



# **Medical School Graduation Questionnaire**

2016 All Schools Summary Report

July 2016

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## 2016 AAMC Medical School Graduation Questionnaire All Schools Summary Report & Individual School Report

### Executive Summary

#### Background

The *All Schools Summary Report* of the 2016 Medical School Graduation Questionnaire provides aggregate data from graduating students at the 136 U.S. medical schools accredited by the Liaison Committee on Medical Education (LCME) with 2016 graduates. 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 Graduation Questionnaire, with comparisons to the national data. By request, regional and clinical campuses under the aegis of an accredited institution are also issued GQ campus reports if there are five or more student respondents from the campus. Eighty-one percent (15,232) of 2016 medical school graduates (18,918) participated in the 2016 Graduation Questionnaire.

The Graduation Questionnaire (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, 2012 through 2016, where comparable data are available.

#### Methodology

The data in the 2016 GQ *All Schools Summary Report* reflect the responses of 15,232 graduates of the 136 U.S. medical schools that graduated students in academic year 2015-2016. According to the AAMC Student Records System (SRS) as of July 13, 2016, these 15,232 respondents represent 80.5 percent of the 18,918 medical students who graduated from July 1, 2015 through June 30, 2016. Survey data for participating individuals may not be comparable to data for nonparticipants. The 2016 results include responses from the first graduating classes at Cooper Medical School of Rowan University and the University of South Carolina School of Medicine Greenville.

The 2016 GQ was open February 14, 2016 through June 10, 2016. The initial participants were individuals with expected graduation dates between July 1, 2015 and June 30, 2016 as identified by SRS data and confirmed by medical school personnel in January 2016. 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.

## GQ Content Changes

As part of the ongoing strategic review of the AAMC student surveys that began in 2012, the AAMC, in consultation with the Student Survey Advisory Committee, made revisions to the 2016 GQ that aim to increase content about the medical school learning environment and enable the tracking of students' opinions and experiences across the educational continuum.

The 2016 GQ introduced several sets of questions that had been incorporated previously into the AAMC Matriculating Student Questionnaire (MSQ) and Year Two Questionnaire (Y2Q). The 2016 GQ added these questions to help gauge the learning environment. These areas including the emotional climate and student-to-faculty interaction (report item Q17), as well as the professionalism of faculty as exhibited by particular attitudes and behaviors (Q18 and Q19). In addition, the 2016 GQ posed new questions about personal characteristics related to tolerance for ambiguity (Q21), empathy (Q22), and burnout (Q23). More information about these items can be found in the report where the results are displayed, and in the references section at the end of the report. A new item also allowed students to indicate whether they had 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" (Q39).

Response options to the question "Where do you hope to work after completing your medical training?" were revised in 2016 (Q31) to match the options on the same question in the MSQ. The new menu adds "Undecided" to the list of geographical locations that could be selected.

GQ respondents in 2016 were asked new demographic questions. Students provided information about their marital status and their number of dependents. Additionally, the 2016 GQ asked respondents about the gender they were assigned at birth, their current gender identity, and their sexual orientation (Q61, Q62). It should be noted that the sex data reported in Q1 reflect information recorded in the AAMC Student Records System (SRS), while the data reported in Q61 and Q62 reflect self-reported information collected in the survey.

Two groups of questions from prior-year GQ surveys were discontinued in 2016:

- *Did you participate in structured service learning (a structured opportunity to examine service in the context of educational goals and personal reflection)?*
- *Have you participated in any required curricular activities where you had the opportunity to learn with students from different health professions? With which other profession(s) have you had the opportunity to participate or interact in educational activities? What was the nature of the learning experience(s) with other health professions students?*

## Report Modifications

The 2016 GQ reports have a new look compared to GQ reports of prior years. The updates incorporate design changes introduced in the MSQ and Y2Q reports. The more substantive changes involve the following:

- Among the row data, the most recent year of data is displayed at the top rather than at the bottom.
- In alignment with other AAMC reports, race and ethnicity data are now reported only for US citizens and permanent residents, and are aggregated to the highest reporting categories.
- Race and ethnicity data are now based on the most recent self-reported information provided by GQ respondents in other AAMC data sources, including ERAS, AMCAS, and MCAT. In these sources, individuals were able to select multiple race and/or Hispanic ethnicity subcategories. Where self-reported data were not available, race and ethnicity data were supplied by SRS, which school registrars could access and amend. To enable comparability, prior-year race and ethnicity data in this report were updated based on this new method. As a result, the 2012-2015 race and ethnicity data displayed in this report may differ from what was displayed in previous GQ reports.
- For financial data, the reports now display the median, rather than the average, in order to better represent the typical student response. Also, financial category ranges have been revised for consistency (e.g., with categories of \$0 to \$9 instead of \$1 to \$10). As a result, the medical school debt and total educational debt data in this report may, at first glance, look somewhat different than the data displayed in prior-year reports.
- The reports no longer display calculated means for survey questions with non-interval response scales.

## Selected Findings

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

Consistent with what medical graduates have reported in recent years, 90 percent of 2016 graduates either agreed or strongly agreed with the statement, “Overall, I am satisfied with the quality of my medical education.” On a related note, responding to two new questions on the 2016 GQ, 92 percent agreed or strongly agreed that “My medical school has done a good job of fostering and nurturing my development as a future physician,” and 75 percent agreed or strongly agreed with the statement, “My medical school has done a good job of fostering and nurturing my development as a person.”

### *Percentage of Students Reporting Clinical Observation and Feedback Continues to Grow*

In 2016, there were small increases in the percentage of graduating students who reported that, during core clerkships, they were observed taking patient histories and performing patient exams. Similar increases were also seen in the number of graduates who confirmed that they received mid-clerkship feedback. These increases were across all core clerkship and extend similar gains in these areas shown in the 2015 report.

### *Confidence in Readiness for Residency Rises Among Medical School Graduates*

Compared to recent medical graduates, 2016 graduates reported being more confident in their readiness for residency. In 2016, those who said they “strongly agree” with the statement “I am confident that I have acquired the clinical skills to begin a residency program” were 43.1 percent of respondents; in 2013, they were 36.2 percent. The graduates of 2016 were also more likely than previous graduates to “strongly” affirm they “have the communication skills necessary to interact with patients and health professionals” (73.8%), “understand the ethical and professional values that are expected” of physicians (70.2%), and are “prepared to care for patients from different backgrounds” (62.1%).

### *More Students Report Doing Research, Learning the Use of an Interpreter*

Seventy-four percent of 2016 graduates reported having participated in research with a faculty member during medical school, up from 69 percent the past two years. More graduates also said they learned the use of an interpreter during medical school: nearly 80 percent reported participating in this activity in 2016.

### *Students Respond to New Questions about Faculty and the Learning Environment*

From a list of attitudes expected of faculty, medical school graduates most frequently acknowledged their faculty for their professional behavior with patients and other staff. Ninety-one percent of respondents said their faculty respected patient confidentiality either “always” or “fairly often”; 80 percent said faculty respected patients’ dignity and autonomy “always” or “fairly often”; and 81 percent said faculty respected house staff and other physicians “always” or “fairly often.” On a different note, one in five medical school graduates in 2016 said that they experienced “disconnects between what I am taught about professional behaviors/attitudes and what I see being demonstrated by faculty” as frequently as “fairly often” (9.6%), “very often” (7.8%), or “always” (3.6%).

### *Medical School Debt Remains Constant; Total Educational Debt Rises*

Twenty-six percent of respondents to the 2016 GQ reported graduating with no medical school debt, up from 21.5 percent in 2015. For those with debt, the median medical school debt reported was \$180,000, the same as in 2015. However, for total educational debt, the sum of premedical educational debt and medical school debt, the median reported by indebted students was \$190,000, an increase of 2.7 percent over what was reported in 2015 (\$185,000). Just over 44 percent of those carrying debt said they plan to enter a loan forgiveness program (up from 29.4% in 2012), most frequently identifying the Department of Education’s Public Loan Forgiveness Program (71.4%) in their plans.

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

Responding to new questions added to the 2016 GQ, one in four US medical school graduates reported being legally married (25.7%). Fewer than one in ten (9.2%) reported having dependents other than a spouse, with the median number of dependents being one. A small number, 0.3 percent (43 individuals of 13,862 respondents), self-identified as having a gender identity that was not the same as the sex assigned at their birth. Separately, medical school graduates who identified as “gay or lesbian” were 3.1 percent of respondents, and those who identified as “bisexual” were 2.1 percent; the remaining 94.8 percent identified as “heterosexual or straight.”

Copies of the GQ survey are available at [www.aamc.org/gq](http://www.aamc.org/gq).

**Providing Feedback**

For inquiries or feedback regarding the GQ surveys or reports, contact [gq@aamc.org](mailto:gq@aamc.org).

		<b>All Schools</b>				
		<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>Total number of students who responded to the questionnaire:</b>		13,681	14,836	14,877	14,939	15,232
<b>1. Sex:</b>	<b>Note: The data are from other AAMC data sources.</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Male		51.1	50.6	51.3	50.9	52.2
Female		48.9	49.4	48.7	49.1	47.8
Number of respondents		13,681	14,836	14,877	14,939	15,232
<b>2. Age at graduation:</b>	<b>Note: The data are from other AAMC data sources.</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Under 24		0.4	0.3	0.3	0.5	0.3
24 through 26		45.1	44.0	43.4	42.1	41.8
27 through 29		38.0	39.4	39.2	40.3	40.4
30 through 32		11.2	10.9	11.6	11.3	11.5
Over 32		5.3	5.4	5.5	5.8	6.0
Number of respondents		13,681	14,836	14,877	14,939	15,232
<b>3. How do you self-identify?</b>	<b>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. Prior-year data have been refreshed using the current methodology and thus may differ from data shown in previous reports.</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Hispanic, Latino, or of Spanish origin		6.7	7.0	7.4	7.5	8.2
American Indian or Alaska Native		0.7	0.6	0.7	0.7	0.8
Asian		20.9	21.6	21.8	21.9	23.4
Black or African American		5.7	5.9	5.9	5.6	6.3
Native Hawaiian or Other Pacific Islander		0.2	0.2	0.2	0.1	0.3
White		68.7	66.7	66.1	67.2	69.0
Other		3.1	2.7	2.7	2.8	0.4
Non-US citizen and Non-permanent resident		2.0	2.1	2.0	1.9	1.9
Number of respondents		13,672	14,826	14,840	14,882	15,062
<b>4. What is your current marital status?</b>						
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Single (never legally married)						72.7
Legally married						25.7
Common law or civil union						0.4
Divorced						1.0
Separated, but still legally married						0.1
Widowed						0.1
Number of respondents						13,866

		All Schools				
		2012	2013	2014	2015	2016
		Percent	Percent	Percent	Percent	Percent
<b>5.</b>	<b>How many dependents do you have (not including a spouse/partner)?</b>					
	None					90.8
	One					5.3
	Two					2.8
	Three					0.8
	Four or more					0.4
	Number of respondents					13,857

<b>6. Type of degree program:</b>						
<b>Note: The data are from the AAMC Student Records System.</b>		Percent	Percent	Percent	Percent	Percent
	M.D.	91.0	90.9	90.9	90.3	90.5
	Joint B.A./M.D.	2.7	2.8	2.9	3.1	3.2
	Joint M.D./M.B.A.	0.6	0.6	0.5	0.6	0.7
	Joint M.D./M.P.H.	1.4	1.4	1.1	1.6	1.4
	Joint M.D./Ph.D.	3.6	3.2	3.2	3.2	3.2
	Joint M.D./Other	0.6	1.2	1.3	1.1	1.0
	Number of respondents	13,681	14,836	14,877	14,939	15,232

<b>7. Please indicate the extent to which you agree with the following statement:</b>		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	2016	1.0	2.8	6.1	50.3	39.8	15,213
All Medical Schools	2015	0.8	2.6	5.7	49.2	41.7	14,842
All Medical Schools	2014	0.7	2.6	5.3	51.0	40.4	14,865
All Medical Schools	2013	1.0	3.0	6.9	47.6	41.6	13,353
All Medical Schools	2012	1.1	2.9	6.8	47.0	42.2	12,400

<b>8. Based on your experiences, indicate whether you agree or disagree with the following statements about medical school:</b>		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	2016	1.4	7.8	12.6	54.0	24.2	14,932
All Medical Schools	2015	1.1	7.4	13.2	55.1	23.2	14,653
All Medical Schools	2014	1.3	8.7	14.6	55.2	20.2	14,495
All Medical Schools	2013	2.4	10.5	16.8	46.1	24.1	14,772
All Medical Schools	2012	2.9	10.6	16.7	45.3	24.4	13,630
Required clinical experiences integrated basic science content.							
All Medical Schools	2016	0.9	5.1	13.2	55.7	25.1	14,861
All Medical Schools	2015	0.7	5.1	14.7	55.9	23.5	14,552
All Medical Schools	2014	0.7	5.0	14.8	57.9	21.6	14,415
All Medical Schools	2013	1.6	10.6	22.8	48.7	16.3	14,438
All Medical Schools	2012	1.6	9.7	23.3	49.7	15.7	12,512



**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
<b>Biochemistry</b>						
All Medical Schools	2016	10.5	27.1	40.1	22.3	14,710
All Medical Schools	2015	9.5	27.2	41.0	22.3	14,428
All Medical Schools	2014	10.3	28.7	40.9	20.1	14,434
All Medical Schools	2013	11.8	30.4	38.7	19.1	14,351
All Medical Schools	2012	12.2	30.7	37.5	19.6	13,280
<b>Biostatistics and epidemiology</b>						
All Medical Schools	2016	7.0	23.7	43.6	25.8	14,818
All Medical Schools	2015	6.5	24.3	44.2	25.0	14,545
All Medical Schools	2014	6.9	25.3	44.1	23.7	14,528
All Medical Schools	2013	8.0	26.9	42.3	22.9	14,393
All Medical Schools	2012	8.2	27.6	41.9	22.3	13,317
<b>Genetics</b>						
All Medical Schools	2016	4.8	23.7	47.1	24.5	14,833
All Medical Schools	2015	4.8	23.1	48.7	23.4	14,556
All Medical Schools	2014	5.2	25.0	48.5	21.4	14,520
All Medical Schools	2013	6.3	26.7	46.4	20.5	14,387
All Medical Schools	2012	6.6	27.5	45.9	20.0	13,355
<b>Gross anatomy</b>						
All Medical Schools	2016	2.7	9.6	33.6	54.1	14,910
All Medical Schools	2015	2.8	9.5	34.5	53.2	14,625
All Medical Schools	2014	2.7	9.9	35.5	52.0	14,623
All Medical Schools	2013	2.7	10.1	35.6	51.6	14,544
All Medical Schools	2012	2.9	10.3	34.2	52.7	13,496
<b>Immunology</b>						
All Medical Schools	2016	3.6	15.8	45.8	34.8	14,831
All Medical Schools	2015	4.0	15.5	46.5	34.0	14,559
All Medical Schools	2014	3.3	15.9	47.0	33.8	14,545
All Medical Schools	2013	4.5	17.9	46.2	31.5	14,488
All Medical Schools	2012	3.8	17.6	45.9	32.7	13,457
<b>Introduction to Clinical Medicine/Introduction to the Patient</b>						
All Medical Schools	2016	1.8	6.9	29.9	61.4	14,712
All Medical Schools	2015	1.8	6.9	30.2	61.1	14,438
All Medical Schools	2014	1.8	7.6	31.5	59.1	14,439
All Medical Schools	2013	2.1	8.1	31.5	58.3	14,337
All Medical Schools	2012	2.4	8.5	31.1	58.0	13,343
<b>Microanatomy/Histology</b>						
All Medical Schools	2016	6.0	20.7	43.0	30.2	14,800
All Medical Schools	2015	5.5	20.5	44.0	30.0	14,522
All Medical Schools	2014	5.8	22.3	44.4	27.5	14,532
All Medical Schools	2013	6.5	23.2	44.7	25.6	14,433
All Medical Schools	2012	5.5	22.1	45.0	27.5	13,393

**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
<b>Microbiology</b>						
All Medical Schools	2016	4.0	13.1	41.0	41.9	14,866
All Medical Schools	2015	3.5	13.4	41.9	41.2	14,592
All Medical Schools	2014	3.6	13.6	43.0	39.8	14,587
All Medical Schools	2013	4.5	14.9	42.6	37.9	14,497
All Medical Schools	2012	4.6	14.7	43.4	37.2	13,461
<b>Neuroscience</b>						
All Medical Schools	2016	3.4	11.7	38.3	46.5	14,883
All Medical Schools	2015	3.1	11.5	39.6	45.8	14,622
All Medical Schools	2014	3.3	12.4	40.6	43.7	14,599
All Medical Schools	2013	4.1	14.0	39.4	42.5	14,499
All Medical Schools	2012	4.4	13.6	38.7	43.3	13,472
<b>Pathology</b>						
All Medical Schools	2016	2.5	10.7	39.3	47.5	14,833
All Medical Schools	2015	2.4	11.0	39.5	47.1	14,554
All Medical Schools	2014	2.2	11.2	39.2	47.4	14,547
All Medical Schools	2013	2.5	11.9	39.2	46.4	14,466
All Medical Schools	2012	2.4	12.3	37.7	47.6	13,447
<b>Pharmacology</b>						
All Medical Schools	2016	6.3	16.1	39.6	38.1	14,905
All Medical Schools	2015	5.7	16.4	40.3	37.6	14,616
All Medical Schools	2014	6.1	16.2	39.7	38.0	14,606
All Medical Schools	2013	7.8	17.8	38.2	36.1	14,519
All Medical Schools	2012	9.1	19.0	37.3	34.6	13,490
<b>Physiology</b>						
All Medical Schools	2016	1.6	7.5	37.1	53.8	14,842
All Medical Schools	2015	1.8	7.4	37.3	53.6	14,561
All Medical Schools	2014	1.8	7.9	37.0	53.4	14,549
All Medical Schools	2013	2.0	9.3	38.2	50.5	14,465
All Medical Schools	2012	2.6	9.8	37.4	50.1	13,425
<b>Behavioral science</b>						
All Medical Schools	2016	2.4	12.1	44.0	41.5	14,737
All Medical Schools	2015	2.3	12.3	45.4	40.0	14,392
All Medical Schools	2014	2.8	13.5	46.5	37.2	14,394
All Medical Schools	2013	3.1	14.2	45.5	37.2	14,262
All Medical Schools	2012	3.3	15.0	45.9	35.8	13,236
<b>Pathophysiology of disease</b>						
All Medical Schools	2016	1.1	5.0	34.2	59.7	14,719
All Medical Schools	2015	1.0	5.2	34.7	59.1	14,414
All Medical Schools	2014	1.0	5.0	35.1	58.9	14,383
All Medical Schools	2013	1.5	6.4	36.6	55.6	14,216
All Medical Schools	2012	1.5	7.1	36.3	55.1	13,163

**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
<b>Emergency Medicine</b>						
All Medical Schools	2016	2.8	9.5	31.7	56.0	10,580
All Medical Schools	2015	3.1	9.6	32.5	54.8	10,344
All Medical Schools	2014	3.0	9.5	33.7	53.8	10,211
All Medical Schools	2013	3.8	11.1	32.3	52.8	10,197
All Medical Schools	2012	3.9	10.7	33.5	51.9	9,446
<b>Family Medicine</b>						
All Medical Schools	2016	3.8	11.6	32.8	51.8	14,359
All Medical Schools	2015	4.1	11.9	33.7	50.3	14,125
All Medical Schools	2014	4.4	12.4	34.6	48.6	13,740
All Medical Schools	2013	4.9	13.1	34.9	47.1	13,915
All Medical Schools	2012	4.9	12.7	35.1	47.3	12,907
<b>Internal Medicine</b>						
All Medical Schools	2016	2.0	6.7	28.8	62.6	14,947
All Medical Schools	2015	1.7	6.7	29.4	62.2	14,694
All Medical Schools	2014	1.7	6.7	29.9	61.8	14,354
All Medical Schools	2013	1.9	7.2	29.1	61.8	14,469
All Medical Schools	2012	1.9	6.9	30.2	61.0	13,419
<b>Neurology</b>						
All Medical Schools	2016	6.9	17.0	36.7	39.4	13,511
All Medical Schools	2015	6.3	18.0	37.6	38.2	13,002
All Medical Schools	2014	6.9	19.9	38.3	35.0	12,807
All Medical Schools	2013	7.7	20.7	37.1	34.5	12,788
All Medical Schools	2012	8.3	20.1	37.7	33.9	11,751
<b>Obstetrics-Gynecology/Women's Health</b>						
All Medical Schools	2016	7.0	14.4	34.8	43.9	14,957
All Medical Schools	2015	6.6	14.5	34.8	44.1	14,686
All Medical Schools	2014	6.6	14.7	36.1	42.5	14,357
All Medical Schools	2013	7.7	15.9	35.0	41.5	14,462
All Medical Schools	2012	7.4	16.4	35.0	41.3	13,414
<b>Pediatrics</b>						
All Medical Schools	2016	3.0	10.4	32.3	54.3	14,941
All Medical Schools	2015	3.1	9.8	33.5	53.6	14,694
All Medical Schools	2014	3.0	10.3	34.5	52.1	14,365
All Medical Schools	2013	3.2	10.6	34.4	51.9	14,474
All Medical Schools	2012	3.0	10.4	35.2	51.4	13,415
<b>Psychiatry</b>						
All Medical Schools	2016	3.1	10.4	34.6	51.9	14,939
All Medical Schools	2015	3.2	11.0	35.6	50.2	14,670
All Medical Schools	2014	3.6	11.9	37.9	46.7	14,343
All Medical Schools	2013	3.2	12.4	36.9	47.4	14,452
All Medical Schools	2012	3.3	11.7	37.6	47.4	13,390

- 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	2016	4.9	11.9	35.2	48.0	14,937
All Medical Schools	2015	4.5	12.1	35.5	47.9	14,674
All Medical Schools	2014	4.3	12.3	38.3	45.0	14,342
All Medical Schools	2013	4.9	12.8	35.9	46.4	14,463
All Medical Schools	2012	4.6	12.1	36.3	46.9	13,406

		<b>All Schools</b>				
		<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
<b>11. Clerkship Experiences: Family Medicine</b>						
<b>Family Medicine: Were you observed taking the relevant portions of the patient history?</b>						
Yes				85.8	87.3	88.9
No				14.2	12.7	11.1
Number of respondents				13,669	14,068	14,279
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
<b>Family Medicine: Were you observed performing the relevant portions of the physical or mental status exam?</b>						
Yes				88.3	89.3	90.9
No				11.7	10.7	9.1
Number of respondents				13,621	14,027	14,223
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
<b>Family Medicine: Were you provided with mid-clerkship feedback?</b>						
Yes				93.3	94.0	94.8
No				6.7	6.0	5.2
Number of respondents				13,612	14,014	14,228

		<b>Percentage of Respondents Selecting Each Rating</b>					
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Count
<b>Family Medicine: Faculty provided effective teaching during the clerkship</b>							
All Medical Schools	2016	1.7	3.9	9.1	36.8	48.5	14,195
All Medical Schools	2015	1.9	4.0	9.0	37.0	48.1	13,993
All Medical Schools	2014	2.2	4.0	9.6	37.1	47.1	13,588

**Family Medicine: Residents provided effective teaching during the clerkship**

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

All Medical Schools	2016	2.1	3.8	9.7	33.5	51.0	7,460
All Medical Schools	2015	1.8	4.5	10.6	33.8	49.3	7,310
All Medical Schools	2014	2.5	5.1	11.0	33.5	47.9	6,969
All Medical Schools	2013	3.3	6.4	11.0	37.5	41.8	9,319
All Medical Schools	2012	3.3	6.4	11.2	36.7	42.3	8,581

		All Schools				
		2012	2013	2014	2015	2016
		Percent	Percent	Percent	Percent	Percent
<b>11. Clerkship Experiences: Internal Medicine</b>						
<b>Internal Medicine: Were you observed taking the relevant portions of the patient history?</b>						
Yes				91.5	91.5	92.7
No				8.5	8.5	7.3
Number of respondents				14,264	14,618	14,861
		Percent	Percent	Percent	Percent	Percent
<b>Internal Medicine: Were you observed performing the relevant portions of the physical or mental status exam?</b>						
Yes				92.8	92.9	93.8
No				7.2	7.1	6.2
Number of respondents				14,209	14,570	14,796
		Percent	Percent	Percent	Percent	Percent
<b>Internal Medicine: Were you provided with mid-clerkship feedback?</b>						
Yes				96.8	97.2	97.7
No				3.2	2.8	2.3
Number of respondents				14,199	14,559	14,803

		Percentage of Respondents Selecting Each Rating					Count
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	
<b>Internal Medicine: Faculty provided effective teaching during the clerkship</b>							
All Medical Schools	2016	0.9	1.7	4.9	29.8	62.7	14,735
All Medical Schools	2015	0.7	1.9	4.9	30.5	62.0	14,518
All Medical Schools	2014	1.0	1.8	4.4	29.9	62.9	14,168

**Internal Medicine: Residents provided effective teaching during the clerkship**

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

All Medical Schools	2016	0.9	1.6	4.2	25.4	67.9	14,159
All Medical Schools	2015	0.9	1.9	4.2	26.0	67.0	14,002
All Medical Schools	2014	1.1	2.0	4.2	26.6	66.2	13,711
All Medical Schools	2013	1.5	2.6	5.8	31.4	58.7	13,858
All Medical Schools	2012	1.3	2.7	5.7	31.0	59.3	12,987

		<b>All Schools</b>				
		<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
<b>11. Clerkship Experiences: Neurology</b>						
<b>Neurology: Were you observed taking the relevant portions of the patient history?</b>						
Yes			76.1	78.7	81.4	
No			23.9	21.3	18.6	
Number of respondents			12,716	12,964	13,458	
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
<b>Neurology: Were you observed performing the relevant portions of the physical or mental status exam?</b>						
Yes			86.5	87.7	89.5	
No			13.5	12.3	10.5	
Number of respondents			12,686	12,933	13,406	
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
<b>Neurology: Were you provided with mid-clerkship feedback?</b>						
Yes			83.7	85.4	87.4	
No			16.3	14.6	12.6	
Number of respondents			12,675	12,915	13,414	

		<b>Percentage of Respondents Selecting Each Rating</b>					
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Count
<b>Neurology: Faculty provided effective teaching during the clerkship</b>							
All Medical Schools	2016	2.0	5.4	12.8	37.4	42.3	13,348
All Medical Schools	2015	1.9	5.2	12.7	39.0	41.3	12,885
All Medical Schools	2014	2.3	5.8	13.1	38.8	40.1	12,622

**Neurology: Residents provided effective teaching during the clerkship**

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

All Medical Schools	2016	2.3	6.1	12.3	33.4	45.8	11,419
All Medical Schools	2015	2.3	5.9	13.0	34.1	44.7	10,963
All Medical Schools	2014	2.7	6.8	12.4	34.9	43.3	10,805

		All Schools				
		2012	2013	2014	2015	2016
		Percent	Percent	Percent	Percent	Percent
<b>11. Clerkship Experiences: Obstetrics-Gynecology/Women's Health</b>						
<b>Obstetrics-Gynecology/Women's Health: Were you observed taking the relevant portions of the patient history?</b>						
Yes			77.9	78.9	81.8	
No			22.1	21.1	18.2	
Number of respondents			14,230	14,601	14,845	
		Percent	Percent	Percent	Percent	Percent
<b>Obstetrics-Gynecology/Women's Health: Were you observed performing the relevant portions of the physical or mental status exam?</b>						
Yes			88.7	88.8	90.1	
No			11.3	11.2	9.9	
Number of respondents			14,195	14,570	14,797	
		Percent	Percent	Percent	Percent	Percent
<b>Obstetrics-Gynecology/Women's Health: Were you provided with mid-clerkship feedback?</b>						
Yes			91.1	92.3	93.2	
No			8.9	7.7	6.8	
Number of respondents			14,192	14,548	14,802	

		Percentage of Respondents Selecting Each Rating					Count
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	
<b>Obstetrics-Gynecology/Women's Health: Faculty provided effective teaching during the clerkship</b>							
All Medical Schools	2016	2.9	6.4	14.0	39.5	37.2	14,777
All Medical Schools	2015	2.9	6.8	14.2	39.3	36.9	14,529
All Medical Schools	2014	3.0	6.9	13.2	39.5	37.4	14,169

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

All Medical Schools	2016	5.1	7.7	12.3	32.6	42.3	13,377
All Medical Schools	2015	5.1	8.0	11.6	33.3	41.9	13,203
All Medical Schools	2014	5.2	8.5	12.0	34.4	39.9	12,854
All Medical Schools	2013	6.3	9.2	13.2	34.5	36.8	13,316
All Medical Schools	2012	6.6	8.8	13.5	34.4	36.8	12,444



		<b>All Schools</b>				
		<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
<b>11. Clerkship Experiences: Pediatrics</b>						
<b>Pediatrics: Were you observed taking the relevant portions of the patient history?</b>						
Yes			89.0	90.0	91.4	
No			11.0	10.0	8.6	
Number of respondents			14,247	14,618	14,847	
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
<b>Pediatrics: Were you observed performing the relevant portions of the physical or mental status exam?</b>						
Yes			91.3	91.9	92.8	
No			8.7	8.1	7.2	
Number of respondents			14,199	14,579	14,794	
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
<b>Pediatrics: Were you provided with mid-clerkship feedback?</b>						
Yes			95.0	95.2	96.0	
No			5.0	4.8	4.0	
Number of respondents			14,198	14,571	14,808	

#### Percentage of Respondents Selecting Each Rating

		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Count
<b>Pediatrics: Faculty provided effective teaching during the clerkship</b>							
All Medical Schools	2016	1.2	2.8	7.6	35.6	52.9	14,765
All Medical Schools	2015	1.1	2.9	7.7	35.5	52.8	14,536
All Medical Schools	2014	1.2	2.5	7.3	36.8	52.1	14,170

#### Pediatrics: Residents provided effective teaching during the clerkship

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

All Medical Schools	2016	2.0	3.6	8.6	32.4	53.4	13,536
All Medical Schools	2015	1.6	4.0	8.9	32.7	52.7	13,318
All Medical Schools	2014	1.8	4.3	8.6	34.6	50.7	13,079
All Medical Schools	2013	2.3	4.1	8.2	35.9	49.5	13,457
All Medical Schools	2012	2.2	4.4	8.6	36.0	48.9	12,583

		<b>All Schools</b>				
		<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
<b>11. Clerkship Experiences: Psychiatry</b>						
<b>Psychiatry: Were you observed taking the relevant portions of the patient history?</b>						
Yes			89.0	90.4	91.7	
No			11.0	9.6	8.3	
Number of respondents			14,224	14,603	14,843	
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
<b>Psychiatry: Were you observed performing the relevant portions of the physical or mental status exam?</b>						
Yes			87.6	89.1	90.6	
No			12.4	10.9	9.4	
Number of respondents			14,176	14,568	14,787	
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
<b>Psychiatry: Were you provided with mid-clerkship feedback?</b>						
Yes			90.7	91.9	93.4	
No			9.3	8.1	6.6	
Number of respondents			14,171	14,549	14,799	

		<b>Percentage of Respondents Selecting Each Rating</b>					
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Count
<b>Psychiatry: Faculty provided effective teaching during the clerkship</b>							
All Medical Schools	2016	1.5	3.8	9.8	37.3	47.6	14,748
All Medical Schools	2015	1.4	4.0	10.3	37.9	46.4	14,519
All Medical Schools	2014	1.7	4.2	10.9	39.7	43.5	14,146

**Psychiatry: Residents provided effective teaching during the clerkship**

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

All Medical Schools	2016	2.0	5.0	11.8	35.2	46.0	11,628
All Medical Schools	2015	2.1	5.5	11.7	36.1	44.5	11,461
All Medical Schools	2014	2.2	6.2	12.6	36.6	42.3	11,250
All Medical Schools	2013	2.3	5.2	10.6	37.9	44.0	12,456
All Medical Schools	2012	2.3	4.6	10.9	37.5	44.7	11,629

		All Schools				
		2012	2013	2014	2015	2016
		Percent	Percent	Percent	Percent	Percent
<b>11. Clerkship Experiences: Surgery</b>						
<b>Surgery: Were you observed taking the relevant portions of the patient history?</b>						
Yes				66.4	68.7	72.4
No				33.6	31.3	27.6
Number of respondents				14,198	14,568	14,819
		Percent	Percent	Percent	Percent	Percent
<b>Surgery: Were you observed performing the relevant portions of the physical or mental status exam?</b>						
Yes				74.9	76.6	78.8
No				25.1	23.4	21.2
Number of respondents				14,176	14,542	14,784
		Percent	Percent	Percent	Percent	Percent
<b>Surgery: Were you provided with mid-clerkship feedback?</b>						
Yes				88.4	89.3	91.2
No				11.6	10.7	8.8
Number of respondents				14,178	14,544	14,792

		Percentage of Respondents Selecting Each Rating					Count
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	
<b>Surgery: Faculty provided effective teaching during the clerkship</b>							
All Medical Schools	2016	3.4	7.3	14.2	38.3	36.7	14,733
All Medical Schools	2015	3.3	7.9	14.5	38.5	35.9	14,502
All Medical Schools	2014	3.7	8.2	14.5	38.7	34.9	14,153

**Surgery: Residents provided effective teaching during the clerkship**

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

All Medical Schools	2016	3.1	5.9	10.7	32.5	47.8	13,716
All Medical Schools	2015	3.3	6.4	10.8	32.3	47.2	13,578
All Medical Schools	2014	3.6	6.6	10.5	33.9	45.3	13,192
All Medical Schools	2013	4.3	6.5	11.8	34.9	42.5	13,436
All Medical Schools	2012	4.1	5.8	10.9	35.3	44.0	12,534

**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	2016	0.6	2.0	7.3	47.0	43.1	14,709
All Medical Schools	2015	0.5	2.2	8.0	48.3	40.9	14,384
All Medical Schools	2014	0.4	1.6	7.1	51.0	40.0	13,707
All Medical Schools	2013	0.4	1.7	8.5	53.2	36.2	13,411
All Medical Schools	2012	0.4	1.9	7.6	53.0	37.0	12,461
I have the fundamental understanding of common conditions and their management encountered in the major clinical disciplines.							
All Medical Schools	2016	0.4	1.0	5.4	50.3	42.9	14,684
All Medical Schools	2015	0.3	1.0	5.3	53.3	40.1	14,367
All Medical Schools	2014	0.2	0.9	4.7	56.1	38.1	13,694
All Medical Schools	2013	0.3	0.9	5.7	58.8	34.3	13,402
All Medical Schools	2012	0.2	1.0	5.5	58.1	35.2	12,447
I have the communication skills necessary to interact with patients and health professionals.							
All Medical Schools	2016	0.3	0.2	1.4	24.4	73.8	14,663
All Medical Schools	2015	0.1	0.2	1.4	26.7	71.5	14,337
All Medical Schools	2014	0.1	0.2	1.5	33.1	65.2	13,673
All Medical Schools	2013	0.2	0.2	2.2	37.9	59.5	13,394
All Medical Schools	2012	0.1	0.3	2.0	37.7	59.9	12,434
I have basic skills in clinical decision making and the application of evidence based information to medical practice.							
All Medical Schools	2016	0.4	0.8	4.8	44.9	49.1	14,622
All Medical Schools	2015	0.3	0.8	5.1	48.4	45.4	14,304
All Medical Schools	2014	0.2	0.6	3.9	50.4	45.0	13,663
All Medical Schools	2013	0.3	0.6	5.0	53.9	40.2	13,382
All Medical Schools	2012	0.2	0.7	4.8	54.0	40.2	12,419
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	2016	0.4	1.2	5.0	39.0	54.3	14,683
All Medical Schools	2015	0.3	1.0	5.4	42.9	50.4	14,369
All Medical Schools	2014	0.2	0.8	4.1	47.3	47.6	13,683
All Medical Schools	2013	0.3	1.1	5.5	50.8	42.4	13,395
All Medical Schools	2012	0.2	1.1	5.9	51.6	41.2	12,440
I understand the ethical and professional values that are expected of the profession.							
All Medical Schools	2016	0.3	0.2	1.5	27.8	70.2	14,666
All Medical Schools	2015	0.2	0.1	1.6	31.0	67.1	14,348
All Medical Schools	2014	0.2	0.1	1.5	36.9	61.3	13,676
All Medical Schools	2013	0.2	0.2	2.3	41.5	55.8	13,386
All Medical Schools	2012	0.2	0.2	2.0	41.8	55.7	12,423
I believe I am adequately prepared to care for patients from different backgrounds.							
All Medical Schools	2016	0.4	0.7	3.4	33.4	62.1	14,675
All Medical Schools	2015	0.2	0.6	3.9	39.7	55.7	14,356
All Medical Schools	2014	0.2	0.4	2.8	41.3	55.4	13,661
All Medical Schools	2013	0.3	0.5	3.8	45.4	49.9	13,359
All Medical Schools	2012	0.2	0.6	3.7	45.3	50.3	12,415

		<b>All Schools</b>				
		<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b>13.</b>	<b>Have you had a clinical training experience during medical school at a Department of Veterans Affairs medical facility?</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes	66.4	62.7	61.2	59.0	60.5
	No	33.6	37.3	38.8	41.0	39.5
	Number of respondents	12,317	14,050	14,210	14,564	14,705
	<b>How would you rate the value of your Department of Veterans Affairs clinical training experience?</b>					
	<b>Note: Only those who responded "Yes" to the prior question could respond to this item.</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Poor	2.1	2.4	3.0	2.7	2.6
	Fair	6.0	6.0	5.7	5.6	5.6
	Adequate	22.1	21.0	20.6	20.9	21.6
	Very Good	38.4	37.3	36.6	36.9	38.0
	Excellent	31.5	33.3	34.1	33.8	32.2
	Number of respondents	8,166	8,802	8,687	8,590	8,881
<b>14.</b>	<b>Indicate the activities you will have participated in during medical school on an elective (for credit) or volunteer (not required) basis:</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Independent study project for credit	42.4	42.4	43.8	32.5	46.6
	Research project with faculty member	68.1	68.2	69.3	69.4	74.1
	Authorship (sole or joint) of a peer-reviewed paper submitted for publication	41.8	41.7	42.0	47.8	46.5
	Authorship (sole or joint) of a peer-reviewed oral or poster presentation			43.6	52.5	50.3
	Global health experience	30.4	30.2	29.0	31.2	28.0
	Educating elementary, high school or college students about careers in health professions or biological sciences	44.0	45.1	44.9	44.7	48.4
	Providing health education (e.g., HIV/AIDS education, breast cancer awareness, smoking cessation, obesity)	57.7	57.6	59.6	60.5	61.5
	Field experience in providing health education in the community (e.g., adult/child protective services, family violence program, rape crisis hotline)	42.9	41.2	37.9	36.2	35.0
	Field experience in home care	33.5	31.7	33.1	32.6	33.3
	Learned another language in order to improve communication with patients	25.3	24.8	23.6	23.7	23.9
	Learned the proper use of the interpreter when needed	71.5	70.8	74.1	73.1	79.4
	Experience related to health disparities	68.6	68.6	71.4	61.7	75.2
	Experience related to cultural awareness and cultural competence	68.5	67.5	70.9	64.2	72.4
	Community-based research project	27.5	27.5	29.2	26.0	31.4
	Field experience in nursing home care	31.8	30.7	32.2	31.9	31.8
	Experience with a free clinic for the underserved population	73.3	72.5	74.5	73.5	73.0
	Other	3.5	2.9	3.5	1.9	2.3
	Number of respondents	13,022	13,964	14,089	14,551	14,701

**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	2016	3.3	9.4	19.2	45.2	22.9	14,607
All Medical Schools	2015	3.9	11.7	20.4	43.2	20.9	14,445
All Medical Schools	2014	4.5	13.0	21.0	43.1	18.2	14,051
All Medical Schools	2013	4.4	16.0	20.5	43.2	16.0	13,368
All Medical Schools	2012	5.0	15.3	20.6	42.8	16.3	12,415

**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	2016	0.9	2.7	13.4	47.9	35.1	14,557
All Medical Schools	2015	1.0	2.1	11.5	47.7	37.7	14,435
All Medical Schools	2014	0.8	3.3	16.7	55.1	24.1	13,892
All Medical Schools	2013	1.0	3.7	17.3	56.4	21.6	13,188
All Medical Schools	2012	1.1	3.7	18.2	56.6	20.4	12,245
The diversity within my medical school class enhanced my training and skills to work with individuals from different backgrounds.							
All Medical Schools	2016	4.1	10.4	23.4	35.4	26.6	14,580
All Medical Schools	2015	4.1	10.2	23.7	35.8	26.2	14,454
All Medical Schools	2014	3.9	10.2	23.6	39.8	22.5	13,896
All Medical Schools	2013	3.1	8.9	20.7	44.9	22.4	13,188
All Medical Schools	2012	3.4	9.3	21.3	43.8	22.3	12,242

## 17. Learning Environment Scales

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

### Emotional Climate

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

		Reliability Estimate	Mean	Standard Deviation	Count
All Medical Schools	2016	0.9	9.7	3.2	14,272

### Student-Faculty Interaction

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

		Reliability Estimate	Mean	Standard Deviation	Count
All Medical Schools	2016	0.8	14.2	3.4	14,184

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

		Percentage of Respondents Selecting Each Rating						
		Never	Almost never	Sometimes	Fairly often	Very often	Always	Count
There are disconnects between what I am taught about professional behaviors/attitudes and what I see being demonstrated by faculty								
All Medical Schools	2016	7.3	36.7	35.0	9.6	7.8	3.6	14,374

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

		Percentage of Respondents Selecting Each Rating						Count
		Never	Almost never	Sometimes	Fairly often	Very often	Always	
Respecting patient confidentiality								
All Medical Schools	2016	0.1	0.1	1.7	7.2	39.1	51.8	14,276
Using professional language/avoiding derogatory language								
All Medical Schools	2016	0.4	1.3	3.6	13.2	47.3	34.1	14,262
Being respectful of house staff and other physicians								
All Medical Schools	2016	0.2	0.3	3.7	14.8	50.7	30.3	14,262
Respecting diversity								
All Medical Schools	2016	0.2	0.5	4.4	12.7	42.4	39.9	14,237
Being respectful of other health professions								
All Medical Schools	2016	0.2	0.5	5.1	17.1	46.3	30.9	14,198
Being respectful of other specialties								
All Medical Schools	2016	0.2	1.2	10.7	27.1	43.5	17.2	14,268
Providing direction and constructive feedback								
All Medical Schools	2016	0.3	1.7	12.8	25.4	41.3	18.6	14,251
Showing respectful interaction with students								
All Medical Schools	2016	0.2	0.4	6.2	19.4	50.6	23.2	14,243



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

		Percentage of Respondents Selecting Each Rating						
		Never	Almost never	Sometimes	Fairly often	Very often	Always	Count
Showing empathy and compassion								
All Medical Schools	2016	0.2	0.5	6.2	20.5	50.2	22.4	14,239
Being respectful of patients' dignity and autonomy								
All Medical Schools	2016	0.1	0.3	4.3	15.4	48.6	31.2	14,168
Actively listened and showed interest in patients.								
All Medical Schools	2016	0.1	0.3	4.7	17.9	53.4	23.7	14,260
Taking time and effort to explain information to patients								
All Medical Schools	2016	0.1	0.8	8.1	22.3	48.6	20.1	14,247
Advocating appropriately on behalf of his/her patients.								
All Medical Schools	2016	0.1	0.4	5.5	17.1	49.7	27.2	14,234
Resolving conflicts in ways that respect the dignity of all involved								
All Medical Schools	2016	0.1	0.4	5.2	17.2	51.3	25.8	14,225

**20. Indicate whether you agree or disagree with the following statement.**

		Percentage of Respondents Selecting Each Rating					
		Strongly disagree	Disagree	Neutral	Agree	Strongly agree	Count
My medical school has done a good job of fostering and nurturing my development as a person							
All Medical Schools	2016	2.5	5.7	17.3	41.7	32.9	13,533

My medical school has done a good job of fostering and nurturing my development as a future physician							
All Medical Schools	2016	0.7	1.5	5.9	43.3	48.6	14,263

**21. Tolerance for Ambiguity (TFA) Scale**

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

Tolerance for Ambiguity (TFA) Scale		Reliability Estimate	Mean	Standard Deviation	Count
All Medical Schools	2016	0.8	24.8	6.2	13,894

**22. Interpersonal Reactivity Index (IRI)**

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

Interpersonal Reactivity Index (IRI)		Reliability Estimate	Mean	Standard Deviation	Count
All Medical Schools	2016	0.8	23.6	4.7	13,822

**23. Oldenburg Burnout Inventory for Medical Students Scale**

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

**Disengagement**

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

		Reliability Estimate	Mean	Standard Deviation	Count
All Medical Schools	2016	0.8	9.8	3.6	13,691

**Exhaustion**

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

		Reliability Estimate	Mean	Standard Deviation	Count
All Medical Schools	2016	0.8	11.1	3.6	13,689

**All Schools**

**24. In which of the following activities do you plan to participate during your career?**

**Note: Percentages may not sum to 100% as multiple responses are allowed.**

	2012	2013	2014	2015	2016
Patient Care				97.9	97.2
Research				59.7	52.2
Teaching				85.3	83.6
Medical School Faculty				45.5	45.3
Administration (e.g., Department Chair, Dean)				26.6	28.6
Military Service				4.7	4.8
Public Health				25.0	28.0
Other				2.2	3.5
Number of respondents				13,909	13,990

		All Schools				
		2012	2013	2014	2015	2016
<b>25.</b>	<b>Do you anticipate providing patient care full-time or part-time?</b> <b>Note: Only those who selected "Patient Care" at Q24 could respond to this item.</b>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Full-time (at least 36 hours a week)				89.7	88.2
	Part-time (less than 36 hours a week)				10.3	11.8
	Number of respondents				13,594	13,567
<b>26.</b>	<b>How exclusively do you expect to be involved in research?</b> <b>Note: Only those who selected "Research" at Q24 could respond to this item.</b>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Full-time				2.5	2.8
	Significantly involved				42.2	44.5
	Involved in a limited way				55.3	52.6
	Number of respondents				8,301	7,294
<b>27.</b>	<b>When thinking about your career, what is your intended area of practice?</b>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Anesthesiology or subspecialty				6.2	5.7
	Dermatology or subspecialty				2.4	2.4
	Emergency Medicine or subspecialty				8.4	8.8
	Family Medicine or subspecialty				8.5	8.6
	Internal Medicine or subspecialty				20.0	19.6
	Internal Medicine/Pediatrics				1.9	2.0
	Medical Genetics or subspecialty				0.1	0.1
	Neurological Surgery				1.2	1.3
	Neurology or subspecialty				2.6	3.1
	Nuclear Medicine				0.0	0.0
	Obstetrics and Gynecology or subspecialty				6.1	5.9
	Ophthalmology or subspecialty				2.5	2.5
	Orthopaedic Surgery or subspecialty				4.7	4.5
	Otolaryngology or subspecialty				2.0	1.8
	Pathology or subspecialty				1.5	1.4
	Pediatrics or subspecialty				11.6	11.3
	Physical Medicine and Rehabilitation or subspecialty				1.0	1.2
	Plastic Surgery or subspecialty				0.8	0.9
	Preventive Medicine or subspecialty				0.1	0.1
	Psychiatry or subspecialty				4.4	4.9
	Radiation Oncology				1.0	0.9
	Radiology or subspecialty				3.7	4.1
	Surgery - General Surgery or subspecialty				6.2	6.1
	Thoracic Surgery or subspecialty				0.5	0.4
	Urology or subspecialty				1.6	1.6
	Vascular Surgery or subspecialty				0.3	0.3
	Undecided				0.5	0.5
	I do not plan to practice medicine				0.2	0.2
	Number of respondents				13,939	14,029

		All Schools				
		2012	2013	2014	2015	2016
28.	<b>Do you plan, at some point in your career, to work as a hospitalist (i.e., full-time care of hospitalized patients)?</b>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
		Yes			18.4	18.9
		No			44.5	44.8
		Not sure			37.1	36.3
Number of respondents					13,923	14,006

29. **How useful were the following resources in learning about specialty choice and career planning?**  
**Note: From 2012-2013 only those responding "Yes" to "Are you planning to become certified in a specialty?" were offered this question. From 2014-2016 all respondents were offered this question.**

		Percentage of Respondents Selecting Each Rating					Count
		Did not use	Not useful	Somewhat useful	Moderately useful	Very useful	
Advising/Mentoring							
All Medical Schools	2016	5.8	6.0	13.5	27.4	47.4	13,930
All Medical Schools	2015	7.3	5.2	12.9	29.2	45.3	13,878
All Medical Schools	2014	8.4	5.8	13.3	29.6	42.9	13,370
All Medical Schools	2013	7.3	7.0	15.4	29.2	41.1	11,227
All Medical Schools	2012	7.4	7.1	15.2	28.5	41.8	10,140
AAMC's Careers in Medicine website							
All Medical Schools	2016	31.4	8.4	23.7	23.6	12.9	13,900
All Medical Schools	2015	28.7	5.5	19.5	28.6	17.8	13,839
All Medical Schools	2014	32.1	6.5	19.7	26.0	15.7	13,313
All Medical Schools	2013	30.7	6.3	20.1	27.6	15.4	11,191
All Medical Schools	2012	31.1	6.2	20.5	26.1	16.1	10,114
Specialty interest group-sponsored panels and presentations							
All Medical Schools	2016	15.0	6.1	22.7	32.8	23.5	13,901
All Medical Schools	2015	15.4	4.0	16.9	33.6	30.2	13,849
All Medical Schools	2014	16.1	4.5	18.6	34.2	26.6	13,348
All Medical Schools	2013	14.8	4.4	19.8	34.4	26.6	11,178
All Medical Schools	2012	14.9	4.8	19.5	33.7	27.1	10,122
School-sponsored career planning workshops and courses							
All Medical Schools	2016	29.2	9.2	22.7	26.3	12.6	13,899
All Medical Schools	2015	31.8	7.4	16.6	27.4	16.7	13,841
All Medical Schools	2014	37.2	7.9	16.7	24.8	13.4	13,321
All Medical Schools	2013	33.9	8.1	18.0	25.6	14.4	11,166
All Medical Schools	2012	33.6	8.1	17.9	26.0	14.4	10,095
Participation in in-house and extramural electives							
All Medical Schools	2016	13.9	3.7	11.3	25.9	45.0	13,925
All Medical Schools	2015	16.7	2.9	9.0	24.5	46.9	13,850
All Medical Schools	2014	18.5	2.9	9.6	24.9	44.1	13,341
All Medical Schools	2013	15.0	3.2	11.1	26.1	44.7	11,206
All Medical Schools	2012	14.9	2.7	9.9	25.9	46.5	10,125
Other publications and web-based resources							
All Medical Schools	2016	23.5	4.4	21.1	32.1	18.9	13,895
All Medical Schools	2015	24.9	2.4	15.4	33.4	23.9	13,833
All Medical Schools	2014	27.7	3.1	15.7	32.0	21.5	13,291
All Medical Schools	2013	24.6	3.1	18.6	32.1	21.5	11,152
All Medical Schools	2012	24.0	3.3	17.1	33.0	22.7	10,099

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

**Note: From 2012-2013 only those responding "Yes" to "Are you planning to become certified in a specialty?" were offered this question. From 2014-2016 all respondents were offered this question.**

		Percentage of Respondents Selecting Each Rating				
		No influence	Minor influence	Moderate influence	Strong influence	Count
<b>Competitiveness of specialty</b>						
All Medical Schools	2016	29.7	29.8	31.1	9.3	13,969
All Medical Schools	2015	30.8	28.7	30.6	10.0	13,897
All Medical Schools	2014	30.4	27.9	31.2	10.6	12,053
All Medical Schools	2013	30.6	27.5	31.5	10.4	11,243
All Medical Schools	2012	31.3	27.5	31.4	9.7	10,158
<b>Level of educational debt</b>						
All Medical Schools	2016	52.9	24.0	15.9	7.2	13,943
All Medical Schools	2015	51.8	24.0	16.4	7.8	13,880
All Medical Schools	2014	50.5	22.9	17.8	8.8	12,038
All Medical Schools	2013	49.0	23.3	19.0	8.8	11,228
All Medical Schools	2012	50.2	22.7	18.3	8.7	10,141
<b>Role model influence</b>						
All Medical Schools	2016	6.9	11.4	29.5	52.2	13,942
All Medical Schools	2015	7.6	11.0	28.8	52.6	13,888
All Medical Schools	2014	7.9	10.6	29.0	52.5	12,040
All Medical Schools	2013	8.2	11.8	29.7	50.3	11,241
All Medical Schools	2012	8.6	11.8	29.2	50.5	10,149
<b>Options for fellowship training</b>						
All Medical Schools	2016	18.2	19.1	30.3	32.5	13,938
All Medical Schools	2015	18.1	17.6	29.9	34.5	13,871
All Medical Schools	2014	20.2	19.8	29.3	30.7	12,043
All Medical Schools	2013	20.1	19.3	31.4	29.1	11,238
All Medical Schools	2012	20.2	19.8	30.0	30.0	10,146
<b>Income expectations</b>						
All Medical Schools	2016	22.2	31.1	32.8	13.9	13,965
All Medical Schools	2015	22.2	30.8	32.8	14.2	13,890
All Medical Schools	2014	22.0	30.6	32.9	14.5	12,050
All Medical Schools	2013	21.6	30.6	33.9	13.9	11,237
All Medical Schools	2012	22.5	30.0	33.3	14.2	10,148
<b>Length of residency training</b>						
All Medical Schools	2016	24.3	32.5	30.1	13.1	13,959
All Medical Schools	2015	24.0	31.9	31.3	12.8	13,896
All Medical Schools	2014	25.0	31.3	31.3	12.5	12,048
All Medical Schools	2013	25.5	31.7	31.3	11.5	11,239
All Medical Schools	2012	27.6	32.0	29.4	11.0	10,148
<b>Family expectations</b>						
All Medical Schools	2016	44.5	22.7	19.9	12.9	13,958
All Medical Schools	2015	43.5	22.1	20.5	13.9	13,890
All Medical Schools	2014	43.3	22.6	20.5	13.6	12,044
All Medical Schools	2013	42.5	22.8	21.1	13.6	11,240
All Medical Schools	2012	43.7	23.4	20.3	12.7	10,151

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

**Note: From 2012-2013 only those responding "Yes" to "Are you planning to become certified in a specialty?" were offered this question. From 2014-2016 all respondents were offered this question. (Continued)**

		Percentage of Respondents Selecting Each Rating				Count
		No influence	Minor influence	Moderate influence	Strong influence	
<b>My future family plans</b>						
All Medical Schools	2016	17.9	19.9	32.3	29.9	13,954
All Medical Schools	2015	17.7	19.6	31.8	31.0	13,888
All Medical Schools	2014	16.6	19.9	32.3	31.2	12,047
All Medical Schools	2013	17.1	19.4	32.9	30.6	11,241
All Medical Schools	2012	17.3	20.1	32.0	30.6	10,150
<b>Work/Life balance</b>						
All Medical Schools	2016	5.9	15.3	35.1	43.8	13,931
All Medical Schools	2015	6.3	15.2	33.8	44.7	13,875
All Medical Schools	2014	6.2	15.4	34.4	44.0	12,023
All Medical Schools	2013	6.6	15.2	34.5	43.7	11,216
All Medical Schools	2012	7.1	15.6	33.9	43.4	10,138
<b>Fit with personality, interests, and skills</b>						
All Medical Schools	2016	0.4	1.1	11.4	87.0	13,960
All Medical Schools	2015	0.4	0.9	9.6	89.0	13,907
All Medical Schools	2014	0.4	1.2	10.9	87.4	12,051
All Medical Schools	2013	0.3	1.4	12.3	86.0	11,243
All Medical Schools	2012	0.4	1.3	11.2	87.1	10,151
<b>Content of specialty</b>						
All Medical Schools	2016	0.5	1.6	16.0	81.9	13,945
All Medical Schools	2015	0.5	1.4	13.7	84.4	13,892
All Medical Schools	2014	0.4	1.5	15.4	82.8	12,045
All Medical Schools	2013	0.3	1.7	16.2	81.8	11,226
All Medical Schools	2012	0.3	1.6	15.1	83.0	10,139

**All Schools**

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

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

	2012	2013	2014	2015	2016
	Percent	Percent	Percent	Percent	Percent
Alabama					1.0
Alaska					0.2
Arizona					1.0
Arkansas					0.3
California					14.3
Colorado					2.2
Connecticut					0.4
Delaware					0.0
District of Columbia					0.8
Florida					3.7
Georgia					1.5
Hawaii					0.5
Idaho					0.2
Iowa					0.6

	All Schools				
	2012	2013	2014	2015	2016
<b>31. Where do you hope to work after completing your medical training?</b>					
<b>Note: The response options were revised in 2016. "Undecided" was added and other locations were discontinued or consolidated. (Continued)</b>					
	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Illinois					3.6
Indiana					0.6
Kansas					0.7
Kentucky					0.7
Louisiana					1.0
Maine					0.3
Maryland					1.3
Massachusetts					2.9
Michigan					2.2
Minnesota					1.7
Mississippi					0.4
Missouri					1.1
Montana					0.3
Nebraska					0.4
Nevada					0.2
New Hampshire					0.1
New Jersey					1.0
New Mexico					0.4
New York					6.6
North Carolina					2.7
North Dakota					0.1
Ohio					2.2
Oklahoma					0.5
Oregon					1.1
Pennsylvania					3.0
Puerto Rico					0.7
Rhode Island					0.1
South Carolina					1.0
South Dakota					0.2
Tennessee					1.2
Texas					6.6
Utah					0.8
Vermont					0.3
Virginia					1.4
Washington					2.2
West Virginia					0.2
Wisconsin					1.0
Wyoming					0.1
U.S. Territory/Possession					0.1
Canada					0.2
Other Foreign Country					0.6
Undecided					21.7
Number of respondents					12,018



		All Schools				
		2012	2013	2014	2015	2016
<b>32.</b>	<b>Please indicate the setting in which you plan to work after the completion of your medical education and training: Note: In 2015, "Suburb of moderate size city" was inadvertently omitted from the response options.</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Large city (population 500,000 or more)				41.5	38.6
	Suburb of a large city				14.8	14.1
	City of moderate size (population 50,000 to 500,000)				23.3	21.3
	Suburb of moderate size city					4.8
	Small city (population 10,000 to 50,000--other than suburb)				4.8	4.0
	Town (population 2,500 to 10,000--other than suburb)				1.9	1.7
	Small town (population less than 2,500)				0.5	0.6
	Rural/unincorporated area				1.1	1.1
	Undecided or no preference				12.2	13.8
	Number of respondents				13,889	13,968
<b>33.</b>	<b>Do you plan to work primarily in an underserved area? Note: From 2012-2014 the question was, "Do you plan to practice in an underserved area?"</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes	30.9	30.6	30.4	22.3	23.1
	No	23.9	22.6	20.8	29.8	28.8
	Undecided	45.1	46.7	48.9	47.9	48.1
	Number of respondents	12,245	13,213	13,429	13,904	13,977
<b>34.</b>	<b>Regardless of location, do you plan to care primarily for an underserved population?</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes	27.8	27.7	27.3	28.2	29.8
	No	31.8	30.7	28.7	26.5	25.6
	Undecided	40.4	41.7	44.1	45.3	44.6
	Number of respondents	12,236	13,213	13,429	13,898	13,980
<b>35.</b>	<b>If you could revisit your career choice, would you choose to attend medical school again?</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	No	1.6	1.8	3.9	2.4	1.9
	Probably not	4.7	5.3	7.2	6.7	6.0
	Neutral	8.2	8.7	9.8	9.1	8.9
	Probably yes	29.8	30.3	29.8	32.0	32.3
	Yes	55.7	54.0	49.4	49.7	50.9
	Number of respondents	10,226	11,327	13,477	13,926	13,998

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

		Percentage of Respondents Selecting Each Rating					Count
		Very dissatisfied	Dissatisfied	Neutral	Satisfied	Very satisfied	
<b>Office of the Dean of Students/Associate Dean for Students: Accessibility</b>							
All Medical Schools	2016	2.0	3.2	15.6	37.0	42.3	13,957
All Medical Schools	2015	1.7	2.8	12.6	37.2	45.7	13,995
All Medical Schools	2014	1.5	2.9	13.3	39.2	43.2	13,573
All Medical Schools	2013	1.8	3.3	13.2	40.4	41.4	13,335
All Medical Schools	2012	1.8	3.6	13.6	39.4	41.6	12,375
<b>Office of the Dean of Students/Associate Dean for Students: Awareness of student concerns</b>							
All Medical Schools	2016	3.6	6.6	16.9	37.3	35.6	13,952
All Medical Schools	2015	3.3	6.4	15.6	36.7	37.9	13,987
All Medical Schools	2014	3.0	5.6	15.4	38.8	37.2	13,545
All Medical Schools	2013	3.0	6.1	15.0	39.1	36.8	13,312
All Medical Schools	2012	3.4	6.4	14.9	38.8	36.5	12,363
<b>Office of the Dean of Students/Associate Dean for Students: Responsiveness to student problems</b>							
All Medical Schools	2016	4.2	6.7	17.6	35.1	36.4	13,887
All Medical Schools	2015	3.8	6.7	16.0	35.1	38.5	13,859
All Medical Schools	2014	3.6	6.6	16.2	36.0	37.6	13,441
All Medical Schools	2013	3.6	6.7	16.0	36.4	37.4	13,235
All Medical Schools	2012	4.3	7.0	15.9	36.2	36.6	12,286
<b>Office of the Dean for Educational Programs/Curricular Affairs: Accessibility</b>							
All Medical Schools	2016	2.1	3.3	20.9	40.4	33.3	13,927
All Medical Schools	2015	1.7	2.8	17.7	40.9	36.8	13,969
All Medical Schools	2014	1.5	2.9	18.3	42.5	34.8	13,503
All Medical Schools	2013	1.6	3.1	19.2	43.7	32.4	13,276
All Medical Schools	2012	1.8	3.6	18.8	42.9	33.0	12,341
<b>Office of the Dean for Educational Programs/Curricular Affairs: Awareness of student concerns</b>							
All Medical Schools	2016	3.2	6.0	20.8	39.5	30.5	13,905
All Medical Schools	2015	2.8	5.2	19.2	39.3	33.6	13,940
All Medical Schools	2014	2.3	5.0	18.6	41.5	32.5	13,480
All Medical Schools	2013	2.4	5.2	19.8	41.9	30.7	13,261
All Medical Schools	2012	2.8	5.8	18.9	41.6	30.9	12,328
<b>Office of the Dean for Educational Programs/Curricular Affairs: Responsiveness to student problems</b>							
All Medical Schools	2016	3.9	6.7	22.0	36.8	30.7	13,909
All Medical Schools	2015	3.5	6.1	19.2	37.7	33.5	13,941
All Medical Schools	2014	2.9	6.1	19.7	39.4	32.0	13,474
All Medical Schools	2013	3.0	6.2	20.4	39.7	30.8	13,262
All Medical Schools	2012	3.7	6.7	19.7	39.3	30.6	12,318
<b>Office of the Dean for Educational Programs/Curricular Affairs: Participation of students on key medical school committees</b>							
All Medical Schools	2016	2.4	3.5	22.2	39.0	33.0	13,890
All Medical Schools	2015	2.1	3.1	19.5	38.5	36.9	13,932
All Medical Schools	2014	1.7	3.0	19.9	41.2	34.2	13,450
All Medical Schools	2013	1.8	3.1	20.8	41.9	32.5	13,227
All Medical Schools	2012	2.0	3.4	19.8	42.0	32.7	12,301
<b>Student Support: Academic counseling*</b>							
All Medical Schools	2016	4.2	8.2	13.7	39.3	34.5	10,720
All Medical Schools	2015	3.7	9.3	12.9	37.8	36.3	9,839
All Medical Schools	2014	3.8	8.7	12.7	40.0	34.9	9,298

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

		Percentage of Respondents Selecting Each Rating					Count
		Very dissatisfied	Dissatisfied	Neutral	Satisfied	Very satisfied	
<b>Student Support: Tutoring*</b>							
All Medical Schools	2016	4.1	7.0	17.2	38.2	33.5	6,331
All Medical Schools	2015	3.1	7.4	15.8	39.5	34.1	5,250
All Medical Schools	2014	3.1	7.3	17.0	39.7	33.0	5,175
<b>Student Support: Personal counseling*</b>							
All Medical Schools	2016	4.4	7.2	15.1	35.5	37.8	7,727
All Medical Schools	2015	3.5	7.6	13.4	34.4	41.1	6,443
All Medical Schools	2014	3.6	7.0	14.3	36.5	38.6	6,444
All Medical Schools	2013	3.3	7.3	12.5	37.8	39.1	7,278
All Medical Schools	2012	3.7	8.0	12.6	37.8	37.9	6,589
<b>Student Support: Financial aid administrative services*</b>							
All Medical Schools	2016	3.2	6.5	14.5	38.0	37.7	10,833
All Medical Schools	2015	2.7	5.7	12.8	37.6	41.3	11,091
All Medical Schools	2014	2.4	6.0	12.0	39.1	40.4	11,012
All Medical Schools	2013	2.9	6.3	11.1	40.8	38.9	11,053
All Medical Schools	2012	3.5	7.0	11.6	38.8	39.1	10,357
<b>Student Support: Overall educational debt management counseling*</b>							
All Medical Schools	2016	4.2	9.5	19.0	37.3	30.0	10,224
All Medical Schools	2015	3.5	9.0	17.1	37.0	33.4	10,348
All Medical Schools	2014	2.8	8.3	16.5	40.2	32.3	10,317
All Medical Schools	2013	3.3	9.4	17.0	40.2	30.2	10,141
All Medical Schools	2012	3.9	10.0	17.7	38.9	29.5	9,594
<b>Student Support: Senior loan exit interview*</b>							
All Medical Schools	2016	2.5	4.7	19.6	38.9	34.3	8,406
All Medical Schools	2015	2.0	3.9	18.1	38.5	37.5	8,533
All Medical Schools	2014	1.6	3.5	18.3	40.9	35.7	8,706
All Medical Schools	2013	1.7	4.0	19.8	41.3	33.3	8,817
All Medical Schools	2012	2.1	4.5	19.3	41.0	33.1	8,445
<b>Student Support: Faculty mentoring*</b>							
All Medical Schools	2016	2.4	5.0	11.9	37.0	43.8	13,239
All Medical Schools	2015	2.6	7.0	12.4	34.2	43.8	13,055
All Medical Schools	2014	2.6	6.9	12.6	36.4	41.4	12,602
All Medical Schools	2013	3.1	8.3	13.6	37.5	37.4	12,220
All Medical Schools	2012	3.4	8.2	14.5	37.2	36.7	11,299
<b>Career Planning Services: Career preference assessment activities*</b>							
All Medical Schools	2016	4.3	9.1	23.6	41.3	21.7	9,398
All Medical Schools	2015	4.0	10.5	21.0	39.0	25.5	10,400
All Medical Schools	2014	4.1	10.7	21.2	40.2	23.8	9,992
All Medical Schools	2013	4.0	11.6	22.2	40.1	22.1	10,263
All Medical Schools	2012	4.3	12.4	22.1	39.8	21.4	9,441
<b>Career Planning Services: Information about specialties*</b>							
All Medical Schools	2016	3.1	7.6	17.8	46.2	25.3	11,712
All Medical Schools	2015	3.0	9.3	17.1	42.8	27.8	12,428
All Medical Schools	2014	3.1	9.1	17.6	43.8	26.4	11,968
All Medical Schools	2013	3.2	9.5	18.8	44.3	24.2	11,722
All Medical Schools	2012	3.4	10.3	18.2	44.2	23.9	10,885

**36. Indicate your level of satisfaction with the following:**

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

		Percentage of Respondents Selecting Each Rating					Count
		Very dissatisfied	Dissatisfied	Neutral	Satisfied	Very satisfied	
<b>Career Planning Services: Information about alternative medical careers*</b>							
All Medical Schools	2016	9.7	19.7	24.8	28.8	17.0	9,045
All Medical Schools	2015	9.0	21.3	26.6	25.0	18.2	9,170
All Medical Schools	2014	8.4	23.5	26.3	25.2	16.7	9,085
All Medical Schools	2013	8.4	23.4	26.5	25.8	15.9	9,264
All Medical Schools	2012	8.7	23.8	26.8	25.3	15.4	8,605
<b>Career Planning Services: Overall satisfaction with career planning services*</b>							
All Medical Schools	2016	4.3	9.1	22.2	43.4	21.0	11,607
All Medical Schools	2015	3.9	10.8	21.2	39.7	24.4	12,282
All Medical Schools	2014	3.9	10.4	20.7	42.4	22.7	11,826
All Medical Schools	2013	4.0	11.0	22.5	41.6	21.0	11,590
All Medical Schools	2012	4.3	11.4	22.3	41.7	20.4	10,737
<b>Wellness: Student programs/activities that promote effective stress management, a balanced lifestyle and overall well being*</b>							
All Medical Schools	2016	2.9	6.8	17.1	40.5	32.8	11,858
All Medical Schools	2015	2.5	6.2	15.8	40.6	34.9	11,620
All Medical Schools	2014	2.6	6.5	16.9	41.7	32.3	10,661
All Medical Schools	2013	2.6	7.2	17.9	42.4	29.8	10,873
All Medical Schools	2012	2.8	7.2	18.4	43.2	28.4	9,881
<b>Student Health: Student health services*</b>							
All Medical Schools	2016	3.3	6.7	11.2	42.3	36.6	11,753
All Medical Schools	2015	2.8	6.5	11.0	43.2	36.5	11,725
All Medical Schools	2014	3.0	7.4	11.8	44.8	33.0	11,454
All Medical Schools	2013	3.4	8.3	12.6	45.3	30.4	11,317
All Medical Schools	2012	4.1	8.9	12.7	45.1	29.3	10,536
<b>Student Health: Student mental health services*</b>							
All Medical Schools	2016	5.3	7.3	13.3	34.5	39.6	5,913
All Medical Schools	2015	4.0	6.8	12.2	36.1	40.9	5,416
All Medical Schools	2014	3.9	7.0	14.1	38.6	36.5	5,292
All Medical Schools	2013	4.1	6.4	14.4	40.3	34.8	5,604
All Medical Schools	2012	4.3	6.5	14.8	40.8	33.5	5,057
<b>Student Health: Student health insurance*</b>							
All Medical Schools	2016	9.1	13.1	17.8	36.2	23.8	9,414
All Medical Schools	2015	7.4	13.3	17.1	37.0	25.2	9,440
All Medical Schools	2014	7.3	12.9	17.3	39.1	23.4	9,199
All Medical Schools	2013	8.4	14.9	18.0	37.7	20.9	9,509
All Medical Schools	2012	10.5	16.5	16.7	37.1	19.2	9,083
<b>Facilities: Library*</b>							
All Medical Schools	2016	1.7	4.6	7.8	40.6	45.3	13,438
All Medical Schools	2015	1.3	4.1	7.6	41.0	45.9	13,525
All Medical Schools	2014	1.1	4.4	7.0	42.4	45.0	13,167
All Medical Schools	2013	1.3	4.7	8.2	43.8	42.0	12,987
All Medical Schools	2012	1.6	4.7	7.9	44.4	41.4	12,090
<b>Facilities: Computer resource center*</b>							
All Medical Schools	2016	1.8	4.7	10.0	41.8	41.6	12,541
All Medical Schools	2015	1.3	4.5	9.0	42.1	43.1	12,734
All Medical Schools	2014	1.3	4.1	8.6	43.6	42.4	12,529
All Medical Schools	2013	1.2	4.2	9.1	45.5	40.1	12,531
All Medical Schools	2012	1.1	3.9	8.9	46.1	40.0	11,743

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

		Percentage of Respondents Selecting Each Rating					Count
		Very dissatisfied	Dissatisfied	Neutral	Satisfied	Very satisfied	
Facilities: Student study space*							
All Medical Schools	2016	3.0	8.2	10.3	37.8	40.7	13,544
All Medical Schools	2015	2.4	7.7	10.3	38.8	40.8	13,556
All Medical Schools	2014	2.7	8.3	9.5	39.1	40.3	13,147
All Medical Schools	2013	2.3	8.4	10.5	41.8	37.0	12,937
All Medical Schools	2012	2.8	8.8	9.9	41.5	36.9	12,006
Facilities: Student relaxation space*							
All Medical Schools	2016	4.5	11.5	16.8	35.1	31.9	12,405
All Medical Schools	2015	4.1	10.8	16.6	35.8	32.7	12,501
All Medical Schools	2014	4.1	11.6	15.5	35.9	32.9	12,192
All Medical Schools	2013	3.7	11.2	16.4	38.3	30.5	12,073
All Medical Schools	2012	4.1	11.5	16.4	37.1	30.8	11,227

		All Schools				
		2012	2013	2014	2015	2016
<b>37. Are you aware that your school has policies regarding the mistreatment of medical students?</b>						
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Yes		84.5	88.2	93.3	94.5	95.7
No		15.5	11.8	6.7	5.5	4.3
Number of respondents		12,293	13,192	13,515	13,954	13,920

		All Schools				
		Percent	Percent	Percent	Percent	Percent
<b>38. Do you know the procedures at your school for reporting the mistreatment of medical students?</b>						
Yes		67.4	71.7	78.6	80.8	82.3
No		32.6	28.3	21.4	19.2	17.7
Number of respondents		12,251	13,160	13,510	13,954	13,927

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

		Percentage of Respondents Selecting Each Rating				Count
		Never	Once	Occasionally	Frequently	
Been publicly embarrassed?						
All Medical Schools	2016	58.1	20.5	20.4	1.0	13,904
All Medical Schools	2015	53.7	17.9	27.0	1.4	13,877
All Medical Schools	2014	53.7	18.3	26.6	1.4	13,243
All Medical Schools	2013	52.8	18.1	27.5	1.5	13,014

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

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

		Percentage of Respondents Selecting Each Rating				
		Never	Once	Occasionally	Frequently	Count
<b>Been publicly humiliated?</b>						
All Medical Schools	2016	78.8	12.6	8.2	0.5	13,886
All Medical Schools	2015	80.5	10.3	8.6	0.6	13,852
All Medical Schools	2014	77.3	12.4	9.6	0.7	13,253
All Medical Schools	2013	76.7	11.8	10.8	0.7	13,011
All Medical Schools	2012	65.7	16.9	16.3	1.0	12,033
<b>Been threatened with physical harm?</b>						
All Medical Schools	2016	98.6	1.0	0.3	0.1	13,891
All Medical Schools	2015	98.4	1.2	0.3	0.1	13,855
All Medical Schools	2014	98.3	1.3	0.3	0.1	13,325
All Medical Schools	2013	98.1	1.5	0.4	0.1	13,113
All Medical Schools	2012	98.5	1.1	0.4	0.0	12,180
<b>Been physically harmed?</b>						
All Medical Schools	2016	98.1	1.6	0.3	0.1	13,885
All Medical Schools	2015	97.9	1.8	0.3	0.0	13,857
All Medical Schools	2014	97.6	2.1	0.2	0.0	13,340
All Medical Schools	2013	97.6	2.1	0.3	0.1	13,115
All Medical Schools	2012	97.9	1.8	0.2	0.0	12,171
<b>Been required to perform personal services?</b>						
All Medical Schools	2016	94.3	3.8	1.7	0.1	13,901
All Medical Schools	2015	92.1	5.1	2.6	0.2	13,875
All Medical Schools	2014	91.9	4.7	3.1	0.3	13,323
All Medical Schools	2013	91.0	5.4	3.3	0.2	13,100
All Medical Schools	2012	90.6	5.7	3.5	0.2	12,150
<b>Been subjected to unwanted sexual advances?</b>						
All Medical Schools	2016	96.2	2.4	1.3	0.2	13,897
All Medical Schools	2015	95.3	2.6	2.0	0.1	13,868
All Medical Schools	2014	95.6	2.4	1.8	0.2	13,329
All Medical Schools	2013	95.3	2.7	1.8	0.2	13,098
All Medical Schools	2012	95.4	2.6	1.9	0.2	12,149
<b>Been asked to exchange sexual favors for grades or other rewards?</b>						
All Medical Schools	2016	99.8	0.1	0.1	0.1	13,895
All Medical Schools	2015	99.8	0.1	0.1	0.0	13,863
All Medical Schools	2014	99.8	0.1	0.1	0.0	13,338
All Medical Schools	2013	99.7	0.1	0.1	0.0	13,121
All Medical Schools	2012	99.8	0.1	0.1	0.0	12,170
<b>Been denied opportunities for training or rewards based on gender?</b>						
All Medical Schools	2016	94.4	2.6	2.6	0.4	13,892
All Medical Schools	2015	93.6	2.7	3.2	0.4	13,863
All Medical Schools	2014	94.5	2.4	2.8	0.3	13,318
All Medical Schools	2013	94.4	2.4	2.8	0.4	13,113
All Medical Schools	2012	94.1	2.4	3.1	0.4	12,154

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

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

		Percentage of Respondents Selecting Each Rating					
		Never	Once	Occasionally	Frequently	Count	
Been subjected to offensive sexist remarks/names?							
All Medical Schools	2016	87.1	6.3	6.1	0.5	13,891	
All Medical Schools	2015	85.9	5.9	7.6	0.6	13,862	
All Medical Schools	2014	86.8	5.2	7.4	0.6	13,297	
All Medical Schools	2013	85.7	6.0	7.6	0.7	13,058	
All Medical Schools	2012	84.3	6.4	8.7	0.7	12,093	
Received lower evaluations or grades solely because of gender rather than performance?							
All Medical Schools	2016	94.3	3.7	1.7	0.3	13,889	
All Medical Schools	2015	93.8	4.0	1.9	0.3	13,866	
All Medical Schools	2014	93.9	4.1	1.8	0.2	13,325	
All Medical Schools	2013	93.9	4.1	1.7	0.3	13,103	
All Medical Schools	2012	93.5	4.4	1.9	0.3	12,158	
Been denied opportunities for training or rewards based on race or ethnicity?							
All Medical Schools	2016	97.1	0.9	1.5	0.5	13,888	
All Medical Schools	2015	96.6	1.1	1.7	0.6	13,861	
All Medical Schools	2014	97.1	0.9	1.4	0.5	13,331	
All Medical Schools	2013	96.9	1.1	1.5	0.6	13,112	
All Medical Schools	2012	97.3	0.9	1.3	0.6	12,161	
Been subjected to racially or ethnically offensive remarks/names?							
All Medical Schools	2016	93.3	3.5	2.7	0.4	13,885	
All Medical Schools	2015	92.7	3.5	3.4	0.3	13,856	
All Medical Schools	2014	93.3	3.1	3.3	0.3	13,310	
All Medical Schools	2013	93.1	3.1	3.3	0.4	13,086	
All Medical Schools	2012	93.0	3.3	3.3	0.3	12,125	
Received lower evaluations or grades solely because of race or ethnicity rather than performance?							
All Medical Schools	2016	97.3	1.3	1.0	0.4	13,870	
All Medical Schools	2015	97.0	1.5	1.2	0.3	13,856	
All Medical Schools	2014	97.4	1.4	0.9	0.2	13,316	
All Medical Schools	2013	97.7	1.2	0.8	0.3	13,102	
All Medical Schools	2012	97.4	1.4	0.9	0.2	12,151	
Been denied opportunities for training or rewards based on sexual orientation?							
All Medical Schools	2016	99.5	0.2	0.2	0.1	13,878	
All Medical Schools	2015	99.5	0.2	0.3	0.1	13,853	
All Medical Schools	2014	99.4	0.2	0.3	0.1	13,324	
All Medical Schools	2013	99.5	0.1	0.2	0.1	13,102	
All Medical Schools	2012	99.6	0.2	0.1	0.0	12,148	
Been subjected to offensive remarks/names related to sexual orientation?							
All Medical Schools	2016	98.0	0.9	1.0	0.2	13,870	
All Medical Schools	2015	97.9	0.9	1.1	0.1	13,854	
All Medical Schools	2014	98.1	0.7	1.1	0.1	13,307	
All Medical Schools	2013	97.7	0.8	1.3	0.2	13,072	
All Medical Schools	2012	97.6	0.8	1.4	0.2	12,119	

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

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

		Percentage of Respondents Selecting Each Rating					
		Never	Once	Occasionally	Frequently	Count	
Received lower evaluations or grades solely because of sexual orientation rather than performance?							
All Medical Schools	2016	99.5	0.3	0.1	0.1	13,860	
All Medical Schools	2015	99.6	0.2	0.1	0.1	13,832	
All Medical Schools	2014	99.6	0.2	0.2	0.0	13,289	
All Medical Schools	2013	99.6	0.2	0.1	0.1	13,066	
All Medical Schools	2012	99.7	0.2	0.1	0.0	12,129	
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	2016	92.4	3.7	3.3	0.6	13,874	

		All Schools				
		2012	2013	2014	2015	2016
<b>40.</b>	<b>Percent of respondents who indicated they personally experienced any of the listed behaviors, excluding "publicly embarrassed." The data are derived from the responses to the survey question reported in Q39 above.</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes		42.1	39.9	38.7	38.1
	No		57.9	60.1	61.3	61.9
	Number of respondents		13,146	13,366	13,886	13,910

		Percent	Percent	Percent	Percent	Percent
<b>41.</b>	<b>Sources of "publicly humiliated"-only behaviors experienced personally, as percent of all who answered Q39 above, including those who indicated they "Never" experienced any of the listed behaviors. The actual question was: "Indicate below which person(s) engaged in the behavior that was directed at you. Check all that apply."</b>					
	Pre-clerkship faculty		0.9	0.8	0.7	0.8
	Clerkship faculty (classroom)		1.4	1.5	1.0	1.3
	Clerkship faculty (clinical setting)		14.1	14.0	12.1	12.9
	Resident/Intern		11.7	10.8	8.6	9.4
	Nurse		5.0	4.7	2.9	3.7
	Administrator		0.6	0.7	0.5	0.5
	Other institution employee		1.1	1.1	0.8	1.0
	Student		1.8	1.7	1.1	1.4
	Number of respondents		13,146	13,366	13,886	13,910



		All Schools				
		2012	2013	2014	2015	2016
<b>42.</b>	<b>Sources of behaviors experienced personally, excluding "publicly embarrassed" and "publicly humiliated," as percent of all who answered Q40 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."</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Pre-clerkship faculty	1.9	1.7	1.7	2.0	1.9
	Clerkship faculty (classroom)	1.8	1.9	1.9	2.3	2.2
	Clerkship faculty (clinical setting)	19.0	19.4	18.1	18.8	17.7
	Resident/Intern	19.4	18.6	17.2	17.2	14.4
	Nurse	5.0	4.4	4.4	4.2	3.5
	Administrator	1.6	1.6	1.5	1.6	1.5
	Other institution employee	3.1	3.4	3.1	4.0	3.3
	Student	4.4	4.3	4.7	5.8	4.9
	Number of respondents	12,195	13,146	13,366	13,886	13,910
<b>43.</b>	<b>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?</b>					
	<b>Note: The results include those who indicated they had personally experienced at least "Once" any of the behaviors, excluding "publicly embarrassed," listed in Q39 above.</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes		18.7	19.4	19.3	20.2
	No		81.3	80.6	80.7	79.8
	Number of respondents		5,487	5,292	5,310	5,277
<b>44.</b>	<b>To whom did you report the behavior(s)? Check all that apply.</b>					
	<b>Note: Only those who responded "Yes" to Q43 could respond to this item.</b>					
	<b>As multiple responses were permitted, totals may exceed 100%.</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Dean of Students		25.3	25.4	24.8	27.1
	Designated counselor/advocate/ombudsperson		17.0	17.0	19.5	18.8
	Other medical school administrator		20.5	23.7	22.1	23.1
	Faculty member		51.3	49.9	45.7	44.5
	Other		20.3	21.0	20.8	22.0
	Number of respondents		1,025	1,026	1,026	1,068

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

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

		Percentage of Respondents Selecting Each Rating					Count
		Very dissatisfied	Dissatisfied	Neutral	Satisfied	Very satisfied	
All Medical Schools	2016	13.7	16.8	27.4	24.6	17.5	1,062
All Medical Schools	2015	18.2	16.3	26.8	24.5	14.2	1,017
All Medical Schools	2014	14.7	17.2	30.1	24.4	13.7	1,018
All Medical Schools	2013	14.6	15.2	30.4	25.6	14.2	1,014

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

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

		All Schools				
		2012	2013	2014	2015	2016
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
The incident did not seem important enough to report		57.3	58.1	58.3	57.8	
I resolved the issue myself		19.4	19.5	19.2	17.5	
I did not think anything would be done about it		36.6	35.8	36.5	36.0	
Fear of reprisal		27.9	27.6	25.9	27.1	
I did not know what to do		11.8	10.3	9.1	9.0	
Other		7.6	7.7	9.3	9.0	
Number of respondents		5,538	5,331	5,369	5,305	

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

		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Yes		23.1	21.9	19.4	18.4	
No		76.9	78.1	80.6	81.6	
Number of respondents		13,146	13,367	13,874	13,903	

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

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

		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Yes		10.8	11.0	11.8	11.1	
No		89.2	89.0	88.2	88.9	
Number of respondents		3,015	2,910	2,678	2,547	

		All Schools				
		2012	2013	2014	2015	2016
<b>49.</b>	<b>Did you receive any scholarships, stipends, or grants (not loans) for medical school?</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes	63.3	61.6	61.4	61.2	62.7
	No	36.7	38.4	38.6	38.8	37.3
	Number of respondents	12,255	13,218	13,429	13,921	13,913
<b>50.</b>	<b>Scholarship Categories</b>					
	<b>Note: The upper reportable limits were \$750,000 (2013-2016) and \$500,000 (2012).</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	No scholarships (\$0)	37.4	39.2	39.6	39.5	38.0
	\$1 to \$24,999	34.6	31.9	30.7	29.8	32.4
	\$25,000 to \$49,999	8.9	8.4	9.0	9.4	9.9
	\$50,000 to \$74,999	4.7	5.1	5.4	5.2	5.1
	\$75,000 to \$99,999	2.7	2.9	2.7	2.9	2.5
	\$100,000 to \$149,999	4.1	4.3	4.8	4.6	4.3
	\$150,000 to \$199,999	2.5	2.8	2.4	2.3	2.2
	\$200,000 to \$299,999	3.2	3.6	3.5	3.9	3.8
	\$300,000 or more	1.8	1.9	1.9	2.3	1.9
	Number of respondents	12,031	12,945	13,102	13,685	13,665
	Median scholarship amount of those with scholarships	\$20,000	\$20,000	\$23,000	\$25,000	\$20,000
<b>51.</b>	<b>Do you have any outstanding educational loans for your college/premedical education?</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes	36.7	36.6	35.7	34.8	34.2
	No	63.3	63.4	64.3	65.2	65.8
	Number of respondents	12,235	13,204	13,409	13,913	13,905
<b>52.</b>	<b>Premedical Debt Categories</b>					
	<b>Note: The upper reportable limits were \$500,000 (2015-2016) and \$300,000 (2012-2014).</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	No debt (\$0)	64.1	64.4	65.5	66.1	66.7
	\$1 to \$24,999	22.5	21.1	19.9	16.6	15.9
	\$25,000 to \$49,999	7.4	7.1	7.2	7.7	7.9
	\$50,000 to \$74,999	2.9	3.3	3.4	3.8	3.5
	\$75,000 to \$99,999	1.2	1.4	1.4	1.7	1.7
	\$100,000 to \$149,999	1.1	1.3	1.5	1.8	2.0
	\$150,000 to \$199,999	0.5	0.6	0.5	1.0	0.7
	\$200,000 or more	0.4	0.6	0.7	1.3	1.5
	Median pre-medical debt of those reporting pre-medical debt	\$20,000	\$20,000	\$20,000	\$25,000	\$25,000
	Number of respondents	12,079	12,995	13,166	13,724	13,716

		All Schools				
		2012	2013	2014	2015	2016
<b>53.</b>	<b>Do you have any outstanding educational loans (including loan service commitments) for your medical school education?</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes	84.3	84.4	82.6	78.5	73.6
	No	15.7	15.6	17.4	21.5	26.4
	Number of respondents	12,212	13,165	13,354	13,902	13,884
<b>54.</b>	<b>Medical School Debt Categories</b>					
	<b>Note: The upper reportable limits were \$600,000 (2015-2016) and \$500,000 (2012-2014).</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	No debt (\$0)	15.9	15.9	17.9	22.0	26.9
	\$1 to \$49,999	9.1	9.5	8.8	8.4	5.7
	\$50,000 to \$99,999	9.1	8.7	8.2	7.5	6.6
	\$100,000 to \$149,999	15.5	14.1	13.1	11.7	11.5
	\$150,000 to \$199,999	23.1	21.9	19.5	17.7	16.9
	\$200,000 to \$299,999	24.0	25.9	27.1	26.5	25.5
	\$300,000 to \$399,999	2.9	3.8	4.8	5.7	6.2
	\$400,000 or more	0.3	0.3	0.6	0.5	0.8
	Number of respondents	11,997	12,866	12,979	13,616	13,610
	Median medical school debt of those reporting medical school debt	\$160,000	\$165,000	\$173,000	\$180,000	\$180,000
<b>55.</b>	<b>Total Educational Debt Categories</b>					
	<b>Note: Total educational debt is the sum of pre-medical debt and medical school debt. The displayed categories and averages are calculated using only records with complete responses to both questions. The upper reportable limits were \$1,100,000 (2015-2016) and \$800,000 (2012-2014).</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	No debt (\$0)	14.5	14.5	16.3	19.2	24.0
	\$1 to \$49,999	9.5	9.8	9.4	9.6	6.8
	\$50,000 to \$99,999	8.7	8.3	8.0	7.2	6.6
	\$100,000 to \$149,999	14.2	13.1	11.9	10.6	10.6
	\$150,000 to \$199,999	22.0	20.0	18.3	16.4	15.8
	\$200,000 to \$299,999	25.5	27.4	27.4	26.6	25.5
	\$300,000 to \$399,999	4.8	5.8	7.1	8.0	8.2
	\$400,000 to \$499,999	0.7	0.8	1.2	1.6	1.9
	\$500,000 or more	0.1	0.3	0.4	0.7	0.7
	Number of respondents	11,927	12,783	12,889	13,520	13,523
	Median educational debt of those reporting educational debt	\$170,000	\$175,000	\$180,000	\$185,000	\$190,000
<b>56.</b>	<b>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.)</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Yes				23.9	23.5
	No				76.1	76.5
	Number of respondents				13,886	13,879

	All Schools				
	2012	2013	2014	2015	2016
<b>57. Please list the amount of your non-educational, consumer debt.</b> <b>Note: Amounts totaling &gt; \$10,000,000 for mortgage and total debt were treated as invalid.</b>					
	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
No debt (\$0)				76.7	77.2
\$1 to \$24,999				15.5	15.9
\$25,000 to \$49,999				2.2	2.0
\$50,000 to \$74,999				0.6	0.5
\$75,000 to \$99,999				0.6	0.6
\$100,000 to \$149,999				1.7	1.3
\$150,000 or more				2.9	2.6
Number of respondents				13,789	13,760
Median non-educational debt of those reporting non-educational debt				\$15,000	\$12,000

<b>58. Please list the amount of your non-educational, consumer debt for each category listed below.</b> <b>Note: The number shown in each category is the median of those providing valid figures. Amounts totaling &gt; \$500,000 for credit cards, car loans, residency, and other loans were treated as invalid, and amounts totaling &gt; \$10,000,000 for mortgage and total debt were treated as invalid.</b>					
Credit cards				\$4,000	\$4,000
Number of respondents				2,083	2,069
Car loans				\$10,000	\$10,000
Number of respondents				1,177	1,144
Mortgage				\$140,000	\$145,500
Number of respondents				768	674
Residency and relocation loans				\$12,000	\$12,000
Number of respondents				675	571
Other consumer loans				\$7,000	\$10,000
Number of respondents				195	171
Total amount				\$15,000	\$12,000
Number of respondents				3,217	3,140

<b>59. Do you plan to enter into a loan-forgiveness program?</b>					
	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
Yes	29.4	38.1	39.7	39.9	44.3
No	70.6	61.9	60.3	60.1	55.7
Number of respondents	12,191	11,096	11,246	11,281	10,639

		All Schools				
		2012	2013	2014	2015	2016
<b>60.</b>	<b>Select the type of loan forgiveness program in which you plan to participate.</b>					
	<b>Note: Only those who selected "Yes" at Q59 could respond to this item.</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Department of Education's Public Service Loan Forgiveness (PSLF)	54.7	56.1	62.6	66.1	71.4
	National Health Service Corps	10.6	9.4	7.6	6.8	5.3
	Indian Health Service Corps	0.9	0.6	0.7	0.5	0.6
	Armed Services (Navy, Army, Air Force)	1.2	1.4	1.3	1.5	0.9
	Uniformed Service (CDC, HHS)	0.3	0.2	0.1	0.2	0.2
	State loan forgiveness program	10.9	11.3	10.1	8.8	8.8
	Hospital program (e.g., sign-on bonus)	12.8	13.6	11.8	10.7	8.5
	Private loan forgiveness program	1.6	1.1	0.9	0.7	0.7
	Other	7.0	6.3	4.9	4.7	3.6
	Number of respondents	3,551	4,167	4,415	4,403	4,638
<b>61.</b>	<b>Gender Identity:</b>					
	<b>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").</b>					
		<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
	Different gender identity from the sex assigned at birth					0.3
	Number of respondents					13,862
<b>62.</b>	<b>How do you self-identify?</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Bisexual					2.1
	Gay or lesbian					3.1
	Heterosexual or straight					94.8
	Number of respondents					13,806
<b>63.</b>	<b>Region of medical school:</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Northeast	30.0	30.1	29.7	29.5	28.8
	South	30.8	32.2	31.2	32.2	33.3
	Midwest	27.3	26.6	27.9	27.0	26.5
	West	12.0	11.0	11.2	11.3	11.5
	Number of respondents	13,681	14,836	14,877	14,939	15,232
<b>64.</b>	<b>Control of medical school:</b>					
		<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>	<u>Percent</u>
	Private	40.5	40.0	39.6	39.6	39.0
	Public	59.5	60.0	60.4	60.4	61.0
	Number of respondents	13,681	14,836	14,877	14,939	15,232

## 2016 GQ References

Each item number below refers to the question number in the 2016 GQ *All Schools Summary Report*.

### **Q17. Medical School Learning Environment Survey (MSLES)**

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

### **Q21. Tolerance for Ambiguity (TFA)**

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

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

### **Q22. Interpersonal Reactivity Index (IRI)**

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

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

### **Q23. Oldenburg Burnout Inventory for Medical Students Scale**

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