



Medical School Graduation Questionnaire

2018 All Schools Summary Report

July 2018

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2018 AAMC Medical School Graduation Questionnaire All Schools Summary Report & Individual School Report

Executive Summary

Background

The *All Schools Summary Report* of the 2018 Medical School Graduation Questionnaire (GQ) provides aggregate data from graduates of U.S. MD-granting medical schools accredited by the Liaison Committee on Medical Education (LCME). The *All Schools Summary Report* is made available to the public. In addition, each accredited medical school receives separately an *Individual School Report* showing data from its graduating students who responded to the GQ, with comparisons to the national data. By request, regional and clinical campuses under the aegis of an accredited institution are also issued GQ campus reports if there are five or more student respondents from the campus. Eighty-three percent (16,223) of medical school graduates in academic year 2017-2018 (19,537) participated in the 2018 GQ.

The GQ was established in 1978 as a method for the Association of American Medical Colleges (AAMC), medical schools, and other organizations to identify and address issues critical to the future of medical education and the well-being of medical students. These issues include: students' satisfaction with their educational program's ability to prepare them for residency; students' career and specialty plans; the costs of medical education; and students' experiences of mistreatment in the learning environment. Since its inception, the GQ has been a tool used by medical schools, faculty, students, researchers, and the LCME for benchmarking and improving medical education.

The attached report displays five years of data, 2014 through 2018, where comparable data are available.

Methodology

The data in the 2018 GQ *All Schools Summary Report* reflect the responses of 16,223 graduates of the 141 U.S. medical schools that graduated students in the 2017-2018 academic year. According to the AAMC Student Records System (SRS) as of July 9, 2018, these 16,223 respondents represent 83.0% of the 19,537 medical students who graduated from July 1, 2017 through June 30, 2018. Survey data for participating individuals may not be comparable to data for nonparticipants. The 2018 results include responses from the first graduating class at Western Michigan University Homer Stryker M.D. School of Medicine.

The 2018 GQ was open for participation from February 14, 2018 through June 8, 2018. The initial participants were individuals with expected graduation dates between July 1, 2017 and June 30, 2018 as identified by SRS data and confirmed by medical school personnel in January 2018. While the survey was open, medical schools could request changes to the list of eligible participants to reflect changes in expected graduation status. Through a variety of measures, medical schools independently encouraged graduating students to participate. The AAMC also sent email invitations and monthly reminders to eligible students.

Percentages displayed in the reports may not sum to 100 due to rounding or to collection formats permitting more than one response. Where the reports appear to have missing columns, rows, or blank spaces within rows, these correspond to unavailable data for a particular survey item in a given year, usually due to changes in when the survey item was offered, or to alterations to the item affecting the comparability of the data. These are to be distinguished from data with a displayed percent of '0.0', which correspond to real survey response options that were selected by no, or very few, respondents.

Selected Findings

Graduates Report Satisfaction with Their Medical School Education and Development as Physicians

Just under 90% of medical school graduates who responded to the 2018 GQ either agreed or strongly agreed with the statement, “Overall, I am satisfied with the quality of my medical education” (89.3%). The 2018 graduates also affirmed their readiness for the next phase of their training, with 90.7% stating they agreed or strongly agreed they “have acquired the clinical skills required to begin a residency program.”

The majority (91.8%) of 2018 medical school graduates who responded to the GQ agreed or strongly agreed that “My medical school has done a good job of fostering and nurturing my development as a future physician”, and 72.1% agreed or strongly agreed with the statement, “My medical school has done a good job of fostering and nurturing my development as a person.”

Percentage of Students Reporting Clinical Observation and Feedback Continues to Increase

In 2018, there were small increases in the share of graduating medical students who reported that, during core clerkships, they were observed taking patient histories and performing patient exams. Similar increases were also seen in the number of graduates who confirmed that they received mid-clerkship feedback. These increases were seen in all six core clerkships and extend gains observed in previous years.

Students Increase Engagement in Research Activities

A majority of medical school graduates who responded to the 2018 GQ indicated they had participated in a research project with a faculty member (78.8% in 2018, compared to 69.3% in 2014). Similarly, more than half reported authoring a peer-reviewed article submitted for publication (50.5%, compared to 42.0% in 2014) or authoring a peer-reviewed poster or oral presentation (56.7%, compared to 43.6% in 2014).

Graduates Report Higher Approval with Electives Advice

The portion of 2018 medical school graduates who said they agree or strongly agree that they “received appropriate guidance in the selection of electives” was 71.1%. Those who said they “strongly agree” has risen in recent years. In 2018, the portion who stated they “strongly agree” was 26.7%; by comparison, in 2014 the portion was 18.2%.

Student Diversity Enhances Training, More Graduates Agree

The benefits of having a diverse student body have been increasingly confirmed by the medical school graduates of recent years. In the 2018 GQ, 31.8% of respondents said they “strongly agree” that “the diversity within my medical school class enhanced my training and skills to work with individuals from different backgrounds.” As a comparison, in 2014, respondents who strongly agreed totaled 22.5%. Relatedly, by an even larger share, 2018 medical school graduates expressed appreciation for the value of being exposed to diverse populations. More than eight of every ten (86.1%) respondents to the 2018 GQ said they agree or strongly agree that their knowledge was “influenced or changed by becoming more aware of the perspectives of individuals from different backgrounds.”

Medical School Debt Stays Constant, and Total Educational Debt Rises

Just under 28% of respondents to the 2018 GQ reported graduating with no medical school debt (27.7%). The share of medical school graduates who report no medical school debt has grown steadily in recent years; in 2014, the share was 17.4%. For those graduating with debt, the median medical school debt reported was \$195,000, an increase of 8.3% over the median reported by 2017 graduates (\$180,000). For total educational debt, the sum of premedical educational debt and medical school debt, the median reported by indebted students in 2018 was

\$200,000. Over 45% of those carrying debt said they plan to enter a loan forgiveness program (45.7%). Of those who plan to enter a loan forgiveness program, three quarters of respondents identified the Department of Education's Public Loan Forgiveness Program (76.3%) in their repayment plans.

As an Influence on Medical Specialty Choice, Debt Weakens

The percentage of medical school graduates who said their educational debt affected their choice of medical specialty has decreased continuously in recent years. In 2018, over 55% of respondents to the GQ said that debt had "no influence" on specialty choice (55.3%); 21.3% allowed that debt had either a "strong" (6.3%) or "moderate" (15.0%) influence.

The strongest influence on specialty choice reported in the 2018 GQ was "Fit with personality, interests, and skills" as 87.6% of respondents indicated that this had a "strong influence." Similarly, "Content of specialty" was endorsed by 83.8% of respondents as having a strong influence. The third most frequently cited "strong influence" on specialty choice by 2018 graduates was "Role model influence" (50.8%). These have been the most frequently cited influences on specialty choice by each of the past five classes of medical school graduates.

In Career Plans, Caring for the Underserved Strengthens

The percentage of medical school graduates who "plan to care primarily for an underserved population" increased in 2018, to 34.7% of GQ respondents. This number has grown by seven points since 2014 (27.3%). The share of new graduates who "plan to work primarily in an underserved area" also increased slightly. Among 2018 GQ respondents, 26.4% said they planned to work in underserved areas, up from 25.5% last year.

Awareness of Mistreatment Policies and Procedures Continues to Climb

Over 97% of respondents to the 2018 GQ said they were aware their "school has policies regarding the mistreatment of medical students" (97.5%). This is up slightly from 2017 (97.0%). Similarly, when asked about the procedures at their school for reporting mistreatment, 88.1% of 2018 graduates said they knew about such procedures, up nearly 10 points compared to 2014 (78.6%).

Indicators of Mistreatment Experienced by Medical Students Increase

The medical school graduates of 2018 were slightly more likely than previous classes to state that they personally experienced negative behaviors directed at them while in medical school. The GQ asks respondents to indicate how frequently they experienced any of 16 types of behaviors, including public humiliation, derogatory remarks, and discrimination based on gender, race, sexual orientation, or other personal traits or beliefs. The percentage of 2018 medical school graduates who reported experiencing "once" or more any of these behaviors (excluding "embarrassment") during their time in medical school was 42.1%, up 2.8 points over what was reported by 2017 graduates (39.3%).

Medical School Graduates Self-Report Their Marital Status, Gender, Sexual Orientation

Just under a quarter of U.S. medical school graduates reported being legally married (24.3%). Fewer than one in ten (8.3%) reported having dependents other than a spouse. Sixty-seven individuals among 15,299 responding (0.4%) self-identified as having a gender identity that was different from the sex they were assigned at birth. Medical school graduates who identified as "heterosexual or straight" were 93.2% of respondents, those who identified as "gay or lesbian" were 3.9% of respondents, and those who identified as "bisexual" were 2.9%.

Copies of the GQ survey are available at www.aamc.org/gq.

Providing Feedback

For inquiries or feedback regarding the GQ surveys or reports, contact gq@aamc.org.

		All Schools				
		2014	2015	2016	2017	2018
Total number of students who responded to the questionnaire:		14,877	14,939	15,232	15,609	16,223
1. Sex:	Note: The data are from other AAMC data sources.					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Male		51.3	50.9	52.2	51.3	50.9
Female		48.7	49.1	47.8	48.7	49.1
Number of respondents		14,877	14,939	15,232	15,609	16,222
2. Age at graduation:	Note: The data are from other AAMC data sources.					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Under 24		0.3	0.5	0.3	0.3	0.4
24 through 26		43.4	42.1	41.8	40.0	39.9
27 through 29		39.2	40.3	40.4	42.2	41.7
30 through 32		11.6	11.3	11.5	11.8	12.0
Over 32		5.5	5.8	6.0	5.6	6.0
Number of respondents		14,877	14,939	15,232	15,609	16,223
3. How do you self-identify?	Note: The data are from other AAMC data sources. Percentages may not sum to 100% as multiple responses were allowed. Race/ethnicity data are only displayed for U.S. citizens and permanent residents.					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
American Indian or Alaska Native		0.7	0.7	0.8	0.8	0.7
Asian		21.8	21.9	23.4	22.9	23.1
Black or African American		5.9	5.6	6.3	6.2	5.8
Hispanic, Latino, or of Spanish origin		7.4	7.5	8.2	8.4	8.8
Native Hawaiian or Other Pacific Islander		0.2	0.1	0.3	0.3	0.2
White		66.1	67.2	69.0	65.0	64.9
Other		2.7	2.8	0.4	2.9	2.9
Non-US citizen and Non-permanent resident		2.0	1.9	1.9	1.6	1.7
Number of respondents		14,840	14,882	15,062	15,464	16,064
4. What is your current marital status?						
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Single (never legally married)				72.7	73.9	74.3
Legally married				25.7	24.6	24.3
Common law or civil union				0.4	0.4	0.4
Divorced				1.0	0.9	0.8
Separated, but still legally married				0.1	0.2	0.1
Widowed				0.1	0.0	0.0
Number of respondents				13,866	14,360	15,319

		All Schools				
		2014	2015	2016	2017	2018
		Percent	Percent	Percent	Percent	Percent
5.	How many dependents do you have (not including a spouse/partner)?					
	None			90.8	91.1	91.7
	One			5.3	5.4	4.9
	Two			2.8	2.6	2.3
	Three			0.8	0.7	0.8
	Four or more			0.4	0.2	0.4
	Number of respondents			13,857	14,349	15,301

		Percent	Percent	Percent	Percent	Percent
6.	Type of degree program:					
	Note: The data are from the AAMC Student Records System.					
	MD	90.9	90.3	90.5	90.5	90.9
	Joint BA/MD	2.9	3.1	3.2	2.7	2.6
	Joint MD/MBA	0.5	0.6	0.7	0.8	0.8
	Joint MD/MPH	1.1	1.6	1.4	1.8	1.7
	Joint MD/PhD	3.2	3.2	3.2	3.1	3.0
	Joint MD/Other	1.3	1.1	1.0	1.2	1.0
	Number of respondents	14,877	14,939	15,232	15,609	16,223

		Percentage of Respondents Selecting Each Rating					Count
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	
7.	Please indicate the extent to which you agree with the following statement:						
	Overall, I am satisfied with the quality of my medical education						
	All Medical Schools 2018	1.0	3.1	6.6	51.0	38.3	16,153
	All Medical Schools 2017	0.8	3.0	6.2	50.2	39.7	15,589
	All Medical Schools 2016	1.0	2.8	6.1	50.3	39.8	15,213
	All Medical Schools 2015	0.8	2.6	5.7	49.2	41.7	14,842
	All Medical Schools 2014	0.7	2.6	5.3	51.0	40.4	14,865

		Percentage of Respondents Selecting Each Rating					Count
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	
8.	Based on your experiences, indicate whether you agree or disagree with the following statements about medical school:						
	Basic science coursework had sufficient illustrations of clinical relevance.						
	All Medical Schools 2018	1.3	7.7	13.8	53.1	24.1	16,078
	All Medical Schools 2017	1.0	7.6	13.9	53.1	24.4	15,329
	All Medical Schools 2016	1.4	7.8	12.6	54.0	24.2	14,932
	All Medical Schools 2015	1.1	7.4	13.2	55.1	23.2	14,653
	All Medical Schools 2014	1.3	8.7	14.6	55.2	20.2	14,495
	Required clinical experiences integrated basic science content.						
	All Medical Schools 2018	0.7	4.6	14.1	55.1	25.6	16,028
	All Medical Schools 2017	0.7	4.6	14.0	55.0	25.7	15,257
	All Medical Schools 2016	0.9	5.1	13.2	55.7	25.1	14,861
	All Medical Schools 2015	0.7	5.1	14.7	55.9	23.5	14,552
	All Medical Schools 2014	0.7	5.0	14.8	57.9	21.6	14,415

9. How well did your study of the following sciences basic to medicine prepare you for clinical clerkships and electives?

Note: Respondents had the option to select "Not applicable"; these data are not included in the report calculations and counts.

		Percentage of Respondents Selecting Each Rating				
		Poor	Fair	Good	Excellent	Count
Biochemistry						
All Medical Schools	2018	10.0	27.7	40.1	22.2	15,780
All Medical Schools	2017	10.1	27.0	40.9	22.0	15,109
All Medical Schools	2016	10.5	27.1	40.1	22.3	14,710
All Medical Schools	2015	9.5	27.2	41.0	22.3	14,428
All Medical Schools	2014	10.3	28.7	40.9	20.1	14,434
Biostatistics and epidemiology						
All Medical Schools	2018	7.5	23.9	42.6	26.0	15,897
All Medical Schools	2017	6.7	23.7	43.3	26.3	15,241
All Medical Schools	2016	7.0	23.7	43.6	25.8	14,818
All Medical Schools	2015	6.5	24.3	44.2	25.0	14,545
All Medical Schools	2014	6.9	25.3	44.1	23.7	14,528
Genetics						
All Medical Schools	2018	5.2	23.4	47.2	24.2	15,915
All Medical Schools	2017	4.6	23.1	48.5	23.8	15,210
All Medical Schools	2016	4.8	23.7	47.1	24.5	14,833
All Medical Schools	2015	4.8	23.1	48.7	23.4	14,556
All Medical Schools	2014	5.2	25.0	48.5	21.4	14,520
Gross anatomy						
All Medical Schools	2018	3.3	10.5	33.6	52.6	16,005
All Medical Schools	2017	3.0	10.4	34.3	52.3	15,308
All Medical Schools	2016	2.7	9.6	33.6	54.1	14,910
All Medical Schools	2015	2.8	9.5	34.5	53.2	14,625
All Medical Schools	2014	2.7	9.9	35.5	52.0	14,623
Immunology						
All Medical Schools	2018	3.5	15.5	45.6	35.5	15,973
All Medical Schools	2017	3.1	14.9	46.3	35.7	15,244
All Medical Schools	2016	3.6	15.8	45.8	34.8	14,831
All Medical Schools	2015	4.0	15.5	46.5	34.0	14,559
All Medical Schools	2014	3.3	15.9	47.0	33.8	14,545
Introduction to Clinical Medicine/Introduction to the Patient						
All Medical Schools	2018	1.8	6.7	30.0	61.5	15,759
All Medical Schools	2017	1.7	7.3	29.4	61.6	15,101
All Medical Schools	2016	1.8	6.9	29.9	61.4	14,712
All Medical Schools	2015	1.8	6.9	30.2	61.1	14,438
All Medical Schools	2014	1.8	7.6	31.5	59.1	14,439
Microanatomy/Histology						
All Medical Schools	2018	6.8	22.1	41.5	29.7	15,880
All Medical Schools	2017	6.1	21.4	42.7	29.8	15,198
All Medical Schools	2016	6.0	20.7	43.0	30.2	14,800
All Medical Schools	2015	5.5	20.5	44.0	30.0	14,522
All Medical Schools	2014	5.8	22.3	44.4	27.5	14,532

9. How well did your study of the following sciences basic to medicine prepare you for clinical clerkships and electives?

Note: Respondents had the option to select "Not applicable"; these data are not included in the report calculations and counts. (Continued)

		Percentage of Respondents Selecting Each Rating				
		Poor	Fair	Good	Excellent	Count
Microbiology						
All Medical Schools	2018	3.8	12.6	38.9	44.8	15,972
All Medical Schools	2017	3.3	12.8	41.3	42.6	15,272
All Medical Schools	2016	4.0	13.1	41.0	41.9	14,866
All Medical Schools	2015	3.5	13.4	41.9	41.2	14,592
All Medical Schools	2014	3.6	13.6	43.0	39.8	14,587
Neuroscience						
All Medical Schools	2018	4.0	12.4	38.3	45.2	15,983
All Medical Schools	2017	4.0	12.2	38.1	45.7	15,266
All Medical Schools	2016	3.4	11.7	38.3	46.5	14,883
All Medical Schools	2015	3.1	11.5	39.6	45.8	14,622
All Medical Schools	2014	3.3	12.4	40.6	43.7	14,599
Pathology						
All Medical Schools	2018	2.6	12.5	40.1	44.9	15,921
All Medical Schools	2017	2.5	11.9	39.8	45.8	15,222
All Medical Schools	2016	2.5	10.7	39.3	47.5	14,833
All Medical Schools	2015	2.4	11.0	39.5	47.1	14,554
All Medical Schools	2014	2.2	11.2	39.2	47.4	14,547
Pharmacology						
All Medical Schools	2018	7.3	17.0	38.5	37.2	15,985
All Medical Schools	2017	6.3	16.8	39.4	37.5	15,281
All Medical Schools	2016	6.3	16.1	39.6	38.1	14,905
All Medical Schools	2015	5.7	16.4	40.3	37.6	14,616
All Medical Schools	2014	6.1	16.2	39.7	38.0	14,606
Physiology						
All Medical Schools	2018	2.1	8.1	37.0	52.8	15,968
All Medical Schools	2017	1.7	7.5	37.3	53.5	15,249
All Medical Schools	2016	1.6	7.5	37.1	53.8	14,842
All Medical Schools	2015	1.8	7.4	37.3	53.6	14,561
All Medical Schools	2014	1.8	7.9	37.0	53.4	14,549
Behavioral science						
All Medical Schools	2018	2.5	11.3	43.6	42.6	15,770
All Medical Schools	2017	2.2	11.5	44.6	41.7	15,095
All Medical Schools	2016	2.4	12.1	44.0	41.5	14,737
All Medical Schools	2015	2.3	12.3	45.4	40.0	14,392
All Medical Schools	2014	2.8	13.5	46.5	37.2	14,394
Pathophysiology of disease						
All Medical Schools	2018	1.0	5.5	35.4	58.0	15,828
All Medical Schools	2017	1.2	5.3	34.3	59.2	15,117
All Medical Schools	2016	1.1	5.0	34.2	59.7	14,719
All Medical Schools	2015	1.0	5.2	34.7	59.1	14,414
All Medical Schools	2014	1.0	5.0	35.1	58.9	14,383

10. Rate the quality of your educational experiences in the following clerkships. If you participated in an integrated clerkship, please answer this question in terms of your educational experience in each discipline. If you had no clinical experiences in the discipline, select "Not applicable."

Note: "Not applicable" responses are not included in the report calculations and counts.

		Percentage of Respondents Selecting Each Rating				
		Poor	Fair	Good	Excellent	Count
Emergency Medicine						
All Medical Schools	2018	3.6	9.0	32.0	55.5	11,821
All Medical Schools	2017	3.1	9.2	32.1	55.5	10,996
All Medical Schools	2016	2.8	9.5	31.7	56.0	10,580
All Medical Schools	2015	3.1	9.6	32.5	54.8	10,344
All Medical Schools	2014	3.0	9.5	33.7	53.8	10,211
Family Medicine						
All Medical Schools	2018	3.6	11.7	31.2	53.6	15,355
All Medical Schools	2017	3.7	10.6	33.1	52.6	14,690
All Medical Schools	2016	3.8	11.6	32.8	51.8	14,359
All Medical Schools	2015	4.1	11.9	33.7	50.3	14,125
All Medical Schools	2014	4.4	12.4	34.6	48.6	13,740
Internal Medicine						
All Medical Schools	2018	1.8	7.1	29.5	61.6	16,046
All Medical Schools	2017	1.7	7.0	28.4	62.8	15,354
All Medical Schools	2016	2.0	6.7	28.8	62.6	14,947
All Medical Schools	2015	1.7	6.7	29.4	62.2	14,694
All Medical Schools	2014	1.7	6.7	29.9	61.8	14,354
Neurology						
All Medical Schools	2018	5.7	16.5	36.4	41.4	14,539
All Medical Schools	2017	6.1	17.3	36.1	40.6	13,715
All Medical Schools	2016	6.9	17.0	36.7	39.4	13,511
All Medical Schools	2015	6.3	18.0	37.6	38.2	13,002
All Medical Schools	2014	6.9	19.9	38.3	35.0	12,807
Obstetrics-Gynecology/Women's Health						
All Medical Schools	2018	6.8	13.9	33.4	45.9	16,033
All Medical Schools	2017	6.5	14.0	33.9	45.5	15,361
All Medical Schools	2016	7.0	14.4	34.8	43.9	14,957
All Medical Schools	2015	6.6	14.5	34.8	44.1	14,686
All Medical Schools	2014	6.6	14.7	36.1	42.5	14,357
Pediatrics						
All Medical Schools	2018	3.2	10.3	32.8	53.8	16,045
All Medical Schools	2017	3.2	10.5	33.7	52.6	15,364
All Medical Schools	2016	3.0	10.4	32.3	54.3	14,941
All Medical Schools	2015	3.1	9.8	33.5	53.6	14,694
All Medical Schools	2014	3.0	10.3	34.5	52.1	14,365
Psychiatry						
All Medical Schools	2018	2.5	9.6	33.3	54.6	16,036
All Medical Schools	2017	2.9	9.8	34.1	53.2	15,349
All Medical Schools	2016	3.1	10.4	34.6	51.9	14,939
All Medical Schools	2015	3.2	11.0	35.6	50.2	14,670
All Medical Schools	2014	3.6	11.9	37.9	46.7	14,343

10. Rate the quality of your educational experiences in the following clerkships. If you participated in an integrated clerkship, please answer this question in terms of your educational experience in each discipline. If you had no clinical experiences in the discipline, select "Not applicable."

Note: "Not applicable" responses are not included in the report calculations and counts. (Continued)

		Percentage of Respondents Selecting Each Rating				
		Poor	Fair	Good	Excellent	Count
Surgery						
All Medical Schools	2018	5.1	13.1	34.8	47.0	16,024
All Medical Schools	2017	5.1	12.5	34.7	47.7	15,357
All Medical Schools	2016	4.9	11.9	35.2	48.0	14,937
All Medical Schools	2015	4.5	12.1	35.5	47.9	14,674
All Medical Schools	2014	4.3	12.3	38.3	45.0	14,342

	All Schools				
	2014	2015	2016	2017	2018
11. Clerkship Experiences: Family Medicine					
	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Family Medicine: Were you observed taking the relevant portions of the patient history?					
Yes	85.8	87.3	88.9	90.0	91.0
No	14.2	12.7	11.1	10.0	9.0
Number of respondents	13,669	14,068	14,279	14,626	15,293
	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Family Medicine: Were you observed performing the relevant portions of the physical or mental status exam?					
Yes	88.3	89.3	90.9	91.7	92.7
No	11.7	10.7	9.1	8.3	7.3
Number of respondents	13,621	14,027	14,223	14,563	15,228
	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Family Medicine: Were you provided with mid-clerkship feedback?					
Yes	93.3	94.0	94.8	95.0	95.2
No	6.7	6.0	5.2	5.0	4.8
Number of respondents	13,612	14,014	14,228	14,566	15,221

		Percentage of Respondents Selecting Each Rating					Count
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	
Family Medicine: Faculty provided effective teaching during the clerkship							
All Medical Schools	2018	2.1	3.7	8.7	34.1	51.3	15,238
All Medical Schools	2017	1.7	3.8	9.3	36.4	48.9	14,546
All Medical Schools	2016	1.7	3.9	9.1	36.8	48.5	14,195
All Medical Schools	2015	1.9	4.0	9.0	37.0	48.1	13,993
All Medical Schools	2014	2.2	4.0	9.6	37.1	47.1	13,588

Family Medicine: Residents provided effective teaching during the clerkship
Note: Respondents had the option to select "Not applicable"; these data are not included in the report calculations and counts.

All Medical Schools	2018	2.2	3.4	9.1	32.8	52.5	8,215
All Medical Schools	2017	1.7	4.0	9.7	31.6	53.0	7,715
All Medical Schools	2016	2.1	3.8	9.7	33.5	51.0	7,460
All Medical Schools	2015	1.8	4.5	10.6	33.8	49.3	7,310
All Medical Schools	2014	2.5	5.1	11.0	33.5	47.9	6,969

		All Schools				
		2014	2015	2016	2017	2018
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
11. Clerkship Experiences: Internal Medicine						
Internal Medicine: Were you observed taking the relevant portions of the patient history?						
Yes		91.5	91.5	92.7	93.4	93.9
No		8.5	8.5	7.3	6.6	6.1
Number of respondents		14,264	14,618	14,861	15,275	15,972
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Internal Medicine: Were you observed performing the relevant portions of the physical or mental status exam?						
Yes		92.8	92.9	93.8	94.3	94.8
No		7.2	7.1	6.2	5.7	5.2
Number of respondents		14,209	14,570	14,796	15,206	15,905
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Internal Medicine: Were you provided with mid-clerkship feedback?						
Yes		96.8	97.2	97.7	98.0	98.0
No		3.2	2.8	2.3	2.0	2.0
Number of respondents		14,199	14,559	14,803	15,210	15,914

		Percentage of Respondents Selecting Each Rating					
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Count
Internal Medicine: Faculty provided effective teaching during the clerkship							
All Medical Schools	2018	1.1	1.9	4.9	27.9	64.2	15,938
All Medical Schools	2017	0.8	1.6	5.0	30.0	62.6	15,182
All Medical Schools	2016	0.9	1.7	4.9	29.8	62.7	14,735
All Medical Schools	2015	0.7	1.9	4.9	30.5	62.0	14,518
All Medical Schools	2014	1.0	1.8	4.4	29.9	62.9	14,168

Internal Medicine: Residents provided effective teaching during the clerkship

Note: Respondents had the option to select "Not applicable"; these data are not included in the report calculations and counts.

All Medical Schools	2018	1.0	1.9	4.3	24.7	68.2	15,321
All Medical Schools	2017	0.8	1.7	4.6	25.2	67.7	14,574
All Medical Schools	2016	0.9	1.6	4.2	25.4	67.9	14,159
All Medical Schools	2015	0.9	1.9	4.2	26.0	67.0	14,002
All Medical Schools	2014	1.1	2.0	4.2	26.6	66.2	13,711

		All Schools				
		2014	2015	2016	2017	2018
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
11. Clerkship Experiences: Neurology						
Neurology: Were you observed taking the relevant portions of the patient history?						
Yes		76.1	78.7	81.4	82.9	84.5
No		23.9	21.3	18.6	17.1	15.5
Number of respondents		12,716	12,964	13,458	13,653	14,478
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Neurology: Were you observed performing the relevant portions of the physical or mental status exam?						
Yes		86.5	87.7	89.5	90.9	92.0
No		13.5	12.3	10.5	9.1	8.0
Number of respondents		12,686	12,933	13,406	13,607	14,417
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Neurology: Were you provided with mid-clerkship feedback?						
Yes		83.7	85.4	87.4	88.5	89.2
No		16.3	14.6	12.6	11.5	10.8
Number of respondents		12,675	12,915	13,414	13,596	14,413

		Percentage of Respondents Selecting Each Rating					
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Count
Neurology: Faculty provided effective teaching during the clerkship							
All Medical Schools	2018	1.7	4.8	12.0	35.6	45.9	14,439
All Medical Schools	2017	1.8	4.8	12.9	37.3	43.2	13,574
All Medical Schools	2016	2.0	5.4	12.8	37.4	42.3	13,348
All Medical Schools	2015	1.9	5.2	12.7	39.0	41.3	12,885
All Medical Schools	2014	2.3	5.8	13.1	38.8	40.1	12,622

Neurology: Residents provided effective teaching during the clerkship
Note: Respondents had the option to select "Not applicable"; these data are not included in the report calculations and counts.

All Medical Schools	2018	2.1	5.3	11.7	32.5	48.4	12,067
All Medical Schools	2017	1.9	5.7	11.9	33.3	47.2	11,460
All Medical Schools	2016	2.3	6.1	12.3	33.4	45.8	11,419
All Medical Schools	2015	2.3	5.9	13.0	34.1	44.7	10,963
All Medical Schools	2014	2.7	6.8	12.4	34.9	43.3	10,805

		All Schools				
		2014	2015	2016	2017	2018
11. Clerkship Experiences: Obstetrics-Gynecology/Women's Health		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Obstetrics-Gynecology/Women's Health: Were you observed taking the relevant portions of the patient history?						
Yes		77.9	78.9	81.8	83.3	84.4
No		22.1	21.1	18.2	16.7	15.6
Number of respondents		14,230	14,601	14,845	15,257	15,971
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Obstetrics-Gynecology/Women's Health: Were you observed performing the relevant portions of the physical or mental status exam?						
Yes		88.7	88.8	90.1	91.0	91.2
No		11.3	11.2	9.9	9.0	8.8
Number of respondents		14,195	14,570	14,797	15,205	15,915
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Obstetrics-Gynecology/Women's Health: Were you provided with mid-clerkship feedback?						
Yes		91.1	92.3	93.2	93.6	94.0
No		8.9	7.7	6.8	6.4	6.0
Number of respondents		14,192	14,548	14,802	15,214	15,910

		Percentage of Respondents Selecting Each Rating					
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Count
Obstetrics-Gynecology/Women's Health: Faculty provided effective teaching during the clerkship							
All Medical Schools	2018	3.0	6.7	12.6	37.1	40.6	15,944
All Medical Schools	2017	2.8	6.7	13.8	38.4	38.3	15,193
All Medical Schools	2016	2.9	6.4	14.0	39.5	37.2	14,777
All Medical Schools	2015	2.9	6.8	14.2	39.3	36.9	14,529
All Medical Schools	2014	3.0	6.9	13.2	39.5	37.4	14,169

Obstetrics-Gynecology/Women's Health: Residents provided effective teaching during the clerkship
Note: Respondents had the option to select "Not applicable"; these data are not included in the report calculations and counts.

All Medical Schools	2018	5.5	8.6	12.2	32.1	41.7	14,258
All Medical Schools	2017	4.8	7.9	12.1	32.6	42.7	13,603
All Medical Schools	2016	5.1	7.7	12.3	32.6	42.3	13,377
All Medical Schools	2015	5.1	8.0	11.6	33.3	41.9	13,203
All Medical Schools	2014	5.2	8.5	12.0	34.4	39.9	12,854

		All Schools				
		2014	2015	2016	2017	2018
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
11. Clerkship Experiences: Pediatrics						
Pediatrics: Were you observed taking the relevant portions of the patient history?						
Yes		89.0	90.0	91.4	92.2	92.8
No		11.0	10.0	8.6	7.8	7.2
Number of respondents		14,247	14,618	14,847	15,274	15,970
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Pediatrics: Were you observed performing the relevant portions of the physical or mental status exam?						
Yes		91.3	91.9	92.8	93.5	94.1
No		8.7	8.1	7.2	6.5	5.9
Number of respondents		14,199	14,579	14,794	15,220	15,901
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Pediatrics: Were you provided with mid-clerkship feedback?						
Yes		95.0	95.2	96.0	96.3	96.6
No		5.0	4.8	4.0	3.7	3.4
Number of respondents		14,198	14,571	14,808	15,210	15,908

		Percentage of Respondents Selecting Each Rating					
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Count
Pediatrics: Faculty provided effective teaching during the clerkship							
All Medical Schools	2018	1.2	2.7	7.1	34.1	54.8	15,948
All Medical Schools	2017	1.1	2.7	8.1	36.4	51.8	15,197
All Medical Schools	2016	1.2	2.8	7.6	35.6	52.9	14,765
All Medical Schools	2015	1.1	2.9	7.7	35.5	52.8	14,536
All Medical Schools	2014	1.2	2.5	7.3	36.8	52.1	14,170

Pediatrics: Residents provided effective teaching during the clerkship
Note: Respondents had the option to select "Not applicable"; these data are not included in the report calculations and counts.

All Medical Schools	2018	1.9	3.7	8.2	32.4	53.8	14,421
All Medical Schools	2017	1.8	4.1	8.7	32.5	52.9	13,783
All Medical Schools	2016	2.0	3.6	8.6	32.4	53.4	13,536
All Medical Schools	2015	1.6	4.0	8.9	32.7	52.7	13,318
All Medical Schools	2014	1.8	4.3	8.6	34.6	50.7	13,079

		All Schools				
		2014	2015	2016	2017	2018
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
11. Clerkship Experiences: Psychiatry						
Psychiatry: Were you observed taking the relevant portions of the patient history?						
Yes		89.0	90.4	91.7	92.5	93.2
No		11.0	9.6	8.3	7.5	6.8
Number of respondents		14,224	14,603	14,843	15,257	15,968
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Psychiatry: Were you observed performing the relevant portions of the physical or mental status exam?						
Yes		87.6	89.1	90.6	91.5	92.5
No		12.4	10.9	9.4	8.5	7.5
Number of respondents		14,176	14,568	14,787	15,212	15,897
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Psychiatry: Were you provided with mid-clerkship feedback?						
Yes		90.7	91.9	93.4	93.9	94.6
No		9.3	8.1	6.6	6.1	5.4
Number of respondents		14,171	14,549	14,799	15,206	15,885

		Percentage of Respondents Selecting Each Rating					
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Count
Psychiatry: Faculty provided effective teaching during the clerkship							
All Medical Schools	2018	1.4	3.5	8.7	35.5	50.9	15,926
All Medical Schools	2017	1.4	3.5	9.3	37.7	48.2	15,164
All Medical Schools	2016	1.5	3.8	9.8	37.3	47.6	14,748
All Medical Schools	2015	1.4	4.0	10.3	37.9	46.4	14,519
All Medical Schools	2014	1.7	4.2	10.9	39.7	43.5	14,146

Psychiatry: Residents provided effective teaching during the clerkship
Note: Respondents had the option to select "Not applicable"; these data are not included in the report calculations and counts.

All Medical Schools	2018	1.3	3.7	9.9	34.2	50.9	12,509
All Medical Schools	2017	1.6	4.4	11.1	34.9	48.1	11,890
All Medical Schools	2016	2.0	5.0	11.8	35.2	46.0	11,628
All Medical Schools	2015	2.1	5.5	11.7	36.1	44.5	11,461
All Medical Schools	2014	2.2	6.2	12.6	36.6	42.3	11,250

		All Schools				
		2014	2015	2016	2017	2018
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
11. Clerkship Experiences: Surgery						
Surgery: Were you observed taking the relevant portions of the patient history?						
Yes		66.4	68.7	72.4	74.4	74.9
No		33.6	31.3	27.6	25.6	25.1
Number of respondents		14,198	14,568	14,819	15,234	15,968
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Surgery: Were you observed performing the relevant portions of the physical or mental status exam?						
Yes		74.9	76.6	78.8	80.4	81.0
No		25.1	23.4	21.2	19.6	19.0
Number of respondents		14,176	14,542	14,784	15,194	15,901
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Surgery: Were you provided with mid-clerkship feedback?						
Yes		88.4	89.3	91.2	92.0	92.4
No		11.6	10.7	8.8	8.0	7.6
Number of respondents		14,178	14,544	14,792	15,205	15,904

		Percentage of Respondents Selecting Each Rating					
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Count
Surgery: Faculty provided effective teaching during the clerkship							
All Medical Schools	2018	3.4	7.7	14.1	37.0	37.7	15,908
All Medical Schools	2017	3.3	7.8	15.0	38.1	35.8	15,169
All Medical Schools	2016	3.4	7.3	14.2	38.3	36.7	14,733
All Medical Schools	2015	3.3	7.9	14.5	38.5	35.9	14,502
All Medical Schools	2014	3.7	8.2	14.5	38.7	34.9	14,153

Surgery: Residents provided effective teaching during the clerkship

Note: Respondents had the option to select "Not applicable"; these data are not included in the report calculations and counts.

All Medical Schools	2018	3.7	6.4	11.1	32.0	46.7	14,636
All Medical Schools	2017	3.3	6.1	11.0	32.2	47.4	13,946
All Medical Schools	2016	3.1	5.9	10.7	32.5	47.8	13,716
All Medical Schools	2015	3.3	6.4	10.8	32.3	47.2	13,578
All Medical Schools	2014	3.6	6.6	10.5	33.9	45.3	13,192

12. Indicate whether you agree or disagree with the following statements about your preparedness for beginning a residency program:

		Percentage of Respondents Selecting Each Rating					Count
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	
I am confident that I have acquired the clinical skills required to begin a residency program.							
All Medical Schools	2018	0.5	1.9	6.9	46.5	44.2	15,923
All Medical Schools	2017	0.5	1.8	7.6	46.8	43.3	15,137
All Medical Schools	2016	0.6	2.0	7.3	47.0	43.1	14,709
All Medical Schools	2015	0.5	2.2	8.0	48.3	40.9	14,384
All Medical Schools	2014	0.4	1.6	7.1	51.0	40.0	13,707
I have the fundamental understanding of common conditions and their management encountered in the major clinical disciplines.							
All Medical Schools	2018	0.3	1.0	5.1	49.8	43.9	15,914
All Medical Schools	2017	0.3	1.1	5.3	50.7	42.6	15,112
All Medical Schools	2016	0.4	1.0	5.4	50.3	42.9	14,684
All Medical Schools	2015	0.3	1.0	5.3	53.3	40.1	14,367
All Medical Schools	2014	0.2	0.9	4.7	56.1	38.1	13,694
I have the communication skills necessary to interact with patients and health professionals.							
All Medical Schools	2018	0.2	0.1	1.2	22.0	76.4	15,887
All Medical Schools	2017	0.2	0.2	1.5	24.6	73.5	15,083
All Medical Schools	2016	0.3	0.2	1.4	24.4	73.8	14,663
All Medical Schools	2015	0.1	0.2	1.4	26.7	71.5	14,337
All Medical Schools	2014	0.1	0.2	1.5	33.1	65.2	13,673
I have basic skills in clinical decision making and the application of evidence based information to medical practice.							
All Medical Schools	2018	0.3	0.7	4.7	43.1	51.3	15,884
All Medical Schools	2017	0.3	0.7	5.0	44.0	50.0	15,056
All Medical Schools	2016	0.4	0.8	4.8	44.9	49.1	14,622
All Medical Schools	2015	0.3	0.8	5.1	48.4	45.4	14,304
All Medical Schools	2014	0.2	0.6	3.9	50.4	45.0	13,663
I have a fundamental understanding of the issues in social sciences of medicine (e.g., ethics, humanism, professionalism, organization and structure of the health care system).							
All Medical Schools	2018	0.4	1.1	4.9	37.4	56.2	15,913
All Medical Schools	2017	0.3	1.0	5.1	38.1	55.5	15,110
All Medical Schools	2016	0.4	1.2	5.0	39.0	54.3	14,683
All Medical Schools	2015	0.3	1.0	5.4	42.9	50.4	14,369
All Medical Schools	2014	0.2	0.8	4.1	47.3	47.6	13,683
I understand the ethical and professional values that are expected of the profession.							
All Medical Schools	2018	0.2	0.2	1.4	25.8	72.4	15,898
All Medical Schools	2017	0.3	0.2	1.6	27.9	70.1	15,098
All Medical Schools	2016	0.3	0.2	1.5	27.8	70.2	14,666
All Medical Schools	2015	0.2	0.1	1.6	31.0	67.1	14,348
All Medical Schools	2014	0.2	0.1	1.5	36.9	61.3	13,676
I believe I am adequately prepared to care for patients from different backgrounds.							
All Medical Schools	2018	0.3	0.7	3.1	31.8	64.1	15,870
All Medical Schools	2017	0.3	0.6	3.8	33.1	62.3	15,112
All Medical Schools	2016	0.4	0.7	3.4	33.4	62.1	14,675
All Medical Schools	2015	0.2	0.6	3.9	39.7	55.7	14,356
All Medical Schools	2014	0.2	0.4	2.8	41.3	55.4	13,661

		All Schools				
		2014	2015	2016	2017	2018
13.	Have you had a clinical training experience during medical school at a Department of Veterans Affairs medical facility?					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes	61.2	59.0	60.5	58.9	57.9
	No	38.8	41.0	39.5	41.1	42.1
	Number of respondents	14,210	14,564	14,705	15,137	15,913
	How would you rate the value of your Department of Veterans Affairs clinical training experience?					
	Note: Only those who responded "Yes" to the prior question could respond to this item.					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Poor	3.0	2.7	2.6	2.4	3.0
	Fair	5.7	5.6	5.6	6.0	6.3
	Adequate	20.6	20.9	21.6	21.8	23.6
	Very Good	36.6	36.9	38.0	37.1	35.9
	Excellent	34.1	33.8	32.2	32.7	31.1
	Number of respondents	8,687	8,590	8,881	8,892	9,191
14.	Indicate the activities you will have participated in during medical school on an elective (for credit) or volunteer (not required) basis:					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Independent study project for credit	43.8	32.5	46.6	47.8	50.4
	Research project with faculty member	69.3	69.4	74.1	77.3	78.8
	Authorship (sole or joint) of a peer-reviewed paper submitted for publication	42.0	47.8	46.5	48.6	50.5
	Authorship (sole or joint) of a peer-reviewed oral or poster presentation	43.6	52.5	50.3	53.3	56.7
	Global health experience	29.0	31.2	28.0	27.1	25.9
	Educating elementary, high school or college students about careers in health professions or biological sciences	44.9	44.7	48.4	49.6	51.6
	Providing health education (e.g., HIV/AIDS education, breast cancer awareness, smoking cessation, obesity)	59.6	60.5	61.5	61.6	63.1
	Field experience in providing health education in the community (e.g., adult/child protective services, family violence program, rape crisis hotline)	37.9	36.2	35.0	36.0	35.8
	Field experience in home care	33.1	32.6	33.3	33.2	33.2
	Learned another language in order to improve communication with patients	23.6	23.7	23.9	24.8	24.7
	Learned the proper use of the interpreter when needed	74.1	73.1	79.4	79.7	83.5
	Experience related to health disparities	71.4	61.7	75.2	76.6	79.7
	Experience related to cultural awareness and cultural competence	70.9	64.2	72.4	73.7	75.9
	Community-based research project	29.2	26.0	31.4	31.8	33.4
	Field experience in nursing home care	32.2	31.9	31.8	31.2	31.9
	Experience with a free clinic for the underserved population	74.5	73.5	73.0	72.3	74.7
	Other	3.5	1.9	2.3	2.5	1.9
	Number of respondents	14,089	14,551	14,701	15,132	15,932

15. Indicate whether you agree or disagree with the following statement:

		Percentage of Respondents Selecting Each Rating					
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Count
I received appropriate guidance in the selection of electives.							
All Medical Schools	2018	2.8	8.4	17.7	44.4	26.7	15,595
All Medical Schools	2017	2.8	8.2	17.7	45.3	26.1	14,862
All Medical Schools	2016	3.3	9.4	19.2	45.2	22.9	14,607
All Medical Schools	2015	3.9	11.7	20.4	43.2	20.9	14,445
All Medical Schools	2014	4.5	13.0	21.0	43.1	18.2	14,051

16. Based on your experiences, indicate whether you agree or disagree with the following statements:

		Percentage of Respondents Selecting Each Rating					
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Count
My knowledge or opinion was influenced or changed by becoming more aware of the perspectives of individuals from different backgrounds.							
All Medical Schools	2018	0.8	2.1	11.0	45.6	40.6	15,844
All Medical Schools	2017	0.6	2.2	11.5	46.5	39.3	15,008
All Medical Schools	2016	0.9	2.7	13.4	47.9	35.1	14,557
All Medical Schools	2015	1.0	2.1	11.5	47.7	37.7	14,435
All Medical Schools	2014	0.8	3.3	16.7	55.1	24.1	13,892
The diversity within my medical school class enhanced my training and skills to work with individuals from different backgrounds.							
All Medical Schools	2018	3.6	8.8	21.3	34.5	31.8	15,838
All Medical Schools	2017	3.7	9.0	20.9	35.5	31.0	15,029
All Medical Schools	2016	4.1	10.4	23.4	35.4	26.6	14,580
All Medical Schools	2015	4.1	10.2	23.7	35.8	26.2	14,454
All Medical Schools	2014	3.9	10.2	23.6	39.8	22.5	13,896

17. Learning Environment Scales

A shortened version of the Medical School Learning Environment Survey (MSLES) instrument consists of 7 items measuring two dimensions of the learning environment – emotional climate, and student-faculty interaction. Each subscale is calculated by summing across the items, which are measured on a 0-5 point scale. **Higher scores for each subscale indicate more positive perceptions of the learning environment.** Only participants who responded to every item on the scale are included in the summary statistics. For each subscale, the mean score, the standard deviation, and the number of respondents are displayed below. Additionally, a reliability estimate (Cronbach’s alpha) is shown as a measure of internal consistency. The measure varies from 0 to 1, and an instrument is often considered to be reliable if the estimate is 0.7 or higher.

Emotional Climate

The emotional climate subscale combines the responses of three items assessing a student’s affective response to the learning environment. These questions ask to what extent [or, how often] the educational experience leads to a sense of achievement, valuing oneself, and confidence in one’s academic abilities. The possible range of responses for the emotional climate subscale is 0 to 15. Higher scores are correlated with positive perceptions of the learning environment.

		Reliability Estimate	Mean	Standard Deviation	Count
All Medical Schools	2018	0.9	9.5	3.2	15,635
All Medical Schools	2017	0.9	9.6	3.2	14,747
All Medical Schools	2016	0.9	9.7	3.2	14,272

Student-Faculty Interaction

The student-faculty interaction subscale combines responses to four items assessing a student’s perception of faculty supportiveness. In addition to asking about perceived distance between faculty and students, these questions ask to what extent students feel that faculty are helpful when providing academic advice, when providing non-academic advice, and when answering questions and providing criticism. The possible range of responses for the student-faculty interaction subscale is 0 to 20, and higher scores are correlated with positive perceptions of the learning environment.

		Reliability Estimate	Mean	Standard Deviation	Count
All Medical Schools	2018	0.8	14.3	3.4	15,538
All Medical Schools	2017	0.8	14.3	3.4	14,621
All Medical Schools	2016	0.8	14.2	3.4	14,184

18. Think about how often you experience[d] the following at your medical school. Determine your response by choosing one of the categories of frequency given below. Choose the category that best approximates your perceptions.

		Percentage of Respondents Selecting Each Rating						
		Never	Almost never	Sometimes	Fairly often	Very often	Always	Count
There are disconnects between what I am taught about professional behaviors/attitudes and what I see being demonstrated by faculty.								
All Medical Schools	2018	7.7	37.6	34.4	9.4	7.5	3.4	15,722
All Medical Schools	2017	8.0	36.8	34.7	9.4	7.8	3.3	14,836
All Medical Schools	2016	7.3	36.7	35.0	9.6	7.8	3.6	14,374

19. Please rate how often the following professional behaviors/attitudes are demonstrated by your medical school's faculty.

		Percentage of Respondents Selecting Each Rating						
		Never	Almost never	Sometimes	Fairly often	Very often	Always	Count
Respecting patient confidentiality								
All Medical Schools	2018	0.1	0.1	1.4	6.9	36.9	54.7	15,666
All Medical Schools	2017	0.1	0.1	1.8	7.3	38.3	52.5	14,760
All Medical Schools	2016	0.1	0.1	1.7	7.2	39.1	51.8	14,276
Using professional language/avoiding derogatory language								
All Medical Schools	2018	0.6	1.3	3.7	12.3	47.2	34.9	15,667
All Medical Schools	2017	0.4	1.0	3.7	12.9	47.5	34.5	14,754
All Medical Schools	2016	0.4	1.3	3.6	13.2	47.3	34.1	14,262
Being respectful of house staff and other physicians								
All Medical Schools	2018	0.1	0.4	3.8	13.8	49.4	32.5	15,655
All Medical Schools	2017	0.1	0.3	3.7	14.6	50.1	31.3	14,752
All Medical Schools	2016	0.2	0.3	3.7	14.8	50.7	30.3	14,262
Respecting diversity								
All Medical Schools	2018	0.1	0.6	4.7	12.7	41.3	40.7	15,632
All Medical Schools	2017	0.1	0.5	4.5	12.6	41.7	40.6	14,723
All Medical Schools	2016	0.2	0.5	4.4	12.7	42.4	39.9	14,237
Being respectful of other health professions								
All Medical Schools	2018	0.1	0.5	5.3	16.7	46.3	31.2	15,579
All Medical Schools	2017	0.1	0.4	5.4	16.9	46.1	31.1	14,677
All Medical Schools	2016	0.2	0.5	5.1	17.1	46.3	30.9	14,198
Being respectful of other specialties								
All Medical Schools	2018	0.2	1.1	10.2	27.1	42.6	18.8	15,658
All Medical Schools	2017	0.2	1.3	10.0	26.5	44.4	17.6	14,752
All Medical Schools	2016	0.2	1.2	10.7	27.1	43.5	17.2	14,268
Providing direction and constructive feedback								
All Medical Schools	2018	0.2	1.7	12.5	26.5	39.4	19.7	15,647
All Medical Schools	2017	0.2	1.9	12.0	25.4	42.2	18.3	14,743
All Medical Schools	2016	0.3	1.7	12.8	25.4	41.3	18.6	14,251
Showing respectful interaction with students								
All Medical Schools	2018	0.1	0.4	5.8	19.5	49.5	24.7	15,642
All Medical Schools	2017	0.1	0.5	6.0	19.3	50.5	23.5	14,729
All Medical Schools	2016	0.2	0.4	6.2	19.4	50.6	23.2	14,243

19. Please rate how often the following professional behaviors/attitudes are demonstrated by your medical school's faculty. (Continued)

		Percentage of Respondents Selecting Each Rating						
		Never	Almost never	Sometimes	Fairly often	Very often	Always	Count
Showing empathy and compassion								
All Medical Schools	2018	0.1	0.5	5.9	19.7	49.8	24.0	15,638
All Medical Schools	2017	0.1	0.5	6.1	20.4	50.0	22.7	14,718
All Medical Schools	2016	0.2	0.5	6.2	20.5	50.2	22.4	14,239
Being respectful of patients' dignity and autonomy								
All Medical Schools	2018	0.1	0.3	3.8	14.3	46.8	34.7	15,581
All Medical Schools	2017	0.1	0.3	4.1	14.7	48.4	32.4	14,676
All Medical Schools	2016	0.1	0.3	4.3	15.4	48.6	31.2	14,168
Actively listened and showed interest in patients								
All Medical Schools	2018	0.1	0.3	4.4	17.8	51.7	25.7	15,654
All Medical Schools	2017	0.1	0.3	4.7	18.2	52.9	23.9	14,748
All Medical Schools	2016	0.1	0.3	4.7	17.9	53.4	23.7	14,260
Taking time and effort to explain information to patients								
All Medical Schools	2018	0.1	0.7	7.3	23.0	46.9	22.0	15,638
All Medical Schools	2017	0.1	0.8	7.6	22.4	48.6	20.5	14,734
All Medical Schools	2016	0.1	0.8	8.1	22.3	48.6	20.1	14,247
Advocating appropriately on behalf of his/her patients								
All Medical Schools	2018	0.1	0.4	4.8	17.3	47.8	29.6	15,630
All Medical Schools	2017	0.1	0.4	5.5	17.0	49.2	27.8	14,728
All Medical Schools	2016	0.1	0.4	5.5	17.1	49.7	27.2	14,234
Resolving conflicts in ways that respect the dignity of all involved								
All Medical Schools	2018	0.1	0.4	4.9	17.5	49.5	27.6	15,605
All Medical Schools	2017	0.1	0.4	4.9	17.3	50.4	26.8	14,713
All Medical Schools	2016	0.1	0.4	5.2	17.2	51.3	25.8	14,225

20. Indicate whether you agree or disagree with the following statements.

		Percentage of Respondents Selecting Each Rating					Count
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	
My medical school has done a good job of fostering and nurturing my development as a person							
All Medical Schools	2018	2.7	6.3	18.9	40.9	31.2	15,427
All Medical Schools	2017	2.2	6.0	17.9	40.1	33.8	13,908
All Medical Schools	2016	2.5	5.7	17.3	41.7	32.9	13,533
My medical school has done a good job of fostering and nurturing my development as a future physician							
All Medical Schools	2018	0.7	1.5	6.0	44.0	47.7	15,624
All Medical Schools	2017	0.7	1.5	6.0	42.3	49.5	14,749
All Medical Schools	2016	0.7	1.5	5.9	43.3	48.6	14,263

21. Tolerance for Ambiguity (TFA) Scale

Tolerance for Ambiguity (TFA) is a measure of one's ability to cope with situations of uncertainty. Scales measuring TFA have been used in prior research to show how ambiguity impacts medical education and medical care. TFA scores are calculated by summing across 7 items, which are measured on a 1-6 point scale. **The possible range of scores is 7 to 42, and higher scores are correlated with higher tolerance for ambiguity.** Only participants who responded to every item on the scale are included in the summary statistics. The mean TFA score, the standard deviation, and the number of respondents are displayed below. Additionally, a reliability estimate (Cronbach's alpha) is shown as a measure of internal consistency. The measure varies from 0 to 1, and an instrument is considered to be reliable if the estimate is 0.7 or higher.

Tolerance for Ambiguity (TFA) Scale		Reliability Estimate	Mean	Standard Deviation	Count
All Medical Schools	2018	0.8	24.7	6.1	15,331
All Medical Schools	2017	0.8	24.8	6.1	14,415
All Medical Schools	2016	0.8	24.8	6.2	13,894

22. Interpersonal Reactivity Index (IRI)

The Interpersonal Reactivity Index (IRI) is a measure of individual differences in empathy. Scales measuring empathy have been used in prior research to show how levels of empathy may change throughout medical education. For Y2Q purposes, the IRI consists of 8 items. These include 4 items from each of the IRI subscales – perspective taking and empathic concern. IRI scores are calculated by summing across the 8 items, which are measured on a 0-4 point scale. **The possible range of scores is 0 to 32, and higher scores are correlated with higher levels of empathy.** Only participants who responded to every item on the scale are included in the summary statistics. The mean IRI score, the standard deviation, and the number of respondents are displayed below. Additionally, a reliability estimate (Cronbach's alpha) is shown as a measure of internal consistency. The measure varies from 0 to 1, and an instrument is considered to be reliable if the estimate is 0.7 or higher.

Interpersonal Reactivity Index (IRI)		Reliability Estimate	Mean	Standard Deviation	Count
All Medical Schools	2018	0.8	23.9	4.6	15,233
All Medical Schools	2017	0.8	23.8	4.6	14,289
All Medical Schools	2016	0.8	23.6	4.7	13,822

23. Oldenburg Burnout Inventory for Medical Students Scale

The Oldenburg Burnout Inventory for Medical Students (OLBI-MS) is a modified and shortened version of the Oldenburg Burnout Inventory (OLBI). The OLBI-MS instrument consists of 16 items measuring two dimensions of burnout – exhaustion and disengagement. Each subscale is calculated by summing across the items, which are measured on a 0-3 point scale. **Higher scores are correlated with higher levels of burnout.** Only participants who responded to every item on the scale are included in the summary statistics. For each subscale, the mean score, the standard deviation, and the number of respondents are displayed below. Additionally, a reliability estimate (Cronbach’s alpha) is shown as a measure of internal consistency. The measure varies from 0 to 1, and an instrument is often considered to be reliable if the estimate is 0.7 or higher.

Disengagement

The disengagement subscale includes eight items on a 0-3 point scale and refers to distancing oneself from the object and content of medical school work and to negative attitudes toward medical school in general. The possible range of responses for the disengagement subscale is 0 to 24, and higher scores are correlated with higher levels of burnout.

		Reliability Estimate	Mean	Standard Deviation	Count
All Medical Schools	2018	0.8	9.9	3.7	15,251
All Medical Schools	2017	0.8	9.8	3.7	14,196
All Medical Schools	2016	0.8	9.8	3.6	13,691

Exhaustion

The exhaustion subscale includes eight items on a 0-3 point scale and refers to the cognitive and physical strain as a consequence of the demands of medical school. The possible range of responses for the exhaustion subscale is 0 to 24, and higher scores are correlated with higher levels of burnout.

		Reliability Estimate	Mean	Standard Deviation	Count
All Medical Schools	2018	0.8	11.1	3.6	15,198
All Medical Schools	2017	0.8	11.1	3.7	14,139
All Medical Schools	2016	0.8	11.1	3.6	13,689

All Schools

	2014	2015	2016	2017	2018
24. In which of the following activities do you plan to participate during your career?					
Note: Percentages may not sum to 100% as multiple responses are allowed.					
	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Patient Care		97.9	97.2	97.1	97.2
Research		59.7	52.2	52.9	51.3
Teaching		85.3	83.6	83.1	82.9
Medical School Faculty		45.5	45.3	45.0	44.7
Administration (e.g., Department Chair, Dean)		26.6	28.6	28.3	28.5
Military Service		4.7	4.8	4.1	4.3
Public Health		25.0	28.0	29.8	31.6
Other		2.2	3.5	3.2	3.1
Number of respondents		13,909	13,990	14,485	15,430

		All Schools				
		2014	2015	2016	2017	2018
25.	Do you anticipate providing patient care full-time or part-time?					
	Note: Only those who selected "Patient Care" at Q24 could respond to this item.					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Full-time (at least 36 hours a week)		89.7	88.2	88.4	89.5
	Part-time (less than 36 hours a week)		10.3	11.8	11.6	10.5
	Number of respondents		13,594	13,567	14,032	14,940
26.	How exclusively do you expect to be involved in research?					
	Note: Only those who selected "Research" at Q24 could respond to this item.					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Full-time		2.5	2.8	2.5	3.1
	Significantly involved		42.2	44.5	44.1	44.4
	Involved in a limited way		55.3	52.6	53.4	52.4
	Number of respondents		8,301	7,294	7,647	7,900
27.	When thinking about your career, what is your intended area of practice?					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Anesthesiology or subspecialty		6.2	5.7	5.5	5.8
	Dermatology or subspecialty		2.4	2.4	2.4	2.2
	Emergency Medicine or subspecialty		8.4	8.8	9.4	9.1
	Family Medicine or subspecialty		8.5	8.6	8.7	9.3
	Internal Medicine or subspecialty		20.0	19.6	19.0	18.5
	Internal Medicine/Pediatrics		1.9	2.0	1.8	1.8
	Medical Genetics or subspecialty		0.1	0.1	0.0	0.1
	Neurological Surgery		1.2	1.3	1.0	1.2
	Neurology or subspecialty		2.6	3.1	2.9	3.1
	Nuclear Medicine		0.0	0.0	0.0	0.0
	Obstetrics and Gynecology or subspecialty		6.1	5.9	6.3	6.3
	Ophthalmology or subspecialty		2.5	2.5	2.3	2.4
	Orthopaedic Surgery or subspecialty		4.7	4.5	4.2	4.1
	Otolaryngology or subspecialty		2.0	1.8	1.6	1.7
	Pathology or subspecialty		1.5	1.4	1.2	1.3
	Pediatrics or subspecialty		11.6	11.3	11.2	10.3
	Physical Medicine and Rehabilitation or subspecialty		1.0	1.2	1.4	1.4
	Plastic Surgery or subspecialty		0.8	0.9	1.0	0.8
	Preventive Medicine or subspecialty		0.1	0.1	0.1	0.1
	Psychiatry or subspecialty		4.4	4.9	5.3	5.6
	Radiation Oncology		1.0	0.9	1.0	1.0
	Radiology or subspecialty		3.7	4.1	4.5	4.7
	Surgery - General Surgery or subspecialty		6.2	6.1	6.2	6.1
	Thoracic Surgery or subspecialty		0.5	0.4	0.4	0.5
	Urology or subspecialty		1.6	1.6	1.6	1.7
	Vascular Surgery or subspecialty		0.3	0.3	0.3	0.3
	Undecided		0.5	0.5	0.4	0.3
	I do not plan to practice medicine		0.2	0.2	0.2	0.2
	Number of respondents		13,939	14,029	14,526	15,452

		All Schools				
		2014	2015	2016	2017	2018
28.	Do you plan, at some point in your career, to work as a hospitalist (i.e., full-time care of hospitalized patients)?					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes		18.4	18.9	17.6	19.4
	No		44.5	44.8	46.9	46.2
	Not sure		37.1	36.3	35.5	34.4
Number of respondents			13,923	14,006	14,513	15,438

29. How useful were the following resources in learning about specialty choice and career planning?

		Percentage of Respondents Selecting Each Rating					
		Did not use	Not useful	Somewhat useful	Moderately useful	Very useful	Count
Advising/Mentoring							
All Medical Schools	2018	5.0	6.3	14.8	27.8	46.1	15,414
All Medical Schools	2017	5.6	5.5	13.8	27.5	47.5	14,430
All Medical Schools	2016	5.8	6.0	13.5	27.4	47.4	13,930
All Medical Schools	2015	7.3	5.2	12.9	29.2	45.3	13,878
All Medical Schools	2014	8.4	5.8	13.3	29.6	42.9	13,370
AAMC's Careers in Medicine website							
All Medical Schools	2018	29.1	9.5	25.0	24.5	11.9	15,412
All Medical Schools	2017	30.2	8.2	23.7	24.9	13.0	14,395
All Medical Schools	2016	31.4	8.4	23.7	23.6	12.9	13,900
All Medical Schools	2015	28.7	5.5	19.5	28.6	17.8	13,839
All Medical Schools	2014	32.1	6.5	19.7	26.0	15.7	13,313
Specialty interest group-sponsored panels and presentations							
All Medical Schools	2018	13.1	5.7	23.1	32.6	25.4	15,402
All Medical Schools	2017	14.1	5.8	21.9	33.8	24.4	14,422
All Medical Schools	2016	15.0	6.1	22.7	32.8	23.5	13,901
All Medical Schools	2015	15.4	4.0	16.9	33.6	30.2	13,849
All Medical Schools	2014	16.1	4.5	18.6	34.2	26.6	13,348
School-sponsored career planning workshops and courses							
All Medical Schools	2018	26.8	9.8	22.7	27.1	13.5	15,374
All Medical Schools	2017	28.6	9.7	21.6	27.2	12.9	14,416
All Medical Schools	2016	29.2	9.2	22.7	26.3	12.6	13,899
All Medical Schools	2015	31.8	7.4	16.6	27.4	16.7	13,841
All Medical Schools	2014	37.2	7.9	16.7	24.8	13.4	13,321
Participation in in-house and extramural electives							
All Medical Schools	2018	13.8	4.0	12.2	25.7	44.3	15,386
All Medical Schools	2017	13.9	3.8	11.4	26.4	44.5	14,439
All Medical Schools	2016	13.9	3.7	11.3	25.9	45.0	13,925
All Medical Schools	2015	16.7	2.9	9.0	24.5	46.9	13,850
All Medical Schools	2014	18.5	2.9	9.6	24.9	44.1	13,341
Other publications and web-based resources							
All Medical Schools	2018	22.4	4.8	21.2	30.7	20.9	15,347
All Medical Schools	2017	22.6	4.5	21.6	31.6	19.9	14,397
All Medical Schools	2016	23.5	4.4	21.1	32.1	18.9	13,895
All Medical Schools	2015	24.9	2.4	15.4	33.4	23.9	13,833
All Medical Schools	2014	27.7	3.1	15.7	32.0	21.5	13,291

30. How influential were the following in helping you choose your specialty?

		Percentage of Respondents Selecting Each Rating				
		No influence	Minor influence	Moderate influence	Strong influence	Count
Competitiveness of specialty						
All Medical Schools	2018	30.0	31.2	29.9	9.0	15,414
All Medical Schools	2017	29.7	30.9	30.4	9.0	14,462
All Medical Schools	2016	29.7	29.8	31.1	9.3	13,969
All Medical Schools	2015	30.8	28.7	30.6	10.0	13,897
All Medical Schools	2014	30.4	27.9	31.2	10.6	12,053
Level of educational debt						
All Medical Schools	2018	55.3	23.4	15.0	6.3	15,400
All Medical Schools	2017	54.5	24.0	15.3	6.2	14,438
All Medical Schools	2016	52.9	24.0	15.9	7.2	13,943
All Medical Schools	2015	51.8	24.0	16.4	7.8	13,880
All Medical Schools	2014	50.5	22.9	17.8	8.8	12,038
Role model influence						
All Medical Schools	2018	7.6	11.8	29.7	50.8	15,400
All Medical Schools	2017	7.4	12.0	30.1	50.4	14,454
All Medical Schools	2016	6.9	11.4	29.5	52.2	13,942
All Medical Schools	2015	7.6	11.0	28.8	52.6	13,888
All Medical Schools	2014	7.9	10.6	29.0	52.5	12,040
Options for fellowship training						
All Medical Schools	2018	19.9	19.8	29.1	31.2	15,385
All Medical Schools	2017	18.8	19.9	30.0	31.2	14,432
All Medical Schools	2016	18.2	19.1	30.3	32.5	13,938
All Medical Schools	2015	18.1	17.6	29.9	34.5	13,871
All Medical Schools	2014	20.2	19.8	29.3	30.7	12,043
Income expectations						
All Medical Schools	2018	22.7	31.8	32.0	13.5	15,403
All Medical Schools	2017	22.5	32.1	32.3	13.2	14,457
All Medical Schools	2016	22.2	31.1	32.8	13.9	13,965
All Medical Schools	2015	22.2	30.8	32.8	14.2	13,890
All Medical Schools	2014	22.0	30.6	32.9	14.5	12,050
Length of residency training						
All Medical Schools	2018	25.0	32.8	29.6	12.7	15,397
All Medical Schools	2017	24.4	32.6	30.8	12.2	14,461
All Medical Schools	2016	24.3	32.5	30.1	13.1	13,959
All Medical Schools	2015	24.0	31.9	31.3	12.8	13,896
All Medical Schools	2014	25.0	31.3	31.3	12.5	12,048
Family expectations						
All Medical Schools	2018	48.2	21.6	18.5	11.6	15,395
All Medical Schools	2017	45.2	23.2	19.8	11.9	14,462
All Medical Schools	2016	44.5	22.7	19.9	12.9	13,958
All Medical Schools	2015	43.5	22.1	20.5	13.9	13,890
All Medical Schools	2014	43.3	22.6	20.5	13.6	12,044

30. How influential were the following in helping you choose your specialty? (Continued)

		Percentage of Respondents Selecting Each Rating				
		No influence	Minor influence	Moderate influence	Strong influence	Count
My future family plans						
All Medical Schools	2018	20.5	21.0	30.8	27.7	15,409
All Medical Schools	2017	18.7	21.1	32.4	27.8	14,457
All Medical Schools	2016	17.9	19.9	32.3	29.9	13,954
All Medical Schools	2015	17.7	19.6	31.8	31.0	13,888
All Medical Schools	2014	16.6	19.9	32.3	31.2	12,047
Work/Life balance						
All Medical Schools	2018	6.3	16.3	33.2	44.2	15,400
All Medical Schools	2017	6.0	15.8	35.4	42.8	14,453
All Medical Schools	2016	5.9	15.3	35.1	43.8	13,931
All Medical Schools	2015	6.3	15.2	33.8	44.7	13,875
All Medical Schools	2014	6.2	15.4	34.4	44.0	12,023
Fit with personality, interests, and skills						
All Medical Schools	2018	0.4	1.2	10.8	87.6	15,418
All Medical Schools	2017	0.4	1.1	11.5	87.1	14,462
All Medical Schools	2016	0.4	1.1	11.4	87.0	13,960
All Medical Schools	2015	0.4	0.9	9.6	89.0	13,907
All Medical Schools	2014	0.4	1.2	10.9	87.4	12,051
Content of specialty						
All Medical Schools	2018	0.4	1.5	14.3	83.8	15,388
All Medical Schools	2017	0.6	1.5	16.3	81.6	14,455
All Medical Schools	2016	0.5	1.6	16.0	81.9	13,945
All Medical Schools	2015	0.5	1.4	13.7	84.4	13,892
All Medical Schools	2014	0.4	1.5	15.4	82.8	12,045

All Schools

31. Where do you hope to work after completing your medical training?

Note: The response options were revised in 2016. "Undecided" was added and other locations were discontinued or consolidated.

	2014	2015	2016	2017	2018
	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Alabama			1.0	0.9	0.9
Alaska			0.2	0.2	0.2
Arizona			1.0	0.8	1.0
Arkansas			0.3	0.2	0.6
California			14.3	15.0	13.9
Colorado			2.2	2.0	2.2
Connecticut			0.4	0.6	0.5
Delaware			0.0	0.1	0.1
District of Columbia			0.8	0.8	1.1
Florida			3.7	3.7	3.4
Georgia			1.5	1.9	2.2
Hawaii			0.5	0.4	0.5
Idaho			0.2	0.3	0.3
Iowa			0.6	0.3	0.3
Illinois			3.6	3.5	3.3
Indiana			0.6	0.6	0.8
Kansas			0.7	0.5	0.6
Kentucky			0.7	0.8	0.8

	All Schools				
	2014	2015	2016	2017	2018
31. Where do you hope to work after completing your medical training?					
Note: The response options were revised in 2016. "Undecided" was added and other locations were discontinued or consolidated. (Continued)					
	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Louisiana			1.0	1.0	1.1
Maine			0.3	0.3	0.3
Maryland			1.3	1.0	1.1
Massachusetts			2.9	3.7	3.0
Michigan			2.2	2.6	2.4
Minnesota			1.7	1.6	1.6
Mississippi			0.4	0.4	0.3
Missouri			1.1	1.0	0.9
Montana			0.3	0.3	0.3
Nebraska			0.4	0.4	0.4
Nevada			0.2	0.2	0.3
New Hampshire			0.1	0.1	0.1
New Jersey			1.0	0.9	0.9
New Mexico			0.4	0.4	0.3
New York			6.6	6.1	6.6
North Carolina			2.7	2.5	2.7
North Dakota			0.1	0.0	0.2
Ohio			2.2	2.0	2.4
Oklahoma			0.5	0.3	0.3
Oregon			1.1	1.1	0.9
Pennsylvania			3.0	3.7	3.7
Puerto Rico			0.7	0.7	0.7
Rhode Island			0.1	0.1	0.2
South Carolina			1.0	1.1	1.0
South Dakota			0.2	0.3	0.2
Tennessee			1.2	1.3	1.1
Texas			6.6	5.9	6.3
Utah			0.8	0.8	0.8
Vermont			0.3	0.2	0.2
Virginia			1.4	1.5	1.6
Washington			2.2	2.2	1.9
West Virginia			0.2	0.4	0.3
Wisconsin			1.0	1.2	1.0
Wyoming			0.1	0.2	0.1
U.S. Territory/Possession			0.1	0.0	0.1
Canada			0.2	0.3	0.3
Other Foreign Country			0.6	0.7	0.7
Undecided			21.7	20.6	21.0
Number of respondents			12,018	12,242	13,294

		All Schools				
		2014	2015	2016	2017	2018
32.	Please indicate the setting in which you plan to work after the completion of your medical education and training: Note: In 2015, "Suburb of moderate size city" was inadvertently omitted from the response options.					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Large city (population 500,000 or more)		41.5	38.6	39.7	40.7
	Suburb of a large city		14.8	14.1	13.1	13.4
	City of moderate size (population 50,000 to 500,000)		23.3	21.3	21.5	21.0
	Suburb of moderate size city			4.8	4.9	4.7
	Small city (population 10,000 to 50,000--other than suburb)		4.8	4.0	4.2	4.1
	Town (population 2,500 to 10,000--other than suburb)		1.9	1.7	1.8	1.7
	Small town (population less than 2,500)		0.5	0.6	0.6	0.6
	Rural/unincorporated area		1.1	1.1	1.2	1.1
	Undecided or no preference		12.2	13.8	13.0	12.6
	Number of respondents		13,889	13,968	14,477	15,391
33.	Do you plan to work primarily in an underserved area? Note: In 2014 the question was, "Do you plan to practice in an underserved area?"					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes	30.4	22.3	23.1	25.5	26.4
	No	20.8	29.8	28.8	27.0	27.2
	Undecided	48.9	47.9	48.1	47.4	46.4
	Number of respondents	13,429	13,904	13,977	14,467	15,393
34.	Regardless of location, do you plan to care primarily for an underserved population?					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes	27.3	28.2	29.8	33.4	34.7
	No	28.7	26.5	25.6	23.0	23.5
	Undecided	44.1	45.3	44.6	43.6	41.9
	Number of respondents	13,429	13,898	13,980	14,477	15,385
35.	If you could revisit your career choice, would you choose to attend medical school again?					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	No	3.9	2.4	1.9	2.1	2.1
	Probably not	7.2	6.7	6.0	5.5	5.8
	Neutral	9.8	9.1	8.9	9.1	9.2
	Probably yes	29.8	32.0	32.3	32.6	32.0
	Yes	49.4	49.7	50.9	50.7	51.0
	Number of respondents	13,477	13,926	13,998	14,490	15,417

- 36. Indicate your level of satisfaction with the following:**
Note: For items with an asterisk (*) respondents had the option to select "Did not use"; these responses are not included in the report calculations and counts.

		Percentage of Respondents Selecting Each Rating					Count
		Very dissatisfied	Dissatisfied	Neutral	Satisfied	Very satisfied	
Office of the Dean of Students/Associate Dean for Students: Accessibility							
All Medical Schools	2018	1.8	3.3	16.2	36.1	42.6	15,393
All Medical Schools	2017	2.0	3.2	15.2	36.5	43.0	14,442
All Medical Schools	2016	2.0	3.2	15.6	37.0	42.3	13,957
All Medical Schools	2015	1.7	2.8	12.6	37.2	45.7	13,995
All Medical Schools	2014	1.5	2.9	13.3	39.2	43.2	13,573
Office of the Dean of Students/Associate Dean for Students: Awareness of student concerns							
All Medical Schools	2018	4.0	7.3	17.6	36.5	34.6	15,379
All Medical Schools	2017	3.9	6.7	16.7	35.7	37.0	14,427
All Medical Schools	2016	3.6	6.6	16.9	37.3	35.6	13,952
All Medical Schools	2015	3.3	6.4	15.6	36.7	37.9	13,987
All Medical Schools	2014	3.0	5.6	15.4	38.8	37.2	13,545
Office of the Dean of Students/Associate Dean for Students: Responsiveness to student problems							
All Medical Schools	2018	4.3	7.6	18.1	34.3	35.7	15,312
All Medical Schools	2017	4.4	6.9	16.7	34.1	38.0	14,323
All Medical Schools	2016	4.2	6.7	17.6	35.1	36.4	13,887
All Medical Schools	2015	3.8	6.7	16.0	35.1	38.5	13,859
All Medical Schools	2014	3.6	6.6	16.2	36.0	37.6	13,441
Office of the Dean for Educational Programs/Curricular Affairs: Accessibility							
All Medical Schools	2018	1.8	3.6	22.1	39.0	33.5	15,343
All Medical Schools	2017	1.9	3.6	20.2	39.8	34.5	14,404
All Medical Schools	2016	2.1	3.3	20.9	40.4	33.3	13,927
All Medical Schools	2015	1.7	2.8	17.7	40.9	36.8	13,969
All Medical Schools	2014	1.5	2.9	18.3	42.5	34.8	13,503
Office of the Dean for Educational Programs/Curricular Affairs: Awareness of student concerns							
All Medical Schools	2018	3.2	6.3	22.4	38.3	29.8	15,322
All Medical Schools	2017	3.3	6.1	20.5	38.3	31.8	14,386
All Medical Schools	2016	3.2	6.0	20.8	39.5	30.5	13,905
All Medical Schools	2015	2.8	5.2	19.2	39.3	33.6	13,940
All Medical Schools	2014	2.3	5.0	18.6	41.5	32.5	13,480
Office of the Dean for Educational Programs/Curricular Affairs: Responsiveness to student problems							
All Medical Schools	2018	3.9	7.2	23.0	36.1	29.8	15,333
All Medical Schools	2017	3.7	6.9	21.0	36.3	32.1	14,380
All Medical Schools	2016	3.9	6.7	22.0	36.8	30.7	13,909
All Medical Schools	2015	3.5	6.1	19.2	37.7	33.5	13,941
All Medical Schools	2014	2.9	6.1	19.7	39.4	32.0	13,474
Office of the Dean for Educational Programs/Curricular Affairs: Participation of students on key medical school committees							
All Medical Schools	2018	2.3	3.9	22.7	38.4	32.7	15,284
All Medical Schools	2017	2.4	3.6	21.6	38.1	34.3	14,374
All Medical Schools	2016	2.4	3.5	22.2	39.0	33.0	13,890
All Medical Schools	2015	2.1	3.1	19.5	38.5	36.9	13,932
All Medical Schools	2014	1.7	3.0	19.9	41.2	34.2	13,450
Student Support: Academic counseling*							
All Medical Schools	2018	4.4	9.4	13.8	39.9	32.5	11,853
All Medical Schools	2017	4.2	8.8	13.6	38.5	35.0	11,283
All Medical Schools	2016	4.2	8.2	13.7	39.3	34.5	10,720
All Medical Schools	2015	3.7	9.3	12.9	37.8	36.3	9,839
All Medical Schools	2014	3.8	8.7	12.7	40.0	34.9	9,298

- 36. Indicate your level of satisfaction with the following:**
Note: For items with an asterisk (*) respondents had the option to select "Did not use"; these responses are not included in the report calculations and counts. (Continued)

		Percentage of Respondents Selecting Each Rating					Count
		Very dissatisfied	Dissatisfied	Neutral	Satisfied	Very satisfied	
Student Support: Tutoring*							
All Medical Schools	2018	3.8	7.6	18.2	38.3	32.2	6,815
All Medical Schools	2017	3.5	7.3	17.8	37.3	34.0	6,491
All Medical Schools	2016	4.1	7.0	17.2	38.2	33.5	6,331
All Medical Schools	2015	3.1	7.4	15.8	39.5	34.1	5,250
All Medical Schools	2014	3.1	7.3	17.0	39.7	33.0	5,175
Student Support: Personal counseling*							
All Medical Schools	2018	4.3	8.7	15.7	35.4	35.9	8,539
All Medical Schools	2017	4.2	8.2	15.3	34.8	37.5	8,132
All Medical Schools	2016	4.4	7.2	15.1	35.5	37.8	7,727
All Medical Schools	2015	3.5	7.6	13.4	34.4	41.1	6,443
All Medical Schools	2014	3.6	7.0	14.3	36.5	38.6	6,444
Student Support: Financial aid administrative services*							
All Medical Schools	2018	3.7	6.9	14.5	37.0	38.0	11,693
All Medical Schools	2017	3.5	6.8	14.6	36.9	38.1	11,179
All Medical Schools	2016	3.2	6.5	14.5	38.0	37.7	10,833
All Medical Schools	2015	2.7	5.7	12.8	37.6	41.3	11,091
All Medical Schools	2014	2.4	6.0	12.0	39.1	40.4	11,012
Student Support: Overall educational debt management counseling*							
All Medical Schools	2018	4.4	9.7	18.3	36.7	30.8	10,882
All Medical Schools	2017	4.6	10.0	19.1	35.6	30.7	10,503
All Medical Schools	2016	4.2	9.5	19.0	37.3	30.0	10,224
All Medical Schools	2015	3.5	9.0	17.1	37.0	33.4	10,348
All Medical Schools	2014	2.8	8.3	16.5	40.2	32.3	10,317
Student Support: Senior loan exit interview*							
All Medical Schools	2018	2.4	4.8	20.6	37.6	34.6	8,815
All Medical Schools	2017	2.8	4.9	20.0	37.9	34.4	8,563
All Medical Schools	2016	2.5	4.7	19.6	38.9	34.3	8,406
All Medical Schools	2015	2.0	3.9	18.1	38.5	37.5	8,533
All Medical Schools	2014	1.6	3.5	18.3	40.9	35.7	8,706
Student Support: Faculty mentoring*							
All Medical Schools	2018	2.5	5.5	12.3	36.3	43.4	14,730
All Medical Schools	2017	2.3	5.5	12.0	35.9	44.4	13,759
All Medical Schools	2016	2.4	5.0	11.9	37.0	43.8	13,239
All Medical Schools	2015	2.6	7.0	12.4	34.2	43.8	13,055
All Medical Schools	2014	2.6	6.9	12.6	36.4	41.4	12,602
Career Planning Services: Career preference assessment activities*							
All Medical Schools	2018	4.1	9.4	24.8	40.1	21.6	10,581
All Medical Schools	2017	4.1	9.6	23.9	39.4	23.0	9,982
All Medical Schools	2016	4.3	9.1	23.6	41.3	21.7	9,398
All Medical Schools	2015	4.0	10.5	21.0	39.0	25.5	10,400
All Medical Schools	2014	4.1	10.7	21.2	40.2	23.8	9,992
Career Planning Services: Information about specialties*							
All Medical Schools	2018	2.9	7.8	18.3	45.8	25.2	13,068
All Medical Schools	2017	3.0	8.1	17.7	45.1	26.2	12,379
All Medical Schools	2016	3.1	7.6	17.8	46.2	25.3	11,712
All Medical Schools	2015	3.0	9.3	17.1	42.8	27.8	12,428
All Medical Schools	2014	3.1	9.1	17.6	43.8	26.4	11,968

- 36. Indicate your level of satisfaction with the following:**
Note: For items with an asterisk (*) respondents had the option to select "Did not use"; these responses are not included in the report calculations and counts. (Continued)

		Percentage of Respondents Selecting Each Rating					Count
		Very dissatisfied	Dissatisfied	Neutral	Satisfied	Very satisfied	
Career Planning Services: Information about alternative medical careers*							
All Medical Schools	2018	10.0	21.1	25.1	27.4	16.5	9,831
All Medical Schools	2017	9.3	20.4	25.3	27.0	18.0	9,447
All Medical Schools	2016	9.7	19.7	24.8	28.8	17.0	9,045
All Medical Schools	2015	9.0	21.3	26.6	25.0	18.2	9,170
All Medical Schools	2014	8.4	23.5	26.3	25.2	16.7	9,085
Career Planning Services: Overall satisfaction with career planning services*							
All Medical Schools	2018	4.0	10.1	22.5	42.3	21.0	12,958
All Medical Schools	2017	4.4	9.9	21.9	41.6	22.3	12,222
All Medical Schools	2016	4.3	9.1	22.2	43.4	21.0	11,607
All Medical Schools	2015	3.9	10.8	21.2	39.7	24.4	12,282
All Medical Schools	2014	3.9	10.4	20.7	42.4	22.7	11,826
Wellness: Student programs/activities that promote effective stress management, a balanced lifestyle and overall well being*							
All Medical Schools	2018	3.3	7.4	18.5	40.4	30.4	13,610
All Medical Schools	2017	3.1	6.7	18.1	38.8	33.3	12,541
All Medical Schools	2016	2.9	6.8	17.1	40.5	32.8	11,858
All Medical Schools	2015	2.5	6.2	15.8	40.6	34.9	11,620
All Medical Schools	2014	2.6	6.5	16.9	41.7	32.3	10,661
Student Health: Student health services*							
All Medical Schools	2018	3.2	6.5	11.7	41.1	37.4	13,039
All Medical Schools	2017	2.9	6.3	11.4	41.7	37.8	12,213
All Medical Schools	2016	3.3	6.7	11.2	42.3	36.6	11,753
All Medical Schools	2015	2.8	6.5	11.0	43.2	36.5	11,725
All Medical Schools	2014	3.0	7.4	11.8	44.8	33.0	11,454
Student Health: Student mental health services*							
All Medical Schools	2018	5.4	7.8	13.5	34.6	38.7	7,194
All Medical Schools	2017	4.6	7.7	13.8	34.5	39.5	6,670
All Medical Schools	2016	5.3	7.3	13.3	34.5	39.6	5,913
All Medical Schools	2015	4.0	6.8	12.2	36.1	40.9	5,416
All Medical Schools	2014	3.9	7.0	14.1	38.6	36.5	5,292
Student Health: Student health insurance*							
All Medical Schools	2018	8.8	12.6	16.9	36.1	25.6	10,357
All Medical Schools	2017	7.5	13.5	17.4	35.3	26.3	9,856
All Medical Schools	2016	9.1	13.1	17.8	36.2	23.8	9,414
All Medical Schools	2015	7.4	13.3	17.1	37.0	25.2	9,440
All Medical Schools	2014	7.3	12.9	17.3	39.1	23.4	9,199
Facilities: Library*							
All Medical Schools	2018	1.5	4.3	7.9	40.8	45.5	14,817
All Medical Schools	2017	1.4	4.3	7.9	39.5	46.8	13,975
All Medical Schools	2016	1.7	4.6	7.8	40.6	45.3	13,438
All Medical Schools	2015	1.3	4.1	7.6	41.0	45.9	13,525
All Medical Schools	2014	1.1	4.4	7.0	42.4	45.0	13,167
Facilities: Computer resource center*							
All Medical Schools	2018	1.4	4.1	10.0	42.1	42.4	13,322
All Medical Schools	2017	1.4	4.0	10.0	40.8	43.9	12,776
All Medical Schools	2016	1.8	4.7	10.0	41.8	41.6	12,541
All Medical Schools	2015	1.3	4.5	9.0	42.1	43.1	12,734
All Medical Schools	2014	1.3	4.1	8.6	43.6	42.4	12,529

36. Indicate your level of satisfaction with the following:
Note: For items with an asterisk (*) respondents had the option to select "Did not use"; these responses are not included in the report calculations and counts. (Continued)

		Percentage of Respondents Selecting Each Rating					Count
		Very dissatisfied	Dissatisfied	Neutral	Satisfied	Very satisfied	
Facilities: Student study space*							
All Medical Schools	2018	2.7	8.3	10.3	38.2	40.5	14,999
All Medical Schools	2017	2.7	7.5	10.5	37.5	41.8	14,068
All Medical Schools	2016	3.0	8.2	10.3	37.8	40.7	13,544
All Medical Schools	2015	2.4	7.7	10.3	38.8	40.8	13,556
All Medical Schools	2014	2.7	8.3	9.5	39.1	40.3	13,147
Facilities: Student relaxation space*							
All Medical Schools	2018	4.9	11.7	17.3	34.5	31.6	13,601
All Medical Schools	2017	4.4	11.8	16.7	33.9	33.2	12,817
All Medical Schools	2016	4.5	11.5	16.8	35.1	31.9	12,405
All Medical Schools	2015	4.1	10.8	16.6	35.8	32.7	12,501
All Medical Schools	2014	4.1	11.6	15.5	35.9	32.9	12,192

		All Schools				
		2014	2015	2016	2017	2018
37. Are you aware that your school has policies regarding the mistreatment of medical students?						
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Yes		93.3	94.5	95.7	97.0	97.5
No		6.7	5.5	4.3	3.0	2.5
Number of respondents		13,515	13,954	13,920	14,409	15,371

38. Do you know the procedures at your school for reporting the mistreatment of medical students?						
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Yes		78.6	80.8	82.3	86.1	88.1
No		21.4	19.2	17.7	13.9	11.9
Number of respondents		13,510	13,954	13,927	14,402	15,358

39. For each of the following behaviors, please indicate the frequency you personally experienced that behavior during medical school. Include in your response any behaviors performed by faculty, nurses, residents/interns, other institution employees or staff, and other students. Please do not include behaviors performed by patients.
During medical school, how frequently have you...

		Percentage of Respondents Selecting Each Rating				Count
		Never	Once	Occasionally	Frequently	
Been publicly embarrassed?						
All Medical Schools	2018	56.7	21.8	20.6	1.0	15,342
All Medical Schools	2017	57.0	21.0	21.1	0.9	14,396
All Medical Schools	2016	58.1	20.5	20.4	1.0	13,904
All Medical Schools	2015	53.7	17.9	27.0	1.4	13,877
All Medical Schools	2014	53.7	18.3	26.6	1.4	13,243

- 39. For each of the following behaviors, please indicate the frequency you personally experienced that behavior during medical school. Include in your response any behaviors performed by faculty, nurses, residents/interns, other institution employees or staff, and other students. Please do not include behaviors performed by patients.**

During medical school, how frequently have you... (Continued)

		Percentage of Respondents Selecting Each Rating					
		Never	Once	Occasionally	Frequently	Count	
Been publicly humiliated?							
All Medical Schools	2018	77.6	13.7	8.2	0.5	15,340	
All Medical Schools	2017	78.4	12.8	8.3	0.5	14,382	
All Medical Schools	2016	78.8	12.6	8.2	0.5	13,886	
All Medical Schools	2015	80.5	10.3	8.6	0.6	13,852	
All Medical Schools	2014	77.3	12.4	9.6	0.7	13,253	
Been threatened with physical harm?							
All Medical Schools	2018	98.6	1.1	0.2	0.1	15,325	
All Medical Schools	2017	98.6	1.0	0.3	0.0	14,382	
All Medical Schools	2016	98.6	1.0	0.3	0.1	13,891	
All Medical Schools	2015	98.4	1.2	0.3	0.1	13,855	
All Medical Schools	2014	98.3	1.3	0.3	0.1	13,325	
Been physically harmed?							
All Medical Schools	2018	98.3	1.5	0.2	0.0	15,332	
All Medical Schools	2017	98.3	1.4	0.3	0.0	14,373	
All Medical Schools	2016	98.1	1.6	0.3	0.1	13,885	
All Medical Schools	2015	97.9	1.8	0.3	0.0	13,857	
All Medical Schools	2014	97.6	2.1	0.2	0.0	13,340	
Been required to perform personal services?							
All Medical Schools	2018	94.1	4.1	1.7	0.1	15,350	
All Medical Schools	2017	93.8	4.2	1.8	0.2	14,394	
All Medical Schools	2016	94.3	3.8	1.7	0.1	13,901	
All Medical Schools	2015	92.1	5.1	2.6	0.2	13,875	
All Medical Schools	2014	91.9	4.7	3.1	0.3	13,323	
Been subjected to unwanted sexual advances?							
All Medical Schools	2018	95.1	3.0	1.8	0.2	15,342	
All Medical Schools	2017	95.7	2.8	1.4	0.1	14,387	
All Medical Schools	2016	96.2	2.4	1.3	0.2	13,897	
All Medical Schools	2015	95.3	2.6	2.0	0.1	13,868	
All Medical Schools	2014	95.6	2.4	1.8	0.2	13,329	
Been asked to exchange sexual favors for grades or other rewards?							
All Medical Schools	2018	99.8	0.1	0.1	0.0	15,352	
All Medical Schools	2017	99.7	0.1	0.1	0.0	14,385	
All Medical Schools	2016	99.8	0.1	0.1	0.1	13,895	
All Medical Schools	2015	99.8	0.1	0.1	0.0	13,863	
All Medical Schools	2014	99.8	0.1	0.1	0.0	13,338	
Been denied opportunities for training or rewards based on gender?							
All Medical Schools	2018	93.1	3.4	3.1	0.3	15,341	
All Medical Schools	2017	94.1	2.9	2.7	0.4	14,390	
All Medical Schools	2016	94.4	2.6	2.6	0.4	13,892	
All Medical Schools	2015	93.6	2.7	3.2	0.4	13,863	
All Medical Schools	2014	94.5	2.4	2.8	0.3	13,318	

- 39. For each of the following behaviors, please indicate the frequency you personally experienced that behavior during medical school. Include in your response any behaviors performed by faculty, nurses, residents/interns, other institution employees or staff, and other students. Please do not include behaviors performed by patients.**

During medical school, how frequently have you... (Continued)

		Percentage of Respondents Selecting Each Rating					
		Never	Once	Occasionally	Frequently	Count	
Been subjected to offensive sexist remarks/names?							
All Medical Schools	2018	83.5	7.5	8.3	0.7	15,343	
All Medical Schools	2017	85.2	7.1	7.0	0.7	14,382	
All Medical Schools	2016	87.1	6.3	6.1	0.5	13,891	
All Medical Schools	2015	85.9	5.9	7.6	0.6	13,862	
All Medical Schools	2014	86.8	5.2	7.4	0.6	13,297	
Received lower evaluations or grades solely because of gender rather than performance?							
All Medical Schools	2018	93.6	4.3	1.8	0.3	15,327	
All Medical Schools	2017	94.2	3.9	1.6	0.3	14,370	
All Medical Schools	2016	94.3	3.7	1.7	0.3	13,889	
All Medical Schools	2015	93.8	4.0	1.9	0.3	13,866	
All Medical Schools	2014	93.9	4.1	1.8	0.2	13,325	
Been denied opportunities for training or rewards based on race or ethnicity?							
All Medical Schools	2018	96.7	1.3	1.6	0.4	15,335	
All Medical Schools	2017	97.1	1.2	1.3	0.5	14,384	
All Medical Schools	2016	97.1	0.9	1.5	0.5	13,888	
All Medical Schools	2015	96.6	1.1	1.7	0.6	13,861	
All Medical Schools	2014	97.1	0.9	1.4	0.5	13,331	
Been subjected to racially or ethnically offensive remarks/names?							
All Medical Schools	2018	91.3	4.4	3.9	0.4	15,324	
All Medical Schools	2017	92.8	3.8	3.0	0.4	14,380	
All Medical Schools	2016	93.3	3.5	2.7	0.4	13,885	
All Medical Schools	2015	92.7	3.5	3.4	0.3	13,856	
All Medical Schools	2014	93.3	3.1	3.3	0.3	13,310	
Received lower evaluations or grades solely because of race or ethnicity rather than performance?							
All Medical Schools	2018	97.0	1.6	1.1	0.3	15,325	
All Medical Schools	2017	97.2	1.5	1.0	0.3	14,383	
All Medical Schools	2016	97.3	1.3	1.0	0.4	13,870	
All Medical Schools	2015	97.0	1.5	1.2	0.3	13,856	
All Medical Schools	2014	97.4	1.4	0.9	0.2	13,316	
Been denied opportunities for training or rewards based on sexual orientation?							
All Medical Schools	2018	99.4	0.2	0.3	0.1	15,338	
All Medical Schools	2017	99.5	0.2	0.2	0.1	14,374	
All Medical Schools	2016	99.5	0.2	0.2	0.1	13,878	
All Medical Schools	2015	99.5	0.2	0.3	0.1	13,853	
All Medical Schools	2014	99.4	0.2	0.3	0.1	13,324	
Been subjected to offensive remarks/names related to sexual orientation?							
All Medical Schools	2018	97.7	1.1	1.1	0.1	15,337	
All Medical Schools	2017	97.9	1.0	1.0	0.1	14,371	
All Medical Schools	2016	98.0	0.9	1.0	0.2	13,870	
All Medical Schools	2015	97.9	0.9	1.1	0.1	13,854	
All Medical Schools	2014	98.1	0.7	1.1	0.1	13,307	

39. For each of the following behaviors, please indicate the frequency you personally experienced that behavior during medical school. Include in your response any behaviors performed by faculty, nurses, residents/interns, other institution employees or staff, and other students. Please do not include behaviors performed by patients.

During medical school, how frequently have you... (Continued)

		Percentage of Respondents Selecting Each Rating					
		Never	Once	Occasionally	Frequently	Count	
Received lower evaluations or grades solely because of sexual orientation rather than performance?							
All Medical Schools	2018	99.4	0.3	0.2	0.0	15,323	
All Medical Schools	2017	99.5	0.2	0.2	0.0	14,354	
All Medical Schools	2016	99.5	0.3	0.1	0.1	13,860	
All Medical Schools	2015	99.6	0.2	0.1	0.1	13,832	
All Medical Schools	2014	99.6	0.2	0.2	0.0	13,289	
Been subjected to negative or offensive behavior(s) based on your personal beliefs or personal characteristics other than your gender, race/ethnicity, or sexual orientation?							
All Medical Schools	2018	91.7	4.0	3.8	0.5	15,316	
All Medical Schools	2017	91.6	4.3	3.5	0.6	14,372	
All Medical Schools	2016	92.4	3.7	3.3	0.6	13,874	

		All Schools				
		2014	2015	2016	2017	2018
40.	Percent of respondents who indicated they personally experienced any of the listed behaviors, excluding "publicly embarrassed." The data are derived from the responses to the survey question reported in Q39 above.					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes	39.9	38.7	38.1	39.3	42.1
	No	60.1	61.3	61.9	60.7	57.9
	Number of respondents	13,366	13,886	13,910	14,405	15,357

		Percent	Percent	Percent	Percent	Percent
41.	Sources of "publicly humiliated"-only behaviors experienced personally, as percent of all who answered Q39 above, including those who indicated they "Never" experienced any of the listed behaviors. The actual question was: "Indicate below which person(s) engaged in the behavior that was directed at you. Check all that apply."					
	Pre-clerkship faculty	0.8	0.7	0.8	0.9	1.0
	Clerkship faculty (classroom)	1.5	1.0	1.3	1.2	1.3
	Clerkship faculty (clinical setting)	14.0	12.1	12.9	13.3	13.7
	Resident/Intern	10.8	8.6	9.4	9.8	10.3
	Nurse	4.7	2.9	3.7	3.8	3.6
	Administrator	0.7	0.5	0.5	0.6	0.6
	Other institution employee	1.1	0.8	1.0	1.1	1.2
	Student	1.7	1.1	1.4	1.5	1.2
	Number of respondents	13,366	13,886	13,910	14,405	15,357

		All Schools				
		2014	2015	2016	2017	2018
42.	Sources of behaviors experienced personally, excluding "publicly embarrassed" and "publicly humiliated," as percent of all who answered Q39 above, including those who indicated they "Never" experienced any of the listed behaviors. The actual question was: "Indicate below which person(s) engaged in the behavior that was directed at you. Check all that apply."					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Pre-clerkship faculty	1.7	2.0	1.9	2.4	2.6
	Clerkship faculty (classroom)	1.9	2.3	2.2	2.2	2.5
	Clerkship faculty (clinical setting)	18.1	18.8	17.7	19.2	20.8
	Resident/Intern	17.2	17.2	14.4	15.6	15.9
	Nurse	4.4	4.2	3.5	4.0	4.8
	Administrator	1.5	1.6	1.5	1.3	1.6
	Other institution employee	3.1	4.0	3.3	4.0	5.0
	Student	4.7	5.8	4.9	5.6	6.2
	Number of respondents	13,366	13,886	13,910	14,405	15,357
43.	Did you report any of the behaviors listed above to a designated faculty member or a member of the medical school administration empowered to handle such complaints?					
	Note: The results include those who indicated they had personally experienced at least "Once" any of the behaviors, excluding "publicly embarrassed," listed in Q39 above.					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes	19.4	19.3	20.2	21.0	22.2
	No	80.6	80.7	79.8	79.0	77.8
	Number of respondents	5,292	5,310	5,277	5,632	6,400
44.	To whom did you report the behavior(s)? Check all that apply.					
	Note: Only those who responded "Yes" to Q43 could respond to this item.					
	As multiple responses were permitted, totals may exceed 100%.					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Dean of Students	25.4	24.8	27.1	26.4	24.1
	Designated counselor/advocate/ombudsperson	17.0	19.5	18.8	21.7	20.4
	Other medical school administrator	23.7	22.1	23.1	24.2	26.7
	Faculty member	49.9	45.7	44.5	44.3	44.6
	Other	21.0	20.8	22.0	21.4	18.5
	Number of respondents	1,026	1,026	1,068	1,185	1,418

45. How satisfied are you with the outcome of having reported the behavior(s)?

Note: Only those who responded "Yes" to Q43 could respond to this item.

		Percentage of Respondents Selecting Each Rating					Count
		Very dissatisfied	Dissatisfied	Neutral	Satisfied	Very satisfied	
All Medical Schools	2018	14.9	17.6	30.2	23.3	13.9	1,414
All Medical Schools	2017	16.3	16.7	26.5	24.8	15.6	1,177
All Medical Schools	2016	13.7	16.8	27.4	24.6	17.5	1,062
All Medical Schools	2015	18.2	16.3	26.8	24.5	14.2	1,017
All Medical Schools	2014	14.7	17.2	30.1	24.4	13.7	1,018

All Schools

46. If there were any incidents of these behaviors that you did not report, why didn't you report them? Check all that apply.

Note: The results include those who indicated they had personally experienced at least "Once" any of the behaviors, excluding "publicly embarrassed," listed in Q39 above. As multiple responses were permitted, totals may exceed 100%.

	2014	2015	2016	2017	2018
	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
The incident did not seem important enough to report	58.1	58.3	57.8	56.6	57.4
I resolved the issue myself	19.5	19.2	17.5	18.2	17.0
I did not think anything would be done about it	35.8	36.5	36.0	37.4	38.3
Fear of reprisal	27.6	25.9	27.1	28.3	27.2
I did not know what to do	10.3	9.1	9.0	8.7	10.3
Other	7.7	9.3	9.0	8.4	7.2
Number of respondents	5,331	5,369	5,305	5,665	6,465

47. During medical school, did you witness other students subjected to any of the behaviors listed above? Do not include experiences of embarrassment, or behaviors performed by patients.

	2014	2015	2016	2017	2018
	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Yes	21.9	19.4	18.4	19.2	21.5
No	78.1	80.6	81.6	80.8	78.5
Number of respondents	13,367	13,874	13,903	14,404	15,334

48. Did you report any of the behaviors that you witnessed to a designated faculty member or a member of the medical school administration empowered to handle such complaints?

Note: Only those who responded "Yes" at Q47 could respond to this item.

	2014	2015	2016	2017	2018
	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Yes	11.0	11.8	11.1	15.2	14.1
No	89.0	88.2	88.9	84.8	85.9
Number of respondents	2,910	2,678	2,547	2,764	3,287

		All Schools				
		2014	2015	2016	2017	2018
49.	Did you receive any scholarships, stipends, or grants (not loans) for medical school?					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes	61.4	61.2	62.7	63.2	63.5
	No	38.6	38.8	37.3	36.8	36.5
	Number of respondents	13,429	13,921	13,913	14,398	15,346
50.	Scholarship Categories					
	Note: The upper reportable limit was \$750,000.					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	No scholarships (\$0)	39.6	39.5	38.0	37.6	37.2
	\$1 to \$24,999	30.7	29.8	32.4	31.3	31.4
	\$25,000 to \$49,999	9.0	9.4	9.9	10.3	9.8
	\$50,000 to \$74,999	5.4	5.2	5.1	5.0	5.6
	\$75,000 to \$99,999	2.7	2.9	2.5	2.9	2.8
	\$100,000 to \$149,999	4.8	4.6	4.3	4.8	4.8
	\$150,000 to \$199,999	2.4	2.3	2.2	2.1	2.2
	\$200,000 to \$299,999	3.5	3.9	3.8	4.1	3.9
	\$300,000 or more	1.9	2.3	1.9	1.9	2.3
	Number of respondents	13,102	13,685	13,665	14,110	15,053
	Median scholarship amount of those with scholarships	\$23,000	\$25,000	\$20,000	\$24,000	\$24,050
51.	Do you have any outstanding educational loans for your college/premedical education?					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes	35.7	34.8	34.2	33.8	33.4
	No	64.3	65.2	65.8	66.2	66.6
	Number of respondents	13,409	13,913	13,905	14,388	15,329
52.	Premedical Debt Categories					
	Note: The upper reportable limits were \$500,000 (2015 to 2018) and \$300,000 (2014).					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	No debt (\$0)	65.5	66.1	66.7	67.3	67.6
	\$1 to \$24,999	19.9	16.6	15.9	15.0	14.7
	\$25,000 to \$49,999	7.2	7.7	7.9	8.4	8.6
	\$50,000 to \$74,999	3.4	3.8	3.5	3.7	3.7
	\$75,000 to \$99,999	1.4	1.7	1.7	1.5	1.6
	\$100,000 to \$149,999	1.5	1.8	2.0	1.9	1.8
	\$150,000 to \$199,999	0.5	1.0	0.7	0.9	0.7
	\$200,000 or more	0.7	1.3	1.5	1.3	1.4
	Number of respondents	13,166	13,724	13,716	14,149	15,102
	Median premedical debt of those reporting premedical debt	\$20,000	\$25,000	\$25,000	\$25,000	\$25,000

		All Schools				
		2014	2015	2016	2017	2018
53.	Do you have any outstanding educational loans (including loan service commitments) for your medical school education?					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes	82.6	78.5	73.6	73.1	72.3
	No	17.4	21.5	26.4	26.9	27.7
	Number of respondents	13,354	13,902	13,884	14,370	15,317
54.	Medical School Debt Categories					
	Note: The upper reportable limits were \$600,000 (2015 to 2018) and \$500,000 (2014).					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	No debt (\$0)	17.9	22.0	26.9	27.6	28.3
	\$1 to \$49,999	8.8	8.4	5.7	5.2	4.6
	\$50,000 to \$99,999	8.2	7.5	6.6	6.6	6.4
	\$100,000 to \$149,999	13.1	11.7	11.5	11.0	10.1
	\$150,000 to \$199,999	19.5	17.7	16.9	16.6	15.2
	\$200,000 to \$299,999	27.1	26.5	25.5	26.0	26.8
	\$300,000 to \$399,999	4.8	5.7	6.2	6.1	7.6
	\$400,000 or more	0.6	0.5	0.8	0.9	1.0
	Number of respondents	12,979	13,616	13,610	14,030	14,982
	Median medical school debt of those reporting medical school debt	\$173,000	\$180,000	\$180,000	\$180,000	\$195,000
55.	Total Education Debt Categories					
	Note: Total education debt is the sum of premedical debt and medical school debt. The displayed categories and averages are calculated using only records with complete responses to both questions. The upper reportable limits were \$1,100,000 (2015 to 2018) and \$800,000 (2014).					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	No debt (\$0)	16.3	19.2	24.0	24.6	25.3
	\$1 to \$49,999	9.4	9.6	6.8	6.3	6.1
	\$50,000 to \$99,999	8.0	7.2	6.6	6.6	6.4
	\$100,000 to \$149,999	11.9	10.6	10.6	10.4	9.6
	\$150,000 to \$199,999	18.3	16.4	15.8	15.2	13.9
	\$200,000 to \$299,999	27.4	26.6	25.5	25.8	26.3
	\$300,000 to \$399,999	7.1	8.0	8.2	8.7	9.5
	\$400,000 to \$499,999	1.2	1.6	1.9	1.7	2.2
	\$500,000 or more	0.4	0.7	0.7	0.7	0.7
	Number of respondents	12,889	13,520	13,523	13,945	14,874
	Median education debt of those reporting education debt	\$180,000	\$185,000	\$190,000	\$195,000	\$200,000
56.	Do you have any non-educational, consumer debt that you are legally required to repay? (This includes credit card debt, car loans, home mortgages, or other consumer debt.)					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes		23.9	23.5	22.1	21.9
	No		76.1	76.5	77.9	78.1
	Number of respondents		13,886	13,879	14,348	15,302

		All Schools				
		2014	2015	2016	2017	2018
57.	Please list the amount of your non-educational, consumer debt.					
	Note: Amounts totaling > \$10,000,000 for mortgage and total debt were treated as invalid.					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	No debt (\$0)		76.7	77.2	78.6	79.6
	\$1 to \$24,999		15.5	15.9	15.2	14.3
	\$25,000 to \$49,999		2.2	2.0	1.9	2.1
	\$50,000 to \$74,999		0.6	0.5	0.5	0.6
	\$75,000 to \$99,999		0.6	0.6	0.3	0.3
	\$100,000 to \$149,999		1.7	1.3	1.1	0.9
	\$150,000 or more		2.9	2.6	2.4	2.2
	Number of respondents		13,789	13,760	14,207	15,015
	Median non-educational debt of those reporting non-educational debt		\$15,000	\$12,000	\$12,000	\$12,000
58.	Please list the amount of your non-educational, consumer debt for each category listed below.					
	Note: The number shown in each category is the median of those providing valid figures. Amounts totaling > \$500,000 for credit cards, car loans, residency, and other loans were treated as invalid, and amounts totaling > \$10,000,000 for mortgage and total debt were treated as invalid.					
	Credit cards		\$4,000.0	\$4,000	\$4,000	\$5,000
	Number of respondents		2,083.0	2,069	2,019	2,124
	Car loans		\$10,000.0	\$10,000	\$10,000	\$11,000
	Number of respondents		1,177.0	1,144	1,139	1,162
	Mortgage		\$140,000.0	\$145,500	\$150,000	\$150,000
	Number of respondents		768.0	674	586	591
	Residency and relocation loans		\$12,000.0	\$12,000	\$13,000	\$12,000
	Number of respondents		675.0	571	448	467
	Other consumer loans		\$7,000.0	\$10,000	\$10,000	\$10,000
	Number of respondents		195.0	171	161	167
	Total amount		\$15,000.0	\$12,000	\$12,000	\$12,000
	Number of respondents		3,217.0	3,140	3,036	3,061
59.	Do you plan to enter into a loan-forgiveness program?					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes	39.7	39.9	44.3	45.9	45.7
	No	60.3	60.1	55.7	54.1	54.3
	Number of respondents	11,246	11,281	10,639	10,929	11,559

		All Schools				
		2014	2015	2016	2017	2018
60.	Select the type of loan forgiveness program in which you plan to participate.					
	Note: Only those who selected "Yes" at Q59 could respond to this item.					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Department of Education's Public Service Loan Forgiveness (PSLF)	62.6	66.1	71.4	73.2	76.3
	National Health Service Corps	7.6	6.8	5.3	5.4	4.4
	Indian Health Service Corps	0.7	0.5	0.6	0.8	0.4
	Armed Services (Navy, Army, Air Force)	1.3	1.5	0.9	0.9	0.8
	Uniformed Service (CDC, HHS)	0.1	0.2	0.2	0.1	0.1
	State loan forgiveness program	10.1	8.8	8.8	7.6	6.8
	Hospital program (e.g., sign-on bonus)	11.8	10.7	8.5	8.0	8.4
	Private loan forgiveness program	0.9	0.7	0.7	0.8	0.4
	Other	4.9	4.7	3.6	3.3	2.4
	Number of respondents	4,415	4,403	4,638	4,938	5,207
61.	Gender Identity:					
	Note: The results are derived from two questions: "What sex were you assigned at birth?" (response options "Male" or "Female") and "What is your current gender identity?" (response options "Male," "Female," "Trans male/trans man," "Trans female/trans woman," "Genderqueer/gender non-conforming," or "Different identity").					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Same gender identity as the sex assigned at birth			99.7	99.7	99.6
	Different gender identity from the sex assigned at birth			0.3	0.3	0.4
	Number of respondents			13,862	14,325	15,299
62.	How do you self-identify?					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Bisexual			2.1	2.3	2.9
	Gay or lesbian			3.1	3.4	3.9
	Heterosexual or straight			94.8	94.3	93.2
	Number of respondents			13,806	14,260	15,159
63.	Region of medical school:					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Northeast	29.7	29.5	28.8	29.0	28.6
	South	31.2	32.2	33.3	33.2	33.6
	Midwest	27.9	27.0	26.5	26.1	26.5
	West	11.2	11.3	11.5	11.6	11.3
	Number of respondents	14,877	14,939	15,232	15,609	16,223
64.	Control of medical school:					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Private	39.6	39.6	39.0	39.4	39.3
	Public	60.4	60.4	61.0	60.6	60.7
	Number of respondents	14,877	14,939	15,232	15,609	16,223

2018 GQ References

Each item number below refers to the question number in the 2018 GQ *All Schools Summary Report*.

Q17. Medical School Learning Environment Survey (MSLES)

Marshall RE. Measuring the medical school learning environment. *Journal of medical education*. 1978;53(2):98-104.

Q21. Tolerance for Ambiguity (TFA)

Geller G, Tambor ES, Chase GA, Holtzman NA. Measuring physicians' tolerance for ambiguity and its relationship to their reported practices regarding genetic testing. *Medical care*. 1993;31(11):989-1001.

Caulfield M, Andolsek K, Grbic D, Roskovensky L. Ambiguity tolerance of students matriculating to U.S. medical schools. *Acad Med*. 2014;89(11):1526-1532.

Q22. Interpersonal Reactivity Index (IRI)

Hojat M, Spandorfer J, Louis DZ, Gonnella JS. Empathic and sympathetic orientations toward patient care: conceptualization, measurement, and psychometrics. *Acad Med*. 2011;86(8):989-995.

Davis MH. Measuring individual differences in empathy: evidence for a multidimensional approach. *Journal of personality and social psychology*. 1983;44:113-126.

Q23. Oldenburg Burnout Inventory for Medical Students Scale

Halbesleben JRB, Demerouti E. The construct validity of an alternative measure of burnout: Investigating the English translation of the Oldenburg Burnout Inventory. *Work and Stress*. 2005;19(3):208-220.