did not provide updated information on residents by March 1, 2015. For these nonresponding programs, resident physicians reported from the last received survey were moved into their next year in the program or graduated.

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

^c Graduate year 1 refers to positions available the first year after completing medical school; approximately 3.6% of resident physicians in graduate year 1 positions have had some prior US GME.

^d 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, radiation oncology, radiology, or surgery.

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

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

^g Sleep medicine is a subspecialty of anesthesiology, family medicine, internal medicine, neurology, otolaryngology, pediatrics, or psychiatry.

Table 4. Programs and Resident Physicians on Duty December 31, 2014, by Region and State

| Region and State | No. of Resident Physicians per 100 000 ^a | 2014 State Population in 1000s ^b | No. (%) | |
|----------------------|---|---|-----------------------|----------------------------------|
| | | | Programs ^c | Resident Physicians ^d |
| New England | 65 | 14 681 | 780 (8.0) | 9559 (8.1) |
| Connecticut | 63 | 3597 | 180 (1.8) | 2280 (1.9) |
| Maine | 25 | 1330 | 26 (0.3) | 330 (0.3) |
| Massachusetts | 81 | 6745 | 422 (4.3) | 5487 (4.6) |
| New Hampshire | 31 | 1327 | 47 (0.5) | 407 (0.3) |
| Rhode Island | 72 | 1055 | 69 (0.7) | 763 (0.6) |
| Vermont | 47 | 627 | 36 (0.4) | 292 (0.2) |
| Middle Atlantic | 65 | 41 472 | 1973 (20.2) | 26 843 (22.7) |
| New Jersey | 32 | 8938 | 206 (2.1) | 2857 (2.4) |
| New York | 81 | 19 746 | 1135 (11.6) | 16 067 (13.6) |
| Pennsylvania | 62 | 12 787 | 632 (6.5) | 7919 (6.7) |
| East North Central | 43 | 46 739 | 1663 (17.0) | 20 218 (17.1) |
| Illinois | 47 | 12 881 | 462 (4.7) | 6028 (5.1) |
| Indiana | 21 | 6597 | 113 (1.2) | 1415 (1.2) |
| Michigan | 50 | 9910 | 395 (4.0) | 4999 (4.2) |
| Ohio | 51 | 11 594 | 510 (5.2) | 5919 (5.0) |
| Wisconsin | 32 | 5758 | 183 (1.9) | 1857 (1.6) |
| West North Central | 37 | 21 006 | 672 (6.9) | 7699 (6.5) |
| Iowa | 28 | 3107 | 90 (0.9) | 859 (0.7) |
| Kansas | 28 | 2904 | 60 (0.6) | 805 (0.7) |
| Minnesota | 42 | 5457 | 201 (2.1) | 2310 (2.0) |
| Missouri | 45 | 6064 | 234 (2.4) | 2719 (2.3) |
| Nebraska | 39 | 1882 | 67 (0.7) | 742 (0.6) |
| North Dakota | 18 | 739 | 9 (0.1) | 132 (0.1) |
| South Dakota | 15 | 853 | 11 (0.1) | 132 (0.1) |
| South Atlantic | 29 | 62 515 | 1648 (16.9) | 18 287 (15.4) |
| Delaware | 31 | 936 | 27 (0.3) | 293 (0.2) |
| District of Columbia | 274 | 659 | 176 (1.8) | 1806 (1.5) |
| Florida | 20 | 19 893 | 365 (3.7) | 3954 (3.3) |
| Georgia | 21 | 10 097 | 188 (1.9) | 2166 (1.8) |
| Maryland | 45 | 5976 | 220 (2.3) | 2704 (2.3) |
| North Carolina | 32 | 9944 | 284 (2.9) | 3192 (2.7) |
| South Carolina | 26 | 4832 | 105 (1.1) | 1275 (1.1) |
| Virginia | 26 | 8326 | 220 (2.3) | 2190 (1.9) |
| West Virginia | 38 | 1850 | 63 (0.6) | 707 (0.6) |
| East South Central | 28 | 18 806 | 491 (5.0) | 5351 (4.5) |
| Alabama | 28 | 4849 | 116 (1.2) | 1349 (1.1) |
| Kentucky | 25 | 4413 | 118 (1.2) | 1118 (0.9) |
| Mississippi | 19 | 2994 | 56 (0.6) | 558 (0.5) |
| Tennessee | 36 | 6549 | 201 (2.1) | 2326 (2.0) |
| West South Central | 30 | 38 451 | 922 (9.4) | 11 364 (9.6) |
| Arkansas | 25 | 2966 | 64 (0.7) | 746 (0.6) |
| Louisiana | 44 | 4650 | 169 (1.7) | 2052 (1.7) |
| Oklahoma | 21 | 3878 | 71 (0.7) | 812 (0.7) |
| Texas | 29 | 26 957 | 618 (6.3) | 7754 (6.6) |
| Mountain | 21 | 23 197 | 417 (4.3) | 4796 (4.1) |
| Arizona | 24 | 6731 | 133 (1.4) | 1631 (1.4) |
| Colorado | 24 | 5356 | 111 (1.1) | 1282 (1.1) |
| Idaho | 6 | 1634 | 8 (0.1) | 105 (0.1) |
| Montana | 6 | 1024 | 4 (<0.1) | 57 (<0.1) |
| Nevada | 12 | 2839 | 24 (0.2) | 337 (0.3) |
| New Mexico | 28 | 2086 | 57 (0.6) | 588 (0.5) |
| Utah | 26 | 2943 | 78 (0.8) | 754 (0.6) |
| Wyoming | 7 | 584 | 2 (<0.1) | 42 (<0.1) |

(continued)

Table 4. Programs and Resident Physicians on Duty December 31, 2014, by Region and State (continued)

| Region and State | No. of Resident Physicians per 100 000 ^a | 2014 State Population in 1000s ^b | No. (%) | |
|------------------|---|---|-----------------------|----------------------------------|
| | | | Programs ^c | Resident Physicians ^d |
| Pacific | 26 | 51 991 | 1133 (11.6) | 13 454 (11.4) |
| Alaska | 5 | 737 | 2 (<0.1) | 36 (<0.1) |
| California | 26 | 38 803 | 866 (8.9) | 10 281 (8.7) |
| Hawaii | 26 | 1420 | 32 (0.3) | 376 (0.3) |
| Oregon | 22 | 3970 | 85 (0.9) | 893 (0.8) |
| Washington | 26 | 7062 | 148 (1.5) | 1868 (1.6) |
| Puerto Rico | 22 | 3548 | 69 (0.7) | 795 (0.7) |
| Total | 36.7 | 322 405 | 9768 (100.0) | 118 366 (100.0) |

^a Aggregate number of resident physicians per 100 000 population.

^b The 2014 state population is from Table 1 in the "Annual Estimates of the Resident Population for the United States, Regions, States, and Puerto Rico: April 1, 2010 to July 1, 2014 (NST-EST2014-01)." (Source: US Census Bureau, Population Division. [release date: December 2014]; <http://www.census.gov/popest/data/state/totals/2014/index.html>. Accessed July 1, 2015). The total population numbers include the District of Columbia and Puerto Rico.

^c Total number of US graduate medical education (GME) programs accredited

by the Accreditation Council for Graduate Medical Education and combined specialty programs, as of December 31, 2014, surveyed by the National GME Census during 2014.

^d Includes resident physicians on duty as of December 31, 2014, reported through the 2014 National GME Census. A total of 257 programs (2.6%) did not provide updated information on residents by March 1, 2015. 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 Without Prior US Graduate Medical Education (GME) in the First Year of GME on Duty December 31, 2014

| Specialty/Subspecialty | No. of International Medical Graduates Without Prior US GME by Citizenship Status ^a | | | | |
|---|--|-----------------------|--------------------|----------------------------------|-------------|
| | US Citizen | US Permanent Resident | Non-US Citizen | Unknown Citizenship/Foreign Born | Total |
| Anesthesiology | 54 | 14 | 26 | 12 | 106 |
| Emergency medicine | 55 | 2 | 17 | 5 | 79 |
| Family medicine | 633 | 113 | 137 | 121 | 1004 |
| Internal medicine | 965 | 427 | 863 | 789 | 3044 |
| Neurological surgery | 1 | 1 | 4 | 0 | 6 |
| Neurology | 22 | 16 | 37 | 26 | 101 |
| Obstetrics and gynecology | 63 | 17 | 34 | 15 | 129 |
| Orthopedic surgery | 4 | 1 | 1 | 3 | 9 |
| Otolaryngology | 0 | 4 | 1 | 1 | 6 |
| Pathology-anatomic and clinical | 39 | 63 | 60 | 43 | 205 |
| Pediatrics | 197 | 68 | 201 | 79 | 545 |
| Physical medicine and rehabilitation | 5 | 1 | 2 | 0 | 8 |
| Plastic surgery-integrated ^b | 1 | 2 | 1 | 0 | 4 |
| Psychiatry | 187 | 66 | 89 | 43 | 385 |
| Radiology-diagnostic | 0 | 0 | 0 | 2 | 2 |
| Surgery-general | 144 | 44 | 115 | 51 | 354 |
| Vascular surgery-integrated ^b | 2 | 0 | 2 | 0 | 4 |
| Transitional year | 18 | 10 | 12 | 1 | 41 |
| Combined Specialties | | | | | |
| Family medicine/preventive medicine | 0 | 0 | 0 | 1 | 1 |
| Internal medicine/emergency medicine | 1 | 1 | 0 | 0 | 2 |
| Internal medicine/pediatrics | 22 | 3 | 11 | 1 | 37 |
| Internal medicine/preventive medicine | 0 | 0 | 0 | 3 | 3 |
| Internal medicine/psychiatry | 4 | 0 | 0 | 0 | 4 |
| Pediatrics/emergency medicine | 4 | 0 | 0 | 0 | 4 |
| Pediatrics/medical genetics | 0 | 0 | 2 | 0 | 2 |
| Pediatrics/psychiatry/child and adolescent psychiatry | 1 | 0 | 1 | 0 | 2 |
| Total (%) | 2422 (39.8) | 853 (14.0) | 1616 (26.5) | 1196 (19.7) | 6087 |

^a 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.

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

Table 6. Race and Hispanic Ethnic Origin of Resident Physicians on Duty December 31, 2014, by Type of Medical School From Which They Graduated

| | No. (%) of Resident Physicians ^a | | | Total |
|----------------------------------|---|---------------------|----------------------|----------------|
| | US and Canadian Allopathic | US Osteopathic | Non-US | |
| Race^b | | | | |
| Black | 4820 (71.4) | 213 (3.2) | 1719 (25.5) | 6752 |
| American Indian/Alaskan Native | 170 (78.0) | 17 (7.8) | 31 (14.2) | 218 |
| White | 51 660 (75.3) | 7267 (10.6) | 9712 (14.1) | 68 639 |
| Asian | 16 705 (50.6) | 1791 (5.4) | 14 519 (44.0) | 33 015 |
| Native Hawaiian/Pacific Islander | 104 (57.5) | 18 (9.9) | 59 (32.6) | 181 |
| Multiracial | 2341 (78.8) | 193 (6.5) | 436 (14.7) | 2970 |
| Other/unknown | 2559 (38.8) | 600 (9.1) | 3432 (52.1) | 6591 |
| Ethnic origin^b | | | | |
| Hispanic | 5567 (61.5) | 317 (3.5) | 3164 (35.0) | 9048 |
| Non-Hispanic | 72 792 (66.6) | 9782 (8.9) | 26 744 (24.5) | 109 318 |
| Total^c | 78 359 (66.2) | 10 099 (8.5) | 29 908 (25.3) | 118 366 |

^a Includes resident physicians on duty as of December 31, 2014, reported through the 2014 National Graduate Medical Education (GME) Census. A total of 257 programs (2.6%) did not provide updated information on residents by March 1, 2015. For these nonresponding programs, resident physicians reported from the last received survey were moved into their next year in the program or graduated.

^b The 2014 National GME Census imported self-designated race/ethnicity from

Association of American Medical Colleges databases where available. "Multiracial" refers to residents who have self-identified as more than 1 race. A person of Hispanic ethnicity may be of any race.

^c These total data apply to each subsection separately (ie, total for race and total for ethnic origin).

Table 7. Citizenship/Visa Status of All Resident Physicians and International Medical Graduates on Duty December 31, 2014, in ACGME-Accredited and Combined Specialty Programs

| Citizenship/Visa Status | No. (%) of Resident Physicians ^a | |
|--------------------------------------|---|--|
| | Total | International Medical Graduates ^b |
| US citizen | | |
| Native | 80 864 (68.3) | 7059 (23.6) |
| Naturalized | 9729 (8.2) | 3760 (12.6) |
| Permanent resident | 7512 (6.3) | 4905 (16.4) |
| B-1, B-2 temporary visitor | 76 (0.1) | 75 (0.2) |
| F-1 student | 388 (0.3) | 4 (<0.1) |
| H-1, H-1B, H-2, H-3 temporary worker | 3457 (2.9) | 3196 (10.7) |
| J-1, J-2 exchange visitor | 6030 (5.1) | 5876 (19.6) |
| Refugee/asylee/displaced person | 51 (<0.1) | 46 (0.2) |
| Other | 246 (0.2) | 141 (0.5) |
| Unknown citizenship | | |
| Foreign born | 8909 (7.5) | 4846 (16.2) |
| Unknown birth country | 1104 (0.9) | 0 |
| Total | 118 366 | 29 908 |

Abbreviation: ACGME, Accreditation Council for Graduate Medical Education.

^a Includes resident physicians on duty as of December 31, 2014, reported through the 2014 National Graduate Medical Education (GME) Census. A total of 257 programs (2.6%) did not provide updated information on residents by March 1, 2015. For these nonresponding programs, resident physicians reported from the last received survey were moved into their next year in the program or graduated.

^b Does not include graduates of Canadian medical schools.

Table 8. Race and Ethnic Origin of Resident Physicians in ACGME-Accredited and Combined Specialty Graduate Medical Education (GME) Programs on Duty December 31, 2014, by Specialty

| Specialty/Subspecialty | No. of Resident Physicians ^{a,b} | | | | | | | | Total |
|--|---|------------------------------------|--------|-------|--------------------------------------|--------------------------|-------------------|------------------------------|--------|
| | Black | American Indian/ Alaskan Native | White | Asian | Native Hawaiian/ Pacific Islander | Multiracial ^b | Other/ Unknown | Hispanic Origin ^b | |
| Allergy and immunology | 11 | 0 | 169 | 89 | 1 | 5 | 26 | 24 | 301 |
| Anesthesiology | 352 | 12 | 3509 | 1430 | 18 | 136 | 229 | 332 | 5686 |
| Adult cardiothoracic anesthesiology | 3 | 0 | 122 | 37 | 1 | 1 | 8 | 10 | 172 |
| Critical care medicine | 5 | 1 | 94 | 34 | 0 | 3 | 11 | 7 | 148 |
| Obstetric anesthesiology | 3 | 0 | 18 | 7 | 0 | 0 | 2 | 4 | 30 |
| Pediatric anesthesiology | 11 | 0 | 108 | 58 | 1 | 1 | 12 | 9 | 191 |
| Colon and rectal surgery | 3 | 0 | 54 | 20 | 1 | 2 | 6 | 10 | 86 |
| Dermatology | 47 | 2 | 834 | 246 | 2 | 23 | 58 | 81 | 1212 |
| Dermatopathology | 3 | 0 | 51 | 14 | 0 | 0 | 5 | 5 | 73 |
| Procedural dermatology | 2 | 0 | 52 | 3 | 0 | 0 | 3 | 1 | 60 |
| Emergency medicine | 292 | 10 | 4195 | 834 | 2 | 196 | 202 | 424 | 5731 |
| Clinical informatics | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Emergency medical services | 0 | 0 | 26 | 3 | 0 | 1 | 3 | 1 | 33 |
| Medical toxicology | 0 | 0 | 47 | 9 | 0 | 0 | 2 | 2 | 58 |
| Pediatric emergency medicine | 8 | 0 | 63 | 13 | 0 | 0 | 6 | 14 | 90 |
| Sports medicine | 0 | 0 | 7 | 1 | 0 | 0 | 1 | 0 | 9 |
| Undersea and hyperbaric medicine | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 3 |
| Family medicine | 748 | 39 | 6115 | 2388 | 29 | 277 | 523 | 890 | 10 119 |
| Geriatric medicine | 3 | 0 | 24 | 18 | 0 | 1 | 5 | 6 | 51 |
| Sports medicine | 12 | 0 | 128 | 19 | 2 | 3 | 14 | 13 | 178 |
| Hospice and palliative medicine ^c | 11 | 0 | 134 | 42 | 1 | 3 | 27 | 15 | 218 |
| Internal medicine | 1385 | 27 | 10 549 | 9132 | 21 | 477 | 1667 | 1814 | 23 258 |
| Advanced heart failure and transplant cardiology | 7 | 0 | 32 | 27 | 0 | 2 | 5 | 6 | 73 |
| Cardiovascular disease | 135 | 1 | 1158 | 1062 | 8 | 43 | 193 | 184 | 2600 |
| Clinical cardiac electrophysiology | 4 | 1 | 81 | 62 | 1 | 2 | 12 | 10 | 163 |
| Critical care medicine | 9 | 0 | 79 | 93 | 0 | 0 | 26 | 17 | 207 |
| Endocrinology, diabetes, and metabolism | 27 | 0 | 254 | 257 | 0 | 13 | 55 | 82 | 606 |
| Gastroenterology | 68 | 1 | 632 | 607 | 1 | 31 | 77 | 123 | 1417 |
| Geriatric medicine | 15 | 1 | 81 | 107 | 1 | 4 | 34 | 21 | 243 |
| Hematology | 0 | 0 | 12 | 20 | 0 | 2 | 1 | 2 | 35 |
| Hematology and oncology | 62 | 3 | 733 | 714 | 1 | 20 | 99 | 86 | 1632 |
| Infectious disease | 48 | 1 | 405 | 241 | 3 | 11 | 61 | 100 | 770 |
| Interventional cardiology | 20 | 0 | 118 | 120 | 1 | 8 | 18 | 13 | 285 |
| Nephrology | 59 | 2 | 255 | 501 | 4 | 17 | 79 | 76 | 917 |
| Oncology | 2 | 0 | 32 | 31 | 0 | 3 | 5 | 5 | 73 |
| Pulmonary disease | 9 | 0 | 16 | 35 | 1 | 1 | 10 | 8 | 72 |
| Pulmonary disease and critical care medicine | 59 | 1 | 770 | 523 | 5 | 31 | 115 | 121 | 1504 |
| Rheumatology | 15 | 0 | 196 | 187 | 2 | 9 | 33 | 31 | 442 |
| Transplant hepatology | 5 | 0 | 13 | 12 | 1 | 0 | 4 | 2 | 35 |
| Medical genetics | 3 | 0 | 54 | 13 | 0 | 3 | 6 | 13 | 79 |
| Medical biochemical genetics | 0 | 0 | 6 | 2 | 0 | 0 | 1 | 3 | 9 |
| Molecular genetic pathology | 0 | 0 | 19 | 16 | 0 | 0 | 3 | 1 | 38 |
| Neurological surgery | 76 | 2 | 814 | 306 | 1 | 44 | 72 | 93 | 1315 |
| Endovascular surgical neuroradiology | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |

(continued)

Table 8. Race and Ethnic Origin of Resident Physicians in ACGME-Accredited and Combined Specialty Graduate Medical Education (GME) Programs on Duty December 31, 2014, by Specialty (continued)

| | No. of Resident Physicians ^{a,b} | | | | | | | | Total |
|---|---|------------------------------------|-------|-------|--------------------------------------|--------------------------|-------------------|------------------------------|-------|
| | Black | American Indian/ Alaskan Native | White | Asian | Native Hawaiian/ Pacific Islander | Multiracial ^b | Other/ Unknown | Hispanic Origin ^b | |
| Neurology | 88 | 4 | 1179 | 803 | 2 | 44 | 126 | 177 | 2246 |
| Child neurology | 12 | 0 | 197 | 109 | 2 | 8 | 11 | 22 | 339 |
| Clinical neurophysiology | 10 | 0 | 111 | 67 | 0 | 1 | 16 | 15 | 205 |
| Endovascular surgical neuroradiology | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| Epilepsy | 0 | 0 | 2 | 3 | 0 | 0 | 4 | 1 | 9 |
| Neurodevelopmental disabilities | 0 | 0 | 11 | 3 | 0 | 0 | 0 | 0 | 14 |
| Neuromuscular medicine | 3 | 0 | 30 | 12 | 0 | 0 | 8 | 2 | 53 |
| Vascular neurology | 2 | 1 | 34 | 38 | 0 | 1 | 10 | 5 | 86 |
| Nuclear medicine | 2 | 0 | 38 | 30 | 0 | 2 | 10 | 4 | 82 |
| Obstetrics and gynecology | 514 | 9 | 3400 | 727 | 9 | 177 | 182 | 481 | 5018 |
| Female pelvic medicine and reconstructive surgery | 9 | 0 | 76 | 19 | 0 | 3 | 11 | 9 | 118 |
| Ophthalmology | 31 | 2 | 786 | 417 | 2 | 30 | 80 | 64 | 1348 |
| Ophthalmic plastic and reconstructive surgery | 0 | 0 | 4 | 0 | 0 | 1 | 1 | 1 | 6 |
| Orthopedic surgery | 135 | 5 | 2776 | 438 | 1 | 114 | 112 | 178 | 3581 |
| Adult reconstructive orthopedics | 2 | 0 | 17 | 6 | 0 | 0 | 4 | 0 | 29 |
| Foot and ankle orthopedics | 0 | 0 | 7 | 6 | 0 | 0 | 0 | 0 | 13 |
| Hand surgery | 2 | 0 | 92 | 19 | 1 | 2 | 6 | 3 | 122 |
| Musculoskeletal oncology | 1 | 0 | 4 | 4 | 0 | 0 | 3 | 1 | 12 |
| Orthopedic sports medicine | 10 | 0 | 142 | 18 | 0 | 0 | 9 | 7 | 179 |
| Orthopedic surgery of the spine | 5 | 0 | 11 | 4 | 0 | 1 | 8 | 5 | 29 |
| Orthopedic trauma | 0 | 0 | 11 | 1 | 0 | 1 | 2 | 1 | 15 |
| Pediatric orthopedics | 2 | 0 | 29 | 6 | 0 | 1 | 0 | 1 | 38 |
| Otolaryngology | 29 | 3 | 1009 | 333 | 1 | 47 | 42 | 78 | 1464 |
| Neurotology | 0 | 1 | 18 | 7 | 0 | 0 | 0 | 0 | 26 |
| Pediatric otolaryngology | 2 | 1 | 23 | 5 | 0 | 0 | 1 | 3 | 32 |
| Pain medicine ^d | 21 | 1 | 138 | 103 | 0 | 2 | 27 | 17 | 292 |
| Pathology-anatomic and clinical | 68 | 3 | 1321 | 661 | 4 | 73 | 140 | 183 | 2270 |
| Blood banking/transfusion medicine | 1 | 0 | 35 | 11 | 0 | 0 | 3 | 2 | 50 |
| Cytopathology | 4 | 0 | 75 | 35 | 0 | 0 | 13 | 12 | 127 |
| Forensic pathology | 5 | 0 | 29 | 4 | 0 | 2 | 2 | 3 | 42 |
| Hematology | 3 | 0 | 60 | 37 | 0 | 2 | 8 | 8 | 110 |
| Medical microbiology | 2 | 0 | 7 | 1 | 0 | 0 | 1 | 0 | 11 |
| Neuropathology | 2 | 0 | 25 | 9 | 0 | 1 | 2 | 1 | 39 |
| Pediatric pathology | 1 | 0 | 18 | 2 | 0 | 1 | 3 | 2 | 25 |
| Selective pathology | 5 | 1 | 67 | 38 | 1 | 0 | 7 | 8 | 119 |
| Pediatrics | 551 | 14 | 5265 | 2014 | 11 | 243 | 431 | 774 | 8529 |
| Adolescent medicine | 11 | 0 | 37 | 9 | 1 | 2 | 6 | 12 | 66 |
| Child abuse pediatrics | 4 | 1 | 21 | 5 | 0 | 1 | 2 | 4 | 34 |
| Clinical informatics | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 2 |
| Developmental-behavioral pediatrics | 3 | 0 | 68 | 15 | 1 | 1 | 8 | 12 | 96 |
| Neonatal-perinatal medicine | 47 | 1 | 379 | 218 | 0 | 10 | 28 | 53 | 683 |
| Pediatric cardiology | 12 | 1 | 246 | 131 | 1 | 8 | 25 | 30 | 424 |
| Pediatric critical care medicine | 17 | 0 | 310 | 97 | 0 | 10 | 20 | 40 | 454 |
| Pediatric emergency medicine | 20 | 0 | 265 | 58 | 0 | 6 | 8 | 20 | 357 |
| Pediatric endocrinology | 6 | 0 | 149 | 65 | 0 | 4 | 20 | 27 | 244 |

(continued)

Table 8. Race and Ethnic Origin of Resident Physicians in ACGME-Accredited and Combined Specialty Graduate Medical Education (GME) Programs on Duty December 31, 2014, by Specialty (continued)

| | No. of Resident Physicians ^{a,b} | | | | | | | | Total |
|--|---|------------------------------------|-------|-------|--------------------------------------|--------------------------|-------------------|------------------------------|-------|
| | Black | American Indian/ Alaskan Native | White | Asian | Native Hawaiian/ Pacific Islander | Multiracial ^b | Other/ Unknown | Hispanic Origin ^b | |
| Pediatrics (continued) | | | | | | | | | |
| Pediatric gastroenterology | 11 | 1 | 136 | 91 | 0 | 10 | 20 | 28 | 269 |
| Pediatric hematology/oncology | 22 | 1 | 289 | 133 | 0 | 7 | 18 | 32 | 470 |
| Pediatric infectious diseases | 14 | 0 | 103 | 38 | 0 | 4 | 17 | 19 | 176 |
| Pediatric nephrology | 9 | 0 | 53 | 37 | 1 | 7 | 9 | 10 | 116 |
| Pediatric pulmonology | 7 | 1 | 95 | 47 | 0 | 0 | 12 | 15 | 162 |
| Pediatric rheumatology | 1 | 0 | 56 | 18 | 0 | 0 | 3 | 5 | 78 |
| Pediatric sports medicine | 0 | 0 | 13 | 2 | 0 | 0 | 1 | 0 | 16 |
| Pediatric transplant hepatology | 0 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 7 |
| Physical medicine and rehabilitation | | | | | | | | | |
| Brain injury medicine | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| Pediatric rehabilitation medicine | 1 | 0 | 19 | 2 | 0 | 0 | 1 | 3 | 23 |
| Spinal cord injury medicine | 1 | 0 | 4 | 10 | 0 | 0 | 1 | 1 | 16 |
| Sports medicine | 1 | 0 | 11 | 8 | 0 | 0 | 2 | 3 | 22 |
| Plastic surgery | | | | | | | | | |
| Craniofacial surgery | 0 | 0 | 6 | 3 | 0 | 0 | 0 | 1 | 9 |
| Hand surgery | 1 | 0 | 14 | 2 | 0 | 0 | 1 | 2 | 18 |
| Plastic surgery-integrated ^e | 12 | 3 | 416 | 113 | 0 | 17 | 12 | 40 | 573 |
| Preventive medicine | | | | | | | | | |
| Medical toxicology | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| Undersea and hyperbaric medicine | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Psychiatry | | | | | | | | | |
| Addiction psychiatry | 5 | 0 | 36 | 18 | 0 | 0 | 7 | 3 | 66 |
| Child and adolescent psychiatry | 62 | 1 | 405 | 246 | 0 | 21 | 33 | 82 | 768 |
| Forensic psychiatry | 7 | 0 | 35 | 15 | 0 | 0 | 7 | 3 | 64 |
| Geriatric psychiatry | 5 | 0 | 33 | 15 | 0 | 1 | 1 | 5 | 55 |
| Psychosomatic medicine | 6 | 0 | 52 | 14 | 0 | 1 | 5 | 14 | 78 |
| Radiation oncology | | | | | | | | | |
| Radiology-diagnostic | 145 | 6 | 2777 | 1177 | 2 | 121 | 158 | 207 | 4386 |
| Abdominal radiology | 1 | 0 | 27 | 5 | 0 | 0 | 7 | 1 | 40 |
| Endovascular surgical neuroradiology | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 4 |
| Musculoskeletal radiology | 0 | 0 | 15 | 4 | 0 | 0 | 1 | 2 | 20 |
| Neuroradiology | 3 | 0 | 116 | 73 | 0 | 4 | 19 | 9 | 215 |
| Nuclear radiology | 0 | 0 | 9 | 5 | 0 | 0 | 1 | 0 | 15 |
| Pediatric radiology | 3 | 0 | 60 | 12 | 2 | 0 | 10 | 5 | 87 |
| Vascular and interventional radiology | 4 | 1 | 130 | 52 | 2 | 4 | 10 | 8 | 203 |
| Sleep medicine ^f | | | | | | | | | |
| Surgery-general | 495 | 21 | 5229 | 1593 | 13 | 248 | 444 | 685 | 8043 |
| Complex general surgical oncology | 7 | 0 | 57 | 29 | 0 | 3 | 5 | 7 | 101 |
| Hand surgery | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 0 | 8 |
| Pediatric surgery | 1 | 0 | 57 | 14 | 0 | 1 | 6 | 3 | 79 |
| Surgical critical care | 13 | 0 | 150 | 32 | 0 | 4 | 12 | 12 | 211 |
| Vascular surgery | 9 | 1 | 133 | 64 | 2 | 9 | 16 | 26 | 234 |
| Vascular surgery-integrated ^e | 10 | 3 | 133 | 46 | 1 | 5 | 13 | 18 | 211 |
| Thoracic surgery | | | | | | | | | |
| Congenital cardiac surgery | 0 | 0 | 3 | 3 | 0 | 0 | 1 | 0 | 7 |

(continued)

Table 8. Race and Ethnic Origin of Resident Physicians in ACGME-Accredited and Combined Specialty Graduate Medical Education (GME) Programs on Duty December 31, 2014, by Specialty (continued)

| | No. of Resident Physicians ^{a,b} | | | | | | | | Total |
|---|---|------------------------------------|--------------------------|--------------------------|--------------------------------------|--------------------------|-----------------------|------------------------------|----------------|
| | Black | American Indian/ Alaskan Native | White | Asian | Native Hawaiian/ Pacific Islander | Multiracial ^b | Other/ Unknown | Hispanic Origin ^b | |
| Thoracic surgery-integrated ^e | 2 | 0 | 86 | 20 | 0 | 1 | 10 | 10 | 119 |
| Urology | 49 | 2 | 851 | 225 | 2 | 27 | 45 | 77 | 1201 |
| Female pelvic medicine and reconstructive surgery | 1 | 1 | 10 | 8 | 0 | 1 | 5 | 2 | 26 |
| Pediatric urology | 1 | 0 | 23 | 7 | 0 | 2 | 1 | 1 | 34 |
| Transitional year | 27 | 2 | 641 | 216 | 1 | 21 | 45 | 52 | 953 |
| Combined Specialties | | | | | | | | | |
| Emergency medicine/family medicine | 3 | 0 | 14 | 1 | 0 | 1 | 1 | 0 | 20 |
| Family medicine/preventive medicine | 0 | 0 | 8 | 5 | 0 | 0 | 0 | 2 | 13 |
| Internal medicine/anesthesiology | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 7 |
| Internal medicine/dermatology | 1 | 0 | 23 | 8 | 0 | 0 | 2 | 1 | 34 |
| Internal medicine/emergency medicine | 9 | 0 | 85 | 17 | 0 | 2 | 3 | 5 | 116 |
| Internal medicine/emergency medicine/critical care medicine | 2 | 0 | 7 | 2 | 0 | 3 | 0 | 0 | 14 |
| Internal medicine/family medicine | 0 | 0 | 6 | 6 | 0 | 1 | 1 | 0 | 14 |
| Internal medicine/medical genetics | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Internal medicine/neurology | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 5 |
| Internal medicine/pediatrics | 91 | 2 | 974 | 293 | 0 | 34 | 45 | 71 | 1439 |
| Internal medicine/preventive medicine | 4 | 0 | 12 | 12 | 0 | 1 | 0 | 1 | 29 |
| Internal medicine/psychiatry | 7 | 0 | 54 | 15 | 0 | 4 | 3 | 3 | 83 |
| Pediatrics/anesthesiology | 4 | 0 | 14 | 3 | 0 | 1 | 0 | 2 | 22 |
| Pediatrics/emergency medicine | 0 | 0 | 32 | 3 | 0 | 1 | 1 | 3 | 37 |
| Pediatrics/medical genetics | 1 | 0 | 27 | 7 | 0 | 0 | 1 | 2 | 36 |
| Pediatrics/physical medicine and rehabilitation | 2 | 0 | 10 | 2 | 0 | 0 | 0 | 0 | 14 |
| Pediatrics/psychiatry/child and adolescent psychiatry | 5 | 0 | 63 | 14 | 0 | 5 | 0 | 4 | 87 |
| Psychiatry/family medicine | 3 | 0 | 37 | 7 | 0 | 1 | 1 | 7 | 49 |
| Psychiatry/neurology | 0 | 1 | 13 | 4 | 0 | 2 | 0 | 0 | 20 |
| Total (%) | 6752 (5.7) | 218 (0.2) | 68 639 (58.0) | 33 015 (27.9) | 181 (0.1) | 2970 (2.5) | 6591 (5.6) | 9048 (7.6) | 118 366 |

Abbreviation: ACGME, Accreditation Council for Graduate Medical Education.

^a Includes resident physicians on duty as of December 31, 2014, reported through the 2014 National GME Census. A total of 257 programs (2.6%) did not provide updated information on residents by March 1, 2015. For these nonresponding programs, resident physicians reported from the last received survey were moved into their next year in the program or graduated.

^b The 2014 National GME Census imported self-designated race/ethnicity from Association of American Medical Colleges databases where available. "Multiracial" refers to residents who have self-identified as more than 1 race. A person of Hispanic ethnicity may be of any race.

^c 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, radiation oncology, radiology, or surgery.

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

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

^f Sleep medicine is a subspecialty of anesthesiology, 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 2013-2014^a

| Specialty/Subspecialty | No. of Residents Who Completed | |
|--|--------------------------------|------------------|
| | GME Program | Preliminary Year |
| Allergy and immunology | 140 | 0 |
| Anesthesiology | 1589 | 0 |
| Adult cardiothoracic anesthesiology | 170 | 0 |
| Critical care medicine | 144 | 0 |
| Obstetric anesthesiology | 29 | 0 |
| Pediatric anesthesiology | 188 | 0 |
| Colon and rectal surgery | 82 | 0 |
| Dermatology | 413 | 0 |
| Dermatopathology | 76 | 0 |
| Procedural dermatology | 62 | 0 |
| Emergency medicine | 1699 | 0 |
| Emergency medical services | 25 | 0 |
| Medical toxicology | 27 | 0 |
| Pediatric emergency medicine | 25 | 0 |
| Sports medicine | 8 | 0 |
| Undersea and hyperbaric medicine | 6 | 0 |
| Family medicine | 3313 | 15 |
| Geriatric medicine | 48 | 0 |
| Sports medicine | 173 | 0 |
| Hospice and palliative medicine ^b | 180 | 0 |
| Internal medicine | 6993 | 1955 |
| Advanced heart failure and transplant cardiology | 60 | 0 |
| Cardiovascular disease | 835 | 0 |
| Clinical cardiac electrophysiology | 138 | 0 |
| Critical care medicine | 116 | 0 |
| Endocrinology, diabetes, and metabolism | 300 | 0 |
| Gastroenterology | 487 | 0 |
| Geriatric medicine | 258 | 0 |
| Hematology | 9 | 0 |
| Hematology and oncology | 505 | 0 |
| Infectious disease | 366 | 0 |
| Interventional cardiology | 278 | 0 |
| Nephrology | 441 | 0 |
| Oncology | 42 | 0 |
| Pulmonary disease | 39 | 0 |
| Pulmonary disease and critical care medicine | 489 | 0 |
| Rheumatology | 210 | 0 |
| Transplant hepatology | 35 | 0 |
| Medical genetics | 32 | 0 |
| Medical biochemical genetics | 4 | 0 |
| Molecular genetic pathology | 48 | 0 |

(continued)

Table 9. Resident Physicians Who Completed a Graduate Medical Education (GME) Program or Preliminary Year During 2013-2014^a (continued)

| Specialty/Subspecialty | No. of Residents Who Completed | |
|---|--------------------------------|------------------|
| | GME Program | Preliminary Year |
| Neurological surgery | 158 | 0 |
| Endovascular surgical neuroradiology | 3 | 0 |
| Neurology | 634 | 0 |
| Child neurology | 108 | 0 |
| Clinical neurophysiology | 236 | 0 |
| Endovascular surgical neuroradiology | 2 | 0 |
| Neurodevelopmental disabilities | 6 | 0 |
| Neuromuscular medicine | 55 | 0 |
| Vascular neurology | 98 | 0 |
| Nuclear medicine | 53 | 0 |
| Obstetrics and gynecology | 1202 | 0 |
| Female pelvic medicine and reconstructive surgery | 29 | 0 |
| Ophthalmology | 440 | 0 |
| Ophthalmic plastic and reconstructive surgery | 3 | 0 |
| Orthopedic surgery | 677 | 0 |
| Adult reconstructive orthopedics | 31 | 0 |
| Foot and ankle orthopedics | 12 | 0 |
| Hand surgery | 131 | 0 |
| Musculoskeletal oncology | 13 | 0 |
| Orthopedic sports medicine | 173 | 0 |
| Orthopedic surgery of the spine | 34 | 0 |
| Orthopedic trauma | 16 | 0 |
| Pediatric orthopedics | 40 | 0 |
| Otolaryngology | 289 | 0 |
| Neurotology | 12 | 0 |
| Pediatric otolaryngology | 23 | 0 |
| Pain medicine ^c | 303 | 0 |
| Pathology-anatomic and clinical | 592 | 0 |
| Blood banking/transfusion medicine | 46 | 0 |
| Chemical pathology | 1 | 0 |
| Cytopathology | 138 | 0 |
| Forensic pathology | 37 | 0 |
| Hematology | 132 | 0 |
| Medical microbiology | 11 | 0 |
| Neuropathology | 23 | 0 |
| Pediatric pathology | 16 | 0 |
| Selective pathology | 147 | 0 |
| Pediatrics | 2801 | 84 |
| Adolescent medicine | 27 | 0 |
| Child abuse pediatrics | 9 | 0 |
| Developmental-behavioral pediatrics | 29 | 0 |
| Neonatal-perinatal medicine | 222 | 0 |

(continued)

Table 9. Resident Physicians Who Completed a Graduate Medical Education (GME) Program or Preliminary Year During 2013-2014^a (continued)

| | No. of Residents Who Completed | |
|---|--------------------------------|------------------|
| | GME Program | Preliminary Year |
| Pediatrics (continued) | | |
| Pediatric cardiology | 139 | 0 |
| Pediatric critical care medicine | 137 | 0 |
| Pediatric emergency medicine | 114 | 0 |
| Pediatric endocrinology | 78 | 0 |
| Pediatric gastroenterology | 90 | 0 |
| Pediatric hematology/oncology | 144 | 0 |
| Pediatric infectious diseases | 63 | 0 |
| Pediatric nephrology | 34 | 0 |
| Pediatric pulmonology | 48 | 0 |
| Pediatric rheumatology | 22 | 0 |
| Pediatric sports medicine | 21 | 0 |
| Pediatric transplant hepatology | 6 | 0 |
| Physical medicine and rehabilitation | | |
| Pediatric rehabilitation medicine | 7 | 0 |
| Spinal cord injury medicine | 18 | 0 |
| Sports medicine | 16 | 0 |
| Plastic surgery | | |
| Craniofacial surgery | 7 | 0 |
| Hand surgery | 20 | 0 |
| Plastic surgery-integrated ^d | 59 | 0 |
| Preventive medicine | | |
| Undersea and hyperbaric medicine | 4 | 0 |
| Psychiatry | | |
| Addiction psychiatry | 62 | 0 |
| Child and adolescent psychiatry | 412 | 0 |
| Forensic psychiatry | 63 | 0 |
| Geriatric psychiatry | 61 | 0 |
| Psychosomatic medicine | 74 | 0 |
| Radiation oncology | | |
| | 163 | 0 |
| Radiology-diagnostic | | |
| Abdominal radiology | 1115 | 0 |
| Endovascular surgical neuroradiology | 37 | 0 |
| Musculoskeletal radiology | 4 | 0 |
| Neuroradiology | 32 | 0 |
| Nuclear radiology | 251 | 0 |
| Pediatric radiology | 17 | 0 |
| Vascular and interventional radiology | 89 | 0 |
| 217 | 0 | |
| Sleep medicine ^e | | |
| | 132 | 0 |
| Surgery-general | | |
| Complex general surgical oncology | 1076 | 1144 |
| Hand surgery | 44 | 0 |
| Pediatric surgery | 8 | 0 |
| 37 | 0 | |

(continued)

Table 9. Resident Physicians Who Completed a Graduate Medical Education (GME) Program or Preliminary Year During 2013-2014^a (continued)

| | No. of Residents Who Completed | |
|---|--------------------------------|------------------|
| | GME Program | Preliminary Year |
| Surgery-general (continued) | | |
| Surgical critical care | 196 | 0 |
| Vascular surgery | 120 | 0 |
| Vascular surgery-integrated ^d | 19 | 0 |
| Thoracic surgery | | |
| Congenital cardiac surgery | 82 | 0 |
| 9 | 0 | |
| Thoracic surgery-integrated ^d | 3 | 0 |
| Urology | | |
| Female pelvic medicine and reconstructive surgery | 273 | 0 |
| 4 | 0 | |
| Pediatric urology | 19 | 0 |
| 0 | 1003 | |
| Combined Specialties | | |
| Emergency medicine/family medicine | 3 | 0 |
| Family medicine/preventive medicine | 3 | 0 |
| Internal medicine/anesthesiology | 1 | 0 |
| Internal medicine/dermatology | 9 | 0 |
| Internal medicine/emergency medicine | 20 | 0 |
| Internal medicine/emergency medicine/critical care medicine | 3 | 0 |
| Internal medicine/family medicine | 4 | 0 |
| Internal medicine/medical genetics | 1 | 0 |
| Internal medicine/neurology | 1 | 0 |
| Internal medicine/pediatrics | 350 | 0 |
| Internal medicine/preventive medicine | 6 | 0 |
| Internal medicine/psychiatry | 16 | 0 |
| Pediatrics/emergency medicine | 7 | 0 |
| Pediatrics/medical genetics | 7 | 0 |
| Pediatrics/physical medicine and rehabilitation | 4 | 0 |
| Pediatrics/psychiatry/child and adolescent psychiatry | 19 | 0 |
| Psychiatry/family medicine | 8 | 0 |
| Psychiatry/neurology | 2 | 0 |
| Total | 36 935 | 4201 |

^a Includes resident physicians on duty as of December 31, 2014, reported through the 2014 National GME Census. A total of 257 programs (2.6%) did not provide updated information on residents by March 1, 2015. For these nonresponding programs, resident physicians reported from the last received survey were moved into their next year in the program or graduated.

^b 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, radiation oncology, radiology, or surgery.

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

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

^e Sleep medicine is a subspecialty of anesthesiology, 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 Combined Specialty Programs for the Next Academic Year (2015-2016) as Projected by Program Directors

| Specialty/Subspecialty | Total Program Size | No. of Year 1 Positions Available for the Next Academic Year | |
|--|--------------------|--|-----------------------|
| | | Program ^a | Graduate ^b |
| Allergy and immunology | 322 | 151 | 0 |
| Anesthesiology | 6228 | 1391 | 1105 |
| Adult cardiothoracic anesthesiology | 187 | 187 | 0 |
| Critical care medicine | 196 | 196 | 0 |
| Obstetric anesthesiology | 43 | 43 | 0 |
| Pediatric anesthesiology | 226 | 226 | 0 |
| Colon and rectal surgery | 94 | 94 | 0 |
| Dermatology | 1326 | 431 | 10 |
| Dermatopathology | 86 | 83 | 0 |
| Procedural dermatology | 74 | 74 | 0 |
| Emergency medicine | 6069 | 1890 | 1870 |
| Clinical informatics | 4 | 2 | 0 |
| Emergency medical services | 77 | 77 | 0 |
| Medical toxicology | 88 | 44 | 0 |
| Pediatric emergency medicine | 109 | 40 | 0 |
| Sports medicine | 11 | 11 | 0 |
| Undersea and hyperbaric medicine | 11 | 11 | 0 |
| Family medicine | 11 120 | 3712 | 3712 |
| Geriatric medicine | 90 | 90 | 0 |
| Sports medicine | 219 | 219 | 0 |
| Hospice and palliative medicine ^c | 310 | 310 | 0 |
| Internal medicine | 24 920 | 9698 | 9698 |
| Advanced heart failure and transplant cardiology | 101 | 101 | 0 |
| Cardiovascular disease | 2737 | 904 | 0 |
| Clinical cardiac electrophysiology | 252 | 214 | 0 |
| Clinical informatics | 8 | 5 | 0 |
| Critical care medicine | 235 | 130 | 0 |
| Endocrinology, diabetes, and metabolism | 643 | 308 | 0 |
| Gastroenterology | 1541 | 514 | 0 |
| Geriatric medicine | 404 | 394 | 0 |
| Hematology | 24 | 10 | 0 |
| Hematology and oncology | 1732 | 571 | 0 |
| Infectious disease | 830 | 405 | 0 |
| Interventional cardiology | 341 | 325 | 0 |
| Nephrology | 986 | 493 | 0 |
| Oncology | 64 | 29 | 0 |
| Pulmonary disease | 84 | 41 | 0 |
| Pulmonary disease and critical care medicine | 1622 | 554 | 0 |
| Rheumatology | 468 | 224 | 0 |
| Transplant hepatology | 68 | 68 | 0 |
| Medical genetics | 163 | 76 | 0 |
| Medical biochemical genetics | 18 | 18 | 0 |
| Molecular genetic pathology | 59 | 59 | 0 |
| Neurological surgery | 1392 | 208 | 208 |
| Endovascular surgical neuroradiology | 3 | 3 | 0 |

(continued)

Table 10. Total Program Size and Number of First-Year Positions Available in ACGME-Accredited and Combined Specialty Programs for the Next Academic Year (2015-2016) as Projected by Program Directors (continued)

| Specialty/Subspecialty | Total Program Size | No. of Year 1 Positions Available for the Next Academic Year | |
|---|--------------------|--|-----------------------|
| | | Program ^a | Graduate ^b |
| Neurology | 2444 | 700 | 322 |
| Child neurology | 401 | 135 | 0 |
| Clinical neurophysiology | 293 | 292 | 0 |
| Endovascular surgical neuroradiology | 2 | 2 | 0 |
| Epilepsy | 75 | 75 | 0 |
| Neurodevelopmental disabilities | 35 | 10 | 0 |
| Neuromuscular medicine | 83 | 81 | 0 |
| Vascular neurology | 154 | 152 | 0 |
| Nuclear medicine | 139 | 69 | 0 |
| Obstetrics and gynecology | 5232 | 1327 | 1327 |
| Female pelvic medicine and reconstructive surgery | 138 | 49 | 0 |
| Ophthalmology | 1437 | 480 | 0 |
| Ophthalmic plastic and reconstructive surgery | 6 | 3 | 0 |
| Orthopedic surgery | 3700 | 740 | 740 |
| Adult reconstructive orthopedics | 45 | 45 | 0 |
| Foot and ankle orthopedics | 17 | 17 | 0 |
| Hand surgery | 144 | 144 | 0 |
| Musculoskeletal oncology | 17 | 16 | 0 |
| Orthopedic sports medicine | 233 | 233 | 0 |
| Orthopedic surgery of the spine | 37 | 37 | 0 |
| Orthopedic trauma | 17 | 17 | 0 |
| Pediatric orthopedics | 44 | 44 | 0 |
| Otolaryngology | 1519 | 308 | 308 |
| Neurotology | 32 | 19 | 0 |
| Pediatric otolaryngology | 37 | 34 | 0 |
| Pain medicine ^d | 361 | 361 | 0 |
| Pathology-anatomic and clinical | 2398 | 612 | 612 |
| Blood banking/transfusion medicine | 74 | 72 | 0 |
| Clinical informatics | 4 | 2 | 0 |
| Chemical pathology | 3 | 3 | 0 |
| Cytopathology | 151 | 151 | 0 |
| Forensic pathology | 68 | 68 | 0 |
| Hematology | 154 | 147 | 0 |
| Medical microbiology | 18 | 18 | 0 |
| Neuropathology | 73 | 39 | 0 |
| Pediatric pathology | 37 | 36 | 0 |
| Selective pathology | 181 | 181 | 0 |
| Pediatrics | 8976 | 3017 | 3017 |
| Adolescent medicine | 110 | 43 | 0 |
| Child abuse pediatrics | 59 | 22 | 0 |
| Clinical informatics | 6 | 3 | 0 |
| Developmental-behavioral pediatrics | 129 | 47 | 0 |
| Neonatal-perinatal medicine | 750 | 250 | 0 |
| Pediatric cardiology | 440 | 149 | 0 |
| Pediatric critical care medicine | 503 | 172 | 0 |
| Pediatric emergency medicine | 372 | 126 | 0 |

(continued)

Table 10. Total Program Size and Number of First-Year Positions Available in ACGME-Accredited and Combined Specialty Programs for the Next Academic Year (2015-2016) as Projected by Program Directors (continued)

| | Total Program Size | No. of Year 1 Positions Available for the Next Academic Year | |
|--|--------------------|--|-----------------------|
| | | Program ^a | Graduate ^b |
| Pediatrics (continued) | | | |
| Pediatric endocrinology | 293 | 104 | 0 |
| Pediatric gastroenterology | 293 | 95 | 0 |
| Pediatric hematology/oncology | 514 | 172 | 0 |
| Pediatric infectious diseases | 227 | 79 | 0 |
| Pediatric nephrology | 179 | 64 | 0 |
| Pediatric pulmonology | 215 | 74 | 0 |
| Pediatric rheumatology | 129 | 45 | 0 |
| Pediatric sports medicine | 24 | 21 | 0 |
| Pediatric transplant hepatology | 8 | 8 | 0 |
| Physical medicine and rehabilitation | 1328 | 360 | 90 |
| Brain injury medicine | 6 | 6 | 0 |
| Pediatric rehabilitation medicine | 40 | 23 | 0 |
| Spinal cord injury medicine | 28 | 28 | 0 |
| Sports medicine | 23 | 23 | 0 |
| Plastic surgery | | | |
| Craniofacial surgery | 9 | 9 | 0 |
| Hand surgery | 20 | 20 | 0 |
| Plastic surgery-integrated ^e | 796 | 139 | 139 |
| Preventive medicine | | | |
| Medical toxicology | 7 | 3 | 0 |
| Undersea and hyperbaric medicine | 6 | 6 | 0 |
| Psychiatry | | | |
| Addiction psychiatry | 107 | 104 | 0 |
| Child and adolescent psychiatry | 906 | 451 | 0 |
| Forensic psychiatry | 97 | 97 | 0 |
| Geriatric psychiatry | 125 | 125 | 0 |
| Psychosomatic medicine | 123 | 123 | 0 |
| Radiation oncology | | | |
| Radiology-diagnostic | 4770 | 1182 | 73 |
| Abdominal radiology | 45 | 45 | 0 |
| Endovascular surgical neuroradiology | 7 | 7 | 0 |
| Musculoskeletal radiology | 39 | 39 | 0 |
| Neuroradiology | 313 | 302 | 0 |
| Nuclear radiology | 29 | 29 | 0 |
| Pediatric radiology | 116 | 116 | 0 |
| Vascular and interventional radiology | 282 | 282 | 0 |
| Sleep medicine^f | | | |
| Surgery-general | 7926 | 2514 | 2514 |
| Complex general surgical oncology | 103 | 52 | 0 |
| Hand surgery | 8 | 8 | 0 |
| Pediatric surgery | 84 | 42 | 0 |
| Surgical critical care | 257 | 253 | 0 |
| Vascular surgery | 270 | 133 | 0 |
| Vascular surgery-integrated ^e | 271 | 59 | 59 |

(continued)

Table 10. Total Program Size and Number of First-Year Positions Available in ACGME-Accredited and Combined Specialty Programs for the Next Academic Year (2015-2016) as Projected by Program Directors (continued)

| | Total Program Size | No. of Year 1 Positions Available for the Next Academic Year | |
|---|--------------------|--|-----------------------|
| | | Program ^a | Graduate ^b |
| Thoracic surgery | 261 | 107 | 0 |
| Congenital cardiac surgery | 12 | 12 | 0 |
| Thoracic surgery-integrated ^e | 198 | 36 | 36 |
| Urology | | | |
| Female pelvic medicine and reconstructive surgery | 28 | 8 | 0 |
| Pediatric urology | 45 | 28 | 0 |
| Transitional year | 1094 | 1094 | 1094 |
| Combined Specialties | | | |
| Diagnostic radiology/nuclear medicine | 1 | 1 | 1 |
| Emergency medicine/family medicine | 20 | 4 | 4 |
| Family medicine/preventive medicine | 19 | 5 | 5 |
| Internal medicine/anesthesiology | 26 | 7 | 7 |
| Internal medicine/dermatology | 39 | 7 | 7 |
| Internal medicine/emergency medicine | 128 | 28 | 28 |
| Internal medicine/emergency medicine/critical care medicine | 19 | 2 | 2 |
| Internal medicine/family medicine | 16 | 5 | 5 |
| Internal medicine/medical genetics | 22 | 5 | 5 |
| Internal medicine/neurology | 7 | 2 | 2 |
| Internal medicine/pediatrics | 1491 | 376 | 376 |
| Internal medicine/preventive medicine | 36 | 10 | 10 |
| Internal medicine/psychiatry | 101 | 19 | 19 |
| Pediatrics/anesthesiology | 25 | 7 | 7 |
| Pediatrics/emergency medicine | 39 | 9 | 9 |
| Pediatrics/medical genetics | 72 | 16 | 16 |
| Pediatrics/physical medicine and rehabilitation | 15 | 3 | 3 |
| Pediatrics/psychiatry/child and adolescent psychiatry | 94 | 19 | 19 |
| Psychiatry/family medicine | 50 | 10 | 10 |
| Psychiatry/neurology | 20 | 5 | 5 |
| Total | 129 386 | 46 757 | 28 895 |

Abbreviation: ACGME, Accreditation Council for Graduate Medical Education.

^a Program year 1 refers to the first year of training within a specific program; this may not correspond to the graduate year.^b Graduate year 1 refers to positions available the first year after completing medical school. Although residents in graduate year 1 positions are not required to have prior GME, some residents who fill these positions have had prior training.^c 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, radiation oncology, radiology, or surgery.^d Pain medicine is a subspecialty of anesthesiology, neurology, physical medicine and rehabilitation, or psychiatry.^e Integrated programs differ from subspecialty programs in that they include core surgical education.^f Sleep medicine is a subspecialty of anesthesiology, family medicine, internal medicine, neurology, otolaryngology, pediatrics, or psychiatry.