# Academic Year 2007-2008

ACGME

Accreditation Council for Graduate Medical Education

# **Data Resource Book**

"We improve health care by assessing and advancing the quality of resident physicians' education through accreditation."

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### Introduction

### **Overview of this Data Book**

The Accreditation Council for Graduate Medical Education (ACGME) strives to improve health care in the United States by assessing and advancing the quality of resident physicians' education through accreditation. The collection and analysis of data are crucial to performing these functions. The *ACGME Data Resource Book* compiles in one place a comprehensive, up-to-date description of a wide range of data regarding the number of new physicians being educated, the number of programs available to educate physicians, and the quality of that education as determined through the accreditation process. The data book is intended to be a concise reference for policymakers, residency program directors, institutional officials and others to identify and clarify issues affecting the accreditation of residency programs.

The *Data Resource Book* begins by describing the number and types of *institutions*. Information on sponsoring institutions as well as participating institutions are included in this section. The second section contains a description of the number of residency *programs* along with accreditation information and staff/faculty information. Lastly, the *Data Resource Book* describes in detail the number of *resident* physicians in residency programs along with information on demographics and educational experiences.

We continue to try to improve our data book in order to capture the accreditation process in greater detail, and we hope the document will continue to be a valuable resource for our constituents. We would value your feedback and suggestions. They can be sent to us at *databook@acgme.org*.

### Data Sources

Data appearing in the *Data Resource Book* represent information reported during the **2007–2008** academic year by all sponsoring institutions and accredited programs. Only aggregate statistics are reported. Limited information on individual programs and sponsors is available on the ACGME website (www.acgme.org) under the heading of "Search Programs/Sponsors".

Aggregate statistics used in this data book were obtained from the Accreditation Data System (ADS). ADS is a Web-based data collection system containing data for all medical residency sponsoring institutions and their ACGME-accredited programs. Sponsors and programs are required to annually verify and update general information in the secured environment. Programs are required to verify the accredited education of all residents and to communicate any organizational changes as they occur, including those changes that require residency review committee approval.

### **Explanation of Terms**

The following terms are used throughout this publication.

### **Statistical Terms**

<u>Arithmetic Mean</u>: The arithmetic mean is derived by summing the individual item values of a particular group and dividing the total by the number of items. The arithmetic mean is often referred to simply as the "mean" or "average."

<u>Standard Deviation</u>: The standard deviation is a statistical measure of the distance a quantity is likely to lie from its average value.

<u>Range</u>: The range is the difference between the lowest and highest values. The range provides information about the distribution of data. Data with large ranges tend to be more spread out.

#### **Common Organizational Terms**

<u>Program</u>: A residency program is a structured educational experience designed to conform to the program requirements of a particular specialty, the satisfactory completion of which may result in eligibility for board certification.

<u>Residency Review Committee</u>: The Residency Review Committees (RRCs) are specialty-specific bodies within the structure of the Accreditation Council for Graduate Medical Education (ACGME), which bear the responsibility for oversight of allopathic postgraduate medical education programs in the United States. The function of each type of committee is to set accreditation standards and to provide a peer evaluation of residency programs and subspecialities.

Resident: A physician in an accredited graduate medical education program.

<u>Sponsoring Institution</u>: The sponsoring institution is the entity that assumes the ultimate financial and academic responsibility for a program in graduate medical education. The Institutional Review Committee assumes the responsibility for reviewing institutions that sponsor multiple programs. A single site sponsoring institution is reviewed by the RRC only during a review of the sponsored program.



### **Section** Definitions

<u>Designated Institutional Official (DIO)</u>: A DIO is the individual in a sponsoring institution who has the authority and responsibility for the graduate medical education programs.

<u>Participating Institution</u>: A participating institution is any hospital to which residents rotate for required clinical experience. This definition includes institutions where most residents routinely take elective training, but excludes individualized, one-of-a-kind experiences.

### **Chapter Highlights**

- The total number of sponsoring institutions for the 2007-2008 academic year is 695.
- Fifty-six percent (56%) of sponsoring institutions sponsored more than one program and are reviewable by the Institutional Review Committee. IRC-reviewed sponsoring institutions are responsible for the majority of residents.
- The majority of sponsoring institutions were classifiable as non-profit.
- California, New York, and Pennsylvania were the states with the largest number of sponsoring institutions. Parts of the Northwest and Mountain states had the fewest.
- Sponsoring institutions that were identified as a consortium of hospitals had the most number of associated programs and averaged 41.5.
- Twenty percent (20%) of single program sponsoring institutions and eleven percent (11%) of multiple program sponsoring institutions experienced a change in the designated institutional official (DIO).
- Preventive medicine, physical medicine and rehabilitation, and psychiatry programs have the highest average number of participating institution training sites per program (5.25, 4.56, 4.40 respectively).
- The data book includes a detailed listing of all multiple program sponsoring institutions which are reviewed by the IRC. The list is sorted by size according to the total number of residents who are active in programs sponsored by a given institution.

#### ACGME Data Resource Book Academic Year 2007-2008

### Number of Sponsoring Institutions, by Ownership Type

Total Number of Sponsors = 695

Single Program Institutions = 309 Multiple Program Institutions = 386

### **Ownership Type**



Number of Sponsors

# Number of Sponsoring Institutions, by State

State Name	State Abbreviation	Number of Sponsors	Percentage of All Sponsors
OVERALL		695	100.0%
Alabama	AL	10	1.4%
Alaska	AK	1	0.1%
Arizona	AZ	9	1.3%
Arkansas	AR	2	0.3%
California	CA	69	9.9%
Colorado	СО	15	2.2%
Connecticut	СТ	15	2.2%
Delaware	DE	4	0.6%
District of Columbia	DC	9	1.3%
Florida	FL	24	3.5%
Georgia	GA	15	2.2%
Hawaii	HI	3	0.4%
Idaho	ID	2	0.3%
Illinois	IL	32	4.6%
Indiana	IN	11	1.6%
lowa	IA	9	1.3%
Kansas	KS	2	0.3%
Kentucky	KY	4	0.6%
Louisiana	LA	9	1.3%
Maine	ME	4	0.6%
Maryland	MD	17	2.4%
Massachusetts	MA	27	3.9%
Michigan	MI	29	4.2%
Minnesota	MN	11	1.6%
Mississippi	MS	4	0.6%
Missouri	MO	11	1.6%
Montana	MT	1	0.1%
Nebraska	NE	4	0.6%
Nevada	NV	1	0.1%
New Hampshire	NH	3	0.4%
New Jersey	NJ	26	3.7%
New Mexico	NM	4	0.6%
New York	NY	60	8.6%
North Carolina	NC	13	1.9%
North Dakota	ND	2	0.3%
Ohio	OH	41	5.9%
Oklahoma	ОК	8	1.2%
Oregon	OR	4	0.6%
Pennsylvania	PA	49	7.1%
Puerto Rico	PR	12	1.7%
Rhode Island	RI	6	0.9%
South Carolina	SC	11	1.6%
South Dakota	SD	3	0.4%
Tennessee	TN	9	1.3%
Texas	ТХ	40	5.8%
Utah	UT	5	0.7%
Vermont	VT		0.1%
Virginia	VA	12	1.7%
Washington	WA	12	2.4%
West Virginia	WX WV	5	0.7%
Wisconsin	WI	<u> </u>	1.3%
Wyoming	WY	9 1	0.1%
vvyonning	VVT		0.1%

### **Geographical Distribution of Sponsoring Institutions**



# Mean Number of Programs per Sponsoring Institution for Multiple Site Sponsors, by Institution Type



Mean Number of Programs per Sponsor

# Number and Percentage of Institutions with DIO Changes, by Review Status

Total # of Institutions with at Least One Change = 102





Note: A distinction is made between the number of insitutions with at least 1 change (depicted in graph) and the number of distinct changes (i.e. an institution may register more than 1 change).

Change

### Number of DIO Changes for Multiple Site Sponsors, by Size of Sponsor



Note: Instances of mulitple DIO changes within a single institution for the academic year are counted.

### Percent of Institutions with at Least One DIO Change, by Review Status and Academic Year

Academic Year	<b>Review Status</b>	Percent
2003-2004	All Sponsors	10%
	Mutiple-Site Sponsors	12%
	Single-Site Sponsors	9%
2004-2005	All Sponsors	22%
	Mutiple-Site Sponsors	18%
	Single-Site Sponsors	28%
2005-2006	All Sponsors	16%
	Mutiple-Site Sponsors	13%
	Single-Site Sponsors	21%
2006-2007	All Sponsors	13%
	Mutiple-Site Sponsors	11%
	Single-Site Sponsors	17%
2007-2008	All Sponsors	15%
	Mutiple-Site Sponsors	11%
	Single-Site Sponsors	20%
	(	0% 5% 10% 15% 20% 25% 30%

Percent of Sponsors with Changes

# Mean Number and Type of Participating Institutions where Residents Rotate per Program, for Core and Subspecialty Programs





Mean and Plus/Minus 1 Standard Deviation

Notes: The data includes sponsoring institutions (where residents rotate) and clinical sites in institution counts. The distinction between major and other institutions no longer exists. Accreditation Council for Graduate Medical Education | Copyright 2008 | All Rights Reserved

### Number of Institutions Where Residents Rotate, by Specialty

Number of Unique Institutions: 3,120				
		R	elationship Ty	ре
		Clinical Site	Participating Institution	Sponsor
Specialty	Total of All Institutions	#	#	#
Allergy and immunology	182	3	143	36
Anesthesiology	480	4	410	66
- Adult Cardiothoracic Anesthesiology	59		43	16
- Critical Care Medicine	108	1	81	26
- Pediatric Anesthesiology	66	2	42	22
Colon and rectal surgery	101		74	27
Dermatology	326	3	266	57
- Dermatopathology	89		66	23
- Procedural Dermatology	55		34	21
Emergency medicine	514	4	433	77
- Medical Toxicology	68	1	57	10
- Pediatric Emergency Medicine	38	1	24	13
- Sports Medicine	6	-	5	1
- Undersea and Hyperbaric Medicine	7		4	3
Family medicine	1,356	92	979	285
- Geriatric Medicine	85	4	55	26
- Sports Medicine	195	11	123	61
Internal medicine	855	36	604	215
- Cardiovascular Disease	394	6	304	84
- Clinical Cardiac Electrophysiology	143	2	91	50
- Critical Care Medicine	80	1	64	15
- Endocrinology, Diabetes, and Metabolism	282	3	226	53
- Gastroenterology	404	7	319	78
- Geriatric Medicine	286	3	234	49
- Hematology	24		19	5
- Hematology and Oncology	320	5	249	66
- Infectious Disease	372	6	304	62
- Interventional Cardiology	193	3	124	66
- Nephrology	321	4	252	65
- Oncology	35		24	11
- Pulmonary Disease	56	4	39	13
- Pulmonary Disease and Critical Care Medicine	364	2	297	65
- Rheumatology	270	1	224	45
- Transplant hepatology	25	2	15	8
Medical genetics	127		101	26
- Molecular Genetic Pathology	39		28	11
Neurological surgery	268		221	47
Neurology	357	7	297	53
- Child Neurology	190	1	156	33
- Clinical Neurophysiology	193	5	143	45

Notes: The same institution can be counted by multiple specialties.

### Number of Institutions Where Residents Rotate, by Specialty

continued Number of Unique Institutions: 3,120					
		R	ре		
		Clinical Site	Sponsor		
Specialty	Total of All Institutions	#	#	#	
- Neuromuscular Medicine	28		17	11	
- Neurodevelopmental Disabilities	24		20	4	
- Vascular Neurology	83	1	59	23	
Nuclear medicine	124	2	99	23	
Obstetrics and gynecology	695	15	538	142	
Ophthalmology	407	2	347	58	
Orthopaedic surgery	652	6	569	77	
- Adult Reconstructive Orthopaedics	28		17	11	
- Foot and Ankle Orthopaedics	16		9	7	
- Hand Surgery	143		115	28	
- Musculoskeletal Oncology	19		12	7	
- Orthopaedic Sports Medicine	143		88	55	
- Orthopaedic Surgery of the Spine	24	•	13	11	
- Orthopaedic Trauma	11	•	6	5	
- Pediatric Orthopaedics	33	1	19	13	
Otolaryngology	395	2	345	48	
- Neurotology	29		17	12	
- Pediatric Otolaryngology	6	•	2	4	
- Pain Medicine	200	4	140	56	
Pathology-anatomic and clinical	537	4	453	80	
- Blood Banking/Transfusion Medicine	112		87	25	
- Chemical Pathology	4		2	2	
- Cytopathology	122	1	76	45	
- Forensic Pathology	44	•	20	24	
- Hematology	123	•	82	41	
- Medical Microbiology	22		14	8	
- Neuropathology	71		58	13	
- Pediatric Pathology	54	1	43	10	
- Selective Pathology	74		49	25	
Pediatrics	494	11	377	106	
- Adolescent Medicine	55		46	9	
- Neonatal-Perinatal Medicine	172	2	130	40	
- Pediatric Cardiology	64		43	21	
- Pediatric Critical Care Medicine	104	1	75	28	
- Pediatric Emergency Medicine	127	1	108	18	
- Pediatric Endocrinology	110	1	78	31	
- Pediatric Gastroenterology	82	1	61	20	
- Pediatric Hematology/Oncology	104		77	27	
- Pediatric Infectious Diseases	107		81	26	
- Pediatric Nephrology	46		30	16	
- Pediatric Pulmonology	70	1	45	24	

Notes: The same institution can be counted by multiple specialties.

### Number of Institutions Where Residents Rotate, by Specialty

continued Number of Unique Institutions: 3,120				
		Relationship Type		
		Clinical Participating Site Institution Spon		
Specialty	Total of All Institutions	#	#	#
- Pediatric Rheumatology	42	1	33	8
- Pediatric Sports Medicine	11		5	6
- Developmental-Behavioral Pediatrics	58		39	19
Physical medicine and rehabilitation	360	1	320	39
- Pediatric Rehabilitation	23	1	16	6
<ul> <li>Spinal Cord Injury Medicine</li> </ul>	61		54	7
Plastic surgery	364	1	322	41
- Craniofacial Surgery	9		7	2
- Hand Surgery	31		26	5
Preventive medicine	373	2	337	34
- Medical Toxicology	13	1	10	2
- Undersea and Hyperbaric Medicine	1		-	1
Psychiatry	796	10	685	101
- Addiction Psychiatry	108		94	14
- Child and Adolescent Psychiatry	441	3	384	54
- Forensic Psychiatry	114	4	93	17
- Geriatric Psychiatry	151	3	126	22
- Psychosomatic Medicine	71	1	46	24
Radiation oncology	202	3	158	41
Radiology-diagnostic	526	6	418	102
- Abdominal Radiology	15		7	8
- Cardiothoracic Radiology	2	-		2
- Endovascular surgical neuroradiology	4	-	3	1
- Musculoskeletal Radiology	21		12	9
- Neuroradiology	160		118	42
- Nuclear Radiology	30		15	15
- Pediatric Radiology	54		33	21
- Vascular and Interventional Radiology	162	1	116	45
- Sleep Medicine	134		98	36
Surgery	1,048	14	889	145
- Hand Surgery	3		3	
- Pediatric Surgery	53		40	13
- Surgical Critical Care	152	2	106	44
- Vascular Surgery	181	2	128	51
- Vascular surgery - Integrated	17		13	4
Thoracic surgery	201		166	35
- Congenital Cardiac Surgery	6		4	2
Urology	443	3	382	58
- Pediatric Urology	32		23	9
Transitional year	259	12	156	91
Internal Medicine/Pediatrics	292	2	246	44

Notes: The same institution can be counted by multiple specialties.

### Mean Number of All Participating Teaching Institutions where Residents Rotate per Program, by Specialty

			Mean	STD	MIN	MAX
Specialty		<b></b> _ (				
	Allergy and immunology		2.56	1.5	1	7
	Anesthesiology		3.66	1.9	1	9
	Adult Cardiothoracic Anesthesiology		1.84	1.0	1	4
	- Critical Care Medicine		2.16	1.5	1	8
	– Pediatric Anesthesiology		1.47	0.7	1	З
	Colon and rectal surgery		2.24	1.2	1	6
	Dermatology		2.96	1.6	1	10
	- Dermatopathology		1.93	1.2	1	6
	– Procedural Dermatology		1.67	1.3	1	6
	Emergency medicine		3.54	1.8	1	9
	- Medical Toxicology		2.83	1.9	1	10
	- Pediatric Emergency Medicine		2.24	1.0	1	4
	- Sports Medicine	<u> </u>	1.50	0.6	1	2
	- Undersea and Hyperbaric Medicine		2.33	1.2	1	З
	Family medicine		2.94	2.1	1	23
	- Geriatric Medicine		2.18	1.4	1	7
	- Sports Medicine		2.03	1.4	1	9
	Internal medicine		2.23	2.1	1	32
	- Cardiovascular Disease		2.25	1.1	1	6
	- Clinical Cardiac Electrophysiology	-	1.52	0.7	1	4
	- Critical Care Medicine		2.67	1.9	1	9
	- Endocrinology, Diabetes, and Metabolism	▋ੵੑੑੑੑੑੑ	2.33	1.0	1	5
	- Gastroenterology		2.61	1.3	1	9
	- Geriatric Medicine		2.80	1.9	1	10
	- Hematology		2.67	1.0	1	4
	- Hematology and Oncology	╉──┤	2.54	1.3	1	8
	- Infectious Disease		2.62	1.3	1	7
	- Interventional Cardiology	4	1.50	0.7	1	4
	- Nephrology		2.34	1.1	1	6
			2.06	0.9	1	4
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Mean and Plus/Minus 1 Standard Deviation

14

### Mean Number of All Participating Teaching Institutions where Residents Rotate per Program, by Specialty

...continued



Mean and Plus/Minus 1 Standard Deviation

...continued

### Mean Number of All Participating Teaching Institutions where Residents Rotate per Program, by Specialty

Mean STD MIN MAX Specialty Pathology-anatomic and clinical 3.60 1.8 1 8 Blood Banking/Transfusion Medicine 2.43 1.5 1 6 \_ Chemical Pathology 2.00 1.4 З 1 Cytopathology 1.44 0.7 4 1 Forensic Pathology 1.22 0.5 З 1 Hematology 1.60 0.8 1 4 Medical Microbiology 1.69 0.9 З 1 Neuropathology 2.03 1.2 6 1 \_ Pediatric Pathology 2.16 5 1.1 1 Selective Pathology 1.32 0.7 1 З Pediatrics 2.51 1.4 1 10 Adolescent Medicine 2.12 1.1 5 1 Neonatal-Perinatal Medicine 1.81 0.8 5 1 Pediatric Cardiology 1.36 0.6 З 1 Pediatric Critical Care Medicine 1.70 0.8 4 1 Pediatric Emergency Medicine 2.76 6 1.0 1 Pediatric Endocrinology 1.64 0.8 4 1 Pediatric Gastroenterology 1.61 0.8 З 1 Pediatric Hematology/Oncology 1.65 0.8 4 1 Pediatric Infectious Diseases 1.75 0.9 6 1 Pediatric Nephrology 1.28 0.6 1 З Pediatric Pulmonology 0.7 1.49 3 1 Pediatric Rheumatology 1.62 0.6 1 З Pediatric Sports Medicine 1.38 0.7 1 З Developmental-Behavioral Pediatrics 1.81 1.0 4 \_ 1 Physical medicine and rehabilitation 4.56 1.9 11 1 Pediatric Rehabilitation 1.92 0.9 1 4 Spinal Cord Injury Medicine 3.05 0.9 5 1 Τ

Mean and Plus/Minus 1 Standard Deviation

Notes: The table includes participating, sponsoring institutions, and clinical sites in institution counts per program.

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### Mean Number of All Participating Teaching Institutions where Residents Rotate per Program, by Specialty

		Mean	STD	MIN	MAX
Specialty					
	Plastic surgery	4.14	1.8	1	9
	<ul> <li>Craniofacial Surgery</li> </ul>	2.25	1.0	1	З
	— Hand Surgery	2.38	1.5	1	6
	Preventive medicine	5.25	4.3	1	20
	<ul> <li>Medical Toxicology</li> </ul>	3.25	1.9	2	6
	<ul> <li>Undersea and Hyperbaric Medicine</li> </ul>	1.00		1	1
	Psychiatry	4.40	2.4	1	15
	<ul> <li>Addiction Psychiatry</li> </ul>	2.63	1.5	1	7
	<ul> <li>Child and Adolescent Psychiatry</li> </ul>	3.64	2.3	1	10
	<ul> <li>Forensic Psychiatry</li> </ul>	2.92	1.6	1	6
	<ul> <li>Geriatric Psychiatry</li> </ul>	2.52	1.3	1	7
	<ul> <li>Psychosomatic Medicine</li> </ul>	2.03	0.9	1	4
	Radiation oncology	2.59	1.3	1	7
	Radiology—diagnostic	2.83	1.3	1	7
	<ul> <li>Abdominal Radiology</li> </ul>	1.25	0.6	1	З
	- Cardiothoracic Radiology	1.00	0.0	1	1
	<ul> <li>Endovascular surgical neuroradiology</li> </ul>	1.33	0.6	1	2
	<ul> <li>Musculoskeletal Radiology</li> </ul>	1.62	0.9	1	З
	<ul> <li>Neuroradiology</li> </ul>	1.90	1.0	1	5
	— Nuclear Radiology	1.43	0.9	1	4
	<ul> <li>Pediatric Radiology</li> </ul>	1.23	0.4	1	2
	<ul> <li>Vascular and Interventional Radiology</li> </ul>	1.74	0.9	1	5
	- Sleep Medicine	2.20	1.1	1	5
	Surgery	4.18	1.8	1	14
	<ul> <li>Hand Surgery</li> </ul>	3.00		з	З
	<ul> <li>Pediatric Surgery</li> </ul>	1.51	0.7	1	З
	<ul> <li>Surgical Critical Care</li> </ul>	1.71	1.0	1	5
	– Vascular Surgery	1.89	1.0	1	5
	<ul> <li>Vascular surgery — Integrated</li> </ul>	2.83	1.2	1	4
	Thoracic surgery	2.48	1.2	1	6
	<ul> <li>Congenital Cardiac Surgery</li> </ul>	2.00	1.0	1	З
	Urology	3.75	1.2	1	7
	– Pediatric Urology	1.45	0.7	1	з
	Transitional year	2.04	3.1	1	34
	Internal Medicine/Pediatrics	3.60	3.6	1	33
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Mean and Plus/Minus 1 Standard Deviation

Institution Name	Institution City	Institution State	Number of Programs	Number of Residents
New York Presbyterian Hospital	New York	NY	114	1,556
New York Medical College	Valhalla	NY	91	1,372
Mount Sinai School of Medicine	New York	NY	93	1,361
Univ of Pittsburgh Medical Center Medical Education Program	Pittsburgh	PA	106	1,309
College of Medicine, Mayo Clinic	Rochester	MN	114	1,198
Baylor College of Medicine	Houston	ТХ	81	1,133
Albert Einstein College of Medicine of Yeshiva University	Bronx	NY	71	1,118
University of Texas Southwestern Medical School	Dallas	ТХ	83	1,115
Johns Hopkins University School of Medicine	Baltimore	MD	82	1,039
Emory University School of Medicine	Atlanta	GA	80	1,038
University of California (San Francisco) School of Medicine	San Francisco	CA	73	1,014
New York University School of Medicine	New York	NY	68	1,004
Washington University/B-JH/SLCH Consortium	St Louis	МО	75	996
McGaw Medical Center of Northwestern University	Chicago	IL	75	995
University of Michigan Hospitals and Health Centers	Ann Arbor	MI	79	987
University of Washington School of Medicine	Seattle	WA	83	959
Indiana University School of Medicine	Indianapolis	IN	73	910
UCLA David Geffen School of Medicine/UCLA Medical Center	Los Angeles	СА	63	904
North Shore-Long Island Jewish Health System	Great Neck	NY	68	898
University of Pennsylvania Health System	Philadelphia	PA	65	884
Jackson Memorial Hospital/Jackson Health System	Miami	FL	62	880
Massachusetts General Hospital	Boston	МА	49	852
University of Minnesota Medical School	Minneapolis	MN	70	831
University of Illinois College of Medicine at Chicago	Chicago	IL	53	829
SUNY Health Science Center at Brooklyn	Brooklyn	NY	48	827
University of Southern California/LAC+USC Medical Center	Los Angeles	CA	52	827
University of Texas Health Science Center at Houston	Houston	ТХ	56	814
University of Colorado Denver School of Medicine	Denver	CO	71	812
Yale-New Haven Hospital	New Haven	СТ	70	809
Brigham and Women's Hospital	Boston	MA	43	807
Stanford Hospital and Clinics	Stanford	CA	75	802
Duke University Hospital	Durham	NC	70	800
University of Alabama Hospital	Birmingham	AL	70	771
Vanderbilt University Medical Center	Nashville	TN	68	759
Medical College of Wisconsin Affiliated Hospitals, Inc	Milwaukee	WI	70	747
Cleveland Clinic Foundation	Cleveland	ОН	57	744
University at Buffalo School of Medicine	Buffalo	NY	61	700
University Hospitals of Cleveland	Cleveland	OH	63	685
University of Maryland Medical System	Baltimore	MD	58	669
National Capital Consortium	Bethesda	MD	56	668
University of Texas School of Medicine at San Antonio	San Antonio	TX	50	666
University of North Carolina Hospitals	Chapel Hill	NC	62	663
University of Virginia Medical Center	Charlottesville	VA	63	659
Thomas Jefferson University Hospital	Philadelphia	PA	56	658

continued					
Institution Name	Institution City	Institution State	Number of Programs	Number of Residents	
University of Chicago Medical Center	Chicago	IL	63	644	
Strong Memorial Hospital of the University of Rochester	Rochester	NY	71	641	
Virginia Commonwealth University Health System	Richmond	VA	67	639	
University of Texas Medical Branch Hospitals	Galveston	ТХ	54	635	
University of Tennessee College of Medicine	Memphis	TN	52	623	
Oregon Health & Science University Hospital	Portland	OR	61	619	
University of Florida College of Medicine	Gainesville	FL	58	618	
Loma Linda University Medical Center	Loma Linda	CA	43	612	
University of California (San Diego) Medical Center	San Diego	CA	58	601	
University of Utah Medical Center	Salt Lake City	UT	60	601	
Wayne State University/Detroit Medical Center	Detroit	MI	50	600	
Wake Forest University Baptist Medical Center	Winston-Salem	NC	54	586	
University of Iowa Hospitals and Clinics	Iowa City	IA	65	581	
University of California (Davis) Health System	Sacramento	CA	55	579	
Henry Ford Hospital	Detroit	MI	44	576	
UMDNJ-New Jersey Medical School	Newark	NJ	40	574	
University of Arkansas College of Medicine	Little Rock	AR	56	571	
Ohio State University Hospital	Columbus	ОН	51	568	
University of Louisville School of Medicine	Louisville	КY	50	560	
Rush University Medical Center	Chicago	IL	45	560	
Boston Medical Center	Boston	МА	44	552	
University of Connecticut School of Medicine	Farmington	СТ	41	544	
Beth Israel Deaconess Medical Center	Boston	МА	38	542	
Loyola University Medical Center	Maywood	IL	42	537	
University of South Florida College of Medicine	Tampa	FL	55	534	
San Antonio Uniformed Services Health Education Consortium	Lackland AFB	тх	32	531	
University of California (Irvine) Medical Center	Orange	CA	43	523	
St Louis University School of Medicine	St Louis	мо	48	519	
Drexel University College of Medicine/Hahnemann University	Philadelphia	PA	34	516	
Rhode Island Hospital-Lifespan	Providence	RI	43	510	
Medical University of South Carolina College of Medicine	Charleston	SC	50	508	
University of New Mexico School of Medicine	Albuquerque	NM	49	495	
University of Wisconsin Hospital and Clinics	Madison	WI	57	493	
University Hospital Inc	Cincinnati	ОН	47	492	
Milton S Hershey Medical Center	Hershey	PA	48	485	
University Hospital - SUNY at Stony Brook	Stony Brook	NY	49	483	
Louisiana State University School of Medicine	New Orleans	LA	40	476	
University of Kentucky College of Medicine	Lexington	КҮ	42	475	
University of Massachusetts Medical School	Worcester	MA	43	469	
Temple University Hospital	Philadelphia	PA	35	465	
St Luke's-Roosevelt Hospital Center	New York	NY	28	465	
University of Oklahoma College of Medicine	Oklahoma City	ОК	48	453	
University of Arizona College of Medicine	Tucson	AZ	38	449	
SUNY Upstate Medical University	Syracuse	NY	42	447	
University of Mississippi School of Medicine	Jackson	MS	38	438	
Los Angeles County-Harbor-UCLA Medical Center	Torrance	CA	34	438	
Georgetown University Hospital	Washington	DC	33	424	

continued					
Institution Name	Institution City	Institution State	Number of Programs	Number of Residents	
University of Missouri-Kansas City School of Medicine	Kansas City	MO	40	422	
University of Kansas School of Medicine	Kansas City	KS	42	412	
Tufts Medical Center	Boston	MA	40	408	
George Washington University School of Medicine	Washington	DC	36	408	
UMDNJ-Robert Wood Johnson Medical School	New Brunswick	NJ	41	406	
Maimonides Medical Center	Brooklyn	NY	22	403	
Medical College of Georgia	Augusta	GA	39	403	
LSU Health Sciences Center-University Hospital	Shreveport	LA	37	400	
University of Nebraska Medical Center College of Medicine Ru	Omaha	NE	36	388	
University of Puerto Rico School of Medicine	San Juan	PR	35	383	
University of Missouri-Columbia School of Medicine	Columbia	МО	38	381	
Albany Medical Center	Albany	NY	30	379	
Beth Israel Medical Center	New York	NY	29	378	
William Beaumont Hospital	Royal Oak	MI	36	373	
Children's Hospital	Boston	MA	34	367	
John H Stroger Hospital of Cook County	Chicago	IL	21	355	
Wright State University Boonshoft School of Medicine	Dayton	ОН	17	344	
MetroHealth Medical Center	Cleveland	ОН	22	340	
Mary Hitchcock Memorial Hospital	Lebanon	NH	40	335	
West Virginia University School of Medicine	Morgantown	WV	39	333	
Albert Einstein Medical Center	Philadelphia	PA	19	328	
Naval Medical Center (San Diego)	San Diego	СА	21	328	
Scott and White Memorial Hospital	Temple	тх	26	314	
Pitt County Memorial Hospital	Greenville	NC	24	311	
Cedars-Sinai Medical Center	Los Angeles	CA	26	301	
Children's Hospital of Philadelphia	Philadelphia	PA	26	298	
Tulane University School of Medicine	New Orleans	LA	35	293	
Kaiser Permanente Southern California	Pasadena	CA	25	285	
Eastern Virginia Medical School	Norfolk	VA	22	278	
Baystate Medical Center	Springfield	МА	23	273	
University of Florida College of Medicine Jacksonville	Jacksonville	FL	23	268	
Grand Rapids Medical Education and Research Center	Grand Rapids	МІ	15	267	
University of Kansas School of Medicine (Wichita)	Wichita	KS	13	259	
Southern Illinois University School of Medicine	Springfield	IL	25	259	
Bronx-Lebanon Hospital Center	Bronx	NY	11	259	
Fletcher Allen Health Care	Burlington	VT	34	258	
Cincinnati Children's Hospital Medical Center	Cincinnati	OH	30	255	
Washington Hospital Center	Washington	DC	22	249	
Nassau University Medical Center	East Meadow	NY	15	246	
Cooper Hospital-University Medical Center	Camden	NJ	25	243	
Geisinger Health System	Danville	PA	24	242	
University of Nevada School of Medicine	Reno	NV	16	240	
James H Quillen College of Medicine	Johnson City	TN	13	239	
Allegheny General Hospital	Pittsburgh	PA	24	238	
Banner Good Samaritan Medical Center	Phoenix	AZ	15	236	
Naval Medical Center (Portsmouth)	Portsmouth	VA	13	230	
Howard University Hospital	Washington	DC	12	232	

continued						
Institution Name	Institution City	Institution State	Number of Programs	Number of Residents		
Madigan Army Medical Center	Tacoma	WA	17	230		
University of Hawaii John A Burns School of Medicine	Honolulu	н	17	223		
New York Methodist Hospital	Brooklyn	NY	12	220		
Winthrop-University Hospital	Mineola	NY	18	218		
Brooklyn Hospital Center	Brooklyn	NY	9	216		
Palmetto Health	Columbia	SC	18	216		
Maine Medical Center	Portland	ME	17	215		
University of South Alabama Hospitals	Mobile	AL	16	215		
Ochsner Clinic Foundation	New Orleans	LA	18	213		
Brookdale University Hospital and Medical Center	Brooklyn	NY	9	212		
Lenox Hill Hospital	New York	NY	16	210		
University of Toledo	Toledo	ОН	21	209		
Atlantic Health	Morristown	NJ	10	209		
St John Hospital and Medical Center	Detroit	MI	12	201		
Tripler Army Medical Center	Tripler AMC	н	12	201		
Carolinas Medical Center	Charlotte	NC	15	198		
Creighton University School of Medicine	Omaha	NE	17	196		
UCSF Fresno Medical Education Program	Fresno	CA	10	196		
Orlando Regional Healthcare	Orlando	FL	11	188		
Kaiser Permanente Medical Group (Northern California)	Oakland	CA	8	187		
University of Illinois College of Medicine at Peoria	Peoria	IL	13	187		
Hennepin County Medical Center	Minneapolis	MN	10	186		
Seton Hall University School of Graduate Medical Education	South Orange	NJ	15	186		
Lincoln Medical and Mental Health Center	Bronx	NY	6	185		
Texas Tech University Health Sciences Center at Lubbock	Lubbock	тх	18	184		
Baylor University Medical Center	Dallas	тх	18	179		
Maricopa Medical Center	Phoenix	AZ	8	175		
New York Hospital Medical Center of Queens	Flushing	NY	11	174		
Summa Health System	Akron	ОН	10	173		
Advocate Lutheran General Hospital	Park Ridge	IL	12	171		
Texas Tech University Health Sciences Center at El Paso	El Paso	ТХ	8	170		
Harlem Hospital Center	New York	NY	10	169		
Children's National Medical Center	Washington	DC	17	165		
Newark Beth Israel Medical Center	Newark	NJ	14	164		
University of Tennessee Graduate School of Medicine	Knoxville	TN	15	164		
Michigan State Univ/Kalamazoo Center for Medical Studies	Kalamazoo	MI	10	164		
Western Pennsylvania Hospital	Pittsburgh	PA	15	159		
St Joseph's Hospital and Medical Center	Phoenix	AZ	16	158		
University of Oklahoma College of Medicine-Tulsa	Tulsa	OK	10	158		
Greenville Hospital System/University of South Carolina	Greenville	SC	10	157		
Carilion Clinic	Roanoke	VA	9	156		
Staten Island University Hospital	Staten Island	NY	8	147		
Long Island College Hospital	Brooklyn	NY	7	146		
Caritas St Elizabeth's Medical Center of Boston	Boston	MA	10	146		
Childrens Hospital Los Angeles	Los Angeles	CA	18	145		
University of Tennessee College of Medicine-Chattanooga	Chattanooga	TN	10	140		
Nationwide Children's Hospital	Columbus	ОН	23	143		

continued					
Institution Name	Institution City	Institution State	Number of Programs	Number of Residents	
Jefferson Medical College	Philadelphia	PA	9	142	
Providence Hospital and Medical Centers	Southfield	MI	12	142	
Marshall University School of Medicine	Huntington	WV	12	141	
St Barnabas Medical Center	Livingston	NJ	7	137	
Michigan State University College of Human Medicine	Lansing	MI	14	137	
Memorial Sloan-Kettering Cancer Center	New York	NY	16	136	
Aurora Health Care	Milwaukee	WI	10	134	
John Peter Smith Hospital (Tarrant County Hospital District)	Fort Worth	тх	7	132	
Lehigh Valley Hospital Network	Allentown	PA	9	130	
Morehouse School of Medicine	Atlanta	GA	7	129	
Christiana Care Health Services Inc	Wilmington	DE	9	128	
UAMS-Area Health Education Centers	Little Rock	AR	6	124	
Akron General Medical Center	Akron	ОН	8	123	
Jamaica Hospital Medical Center	Jamaica	NY	5	122	
Lahey Clinic	Burlington	MA	12	122	
Hospital of St Raphael	New Haven	ст	7	120	
St Vincent Hospitals and Health Care Center	Indianapolis	IN	10	118	
VA Greater Los Angeles Healthcare System	Los Angeles	CA	12	118	
Methodist Hospital (Houston)	Houston	ТХ	17	118	
Advocate Illinois Masonic Medical Center	Chicago	IL	6	115	
Abington Memorial Hospital	Abington	PA	5	115	
Charleston Area Medical Center/West Virginia University	Charleston	WV	7	114	
Virginia Mason Medical Center	Seattle	WA	6	114	
St Joseph Hospital	Chicago	IL	5	113	
Riverside Methodist Hospitals (OhioHealth)	Columbus	ОН	7	113	
York Hospital	York	PA	6	112	
Memorial Health-University Medical Center	Savannah	GA	6	111	
Kern Medical Center	Bakersfield	CA	8	111	
Resurrection Medical Center	Chicago	IL	5	110	
Chicago Medical School/Rosalind Franklin Univ of Med & Sci	North Chicago	IL	6	110	
Flushing Hospital Medical Center	Flushing	NY	5	107	
St Barnabas Hospital	Bronx	NY	2	105	
Clinical Center at the National Institutes of Health	Bethesda	MD	15	105	
California Pacific Medical Center	San Francisco	CA	8	103	
Advocate Christ Medical Center	Oak Lawn	IL	5	104	
Lankenau Hospital	Wynnewood	PA	9	103	
Santa Clara Valley Medical Center	San Jose	CA	4	103	
Alameda County Medical Center	Oakland	CA	2	101	
Monmouth Medical Center	Long Branch	NJ	6	101	
Exempla Saint Joseph Hospital		CO	4	101	
St Luke's Hospital	Denver	PA	4 8	101	
	Bethlehem				
TriHealth St. Josoph Moroy, Hospital	Cincinnati	OH	6	100	
St Joseph Mercy Hospital	Ann Arbor	MI	4	99	
Pennsylvania Hospital (UPHS)	Philadelphia	PA	8	99	
Cambridge Health Alliance	Cambridge	MA	7	99	
VA Caribbean Healthcare System	San Juan	PR	8	98	
University of Wisconsin School of Medicine and Public Health	Madison	WI	5	97	

continued					
Institution Name	Institution City	Institution State	Number of Programs	Number of Residents	
St Vincent Mercy Medical Center	Toledo	ОН	4	95	
Lutheran Medical Center	Brooklyn	NY	3	94	
Medical Center of Central Georgia	Macon	GA	6	94	
Mercy Catholic Medical Center Inc	Conshohocken	PA	4	94	
Children's Hospital-Oakland	Oakland	CA	5	92	
Meharry Medical College School of Medicine	Nashville	TN	6	92	
Mount Sinai Medical Center of Florida, Inc	Miami Beach	FL	6	92	
St Vincent Hospital	Worcester	MA	4	91	
St Christopher's Hospital for Children (Tenet Health System)	Philadelphia	PA	12	90	
Univ of North Dakota School of Medicine and Health Sciences	Grand Forks	ND	6	88	
Woodhull Medical and Mental Health Center	Brooklyn	NY	2	87	
Oakwood Hospital	Dearborn	МІ	5	87	
Atlanta Medical Center	Atlanta	GA	6	87	
San Juan City Hospital	San Juan	PR	7	86	
Crozer-Chester Medical Center	Upland	PA	6	86	
Baptist Health System Inc	Birmingham	AL	5	85	
Miami Children's Hospital	Miami	FL	6	85	
Jersey Shore University Medical Center	Neptune	NJ	5	83	
Sparrow Hospital	•	MI	7	83	
	Lansing Pontiac	MI	4	82	
St Joseph Mercy-Oakland Central Iowa Health System (Iowa Methodist/Iowa Lutheran)	Des Moines	IA	4 5	81	
		NY	-	-	
Rochester General Hospital	Rochester		3	81	
Texas Tech University Health Sciences Center at Amarillo	Amarillo	TX	5	81	
Synergy Medical Education Alliance	Saginaw	MI	5	81	
Swedish Medical Center	Seattle	WA	4	80	
St Francis Hospital	Evanston	IL	4	80	
Hurley Medical Center	Flint	MI	6	80	
Providence Health System, Portland Service Area	Portland	OR	3	78	
Union Memorial Hospital	Baltimore	MD	7	78	
Mount Carmel	Columbus	ОН	5	77	
Inland Empire Hospital Services Association	Spokane	WA	6	76	
Detroit Medical Center Corporation	Detroit	МІ	4	76	
St Peter's University Hospital	New Brunswick	NJ	3	75	
Earl K Long Medical Center	Baton Rouge	LA	3	74	
Bridgeport Hospital	Bridgeport	СТ	7	73	
Wyckoff Heights Medical Center	Brooklyn	NY	2	71	
Franklin Square Hospital Center	Baltimore	MD	3	71	
Fairview Hospital	Cleveland	ОН	4	70	
William Beaumont Army Medical Center	El Paso	ТХ	4	69	
Methodist Health System Dallas	Dallas	ТХ	4	68	
Memorial Hospital of Rhode Island	Pawtucket	RI	2	68	
St John's Mercy Medical Center	St Louis	МО	4	68	
Huron Hospital	East Cleveland	ОН	2	66	
Danbury Hospital	Danbury	СТ	4	65	
White Memorial Medical Center	Los Angeles	CA	4	65	
New Hanover Regional Medical Center	Wilmington	NC	4	64	
United Health Services Hospitals	Johnson City	NY	5	64	

continued					
Institution Name	Institution City	Institution State	Number of Programs	Number of Residents	
Roger Williams Medical Center	Providence	RI	7	64	
Conemaugh Valley Memorial Hospital	Johnstown	PA	5	64	
Sinai Hospital of Baltimore	Baltimore	MD	7	64	
Kingsbrook Jewish Medical Center	Brooklyn	NY	3	63	
New York Downtown Hospital	New York	NY	2	63	
Riverside Regional Medical Center	Newport News	VA	3	63	
McLaren Regional Medical Center	Flint	MI	3	63	
Dwight David Eisenhower Army Medical Center	Fort Gordon	GA	5	63	
Forum Health/Western Reserve Care System (Youngstown)	Youngstown	ОН	5	63	
Norwalk Hospital	Norwalk	СТ	5	62	
University of Texas MD Anderson Cancer Center	Houston	ТХ	18	62	
University of South Dakota School of Medicine	Sioux Falls	SD	5	62	
Physicians Medical Center Carraway	Birmingham	AL	4	62	
Ball Memorial Hospital	Muncie	IN	4	61	
Children's Hospital Medical Center of Akron	Akron	OH	7	61	
Hartford Hospital	Hartford	CT	8	60	
Texas Tech University Health Sciences Center (Permian Basin)	Odessa	ТХ	4	60	
Christus Spohn Memorial Hospital	Corpus Christi	ТХ	3	60	
Reading Hospital and Medical Center	West Reading	PA	4	60	
St Agnes Hospital	Baltimore	MD	2	60	
Mercy Hospital and Medical Center	Chicago	IL	2	59	
David Grant Medical Center	Travis AFB	CA	3	59	
Hospital Episcopal San Lucas	Ponce	PR	5	59	
Robert Packer Hospital	Sayre	PA	3	59	
Berkshire Medical Center	Pittsfield	MA	3	58	
Scripps Clinic/Scripps Green Hospital	La Jolla	CA	11	57	
Spartanburg Regional Healthcare System		SC	3	57	
Wayne State University School of Medicine	Spartanburg Detroit	MI	4	57	
San Joaquin General Hospital		CA	4	57	
	French Camp Stamford	CA	4	56	
Stamford Hospital West Suburban Medical Center					
	Oak Park		3	55	
Legacy Emanuel Hospital and Health Center	Portland	OR	2	55	
Cleveland Clinic Florida	Weston	FL	8	55	
Bassett Healthcare	Cooperstown	NY	3	54	
Mount Auburn Hospital	Cambridge	MA	2	54	
St Elizabeth Health Center	Youngstown	OH	4	53	
Mountain Area Health Education Center	Asheville	NC	4	52	
Marshfield Clinic-St Joseph's Hospital	Marshfield	WI	6	52	
Florida Hospital Medical Center	Orlando	FL	4	52	
MacNeal Hospital	Berwyn	IL	3	51	
PinnacleHealth Hospitals	Harrisburg	PA	2	51	
Aultman Hospital	Canton	OH	4	51	
University Medical Center (Lafayette)	Lafayette	LA	3	50	
Inova Fairfax Hospital	Falls Church	VA	3	50	
Moses H Cone Memorial Hospital	Greensboro	NC	3	49	
Santa Barbara Cottage Hospital	Santa Barbara	CA	3	49	
St Mary's Hospital and Medical Center	San Francisco	CA	2	49	

Institution City	Institution State	Number of Programs	Number of Residents
San Diego	CA	2	49
Chicago	IL	3	47
Bridgeport	СТ	3	47
Colton	CA	3	46
Waterbury	СТ	2	46
Cincinnati	ОН	3	45
La Crosse	WI	3	45
Boston	MA	3	45
Boston	MA	2	44
Syracuse	NY	2	43
Cincinnati	ОН	2	43
Montclair	NJ	3	42
Washington	DC	2	42
Chicago	IL	2	41
Austin	ТХ	3	41
Fort Wayne	IN	2	40
Fort Hood	ТХ	2	40
Baltimore	MD	2	40
Baltimore	MD	3	39
Providence	RI	3	38
Columbus	GA	2	38
St Petersburg	FL	3	38
, , , , , , , , , , , , , , , , , , ,	PA	2	37
Kettering	ОН	2	37
Pasadena	CA	2	36
Laramie	WY	2	36
Charleston	SC	2	36
			36
			34
Columbus	он	3	34
Minneapolis			32
•			32
		2	32
		2	32
			32
			31
-			30
Boise	ID	3	30
			30
-	IA	2	29
	MI	2	28
			28
-			20
			27
-			25
Milwaukee	WI	2	23
	San Diego Chicago Bridgeport Colton Waterbury Cincinnati La Crosse Boston Boston Syracuse Cincinnati Montclair Washington Chicago Austin Fort Wayne Fort Hood Baltimore Baltimore Baltimore Baltimore Baltimore St Petersburg Easton Kettering Providence Columbus St Petersburg Easton Kettering Pasadena Laramie Charleston Framingham Anderson Columbus Minneapolis Ponce Tallahassee Baltimore	Institution CityStateSan DiegoCAChicagoILBridgeportCTColtonCAWaterburyCTCincinnatiOHLa CrosseWIBostonMABostonMASyracuseNYCincinnatiOHMontclairNJWashingtonDCChicagoILAustinTXFort WayneINFort HoodTXBaltimoreMDBaltimoreRIColumbusGASt PetersburgFLEastonPAKetteringOHPasadenaCALaramieWYCharlestonSCFraminghamMAAndersonSCColumbusOHMinneapolisMNPoncePRTallahasseeFLBaltimoreMDBaltimoreMDBaltimoreMDScColumbusOHSCFraminghamMAAndersonSCColumbusOHMinneapolisMNPoncePRTallahasseeFLBaltimoreMDBayamonPREdisonNJBoiseIDBrooks City-BaseTXDes MoinesIAPontiacMIBryn MawrPARockfordILLong BeachCA <tr< td=""><td>Institution CityStateProgramsSan DiegoCA2ChicagoIL3BridgeportCT3ColtonCA3WaterburyCT2CincinnatiOH3La CrosseWI3BostonMA2SyracuseNY2CincinnatiOH2MontclairNJ3WashingtonDC2ChicagoIL2AustinTX3Fort WayneIN2Fort HoodTX2BaltimoreMD3ProvidenceRI3ColumbusGA2St PetersburgFL3EastonPA2KetteringOH2PasadenaCA2LaramieWY2CharlestonSC3ColumbusOH3MinneapolisMN4PoncePR2FaitimoreMD2BaltimoreMD2BaltimoreMD2BaltimoreMD2BaltimoreMD2BaltimoreMD2BaltimoreMD2BaltimoreMD2BaltimoreMD2BaltimoreMD2BaltimoreMD2BaltimoreMD2BaltimoreMD2Baltimore&lt;</td></tr<>	Institution CityStateProgramsSan DiegoCA2ChicagoIL3BridgeportCT3ColtonCA3WaterburyCT2CincinnatiOH3La CrosseWI3BostonMA2SyracuseNY2CincinnatiOH2MontclairNJ3WashingtonDC2ChicagoIL2AustinTX3Fort WayneIN2Fort HoodTX2BaltimoreMD3ProvidenceRI3ColumbusGA2St PetersburgFL3EastonPA2KetteringOH2PasadenaCA2LaramieWY2CharlestonSC3ColumbusOH3MinneapolisMN4PoncePR2FaitimoreMD2BaltimoreMD2BaltimoreMD2BaltimoreMD2BaltimoreMD2BaltimoreMD2BaltimoreMD2BaltimoreMD2BaltimoreMD2BaltimoreMD2BaltimoreMD2BaltimoreMD2BaltimoreMD2Baltimore<

continued						
Institution Name	Institution Name Institution Institution Sta		Number of Programs	Number of Residents		
Presbyterian Hospital of Dallas	Dallas	ТХ	2	24		
Toledo Hospital	Toledo	ОН	3	23		
Christus Santa Rosa Health Care Corporation	San Antonio	ТХ	3	23		
St Vincent Health Center	Erie	PA	3	23		
Swedish Covenant Hospital	Chicago	IL	2	21		
Griffin Hospital	Derby	СТ	2	20		
Integris Baptist Medical Center	Oklahoma City	ОК	2	19		
St Francis Hospital and Medical Center	Hartford	СТ	2	18		
St Mark's Health Care Foundation	Salt Lake City	UT	2	13		
Keesler Medical Center	Keesler AFB	MS	2	13		
Children's Mercy Hospital	Kansas City	МО	2	5		
Alfred I duPont Hospital for Children	Wilmington	DE	2	1		
University of Arizona/UPHK Graduate Medical Ed Consortium	Tucson	AZ	2	0		



### **Section Definitions**

<u>Program Director</u>: The one physician designated to oversee and organize the activities for an educational program. The program director is responsible for the implementation of the program requirements for a specific specialty. (See specific program requirements for program director responsibilities and qualifications.)

<u>Core program</u>: A structured educational experience in a specialty program in graduate medical education.

<u>Subspecialty program</u>: A structured educational experience following completion of a prerequisite specialty program in graduate medical education designed to conform to the program requirements of a particular subspecialty.

<u>Cycle Length</u>: The interval between a final accreditation action and the target date identified for the next site visit.

### **Chapter Highlights**

- The total number of accredited programs has increased from the previous academic year from 8,355 to 8,490.
- Among all specialties, family medicine had the largest number of programs (462, 5.4%) followed by internal medicine with (385, 4.5%), and surgery (251, 3.0%).
- Geographically, New York, California, Pennsylvania, and Texas lead the nation in the number of programs. Parts of the upper Great Plains and Mountain States (i.e. ID, MT, WY, ND, and SD) have the fewest programs.
- During the academic year, 89% of accredited programs were operating under full accreditation, 8% were under initial or provisional accreditation, 2% were under probation or warning, and 1% had a recent or upcoming withdrawal status.
- Eighty-two percent (82%) of programs have a cycle length of greater than or equal to three years and less than or equal to five years.
- Two hundred and forty-six (246) newly accredited programs began operation during the 2007–2008 academic year. Most of the new accreditations are for subspecialty programs (212 versus 34 for cores), with the highest numbers in Adult cardiothoracic anesthesiology, transplant hepatology, and sleep medicine.
- Effective during 2007–2008, 86 programs had their accreditation withdrawn, of which 88% were voluntarily withdrawn.
- The program director turnover rate remained relatively stable from last year. There was only a slight change from 12.9% last academic year to 12.1% of programs this year having at least one new program director. The turnover is slightly higher in the core programs than in subspecialty programs (10.8% versus 13.6%).

- When examining core program director turnover events since 2001, directors of allergy and immunology programs held the longest tenure at an average of 11.4 years while directors in radiation oncology programs held the shortest tenures at an average of 4.6 years.
- Program directors in thoracic surgery self-reported spending the most time among the core specialties in clinical activities (avg. 38.7 hours per week). Program directors in allergy and immunology self-reported the most time among the core specialties in research activities (avg. 14.9 hours per week). Program directors in internal medicine self-reported the most time among the core specialties in teaching activities (avg. 9.4 hours per week). Program directors in pediatrics self-reported the most time among the core specialties self-reported the most time among the core specialties (avg. 24.9 hours per week).

### **Total Number of Programs, by Specialty with Accreditation Information**

Тс	otal Number of Programs: 8	3,490						
			in Y	Accredited Length(s) in Years of Education Progra				ram
			1	2	3	4	5	6
Specialty	Min. No. of Prior Years Required Before Entering Specialty	Total Programs	#	#	#	#	#	#
Allergy and immunology	3	71		71		-		
Anesthesiology	1/0	131		-	51	80		
- Adult Cardiothoracic Anesthesiology	4	33	33	-	-	-		
- Critical Care Medicine	4	50	50	-		-		
- Pediatric Anesthesiology	4	45	45		-			
Colon and rectal surgery	5	45	45	-				
Dermatology	1/0	110	1	-	103	6		-
- Dermatopathology	4	48	48			-		
- Procedural Dermatology	4	34	34					
Emergency medicine	1/0/0	145			121	24		
- Medical Toxicology	4	24		24				
- Pediatric Emergency Medicine	4	17		16	1			
- Sports Medicine	4	5	5	-		-		
- Undersea and Hyperbaric Medicine	3	3	3	-		-		
Family medicine	0	462			462	-		
- Geriatric Medicine	3	39	39					
- Sports Medicine	3	97	97					
Internal medicine	0	385			385			
- Cardiovascular Disease	3	177		-	177			
- Clinical Cardiac Electrophysiology	5	95	95					
- Critical Care Medicine	3	30		30				
- Endocrinology, Diabetes, and Metabolism	3	122		122				<u> </u>
- Gastroenterology	3	155			155			<u> </u>
- Geriatric Medicine	3	102	102					<u> </u>
- Hematology	3	9		9		-		
- Hematology and Oncology	3	127			127			
- Infectious Disease	3	142		142				
- Interventional Cardiology	6	130	130					
- Nephrology	3	139		139				
- Oncology	3	17		17				
- Pulmonary Disease	3	25		25				
- Pulmonary Disease and Critical Care	3	130			130			
- Rheumatology	3	109		109				
- Transplant hepatology	3	21	21			_		
Medical genetics	2/0	48		46	_	2		
- Molecular Genetic Pathology	4	23	23			_		
Neurological surgery	1/0	97			•		97	
- Endovascular surgical neuroradiology	3	1	1					
Neurology	1/0	122			84	38		
- Child Neurology	2	67		-	67			
- Clinical Neurophysiology	4	89	89	•		•	•	·

Note: There are some limited exceptions to established accredited training lengths of select programs.
## **Total Number of Programs, by Specialty with Accreditation Information**

т.	continued	400						
	tal Number of Programs: 8	3,490	in Y		edited			ram
			1	2	3	4	5	6
Specialty	Min. No. of Prior Years Required Before Entering Specialty	Total Programs	#	#	#	#	#	#
- Neuromuscular Medicine	3/4	16	16	•	-	•	•	
- Neurodevelopmental Disabilities	2	7	-	-	-	7	-	-
- Vascular Neurology	4	44	44	•	-	•	•	
Nuclear medicine	1	57	•		57			•
Obstetrics and gynecology	0	250	-	-	-	250	-	
Ophthalmology	1	118			118			
Orthopaedic surgery	0	153			•	•	153	
- Adult Reconstructive Orthopaedics	5	20	20					
- Foot and Ankle Orthopaedics	5	8	8					
- Hand Surgery	5	56	56					
- Musculoskeletal Oncology	5	10	10	-	-			
- Orthopaedic Sports Medicine	5	80	80		-			
- Orthopaedic Surgery of the Spine	5	14	14	-	-			
- Orthopaedic Trauma	5	8	8					
- Pediatric Orthopaedics	5	20	20					
Otolaryngology	0	103					103	
- Neurotology	4	16		16	-			
- Pediatric Otolaryngology	4	6	6	-	-			
- Pain Medicine	4	92	92					
Pathology-anatomic and clinical	0	150			1	149		
- Blood Banking/Transfusion Medicine	3	46	46					
- Chemical Pathology	3	2	2	-	-	-	-	
- Cytopathology	3	86	86					
- Forensic Pathology	3	38	38					
- Hematology	3	78	78	-				
- Medical Microbiology	3	13	13					
- Neuropathology	3	35		35				
- Pediatric Pathology	3	25	25					
- Selective Pathology	3	57	57					
Pediatrics	0	198			198			
- Adolescent Medicine	3	26			26			
- Neonatal-Perinatal Medicine	3	97			97			
- Pediatric Cardiology	3	49			49			
- Pediatric Critical Care Medicine	3	62			62			
Pediatric Emergency Medicine	3	46			46			
- Pediatric Endocrinology	3	68	_		68			
- Pediatric Gastroenterology	3	51			51			
- Pediatric Hematology/Oncology	3	64	•		64		•	
- Pediatric Infectious Diseases	3	61			61			
- Pediatric Nephrology	3	36	•		36	•	•	
· colorio ropinology	3							

Note: There are some limited exceptions to established accredited training lengths of select programs.

## **Total Number of Programs, by Specialty with Accreditation Information**

_	continued							
1	otal Number of Programs: 8	3,490						
			in ۱	Accr ears d		d Leng		ram
			1	2	3	4	5	6
Specialty	Min. No. of Prior Years Required Before Entering Specialty	Total Programs	#	#	#	#	#	#
- Pediatric Rheumatology	3	26	•	•	26	•	•	
- Pediatric Sports Medicine	3	8	8	-	-		-	-
- Developmental-Behavioral Pediatrics	3	33		-	33	•	-	•
Physical medicine and rehabilitation	1/0	79		-	52	27		•
- Pediatric Rehabilitation	4	12		12		•		•
- Spinal Cord Injury Medicine	4	20	20			•		•
Plastic surgery	3/0	88	•	40	20		4	24
- Craniofacial Surgery	5	4	4	•				
- Hand Surgery	5	13	13	•				
Preventive medicine	1/0	73	7	63	3			
- Medical Toxicology	3	4		4			-	
- Undersea and Hyperbaric Medicine	3	1	1					
Psychiatry	0	181	1		1	179		
- Addiction Psychiatry	4	41	40	1				•
- Child and Adolescent Psychiatry	3	121		121				
- Forensic Psychiatry	4	41	41					
- Geriatric Psychiatry	4	60	59	1				
- Psychosomatic Medicine	4	36	36	-		· .		
Radiation oncology	1	80		-		80		
Radiology-diagnostic	1/0	187				186	1	<u> </u>
- Abdominal Radiology	4	12	12					
- Cardiothoracic Radiology	5	2	2					<u> </u>
- Endovascular surgical neuroradiology	3	3	3					
- Musculoskeletal Radiology	4	13	13					. ·
- Neuroradiology	4	86	86	-		· .		
- Nuclear Radiology	4	22	22	-		· .		<u> </u>
- Pediatric Radiology	4	44	44					
- Vascular and Interventional Radiology	4	94	94					<u> </u>
- Sleep Medicine	3/4/5	61	61			<u> </u>		<u> </u>
Surgery	0	251				. ·	251	
- Hand Surgery	5	1	1					
- Pediatric Surgery	5	35		35				
- Surgical Critical Care	5	89	89					
- Vascular Surgery	5	96	5	91				
- Vascular surgery - Integrated	0	6					6	
Thoracic surgery	5	81		56	25			
- Congenital Cardiac Surgery	6	3	3					
Urology	2/1	119				118	1	
- Pediatric Urology	5	22	22	_	-		_	
Transitional year	0	127	127					
Internal Medicine/Pediatrics	0	81			-	81		

Note: There are some limited exceptions to established accredited training lengths of select programs.

## **Growth Trend in the Number of Programs**



# Number of Core and Subspecialty Programs, by State

State Name	State Abbreviation	Number of Programs	Percentage of All Programs	Number of Core Programs	Percentage of All Core Programs	Number of Subspecialty Programs	Percentage of All Subspecialty Programs
OVERALL		8,490	100.0%	3,992	100.0%	4,498	100.0%
Alaska	AK	1	0.0%	1	0.0%		
Alabama	AL	103	1.2%	51	1.3%	52	1.2%
Arkansas	AR	62	0.7%	26	0.7%	36	0.8%
Arizona	AZ	103	1.2%	55	1.4%	48	1.1%
California	CA	723	8.5%	331	8.3%	392	8.7%
Colorado	CO	91	1.1%	40	1.0%	51	1.1%
Connecticut	СТ	158	1.9%	74	1.9%	84	1.9%
District of Columbia	DC	158	1.9%	70	1.8%	88	2.0%
Delaware	DE	25	0.3%	11	0.3%	14	0.3%
Florida	FL	273	3.2%	121	3.0%	152	3.4%
Georgia	GA	159	1.9%	80	2.0%	79	1.8%
Hawaii	HI	30	0.4%	20	0.5%	10	0.2%
lowa	IA	79	0.9%	37	0.9%	42	0.9%
Idaho	ID	4	0.0%	3	0.1%	1	0.0%
Illinois	IL	412	4.9%	207	5.2%	205	4.6%
Indiana	IN	98	1.2%	43	1.1%	55	1.2%
Kansas	KS	56	0.7%	33	0.8%	23	0.5%
Kentucky	KY	94	1.1%	49	1.2%	45	1.0%
Louisiana	LA	139	1.6%	78	2.0%	61	1.4%
Massachusetts	MA	371	4.4%	141	3.5%	230	5.1%
Maryland	MD	211	2.5%	90	2.3%	121	2.7%
Maine	ME	21	0.2%	13	0.3%	8	0.2%
Michigan	ML	335	3.9%	171	4.3%	164	3.6%
Minnesota	MN	166	2.0%	65	1.6%	104	2.2%
Missouri	MO	209	2.5%	88	2.2%	121	2.2%
Mississippi	MO	42	0.5%	23	0.6%	121	0.4%
Montana	MS	- +2	0.0%	1	0.0%	13	0.4 %
North Carolina	NC	243	2.9%	107	2.7%	136	3.0%
North Dakota	ND	7	0.1%	7	0.2%	130	3.0%
Nebraska	NE	55	0.1%	30	0.2%	. 25	. 0.6%
	NH	42	0.6%	16	0.8%	25	
New Hampshire New Jersey	NH	42	2.3%	114	2.9%	80	0.6%
,		-					
New Mexico	NM	52	0.6%	20	0.5%	32	0.7%
Nevada	NV	16	0.2%	11	0.3%	5	0.1%
New York	NY	1,090	12.8%	489	12.2%	601	13.4%
Ohio	OH	425	5.0%	197	4.9%	228	5.1%
Oklahoma	OK	65	0.8%	38	1.0%	27	0.6%
Oregon	OR	67	0.8%	29	0.7%	38	0.8%
Pennsylvania	PA	562	6.6%	261	6.5%	301	6.7%
Puerto Rico	PR	67	0.8%	41	1.0%	26	0.6%
Rhode Island	RI	58	0.7%	22	0.6%	36	0.8%
South Carolina	SC	91	1.1%	49	1.2%	42	0.9%
South Dakota	SD	7	0.1%	6	0.2%	1	0.0%
Tennessee	TN	169	2.0%	80	2.0%	89	2.0%
Texas	TX	520	6.1%	245	6.1%	275	6.1%
Utah	UT	66	0.8%	29	0.7%	37	0.8%
Virginia	VA	189	2.2%	90	2.3%	99	2.2%
Vermont	VT	34	0.4%	14	0.4%	20	0.4%
Washington	WA	128	1.5%	61	1.5%	67	1.5%
Wisconsin	WI	156	1.8%	73	1.8%	83	1.8%
West Virginia	WV	60	0.7%	39	1.0%	21	0.5%
Wyoming	WY	2	0.0%	2	0.1%		

## **Geographical Distribution of the Total Number of Programs**



## Accreditation Statuses of Currently Accredited Programs, by Specialty Type

Total Accredited Programs = 8,490



#### ACGME Data Resource Book Academic Year 2007-2008

# Accreditation Statuses of Currently Accredited Programs, by Specialty

					А	ccreditat	ion Statu	IS		
			Accre	dited		tial litation	Proba War		Withd	Irawn
Specialty	Number of	Average Cycle	#	%	#	%	#	%	#	%
· · ·	Programs	Length								1%
OVERALL	8,490	3.97	7,537	89%	715	8%	138	2%	100	1%
Allergy and immunology	71	4.21	70	99%	1	1%				
Anesthesiology	131	3.72	123	94%	2	2%	5	4%	1	1%
- Adult Cardiothoracic Anesthesiology	33	2.71	•		31	94%	•		2	6%
- Critical Care Medicine	50	4.05	41	82%	6	12%	1	2%	2	4%
- Pediatric Anesthesiology	45	3.64	39	87%	2	4%	2	4%	2	4%
Colon and rectal surgery	45	3.60	36	80%	7	16%	1	2%	1	2%
Dermatology	110	4.15	109	99%	1	1%	•		-	
- Dermatopathology	48	3.82	43	90%	5	10%		· ·	•	<u> </u>
- Procedural Dermatology	34	3.80	26	76%	7	21%	-		1	3%
Emergency medicine	145	4.68	134	92%	11	8%	-	•		<u> </u>
- Medical Toxicology	24	4.00	21	88%	2	8%	1	4%	•	<u> </u>
- Pediatric Emergency Medicine	17	3.76	12	71%	5	29%	•	•	•	•
- Sports Medicine	5	3.80	3	60%	2	40%	-	•	•	· .
- Undersea and Hyperbaric Medicine	3	4.00	2	67%	1	33%				· .
Family medicine	462	3.98	436	94%	12	3%	7	2%	7	2%
- Geriatric Medicine	39	4.12	29	74%	9	23%			1	3%
- Sports Medicine	97	4.14	67	69%	28	29%	•		2	2%
Internal medicine	385	4.11	375	97%	5	1%	2	1%	3	1%
- Cardiovascular Disease	177	3.85	161	91%	8	5%	6	3%	2	1%
- Clinical Cardiac Electrophysiology	95	3.59	75	79%	18	19%	1	1%	1	1%
- Critical Care Medicine	30	4.00	28	93%	2	7%			-	•
- Endocrinology, Diabetes, and Metabolism	122	4.30	113	93%	6	5%	3	2%	-	
- Gastroenterology	155	3.91	143	92%	2	1%	7	5%	3	2%
- Geriatric Medicine	102	4.33	90	88%	7	7%	4	4%	1	1%
- Hematology	9	4.50	8	89%	•		•		1	11%
<ul> <li>Hematology and Oncology</li> </ul>	127	3.80	116	91%	5	4%	6	5%	•	-
- Infectious Disease	142	4.20	135	95%	4	3%	2	1%	1	1%
- Interventional Cardiology	130	3.83	100	77%	23	18%	6	5%	1	1%
- Nephrology	139	3.97	125	90%	10	7%	4	3%		
- Oncology	17	3.81	15	88%			1	6%	1	6%
- Pulmonary Disease	25	3.48	18	72%	3	12%			4	16%
- Pulmonary Disease and Critical Care Medicine	130	4.01	120	92%	7	5%	3	2%		
- Rheumatology	109	4.07	97	89%	8	7%	4	4%	-	
- Transplant hepatology	21	1.95			21	100%				
Medical genetics	48	3.89	45	94%	3	6%				
- Molecular Genetic Pathology	23	4.09	15	65%	8	35%	-			
Neurological surgery	97	4.03	97	100%						
- Endovascular surgical neuroradiology	1	3.00			1	100%	-			
Neurology	122	4.00	120	98%	2	2%				
- Child Neurology	67	4.02	65	97%	2	3%				1.
- Clinical Neurophysiology	89	3.80	85	96%	3	3%			1	1%

## Accreditation Statuses of Currently Accredited Programs, by Specialty

			continue	d						
					А	ccreditat	ion Statu	ıs		
			Accre	dited		tial litation		ation / ning	Witho	Irawn
Specialty	Number of Programs	Average Cycle Length	#	%	#	%	#	%	#	%
- Neuromuscular Medicine	16	3.06	7	44%	9	56%		· .		
- Neurodevelopmental Disabilities	7	3.14	7	100%		· .		· .		
- Vascular Neurology	44	3.12	26	59%	17	39%		· .	1	2%
Nuclear medicine	57	4.44	54	95%	1	2%		· .	2	4%
Obstetrics and gynecology	250	3.27	221	88%	8	3%	20	8%	1	0%
Ophthalmology	118	4.11	113	96%	3	3%	2	2%		
Orthopaedic surgery	153	3.77	139	91%	4	3%	9	6%	1	1%
- Adult Reconstructive Orthopaedics	20	4.28	16	80%	2	10%		· .	2	10%
- Foot and Ankle Orthopaedics	8	4.19	7	88%	1	13%				
- Hand Surgery	56	3.77	50	89%	4	7%	1	2%	1	2%
- Musculoskeletal Oncology	10	4.05	8	80%	2	20%		· ·		
- Orthopaedic Sports Medicine	80	3.42	57	71%	22	28%	-		1	1%
- Orthopaedic Surgery of the Spine	14	3.92	10	71%	2	14%	-	· .	2	14%
- Orthopaedic Trauma	8	3.86	5	63%	2	25%	- -	· .	1	13%
- Pediatric Orthopaedics	20	4.10	17	85%	3	15%	-			
Otolaryngology	103	3.60	98	95%	3	3%	1	1%	1	1%
- Neurotology	16	3.13	11	69%	4	25%			1	6%
- Pediatric Otolaryngology	6	3.83	5	83%	1	17%		· ·		
- Pain Medicine	92	3.72	83	90%	6	7%	2	2%	1	1%
Pathology-anatomic and clinical	150	4.01	150	100%	-			· .		
- Blood Banking/Transfusion Medicine	46	4.58	45	98%	1	2%		· .		
- Chemical Pathology	2	4.50	2	100%	-	· .		· .		
- Cytopathology	86	4.44	80	93%	5	6%		· .	1	1%
- Forensic Pathology	38	3.92	34	89%	2	5%	1	3%	1	3%
- Hematology	78	4.22	73	94%	4	5%	1	1%		
- Medical Microbiology	13	4.00	10	77%	3	23%				
- Neuropathology	35	4.44	33	94%	2	6%	-			
- Pediatric Pathology	25	4.06	24	96%			1	4%		
- Selective Pathology	57	4.00	41	72%	16	28%	•		•	-
Pediatrics	198	3.87	191	96%	2	1%	1	1%	4	2%
- Adolescent Medicine	26	4.17	23	88%	2	8%	1	4%		•
- Neonatal-Perinatal Medicine	97	3.96	93	96%	1	1%	2	2%	1	1%
- Pediatric Cardiology	49	4.32	42	86%	4	8%	•		3	6%
- Pediatric Critical Care Medicine	62	3.83	54	87%	4	6%	2	3%	2	3%
- Pediatric Emergency Medicine	46	4.14	43	93%	3	7%			-	
- Pediatric Endocrinology	68	3.89	60	88%	6	9%	•		2	3%
- Pediatric Gastroenterology	51	3.79	46	90%	3	6%	2	4%	-	
- Pediatric Hematology/Oncology	64	4.11	57	89%	6	9%	•		1	2%
- Pediatric Infectious Diseases	61	4.41	59	97%	2	3%	•			
- Pediatric Nephrology	36	4.13	29	81%	4	11%	1	3%	2	6%
- Pediatric Pulmonology	47	3.96	40	85%	5	11%	1	2%	1	2%

Note: Includes withdrawals in current academic year and after 6 / 30 / 2008 .

## Accreditation Statuses of Currently Accredited Programs, by Specialty

		0	continued							
					A	ccreditat	ion Statu	IS		
			Accre	dited	Ini Accrec	tial litation	Proba Wari		Withd	Irawn
Specialty	Number of	Average Cycle Length	#	%	#	%	#	%	#	%
- Pediatric Rheumatology	Programs 26	4.44	23	88%	# 2	8%	# 1	4%	#	70
- Pediatric Sports Medicine	8	4.44	6	75%	1	13%	1	13%	•	· ·
- Developmental-Behavioral Pediatrics	33	4.21	19	58%	14	42%	I	13%	•	•
Physical medicine and rehabilitation	79	3.65	78	99%			. 1	1%	•	
- Pediatric Rehabilitation	12	3.00	5	42%	7	58%		170	-	·
- Spinal Cord Injury Medicine	20	3.87	19	95%	1	5070	•	•	. 1	5%
Plastic surgery	88	3.69	81	92%	5	6%	. 1	1%	1	1%
- Craniofacial Surgery	4	3.25	4	100%	5			170	•	170
- Hand Surgery	13	3.69	13	100%	•	·	•	· ·	-	· ·
Preventive medicine	73	4.66	70	96%		· ·		· ·	3	4%
- Medical Toxicology	4	5.00	2	50%	•			· ·	2	50%
- Undersea and Hyperbaric Medicine	1	5.00	1	100%		· ·				
Psychiatry	181	4.28	178	98%	2	1%			1	1%
- Addiction Psychiatry	41	4.30	37	90%	4	10%				
- Child and Adolescent Psychiatry	121	4.45	111	92%	10	8%		· .		
- Forensic Psychiatry	41	4.14	33	80%	6	15%			2	5%
- Geriatric Psychiatry	60	4.33	54	90%	5	8%			1	2%
- Psychosomatic Medicine	36	3.26	13	36%	22	61%			1	3%
Radiation oncology	80	4.20	76	95%	3	4%	1	1%		· .
Radiology-diagnostic	187	4.39	185	99%	1	1%	1	1%		
- Abdominal Radiology	12	4.50	11	92%	1	8%	-			
- Cardiothoracic Radiology	2	4.00	2	100%						
- Endovascular surgical neuroradiology	3	4.50	2	67%	1	33%				
- Musculoskeletal Radiology	13	3.83	9	69%	3	23%			1	8%
- Neuroradiology	86	4.42	82	95%	3	3%			1	1%
- Nuclear Radiology	22	4.45	19	86%	3	14%	-			
- Pediatric Radiology	44	4.53	40	91%	3	7%	-		1	2%
- Vascular and Interventional Radiology	94	4.37	86	91%	4	4%	-		4	4%
- Sleep Medicine	61	2.97	22	36%	38	62%	-		1	2%
Surgery	251	3.75	234	93%	6	2%	11	4%	<u> </u>	
- Hand Surgery	1	5.00	1	100%				· .		<u> </u>
- Pediatric Surgery	35	3.89	30	86%	5	14%	·	•	-	
- Surgical Critical Care	89	4.26	79	89%	10	11%				· ·
- Vascular Surgery	96	3.96	92	96%	4	4%			-	
- Vascular surgery - Integrated	6	3.50			6	100%			-	
Thoracic surgery	81	3.69	71	88%	3	4%	5	6%	2	2%
- Congenital Cardiac Surgery	3	2.00			3	100%				<u> </u>
Urology	119	4.25	113	95%	3	3%	2	2%	1	1%
- Pediatric Urology	22	4.18	16	73%	6	27%	•		•	•
Transitional year	127	4.28	119	94%	3	2%			5	4%
Internal Medicine/Pediatrics	81	1.80	1	1%	79	98%	-		1	1%

Note: Includes withdrawals in current academic year and after 6 / 30 / 2008 .

# Cycle Length Breakdown of Currently Accredited Programs



Notes: Cycle Length is measured to the nearest rounded year. Cycle lengths that are beyond six years represent pilot projects. Accredited Programs with future future dates are excluded. Accreditation Council for Graduate Medical Education | Copyright 2008 | All Rights Reserved

# Number and Percentage of Newly-Accredited Programs During the Academic Year, by Specialty Type







# Number of Newly-Accredited Programs During the Academic Year, by Specialty

				Demonstration
Specialty	Number of Programs	New Accreditations	Percent of Specialty	Percent of All New Accreditations
OVERALL	8,490	246	2.9%	100.0%
Allergy and immunology	71			
Anesthesiology	131			
- Adult Cardiothoracic Anesthesiology	33	27	81.8%	11.0%
- Critical Care Medicine	50	1	2.0%	0.4%
- Pediatric Anesthesiology	45	1	2.2%	0.4%
Colon and rectal surgery	45			
Dermatology	110			
- Dermatopathology	48	3	6.3%	1.2%
- Procedural Dermatology	34			
Emergency medicine	145	6	4.1%	2.4%
- Medical Toxicology	24	1	4.2%	0.4%
- Pediatric Emergency Medicine	17	3	17.6%	1.2%
- Sports Medicine	5	1	20.0%	0.4%
- Undersea and Hyperbaric Medicine	3			
Family medicine	462	5	1.1%	2.0%
- Geriatric Medicine	39	4	10.3%	1.6%
- Sports Medicine	97	10	10.3%	4.1%
Internal medicine	385	4	1.0%	1.6%
- Cardiovascular Disease	177	4	2.3%	1.6%
- Clinical Cardiac Electrophysiology	95	4	4.2%	1.6%
- Critical Care Medicine	30	1	3.3%	0.4%
- Endocrinology, Diabetes, and Metabolism	122		0.070	
- Gastroenterology	155			
- Geriatric Medicine	102			
- Hematology	9	•	•	
- Hematology and Oncology	127	1	0.8%	0.4%
- Infectious Disease	142	2	1.4%	0.8%
- Interventional Cardiology	130	2	1.5%	0.8%
- Nephrology	139	3	2.2%	1.2%
- Oncology	100	•	2.270	1.270
- Pulmonary Disease	25	3	12.0%	1.2%
<ul> <li>Pulmonary Disease and Critical Care Medicine</li> </ul>	130	•	12.070	1.270
- Rheumatology	100	2	1.8%	0.8%
- Transplant hepatology	21	21	100.0%	8.5%
Medical genetics	48	-	100.070	0.070
- Molecular Genetic Pathology	23	4	17.4%	1.6%
Neurological surgery	97	-	17.770	1.070
- Endovascular surgical neuroradiology	97	. 1	. 100.0%	0.4%
Neurology	122			
- Child Neurology	67	•	•	· ·
		•		
- Clinical Neurophysiology	89	2	2.2%	0.8%

# Number of Newly-Accredited Programs During the Academic Year, by Specialty

	con	tinued		
Specialty	Number of Programs	New Accreditations	Percent of Specialty	Percent of All New Accreditations
- Neuromuscular Medicine	16	3	18.8%	1.2%
- Neurodevelopmental Disabilities	7			
- Vascular Neurology	44	6	13.6%	2.4%
Nuclear medicine	57	•	-	-
Obstetrics and gynecology	250	3	1.2%	1.2%
Ophthalmology	118	2	1.7%	0.8%
Orthopaedic surgery	153	4	2.6%	1.6%
- Adult Reconstructive Orthopaedics	20	1	5.0%	0.4%
- Foot and Ankle Orthopaedics	8		•	
- Hand Surgery	56	1	1.8%	0.4%
- Musculoskeletal Oncology	10		•	
- Orthopaedic Sports Medicine	80	9	11.3%	3.7%
- Orthopaedic Surgery of the Spine	14	2	14.3%	0.8%
- Orthopaedic Trauma	8	2	25.0%	0.8%
- Pediatric Orthopaedics	20			
Otolaryngology	103			
- Neurotology	16	1	6.3%	0.4%
- Pediatric Otolaryngology	6	1	16.7%	0.4%
- Pain Medicine	92	2	2.2%	0.8%
Pathology-anatomic and clinical	150			
- Blood Banking/Transfusion Medicine	46			
- Chemical Pathology	2			
- Cytopathology	86	2	2.3%	0.8%
- Forensic Pathology	38	1	2.6%	0.4%
- Hematology	78	1	1.3%	0.4%
- Medical Microbiology	13	1	7.7%	0.4%
- Neuropathology	35			
- Pediatric Pathology	25			
- Selective Pathology	57	2	3.5%	0.8%
Pediatrics	198	1	0.5%	0.4%
- Adolescent Medicine	26	1	3.8%	0.4%
- Neonatal-Perinatal Medicine	97	1	1.0%	0.4%
- Pediatric Cardiology	49	1	2.0%	0.4%
- Pediatric Critical Care Medicine	62			
- Pediatric Emergency Medicine	46	1	2.2%	0.4%
- Pediatric Endocrinology	68	1	1.5%	0.4%
- Pediatric Gastroenterology	51			
- Pediatric Hematology/Oncology	64	3	4.7%	1.2%
- Pediatric Infectious Diseases	61	1	1.6%	0.4%
- Pediatric Nephrology	36	3	8.3%	1.2%
- Pediatric Pulmonology	47	4	8.5%	1.6%

# Number of Newly-Accredited Programs During the Academic Year, by Specialty

	cont	inued		
Specialty	Number of Programs	New Accreditations	Percent of Specialty	Percent of All New Accreditations
- Pediatric Rheumatology	26	•	-	
- Pediatric Sports Medicine	8			
- Developmental-Behavioral Pediatrics	33	2	6.1%	0.8%
Physical medicine and rehabilitation	79			
- Pediatric Rehabilitation	12	1	8.3%	0.4%
- Spinal Cord Injury Medicine	20			
Plastic surgery	88			
- Craniofacial Surgery	4			
- Hand Surgery	13			
Preventive medicine	73			
- Medical Toxicology	4			
- Undersea and Hyperbaric Medicine	1			
Psychiatry	181	1	0.6%	0.4%
- Addiction Psychiatry	41	2	4.9%	0.8%
- Child and Adolescent Psychiatry	121	7	5.8%	2.8%
- Forensic Psychiatry	41	1	2.4%	0.4%
- Geriatric Psychiatry	60	4	6.7%	1.6%
- Psychosomatic Medicine	36	5	13.9%	2.0%
Radiation oncology	80	2	2.5%	0.8%
Radiology-diagnostic	187			
- Abdominal Radiology	12			
- Cardiothoracic Radiology	2			
- Endovascular surgical neuroradiology	3			
- Musculoskeletal Radiology	13	1	7.7%	0.4%
- Neuroradiology	86	2	2.3%	0.8%
- Nuclear Radiology	22	3	13.6%	1.2%
- Pediatric Radiology	44			
- Vascular and Interventional Radiology	94	1	1.1%	0.4%
- Sleep Medicine	61	13	21.3%	5.3%
Surgery	251	2	0.8%	0.8%
- Hand Surgery	1			
- Pediatric Surgery	35	2	5.7%	0.8%
- Surgical Critical Care	89	3	3.4%	1.2%
- Vascular Surgery	96	3	3.1%	1.2%
- Vascular surgery - Integrated	6	6	100.0%	2.4%
Thoracic surgery	81	1	1.2%	0.4%
- Congenital Cardiac Surgery	3	2	66.7%	0.8%
Urology	119	1	0.8%	0.4%
- Pediatric Urology	22	2	9.1%	0.8%
Transitional year	127			
Internal Medicine/Pediatrics	81	2	2.5%	0.8%

## Number of Accreditation Withdrawals During the Academic Year, by Type of Withdrawal and Specialty Type

Total Withdrawn=86

### Specialty Type Withdrawal Status



# Number of Accreditation Withdrawals During the Academic Year, by Specialty

Specialty	Total Programs	Accreditation Withdrawals	Percent of Specialty	Percent of All Withdrawals
OVERALL	8,490	86	1.0%	100.0%
Allergy and immunology	71		1.070	100.070
Anesthesiology	131	1	0.8%	1.2%
- Adult Cardiothoracic Anesthesiology	33	2	6.1%	2.3%
- Critical Care Medicine	50	2	4.0%	2.3%
- Pediatric Anesthesiology	45	2	4.4%	2.3%
Colon and rectal surgery	45	- 1	2.2%	1.2%
Dermatology	110	•		
- Dermatopathology	48	•	•	•
- Procedural Dermatology	34	. 1	2.9%	1.2%
Emergency medicine	145	-		
- Medical Toxicology	24	•	•	•
	17	•	•	·
- Pediatric Emergency Medicine	5	•	•	•
- Sports Medicine	5 3	•	•	
- Undersea and Hyperbaric Medicine		•		
Family medicine	462	5	1.1%	5.8%
- Geriatric Medicine	39	1	2.6%	1.2%
- Sports Medicine	97	2	2.1%	2.3%
Internal medicine	385	3	0.8%	3.5%
- Cardiovascular Disease	177	1	0.6%	1.2%
- Clinical Cardiac Electrophysiology	95	-		
- Critical Care Medicine	30	•		
- Endocrinology, Diabetes, and Metabolism	122			
- Gastroenterology	155	3	1.9%	3.5%
- Geriatric Medicine	102	1	1.0%	1.2%
- Hematology	9	1	11.1%	1.2%
<ul> <li>Hematology and Oncology</li> </ul>	127	•		
- Infectious Disease	142	1	0.7%	1.2%
- Interventional Cardiology	130	•		
- Nephrology	139			
- Oncology	17	1	5.9%	1.2%
- Pulmonary Disease	25	3	12.0%	3.5%
- Pulmonary Disease and Critical Care Medicine	130			
- Rheumatology	109			
- Transplant hepatology	21			
Medical genetics	48			
- Molecular Genetic Pathology	23			
Neurological surgery	97			
- Endovascular surgical neuroradiology	1		•	
Neurology	122		•	· .
- Child Neurology	67			

# Number of Accreditation Withdrawals During the Academic Year, by Specialty

	con	linued		
Specialty	Total Programs	Accreditation Withdrawals	Percent of Specialty	Percent of All Withdrawals
- Clinical Neurophysiology	89	1	1.1%	1.2%
- Neuromuscular Medicine	16			
- Neurodevelopmental Disabilities	7			
- Vascular Neurology	44	1	2.3%	1.2%
Nuclear medicine	57	2	3.5%	2.3%
Obstetrics and gynecology	250	1	0.4%	1.2%
Ophthalmology	118			
Orthopaedic surgery	153		·	
- Adult Reconstructive Orthopaedics	20	1	5.0%	1.2%
- Foot and Ankle Orthopaedics	8		•	
- Hand Surgery	56	1	1.8%	1.2%
- Musculoskeletal Oncology	10			
- Orthopaedic Sports Medicine	80			
- Orthopaedic Surgery of the Spine	14	2	14.3%	2.3%
- Orthopaedic Trauma	8	1	12.5%	1.2%
- Pediatric Orthopaedics	20		•	
Otolaryngology	103	1	1.0%	1.2%
- Neurotology	16	1	6.3%	1.2%
- Pediatric Otolaryngology	6			
- Pain Medicine	92		•	
Pathology-anatomic and clinical	150		•	
- Blood Banking/Transfusion Medicine	46		•	
- Chemical Pathology	2			
- Cytopathology	86	1	1.2%	1.2%
- Forensic Pathology	38	1	2.6%	1.2%
- Hematology	78			
- Medical Microbiology	13			
- Neuropathology	35			
- Pediatric Pathology	25			
- Selective Pathology	57		•	
Pediatrics	198	4	2.0%	4.7%
- Adolescent Medicine	26		•	
- Neonatal-Perinatal Medicine	97			
- Pediatric Cardiology	49	2	4.1%	2.3%
- Pediatric Critical Care Medicine	62	2	3.2%	2.3%
- Pediatric Emergency Medicine	46		•	
- Pediatric Endocrinology	68	2	2.9%	2.3%
- Pediatric Gastroenterology	51			
- Pediatric Hematology/Oncology	64	1	1.6%	1.2%
- Pediatric Infectious Diseases	61			
- Pediatric Nephrology	36	2	5.6%	2.3%

# Number of Accreditation Withdrawals During the Academic Year, by Specialty

	cont	inued		
Specialty	Total Programs	Accreditation Withdrawals	Percent of Specialty	Percent of All Withdrawals
- Pediatric Pulmonology	47	1	2.1%	1.2%
- Pediatric Rheumatology	26			
- Pediatric Sports Medicine	8			
- Developmental-Behavioral Pediatrics	33			
Physical medicine and rehabilitation	79			
- Pediatric Rehabilitation	12			
- Spinal Cord Injury Medicine	20	1	5.0%	1.2%
Plastic surgery	88	1	1.1%	1.2%
- Craniofacial Surgery	4			
- Hand Surgery	13			
Preventive medicine	73	2	2.7%	2.3%
- Medical Toxicology	4	2	50.0%	2.3%
- Undersea and Hyperbaric Medicine	1			
Psychiatry	181	1	0.6%	1.2%
- Addiction Psychiatry	41			
- Child and Adolescent Psychiatry	121			
- Forensic Psychiatry	41	2	4.9%	2.3%
- Geriatric Psychiatry	60	1	1.7%	1.2%
- Psychosomatic Medicine	36	1	2.8%	1.2%
Radiation oncology	80			
Radiology-diagnostic	187			
- Abdominal Radiology	12			
- Cardiothoracic Radiology	2			
- Endovascular surgical neuroradiology	3			
- Musculoskeletal Radiology	13	1	7.7%	1.2%
- Neuroradiology	86	1	1.2%	1.2%
- Nuclear Radiology	22			
- Pediatric Radiology	44			
- Vascular and Interventional Radiology	94	4	4.3%	4.7%
- Sleep Medicine	61	1	1.6%	1.2%
Surgery	251			
- Hand Surgery	1			
- Pediatric Surgery	35			
- Surgical Critical Care	89			
- Vascular Surgery	96			
- Vascular surgery - Integrated	6			
Thoracic surgery	81	2	2.5%	2.3%
- Congenital Cardiac Surgery	3		•	· .
Urology	119	1	0.8%	1.2%
- Pediatric Urology	22		•	· ·
Transitional year	127	5	3.9%	5.8%
Internal Medicine/Pediatrics	81	1	1.2%	1.2%

### Number and Percentage of Program Director Changes, by Specialty Type



Note: A distinction is made between the number of programs with at least one change and the number of distinct changes (i.e. a program may register more than one change).

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Total Programs with at least One PD Change = 1,027 Total Distinct Changes = 1,062

Specialty		% of Specialty	% of New PD Progs	# of Progs with New Directors	# of Distinct Changes
	Allergy and immunology	16.9%	1.2%	12	13
	Anesthesiology	16.0%	2.0%	21	22
	- Adult Cardiothoracic Anesthesiology	6.1%	0.2%	2	2
	- Critical Care Medicine	10.0%	0.5%	5	5
	<ul> <li>Pediatric Anesthesiology</li> </ul>	17.8%	0.8%	8	8
	Colon and rectal surgery	17.8%	0.8%	8	8
	Dermatology	10.0%	1.1%	11	12
	<ul> <li>Dermatopathology</li> </ul>	10.4%	0.5%	5	5
	<ul> <li>Procedural Dermatology</li> </ul>	<b>2.9</b> %	0.1%	1	1
	Emergency medicine	13.8%	1.9%	20	20
	- Medical Toxicology	8.3%	0.2%	2	2
	<ul> <li>Pediatric Emergency Medicine</li> </ul>	23.5%	0.4%	4	4
	Family medicine	14.5%	6.5%	67	70
	– Geriatric Medicine	7.7%	0.3%	3	з
	– Sports Medicine	10.3%	1.0%	10	10
	Internal medicine	12.7%	4.8%	49	50
	– Cardiovascular Disease	10.2%	1.8%	18	18
	<ul> <li>Clinical Cardiac Electrophysiology</li> </ul>	10.5%	1.0%	10	10
	<ul> <li>Critical Care Medicine</li> </ul>	13.3%	0.4%	4	4
	<ul> <li>Endocrinology, Diabetes, and Metabolism</li> </ul>	7.4%	0.9%	9	9
	- Gastroenterology	17.4%	2.6%	27	29
	– Geriatric Medicine	8.8%	0.9%	9	9
	– Hematology	11.1%	0.1%	1	1
	<ul> <li>Hematology and Oncology</li> </ul>	4.7%	0.6%	6	7
	<ul> <li>Infectious Disease</li> </ul>	6.3%	0.9%	9	9
	Interventional Cardiology	11.5%	1.5%	15	<b>16</b>

Total Programs with at least One PD Change = 1,027 Total Distinct Changes = 1,062 ...continued

Specialty		% of Specialty	% of New PD Progs	# of Progs with New Directors	# of Distinct Changes
.,,	- Nephrology	11.5%	1.6%	16	16
	— Oncology	11.8%	0.2%	2	2
	– Pulmonary Disease	12.0%	0.3%	з	З
	<ul> <li>Pulmonary Disease and Critical Care Medici</li> </ul>	15.4%	1.9%	20	20
	– Rheumatology	11.0%	1.2%	12	12
	— Transplant hepatology	23.8%	0.5%	5	5
	Medical genetics	8.3%	0.4%	4	4
	– Molecular Genetic Pathology	8.7%	0.2%	2	2
	Neurological surgery	11.3%	1.1%	11	11
	Neurology	<b>13</b> .1%	1.6%	16	16
	- Child Neurology	10.4%	0.7%	7	7
	– Clinical Neurophysiology	<b>10</b> . 1%	<b>0.9</b> %	9	9
	– Neurodevelopmental Disabilities	14.3%	0.1%	1	1
	– Vascular Neurology	13.6%	0.6%	6	6
	Nuclear medicine	10.5%	0.6%	6	6
	Obstetrics and gynecology	16.0%	3.9%	40	44
	Ophthalmology	15.3%	1.8%	18	20
	Orthopaedic surgery	17.0%	2.5%	26	28
	Adult Reconstructive Orthopaedics	5.0%	0.1%	1	1
	- Hand Surgery	7.1%	0.4%	4	4
	– Musculoskeletal Oncology	10.0%	0.1%	1	1
	- Orthopaedic Sports Medicine	1.3%	0.1%	1	1
	- Orthopaedic Surgery of the Spine	14.3%	0.2%	2	2

Total Programs with at least One PD Change = 1,027 Total Distinct Changes = 1,062 ...continued

Specialty		% of Specialty	% of New PD Progs	# of Progs with New Directors	# of Distinct Changes
	- Pediatric Orthopaedics	15.0%	0.3%	З	з
	Otolaryngology	14.6%	1.5%	15	17
	- Neurotology	6.3%	0.1%	1	1
	- Pain Medicine	15.2%	1.4%	14	14
	Pathology—anatomic and clinical	11.3%	1.7%	17	17
	- Blood Banking/Transfusion Medicine	6.5%	0.3%	З	З
	- Cytopathology	16.3%	1.4%	14	15
	- Forensic Pathology	15.8%	0.6%	6	7
	- Hematology	9.0%	0.7%	7	7
	- Medical Microbiology	15.4%	0.2%	2	2
	- Neuropathology	5.7%	0.2%	2	2
	- Pediatric Pathology	12.0%	0.3%	3	З
	<ul> <li>Selective Pathology</li> </ul>	8.8%	0.5%	5	5
	Pediatrics	14.1%	2.7%	28	29
	- Adolescent Medicine	19.2%	0.5%	5	5
	- Neonatal-Perinatal Medicine	13.4%	1.3%	13	16
	- Pediatric Cardiology	18.4%	0.9%	9	9
	- Pediatric Critical Care Medicine	<b>16</b> , 1%	1.0%	10	10
	Pediatric Emergency Medicine	15.2%	0.7%	7	7
	- Pediatric Endocrinology	7.4%	0.5%	5	5
	- Pediatric Gastroenterology	11.8%	0.6%	6	7
	- Pediatric Hematology/Oncology	14.1%	0.9%	9	9
	- Pediatric Infectious Diseases	14.8%	0.9%	9	9
	- Pediatric Nephrology	11.1%	0.4%	4	4
	- Pediatric Pulmonology	12.8%	0.6%	6	6
	– Pediatric Rheumatology	3.8%	0.1%	1	1
					1111

Total Programs with at least One PD Change = 1,027 Total Distinct Changes = 1,062 ...continued

Specialty		% of Specialty	% of New PD Progs	# of Progs with New Directors	# of Distinct Changes
	- Developmental-Behavioral Pediatrics	6.1%	0.2%	2	2
	Physical medicine and rehabilitation	10.1%	0.8%	8	8
	<ul> <li>Pediatric Rehabilitation</li> </ul>	8.3%	0.1%	1	1
	<ul> <li>Spinal Cord Injury Medicine</li> </ul>	15.0%	0.3%	З	З
	Plastic surgery	8.0%	0.7%	7	7
	- Craniofacial Surgery	50.0%	0.2%	2	2
	- Hand Surgery	7.7%	0.1%	1	1
	Preventive medicine	8.2%	0.6%	6	6
	- Undersea and Hyperbaric Medicine	100.0%	0,1%	1	
	Psychiatry	17.1%	3.0%	31	34
	<ul> <li>Addiction Psychiatry</li> </ul>	4.9%	0.2%	2	2
	<ul> <li>Child and Adolescent Psychiatry</li> </ul>	9.1%	1.1%	11	11
	– Forensic Psychiatry	9.8%	0.4%	4	4
	– Geriatric Psychiatry	8.3%	0.5%	5	6
	<ul> <li>Psychosomatic Medicine</li> </ul>	11.1%	0.4%	4	4
	Radiation oncology	15.0%	1.2%	12	12
	Radiology—diagnostic	17.1%	3.1%	32	33
	— Abdominal Radiology	8.3%	0.1%	1	1
	– Neuroradiology	10.5%	0.9%	9	9
	– Nuclear Radiology	9.1%	0.2%	2	2
	– Pediatric Radiology	11.4%	0.5%	5	5
	- Vascular and Interventional Radiology	19.1%	1.8%	18	18
	– Sleep Medicine	6.6%	0.4%	4	4
	Surgery	11.2%	2.7%	28	30
	– Pediatric Surgery	8.6%	0.3%	з	З
	– Surgical Critical Care	10.1%	0.9%	9	9
	– Vascular Surgery	10.4%	1.0%	10	10
	— Vascular surgery — Integrated	16.7%	0.1%	1	1
	Thoracic surgery	9.9%	0.8%	8	8
	Urology	12.6%	1.5%	15	15
	– Pediatric Urology	18.2%	0.4%	4	4
	Transitional year	10.2%	1.3%	13	13
	Internal Medicine/Pediatrics	14.8%	1.2%	12	12

# Experience of New Program Directors (Years Teaching in Specialty), by Specialty Type



# Average Length in Years Between Program Director Appointment Dates, by Core Specialty

Overall Core Mean = 7.0



Notes: Based upon Program Director Turnovers Since 2001

# Number of Hours per Week Spent by Program Directors in Key Areas, by Core Specialty

**Core Specialty** Allergy and immunology Anesthesiology Colon and rectal surgery **Emergency medicine** Family medicine Internal Medicine/Pediatrics Internal medicine Neurological surgery Neurology Nuclear medicine Obstetrics and gynecology Ophthalmology Otolaryngology **Pediatrics** Physical medicine and rehab Plastic surgery Preventive medicine Psychiatry Radiation oncology Radiology-diagnostic Surgery Thoracic surgery Transitional year Urology

Activity



Teaching

Research



### Section Definitions

<u>Fellow</u>: A physician in a program of graduate medical education accredited by the ACGME who has completed the requirements for eligibility for first board certification in the specialty. Such physicians are also termed subspecialty residents. Note that references to "residents" in this data book may include fellows by default for convenience.

International Medical Graduate (IMG): A graduate from a medical school outside the United States and Canada (and not accredited by the Liaison Committee on Medical Education (LCME). IMGs may be citizens of the United States who chose to be educated elsewhere or non-citizens who were admitted to the United States by US Immigration authorities. All IMGs should undertake residency education in the United States before they can obtain a license to practice medicine in the United States even if they were fully educated, licensed, and practicing in another country.

<u>Graduate Year 1 (GY1) Positions</u>: Refers to postgraduate year 1 positions available immediately following medical school.

<u>Program Year</u>: Refers to the current year of education within a specific program; this designation may or may not correspond to the resident's graduate year level.

### **Chapter Highlights**

The total number of residents and fellows on duty in **8,490** accredited programs was **107,851**, or 1,468 more (+1.38%) than the previous year.

#### Medical School Training

- The majority of all residents graduated from U.S. medical schools (66%). The percentage of international medical school graduates on duty in accredited programs was 27%, the same as the previous year.
- Nuclear medicine was the core program with the highest percentage (55%) of international medical school graduates followed by medical genetics (50%). Orthopaedic surgery had the lowest percentage (2%).
- Six percent (6%) of all residents in ACGME accredited programs are osteopathic physicians (i.e. graduate of an osteopathic medical school).
- A total of 25,626 residents were in the pipeline (entry level), graduate year one positions (available immediately upon medical school graduation).

#### **Demographics**

- The core programs with the largest percentage of women residents were obstetrics and gynecology (74%), pediatrics (61%), and dermatology (60%).
- Comparatively few women were in the specialties of neurological surgery (11%), orthopaedic surgery (11%), and thoracic surgery (11%).
- The number of women in graduate medical education continued to grow, and totaled 43,695 (41% of all residents, 40% in the last academic year).
- Geographically, New York, Pennsylvania, Main, Connecticut, Rhode Island and Massachusetts lead the nation (not including D.C.) in the number of residents per 100,000 in the population. Parts of the upper Great Plains and Mountain States have the fewest residents (i.e. ID, MT, and WY).

#### Residency

- While over half of all programs are subspecialties (4,498) only 16% of residents are in subspecialty training.
- Internal medicine was the core program with the largest proportion of residents on duty (24.9%), with an average program size of 58.5 residents.
- More than half of all core specialty residents are in internal medicine (24.6%), family medicine (10.6%), pediatrics (9.0%), and surgery (8.2%).
- A total of 317 residents were on duty in part-time positions.
- A total of 37,476 residents completed a residency program.
- The number of residents who transferred to another program (1,635) decreased from last year (1,992). The number of residents who were dismissed from a program (294) was stable from last year (293). The number of residents who withdrew from a program (1,043) decreased from last year (1,085).

# Number of Residents in Core and Subspecialty Programs, by Medical School Type

Total Number of Residents=107,851



# Number of Residents, by Medical School Type and Specialty

					Medical	School	Туре				
	Med	adian lical 1001	Interna Mec Sch	lical	al Osteopathio Medical School				US Medical School Unknown		
Specialty	#	%	#	%	#	%	#	%	#	%	Number of Residents
OVERALL	359	0%	29,464	27%	6,942	6%	71,068	66%	18	0%	107,851
Allergy and immunology	1	0%	41	14%	12	4%	234	81%	0	0%	288
Anesthesiology	11	0%	726	14%	503	10%	3,978	76%	0	0%	5,218
- Adult Cardiothoracic Anesthesiology	1	1%	19	24%	11	14%	49	61%	0	0%	80
- Critical Care Medicine	0	0%	17	25%	5	7%	47	68%	0	0%	69
- Pediatric Anesthesiology	0	0%	32	25%	12	9%	86	66%	0	0%	130
Colon and rectal surgery	2	3%	18	23%	2	3%	57	72%	0	0%	79
Dermatology	3	0%	39	4%	13	1%	1,055	95%	0	0%	1,110
- Dermatopathology	1	1%	11	15%	4	5%	58	78%	0	0%	74
- Procedural Dermatology	1	3%	1	3%	1	3%	30	91%	0	0%	33
Emergency medicine	9	0%	258	6%	408	9%	3,871	85%	0	0%	4,546
- Medical Toxicology	1	2%	5	10%	9	19%	33	69%	0	0%	48
- Pediatric Emergency Medicine	1	2%	10	20%	7	14%	32	64%	0	0%	50
- Sports Medicine	0	0%	1	20%	1	20%	3	60%	0	0%	5
- Undersea and Hyperbaric Medicine	0	0%	0	0%	2	50%	2	50%	0	0%	4
Family medicine	15	0%	3,919	41%	1,370	14%	4,317	45%	1	0%	9,622
- Geriatric Medicine	1	2%	41	67%	4	7%	15	25%	0	0%	61
- Sports Medicine	0	0%	21	14%	19	13%	107	73%	0	0%	147
Internal medicine	51	0%	9,949	45%	1,220	5%	11,063	50%	1	0%	22,284
- Cardiovascular Disease	7	0%	721	31%	80	3%	1,541	66%	2	0%	2,351
- Clinical Cardiac Electrophysiology	2	1%	60	36%	5	3%	99	60%	0	0%	166
- Critical Care Medicine	0	0%	97	61%	14	9%	49	31%	0	0%	160
- Endocrinology, Diabetes, and Metabolism	2	0%	184	35%	35	7%	308	58%	1	0%	530
- Gastroenterology	5	0%	351	27%	61	5%	877	68%	1	0%	1,295
- Geriatric Medicine	1	0%	195	69%	6	2%	80	28%	1	0%	283
- Hematology	0	0%	16	36%	2	4%	26	58%	1	2%	45
<ul> <li>Hematology and Oncology</li> </ul>	8	1%	497	38%	44	3%	769	58%	0	0%	1,318
- Infectious Disease	0	0%	288	42%	34	5%	359	53%	0	0%	681
- Interventional Cardiology	1	0%	113	40%	10	4%	161	56%	0	0%	285
- Nephrology	11	1%	407	49%	59	7%	360	43%	0	0%	837
- Oncology	0	0%	69	52%	8	6%	56	42%	0	0%	133
- Pulmonary Disease	1	1%	68	84%	1	1%	11	14%	0	0%	81
- Pulmonary Disease and Critical Care Medicine	6	0%	528	42%	74	6%	639	51%	0	0%	1,247
- Rheumatology	2	1%	136	35%	29	7%	224	57%	0	0%	391
- Transplant hepatology	0	0%	10	50%	0	0%	10	50%	0	0%	20
Medical genetics	1	1%	39	50%	1	1%	37	47%	0	0%	78
- Molecular Genetic Pathology	1	5%	7	32%	1	5%	13	59%	0	0%	22
Neurological surgery	4	0%	103	12%	1	0%	735	87%	0	0%	843
- Endovascular surgical neuroradiology	0	0%	0	0%	0	0%	2	100%	0	0%	2
Neurology	9	1%	624	36%	98	6%	990	58%	0	0%	1,721
- Child Neurology	3	1%	79	30%	13	5%	171	64%	0	0%	266
- Clinical Neurophysiology	4	2%	71	34%	19	9%	116	55%	0	0%	210

# Number of Residents, by Medical School Type and Specialty

				contir	nued						
					Medical	School	Туре				
	Mec	adian lical 1001	Mec	ational lical 1001	Med	pathic dical hool	LCME-A	IS ccredited I School	Sch	edical nool nown	
Specialty	#	%	#	%	#	%	#	%	#	%	Number of Residents
- Neuromuscular Medicine	1	5%	6	32%	2	11%	10	53%	0	0%	19
- Neurodevelopmental Disabilities	0	0%	0	0%	0	0%	12	100%	0	0%	12
- Vascular Neurology	1	3%	16	44%	0	0%	19	53%	0	0%	36
Nuclear medicine	1	1%	89	55%	4	2%	67	42%	0	0%	161
Obstetrics and gynecology	10	0%	1,021	21%	373	8%	3,408	71%	1	0%	4,813
Ophthalmology	8	1%	103	8%	18	1%	1,243	91%	0	0%	1,372
Orthopaedic surgery	1	0%	78	2%	28	1%	3,152	97%	0	0%	3,259
- Adult Reconstructive Orthopaedics	3	8%	10	27%	1	3%	23	62%	0	0%	37
- Foot and Ankle Orthopaedics	0	0%	7	41%	0	0%	10	59%	0	0%	17
- Hand Surgery	1	1%	9	8%	11	9%	96	82%	0	0%	117
- Musculoskeletal Oncology	1	7%	2	13%	0	0%	12	80%	0	0%	15
- Orthopaedic Sports Medicine	4	2%	3	2%	13	8%	151	88%	0	0%	171
- Orthopaedic Surgery of the Spine	1	4%	6	24%	0	0%	18	72%	0	0%	25
- Orthopaedic Trauma	0	0%	5	36%	1	7%	8	57%	0	0%	14
- Pediatric Orthopaedics	1	4%	8	31%	0	0%	17	65%	0	0%	26
Otolaryngology	5	0%	49	4%	10	1%	1,316	95%	0	0%	1,380
- Neurotology	2	9%	1	4%	0	0%	20	87%	0	0%	23
- Pediatric Otolaryngology	2	15%	1	8%	0	0%	10	77%	0	0%	13
- Pain Medicine	1	0%	62	22%	27	10%	187	68%	0	0%	277
Pathology-anatomic and clinical	3	0%	680	29%	123	5%	1,505	65%	1	0%	2,312
- Blood Banking/Transfusion Medicine	0	0%	15	38%	3	8%	22	55%	0	0%	40
- Chemical Pathology	0	0%	1	50%	1	50%	0	0%	0	0%	2
- Cytopathology	0	0%	72	55%	6	5%	54	41%	0	0%	132
- Forensic Pathology	2	6%	5	16%	4	13%	20	65%	0	0%	31
- Hematology	3	3%	41	34%	5	4%	71	59%	0	0%	120
- Medical Microbiology	0	0%	1	33%	0	0%	2	67%	0	0%	3
- Neuropathology	0	0%	18	46%	0	0%	21	54%	0	0%	39
- Pediatric Pathology	0	0%	12	48%	2	8%	11	44%	0	0%	25
- Selective Pathology	3	2%	50	39%	7	5%	68	53%	1	1%	129
Pediatrics	29	0%	1,966	24%	597	7%	5,551	68%	2	0%	8,145
- Adolescent Medicine	0	0%	7	12%	3	5%	49	83%	0	0%	59
- Neonatal-Perinatal Medicine	1	0%	223	39%	39	7%	308	54%	0	0%	571
- Pediatric Cardiology	2	1%	75	25%	5	2%	222	73%	0	0%	304
- Pediatric Critical Care Medicine	3	1%	82	24%	22	6%	241	69%	0	0%	348
- Pediatric Emergency Medicine	4	2%	36	14%	12	5%	214	80%	0	0%	266
- Pediatric Endocrinology	1	0%	73	34%	10	5%	130	60%	2	1%	216
- Pediatric Gastroenterology	0	0%	60	28%	13	6%	143	66%	0	0%	216
- Pediatric Hematology/Oncology	3	1%	80	23%	16	5%	255	72%	0	0%	354
- Pediatric Infectious Diseases	2	1%	56	34%	3	2%	102	63%	0	0%	163
- Pediatric Nephrology	1	1%	34	33%	4	4%	64	62%	0	0%	103
- Pediatric Pulmonology	1	1%	50	38%	7	5%	72	55%	0	0%	130

# Number of Residents, by Medical School Type and Specialty

				contin	ued						
					Medica	School	Туре				
	Med	adian dical hool	Mec	ational lical 1001	Me	pathic dical hool	LCME-A	S ccredited School	Scl	edical nool nown	
Specialty	#	%	#	%	#	%	#	%	#	%	Number of Residents
- Pediatric Rheumatology	1	2%	16	24%	2	3%	47	71%	0	0%	66
- Pediatric Sports Medicine	0	0%	0	0%	2	20%	8	80%	0	0%	10
- Developmental-Behavioral Pediatrics	0	0%	9	13%	9	13%	51	74%	0	0%	69
Physical medicine and rehabilitation	4	0%	193	16%	308	26%	694	58%	0	0%	1,199
- Pediatric Rehabilitation	0	0%	1	9%	1	9%	9	82%	0	0%	11
- Spinal Cord Injury Medicine	0	0%	6	40%	1	7%	8	53%	0	0%	15
Plastic surgery	4	1%	36	6%	2	0%	599	93%	0	0%	641
- Craniofacial Surgery	0	0%	0	0%	0	0%	2	100%	0	0%	2
- Hand Surgery	2	13%	2	13%	1	6%	11	69%	0	0%	16
Preventive medicine	6	2%	51	17%	26	8%	224	73%	0	0%	307
- Medical Toxicology	0	0%	0	0%	1	25%	3	75%	0	0%	4
- Undersea and Hyperbaric Medicine	0	0%	0	0%	0	0%	1	100%	0	0%	1
Psychiatry	21	0%	1,468	31%	364	8%	2,914	61%	2	0%	4,769
- Addiction Psychiatry	0	0%	22	44%	2	4%	26	52%	0	0%	50
- Child and Adolescent Psychiatry	1	0%	240	31%	47	6%	484	63%	0	0%	772
- Forensic Psychiatry	0	0%	15	21%	3	4%	54	75%	0	0%	72
- Geriatric Psychiatry	0	0%	45	56%	0	0%	35	44%	0	0%	80
- Psychosomatic Medicine	1	2%	20	42%	3	6%	24	50%	0	0%	48
Radiation oncology	1	0%	18	3%	7	1%	563	96%	0	0%	589
Radiology-diagnostic	12	0%	317	7%	158	4%	3,940	89%	0	0%	4,427
- Abdominal Radiology	0	0%	14	33%	2	5%	26	62%	0	0%	42
- Cardiothoracic Radiology	0	0%	1	50%	0	0%	1	50%	0	0%	2
- Endovascular surgical neuroradiology	2	33%	1	17%	0	0%	3	50%	0	0%	6
- Musculoskeletal Radiology	2	8%	2	8%	0	0%	22	85%	0	0%	26
- Neuroradiology	1	0%	36	16%	4	2%	179	81%	0	0%	220
- Nuclear Radiology	0	0%	3	25%	0	0%	9	75%	0	0%	12
- Pediatric Radiology	0	0%	20	37%	7	13%	27	50%	0	0%	54
- Vascular and Interventional Radiology	2	1%	36	21%	5	3%	128	75%	0	0%	171
- Sleep Medicine	1	1%	43	41%	9	8%	53	50%	0	0%	106
Surgery	18	0%	1,506	20%	211	3%	5,667	77%	1	0%	7,403
- Hand Surgery	0	0%	3	38%	0	0%	5	63%	0	0%	8
- Pediatric Surgery	1	2%	3	5%	0	0%	61	94%	0	0%	65
- Surgical Critical Care	3	2%	24	17%	9	6%	104	74%	0	0%	140
- Vascular Surgery	1	0%	48	22%	14	7%	152	71%	0	0%	215
- Vascular surgery - Integrated	0	0%	1	17%	0	0%	5	83%	0	0%	6
Thoracic surgery	3	1%	59	24%	4	2%	178	73%	0	0%	244
- Congenital Cardiac Surgery	0	0%	0	0%	0	0%	1	100%	0	0%	1
Urology	1	0%	45	5%	11	1%	941	94%	0	0%	998
- Pediatric Urology	0	0%	4	18%	0	0%	18	82%	0	0%	22
Transitional year	2	0%	4	8%	77	6%	1,076	82%	0	0%	1,255
Internal Medicine/Pediatrics	2	0%	172	12%	84	6%	1,078	80%	0	0%	1,255

## Core Specialties with Largest Percentages of International Medical Graduate (IMG) Residents



**Percent IMG** 

### Number of Osteopathic Residents (Determined by Medical School Type), by State

State         Number of All         Programs v Osteopath           State Name         Abbreviation         Programs		Number of Programs with Osteopathic Residents	Percent of Programs with Osteopathic Residents	Number of All Residents	Number of Osteopathic Residents	Percent of Osteopathic Residents	
OVERALL		8,490	2,384	28%	107,851	6,942	6%
Alabama	AL	103	17	17%	1,224	36	3%
Alaska	AK	1	1	100%	33	5	15%
Arizona	AZ	103	41	40%	1,261	174	14%
Arkansas	AR	62	13	21%	695	29	4%
California	CA	723	200	28%	9,537	561	6%
Colorado	CO	91	29	32%	1,109	69	6%
Connecticut	СТ	158	44	28%	1,979	100	5%
Delaware	DE	25	12	48%	295	54	18%
District of Columbia	DC	158	43	27%	1,841	77	4%
Florida	FL	273	69	25%	3,158	183	6%
Georgia	GA	159	36	23%	2,032	96	5%
Hawaii	HI	30	15	50%	424	56	13%
Idaho	ID	4	3	75%	48	10	21%
Illinois	IL	412	121	29%	5,798	416	7%
Indiana	IN	98	32	33%	1,260	84	7%
Iowa	IA	79	24	30%	803	111	14%
Kansas	KS	56	19	34%	671	65	10%
Kentucky	KY	94	23	24%	1,075	50	5%
Louisiana	LA	139	20	14%	1,568	31	2%
Maine	ME	21	17	81%	293	71	24%
Maryland	MD	211	49	23%	2,650	144	5%
Massachusetts	MA	371	66	18%	5,088	169	3%
Michigan	MI	335	83	25%	4,446	261	6%
Minnesota	MN	166	42	25%	2,076	88	4%
Mississippi	MS	42	15	36%	472	32	7%
Missouri	MO	209	56	27%	2,479	216	9%
Montana	MT	200			19		070
Nebraska	NE	55	. 14	25%	623	50	8%
Nevada	NV	16	9	56%	240	27	11%
New Hampshire	NH	42	11	26%	359	31	9%
New Jersey	NJ	194	87	45%	2,725	229	8%
New Mexico	NM	52	11	21%	512	19	4%
New York	NY	1,090	295	27%	15,793	838	5%
North Carolina	NC	243	48	20%	2,811	108	4%
North Dakota	ND	7	1	14%	106	2	2%
Ohio	OH	425	145	34%	5,194	433	8%
Oklahoma	OK	425 65	24	34%	5,194 717	433	10%
Oregon	OR	67	24 22	37%	717	46	6%
Pennsylvania	PA	562	202	36%	7,145	699	10%
Pennsylvania Puerto Rico	PA PR	67		30%	7,145	033	10 %
Rhode Island	RI	58	· 11	. 19%	703	. 22	
South Carolina	SC	58 91	28	31%	1,064	58	3% 5%
South Carolina South Dakota	SC	91 7			1,064		
Tennessee	SD TN	169	5 37	71% 22%	2,046	21 76	21% 4%
Texas	TX	520	161	31%	6,823	502	7%
Utah	UT	66	16	24%	664	39	6%
Vermont	VT	34	6	18%	258	6	2%
Virginia	VA	189	55	29%	2,188	173	8%
Washington	WA	128	33	26%	1,603	115	7%
West Virginia	WV	60	23	38%	628	75	12%
Wisconsin	WI	156	48	31%	1,628	108	7%
Wyoming	WY	2	2	100%	36	6	17%

# Number of Osteopathic Residents (Determined by Medical School Type), by Specialty

Specialty	Num of Res	Num of Osteo	Perc of Res who are Osteo	Num of Res in Year 1	Num of Osteo in Year 1	Perc of Year 1 Res who are Osteo	Num of Res in GY1	Num of Osteo in GY1	Perc of GY1 Res who are Osteo
OVERALL	107,851	6,942	6%	39,473	2,579	7%	25,544	1,795	7%
Allergy and immunology	288	12	4%	142	7	5%			
Anesthesiology	5,218	503	10%	1,207	115	10%	547	43	8%
- Adult Cardiothoracic Anesthesiology	80	11	14%	80	11	14%			
- Critical Care Medicine	69	5	7%	69	5	7%			
- Pediatric Anesthesiology	130	12	9%	130	12	9%			
Colon and rectal surgery	79	2	3%	79	2	3%			
Dermatology	1,110	13	1%	352	5	1%	27	3	11%
- Dermatopathology	74	4	5%	74	4	5%			
- Procedural Dermatology	33	1	3%	33	1	3%			
Emergency medicine	4,546	408	9%	1,500	152	10%	1,387	140	10%
- Medical Toxicology	48	9	19%	26	2	8%			
Pediatric Emergency Medicine	50	7	14%	23	3	13%			
- Sports Medicine	5	1	20%	5	1	20%			
- Undersea and Hyperbaric Medicine	4	2	50%	4	2	50%			
Family medicine	9,622	1,370	14%	3,258	476	15%	3,258	476	15%
- Geriatric Medicine	61	4	7%	61	4	7%			
- Sports Medicine	147	19	13%	147	19	13%			
Internal medicine	22,284	1,220	5%	8,922	486	5%	8,922	486	5%
- Cardiovascular Disease	2,351	80	3%	809	30	4%	0,022		
- Clinical Cardiac Electrophysiology	166	5	3%	166	5	3%		-	
Critical Care Medicine	160	14	9%	102	8	8%			
- Endocrinology, Diabetes, and Metabolism	530	35	7%	260	15	6%			
- Gastroenterology	1,295	61	5%	443	22	5%			•
- Geriatric Medicine	283	6	2%	283	6	2%	•		
- Hematology	45	2	4%	28	1	4%	•	•	
- Hematology and Oncology	1,318	44	3%	464	18	4%	•	•	•
- Infectious Disease	681	34	5%	332	19	6%			
- Interventional Cardiology	285	10	4%	285	10	4%	•	•	•
- Nephrology	837	59	7%	423	31	7%	•	•	•
- Oncology	133	8	6%	63	4	6%	•	•	•
- Pulmonary Disease	81	1	1%	50	1	2%	•	•	•
<ul> <li>Pulmonary Disease and Critical Care Medicine</li> </ul>	1,247	74	6%	419	21	5%	•	•	•
- Rheumatology	391	29	7%	200	13	7%	•	•	
- Transplant hepatology	20	23	170	200			•	•	•
Medical genetics	78	· 1	1%	31	•	•	3	•	•
Molecular Genetic Pathology	22	1	5%	22	1	5%	5	•	•
Neurological surgery	843	1	0%	183			38	•	•
<ul> <li>Endovascular surgical neuroradiology</li> </ul>	2		070	2	•	•	50	•	•
Neurology	1,721	98	6%	2 528	29	5%	143	6	4%
- Child Neurology	266	13	5%	100	3	3%	145	0	7/0
- Onite Neurology	200	19	9%	210	19	9%	•	•	•
#### Number of Osteopathic Residents (Determined by Medical School Type), by Specialty

		COI	ntinued						
Specialty	Num of Res	Num of Osteo	Perc of Res who are Osteo	Num of Res in Year 1	Num of Osteo in Year 1	Perc of Year 1 Res who are Osteo	Num of Res in GY1	Num of Osteo in GY1	Perc of GY1 Res who are Osteo
- Neuromuscular Medicine	19	2	11%	19	2	11%			
- Neurodevelopmental Disabilities	12			6					
- Vascular Neurology	36			36					
Nuclear medicine	161	4	2%	93	2	2%			
Obstetrics and gynecology	4,813	373	8%	1,228	101	8%	1,228	101	8%
Ophthalmology	1,372	18	1%	461	9	2%			
Orthopaedic surgery	3,259	28	1%	662	4	1%	662	4	1%
- Adult Reconstructive Orthopaedics	37	1	3%	37	1	3%			
- Foot and Ankle Orthopaedics	17			17					
- Hand Surgery	117	11	9%	117	11	9%			
- Musculoskeletal Oncology	15			15					
- Orthopaedic Sports Medicine	171	13	8%	171	13	8%			
- Orthopaedic Surgery of the Spine	25	-		25					
- Orthopaedic Trauma	14	1	7%	14	1	7%			
- Pediatric Orthopaedics	26			26					
Otolaryngology	1,380	10	1%	290	1	0%	290	1	0%
- Neurotology	23	-		9					
- Pediatric Otolaryngology	13			13					
- Pain Medicine	277	27	10%	276	27	10%			
Pathology-anatomic and clinical	2,312	123	5%	619	37	6%	619	37	6%
- Blood Banking/Transfusion Medicine	40	3	8%	40	3	8%			
- Chemical Pathology	2	1	50%	2	1	50%			
- Cytopathology	132	6	5%	132	6	5%			
- Forensic Pathology	31	4	13%	31	4	13%			
- Hematology	120	5	4%	120	5	4%			
- Medical Microbiology	3			3					
- Neuropathology	39			23					
- Pediatric Pathology	25	2	8%	25	2	8%			
- Selective Pathology	129	7	5%	129	7	5%			
Pediatrics	8,145	597	7%	2,764	196	7%	2,764	196	7%
- Adolescent Medicine	59	3	5%	22	3	14%			
- Neonatal-Perinatal Medicine	571	39	7%	205	11	5%			
- Pediatric Cardiology	304	5	2%	107	2	2%			
- Pediatric Critical Care Medicine	348	22	6%	121	8	7%			
- Pediatric Emergency Medicine	266	12	5%	99	3	3%		•	
- Pediatric Endocrinology	216	10	5%	74	8	11%			
- Pediatric Gastroenterology	216	13	6%	76	5	7%			
- Pediatric Hematology/Oncology	354	16	5%	129	7	5%			
- Pediatric Infectious Diseases	163	3	2%	61					
- Pediatric Nephrology	103	4	4%	44	2	5%			
- Pediatric Pulmonology	130	7	5%	51	4	8%			

#### Number of Osteopathic Residents (Determined by Medical School Type), by Specialty

		con	tinued						
Specialty	Num of Res	Num of Osteo	Perc of Res who are Osteo	Num of Res in Year 1	Num of Osteo in Year 1	Perc of Year 1 Res who are Osteo	Num of Res in GY1	Num of Osteo in GY1	Perc of GY1 Res who are Osteo
- Pediatric Rheumatology	66	2	3%	19	1	5%			
- Pediatric Sports Medicine	10	2	20%	10	2	20%			
- Developmental-Behavioral Pediatrics	69	9	13%	22	4	18%			
Physical medicine and rehabilitation	1,199	308	26%	353	90	25%	69	9	13%
- Pediatric Rehabilitation	11	1	9%	6	1	17%			
- Spinal Cord Injury Medicine	15	1	7%	15	1	7%			
Plastic surgery	641	2	0%	202	1	0%	71		
- Craniofacial Surgery	2	-		2					
- Hand Surgery	16	1	6%	16	1	6%			
Preventive medicine	307	26	8%	162	16	10%	6		
- Medical Toxicology	4	1	25%	2					
- Undersea and Hyperbaric Medicine	1		•	1					
Psychiatry	4,769	364	8%	1,259	106	8%	1,259	106	8%
- Addiction Psychiatry	50	2	4%	49	2	4%			
- Child and Adolescent Psychiatry	772	47	6%	397	30	8%			
- Forensic Psychiatry	72	3	4%	72	3	4%			
- Geriatric Psychiatry	80	-		80	-				
- Psychosomatic Medicine	48	3	6%	48	3	6%			
Radiation oncology	589	7	1%	139	2	1%			
Radiology-diagnostic	4,427	158	4%	1,119	31	3%			
- Abdominal Radiology	42	2	5%	42	2	5%			
- Cardiothoracic Radiology	2			2					
- Endovascular surgical neuroradiology	6			6					
- Musculoskeletal Radiology	26	-		26					
- Neuroradiology	220	4	2%	220	4	2%			
- Nuclear Radiology	12	•		12					
- Pediatric Radiology	54	7	13%	54	7	13%			•
- Vascular and Interventional Radiology	171	5	3%	171	5	3%			
- Sleep Medicine	106	9	8%	106	9	8%		•	•
Surgery	7,403	211	3%	2,617	82	3%	2,617	82	3%
- Hand Surgery	8			8					
- Pediatric Surgery	65			36					
- Surgical Critical Care	140	9	6%	140	9	6%			
- Vascular Surgery	215	14	7%	121	9	7%			
- Vascular surgery - Integrated	6			5			5	•	
Thoracic surgery	244	4	2%	101	1	1%			
- Congenital Cardiac Surgery	1			1					
Urology	998	11	1%	254	3	1%			
- Pediatric Urology	22			22					
Transitional year	1,255	77	6%	1,255	77	6%	1,255	77	6%
Internal Medicine/Pediatrics	1,399	84	6%	374	28	7%	374	28	7%

## Number of Residents, by Specialty and Resident Year

							Reside	nt Year					
			1	2	2	3	3	4	4	5		6	
		Positio	n Type	Positic	on Type	Positio	on Type						
		Cat	Prel	Cat	Prel	Cat	Prel	Cat		Cat		Cat	
Specialty	Number of Res	#	#	#	#	#	#	#		#		#	
OVERALL	107,851	36,012	3,461	30,471	447	27,146	110	8,009		2,150		45	
Allergy and immunology	288	142		146				· .		· .	· .		· .
Anesthesiology	5,218	1,207		1,598		1,550		863			· .		· .
- Adult Cardiothoracic Anesthesiology	80	80									<u> </u>		
- Critical Care Medicine	69	69									<u> </u>		
- Pediatric Anesthesiology	130	130									<u> </u>		<u> </u>
Colon and rectal surgery	79	79									<u> </u>		
Dermatology	1,110	352		370		372		16					
- Dermatopathology	74	74											
- Procedural Dermatology	33	33											
Emergency medicine	4,546	1,500		1,474		1,377		195					
- Medical Toxicology	48	26	•	22		1,011		100	•			•	•
Pediatric Emergency Medicine	50	23	•	26		1							
- Sports Medicine	5	5	•	20	•					•		•	•
- Undersea and Hyperbaric Medicine	4	4	•	•	•	·	•	•		•	·	•	
Family medicine	9,622	3,258	•	3,241	•	3,123	•	·	-	·	·	•	
- Geriatric Medicine	61	61	•	0,241	•	0,120	•	•	•	•	· ·	•	· ·
- Sports Medicine	147	147	·	•	•	•	•	·	•	· ·	·	•	· ·
Internal medicine	22,284	6,995	1,927	6,732	48	6,543	39	·	•	•	·	•	· ·
- Cardiovascular Disease	2,351	809	1,927	801	40	741		•	•	•	•	•	•
- Clinical Cardiac Electrophysiology	166	166	•	001	•	741	•	•	•	•	· ·	•	•
Critical Care Medicine	160	100	•	58	·	·	•	·	•	•	·	•	· ·
- Endocrinology, Diabetes, and	530	260	•	270	•	•	•	•	•	•	· ·	•	•
			•		-		•	•	-	•	· ·	•	•
- Gastroenterology	1,295	443	•	431	•	421	•	·		· ·	· ·	•	· ·
- Geriatric Medicine	283	283	•		•	•	•	·	•	· ·	· ·	•	· ·
- Hematology	45	28	•	17	•		•	·	•	•	•	•	· ·
- Hematology and Oncology	1,318	464	•	444	•	410	•	·	•	•	•	•	•
- Infectious Disease	681	332	•	349	•	•	•	· ·	•	•	•	•	· ·
- Interventional Cardiology	285	285	•	•	•	•	•	·	•	•	•	•	•
- Nephrology	837	423	•	414	•	•	•	•		•	· ·	•	•
- Oncology	133	63		70				· ·		•	· ·		· ·
- Pulmonary Disease	81	50		31				· ·		· ·	· ·		· ·
- Pulmonary Disease and Critical Care	1,247	419		434		394		· ·		· ·	· ·		· ·
- Rheumatology	391	200		191				·		·	· ·		· ·
- Transplant hepatology	20	20	•	•	•	•	•	•	•	•	•	•	•
Medical genetics	78	31		37		4	•	6		•	· ·		· ·
- Molecular Genetic Pathology	22	22		-					-		· ·		•
Neurological surgery	843	183		178		160		153		169	· ·		
- Endovascular surgical neuroradiology	2	2		-					-				
Neurology	1,721	528		547		521		125	-				
- Child Neurology	266	100	-	81	-	85		-	-	-	-		-
- Clinical Neurophysiology	210	210											

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#### ACGME Data Resource Book Academic Year 2007-2008

## Number of Residents, by Specialty and Resident Year

			cont	inued									
						Reside	nt Year						
		1		2		3		4		5		6	
	Positio	on Type	Positio	on Type	Positio	n Type	Positio	n Type	Positio	on Type	Positio	on Type	
							Cat		Cat		Cat		
Number of Res	#	#	#	#	#	#	#		#		#		
19	19												
12	6		3		1		2						
36	36												
	93		64		4								
4,813	1,202	26	1,184	4	1,184	4							
	461		458		453								
	662		679		660		639		619				
	37						<u> </u>						
	17												
117	117						<u> </u>						
15	15												
171	171												
25	25						<u> </u>						
14	14						<u> </u>						
26	26						<u> </u>						
1,380	290		276		284		271		259				
23	9		14				<u> </u>						
13	13						<u> </u>						
277	276						1						
2.312	619		613		589		491						
40	40												
							<u> </u>						
-													
39	23		16										
25													
	51		42		37								
	of Res           19           12           36           161           4,813           1,372           3,259           37           17           117           15           171           25           14           26           1,380           23           13           277           2,312           40           2           132           31           120           3	Position           Position           Rumber of Res         Position           Number of Res         #           19         19           19         19           12         6           36         36           161         93           4,813         1,202           1,372         461           3,259         662           3,7         37           1,7         117           117         117           15         15           171         171           15         25           14         14           26         26           1,380         290           23         9           13         13           277         276           2,312         619           40         40           2         2           132         132           31         31           320         25           120         120           33         3           34         2,711           59         2,216	Number of Res         #         #           19         19         .           12         6         .           36         36         .           161         93         .           4,813         1,202         26           1,372         461         .           3,259         662         .           37         37         .           17         17         .           117         117         .           117         171         .           15         15         .           171         171         .           25         25         .           14         14         .           26         26         .           1,380         290         .           23         9         .           13         13         .           216         619         .           231         31         .           240         40         .           2         2         .           313         .         .           32         . <t< td=""><td>Image: second second</td><td>Positi&lt;PositiPositiVeriePositiPreiCatPreiCatPreiNumber of Res###1919126.33636112612636361126126363611261331,202261,1844,8131,202266793,259662.67937371717171117151517117117117117117117117117117117117119025131131321321331313431135120136311373113813931130120131.</td><td>Image: Problem         Position         Position         Position         Position           Cat         Prel         Cat         Prel         Cat         Prel         Cat           Number of Res         #         #         #         #         #         #         #         #           19         19         .         .         .         .         .           12         6         .         3         .         1         .           161         93         .         64         .         4         4           131         1.202         26         1.184         4         1.184           1,372         461         .         453         .         453           3,259         662         .         679         .         .           1,37         1.         .         .         .         .           1,17         1.7         .         .         .         .           1117         117         .         .         .         .           133         15         .         .         .         .           14         14         .</td><td><th< td=""><td><th< td=""><td><th< td=""><td><th< td=""><td><th c<="" td=""><td><th< td=""></th<></td></th></td></th<></td></th<></td></th<></td></th<></td></t<>	Image: second	Positi<PositiPositiVeriePositiPreiCatPreiCatPreiNumber of Res###1919126.33636112612636361126126363611261331,202261,1844,8131,202266793,259662.67937371717171117151517117117117117117117117117117117117119025131131321321331313431135120136311373113813931130120131.	Image: Problem         Position         Position         Position         Position           Cat         Prel         Cat         Prel         Cat         Prel         Cat           Number of Res         #         #         #         #         #         #         #         #           19         19         .         .         .         .         .           12         6         .         3         .         1         .           161         93         .         64         .         4         4           131         1.202         26         1.184         4         1.184           1,372         461         .         453         .         453           3,259         662         .         679         .         .           1,37         1.         .         .         .         .           1,17         1.7         .         .         .         .           1117         117         .         .         .         .           133         15         .         .         .         .           14         14         .	<th< td=""><td><th< td=""><td><th< td=""><td><th< td=""><td><th c<="" td=""><td><th< td=""></th<></td></th></td></th<></td></th<></td></th<></td></th<>	<th< td=""><td><th< td=""><td><th< td=""><td><th c<="" td=""><td><th< td=""></th<></td></th></td></th<></td></th<></td></th<>	<th< td=""><td><th< td=""><td><th c<="" td=""><td><th< td=""></th<></td></th></td></th<></td></th<>	<th< td=""><td><th c<="" td=""><td><th< td=""></th<></td></th></td></th<>	<th c<="" td=""><td><th< td=""></th<></td></th>	<td><th< td=""></th<></td>	<th< td=""></th<>

#### ACGME Data Resource Book Academic Year 2007-2008

## Number of Residents, by Specialty and Resident Year

				cont	inued								
							Reside	nt Year					
			1	:	2	:	3	4	Ļ	5		6	
		Positio	n Type	Positio	on Type	Positio	n Type	Positio	n Type	Positio	n Type	Positio	on Type
		Cat	Prel	Cat	Prel	Cat	Prel	Cat		Cat		Cat	
Specialty	Number of Res	#	#	#	#	#	#	#		#		#	
- Pediatric Rheumatology	66	19		25		22	-			-		-	
- Pediatric Sports Medicine	10	10											
- Developmental-Behavioral Pediatrics	69	22		22		25		-		-			-
Physical medicine and rehabilitation	1,199	353		375		363		108	•				-
- Pediatric Rehabilitation	11	6		5			-					-	-
- Spinal Cord Injury Medicine	15	15		-	-				-	-			-
Plastic surgery	641	202		188		84		60		62		45	-
- Craniofacial Surgery	2	2		-									
- Hand Surgery	16	16											
Preventive medicine	307	162		141		4							
- Medical Toxicology	4	2		2	-	· .							
- Undersea and Hyperbaric Medicine	1	1				· .							
Psychiatry	4,769	1,259		1,302	-	1,263		945		-			-
- Addiction Psychiatry	50	49		1		· .							-
- Child and Adolescent Psychiatry	772	397		375	-	· ·							-
- Forensic Psychiatry	72	72				· .							-
- Geriatric Psychiatry	80	80											-
- Psychosomatic Medicine	48	48											-
Radiation oncology	589	139		157		145		148					-
Radiology-diagnostic	4,427	1,119		1,103		1,104		1,101					
- Abdominal Radiology	42	42				· .							-
- Cardiothoracic Radiology	2	2											
- Endovascular surgical neuroradiology	6	6				· .	- -					- -	-
- Musculoskeletal Radiology	26	26				<u> </u>							
- Neuroradiology	220	220				<u> </u>							-
- Nuclear Radiology	12	12											
- Pediatric Radiology	54	54				<u> </u>							
- Vascular and Interventional Radiology	171	171				<u> </u>							
- Sleep Medicine	106	106											
Surgery	7,403	1,162	1,455	1,096	387	1,101	65	1,099		1,038			
- Hand Surgery	8	8											
- Pediatric Surgery	65	36		29		<u> </u>							
- Surgical Critical Care	140	140				<u> </u>							
- Vascular Surgery	215	121		94		· .				-			
- Vascular surgery - Integrated	6	5		1									
Thoracic surgery	244	101		115		28			-				
- Congenital Cardiac Surgery	1	1							-				
Urology	998	254		251		249		241		3			
- Pediatric Urology	22	22											
Transitional year	1,255	1,255											
Internal Medicine/Pediatrics	1,399	374		353		336		336					

#### Number of Residents in Pipeline (Entry Level) Positions, by Specialty

Specialty	Total Residents in Entry Level Specialties	Total Programs in Entry Level Specialties	Residents in GY1 Positions	Residents in GY1 Positions with No Prior GME	Year 1 Preliminary Positions	Residents in Program Year 2 Positions
OVERALL	87,841	3,541	25,626	23,252	3,461	25,274
Anesthesiology	5,218	131	577	454	-	1,598
Dermatology	1,110	108	5	1	-	370
Emergency medicine	4,546	138	1,387	1,178		1,474
Family medicine	9,622	460	3,258	2,927	-	3,241
Internal medicine	22,284	381	8,922	8,115	1,927	6,780
Medical genetics	78	32	3	1		37
Neurological surgery	843	97	-			178
Neurology	1,721	121	131	111		547
Nuclear medicine	161	54				64
Obstetrics and gynecology	4,813	248	1,228	1,162	26	1,188
Ophthalmology	1,372	116				458
Orthopaedic surgery	3,259	151	662	615		679
Otolaryngology	1,380	103	290	270		276
Pathology-anatomic and clinical	2,312	150	619	508		613
Pediatrics	8,145	197	2,764	2,569	53	2,692
Physical medicine and rehabilitation	1,199	79	72	60		375
Plastic Surgery - Integrated	353	28	70	58		59
Preventive medicine	307	62	6	5		141
Psychiatry	4,769	180	1,259	1,146		1,302
Radiation oncology	589	80				157
Radiology-diagnostic	4,427	187	-	-	-	1,103
Surgery	7,403	250	2,617	2,389	1,455	1,483
Vascular surgery - Integrated	6	4	5	2		1
Transitional year			1,255	1,209		
Internal Medicine/Pediatrics	1,399	81	374	355		353
Unaccredited Combined Programs	525	103	122	117		105

Note: Program year refers to the current year of training within a specific program. Graduate Year is used to indicate the first year of training after medical school. Individuals in GY1 positions who are using their first year in a residency program as a prerequisite to enter another program are counted as Preliminary.

#### Number of Residents in Pipeline (Entry Level) Positions, by Medical School Type

Medical School Type	Residents in GY1 Positions	Residents in GY1 Positions with No Prior GME	Year 1 Preliminary Positions	Residents in Program Year 2 Positions
OVERALL	25,626	23,252	3,461	25,274
Canadian Medical School	50	49	4	59
International Medical School	7,437	6,693	765	7,198
Osteopathic Medical School	1,802	1,638	112	1,766
US LCME-Accredited	16,334	14,869	2,580	16,249
US Medical School Unknown	3	3	-	2

Note: Only residents from entry level specialties are counted in this table. Graduate Year is used to indicate the first year of training after medical school. Individuals in GY1 positions who are using their first year in a residency program as a prerequisite to enter another program are counted as Preliminary.

## **Growth Trend in the Number of Residents**



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#### **Core Specialties with the Largest Percentages of Female Residents**



**Percent Female** 

## Number of Residents, by Specialty and Gender

					Gende	er		
			Femal	e	Male		Not Reported	
Specialty	Number of Programs	Number of Residents	#	%	#	%	#	%
OVERALL	8,490	107,851	43,695	41%	55,328	51%	8,828	8%
Allergy and immunology	71	288	160	56%	117	41%	11	4%
Anesthesiology	131	5,218	1,674	32%	3,146	60%	398	8%
- Adult Cardiothoracic Anesthesiology	33	80	22	28%	58	73%		
- Critical Care Medicine	50	69	16	23%	53	77%		
- Pediatric Anesthesiology	45	130	62	48%	58	45%	10	8%
Colon and rectal surgery	45	79	25	32%	54	68%		· ·
Dermatology	110	1,110	689	62%	396	36%	25	2%
- Dermatopathology	48	74	36	49%	36	49%	2	3%
- Procedural Dermatology	34	33	14	42%	17	52%	2	6%
Emergency medicine	145	4,546	1,608	35%	2,504	55%	434	10%
- Medical Toxicology	24	48	12	25%	34	71%	2	4%
- Pediatric Emergency Medicine	17	50	33	66%	13	26%	4	8%
- Sports Medicine	5	5			2	40%	3	60%
- Undersea and Hyperbaric Medicine	3	4			4	100%		· ·
Family medicine	462	9,622	5,040	52%	4,186	44%	396	4%
- Geriatric Medicine	39	61	34	56%	23	38%	4	7%
- Sports Medicine	97	147	40	27%	101	69%	6	4%
Internal medicine	385	22,284	8,179	37%	10,575	47%	3,530	16%
- Cardiovascular Disease	177	2,351	413	18%	1,789	76%	149	6%
- Clinical Cardiac Electrophysiology	95	166	14	8%	142	86%	10	6%
- Critical Care Medicine	30	160	29	18%	128	80%	3	2%
- Endocrinology, Diabetes, and Metabolism	122	530	346	65%	166	31%	18	3%
- Gastroenterology	155	1,295	357	28%	857	66%	81	6%
- Geriatric Medicine	102	283	148	52%	114	40%	21	7%
- Hematology	9	45	18	40%	27	60%		· ·
- Hematology and Oncology	127	1,318	523	40%	690	52%	105	8%
- Infectious Disease	142	681	319	47%	335	49%	27	4%
- Interventional Cardiology	130	285	18	6%	256	90%	11	4%
- Nephrology	139	837	278	33%	515	62%	44	5%
- Oncology	17	133	43	32%	89	67%	1	1%
- Pulmonary Disease	25	81	20	25%	61	75%		· ·
- Pulmonary Disease and Critical Care	130	1,247	344	28%	872	70%	31	2%
- Rheumatology	109	391	228	58%	154	39%	9	2%
- Transplant hepatology	21	20	8	40%	10	50%	2	10%
Medical genetics	48	78	47	60%	30	38%	1	1%
- Molecular Genetic Pathology	23	22	11	50%	10	45%	1	5%
Neurological surgery	97	843	89	11%	737	87%	17	2%
- Endovascular surgical neuroradiology	1	2		· ·	2	100%		· ·
Neurology	122	1,721	680	40%	905	53%	136	8%
- Child Neurology	67	266	147	55%	103	39%	16	6%
- Clinical Neurophysiology	89	210	99	47%	95	45%	16	8%

#### ACGME Data Resource Book Academic Year 2007-2008

## Number of Residents, by Specialty and Gender

		contin	ued					
					Gende	er		
			Fema	le	Male		Not Repo	orted
Specialty	Number of Programs	Number of Residents	#	%	#	%	#	%
- Neuromuscular Medicine	16	19	8	42%	11	58%		· ·
- Neurodevelopmental Disabilities	7	12	9	75%	3	25%		· .
- Vascular Neurology	44	36	8	22%	25	69%	3	8%
Nuclear medicine	57	161	52	32%	99	61%	10	6%
Obstetrics and gynecology	250	4,813	3,626	75%	1,122	23%	65	1%
Ophthalmology	118	1,372	560	41%	792	58%	20	1%
Orthopaedic surgery	153	3,259	379	12%	2,695	83%	185	6%
- Adult Reconstructive Orthopaedics	20	37	2	5%	30	81%	5	14%
- Foot and Ankle Orthopaedics	8	17			13	76%	4	24%
- Hand Surgery	56	117	22	19%	78	67%	17	15%
- Musculoskeletal Oncology	10	15	3	20%	11	73%	1	7%
- Orthopaedic Sports Medicine	80	171	11	6%	138	81%	22	13%
- Orthopaedic Surgery of the Spine	14	25			22	88%	3	12%
- Orthopaedic Trauma	8	14			14	100%		· · ·
- Pediatric Orthopaedics	20	26	7	27%	18	69%	1	4%
Otolaryngology	103	1,380	372	27%	964	70%	44	3%
- Neurotology	16	23	3	13%	20	87%		· ·
- Pediatric Otolaryngology	6	13	4	31%	8	62%	1	8%
- Pain Medicine	92	277	57	21%	212	77%	8	3%
Pathology-anatomic and clinical	150	2,312	1,156	50%	1,085	47%	71	3%
- Blood Banking/Transfusion Medicine	46	40	26	65%	13	33%	1	3%
- Chemical Pathology	2	2		· .	2	100%		· ·
- Cytopathology	86	132	79	60%	49	37%	4	3%
- Forensic Pathology	38	31	15	48%	16	52%		· · ·
- Hematology	78	120	48	40%	66	55%	6	5%
- Medical Microbiology	13	3	1	33%	2	67%		· .
- Neuropathology	35	39	18	46%	20	51%	1	3%
- Pediatric Pathology	25	25	15	60%	10	40%		· .
- Selective Pathology	57	129	56	43%	66	51%	7	5%
Pediatrics	198	8,145	5,106	63%	1,913	23%	1,126	14%
- Adolescent Medicine	26	59	45	76%	9	15%	5	8%
- Neonatal-Perinatal Medicine	97	571	338	59%	215	38%	18	3%
- Pediatric Cardiology	49	304	119	39%	180	59%	5	2%
- Pediatric Critical Care Medicine	62	348	140	40%	183	53%	25	7%
- Pediatric Emergency Medicine	46	266	155	58%	102	38%	9	3%
- Pediatric Endocrinology	68	216	153	71%	50	23%	13	6%
- Pediatric Gastroenterology	51	216	104	48%	105	49%	7	3%
- Pediatric Hematology/Oncology	64	354	209	59%	134	38%	11	3%
Pediatric Infectious Diseases	61	163	90	55%	71	44%	2	1%
Pediatric Nephrology	36	103	71	69%	32	31%	-	
Pediatric Pulmonology	47	130	60	46%	66	51%	4	3%

## Number of Residents, by Specialty and Gender

		contin						
					Gende	er		
			Femal	e	Male		Not Repo	orted
Specialty	Number of Programs	Number of Residents	#	%	#	%	#	%
- Pediatric Rheumatology	26	66	49	74%	17	26%		· ·
- Pediatric Sports Medicine	8	10	2	20%	8	80%		
- Developmental-Behavioral Pediatrics	33	69	54	78%	14	20%	1	1%
Physical medicine and rehabilitation	79	1,199	447	37%	685	57%	67	6%
- Pediatric Rehabilitation	12	11	8	73%	3	27%		
- Spinal Cord Injury Medicine	20	15	4	27%	11	73%		
Plastic surgery	88	641	140	22%	478	75%	23	4%
- Craniofacial Surgery	4	2		· ·	2	100%		
- Hand Surgery	13	16	2	13%	14	88%		
Preventive medicine	73	307	134	44%	161	52%	12	4%
- Medical Toxicology	4	4	2	50%	2	50%		
- Undersea and Hyperbaric Medicine	1	1		· · ·	1	100%		
Psychiatry	181	4,769	2,386	50%	1,999	42%	384	8%
- Addiction Psychiatry	41	50	23	46%	26	52%	1	2%
- Child and Adolescent Psychiatry	121	772	433	56%	310	40%	29	4%
- Forensic Psychiatry	41	72	20	28%	44	61%	8	11%
- Geriatric Psychiatry	60	80	43	54%	34	43%	3	4%
Psychosomatic Medicine	36	48	26	54%	18	38%	4	8%
Radiation oncology	80	589	201	34%	376	64%	12	2%
Radiology-diagnostic	187	4,427	1,169	26%	3,098	70%	160	4%
- Abdominal Radiology	12	42	15	36%	27	64%		
- Cardiothoracic Radiology	2	2	2	100%				
- Endovascular surgical neuroradiology	3	6	- 1	17%	5	83%	· ·	
- Musculoskeletal Radiology	13	26	4	15%	22	85%	•	· ·
- Neuroradiology	86	220	48	22%	165	75%	. 7	3%
- Nuclear Radiology	22	12	10	8%	11	92%		0,0
- Pediatric Radiology	44	54	24	44%	29	54%	1	2%
- Vascular and Interventional Radiology	94	171	18	11%	149	87%	4	2%
- Sleep Medicine	61	106	33	31%	70	66%	3	3%
Surgery	251	7,403	2,032	27%	4,790	65%	581	8%
- Hand Surgery	1	8	1	13%	7	88%	501	
- Pediatric Surgery	35	65	19	29%	46	71%	•	•
- Surgical Critical Care	89	140	40	29%	99	71%	·1	. 1%
- Vascular Surgery	96	215	27	13%	182	85%		3%
- Vascular Surgery - Vascular surgery - Integrated	96	6	21	13%	5	83%	6	17%
	81	о 244		. 120/			13	17%
Thoracic surgery			32	13%	209	86%	3	1%
- Congenital Cardiac Surgery	3	1			1	100%		
Urology	119	998	199	20%	771	77%	28	3%
- Pediatric Urology	22	22	6	27%	16	73%		
Transitional year	127	1,255	393	31%	705	56%	157	13%
Internal Medicine/Pediatrics	81	1,399	707	51%	590	42%	102	7%

## Number of Residents in Core and Subspecialty Programs, by State

State Name	State Abbreviation	State Population - Census 2000	Number of Residents	Number of Res in Core Programs	Number of Res in Subspecialty Programs	Resident Concentration per 100,000
OVERALL		285,230,516	107,851	90,462	17,389	37.81
Alabama	AL	4,447,100	1,224	1,045	179	27.52
Alaska	AK	626,932	33	33		5.26
Arizona	AZ	5,130,632	1,261	1,106	155	24.58
Arkansas	AR	2,673,400	695	595	100	26.00
California	CA	33,871,648	9,537	7,969	1,568	28.16
Colorado	CO	4,301,261	1,109	904	205	25.78
Connecticut	СТ	3,405,565	1,979	1,670	309	58.11
Delaware	DE	783,600	295	271	24	37.65
District of Columbia	DC	572,059	1,841	1,479	362	321.82
Florida	FL	15,982,378	3,158	2,624	534	19.76
Georgia	GA	8,186,453	2,032	1,708	324	24.82
Hawaii	HI	1,211,537	424	389	35	35.00
Idaho	ID	1,293,953	48	47	1	3.71
Illinois	IL	12,419,293	5,798	5,000	798	46.69
Indiana	IN	6,080,485	1,260	1,087	173	20.72
lowa	IA	2,926,324	803	681	122	27.44
Kansas	KS	2,688,418	671	610	61	24.96
Kentucky	KY	4,041,769	1.075	907	168	26.60
Louisiana	LA	4,468,976	1,568	1,346	222	35.09
Maine	ME	1,274,923	293	266	27	22.98
Maryland	MD	5,296,486	2,650	2,092	558	50.03
Massachusetts	MA	6,349,097	5,088	3,964	1,124	80.14
Michigan	MI	9,938,444	4,446	3,811	635	44.74
Minnesota	MN	4,919,479	2,076	1,674	402	42.20
Mississippi	MS	2,844,658	472	407	65	16.59
Missouri	MO	5,595,211	2,479	1,998	481	44.31
Montana	MC	902,195	19	1,330	1	2.11
Nebraska	NE	1,711,263	623	551	72	36.41
Nevada	NV	1,998,257	240	231	9	12.01
New Hampshire	NH	1,235,786	359	292	67	29.05
New Jersey	NJ	8,414,350	2,725	2,442	283	32.39
New Mexico	NM	1,819,046	512	423	89	28.15
			-	-		
New York	NY	18,976,457	15,793	13,217	2,576	83.22
North Carolina	NC	8,049,313	2,811	2,322	489	34.92
North Dakota	ND	642,200	106	106		16.51
Ohio	OH	11,353,140	5,194	4,353	841	45.75
Oklahoma	OK	3,450,654	717	643	74	20.78
Oregon	OR	3,421,399	753	642	111	22.01
Pennsylvania	PA	12,281,054	7,145	5,875	1,270	58.18
Puerto Rico	PR	3,808,610	783	695	88	20.56
Rhode Island	RI	1,048,319	718	580	138	68.49
South Carolina	SC	4,012,012	1,064	917	147	26.52
South Dakota	SD	754,844	100	94	6	13.25
Tennessee	TN	5,689,283	2,046	1,720	326	35.96
Texas	TX	20,851,820	6,823	5,644	1,179	32.72
Utah	UT	2,233,169	664	542	122	29.73
Vermont	VT	608,827	258	217	41	42.38
Virginia	VA	7,078,515	2,188	1,917	271	30.91
Washington	WA	5,894,121	1,603	1,360	243	27.20
West Virginia	WV	1,808,344	628	568	60	34.73
Wisconsin	WI	5,363,675	1,628	1,374	254	30.35
Wyoming	WY	493,782	36	36		7.29

# Geographical Distribution of the Number of Medical Residents per 100,000 State Residents



Note: U.S. Population information based on Census 2000 data.

#### Number of Residents, by Confirmed Status for Core and Subspecialty Programs

Status Spec	ialty Type	
Active Full Time	Core	90
	Subspecialty	17
Active Part Time	Core	
	Subspecialty	
Completed All Accredited Train	Core	25
	Subspecialty	3
Completed Preliminary Training	Core	3
	Subspecialty	
Deceased	Core	
	Subspecialty	
Dismissed	Core	
	Subspecialty	
n Prog Doing Other Res/Train	Core	
	Subspecialty	
eave of Absence	Core	
	Subspecialty	
Fransferred to Another Program	Core	
	Subspecialty	
Vithdrew from Program	Core	
Ğ	Subspecialty	
		0 2,000 4,000 20,000 60,000 100,000
		Number of Residents

Note: For the statuses [Completed All Accredited Training], [Completed Preliminary Training], [Transferred], [Withdrew], [Dismissed], and [Deceased], the resident left or completed the program between 9 / 1 / 2006 and 8 / 31 / 2007. All other statuses reflect the academic year (7 / 1 / 2007 through 6 / 30 / 2008).

## Percentage of All Core Programs and Residents, by Core Specialty

Program	Core Specialty Family medicine Internal medicine Surgery Obstetrics and gynecology Pediatrics Radiology-diagnostic Psychiatry Orthopaedic surgery Pathology-anatomic Emergency medicine Anesthesiology Transitional year Neurology Urology Ophthalmology Dermatology Otolaryngology Neurological surgery Plastic surgery Internal Medicine/Pediatrics Thoracic surgery Radiation oncology Physical medicine and rehab Preventive medicine Allergy and immunology Nuclear medicine	$\begin{array}{c} \text{Percent} \\ 11.6\% \\ 9.6\% \\ 6.3\% \\ 6.3\% \\ 5.0\% \\ 4.7\% \\ 4.5\% \\ 3.8\% \\ 3.8\% \\ 3.8\% \\ 3.6\% \\ 3.3\% \\ 3.2\% \\ 3.1\% \\ 3.0\% \\ 2.2\% \\ 2.0\% \\ 2.0\% \\ 2.0\% \\ 2.0\% \\ 2.0\% \\ 2.0\% \\ 1.8\% \\ 1.8\% \\ 1.8\% \\ 1.4\% \\ 1.2\% \\ 1.1\% \end{array}$
Resident	Internal medicine Family medicine Pediatrics Surgery Anesthesiology Obstetrics and gynecology Psychiatry Emergency medicine Radiology-diagnostic Orthopaedic surgery Pathology-anatomic Neurology Internal Medicine/Pediatrics Otolaryngology Ophthalmology Transitional year Physical medicine and rehab Dermatology Urology Neurological surgery Plastic surgery Radiation oncology Preventive medicine Allergy and immunology Thoracic surgery Nuclear medicine Colon and rectal surgery Medical genetics	$\begin{array}{c} 24.6\% \\ 10.6\% \\ 9.0\% \\ 8.2\% \\ 5.8\% \\ 5.3\% \\ 5.3\% \\ 5.0\% \\ 4.9\% \\ 3.6\% \\ 2.6\% \\ 1.9\% \\ 1.5\% \\ 1.5\% \\ 1.5\% \\ 1.5\% \\ 1.5\% \\ 1.4\% \\ 1.3\% \\ 1.2\% \\ 1.1\% \\ 0.9\% \\ 0.7\% \\ 0.7\% \\ 0.3\% \\ 0.3\% \\ 0.2\% \\ 0.1\% \end{array}$

Percentage

#### Mean Number of Residents per Program, by Core Specialty

Allergy and immunology Anesthesiology Colon and rectal surgery Dermatology **Emergency medicine** Family medicine Internal Medicine/Pediatrics Internal medicine Medical genetics Neurological surgery Neurology Nuclear medicine Obstetrics and gynecology Ophthalmology Orthopaedic surgery Otolaryngology Pathology-anatomic and clinical Pediatrics Physical medicine and rehabilita Plastic surgery Preventive medicine **Psychiatry** Radiation oncology Radiology-diagnostic Surgery Thoracic surgery Transitional year Urology



Mean and Plus/Minus 1 Standard Deviation

# Number of Part-Time Residents, by Specialty

Specialty	Number of Residents	Number of Part-Time Residents	Percentage of the Part-Time Residents who are in this Specialty	Percentage of All Residents in this Specialty who are Part time
OVERALL	107,851	317	100.0%	0.3%
Allergy and immunology	288			
Anesthesiology	5,218	14	4.4%	0.3%
- Adult Cardiothoracic Anesthesiology	80			
- Critical Care Medicine	69			-
- Pediatric Anesthesiology	130			
Colon and rectal surgery	79			
Dermatology	1,110	2	0.6%	0.2%
- Dermatopathology	74			
- Procedural Dermatology	33			-
Emergency medicine	4,546	5	1.6%	0.1%
- Medical Toxicology	48			
- Pediatric Emergency Medicine	50	1	0.3%	2.0%
- Sports Medicine	5			
- Undersea and Hyperbaric Medicine	4	•		-
Family medicine	9,622	40	12.6%	0.4%
- Geriatric Medicine	61	1	0.3%	1.6%
- Sports Medicine	147	2	0.6%	1.4%
Internal medicine	22,284	56	17.7%	0.3%
- Cardiovascular Disease	2,351	7	2.2%	0.3%
- Clinical Cardiac Electrophysiology	166	1	0.3%	0.6%
- Critical Care Medicine	160			
- Endocrinology, Diabetes, and Metabolism	530			
- Gastroenterology	1,295	6	1.9%	0.5%
- Geriatric Medicine	283		· .	
- Hematology	45			-
- Hematology and Oncology	1,318			
- Infectious Disease	681	1	0.3%	0.1%
- Interventional Cardiology	285			
- Nephrology	837	2	0.6%	0.2%
- Oncology	133	1	0.3%	0.8%
- Pulmonary Disease	81		· .	
- Pulmonary Disease and Critical Care Medicine	1,247		· ·	
- Rheumatology	391		· ·	
- Transplant hepatology	20			
Medical genetics	78		· .	
- Molecular Genetic Pathology	22	•	· .	
Neurological surgery	843	5	1.6%	0.6%
- Endovascular surgical neuroradiology	2	•		
Neurology	1,721		· .	
- Child Neurology	266	1	0.3%	0.4%
- Clinical Neurophysiology	210			

# Number of Part-Time Residents, by Specialty

	cont	inued		
Specialty	Number of Residents	Number of Part-Time Residents	Percentage of the Part-Time Residents who are in this Specialty	Percentage of All Residents in this Specialty who are Part time
- Neuromuscular Medicine	19			-
- Neurodevelopmental Disabilities	12			-
- Vascular Neurology	36			-
Nuclear medicine	161	3	0.9%	1.9%
Obstetrics and gynecology	4,813	9	2.8%	0.2%
Ophthalmology	1,372	2	0.6%	0.1%
Orthopaedic surgery	3,259	9	2.8%	0.3%
- Adult Reconstructive Orthopaedics	37			-
- Foot and Ankle Orthopaedics	17			-
- Hand Surgery	117			-
- Musculoskeletal Oncology	15		· ·	
- Orthopaedic Sports Medicine	171			
- Orthopaedic Surgery of the Spine	25			
- Orthopaedic Trauma	14			
- Pediatric Orthopaedics	26			
Otolaryngology	1,380	1	0.3%	0.1%
- Neurotology	23	•		
- Pediatric Otolaryngology	13	•		
- Pain Medicine	277	1	0.3%	0.4%
Pathology-anatomic and clinical	2,312	4	1.3%	0.2%
- Blood Banking/Transfusion Medicine	40			-
- Chemical Pathology	2			
- Cytopathology	132	2	0.6%	1.5%
- Forensic Pathology	31			
- Hematology	120			
- Medical Microbiology	3	•		
- Neuropathology	39	•		
- Pediatric Pathology	25	•		
- Selective Pathology	129	1	0.3%	0.8%
Pediatrics	8,145	34	10.7%	0.4%
- Adolescent Medicine	59			-
- Neonatal-Perinatal Medicine	571			
- Pediatric Cardiology	304	2	0.6%	0.7%
- Pediatric Critical Care Medicine	348	2	0.6%	0.6%
- Pediatric Emergency Medicine	266			-
- Pediatric Endocrinology	216			-
- Pediatric Gastroenterology	216			-
- Pediatric Hematology/Oncology	354			-
- Pediatric Infectious Diseases	163	-		-
- Pediatric Nephrology	103			-
- Pediatric Pulmonology	130	1	0.3%	0.8%

# Number of Part-Time Residents, by Specialty

	conti	nued		
Specialty	Number of Residents	Number of Part-Time Residents	Percentage of the Part-Time Residents who are in this Specialty	Percentage of All Residents in this Specialty who are Part time
- Pediatric Rheumatology	66			
- Pediatric Sports Medicine	10	1	0.3%	10.0%
- Developmental-Behavioral Pediatrics	69	1	0.3%	1.4%
Physical medicine and rehabilitation	1,199	1	0.3%	0.1%
- Pediatric Rehabilitation	11			
- Spinal Cord Injury Medicine	15			-
Plastic surgery	641	3	0.9%	0.5%
- Craniofacial Surgery	2			
- Hand Surgery	16			
Preventive medicine	307	2	0.6%	0.7%
- Medical Toxicology	4	1	0.3%	25.0%
- Undersea and Hyperbaric Medicine	1	-		
Psychiatry	4,769	37	11.7%	0.8%
- Addiction Psychiatry	50	3	0.9%	6.0%
- Child and Adolescent Psychiatry	772	3	0.9%	0.4%
- Forensic Psychiatry	72	1	0.3%	1.4%
- Geriatric Psychiatry	80	4	1.3%	5.0%
- Psychosomatic Medicine	48			
Radiation oncology	589	1	0.3%	0.2%
Radiology-diagnostic	4,427	21	6.6%	0.5%
- Abdominal Radiology	42			
- Cardiothoracic Radiology	2			
- Endovascular surgical neuroradiology	6			
- Musculoskeletal Radiology	26			
- Neuroradiology	220	1	0.3%	0.5%
- Nuclear Radiology	12			
- Pediatric Radiology	54			
- Vascular and Interventional Radiology	171			
- Sleep Medicine	106			
Surgery	7,403	17	5.4%	0.2%
- Hand Surgery	8			
- Pediatric Surgery	65			
- Surgical Critical Care	140			
- Vascular Surgery	215			
- Vascular surgery - Integrated	6			
Thoracic surgery	244			
- Congenital Cardiac Surgery	1			
Urology	998	2	0.6%	0.2%
- Pediatric Urology	22		· ·	-
Transitional year	1,255			-
Internal Medicine/Pediatrics	1,399	2	0.6%	0.1%

## Number of Residents Completing Training, by Specialty

Specialty	Total Number of Residents	Number of Completing Residents	Residents Completing All Accredited Training	Residents Completing Preliminary Training	Percentage of the Completing Residents who are in this Specialty
OVERALL	107,851	37,476	33,873	3,603	100.0%
Allergy and immunology	288	137	137	•	0.4%
Anesthesiology	5,218	1,479	1,479	•	3.9%
- Adult Cardiothoracic Anesthesiology	80	26	26	•	0.1%
- Critical Care Medicine	69	61	61		0.2%
- Pediatric Anesthesiology	130	125	125	•	0.3%
Colon and rectal surgery	79	78	78	•	0.2%
Dermatology	1,110	339	339	•	0.9%
- Dermatopathology	74	68	68	•	0.2%
- Procedural Dermatology	33	31	31		0.1%
Emergency medicine	4,546	1,336	1,336	•	3.6%
- Medical Toxicology	48	19	19	-	0.1%
- Pediatric Emergency Medicine	50	16	16		0.0%
- Sports Medicine	5	4	4	•	0.0%
- Undersea and Hyperbaric Medicine	4	2	2	•	0.0%
Family medicine	9,622	3,093	3,093	•	8.3%
- Geriatric Medicine	61	62	62	•	0.2%
- Sports Medicine	147	130	130		0.3%
Internal medicine	22,284	8,758	6,624	2,134	23.4%
- Cardiovascular Disease	2,351	747	747		2.0%
- Clinical Cardiac Electrophysiology	166	153	153	•	0.4%
- Critical Care Medicine	160	85	85	•	0.2%
- Endocrinology, Diabetes, and Metabolism	530	232	232		0.6%
- Gastroenterology	1,295	419	419		1.1%
- Geriatric Medicine	283	293	293	•	0.8%
- Hematology	45	20	20	•	0.1%
- Hematology and Oncology	1,318	423	423	•	1.1%
- Infectious Disease	681	336	336		0.9%
- Interventional Cardiology	285	283	283		0.8%
- Nephrology	837	398	398	•	1.1%
- Oncology	133	49	49	•	0.1%
- Pulmonary Disease	81	42	42	•	0.1%
- Pulmonary Disease and Critical Care Medicine	1,247	406	406		1.1%
- Rheumatology	391	195	195		0.5%
- Transplant hepatology	20		.		
Medical genetics	78	39	39		0.1%
- Molecular Genetic Pathology	22	22	22	•	0.1%
Neurological surgery	843	141	141		0.4%
- Endovascular surgical neuroradiology	2		.		
Neurology	1,721	511	511		1.4%
- Child Neurology	266	68	68		0.2%
- Clinical Neurophysiology	210	210	210		0.6%

## Number of Residents Completing Training, by Specialty

	continued							
Specialty	Total Number of Residents	Number of Completing Residents	Residents Completing All Accredited Training	Residents Completing Preliminary Training	Percentage of the Completing Residents who are in this Specialty			
- Neuromuscular Medicine	19	12	12		0.0%			
- Neurodevelopmental Disabilities	12	4	4		0.0%			
- Vascular Neurology	36	33	33		0.1%			
Nuclear medicine	161	78	78		0.2%			
Obstetrics and gynecology	4,813	1,155	1,119	36	3.1%			
Ophthalmology	1,372	434	434		1.2%			
Orthopaedic surgery	3,259	613	613		1.6%			
- Adult Reconstructive Orthopaedics	37	33	33		0.1%			
- Foot and Ankle Orthopaedics	17	15	15		0.0%			
- Hand Surgery	117	114	114		0.3%			
- Musculoskeletal Oncology	15	11	11		0.0%			
- Orthopaedic Sports Medicine	171	158	158		0.4%			
- Orthopaedic Surgery of the Spine	25	25	25		0.1%			
- Orthopaedic Trauma	14	10	10		0.0%			
- Pediatric Orthopaedics	26	20	20		0.1%			
Otolaryngology	1,380	259	259		0.7%			
- Neurotology	23	8	8		0.0%			
- Pediatric Otolaryngology	13	9	9		0.0%			
- Pain Medicine	277	291	291		0.8%			
Pathology-anatomic and clinical	2,312	574	574		1.5%			
- Blood Banking/Transfusion Medicine	40	41	41		0.1%			
- Chemical Pathology	2	2	2		0.0%			
- Cytopathology	132	132	132		0.4%			
- Forensic Pathology	31	44	44		0.1%			
- Hematology	120	112	112		0.3%			
- Medical Microbiology	3	9	9		0.0%			
- Neuropathology	39	22	22		0.1%			
- Pediatric Pathology	25	16	16		0.0%			
- Selective Pathology	129	118	118		0.3%			
Pediatrics	8,145	2,623	2,538	85	7.0%			
- Adolescent Medicine	59	25	25		0.1%			
- Neonatal-Perinatal Medicine	571	176	176		0.5%			
- Pediatric Cardiology	304	101	101		0.3%			
Pediatric Critical Care Medicine	348	104	104		0.3%			
- Pediatric Emergency Medicine	266	77	77		0.2%			
- Pediatric Endocrinology	216	66	66		0.2%			
- Pediatric Gastroenterology	216	66	66		0.2%			
- Pediatric Hematology/Oncology	354	111	111		0.3%			
- Pediatric Infectious Diseases	163	55	55		0.1%			
- Pediatric Nephrology	103	30	30		0.1%			
- Pediatric Pulmonology	130	42	42		0.1%			

## Number of Residents Completing Training, by Specialty

	continued							
Specialty	Total Number of Residents	Number of Completing Residents	Residents Completing All Accredited Training	Residents Completing Preliminary Training	Percentage of the Completing Residents who are in this Specialty			
- Pediatric Rheumatology	66	13	13	•	0.0%			
- Pediatric Sports Medicine	10	10	10	•	0.0%			
- Developmental-Behavioral Pediatrics	69	21	21	•	0.1%			
Physical medicine and rehabilitation	1,199	373	373	•	1.0%			
- Pediatric Rehabilitation	11	2	2		0.0%			
- Spinal Cord Injury Medicine	15	16	16		0.0%			
Plastic surgery	641	183	183		0.5%			
- Craniofacial Surgery	2	3	3		0.0%			
- Hand Surgery	16	19	19	•	0.1%			
Preventive medicine	307	218	218		0.6%			
- Medical Toxicology	4	4	4		0.0%			
- Undersea and Hyperbaric Medicine	1		.					
Psychiatry	4,769	1,019	1,019		2.7%			
- Addiction Psychiatry	50	53	53		0.1%			
- Child and Adolescent Psychiatry	772	359	359		1.0%			
- Forensic Psychiatry	72	68	68		0.2%			
- Geriatric Psychiatry	80	86	86		0.2%			
- Psychosomatic Medicine	48	33	33		0.1%			
Radiation oncology	589	116	116		0.3%			
Radiology-diagnostic	4,427	1,062	1,062		2.8%			
- Abdominal Radiology	42	41	41		0.1%			
- Cardiothoracic Radiology	2	1	1		0.0%			
- Endovascular surgical neuroradiology	6	5	5	•	0.0%			
- Musculoskeletal Radiology	26	24	24	•	0.1%			
- Neuroradiology	220	213	213	•	0.6%			
- Nuclear Radiology	12	13	13	•	0.0%			
- Pediatric Radiology	54	61	61	•	0.2%			
- Vascular and Interventional Radiology	171	148	148	•	0.2%			
- Vascular and interventional Radiology - Sleep Medicine	106	82	82	•	0.2%			
	7,403	-	-		6.3%			
Surgery - Hand Surgery	7,403 8	2,357 8	1,009 8	1,348	0.0%			
• •				•				
- Pediatric Surgery	65	31	31	•	0.1%			
- Surgical Critical Care	140	128	128	•	0.3%			
- Vascular Surgery	215	110	110	•	0.3%			
- Vascular surgery - Integrated	6			•				
Thoracic surgery	244	125	125		0.3%			
- Congenital Cardiac Surgery	1							
Urology	998	243	243	•	0.6%			
- Pediatric Urology	22	15	15	•	0.0%			
Transitional year	1,255	1,244	1,244	•	3.3%			
Internal Medicine/Pediatrics	1,399	305	305		0.8%			

## Number of Residents Not Completing Program, by Specialty

				Non-Completion Status		
				Dismissed	Transferred	Withdrew
Specialty	Number of All Residents	Number of Residents Not Completing	Percent of Residents in Specialty Not Completing	#	#	#
OVERALL	107,851	2,972	2.8%	294	1,635	1,043
Allergy and immunology	288	1	0.3%	-	-	1
<ul> <li>Adult Cardiothoracic Anesthesiology</li> </ul>	80	0	0.0%	-		•
Anesthesiology	5,218	137	2.6%	13	71	53
- Critical Care Medicine	69	4	5.8%	-	1	3
<ul> <li>Pediatric Anesthesiology</li> </ul>	130	3	2.3%	-		3
Colon and rectal surgery	79	0	0.0%	-		•
Dermatology	1,110	9	0.8%	•	6	3
- Dermatopathology	74	0	0.0%		-	
- Procedural Dermatology	33	0	0.0%			
Emergency medicine	4,546	70	1.5%	6	36	28
- Medical Toxicology	48	1	2.1%			1
- Pediatric Emergency Medicine	50	2	4.0%			2
- Sports Medicine	5	0	0.0%			
- Undersea and Hyperbaric Medicine	4	0	0.0%			
Family medicine	9,622	432	4.5%	81	191	160
- Geriatric Medicine	61	1	1.6%	-	-	1
- Sports Medicine	147	0	0.0%	-	-	
Internal medicine	22,284	428	1.9%	51	238	139
- Cardiovascular Disease	2,351	21	0.9%	2	15	4
- Clinical Cardiac Electrophysiology	166	1	0.6%			1
- Critical Care Medicine	160	8	5.0%		6	2
- Endocrinology, Diabetes, and Metabolism	530	9	1.7%		4	5
- Gastroenterology	1,295	8	0.6%		6	2
- Geriatric Medicine	283	10	3.5%	1		9
- Hematology	45	2	4.4%		2	
- Hematology and Oncology	1,318	13	1.0%	1	8	4
- Infectious Disease	681	13	1.9%	2	3	8
- Interventional Cardiology	285	1	0.4%			1
- Nephrology	837	5	0.6%	-		5
- Oncology	133	5	3.8%		5	•
- Pulmonary Disease	81	0	0.0%			•
- Pulmonary Disease and Critical Care	1,247	11	0.9%	1	2	8
- Rheumatology	391	4	1.0%		3	1
- Transplant hepatology	20	0	0.0%			
Medical genetics	78	1	1.3%		<u>.</u>	1
- Molecular Genetic Pathology	22	0	0.0%			
Neurological surgery	843	28	3.3%	4	13	11
- Endovascular surgical neuroradiology	2	0	0.0%			
Neurology	1,721	28	1.6%	2	11	15
- Child Neurology	266	5	1.9%			5
- Clinical Neurophysiology	210	7	3.3%	· ·	1	6

## Number of Residents Not Completing Program, by Specialty

		continued				
						tatus
				Dismissed	Transferred	Withdrew
Specialty	Number of All Residents	Number of Residents Not Completing	Percent of Residents in Specialty Not Completing	#	#	#
- Neuromuscular Medicine	19	0	0.0%	-		•
- Neurodevelopmental Disabilities	12	0	0.0%	-	-	•
- Vascular Neurology	36	1	2.8%	-		1
Nuclear medicine	161	20	12.4%	-	12	8
Obstetrics and gynecology	4,813	177	3.7%	18	82	77
Ophthalmology	1,372	6	0.4%	-		6
Orthopaedic surgery	3,259	30	0.9%	3	11	16
- Adult Reconstructive Orthopaedics	37	0	0.0%			
- Foot and Ankle Orthopaedics	17	1	5.9%		· .	1
- Hand Surgery	117	0	0.0%		· .	
- Musculoskeletal Oncology	15	1	6.7%	1	· .	
- Orthopaedic Sports Medicine	171	1	0.6%	1		
- Orthopaedic Surgery of the Spine	25	1	4.0%	-		1
- Orthopaedic Trauma	14	0	0.0%	-		
- Pediatric Orthopaedics	26	0	0.0%	-		
Otolaryngology	1,380	27	2.0%		12	15
- Neurotology	23	0	0.0%	-		
- Pediatric Otolaryngology	13	0	0.0%	-		
- Pain Medicine	277	0	0.0%	-		
Pathology-anatomic and clinical	2,312	75	3.2%	4	39	32
- Blood Banking/Transfusion Medicine	40	1	2.5%	-		1
- Chemical Pathology	2	0	0.0%	-		
- Cytopathology	132	1	0.8%	-		1
- Forensic Pathology	31	3	9.7%		1	2
- Hematology	120	1	0.8%			1
- Medical Microbiology	3	0	0.0%			
- Neuropathology	39	2	5.1%	-	•	2
- Pediatric Pathology	25	0	0.0%			
- Selective Pathology	129	3	2.3%	-		3
Pediatrics	8,145	206	2.5%	13	147	46
- Adolescent Medicine	59	1	1.7%			1
- Neonatal-Perinatal Medicine	571	14	2.5%		3	11
- Pediatric Cardiology	304	8	2.6%	2	2	4
- Pediatric Critical Care Medicine	348	24	6.9%	1	12	11
- Pediatric Emergency Medicine	266	4	1.5%			4
- Pediatric Endocrinology	216	6	2.8%	1	2	3
- Pediatric Gastroenterology	216	3	1.4%		1	2
- Pediatric Hematology/Oncology	354	7	2.0%		1	6
- Pediatric Infectious Diseases	163	5	3.1%	2		3
- Pediatric Nephrology	103	8	7.8%	-	2	6
- Pediatric Pulmonology	130	3	2.3%	1	1	1

## Number of Residents Not Completing Program, by Specialty

		continued				
	Non-Completion Status					
				Dismissed	Transferred	Withdrew
Specialty	Number of All Residents	Number of Residents Not Completing	Percent of Residents in Specialty Not Completing	#	#	#
- Pediatric Rheumatology	66	2	3.0%			2
- Pediatric Sports Medicine	10	0	0.0%			
- Developmental-Behavioral Pediatrics	69	1	1.4%	-		1
Physical medicine and rehabilitation	1,199	30	2.5%	2	14	14
- Pediatric Rehabilitation	11	0	0.0%	-	-	•
- Spinal Cord Injury Medicine	15	0	0.0%			
Plastic surgery	641	9	1.4%	2	1	6
- Craniofacial Surgery	2	0	0.0%		•	<u>.</u>
- Hand Surgery	16	0	0.0%			-
Preventive medicine	307	9	2.9%	1	1	7
- Medical Toxicology	4	4	100.0%		4	
- Undersea and Hyperbaric Medicine	1	0	0.0%			
Psychiatry	4,769	431	9.0%	29	353	49
- Addiction Psychiatry	50	4	8.0%		1	3
- Child and Adolescent Psychiatry	772	16	2.1%		5	11
- Forensic Psychiatry	72	2	2.8%			2
- Geriatric Psychiatry	80	2	2.5%	1		1
- Psychosomatic Medicine	48	0	0.0%			
Radiation oncology	589	6	1.0%	1	4	1
Radiology-diagnostic	4,427	66	1.5%	5	36	25
- Abdominal Radiology	42	0	0.0%			
- Cardiothoracic Radiology	2	0	0.0%			
- Endovascular surgical neuroradiology	6	0	0.0%			
- Musculoskeletal Radiology	26	0	0.0%			
- Neuroradiology	220	2	0.9%		1	1
- Nuclear Radiology	12	1	8.3%	1		
- Pediatric Radiology	54	2	3.7%			2
- Vascular and Interventional Radiology	171	5	2.9%			5
- Sleep Medicine	106	2	1.9%			2
Surgery	7,403	388	5.2%	33	230	125
- Hand Surgery	8	0	0.0%			
- Pediatric Surgery	65	0	0.0%			
- Surgical Critical Care	140	4	2.9%	1	1	2
- Vascular Surgery	215	4	1.9%			4
- Vascular surgery - Integrated	6	0	0.0%			
Thoracic surgery	244	7	2.9%	1	2	4
- Congenital Cardiac Surgery	1	0	0.0%			
Urology	998	13	1.3%		3	10
- Pediatric Urology	22	1	4.5%			1
Transitional year	1,255	14	1.1%	1	6	7
Internal Medicine/Pediatrics	1,399	39	2.8%	5	23	11

#### Number of Residents Completing All Accredited Training, by State

State Name	State Abbreviation	Population - Census 2000	Number of Residents	Residents Completing All Accredited Training	Graduates per 100,000 in Population
OVERALL		285,230,516	107,851	33,873	11.88
Alabama	AL	4,447,100	1,224	395	8.88
Alaska	AK	626,932	33	10	1.60
Arizona	AZ	5,130,632	1,261	349	6.80
Arkansas	AR	2,673,400	695	197	7.37
California	CA	33,871,648	9,537	3,018	8.91
Colorado	CO	4,301,261	1,109	348	8.09
Connecticut	СТ	3,405,565	1,979	620	18.21
Delaware	DE	783,600	295	95	12.12
District of Columbia	DC	572,059	1,841	538	94.05
Florida	FL	15,982,378	3,158	998	6.24
Georgia	GA	8,186,453	2,032	663	8.10
Hawaii	HI	1,211,537	424	127	10.48
Idaho	ID	1,293,953	48	14	1.08
Illinois	IL	12,419,293	5,798	1,855	14.94
Indiana	IN	6,080,485	1,260	439	7.22
Iowa	IA	2,926,324	803	275	9.40
Kansas	KS	2,688,418	671	188	6.99
Kentucky	KY	4,041,769	1,075	316	7.82
Louisiana	LA	4,468,976	1,568	450	10.07
Maine	ME	1,274,923	293	92	7.22
Maryland	MD	5,296,486	2,650	861	16.26
Massachusetts	MA	6,349,097	5,088	1,710	26.93
Michigan	MI	9,938,444	4,446	1,437	14.46
Minnesota	MN	4,919,479	2,076	679	13.80
Mississippi	MS	2,844,658	472	134	4.71
Missouri	МО	5,595,211	2,479	777	13.89
Montana	MT	902,195	19	8	0.89
Nebraska	NE	1,711,263	623	170	9.93
Nevada	NV	1,998,257	240	54	2.70
New Hampshire	NH	1,235,786	359	113	9.14
New Jersey	NJ	8,414,350	2,725	780	9.27
New Mexico	NM	1,819,046	512	173	9.51
New York	NY	18,976,457	15,793	4,916	25.91
North Carolina	NC	8,049,313	2,811	868	10.78
North Dakota	ND	642,200	106	33	5.14
Ohio	OH	11,353,140	5,194	1,570	13.83
Oklahoma	OK	3,450,654	717	199	5.77
Oregon	OR	3,421,399	753	238	6.96
Pennsylvania	PA	12,281,054	7,145	2,316	18.86
Puerto Rico	PR	3,808,610	783	269	7.06
Rhode Island	RI	1,048,319	718	223	21.27
South Carolina	SC	4,012,012	1,064	308	7.68
South Dakota	SD	754,844	1,004	38	5.03
Tennessee	TN	5,689,283	2,046	601	10.56
Texas	TX	20,851,820	6,823	2,171	10.30
Utah	UT	2,233,169	664	2,171	10.41
Vermont	VT	608,827	258	77	12.65
Virginia	VI VA	7,078,515	238	704	9.95
Washington	WA	5,894,121	1,603	528	9.95 8.96
West Virginia	WA WV		628	178	8.96 9.84
-		1,808,344			
Wisconsin	WI WY	5,363,675	1,628	513 14	9.56
Wyoming	VV I	493,782	36	14	2.84

#### Geographical Distribution of the Number of Medical Residents Completing All Training per 100,000 State Residents



Note: U.S. Population information based on Census 2000 data.

# NOTES

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