

# Schools of Medicine

## THE TOP SCHOOLS • RESEARCH

Rank/School	Overall score	Peer assessment score (5.0=highest)	Assessment score by residency directors** (5.0=highest)	'08 average undergrad GPA	'08 average MCAT score	'08 acceptance rate	'08 NIH research grants (in millions)	'08 NIH research grants per faculty member (in thousands)	'08 faculty/student ratio	'08 out-of-state tuition and fees	'08 total medical school enrollment
1. Harvard University (MA)	100	4.8	4.7	3.85	12.0	4.0%	\$1,228.7	\$152.2	11.1	\$43,223	728
2. Johns Hopkins University (MD)	81	4.8	4.8	3.84	11.8	6.8%	\$471.9	\$195.3	5.1	\$42,330	473
3. University of Pennsylvania	79	4.6	4.4	3.80	11.7	3.8%	\$516.2	\$218.3	3.9	\$44,084	614
3. Washington University in St. Louis	79	4.6	4.5	3.87	12.4	11.1%	\$347.2	\$223.1	3.3	\$45,550	476
5. University of California—San Francisco	77	4.7	4.4	3.71	11.5	4.3%	\$457.3	\$240.8	3.2	\$37,807	595
6. Duke University (NC)	75	4.6	4.6	3.78	11.5	4.2%	\$338.7	\$192.9	4.2	\$43,840	415
6. Stanford University (CA)	75	4.5	4.5	3.75	11.6	2.6%	\$236.2 *	\$296.4 *	1.7	\$43,529	465
6. University of Washington	75	4.3	4.2	3.67	10.4	5.8%	\$566.1	\$259.2	2.5	\$46,002	870
6. Yale University (CT)	75	4.3	4.3	3.80	11.8	5.9%	\$340.5	\$310.4	2.8	\$41,850	394
10. Columbia University (NY)	73	4.3	4.4	3.79	11.9	4.1%	\$342.9	\$183.7	2.9	\$47,092	647
11. University of California—Los Angeles (Geffen)	72	4.1	4.1	3.77	11.4	3.7%	\$493.9	\$211.6	3.3	\$36,418	698
11. University of Michigan—Ann Arbor	72	4.3	4.4	3.74	11.6	7.2%	\$347.5	\$200.4	2.6	\$41,485	671
13. University of Chicago (Pritzker)	69	3.9	4.2	3.79	11.9	3.8%	\$255.8	\$292.3	1.9	\$39,901	451
13. University of Pittsburgh	69	4.1	4.1	3.70	11.6	8.4%	\$354.6	\$172.6	3.6	\$41,506	577
15. University of California—San Diego	68	4.0	3.9	3.75	11.1	5.7%	\$284.8	\$297.9	1.8	\$36,824	520
15. Vanderbilt University (TN)	68	4.2	4.2	3.79	11.3	5.8%	\$306.1	\$160.7	4.3	\$41,249	442
17. Baylor College of Medicine (TX)	67	3.8	4.0	3.85	11.5	6.1%	\$229.6	\$117.1	3.0	\$25,903	664
18. Cornell University (Weill) (NY)	66	4.1	4.3	3.78	11.7	4.2%	\$233.1	\$133.7	4.2	\$44,665	414
19. Northwestern University (Feinberg) (IL)	63	3.8	4.1	3.79	11.7	6.5%	\$252.6	\$124.7	2.9	\$44,883	695
20. University of North Carolina—Chapel Hill	61	3.9	4.1	3.62	10.9	5.7%	\$234.8	\$171.8	1.9	\$36,957	732
20. U. of Texas Southwestern Medical Center—Dallas	61	4.2	4.0	3.81	11.0	11.7%	\$191.7	\$109.8	1.9	\$26,615	923
22. Emory University (GA)	60	3.8	4.0	3.69	11.3	7.3%	\$222.8	\$113.4	3.9	\$41,476	498
22. Mount Sinai School of Medicine (NY)	60	3.6	3.7	3.66	11.6	5.6%	\$209.2	\$191.9	2.1	\$39,610	516
24. University of Virginia	59	3.7	3.9	3.73	11.1	14.0%	\$149.7 *	\$159.4 *	1.6	\$42,432	580
25. Case Western Reserve University (OH)	58	3.5	3.8	3.63	11.5	8.6%	\$244.0	\$124.3	2.6	\$45,286	769
25. Mayo Medical School (MN)	58	3.7	3.9	3.82	10.9	2.5%	\$202.9	\$84.1	14.0	\$29,800	172
27. Ohio State University	56	3.3	3.5	3.74	11.1	9.1%	\$272.3	\$120.0	2.7	\$31,836	843
27. University of Wisconsin—Madison	56	3.7	3.8	3.72	10.5	8.3%	\$139.2	\$133.2	1.6	\$35,116	645
29. University of Alabama—Birmingham	55	3.8	3.8	3.72	10.0	12.3%	\$165.3	\$133.8	1.7	\$50,689	733
29. University of Colorado—Denver	55	3.6	3.7	3.72	10.9	7.7%	\$162.4	\$74.4	3.6	\$51,290	609
31. New York University	54	3.4	3.6	3.77	11.2	7.2%	\$145.6	\$94.6	2.3	\$47,476	669
31. University of Iowa (Carver)	54	3.6	3.7	3.69	10.6	10.0%	\$133.0	\$146.8	1.6	\$42,526	583
31. University of Rochester (NY)	54	3.5	3.6	3.69	10.8	6.4%	\$165.8	\$114.8	3.4	\$42,339	426
34. Brown University (Alpert) (RI)	53	3.2	3.7	3.63	11.2	3.2%	\$113.6	\$160.2	1.7	\$43,022	409
35. Boston University	52	3.3	3.5	3.72	10.3	4.9%	\$199.4	\$148.3	1.9	\$45,286	695
35. Dartmouth Medical School (NH)	52	3.4	3.7	3.73	11.0	5.5%	\$69.2	\$78.9	2.8	\$42,960	319
35. Oregon Health and Science University	52	3.5	3.6	3.63	10.2	4.8%	\$193.0	\$112.9	3.2	\$49,424	528
35. University of Minnesota Medical School	52	3.4	3.6	3.79	10.5	7.9%	\$146.3	\$92.1	1.6	\$41,818	964
39. Georgetown University (DC)	51	2.9	3.6	3.70	10.6	3.8%	\$184.0	\$110.3	2.1	\$44,444	789
39. University of Southern California (Keck)	51	3.3	3.6	3.58	10.9	5.3%	\$144.2	\$121.2	1.8	\$47,896	679
41. University of Cincinnati	50	3.1	3.3	3.60	10.8	9.5%	\$194.6	\$135.6	2.3	\$42,987	626
41. Yeshiva University (Einstein) (NY)	50	3.2	3.4	3.70	10.7	6.4%	\$170.6	\$63.8	3.4	\$44,780	777
43. University of Maryland	49	3.2	3.3	3.69	10.5	7.2%	\$149.7 *	\$126.0 *	1.9	\$43,175	626
43. Wake Forest University (NC)	49	3.2	3.5	3.67	10.4	3.6%	\$94.1 *	\$100.2 *	2.0	\$38,248	465
45. Indiana University—Indianapolis	48	3.3	3.5	3.74	10.3	14.0%	\$104.3 *	\$70.0 *	1.2	\$42,924	1,206
45. Tufts University (MA)	48	3.4	3.7	3.60	10.7	7.9%	\$89.2	\$55.5	2.2	\$48,992	715
45. University of California—Irvine	48	2.8	3.2	3.67	10.6	5.7%	\$106.0	\$217.2	1.3	\$38,039	390
48. University of California—Davis	46	3.1	3.4	3.64	10.0	4.3%	\$90.6	\$137.3	1.6	\$39,659	402
48. University of Florida	46	3.0	3.3	3.73	10.6	8.6%	\$79.9	\$65.8	2.3	\$54,361	521
48. University of Massachusetts—Worcester	46	3.0	3.2	3.65	10.6	23.8%	\$124.7 *	\$124.9 *	2.2	N/A	445

\*The school reported only research grants that the National Institutes of Health made to the medical school. No grants to affiliated hospitals were reported. \*\* Assessment data collected by Synovate.

Sources: U.S. News and the schools

THE TOP SCHOOLS • PRIMARY CARE

Rank/School	Overall score	Peer assessment score (5.0=highest)	Assessment score by residency directors (5.0=highest)	Selectivity rank	'08 average undergrad GPA	'08 average MCAT score	'08 acceptance rate	% '06-'08 graduates entering primary care	'08 faculty/student ratio	'08 out-of-state tuition and fees	'08 total medical school enrollment
1. University of Washington	100	4.2	4.1	48	3.67	10.4	5.8%	47.0%	2.5	\$46,002	870
2. University of North Carolina—Chapel Hill	86	3.6	3.6	36	3.62	10.9	5.7%	53.0%	1.9	\$36,957	732
3. Oregon Health and Science University	82	3.5	4.0	64	3.63	10.2	4.8%	47.0%	3.2	\$49,424	528
4. University of Colorado—Denver	80	3.6	3.5	28	3.72	10.9	7.7%	46.3%	3.6	\$51,290	609
5. University of California—San Francisco	79	3.7	3.8	16	3.71	11.5	4.3%	37.6%	3.2	\$37,807	595
6. University of Vermont	76	3.2	3.4	58	3.70	10.0	3.8%	56.7%	1.2	\$48,490	458
7. Mich. State U. Coll. of Osteopathic Medicine	72	2.6	3.0	109	3.56	8.8	10.6%	81.5%	0.3	\$65,670	843
7. University of Massachusetts—Worcester	72	3.2	3.3	56	3.65	10.6	23.8%	53.1%	2.2	N/A	445
7. University of Minnesota Medical School	72	3.4	3.7	30	3.79	10.5	7.9%	40.7%	1.6	\$41,818	964
10. University of California—Los Angeles (Geffen)	70	3.2	3.4	13	3.77	11.4	3.7%	44.0%	3.3	\$36,418	698
10. University of Iowa (Carver)	70	3.4	3.5	39	3.69	10.6	10.0%	43.0%	1.6	\$42,526	583
12. University of Michigan—Ann Arbor	69	3.4	3.7	13	3.74	11.6	7.2%	35.0%	2.6	\$41,485	671
12. University of Pennsylvania	69	3.3	3.3	7	3.80	11.7	3.8%	41.0%	3.9	\$44,084	614
12. University of Wisconsin—Madison	69	3.4	3.7	36	3.72	10.5	8.3%	39.3%	1.6	\$35,116	645
15. Harvard University (MA)	68	3.2	3.2	2	3.85	12.0	4.0%	42.0%	11.1	\$43,223	728
15. University of Rochester (NY)	68	3.4	3.7	32	3.69	10.8	6.4%	36.8%	3.4	\$42,339	426
17. Baylor College of Medicine (TX)	67	3.0	3.5	8	3.85	11.5	6.1%	42.8%	3.0	\$25,903	664
17. University of Nebraska College of Medicine	67	2.9	3.1	75	3.71	9.7	11.5%	60.0%	1.2	\$57,053	481
17. University of Pittsburgh	67	3.2	3.5	16	3.70	11.6	8.4%	41.0%	3.6	\$41,506	577
20. Michigan State University	65	3.2	3.6	89	3.57	9.8	5.8%	46.0%	1.1	\$54,956	550
21. Indiana University—Indianapolis	64	3.4	3.4	45	3.74	10.3	14.0%	39.5%	1.2	\$42,924	1,206
22. Dartmouth Medical School (NH)	63	3.2	3.4	25	3.73	11.0	5.5%	40.3%	2.8	\$42,960	319
22. University of Missouri	63	3.0	3.4	45	3.76	10.2	11.5%	47.0%	1.4	\$48,367	387
22. Wake Forest University (NC)	63	2.9	3.0	48	3.67	10.4	3.6%	55.0%	2.0	\$38,248	465
22. Yeshiva University (Einstein) (NY)	63	2.8	3.0	32	3.70	10.7	6.4%	55.0%	3.4	\$44,780	777
26. University of California—San Diego	62	3.1	3.3	22	3.75	11.1	5.7%	42.0%	1.8	\$36,824	520
26. Washington University in St. Louis	62	3.1	3.2	1	3.87	12.4	11.1%	37.1%	3.3	\$45,550	476
28. East Carolina University (Brody) (NC)	61	3.0	3.2	97	3.60	9.4	14.5%	53.3%	1.2	\$34,023	296
29. Brown University (Alpert) (RI)	60	3.1	3.3	28	3.63	11.2	3.2%	41.5%	1.7	\$43,022	409
29. University of New Mexico	60	3.4	3.3	100	3.61	9.2	18.7%	43.0%	2.3	\$44,943	316
29. University of Utah	60	3.2	3.6	81	3.65	9.7	10.2%	40.0%	2.7	\$40,840	412
29. University of Virginia	60	3.1	3.5	27	3.73	11.1	14.0%	38.0%	1.6	\$42,432	580
29. U. of N. Texas Health Sci. Ctr. (Col. of Oste Med.)	60	2.6	2.5	104	3.57	9.2	19.8%	73.8%	0.5	\$30,625	630
29. U. of Texas Southwestern Medical Center—Dallas	60	3.1	3.3	21	3.81	11.0	11.7%	40.0%	1.9	\$26,615	923
35. University of Alabama—Birmingham	59	3.4	3.4	62	3.72	10.0	12.3%	36.0%	1.7	\$50,689	733
35. University of California—Davis	59	3.2	3.3	69	3.64	10.0	4.3%	42.4%	1.6	\$39,659	402
37. Case Western Reserve University (OH)	58	3.1	3.3	25	3.63	11.5	8.6%	38.2%	2.6	\$45,286	769
37. Johns Hopkins University (MD)	58	3.2	3.1	3	3.84	11.8	6.8%	35.1%	5.1	\$42,330	473
37. Mayo Medical School (MN)	58	3.1	3.3	18	3.82	10.9	2.5%	37.0%	14.0	\$29,800	172
40. Ohio State University	57	2.9	3.4	23	3.74	11.1	9.1%	40.3%	2.7	\$31,836	843
40. Tufts University (MA)	57	3.0	3.2	50	3.60	10.7	7.9%	44.0%	2.2	\$48,992	715
42. Emory University (GA)	56	3.1	3.2	23	3.69	11.3	7.3%	38.0%	3.9	\$41,476	498
42. University of Connecticut	56	2.9	3.2	41	3.68	10.5	6.0%	45.0%	2.7	\$50,815	331
42. University of Maryland	56	3.0	3.2	41	3.69	10.5	7.2%	42.3%	1.9	\$43,175	626
45. Duke University (NC)	55	3.2	3.0	11	3.78	11.5	4.2%	35.0%	4.2	\$43,840	415
45. Stony Brook University (NY)	55	2.7	3.0	50	3.60	10.7	7.9%	52.3%	1.1	\$34,628	474
45. University of Arkansas for Medical Sciences	55	2.9	3.1	100	3.58	9.4	25.1%	51.3%	1.6	\$33,826	612
45. University of Chicago (Pritzker)	55	2.9	3.1	4	3.79	11.9	3.8%	39.0%	1.9	\$39,901	451
45. Vanderbilt University (TN)	55	3.2	3.3	15	3.79	11.3	5.8%	31.3%	4.3	\$41,249	442
50. Medical University of South Carolina	53	2.9	3.3	93	3.58	9.7	13.8%	44.7%	1.7	\$74,108	642

N/A: The school does not accept out-of-state students to its M.D. program.  
Sources: U.S. News and the schools. Peer assessment data collected by Synovate

## SPECIALTIES

## MEDICAL SCHOOL DEANS AND SENIOR FACULTY SELECT THE BEST PROGRAMS

## AIDS

1. University of California—San Francisco
2. Johns Hopkins Univ. (MD)
3. Harvard University (MA)
4. University of Washington
5. Columbia University (NY)
6. University of Alabama—Birmingham
6. University of California—Los Angeles (Geffen)
8. University of California—San Diego
9. University of North Carolina—Chapel Hill
10. Duke University (NC)

## DRUG/ALCOHOL ABUSE

1. Yale University (CT)
2. Harvard University (MA)
3. Columbia University (NY)
4. Johns Hopkins Univ. (MD)
5. University of California—San Francisco
6. University of Pennsylvania
7. New York University
8. Brown University (Alpert) (RI)
8. University of California—Los Angeles (Geffen)
10. University of California—San Diego

## FAMILY MEDICINE

1. University of Washington
2. University of North Carolina—Chapel Hill
3. University of Colorado—Denver
3. Univ. of Michigan—Ann Arbor
3. University of Missouri
6. University of California—San Francisco
6. University of Wisconsin—Madison
8. Oregon Health and Science University
9. Case Western Reserve University (OH)
9. Duke University (NC)

## GERIATRICS

1. Johns Hopkins Univ. (MD)
2. Mount Sinai School of Medicine (NY)
3. University of California—Los Angeles (Geffen)
4. Duke University (NC)
5. Univ. of Michigan—Ann Arbor
6. University of Washington
7. Harvard University (MA)
8. Yale University (CT)
9. University of California—San Francisco
10. University of Pittsburgh

## INTERNAL MEDICINE

1. Johns Hopkins Univ. (MD)
2. Harvard University (MA)
3. University of California—San Francisco
4. University of Pennsylvania
5. Duke University (NC)
6. Washington University in St. Louis
7. Univ. of Michigan—Ann Arbor
8. University of Washington
9. Columbia University (NY)
10. Yale University (CT)

## PEDIATRICS

1. Harvard University (MA)
2. University of Pennsylvania
3. University of Cincinnati
4. Johns Hopkins Univ. (MD)
5. Baylor College of Medicine (TX)
6. University of Washington
7. Stanford University (CA)
8. University of Colorado—Denver
8. Washington University in St. Louis
10. University of California—San Francisco

## RURAL MEDICINE

1. University of Washington
2. University of New Mexico
3. University of North Dakota
4. Oregon Health and Science University
4. University of Minnesota Medical School
6. University of North Carolina—Chapel Hill
7. East Carolina University (Brody) (NC)
7. East Tennessee State Univ. (Quillen)
7. Michigan State University
10. University of Iowa (Carver)
10. University of Utah

## WOMEN'S HEALTH

1. Harvard University (MA)
2. University of California—San Francisco
3. University of Pittsburgh
4. Johns Hopkins Univ. (MD)
4. University of Washington
6. University of Pennsylvania
6. Yale University (CT)
8. Columbia University (NY)
9. Duke University (NC)
9. University of California—Los Angeles (Geffen)

## METHODOLOGY

The 126 medical schools fully accredited by the Liaison Committee on Medical Education, plus the 20 schools of osteopathic medicine fully accredited by the American Osteopathic Association, were surveyed for the ranking of research medical schools; 120 schools provided the data needed to calculate the research rankings based on the indicators used in the medical school research model. The same medical and osteopathic schools were surveyed for the primary-care ranking; 119 schools provided the data needed to calculate the medical school primary-care ranking. The medical school research model is based on a weighted average of eight indicators, and the primary-care model is based on seven indicators. Four of the indicators are the same for both models. The research model factors in research activity; the primary-care model adds a measure of the proportion of graduates entering primary-care specialties.

**Quality assessment** (weighted by .40): Peer assessment surveys were conducted in the fall of 2008, asking medical and osteopathic school deans, deans of academic affairs, and heads of internal medicine or the directors of admissions to rate program quality on a scale of "marginal" (1) to "outstanding" (5). Respondents were asked to rate program quality for both research and primary-care programs separately on a single form. The response rate was 45 percent. A research school's average score is weighted by .20; the average score in the primary-care model is weighted by .25. Residency program directors were also asked to rate programs using the same 5-point scale on two separate survey instruments. One survey dealt with research and was sent to a sample of residency program directors in fields outside primary care, including surgery, psychiatry, and radiology. The other survey involved primary care and was sent to residency directors in the fields of family practice, pediatrics, and internal medicine. The response rate for those sent the research survey was 23 percent. The response rate for those sent the primary-care survey was 20 percent. Residency directors' surveys for the two most recent years were averaged and are weighted by

.20 in the research model and by .15 in primary care. The source for the names for both of the residency directors' surveys was the Graduate Medical Education Directory 2007–2008 edition, published by the American Medical Association.

**Research activity** (.30 in research model only): Research was measured as the total dollar amount of National Institutes of Health research grants awarded to the medical school and its affiliated hospitals (.20) and the average amount of those grants calculated per full-time medical school science and clinical faculty member (.10); both factors were averaged for fiscal years 2007 and 2008. An asterisk indicates schools that reported only NIH research grants to their medical school in 2008.

**Primary-care rate** (.30 in primary-care model only): The percentage of medical or osteopathic school graduates entering primary-care residencies in the fields of family practice, pediatrics, and internal medicine was averaged over the 2006, 2007, and 2008 graduating classes.

**Student selectivity** (.20 in research model, .15 in primary-care model): This is determined by three components that describe the medical or osteopathic class entering in fall 2008: mean composite Medical College Admission Test score (65 percent), mean undergraduate grade-point average (30 percent), and the acceptance rate, which is the proportion of total applicants accepted (5 percent).

**Faculty resources** (.10 in research model, .15 in primary-care model): Resources were measured as the ratio of full-time science and clinical faculty to medical or osteopathic students in 2008.

**Overall rank:** Indicators were standardized about their means, and standardized scores were weighted, totaled, and rescaled so that the top school received 100; other schools received their percentage of the top score.

**Specialty rankings:** The rankings are based solely on ratings by medical school deans and senior faculty at peer schools. They each identified up to 10 schools offering the best medical school programs in each specialty area. Those programs receiving the most nominations in the top 10 appear here.