



Medical School Graduation Questionnaire

2021 All Schools Summary Report

July 2021

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2021 AAMC Medical School Graduation Questionnaire All Schools Summary Report & Individual School Report

Executive Summary

Background

The *All Schools Summary Report* of the 2021 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. Seventy-nine percent (16,611) of medical school graduates in academic year 2020-2021 (20,917) participated in the 2021 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, 2017 through 2021, where comparable data are available.

Methodology

The data in the 2020 GQ *All Schools Summary Report* reflect the responses of 16,611 graduates of the 148 U.S. medical schools that graduated students in the 2020-2021 academic year. According to the AAMC Student Records System (SRS) as of July 8, 2021, these 16,611 respondents represent 79.4% of the 20,917 medical students who graduated from July 1, 2020 through June 30, 2021. Survey data for participating individuals may not be comparable to data for nonparticipants. The 2021 results include responses from the first graduating classes of Hackensack Meridian School of Medicine, Kirk Kerkorian School of Medicine at UNLV, and Washington State University Elson S. Floyd College of Medicine.

The 2021 GQ was open for participation from February 14, 2021 through June 6, 2021. The initial participants were individuals with expected graduation dates between July 1, 2020 and June 30, 2021 as identified by SRS data and confirmed by medical school personnel in January 2021. 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.

Changes to the Graduation Questionnaire in 2021

Revisions to the GQ aim to incorporate emerging issues that impact medical education, enable the tracking of students' opinions and experiences across the educational continuum, and improve the quality of the survey data. The following changes were made to the GQ survey and reports for 2021.

Discontinued: Piloted Items on Entrustable Professional Activities (EPAs)

In 2020, the AAMC completed its pilot examining Entrustable Professional Activities (EPAs). A large set of questions related to the EPAs were therefore not included in the 2021 GQ. The AAMC encourages schools that found these items informative to use these items separately in their own local assessment tools.

New in 2021: In-Person and Virtual Away Rotations

Since 2019, the GQ has asked students whether they participated in away rotations, and, if so, how many. For the 2021 administration, this question was revised to be able to distinguish between in-person away rotations and virtual away rotations.

Selected Findings

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

Roughly nine out of ten U.S. medical school graduates who responded to the 2021 GQ either agreed or strongly agreed with the statement, "Overall, I am satisfied with the quality of my medical education" (88.6%).

A comparable share of 2021 U.S. medical school graduates affirmed their readiness for the next phase of their training, with 91.6% stating they agreed or strongly agreed they "have acquired the clinical skills required to begin a residency program."

A similar majority (91.2%) of 2021 medical school graduates who responded to the GQ either agreed or strongly agreed with the statement, "My medical school has done a good job of fostering and nurturing my development as a future physician."

Percentage of Students Reporting Clinical Observation and Feedback Continues to Increase

In 2021, there were increases in the percentage of graduating medical students who reported that, during clerkships, they were observed taking patient histories and performing patient exams. These increases were observed across nearly all clerkships and extend gains observed in previous years. The percentage of 2021 graduates who reported that they had received mid-clerkship feedback also saw small gains across a number of clerkships.

Students Have Fewer Away Rotations and Elective Activities

Notably, the number of away rotations reported by 2021 medical school graduates was much lower than the number of away rotations reported by previous graduates. In 2021, fewer than one in five students (18.5%) indicated they had participated in any away rotations. In the previous two years, just over half of all students (54.7%, 55.5%) had participated in away rotations.

Similarly, 2021 graduates reported decreased participation in particular elective activities. Electives involving a field experience in home care (23.8%), in nursing home care (20.1%), or a global health experience (15.4%) saw participation rates about 7 to 8 points lower in 2021 compared to 2020. The one activity that saw a significant increase was publications: 61.2% of 2021 graduates reported authoring a paper submitted for publication, compared to 55.1% of 2020 respondents.

Graduates Report Higher Approval with Electives Advice

Despite reporting fewer elective activities, 75.4% of 2021 medical school graduates said they agree or strongly agree that they “received appropriate guidance in the selection of electives.” This was higher than the 73.0% figure reported by 2020 graduates. Those who said they “strongly agree” has risen in recent years. In 2021, the portion who stated they “strongly agree” was 30.7%; by comparison, in 2017 the portion who stated “strongly agree” was 26.1%.

More Students Graduate with No Medical School Debt

The percentage of 2021 GQ respondents who graduated with no medical school debt was 29.5%. The share of graduates without medical school debt has grown modestly in recent years: in 2017, the figure was 26.9%.

For 2021 GQ respondents who graduated with debt, the median medical school debt reported was \$200,000, the same figure reported by graduates since 2019. For total educational debt, which is the sum of premedical educational debt and medical school debt, the median amount reported by indebted students in 2021 was \$200,000. This figure has been the same since 2018. Of those carrying debt, 46.7% indicated plans to enter a loan forgiveness program. More than four out of five of those respondents who plan to enter a loan forgiveness program also identified the Department of Education’s Public Loan Forgiveness Program in their repayment plans (83.9%).

Personal Interest Remains Top Influence on Medical Specialty Choice

The strongest influence on specialty choice reported by 2021 GQ respondents was “Fit with personality, interests, and skills”: 87.1% of respondents indicated that personal “fit” had a “strong influence.” Similarly, “Content of specialty” was selected by 82.6% of respondents as having had a strong influence. The third most frequently cited strong influence on specialty choice by 2021 graduates was “Role model influence” at 49.2%. Personal fit, content, and role modeling have been the three most frequently cited influences on specialty choice by each of the past five classes of medical school graduates.

Share of Graduates Who Plan to Serve the Underserved Grows in 2021

The percentage of 2021 medical school graduates who “plan to care primarily for an underserved population” was 40.3%, up from 36.7% among last year’s graduates. The share of new graduates who “plan to work primarily in an underserved area” also increased: among 2021 GQ respondents, 29.5% said they planned to work in an underserved area, compared to 26.9% reported by respondents in 2020.

More Students Aware of Mistreatment Policies and Procedures

The share of 2021 GQ respondents who said they were aware of school policies regarding the mistreatment of medical students was 97.9%. The percentage of students who indicated they knew the procedures for reporting mistreatment surpassed ninety percent (91.1%). This represents a five-point increase over the past five years (2017: 86.1%).

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 share of 2021 medical school graduates who reported experiencing any of these behaviors (excluding “embarrassment”) “once” or more during their time in medical school was 40.3%. This was higher than what was reported by 2020 graduates (39.6%), but roughly similar to what has been reported in recent years.

The share of 2021 GQ respondents who said they reported the behaviors they had been subjected to was 27.3%. This number has been increasing in recent years; in 2017, it was 21.0%. This change is also seen in the responses

of students who indicated that they reported incidents when they had witnessed other students subjected to negative behaviors: 19.8% of 2021 graduates said they reported behaviors they had witnessed, up from 16.3% reported by respondents a year ago.

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

U.S. medical school graduates who were legally married comprised 22.2% of 2021 GQ respondents. This represents a decline of 2.4 points since 2017 (24.4%). The percentage of medical school graduates who reported having dependents other than a spouse was 7.3% in 2021, down only slightly from the 7.4% reported by graduates in 2020.

Among 2021 GQ respondents, less than one percent (0.7%) 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 90.8% of respondents, those who identified as “gay or lesbian” were 4.3% of respondents, and those who identified as “bisexual” were 5.0%.

About Half of Students with Disabilities Received School Accommodations

Of the 2021 medical school graduates who responded to the GQ, 8.3% indicated they were a person with a disability. A much smaller number, under one percent (0.9%), indicated they did not know if they were a person with a disability. The most frequent disabilities cited by 2021 medical school graduates with disabilities were: ADHD (60.7%), psychological disability (14.7%), chronic health disability (14.3%), and learning disability (6.9%).

Of the 8.3% of 2021 GQ respondents who indicated they had a disability, just under half (48.7%) reported that their school provided accommodations for their disability. This number reflects a four point decline compared to the 52.6% reported by 2020 respondents. For respondents with disabilities who said that their school did not provide accommodations, just over two thirds (69.5%) answered, “I have not requested accommodations because I feel I do not need accommodations.” Those answering, “I have not requested accommodations for other reasons,” were 27.9%, an increase of five points over the 23.0% figure reported by similar 2020 respondents.

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

Providing Feedback

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

		All Schools				
		2017	2018	2019	2020	2021
Total number of students who responded to the questionnaire:		15,609	16,223	16,657	16,630	16,611
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	50.7	48.2	47.7
Female		48.7	49.1	49.3	51.8	52.3
Number of respondents		15,609	16,222	16,655	16,626	16,605
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	0.4	0.3	0.3	0.4
24 through 26		40.0	39.9	39.5	39.5	37.6
27 through 29		42.2	41.7	42.6	42.8	44.2
30 through 32		11.8	12.0	12.0	11.7	11.8
Over 32		5.6	6.0	5.6	5.7	6.1
Number of respondents		15,609	16,223	16,657	16,630	16,611
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		0.8	0.7	0.9	0.7	0.7
Asian		22.9	23.1	23.9	24.0	25.3
Black or African American		6.2	5.8	6.7	6.9	7.1
Hispanic, Latino, or of Spanish origin		8.4	8.8	8.6	9.4	10.1
Native Hawaiian or Other Pacific Islander		0.3	0.2	0.3	0.3	0.3
White		65.0	64.9	63.2	62.6	60.9
Other		2.9	2.9	3.0	3.4	3.8
Non-US citizen and Non-permanent resident		1.6	1.7	1.9	1.7	1.5
Number of respondents		15,464	16,064	16,558	16,568	16,551
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)		73.9	74.3	75.3	76.1	76.6
Legally married		24.6	24.3	23.2	22.6	22.2
Common law or civil union		0.4	0.4	0.4	0.4	0.4
Divorced		0.9	0.8	0.9	0.7	0.7
Separated, but still legally married		0.2	0.1	0.2	0.1	0.2
Widowed		0.0	0.0	0.0	0.0	0.0
Number of respondents		14,360	15,319	15,581	15,352	15,414

		All Schools				
		2017	2018	2019	2020	2021
5.	How many dependents do you have (not including a spouse/partner)?	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	None	91.1	91.7	92.3	92.6	92.7
	One	5.4	4.9	4.4	4.5	4.5
	Two	2.6	2.3	2.2	2.0	1.9
	Three	0.7	0.8	0.7	0.6	0.7
	Four or more	0.2	0.4	0.3	0.2	0.2
	Number of respondents	14,349	15,301	15,544	15,323	15,390

6. Type of degree program:		Note: The data are from the AAMC Student Records System.				
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	MD	90.5	90.9	90.8	90.5	90.6
	Joint BA/MD	2.7	2.6	2.7	2.6	1.7
	Joint MD/MBA	0.8	0.8	0.9	1.0	0.8
	Joint MD/MPH	1.8	1.7	1.7	1.9	1.7
	Joint MD/PhD	3.1	3.0	2.9	2.9	3.1
	Joint MD/Other	1.2	1.0	1.1	1.3	2.1
	Number of respondents	15,609	16,223	16,657	16,630	16,611

7. Please indicate the extent to which you agree with the following statement:		Percentage of Respondents Selecting Each Rating					
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Count
Overall, I am satisfied with the quality of my medical education							
All Medical Schools	2021	1.3	3.4	6.8	49.5	39.1	15,898
All Medical Schools	2020	1.3	3.5	7.1	49.0	39.1	16,021
All Medical Schools	2019	1.4	3.2	6.2	49.4	39.8	16,020
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

8. Based on your experiences, indicate whether you agree or disagree with the following statements about medical school:		Percentage of Respondents Selecting Each Rating					
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Count
Basic science coursework had sufficient illustrations of clinical relevance.							
All Medical Schools	2021	1.5	7.4	12.8	53.0	25.3	16,367
All Medical Schools	2020	1.5	8.8	14.0	51.5	24.2	16,416
All Medical Schools	2019	1.5	9.2	14.5	51.7	23.1	16,477
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
Required clinical experiences integrated basic science content.							
All Medical Schools	2021	0.9	4.2	12.4	54.9	27.7	16,335
All Medical Schools	2020	1.0	5.1	13.9	54.6	25.5	16,386
All Medical Schools	2019	0.9	4.7	14.0	55.1	25.3	16,437
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

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	2021	9.1	24.9	41.2	24.8	16,111
All Medical Schools	2020	10.9	26.0	40.0	23.1	16,053
All Medical Schools	2019	11.0	26.5	40.2	22.3	16,161
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
Biostatistics and epidemiology						
All Medical Schools	2021	7.4	22.8	42.2	27.6	16,221
All Medical Schools	2020	8.1	23.9	42.0	26.0	16,248
All Medical Schools	2019	7.9	23.9	42.2	26.0	16,284
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
Genetics						
All Medical Schools	2021	5.0	22.5	46.6	26.0	16,207
All Medical Schools	2020	5.6	23.5	45.7	25.2	16,204
All Medical Schools	2019	5.1	23.5	46.6	24.8	16,288
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
Gross anatomy						
All Medical Schools	2021	3.6	10.5	33.3	52.6	16,320
All Medical Schools	2020	3.3	10.5	33.5	52.8	16,328
All Medical Schools	2019	3.1	10.3	34.4	52.2	16,402
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
Immunology						
All Medical Schools	2021	3.7	14.8	44.4	37.1	16,272
All Medical Schools	2020	3.7	15.6	44.8	35.9	16,264
All Medical Schools	2019	3.8	15.5	45.4	35.2	16,341
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
Introduction to Clinical Medicine/Introduction to the Patient						
All Medical Schools	2021	1.8	6.4	29.1	62.7	16,088
All Medical Schools	2020	1.7	6.5	29.3	62.5	16,083
All Medical Schools	2019	1.6	6.8	29.5	62.1	16,178
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
Microanatomy/Histology						
All Medical Schools	2021	6.4	21.4	41.0	31.1	16,188
All Medical Schools	2020	7.4	22.3	41.1	29.2	16,168
All Medical Schools	2019	7.2	21.5	41.7	29.6	16,257
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

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	2021	3.0	11.5	38.8	46.7	16,267
All Medical Schools	2020	3.5	11.6	38.4	46.6	16,273
All Medical Schools	2019	3.7	11.6	38.8	45.8	16,358
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
Neuroscience						
All Medical Schools	2021	3.9	12.5	38.8	44.9	16,273
All Medical Schools	2020	4.1	12.8	39.0	44.1	16,276
All Medical Schools	2019	4.3	12.6	38.4	44.7	16,359
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
Pathology						
All Medical Schools	2021	2.7	12.5	40.7	44.1	16,201
All Medical Schools	2020	3.2	12.8	40.0	43.9	16,210
All Medical Schools	2019	2.8	12.8	40.4	44.0	16,305
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
Pharmacology						
All Medical Schools	2021	4.6	14.3	37.8	43.3	16,284
All Medical Schools	2020	5.6	14.5	37.9	42.1	16,292
All Medical Schools	2019	6.0	15.4	37.9	40.7	16,364
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
Physiology						
All Medical Schools	2021	2.0	8.4	36.4	53.2	16,259
All Medical Schools	2020	2.0	8.3	36.9	52.8	16,254
All Medical Schools	2019	2.2	8.0	37.6	52.2	16,320
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
Behavioral science						
All Medical Schools	2021	1.9	9.6	41.5	47.0	16,182
All Medical Schools	2020	2.2	10.2	42.8	44.8	16,167
All Medical Schools	2019	2.4	11.4	43.3	42.9	16,185
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
Pathophysiology of disease						
All Medical Schools	2021	1.2	5.4	34.8	58.6	16,191
All Medical Schools	2020	1.2	5.8	34.6	58.3	16,198
All Medical Schools	2019	1.2	5.5	35.6	57.7	16,221
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

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	2021	3.2	9.1	31.2	56.5	11,947
All Medical Schools	2020	3.5	9.2	31.2	56.0	12,041
All Medical Schools	2019	3.7	9.0	31.2	56.2	12,006
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
Family Medicine						
All Medical Schools	2021	3.6	10.8	31.1	54.5	15,544
All Medical Schools	2020	4.1	10.6	30.9	54.4	15,823
All Medical Schools	2019	4.0	12.0	31.4	52.6	15,816
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
Internal Medicine						
All Medical Schools	2021	2.1	6.5	26.6	64.8	16,285
All Medical Schools	2020	2.2	6.8	28.0	63.0	16,397
All Medical Schools	2019	2.1	6.9	29.0	61.9	16,490
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
Neurology						
All Medical Schools	2021	5.1	14.8	35.8	44.4	14,464
All Medical Schools	2020	6.3	16.2	35.8	41.7	14,525
All Medical Schools	2019	5.8	16.1	35.9	42.1	14,805
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
Obstetrics-Gynecology/Women's Health						
All Medical Schools	2021	6.9	14.4	32.5	46.3	16,258
All Medical Schools	2020	7.0	14.3	32.3	46.3	16,402
All Medical Schools	2019	7.1	14.0	33.0	45.9	16,484
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
Pediatrics						
All Medical Schools	2021	2.9	9.0	31.4	56.7	16,258
All Medical Schools	2020	3.2	9.5	31.6	55.7	16,399
All Medical Schools	2019	3.2	10.4	32.8	53.6	16,483
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
Psychiatry						
All Medical Schools	2021	2.5	8.8	31.5	57.2	16,253
All Medical Schools	2020	3.1	9.3	32.2	55.5	16,391
All Medical Schools	2019	2.6	9.7	32.5	55.2	16,479
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

- 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	2021	4.9	12.3	33.9	48.9	16,266
All Medical Schools	2020	5.5	12.6	34.1	47.8	16,395
All Medical Schools	2019	5.0	12.9	34.7	47.4	16,481
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 Schools				
		2017	2018	2019	2020	2021
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
11. Clerkship Experiences: Family Medicine						
Family Medicine: Were you observed taking the relevant portions of the patient history?						
Yes		90.0	91.0	91.6	92.7	93.4
No		10.0	9.0	8.4	7.3	6.6
Number of respondents		14,626	15,293	15,758	15,737	15,457
		<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		91.7	92.7	92.9	94.1	94.4
No		8.3	7.3	7.1	5.9	5.6
Number of respondents		14,563	15,228	15,699	15,693	15,408
		<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		95.0	95.2	95.6	96.2	95.9
No		5.0	4.8	4.4	3.8	4.1
Number of respondents		14,566	15,221	15,705	15,695	15,427

		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	2021	1.6	3.6	7.8	34.5	52.5	15,422
All Medical Schools	2020	1.8	4.0	8.6	34.1	51.6	15,702
All Medical Schools	2019	2.1	4.0	9.3	34.6	50.0	15,721
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

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.

The 2019 data for this item are missing due to an error in the collection instrument.

All Medical Schools	2021	1.7	2.8	7.9	29.7	58.0	8,509
All Medical Schools	2020	2.2	3.7	8.2	30.4	55.5	8,368
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 Schools				
		2017	2018	2019	2020	2021
		<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		93.4	93.9	94.3	94.7	95.7
No		6.6	6.1	5.7	5.3	4.3
Number of respondents		15,275	15,972	16,413	16,306	16,204
		<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		94.3	94.8	95.0	95.6	96.4
No		5.7	5.2	5.0	4.4	3.6
Number of respondents		15,206	15,905	16,348	16,247	16,136
		<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		98.0	98.0	98.2	98.2	98.4
No		2.0	2.0	1.8	1.8	1.6
Number of respondents		15,210	15,914	16,360	16,265	16,160

		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	2021	0.8	1.9	4.4	27.0	65.9	16,163
All Medical Schools	2020	1.1	1.9	4.8	28.5	63.8	16,282
All Medical Schools	2019	1.0	2.0	4.9	29.0	63.1	16,387
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

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.

The 2019 data for this item are missing due to an error in the collection instrument.

All Medical Schools	2021	0.8	1.4	3.6	20.7	73.6	15,481
All Medical Schools	2020	1.0	1.6	3.8	23.0	70.6	15,610
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 Schools				
		2017	2018	2019	2020	2021
		<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		82.9	84.5	85.9	86.6	89.7
No		17.1	15.5	14.1	13.4	10.3
Number of respondents		13,653	14,478	14,730	14,413	14,364
		<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		90.9	92.0	92.4	92.6	94.0
No		9.1	8.0	7.6	7.4	6.0
Number of respondents		13,607	14,417	14,672	14,382	14,319
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Neurology: Were you provided with mid-clerkship feedback?						
Yes		88.5	89.2	89.8	90.2	91.7
No		11.5	10.8	10.2	9.8	8.3
Number of respondents		13,596	14,413	14,672	14,389	14,326

		Percentage of Respondents Selecting Each Rating					Count
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	
Neurology: Faculty provided effective teaching during the clerkship							
All Medical Schools	2021	1.8	4.0	10.5	35.7	48.0	14,329
All Medical Schools	2020	2.2	4.9	12.0	36.9	44.0	14,403
All Medical Schools	2019	1.9	4.5	12.4	37.2	43.9	14,709
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

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.

The 2019 data for this item are missing due to an error in the collection instrument.

All Medical Schools	2021	1.6	3.8	8.8	30.0	55.7	11,903
All Medical Schools	2020	2.1	4.7	10.3	31.3	51.5	11,893
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 Schools				
		2017	2018	2019	2020	2021
		Percent	Percent	Percent	Percent	Percent
11. Clerkship Experiences: Obstetrics-Gynecology/Women's Health						
Obstetrics-Gynecology/Women's Health: Were you observed taking the relevant portions of the patient history?						
Yes		83.3	84.4	85.9	87.2	88.6
No		16.7	15.6	14.1	12.8	11.4
Number of respondents		15,257	15,971	16,401	16,285	16,168
		Percent	Percent	Percent	Percent	Percent
Obstetrics-Gynecology/Women's Health: Were you observed performing the relevant portions of the physical or mental status exam?						
Yes		91.0	91.2	92.4	92.9	93.1
No		9.0	8.8	7.6	7.1	6.9
Number of respondents		15,205	15,915	16,340	16,249	16,107
		Percent	Percent	Percent	Percent	Percent
Obstetrics-Gynecology/Women's Health: Were you provided with mid-clerkship feedback?						
Yes		93.6	94.0	94.2	94.8	94.4
No		6.4	6.0	5.8	5.2	5.6
Number of respondents		15,214	15,910	16,354	16,255	16,131

		Percentage of Respondents Selecting Each Rating					Count
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	
Obstetrics-Gynecology/Women's Health: Faculty provided effective teaching during the clerkship							
All Medical Schools	2021	3.0	6.8	12.8	36.2	41.2	16,137
All Medical Schools	2020	3.1	6.6	13.4	36.6	40.2	16,278
All Medical Schools	2019	3.0	6.8	13.7	37.5	39.1	16,380
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

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.

The 2019 data for this item are missing due to an error in the collection instrument.

All Medical Schools	2021	4.4	7.4	10.6	30.2	47.3	14,340
All Medical Schools	2020	4.9	7.6	11.6	31.1	44.9	14,401
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 Schools				
	2017	2018	2019	2020	2021
11. Clerkship Experiences: Pediatrics	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Pediatrics: Were you observed taking the relevant portions of the patient history?					
Yes	92.2	92.8	93.2	94.1	95.1
No	7.8	7.2	6.8	5.9	4.9
Number of respondents	15,274	15,970	16,400	16,291	16,171
	<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	93.5	94.1	94.6	95.3	96.3
No	6.5	5.9	5.4	4.7	3.7
Number of respondents	15,220	15,901	16,341	16,246	16,107
	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Pediatrics: Were you provided with mid-clerkship feedback?					
Yes	96.3	96.6	96.8	97.2	97.2
No	3.7	3.4	3.2	2.8	2.8
Number of respondents	15,210	15,908	16,348	16,264	16,122

		Percentage of Respondents Selecting Each Rating					Count
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	
Pediatrics: Faculty provided effective teaching during the clerkship							
All Medical Schools	2021	1.0	2.4	6.3	33.4	56.8	16,132
All Medical Schools	2020	1.1	2.4	7.1	34.3	55.1	16,277
All Medical Schools	2019	1.4	2.8	7.4	34.7	53.7	16,380
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

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.

The 2019 data for this item are missing due to an error in the collection instrument.

All Medical Schools	2021	1.3	2.8	6.3	28.6	61.1	14,567
All Medical Schools	2020	1.7	3.2	7.4	29.8	57.9	14,571
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 Schools				
		2017	2018	2019	2020	2021
		<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		92.5	93.2	93.8	94.5	95.6
No		7.5	6.8	6.2	5.5	4.4
Number of respondents		15,257	15,968	16,405	16,282	16,161
		<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		91.5	92.5	92.6	93.7	94.7
No		8.5	7.5	7.4	6.3	5.3
Number of respondents		15,212	15,897	16,332	16,259	16,113
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Psychiatry: Were you provided with mid-clerkship feedback?						
Yes		93.9	94.6	95.0	95.5	95.7
No		6.1	5.4	5.0	4.5	4.3
Number of respondents		15,206	15,885	16,332	16,249	16,127

		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	2021	1.2	2.9	7.9	34.8	53.2	16,123
All Medical Schools	2020	1.5	3.5	8.7	35.4	50.9	16,268
All Medical Schools	2019	1.4	3.5	9.0	35.9	50.1	16,373
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

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.

The 2019 data for this item are missing due to an error in the collection instrument.

All Medical Schools	2021	1.0	2.4	7.0	29.9	59.6	13,026
All Medical Schools	2020	1.2	3.1	8.0	32.1	55.6	12,731
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 Schools				
		2017	2018	2019	2020	2021
		<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		74.4	74.9	77.6	79.5	82.8
No		25.6	25.1	22.4	20.5	17.2
Number of respondents		15,234	15,968	16,384	16,280	16,141
		<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		80.4	81.0	82.8	84.1	86.8
No		19.6	19.0	17.2	15.9	13.2
Number of respondents		15,194	15,901	16,318	16,244	16,102
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Surgery: Were you provided with mid-clerkship feedback?						
Yes		92.0	92.4	92.5	92.9	93.3
No		8.0	7.6	7.5	7.1	6.7
Number of respondents		15,205	15,904	16,337	16,241	16,127

		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	2021	3.2	6.7	14.1	36.1	40.0	16,134
All Medical Schools	2020	3.6	7.6	14.9	36.4	37.5	16,265
All Medical Schools	2019	3.5	7.5	15.1	37.0	36.9	16,361
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

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.

The 2019 data for this item are missing due to an error in the collection instrument.

All Medical Schools	2021	2.9	5.3	9.6	29.8	52.4	14,758
All Medical Schools	2020	3.5	6.3	10.1	30.4	49.7	14,886
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

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	2021	0.6	1.8	6.1	44.0	47.5	16,143
All Medical Schools	2020	0.5	2.0	7.6	42.5	47.3	16,008
All Medical Schools	2019	0.6	1.9	6.8	44.1	46.5	16,180
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
I have the fundamental understanding of common conditions and their management encountered in the major clinical disciplines.							
All Medical Schools	2021	0.3	0.9	4.6	47.3	46.9	16,131
All Medical Schools	2020	0.3	0.8	4.9	45.5	48.5	16,002
All Medical Schools	2019	0.3	0.9	4.3	46.2	48.2	16,173
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
I have the communication skills necessary to interact with patients and health professionals.							
All Medical Schools	2021	0.2	0.1	1.3	23.6	74.7	16,124
All Medical Schools	2020	0.2	0.2	1.4	21.4	76.8	15,995
All Medical Schools	2019	0.2	0.2	1.3	21.8	76.6	16,164
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
I have basic skills in clinical decision making and the application of evidence based information to medical practice.							
All Medical Schools	2021	0.3	0.6	4.1	41.5	53.5	16,109
All Medical Schools	2020	0.2	0.6	4.1	39.0	56.1	15,990
All Medical Schools	2019	0.3	0.6	3.7	39.9	55.5	16,165
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
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	2021	0.4	1.0	4.4	35.9	58.3	16,127
All Medical Schools	2020	0.3	0.8	4.3	33.7	60.9	15,997
All Medical Schools	2019	0.3	1.1	4.1	34.4	60.2	16,171
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
I understand the ethical and professional values that are expected of the profession.							
All Medical Schools	2021	0.3	0.2	1.4	26.6	71.5	16,116
All Medical Schools	2020	0.2	0.2	1.3	23.4	74.9	15,983
All Medical Schools	2019	0.2	0.2	1.4	24.1	74.0	16,154
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
I believe I am adequately prepared to care for patients from different backgrounds.							
All Medical Schools	2021	0.5	1.1	4.2	33.8	60.4	16,100
All Medical Schools	2020	0.3	0.7	3.4	29.9	65.7	15,984
All Medical Schools	2019	0.3	0.6	2.8	29.4	67.0	16,137
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
I have the skills to apply the principles of high value care (e.g., quality, safety, cost) in medical decision-making.							
All Medical Schools	2021	1.0	3.8	13.1	41.7	40.4	16,112
All Medical Schools	2020	1.1	5.0	15.5	41.1	37.2	15,881
All Medical Schools	2019	1.3	5.2	16.1	40.2	37.2	16,074

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

		Percentage of Respondents Selecting Each Rating					Count
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	
I have the skills to address the social determinants that differentially influence the health status of patients.							
All Medical Schools	2021	0.7	2.2	8.1	38.6	50.5	16,097
All Medical Schools	2020	0.4	1.8	7.4	38.3	52.1	15,863
All Medical Schools	2019	0.6	1.8	7.8	38.6	51.3	16,048

		All Schools				
		2017	2018	2019	2020	2021
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		58.9	57.9	57.0	54.1	51.1
No		41.1	42.1	43.0	45.9	48.9
Number of respondents		15,137	15,913	16,116	15,906	16,138

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	2.4	3.0	3.0	2.9	3.7
Fair	6.0	6.3	6.9	7.0	6.6
Adequate	21.8	23.6	24.4	24.2	22.8
Very Good	37.1	35.9	35.6	35.5	36.2
Excellent	32.7	31.1	30.0	30.3	30.7
Number of respondents	8,892	9,191	9,169	8,584	8,244

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	47.8	50.4	53.7	55.7	52.7
Research project with faculty member	77.3	78.8	80.9	82.5	83.9
Authorship (sole or joint) of a peer-reviewed paper submitted for publication	48.6	50.5	54.0	55.1	61.2
Authorship (sole or joint) of a peer-reviewed oral or poster presentation	53.3	56.7	60.6	63.4	64.3
Global health experience	27.1	25.9	24.2	22.0	15.4
Educating elementary, high school or college students about careers in health professions or biological sciences	49.6	51.6	53.7	54.5	50.1
Providing health education (e.g., HIV/AIDS education, breast cancer awareness, smoking cessation, obesity)	61.6	63.1	64.5	65.1	59.8
Field experience in providing health education in the community (e.g., adult/child protective services, family violence program, rape crisis hotline)	36.0	35.8	35.5	35.0	33.9
Field experience in home care	33.2	33.2	31.3	30.4	23.8
Learned another language in order to improve communication with patients	24.8	24.7	24.9	25.6	23.2
Learned the proper use of the interpreter when needed	79.7	83.5	84.3	85.4	84.4
Experience related to health disparities	76.6	79.7	79.0	80.8	82.3

		All Schools				
		2017	2018	2019	2020	2021
14.	Indicate the activities you will have participated in during medical school on an elective (for credit) or volunteer (not required) basis: (Continued)					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Experience related to cultural awareness and cultural competence	73.7	75.9	74.9	76.1	75.5
	Community-based research project	31.8	33.4	32.7	36.0	35.3
	Field experience in nursing home care	31.2	31.9	29.0	27.9	20.1
	Experience with a free clinic for the underserved population	72.3	74.7	74.1	74.4	72.2
	Other	2.5	1.9	1.6	1.8	1.9
	Number of respondents	15,132	15,932	16,126	15,935	16,143

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	2021	2.5	6.9	15.3	44.7	30.7	15,853
All Medical Schools	2020	3.1	7.6	16.4	43.8	29.1	15,800
All Medical Schools	2019	3.2	8.5	16.5	43.8	28.0	15,972
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

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	2021	0.8	1.5	8.3	42.6	46.9	16,023
All Medical Schools	2020	0.5	1.5	8.3	42.2	47.5	15,836
All Medical Schools	2019	0.6	1.7	7.9	43.2	46.6	16,025
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
The diversity within my medical school class enhanced my training and skills to work with individuals from different backgrounds.							
All Medical Schools	2021	3.7	8.4	17.5	34.6	35.8	16,021
All Medical Schools	2020	3.3	8.2	18.0	33.6	36.9	15,829
All Medical Schools	2019	3.3	8.2	17.7	34.3	36.6	16,019
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 Schools		
		2019	2020	2021
17.	By the time you have graduated from medical school, will you have completed any away rotations, either in-person or virtual? Include only rotations that were not required by your medical school for graduation AND were at (or administered by) institutions not affiliated with your medical school.			
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes	55.5	54.7	18.5
	No	44.5	45.3	81.5
	Number of respondents	16,034	15,860	16,069
18.	Number of Away Rotations			
	In-Person Away Rotations			<u>Percent</u>
	Zero rotations			89.8
	One			6.8
	Two or more			3.4
	Virtual Away Rotations			<u>Percent</u>
	Zero rotations			90.3
	One			6.6
	Two or more			3.1
	Total Away Rotations			
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Zero away rotations	44.6	45.3	82.0
	One	22.0	21.5	10.9
	Two	20.3	19.6	4.5
	Three or more	13.1	13.7	2.6
	Number of respondents	15,992	15,850	15,972

19. 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	2021	0.9	9.6	3.3	15,864
All Medical Schools	2020	0.9	9.6	3.3	15,667
All Medical Schools	2019	0.9	9.6	3.3	15,875
All Medical Schools	2018	0.9	9.5	3.2	15,635
All Medical Schools	2017	0.9	9.6	3.2	14,747

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	2021	0.8	14.4	3.5	15,776
All Medical Schools	2020	0.8	14.5	3.4	15,606
All Medical Schools	2019	0.8	14.5	3.4	15,782
All Medical Schools	2018	0.8	14.3	3.4	15,538
All Medical Schools	2017	0.8	14.3	3.4	14,621

20. 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	2021	9.3	38.0	32.4	8.9	7.5	3.9	15,902
All Medical Schools	2020	8.2	37.5	33.9	9.3	7.6	3.5	15,722
All Medical Schools	2019	7.6	35.6	35.0	9.7	8.3	3.8	15,923
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

21. 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	2021	0.1	0.1	1.4	6.2	32.6	59.6	15,809
All Medical Schools	2020	0.1	0.2	1.3	6.1	36.0	56.4	15,656
All Medical Schools	2019	0.1	0.1	1.7	6.8	36.6	54.7	15,869
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
Using professional language/avoiding derogatory language								
All Medical Schools	2021	0.7	1.2	3.8	13.0	44.3	36.9	15,810
All Medical Schools	2020	0.6	1.6	3.3	12.0	46.6	35.8	15,652
All Medical Schools	2019	0.6	1.6	3.8	12.8	47.3	33.9	15,872
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
Being respectful of house staff and other physicians								
All Medical Schools	2021	0.1	0.2	3.5	13.0	46.0	37.2	15,805
All Medical Schools	2020	0.1	0.4	3.2	13.1	48.8	34.5	15,650
All Medical Schools	2019	0.1	0.3	3.4	14.4	48.9	32.9	15,862
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
Respecting diversity								
All Medical Schools	2021	0.2	0.7	6.3	15.9	39.3	37.6	15,799
All Medical Schools	2020	0.2	0.6	4.9	12.8	41.9	39.6	15,641
All Medical Schools	2019	0.2	0.6	4.6	13.5	40.9	40.2	15,855
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
Being respectful of other health professions								
All Medical Schools	2021	0.1	0.4	4.7	16.3	43.4	35.1	15,761
All Medical Schools	2020	0.2	0.4	4.2	15.8	45.9	33.5	15,618
All Medical Schools	2019	0.1	0.4	4.9	16.7	45.7	32.3	15,828
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
Being respectful of other specialties								
All Medical Schools	2021	0.1	0.9	8.4	24.4	43.2	23.0	15,801
All Medical Schools	2020	0.1	0.9	8.2	25.6	44.2	20.9	15,647
All Medical Schools	2019	0.1	1.0	9.6	26.2	43.5	19.6	15,871
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
Providing direction and constructive feedback								
All Medical Schools	2021	0.2	1.5	11.0	24.1	41.1	22.1	15,794
All Medical Schools	2020	0.2	1.5	11.5	24.7	41.4	20.7	15,654
All Medical Schools	2019	0.2	1.5	11.6	24.8	41.5	20.4	15,860
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
Showing respectful interaction with students								
All Medical Schools	2021	0.2	0.5	5.7	19.0	48.3	26.3	15,789
All Medical Schools	2020	0.1	0.5	5.4	18.9	50.3	24.7	15,650
All Medical Schools	2019	0.1	0.4	6.0	19.3	49.8	24.4	15,859
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

21. 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	2021	0.2	0.6	6.0	19.9	47.7	25.6	15,790
All Medical Schools	2020	0.1	0.5	5.9	18.5	50.2	24.8	15,642
All Medical Schools	2019	0.1	0.4	5.9	19.8	49.7	24.0	15,847
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
Being respectful of patients' dignity and autonomy								
All Medical Schools	2021	0.1	0.3	3.8	14.7	45.0	36.2	15,748
All Medical Schools	2020	0.1	0.2	3.4	13.3	47.7	35.2	15,596
All Medical Schools	2019	0.1	0.3	3.9	14.9	46.5	34.3	15,816
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
Actively listened and showed interest in patients								
All Medical Schools	2021	0.1	0.3	4.5	17.6	50.1	27.5	15,798
All Medical Schools	2020	0.1	0.3	3.8	16.3	52.8	26.7	15,651
All Medical Schools	2019	0.1	0.3	4.3	17.5	51.9	26.0	15,864
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
Taking time and effort to explain information to patients								
All Medical Schools	2021	0.1	0.8	7.3	21.8	45.8	24.2	15,801
All Medical Schools	2020	0.1	0.6	6.5	21.0	48.8	23.0	15,645
All Medical Schools	2019	0.1	0.7	6.9	21.5	47.9	22.9	15,861
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
Advocating appropriately on behalf of his/her patients								
All Medical Schools	2021	0.1	0.5	5.4	17.5	46.3	30.1	15,792
All Medical Schools	2020	0.1	0.3	5.0	15.5	49.1	29.9	15,640
All Medical Schools	2019	0.1	0.5	5.2	16.0	48.8	29.4	15,852
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
Resolving conflicts in ways that respect the dignity of all involved								
All Medical Schools	2021	0.1	0.4	5.1	17.5	47.4	29.4	15,759
All Medical Schools	2020	0.2	0.5	4.5	16.2	50.3	28.4	15,626
All Medical Schools	2019	0.1	0.4	5.0	16.8	49.7	28.0	15,827
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

22. 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	2021	2.9	6.6	19.4	41.1	30.0	15,710
All Medical Schools	2020	2.5	6.4	18.4	41.0	31.6	15,522
All Medical Schools	2019	2.8	6.3	18.6	40.4	31.9	15,746
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
My medical school has done a good job of fostering and nurturing my development as a future physician							
All Medical Schools	2021	0.9	1.7	6.2	43.7	47.5	15,784
All Medical Schools	2020	0.7	1.5	5.9	43.8	48.1	15,634
All Medical Schools	2019	0.7	1.6	5.9	44.0	47.8	15,849
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

23. 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	2021	0.8	25.2	6.0	15,471
All Medical Schools	2020	0.8	24.9	6.0	15,389
All Medical Schools	2019	0.8	24.9	6.0	15,602
All Medical Schools	2018	0.8	24.7	6.1	15,331
All Medical Schools	2017	0.8	24.8	6.1	14,415

24. 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	2021	0.8	24.6	4.5	15,455
All Medical Schools	2020	0.8	24.3	4.6	15,350
All Medical Schools	2019	0.8	24.1	4.6	15,561
All Medical Schools	2018	0.8	23.9	4.6	15,233
All Medical Schools	2017	0.8	23.8	4.6	14,289

25. 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	2021	0.8	9.7	3.7	15,341
All Medical Schools	2020	0.8	9.8	3.7	15,302
All Medical Schools	2019	0.8	9.9	3.7	15,475
All Medical Schools	2018	0.8	9.9	3.7	15,251
All Medical Schools	2017	0.8	9.8	3.7	14,196

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	2021	0.8	11.0	3.8	15,353
All Medical Schools	2020	0.8	11.1	3.8	15,285
All Medical Schools	2019	0.8	11.1	3.8	15,477
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 Schools

2017 2018 2019 2020 2021

26. 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.

	Percent	Percent	Percent	Percent	Percent
Patient Care	97.1	97.2	97.4	97.7	97.7
Research	52.9	51.3	51.8	51.0	51.1
Teaching	83.1	82.9	82.5	82.8	82.0
Medical School Faculty	45.0	44.7	44.8	45.4	42.0
Administration (e.g., Department Chair, Dean)	28.3	28.5	27.9	27.8	26.6
Military Service	4.1	4.3	4.3	4.1	4.0
Public Health	29.8	31.6	30.2	31.3	32.3
Other	3.2	3.1	2.6	2.9	2.9
Number of respondents	14,485	15,430	15,673	15,470	15,538

		All Schools				
		2017	2018	2019	2020	2021
27.	Do you anticipate providing patient care full-time or part-time?					
	Note: Only those who selected "Patient Care" at Q26 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)	88.4	89.5	89.4	89.1	90.0
	Part-time (less than 36 hours a week)	11.6	10.5	10.6	10.9	10.0
	Number of respondents	14,032	14,940	15,218	15,067	15,072
28.	How exclusively do you expect to be involved in research?					
	Note: Only those who selected "Research" at Q26 could respond to this item.					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Full-time	2.5	3.1	2.8	2.7	2.8
	Significantly involved	44.1	44.4	44.9	45.1	45.1
	Involved in a limited way	53.4	52.4	52.4	52.2	52.0
	Number of respondents	7,647	7,900	8,103	7,887	7,913
29.	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	5.5	5.8	6.0	6.2	6.7
	Child Neurology			0.6	0.6	0.5
	Dermatology or subspecialty	2.4	2.2	2.3	2.2	2.3
	Emergency Medicine or subspecialty	9.4	9.1	9.3	9.4	9.8
	Family Medicine or subspecialty	8.7	9.3	8.7	8.6	8.6
	Internal Medicine or subspecialty	19.0	18.5	19.2	19.4	19.0
	Internal Medicine/Pediatrics	1.8	1.8	1.9	1.8	1.8
	Medical Genetics or subspecialty	0.0	0.1	0.1	0.1	0.1
	Neurological Surgery	1.0	1.2	1.3	1.1	1.0
	Neurology or subspecialty	2.9	3.1	2.4	2.5	2.6
	Nuclear Medicine	0.0	0.0	0.0	0.0	0.0
	Obstetrics and Gynecology or subspecialty	6.3	6.3	6.6	6.6	6.3
	Ophthalmology or subspecialty	2.3	2.4	2.2	2.3	2.3
	Orthopaedic Surgery or subspecialty	4.2	4.1	4.0	4.0	4.0
	Otolaryngology or subspecialty	1.6	1.7	1.9	2.1	1.9
	Pathology or subspecialty	1.2	1.3	1.1	1.1	1.0
	Pediatrics or subspecialty	11.2	10.3	9.8	9.7	9.6
	Physical Medicine and Rehabilitation or subspecialty	1.4	1.4	1.1	1.2	1.3
	Plastic Surgery or subspecialty	1.0	0.8	0.9	1.0	1.1
	Preventive Medicine or subspecialty	0.1	0.1	0.1	0.1	0.0
	Psychiatry or subspecialty	5.3	5.6	5.9	6.0	6.0
	Radiation Oncology	1.0	1.0	0.8	0.6	0.5
	Radiology or subspecialty	4.5	4.7	4.4	4.0	4.0
	Surgery - General Surgery or subspecialty	6.2	6.1	6.3	6.1	5.9
	Thoracic Surgery or subspecialty	0.4	0.5	0.5	0.5	0.6
	Urology or subspecialty	1.6	1.7	1.7	1.7	1.8
	Vascular Surgery	0.3	0.3	0.3	0.4	0.4
	Undecided	0.4	0.3	0.5	0.5	0.5
	I do not plan to practice medicine	0.2	0.2	0.2	0.2	0.2
	Number of respondents	14,526	15,452	15,706	15,482	15,560

		All Schools				
		2017	2018	2019	2020	2021
30. 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	17.6	19.4	19.0	19.3	19.8
	No	46.9	46.2	46.3	46.9	45.2
	Not sure	35.5	34.4	34.7	33.7	35.0
Number of respondents		14,513	15,438	15,706	15,476	15,563

31. 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	2021	4.7	5.5	15.3	26.5	48.0	15,500
All Medical Schools	2020	4.7	6.2	15.1	26.3	47.6	15,432
All Medical Schools	2019	4.9	5.9	14.7	27.1	47.4	15,653
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
AAMC's Careers in Medicine website							
All Medical Schools	2021	27.3	11.1	27.4	23.4	10.8	15,495
All Medical Schools	2020	29.0	9.9	26.5	23.1	11.5	15,425
All Medical Schools	2019	29.7	9.5	25.0	23.8	11.9	15,643
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
Specialty interest group-sponsored panels and presentations							
All Medical Schools	2021	12.1	6.0	22.6	32.6	26.7	15,486
All Medical Schools	2020	12.2	6.1	23.0	31.8	26.8	15,416
All Medical Schools	2019	13.0	6.2	23.2	32.8	24.8	15,644
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
School-sponsored career planning workshops and courses							
All Medical Schools	2021	24.5	10.5	24.2	26.6	14.2	15,491
All Medical Schools	2020	25.6	10.8	23.1	26.5	13.9	15,417
All Medical Schools	2019	26.2	10.3	23.7	26.2	13.7	15,628
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
Participation in in-house and extramural electives							
All Medical Schools	2021	12.9	4.3	12.8	25.0	45.0	15,474
All Medical Schools	2020	12.9	4.5	12.6	25.2	44.8	15,416
All Medical Schools	2019	13.3	4.4	12.4	25.9	44.0	15,620
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
Other publications and web-based resources							
All Medical Schools	2021	20.9	5.2	21.9	30.4	21.6	15,457
All Medical Schools	2020	21.4	5.1	21.7	30.3	21.5	15,380
All Medical Schools	2019	21.4	5.0	21.3	31.0	21.3	15,608
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

32. 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	2021	29.9	31.1	30.0	9.0	15,510
All Medical Schools	2020	30.9	30.7	28.7	9.7	15,443
All Medical Schools	2019	30.0	30.7	29.7	9.5	15,663
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
Level of educational debt						
All Medical Schools	2021	55.7	22.8	15.0	6.4	15,490
All Medical Schools	2020	54.4	23.6	14.9	7.0	15,431
All Medical Schools	2019	54.9	23.2	15.4	6.5	15,654
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
Role model influence						
All Medical Schools	2021	8.4	12.2	30.3	49.2	15,500
All Medical Schools	2020	7.5	11.5	28.9	52.1	15,439
All Medical Schools	2019	7.6	11.4	30.1	50.9	15,653
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
Options for fellowship training						
All Medical Schools	2021	18.7	19.3	29.4	32.6	15,484
All Medical Schools	2020	19.9	18.8	28.4	32.9	15,425
All Medical Schools	2019	19.2	19.4	29.4	32.0	15,646
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
Income expectations						
All Medical Schools	2021	20.8	31.1	32.6	15.4	15,494
All Medical Schools	2020	21.9	30.8	32.1	15.2	15,437
All Medical Schools	2019	21.3	30.7	33.1	14.8	15,653
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
Length of residency training						
All Medical Schools	2021	22.5	31.2	31.6	14.7	15,495
All Medical Schools	2020	24.5	32.0	29.7	13.8	15,443
All Medical Schools	2019	25.2	31.4	29.9	13.5	15,661
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
Family expectations						
All Medical Schools	2021	49.5	21.4	17.8	11.3	15,488
All Medical Schools	2020	49.2	21.8	17.2	11.9	15,438
All Medical Schools	2019	49.1	21.4	17.8	11.6	15,655
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

32. 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	2021	21.6	21.5	29.9	27.0	15,496
All Medical Schools	2020	21.8	21.8	29.2	27.2	15,443
All Medical Schools	2019	21.9	21.4	29.8	26.9	15,656
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
Work/Life balance						
All Medical Schools	2021	5.6	16.0	33.4	45.0	15,488
All Medical Schools	2020	6.2	16.7	33.5	43.6	15,436
All Medical Schools	2019	6.3	16.6	34.0	43.1	15,660
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
Fit with personality, interests, and skills						
All Medical Schools	2021	0.3	1.2	11.4	87.1	15,501
All Medical Schools	2020	0.4	1.2	10.8	87.6	15,436
All Medical Schools	2019	0.4	1.1	11.3	87.2	15,665
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
Content of specialty						
All Medical Schools	2021	0.5	1.5	15.4	82.6	15,495
All Medical Schools	2020	0.4	1.5	13.9	84.2	15,430
All Medical Schools	2019	0.5	1.6	14.6	83.4	15,645
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 Schools

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

	2017	2018	2019	2020	2021
	Percent	Percent	Percent	Percent	Percent
Alabama	0.9	0.9	0.6	0.7	0.6
Alaska	0.2	0.2	0.2	0.1	0.2
Arizona	0.8	1.0	0.9	0.8	0.8
Arkansas	0.2	0.6	0.4	0.4	0.4
California	15.0	13.9	12.5	11.9	11.7
Colorado	2.0	2.2	1.9	1.8	1.8
Connecticut	0.6	0.5	0.4	0.5	0.5
Delaware	0.1	0.1	0.0	0.1	0.1
District of Columbia	0.8	1.1	0.8	0.8	0.8
Florida	3.7	3.4	3.3	2.9	3.0
Georgia	1.9	2.2	2.0	2.0	2.1
Hawaii	0.4	0.5	0.6	0.4	0.5
Idaho	0.3	0.3	0.2	0.2	0.2
Iowa	0.3	0.3	0.3	0.3	0.2
Illinois	3.5	3.3	3.0	2.9	2.5
Indiana	0.6	0.8	0.7	0.6	0.7
Kansas	0.5	0.6	0.6	0.7	0.6
Kentucky	0.8	0.8	0.6	0.6	0.6
Louisiana	1.0	1.1	0.9	0.8	0.8
Maine	0.3	0.3	0.3	0.3	0.3

		All Schools				
		2017	2018	2019	2020	2021
33.	Where do you hope to work after completing your medical training? (Continued)					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Maryland	1.0	1.1	1.0	1.0	1.1
	Massachusetts	3.7	3.0	2.7	2.8	2.7
	Michigan	2.6	2.4	2.3	2.4	1.9
	Minnesota	1.6	1.6	1.7	1.4	1.4
	Mississippi	0.4	0.3	0.4	0.4	0.3
	Missouri	1.0	0.9	0.7	0.8	0.7
	Montana	0.3	0.3	0.3	0.4	0.2
	Nebraska	0.4	0.4	0.4	0.5	0.4
	Nevada	0.2	0.3	0.2	0.2	0.4
	New Hampshire	0.1	0.1	0.1	0.2	0.1
	New Jersey	0.9	0.9	0.9	1.1	0.9
	New Mexico	0.4	0.3	0.3	0.4	0.3
	New York	6.1	6.6	6.0	6.4	6.1
	North Carolina	2.5	2.7	2.2	2.3	2.2
	North Dakota	0.0	0.2	0.1	0.1	0.1
	Ohio	2.0	2.4	1.9	1.7	1.6
	Oklahoma	0.3	0.3	0.3	0.3	0.3
	Oregon	1.1	0.9	0.8	0.8	0.8
	Pennsylvania	3.7	3.7	2.9	2.7	2.5
	Puerto Rico	0.7	0.7	0.6	0.9	0.8
	Rhode Island	0.1	0.2	0.2	0.2	0.1
	South Carolina	1.1	1.0	0.7	0.9	1.0
	South Dakota	0.3	0.2	0.3	0.3	0.2
	Tennessee	1.3	1.1	1.0	1.0	1.0
	Texas	5.9	6.3	5.5	5.9	5.8
	Utah	0.8	0.8	0.7	0.7	0.6
	Vermont	0.2	0.2	0.1	0.3	0.2
	Virginia	1.5	1.6	1.1	1.2	1.2
	Washington	2.2	1.9	1.5	1.7	1.5
	West Virginia	0.4	0.3	0.3	0.3	0.2
	Wisconsin	1.2	1.0	1.1	0.8	0.9
	Wyoming	0.2	0.1	0.1	0.1	0.1
	U.S. Territory/Possession	0.0	0.1	0.1	0.1	0.1
	Canada	0.3	0.3	0.2	0.2	0.1
	Other Foreign Country	0.7	0.7	0.5	0.5	0.5
	Undecided	20.6	21.0	30.6	30.4	33.1
	Number of respondents	12,242	13,294	13,057	12,847	12,567

		All Schools				
		2017	2018	2019	2020	2021
34.	Please indicate the setting in which you plan to work after the completion of your medical education and training:					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Large city (population 500,000 or more)	39.7	40.7	39.9	39.8	39.7
	Suburb of a large city	13.1	13.4	13.0	13.2	12.7
	City of moderate size (population 50,000 to 500,000)	21.5	21.0	21.3	20.7	20.1
	Suburb of moderate size city	4.9	4.7	4.7	4.7	5.1
	Small city (population 10,000 to 50,000--other than suburb)	4.2	4.1	3.7	3.8	3.6
	Town (population 2,500 to 10,000--other than suburb)	1.8	1.7	1.8	1.8	1.7
	Small town (population less than 2,500)	0.6	0.6	0.7	0.6	0.6
	Rural/unincorporated area	1.2	1.1	1.0	1.3	1.4
	Undecided or no preference	13.0	12.6	13.8	14.1	15.1
	Number of respondents	14,477	15,391	15,660	15,453	15,512
35.	Do you plan to work primarily in an underserved area?					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes	25.5	26.4	26.9	26.9	29.5
	No	27.0	27.2	25.7	24.8	21.4
	Undecided	47.4	46.4	47.4	48.4	49.1
	Number of respondents	14,467	15,393	15,646	15,452	15,516
36.	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	33.4	34.7	36.1	36.7	40.3
	No	23.0	23.5	21.1	20.6	17.3
	Undecided	43.6	41.9	42.9	42.7	42.4
	Number of respondents	14,477	15,385	15,649	15,457	15,524
37.	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	2.1	2.1	1.9	2.1	2.1
	Probably not	5.5	5.8	5.5	5.8	5.9
	Neutral	9.1	9.2	9.0	9.0	9.3
	Probably yes	32.6	32.0	32.3	32.4	32.1
	Yes	50.7	51.0	51.3	50.7	50.6
	Number of respondents	14,490	15,417	15,698	15,471	15,550

- 38. 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	2021	2.3	4.1	14.6	36.6	42.4	15,524
All Medical Schools	2020	2.0	3.5	15.0	37.4	42.1	15,426
All Medical Schools	2019	1.8	3.3	14.9	37.4	42.6	15,639
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
Office of the Dean of Students/Associate Dean for Students: Awareness of student concerns							
All Medical Schools	2021	4.5	8.1	16.1	36.6	34.6	15,519
All Medical Schools	2020	4.1	7.4	16.5	36.8	35.2	15,410
All Medical Schools	2019	3.7	7.8	16.8	36.7	35.0	15,627
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
Office of the Dean of Students/Associate Dean for Students: Responsiveness to student problems							
All Medical Schools	2021	5.5	8.9	16.7	34.2	34.7	15,476
All Medical Schools	2020	4.7	8.2	17.7	34.2	35.2	15,386
All Medical Schools	2019	4.4	7.9	17.4	34.2	36.1	15,582
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
Office of the Dean for Educational Programs/Curricular Affairs: Accessibility							
All Medical Schools	2021	2.3	3.7	19.7	40.2	34.1	15,484
All Medical Schools	2020	2.0	3.5	20.2	40.3	33.9	15,405
All Medical Schools	2019	2.0	3.4	21.0	39.7	34.0	15,610
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
Office of the Dean for Educational Programs/Curricular Affairs: Awareness of student concerns							
All Medical Schools	2021	3.7	6.7	20.5	38.6	30.5	15,481
All Medical Schools	2020	3.4	6.7	20.7	38.8	30.4	15,403
All Medical Schools	2019	3.5	6.6	21.1	38.5	30.2	15,589
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
Office of the Dean for Educational Programs/Curricular Affairs: Responsiveness to student problems							
All Medical Schools	2021	4.6	7.8	21.1	36.4	30.0	15,477
All Medical Schools	2020	4.2	8.1	21.2	36.4	30.1	15,397
All Medical Schools	2019	4.1	7.5	22.0	36.2	30.2	15,589
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
Office of the Dean for Educational Programs/Curricular Affairs: Participation of students on key medical school committees							
All Medical Schools	2021	2.8	4.2	20.8	38.4	33.9	15,435
All Medical Schools	2020	2.5	3.9	20.9	38.9	33.7	15,372
All Medical Schools	2019	2.4	3.8	22.1	38.4	33.4	15,549
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
Student Support: Academic counseling*							
All Medical Schools	2021	4.2	8.3	13.1	39.1	35.3	12,589
All Medical Schools	2020	4.2	8.9	14.0	38.9	34.1	12,351
All Medical Schools	2019	4.6	9.1	13.1	39.0	34.2	12,343
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

- 38. 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	2021	3.7	6.8	15.4	38.6	35.4	7,874
All Medical Schools	2020	3.9	7.4	17.1	37.6	34.1	7,460
All Medical Schools	2019	4.4	8.1	18.1	37.1	32.2	7,339
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
Student Support: Personal counseling*							
All Medical Schools	2021	4.5	8.3	15.4	35.0	36.9	9,494
All Medical Schools	2020	4.8	8.4	14.7	35.1	37.0	9,086
All Medical Schools	2019	4.7	8.6	15.1	35.2	36.5	9,105
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
Student Support: Financial aid administrative services*							
All Medical Schools	2021	4.0	6.8	14.9	35.8	38.5	12,033
All Medical Schools	2020	4.3	7.3	14.7	35.8	37.9	11,894
All Medical Schools	2019	4.2	7.2	14.9	36.4	37.3	11,973
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
Student Support: Overall educational debt management counseling*							
All Medical Schools	2021	5.1	9.6	19.0	35.5	30.9	11,181
All Medical Schools	2020	5.9	10.2	19.2	34.7	30.0	11,051
All Medical Schools	2019	5.1	10.0	19.1	35.7	30.0	11,251
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
Student Support: Senior loan exit interview*							
All Medical Schools	2021	3.5	5.0	20.4	36.2	34.9	9,033
All Medical Schools	2020	3.6	4.8	21.3	36.3	34.0	8,914
All Medical Schools	2019	3.3	4.6	20.8	37.7	33.6	9,094
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
Student Support: Faculty mentoring*							
All Medical Schools	2021	2.3	5.0	11.7	36.4	44.7	14,960
All Medical Schools	2020	2.5	5.6	11.5	35.7	44.7	14,781
All Medical Schools	2019	2.4	5.4	11.6	36.4	44.3	14,990
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
Career Planning Services: Career preference assessment activities*							
All Medical Schools	2021	3.6	7.7	23.3	41.5	23.9	11,576
All Medical Schools	2020	4.2	8.8	24.0	40.3	22.8	11,190
All Medical Schools	2019	4.1	8.6	23.9	40.8	22.7	11,237
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
Career Planning Services: Information about specialties*							
All Medical Schools	2021	2.7	6.4	16.8	45.6	28.4	13,766
All Medical Schools	2020	3.0	7.2	17.5	45.1	27.2	13,503
All Medical Schools	2019	3.0	7.4	16.9	45.8	26.8	13,659
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

- 38. 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	2021	10.1	22.0	25.1	25.3	17.5	10,012
All Medical Schools	2020	11.0	23.3	26.5	22.9	16.3	9,559
All Medical Schools	2019	11.1	22.4	26.0	23.9	16.6	9,794
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
Career Planning Services: Overall satisfaction with career planning services*							
All Medical Schools	2021	3.8	8.3	20.9	43.4	23.6	13,628
All Medical Schools	2020	4.1	9.4	22.2	42.1	22.2	13,336
All Medical Schools	2019	4.0	9.3	22.0	42.4	22.2	13,522
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
Wellness: Student programs/activities that promote effective stress management, a balanced lifestyle and overall well being*							
All Medical Schools	2021	4.6	8.7	20.5	39.5	26.7	14,172
All Medical Schools	2020	4.1	8.2	20.0	39.1	28.7	14,055
All Medical Schools	2019	4.1	7.9	19.2	39.4	29.4	14,109
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
Student Health: Student health services*							
All Medical Schools	2021	3.0	5.9	11.4	40.5	39.2	12,973
All Medical Schools	2020	2.8	6.0	10.6	40.9	39.8	12,915
All Medical Schools	2019	3.3	6.0	11.6	40.7	38.3	13,284
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
Student Health: Student mental health services*							
All Medical Schools	2021	4.3	8.1	12.9	34.3	40.4	8,719
All Medical Schools	2020	4.7	8.5	12.0	33.4	41.3	8,100
All Medical Schools	2019	5.2	8.2	13.7	33.4	39.6	7,891
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
Student Health: Student health insurance*							
All Medical Schools	2021	8.4	11.7	16.0	35.9	28.0	10,286
All Medical Schools	2020	8.7	11.8	16.5	35.2	27.8	10,211
All Medical Schools	2019	8.3	12.3	17.4	35.3	26.8	10,578
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
Facilities: Library*							
All Medical Schools	2021	1.2	4.1	7.5	40.8	46.4	14,733
All Medical Schools	2020	1.4	3.8	7.4	39.2	48.2	14,812
All Medical Schools	2019	1.6	4.4	7.6	40.0	46.4	15,073
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
Facilities: Computer resource center*							
All Medical Schools	2021	1.4	3.9	10.2	41.6	43.0	12,503
All Medical Schools	2020	1.4	3.6	10.0	40.3	44.7	12,901
All Medical Schools	2019	1.5	4.0	9.9	41.0	43.5	13,477
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

38. 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	2021	2.3	6.8	9.2	38.8	42.9	15,040
All Medical Schools	2020	2.5	7.0	9.3	37.7	43.5	15,018
All Medical Schools	2019	2.8	7.9	10.0	37.4	41.9	15,268
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
Facilities: Student relaxation space*							
All Medical Schools	2021	4.6	10.6	16.3	35.6	32.8	13,393
All Medical Schools	2020	4.4	10.6	16.3	35.0	33.7	13,560
All Medical Schools	2019	4.8	11.7	16.7	33.7	33.1	13,831
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 Schools

		2017	2018	2019	2020	2021
39. 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		97.0	97.5	97.2	97.6	97.9
No		3.0	2.5	2.8	2.4	2.1
Number of respondents		14,409	15,371	15,658	15,434	15,502

		2017	2018	2019	2020	2021
40. 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		86.1	88.1	87.8	89.5	91.1
No		13.9	11.9	12.2	10.5	8.9
Number of respondents		14,402	15,358	15,648	15,433	15,495

41. 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	2021	59.0	21.2	18.9	1.0	15,464
All Medical Schools	2020	58.5	20.2	20.2	1.0	15,408
All Medical Schools	2019	57.1	20.4	21.1	1.4	15,631
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

41. 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	2021	78.2	13.1	8.1	0.6	15,462	
All Medical Schools	2020	78.2	12.7	8.5	0.6	15,401	
All Medical Schools	2019	77.3	13.1	8.8	0.8	15,623	
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	
Been threatened with physical harm?							
All Medical Schools	2021	98.8	0.9	0.2	0.1	15,454	
All Medical Schools	2020	98.6	1.1	0.2	0.0	15,403	
All Medical Schools	2019	98.7	1.0	0.3	0.1	15,623	
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	
Been physically harmed?							
All Medical Schools	2021	98.4	1.4	0.2	0.0	15,466	
All Medical Schools	2020	98.3	1.5	0.2	0.0	15,407	
All Medical Schools	2019	98.2	1.5	0.2	0.1	15,616	
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	
Been required to perform personal services?							
All Medical Schools	2021	96.3	2.8	0.9	0.1	15,475	
All Medical Schools	2020	95.3	3.3	1.4	0.1	15,409	
All Medical Schools	2019	95.0	3.5	1.4	0.1	15,627	
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	
Been subjected to unwanted sexual advances?							
All Medical Schools	2021	95.2	3.2	1.4	0.1	15,467	
All Medical Schools	2020	95.3	3.0	1.6	0.1	15,409	
All Medical Schools	2019	95.2	2.8	1.8	0.2	15,624	
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	
Been asked to exchange sexual favors for grades or other rewards?							
All Medical Schools	2021	99.8	0.1	0.1	0.0	15,468	
All Medical Schools	2020	99.8	0.1	0.1	0.0	15,415	
All Medical Schools	2019	99.7	0.2	0.1	0.1	15,626	
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	
Been denied opportunities for training or rewards based on gender?							
All Medical Schools	2021	94.0	2.7	2.9	0.4	15,456	
All Medical Schools	2020	94.3	2.5	2.7	0.4	15,404	
All Medical Schools	2019	93.8	3.0	2.8	0.5	15,606	
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	

41. 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	2021	84.4	7.6	7.4	0.6	15,444	
All Medical Schools	2020	84.8	6.8	7.8	0.6	15,383	
All Medical Schools	2019	84.2	6.9	8.2	0.8	15,595	
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	
Received lower evaluations or grades solely because of gender rather than performance?							
All Medical Schools	2021	92.9	4.5	2.2	0.4	15,446	
All Medical Schools	2020	93.0	4.4	2.2	0.3	15,401	
All Medical Schools	2019	92.9	4.5	2.2	0.4	15,606	
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	
Been denied opportunities for training or rewards based on race or ethnicity?							
All Medical Schools	2021	95.7	1.6	2.1	0.6	15,451	
All Medical Schools	2020	96.2	1.4	1.8	0.5	15,392	
All Medical Schools	2019	96.3	1.5	1.5	0.6	15,614	
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	
Been subjected to racially or ethnically offensive remarks/names?							
All Medical Schools	2021	90.5	4.7	4.3	0.5	15,461	
All Medical Schools	2020	91.5	4.3	3.9	0.4	15,399	
All Medical Schools	2019	91.5	4.1	3.9	0.5	15,610	
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	
Received lower evaluations or grades solely because of race or ethnicity rather than performance?							
All Medical Schools	2021	95.6	2.1	1.8	0.5	15,448	
All Medical Schools	2020	96.2	1.9	1.4	0.5	15,394	
All Medical Schools	2019	96.5	1.7	1.3	0.4	15,604	
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	
Been denied opportunities for training or rewards based on sexual orientation?							
All Medical Schools	2021	99.1	0.3	0.4	0.1	15,451	
All Medical Schools	2020	99.4	0.3	0.2	0.1	15,398	
All Medical Schools	2019	99.3	0.3	0.3	0.1	15,606	
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	
Been subjected to offensive remarks/names related to sexual orientation?							
All Medical Schools	2021	97.7	1.1	1.1	0.2	15,449	
All Medical Schools	2020	98.1	0.9	0.8	0.2	15,402	
All Medical Schools	2019	98.0	0.9	1.0	0.1	15,608	
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	

41. 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	2021	99.2	0.4	0.3	0.1	15,450	
All Medical Schools	2020	99.4	0.3	0.2	0.1	15,395	
All Medical Schools	2019	99.4	0.3	0.2	0.1	15,605	
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	
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	2021	92.0	3.7	3.7	0.6	15,436	
All Medical Schools	2020	92.8	3.3	3.2	0.7	15,386	
All Medical Schools	2019	92.4	3.6	3.4	0.6	15,597	
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 Schools

		2017	2018	2019	2020	2021
42. 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 Q41 above.						
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Yes		39.3	42.1	40.4	39.6	40.3
No		60.7	57.9	59.6	60.4	59.7
Number of respondents		14,405	15,357	15,638	15,421	15,486

43. Sources of "publicly humiliated"-only behaviors experienced personally, as percent of all who answered Q41 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	0.9	1.0	1.1	1.0	1.5	
Clerkship faculty (classroom)	1.2	1.3	1.4	1.2	1.2	
Clerkship faculty (clinical setting)	13.3	13.7	14.4	13.9	14.1	
Resident/Intern	9.8	10.3	9.5	9.1	8.3	
Nurse	3.8	3.6	4.2	4.1	3.8	
Administrator	0.6	0.6	0.6	0.6	0.6	
Other institution employee	1.1	1.2	1.4	1.5	1.6	
Student	1.5	1.2	1.5	1.4	1.4	
Number of respondents		14,405	15,357	15,638	15,421	15,486

		All Schools				
		2017	2018	2019	2020	2021
44.	Sources of behaviors experienced personally, excluding "publicly embarrassed" and "publicly humiliated," as percent of all who answered Q41 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	2.4	2.6	2.6	2.7	3.2
	Clerkship faculty (classroom)	2.2	2.5	2.5	2.4	2.6
	Clerkship faculty (clinical setting)	19.2	20.8	20.4	19.9	20.3
	Resident/Intern	15.6	15.9	14.2	12.9	12.4
	Nurse	4.0	4.8	4.5	4.5	4.8
	Administrator	1.3	1.6	1.6	1.7	2.0
	Other institution employee	4.0	5.0	4.8	4.8	4.8
	Student	5.6	6.2	5.9	5.9	6.3
	Number of respondents	14,405	15,357	15,638	15,421	15,486
45.	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 Q41 above.					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes	21.0	22.2	23.2	25.9	27.3
	No	79.0	77.8	76.8	74.1	72.7
	Number of respondents	5,632	6,400	6,582	6,059	6,190
46.	To whom did you report the behavior(s)? Check all that apply.					
	Note: Only those who responded "Yes" to Q45 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	26.4	24.1	27.7	27.6	29.3
	Designated counselor/advocate/ombudsperson	21.7	20.4	19.8	21.4	24.9
	Other medical school administrator	24.2	26.7	26.3	25.5	24.6
	Faculty member	44.3	44.6	44.4	47.0	44.6
	Other	21.4	18.5	16.3	17.3	16.5
	Number of respondents	1,185	1,418	1,525	1,567	1,690

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

Note: Only those who responded "Yes" to Q45 could respond to this item.

		Percentage of Respondents Selecting Each Rating					Count
		Very dissatisfied	Dissatisfied	Neutral	Satisfied	Very satisfied	
All Medical Schools	2021	15.8	17.6	30.2	22.5	13.8	1,684
All Medical Schools	2020	14.6	18.0	29.3	23.6	14.5	1,547
All Medical Schools	2019	14.4	17.0	28.7	25.3	14.5	1,503
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 Schools

48. 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 Q41 above. As multiple responses were permitted, totals may exceed 100%.

	2017	2018	2019	2020	2021
	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
The incident did not seem important enough to report	56.6	57.4	57.3	56.0	53.4
I resolved the issue myself	18.2	17.0	16.5	14.2	15.3
I did not think anything would be done about it	37.4	38.3	39.0	39.1	40.6
Fear of reprisal	28.3	27.2	30.1	29.2	31.4
I did not know what to do	8.7	10.3	10.6	9.8	10.8
Other	8.4	7.2	6.9	7.5	7.5
Number of respondents	5,665	6,465	6,319	6,101	6,237

49. 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.

	2017	2018	2019	2020	2021
	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Yes	19.2	21.5	21.4	21.0	21.4
No	80.8	78.5	78.6	79.0	78.6
Number of respondents	14,404	15,334	15,634	15,390	15,453

50. 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 Q49 could respond to this item.

	2017	2018	2019	2020	2021
	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Yes	15.2	14.1	14.7	16.3	19.8
No	84.8	85.9	85.3	83.7	80.2
Number of respondents	2,764	3,287	3,341	3,224	3,292

		All Schools				
		2017	2018	2019	2020	2021
51.	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	63.2	63.5	62.8	62.8	62.7
	No	36.8	36.5	37.2	37.2	37.3
	Number of respondents	14,398	15,346	15,618	15,387	15,430
52.	Scholarship Categories					
	Note: The upper reportable limits were \$1,000,000 (2019-2021) and \$750,000 (2017-2018).					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	No scholarships (\$0)	37.6	37.2	38.0	38.0	38.2
	\$1 to \$24,999	31.3	31.4	30.5	30.8	29.1
	\$25,000 to \$49,999	10.3	9.8	10.0	9.5	9.5
	\$50,000 to \$74,999	5.0	5.6	5.4	5.1	5.0
	\$75,000 to \$99,999	2.9	2.8	3.0	2.9	3.3
	\$100,000 to \$149,999	4.8	4.8	4.9	5.0	5.0
	\$150,000 to \$199,999	2.1	2.2	2.1	2.3	2.6
	\$200,000 to \$299,999	4.1	3.9	3.8	3.9	4.6
	\$300,000 or more	1.9	2.3	2.3	2.5	2.6
	Number of respondents	14,110	15,053	15,286	15,072	15,066
	Median scholarship amount of those with scholarships	\$24,000	\$24,050	\$25,000	\$25,000	\$30,000
53.	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	33.8	33.4	32.9	33.0	32.5
	No	66.2	66.6	67.1	67.0	67.5
	Number of respondents	14,388	15,329	15,613	15,380	15,447
54.	Premedical Debt Categories					
	Note: The upper reportable limit was \$500,000.					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	No debt (\$0)	67.3	67.6	68.3	68.0	68.7
	\$1 to \$24,999	15.0	14.7	14.0	13.8	13.5
	\$25,000 to \$49,999	8.4	8.6	8.6	8.8	8.2
	\$50,000 to \$74,999	3.7	3.7	3.5	3.9	3.6
	\$75,000 to \$99,999	1.5	1.6	1.4	1.3	1.5
	\$100,000 to \$149,999	1.9	1.8	1.9	1.8	2.0
	\$150,000 to \$199,999	0.9	0.7	0.8	0.8	0.8
	\$200,000 or more	1.3	1.4	1.4	1.6	1.6
	Number of respondents	14,149	15,102	15,337	15,163	15,159
	Median premedical debt of those reporting premedical debt	\$25,000	\$25,000	\$27,000	\$28,000	\$28,000

		All Schools				
		2017	2018	2019	2020	2021
55.	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	73.1	72.3	71.3	70.8	70.5
	No	26.9	27.7	28.7	29.2	29.5
	Number of respondents	14,370	15,317	15,585	15,358	15,432
56.	Medical School Debt Categories					
	Note: The upper reportable limit was \$600,000.					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	No debt (\$0)	27.6	28.3	29.5	29.9	30.4
	\$1 to \$49,999	5.2	4.6	4.6	4.1	4.7
	\$50,000 to \$99,999	6.6	6.4	6.2	6.1	6.3
	\$100,000 to \$149,999	11.0	10.1	9.7	8.8	9.6
	\$150,000 to \$199,999	16.6	15.2	13.9	14.3	13.9
	\$200,000 to \$299,999	26.0	26.8	26.7	25.6	24.7
	\$300,000 to \$399,999	6.1	7.6	8.4	9.4	8.8
	\$400,000 or more	0.9	1.0	1.0	1.7	1.7
	Number of respondents	14,030	14,982	15,174	15,002	14,985
	Median medical school debt of those reporting medical school debt	\$180,000	\$195,000	\$200,000	\$200,000	\$200,000
57.	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 limit was \$1,100,000.					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	No debt (\$0)	24.6	25.3	26.7	26.6	27.2
	\$1 to \$49,999	6.3	6.1	5.6	5.4	6.0
	\$50,000 to \$99,999	6.6	6.4	6.1	6.1	6.2
	\$100,000 to \$149,999	10.4	9.6	9.1	8.2	8.9
	\$150,000 to \$199,999	15.2	13.9	13.1	13.7	13.1
	\$200,000 to \$299,999	25.8	26.3	26.2	25.1	24.3
	\$300,000 to \$399,999	8.7	9.5	10.5	11.2	10.6
	\$400,000 to \$499,999	1.7	2.2	2.0	2.9	2.7
	\$500,000 or more	0.7	0.7	0.8	0.9	1.0
	Number of respondents	13,945	14,874	15,072	14,929	14,914
	Median education debt of those reporting education debt	\$195,000	\$200,000	\$200,000	\$200,000	\$200,000
58.	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	22.1	21.9	20.0	21.1	17.9
	No	77.9	78.1	80.0	78.9	82.1
	Number of respondents	14,348	15,302	15,411	15,213	15,302

All Schools

	2017	2018	2019	2020	2021
59. 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)	78.6	79.6	80.7	79.6	82.9
\$1 to \$24,999	15.2	14.3	13.5	14.6	11.5
\$25,000 to \$49,999	1.9	2.1	1.7	2.0	1.6
\$50,000 to \$74,999	0.5	0.6	0.5	0.4	0.4
\$75,000 to \$99,999	0.3	0.3	0.3	0.4	0.3
\$100,000 to \$149,999	1.1	0.9	1.1	0.8	0.8
\$150,000 or more	2.4	2.2	2.2	2.2	2.7
Number of respondents	14,207	15,015	15,267	15,083	15,162
Median non-educational debt of those reporting non-educational debt	\$12,000	\$12,000	\$12,000	\$11,900	\$13,000

60. 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.					
	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Credit cards	\$4,000	\$5,000	\$5,000	\$5,000	\$4,000
Number of respondents	2,019	2,124	2,012	2,150	1,604
Car loans	\$10,000	\$11,000	\$10,000	\$10,000	\$11,000
Number of respondents	1,139	1,162	1,086	1,147	1,096
Mortgage	\$150,000	\$150,000	\$150,000	\$160,000	\$175,000
Number of respondents	586	591	600	558	607
Residency and relocation loans	\$13,000	\$12,000	\$10,000	\$12,000	\$10,000
Number of respondents	448	467	385	356	171
Other consumer loans	\$10,000	\$10,000	\$9,000	\$9,000	\$8,000
Number of respondents	161	167	144	133	131
Total amount	\$12,000	\$12,000	\$12,000	\$11,900	\$13,000
Number of respondents	3,036	3,061	2,940	3,084	2,600

61. 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	45.9	45.7	43.9	44.9	46.7
No	54.1	54.3	56.1	55.1	53.3
Number of respondents	10,929	11,559	11,558	11,396	11,349

		All Schools				
		2017	2018	2019	2020	2021
62.	Select the type of loan forgiveness program in which you plan to participate.					
	Note: Only those who selected "Yes" at Q61 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)	73.2	76.3	76.3	79.3	83.9
	National Health Service Corps	5.4	4.4	4.2	3.5	2.1
	Indian Health Service Corps	0.8	0.4	0.4	0.5	0.4
	Armed Services (Navy, Army, Air Force)	0.9	0.8	1.0	1.1	1.0
	Uniformed Service (CDC, HHS)	0.1	0.1	0.1	0.1	0.1
	State loan forgiveness program	7.6	6.8	6.8	6.0	4.5
	Hospital program (e.g., sign-on bonus)	8.0	8.4	8.7	7.2	5.8
	Private loan forgiveness program	0.8	0.4	0.4	0.3	0.3
	Other	3.3	2.4	2.1	2.1	1.8
	Number of respondents	4,938	5,207	5,006	5,060	5,226
63.	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	99.6	99.6	99.4	99.3
	Different gender identity from the sex assigned at birth	0.3	0.4	0.4	0.6	0.7
	Number of respondents	14,325	15,299	15,541	15,324	15,369
64.	How do you self-identify?					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Bisexual	2.3	2.9	3.2	3.8	5.0
	Gay or lesbian	3.4	3.9	4.0	4.2	4.3
	Heterosexual or straight	94.3	93.2	92.8	92.0	90.8
	Number of respondents	14,260	15,159	15,445	15,154	15,185
65.	Are you a person with a disability (e.g., ADHD, learning, psychological, chronic health, mobility, hearing, vision, etc.)?					
						<u>Percent</u>
	Yes					7.6
	No					91.7
	I do not know					0.6
	Number of respondents					15,424
						15,485

		All Schools	
		2020	2021
66.	Which of the following best describes your disability? If you have more than one type, select all that apply. Note: Only those who answered "Yes" or "I do not know" to Q65 above could respond to this item.		
		<u>Percent</u>	<u>Percent</u>
	Attention deficit/hyperactivity disorder	61.1	60.7
	Chronic health disability	13.0	14.3
	Deaf or hard of hearing	3.3	3.2
	Learning disability	9.3	6.9
	Mobility disability	1.9	1.9
	Psychological disability	15.3	14.7
	Visual disability	2.4	2.2
	Other	6.0	5.8
	Number of respondents	1,273	1,427
67.	Has your medical school provided accommodations for your disability? Note: Only those who answered "Yes" or "I do not know" to Q65 above could respond to this item.		
		<u>Percent</u>	<u>Percent</u>
	Yes	52.6	48.7
	No	47.4	51.3
	Number of respondents	1,233	1,372
68.	Which of the following best describes why your medical school did not or has not provided accommodations: Note: Only those who answered "No" to Q67 above could respond to this item.		
		<u>Percent</u>	<u>Percent</u>
	My request for accommodations was denied	2.9	2.1
	My request for accommodations is under review	0.0	0.4
	I have not requested accommodations because I feel I do not need accommodations	74.1	69.5
	I have not requested accommodations for other reasons	23.0	27.9
	Number of respondents	583	698

		All Schools				
		2017	2018	2019	2020	2021
69. Region of medical school:		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Northeast	29.0	28.6	28.9	29.0	28.6
	South	33.2	33.6	32.9	33.2	33.5
	Midwest	26.1	26.5	26.7	26.1	25.5
	West	11.6	11.3	11.5	11.7	12.4
	Number of respondents	15,609	16,223	16,657	16,630	16,611
70. Control of medical school:		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Private	39.4	39.3	39.0	38.7	37.5
	Public	60.6	60.7	61.0	61.3	62.5
	Number of respondents	15,609	16,223	16,657	16,630	16,611

2021 GQ References

Each item number below refers to the question number in the 2021 GQ *All Schools Summary Report*.

Q19. Medical School Learning Environment Survey (MSLES)

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

Q23. 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.

Q24. 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.

Q25. 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.