## Matriculating Student Questionnaire

## 2020 All Schools Summary Report

December 2020

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## 2020 AAMC Matriculating Student Questionnaire All Schools Summary Report \& Individual School Report

## Executive Summary

## Background

The Matriculating Student Questionnaire (MSQ) is administered annually by the Association of American Medical Colleges (AAMC) and collects information about entering medical students for the purpose of helping medical schools accredited by the U.S. Liaison Committee on Medical Education (LCME) improve medical education. The MSQ reports serve as benchmarking tools, and feedback from the MSQ helps medical schools plan their educational programs to fit the needs of their students. The All Schools Summary Report presents national data from the 2020 MSQ and includes national data from the 2019 and 2018 MSQs for comparison purposes, where comparison data are available. Some counts may change slightly from previous MSQ reports due to updates made to the MSQ data file. Copies of the All Schools Summary Report and the survey tool are publicly available on the AAMC website at www.aamc.org/data/msq.

In addition to receiving the All Schools Summary Report, each medical school is separately issued its own MSQ school report, which displays data for the medical school as well as the national data. By request, regional campuses and programs that offer specialized medical training under the aegis of an accredited institution are also issued MSQ campus reports if there are five or more student respondents from that campus or program. Campus reports are produced for each of the requested campuses and display data for the campus as well as data for the parent medical school (which includes data for all campuses combined). School and campus reports are made available to schools' authorized Student Surveys contacts, who have access via the AAMC Medical School Profile System (MSPS) web application at https://services.aamc.org/mspsreports. New requests for campus-level MSQ reports can be directed to msq@aamc.org.

## Methodology

The 2020 MSQ was open from June 1 through September 15, 2020. There were 22,702 individuals invited to participate via email in the 2020 MSQ online survey. These individuals were accepted for 2020 admission to any of the 155 U.S. LCME-accredited medical schools that enrolled students in 2020, including two new institutions enrolling students for the first time in 2020 (University of Houston College of Medicine and Kaiser Permanente Bernard J. Tyson School of Medicine).

The 2020 MSQ All Schools Summary Report includes responses from 16,956 individuals who consented to participate in the survey. Of these, 16,945 were ultimately 2020 matriculants (representing 76.2 of the 22,239 matriculants in 2020). The additional 11 respondents had effective matriculation dates prior to 2020 or were second-time enrollees who were asked by their medical schools to complete the 2020 MSQ. Excluded from the report are the 138 survey respondents who participated in the MSQ but did not matriculate to medical school in the 2020-2021 academic year. Survey data for participating individuals may not be comparable to data for non-participants. Comparing response rates among the 155 schools with matriculating students in 2020, there were three medical schools achieving a 100\% response rate among its matriculants; 31 medical schools with response rates between $90 \%$ and $99 \%$; 83 medical schools with response rates between $70 \%$ and $89 \%$; 25 medical schools with response rates between $50 \%$ and $69 \%$; 11 medical schools with response rates between $25 \%$ and $49 \%$; and two medical schools with a response rate below $25 \%$. Through a variety of measures, medical schools independently encouraged matriculating students to participate in the MSQ. The AAMC also sent notifications to these same students.

The MSQ includes questions used to better understand the lifestyles and personal characteristics of entering medical students. Some of these questions measure items such as tolerance for ambiguity, empathic concern, quality of life, and perceived stress. The scales included in the MSQ were chosen because prior research has shown how the corresponding measures impact medical education and medical care. Descriptions of each scale are provided within the All Schools Summary Report, since the number of items in each scale, and the way the scales are calculated, differ. A reliability estimate (Cronbach's alpha) is also provided as a measure of internal consistency, where applicable.

Percentages displayed in the report may not sum to 100 due to rounding or to questions permitting more than one response. All percentages are rounded. As a result, a percentage of " 0.0 " does not necessarily indicate that no student responded to that survey option.

## MSQ Content Changes

The MSQ continues to evolve as part of ongoing efforts to re-engineer and align the AAMC Student Surveys. For example, extensive changes were made to the content of the MSQ in 2013. In addition, minor changes were made to the MSQ in 2018, 2019, and 2020. For new survey items, comparisons to prior years cannot be made. Blank rows and columns indicate that comparable data are not available.

A few changes were made to the content of the 2020 MSQ. Questions related to the MCAT, as well as questions related to formal and informal mentor experiences, were removed from the 2020 survey.

## Selected Findings

The selected findings below reflect key items about matriculants that have been of interest to members of the academic medicine community; however, readers may also wish to examine the other items about matriculants that the tables in the report contain.

## Matriculants Reporting Educational Debt Dropped from 2019 to 2020.

In 2020, $32.1 \%$ of MSQ participants entered medical school already carrying educational debt. This is slightly lower than the findings from $2019(33.3 \%)$ and 2018 (33.6\%). For those carrying educational debt, the median total debt in 2020 remained the same as reported in 2019, $\$ 27,000$. The median parental income reported in 2020 by new medical students rose from $\$ 130,000$ in 2019 to $\$ 140,000$.

## The Age of MSQ Participants at Matriculation Continues to Rise.

The percentage of respondents aged 23 to 25 increased slightly to $51.9 \%$ in 2020 (up from $51.8 \%$ in 2019 and $49.9 \%$ in 2018), and respondents aged 20 to 22 upon matriculation dropped from $32.1 \%$ in 2019 to $31.8 \%$ in 2020. Similarly, well over half ( $66.3 \%$ ) of new matriculants reported that a year or more had passed since graduating from college (up from $63.4 \%$ in 2018 and 65.2\% in 2019).

## Over One-third of Matriculants are Interested in Generalist Specialties or their Subspecialties.

In 2020, 35.5\% of new medical students indicated plans to enter Family Medicine, Internal Medicine, Internal Medicine/Pediatrics, Obstetrics and Gynecology, or Pediatrics specialties or subspecialties. Of those who indicated an interest in those specialty areas, $47.7 \%$ are considering a career in a subspecialty, $27.2 \%$ are considering a career in primary care practice, $6.4 \%$ are considering a career as a hospitalist, and $18.6 \%$ are undecided.

## Matriculants are Interested in Working in Patient Care While Still Considering Work/Life Balance.

Almost all 2020 MSQ participants (97.6\%) indicated plans to participate in patient care during their career. Of those respondents, $15.6 \%$ anticipate working in patient care on a part-time basis (less than 36 hours a week). Over three-fifths (63.4\%) of MSQ participants indicated plans to participate in research during their career. Only $1.9 \%$ of 2020 MSQ participants who indicated plans to participate in research during their career expect to be involved in research on a full-time basis. Of those same participants, $45.2 \%$ expect to be "significantly involved" in research.

When asked to think about career paths after medical school, "work/life balance" (48.3\%), having a "stable, secure future" ( $44.7 \%$ ), and the "ability to pay off debt" ( $44.0 \%$ ) were most frequently cited as "essential" considerations. The career consideration that was most frequently reported as "not important" to new medical students was "social recognition or status" (43.5\%).

## The Median Number of Secondary/Supplemental Applications rises to 17 Applications in 2020.

The median number of secondary/supplemental applications completed rose from 15 applications in 2019 to 17 in 2020. Furthermore, $26.1 \%$ of MSQ respondents indicated submitting 25 or more secondary/supplemental applications, rising from $22.5 \%$ reported in 2019. When asked, in total, how much was spent on secondary/supplemental applications, the median cost reported by MSQ participants was $\$ 1,300$. The median number of interviews offered and the median number of interviews attended by MSQ respondents was three interviews. The median cost reported for attending those interviews was $\$ 600$ in 2020 . Additionally, over one-fifth ( $22.3 \%$ ) of MSQ respondents reported spending $\$ 2,000$ or more on interviews during the medical school application process.

## Medical School Matriculants Self-Report their Gender Identity and Sexual Orientation.

The percentage of those reporting a different gender identity from their sex assigned at birth in 2020 was $0.8 \%$. MSQ participants were also asked to self-identify their sexual orientation. In 2020, 6.1\% reported being "Bisexual" and 3.6\% reported being "Gay or lesbian," compared with $5.0 \%$ and $3.8 \%$ reported in 2019.

## Providing Feedback

We encourage constituents to provide feedback regarding the MSQ reports. If you would like to provide feedback, please contact msq@aamc.org.

Total number of students who responded to the questionnaire:

1. Sex:

Note: This information is populated from other AAMC data sources (e.g., American Medical College Application Service (AMCAS)).

|  | $\underline{P e r c e n t}$ | $\frac{P e r c e n t}{}$ | $\underline{P e r c e n t}$ |
| :--- | ---: | ---: | ---: | ---: |
| Male | 46.6 | 45.7 | 44.5 |
| Female | 53.4 | 54.2 | 55.4 |
| Number of respondents | 15,447 | 15,588 | 16,956 |

2. Age at matriculation:

Note: This information is populated from other AAMC data sources (e.g., AMCAS).

|  | Percent | Percent | Percent |
| :--- | ---: | ---: | ---: |
|  | 0.1 | 0.1 | 0.1 |
| 20 through 22 | 33.8 | 32.1 | 31.8 |
| 23 through 25 | 49.9 | 51.8 | 51.9 |
| 26 through 28 | 10.7 | 10.4 | 10.8 |
| Over 28 | 5.5 | 5.6 | 5.4 |
| Number of respondents | 15,447 | 15,588 | 16,956 |
| Median age at matriculation | 23 | 23 | 23 |

3. How do you self-identify?

Note: This information is populated from other AAMC data sources (e.g., AMCAS). Percentages may not sum to $100 \%$ as multiple responses are allowed. Race/ethnicity data are only displayed for U.S. citizens and permanent residents.

| American Indian or Alaska Native | 0.9 | 1.1 | 1.1 |
| :--- | ---: | ---: | ---: |
| Asian | 24.5 | 25.5 | 25.8 |
| Black or African American | 8.3 | 8.3 | 8.8 |
| Hispanic, Latino, or of Spanish origin | 11.0 | 11.1 | 12.4 |
| Native Hawaiian or Other Pacific Islander | 0.3 | 0.4 | 0.3 |
| White | 61.0 | 60.1 | 58.1 |
| Other | 3.3 | 3.3 | 3.9 |
| Non-U.S. citizen and non-permanent resident | 1.2 | 1.2 | 1.2 |
|  | 15,355 | 15,461 | 16,804 |


| All Medical Schools |  |  |
| :---: | ---: | ---: |
| 2018 | 2019 | 2020 |

## 4. What is your current marital status?

|  | Percent | Percent | Percent |
| :--- | ---: | ---: | ---: |
| Single (never legally married) | 91.3 | 91.2 | 92.4 |
| Legally married | 7.9 | 7.9 | 6.9 |
| Common law or civil union | 0.3 | 0.3 | 0.3 |
| Divorced | 0.4 | 0.5 | 0.3 |
| Separated, but still legally married | 0.1 | 0.1 | 0.1 |
| Widowed | 0.0 | 0.0 | 0.0 |
| Number of respondents | 14,441 | 14,492 | 15,932 |

5. How many dependents do you have (not including a spouse/partner)?

|  | Percent | Percent | Percent |
| :--- | ---: | ---: | ---: |
| None | 97.2 | 97.1 | 97.6 |
| One | 1.6 | 1.7 | 1.4 |
| Two | 0.8 | 0.8 | 0.7 |
| Three | 0.3 | 0.3 | 0.2 |
| Four or more | 0.1 | 0.1 | 0.1 |
| Number of respondents | 14,427 | 14,479 | 15,904 |

6. When did you definitely decide that you wanted to study medicine?

|  | Percent | Percent | Percent |
| :--- | ---: | ---: | ---: |
| Before high school | 22.2 | 23.2 | 22.8 |
| During high school/before college | 31.7 | 32.1 | 33.9 |
| During the first two years of college | 22.4 | 22.1 | 21.9 |
| During junior year in college | 9.6 | 9.1 | 8.6 |
| During senior year in college | 3.6 | 3.6 | 3.3 |
| After receiving a bachelor's degree | 8.7 | 8.0 | 7.9 |
| After receiving an advanced degree | 1.9 | 1.8 | 1.7 |
|  | 15,302 | 15,435 | 16,786 |

All Medical Schools
$2018 \quad 2019 \quad 2020$
7. Please indicate any experiences in which you have participated.

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

|  | Percent | Percent | Percent |
| :---: | :---: | :---: | :---: |
| Middle school premedical or science program | 9.1 | 9.3 | 9.7 |
| Magnet science/health science high school | 7.8 | 7.8 | 7.8 |
| Summer laboratory research apprenticeship for high school students | 12.2 | 13.1 | 13.5 |
| Classroom-based summer, after-school, or Saturday premedical program for high school students | 8.1 | 8.2 | 8.6 |
| Laboratory research apprenticeship for college students | 59.7 | 58.9 | 58.7 |
| Summer academic enrichment program for college students | 13.5 | 13.4 | 13.6 |
| MCAT preparation course | 55.2 | 52.3 | 49.2 |
| Non-degree post baccalaureate program to strengthen academic skills | 6.9 | 7.0 | 7.4 |
| Non-degree post baccalaureate program to complete premedical requirements | 8.0 | 8.0 | 7.7 |
| Volunteered in the healthcare field | 92.1 | 92.9 | 92.9 |
| Volunteered in a non-healthcare field | 86.3 | 87.7 | 88.2 |
| International volunteer experience | 35.1 | 34.3 | 32.9 |
| Shadowed a physician or other healthcare professional | 95.2 | 95.6 | 95.4 |
| None of the above | 0.2 | 0.2 | 0.2 |
| Number of respondents | 15,319 | 15,444 | 16,797 |

8. During your undergraduate experience, how often did you gain a deeper understanding of other perspectives through conversations with fellow students because:
Note: Respondents who indicated "Somewhat often," "Often," or "Very often" are combined and displayed as "Often".

|  |  | Percentage of Respondents Selecting Each Rating |  |  |  | Count |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Never | Rarely | Occasionally | Often |  |
| Their religious beliefs were different from yours |  |  |  |  |  |  |
| All Medical Schools | 2020 | 2.2 | 10.5 | 26.0 | 61.3 | 16,561 |
| All Medical Schools | 2019 | 2.6 | 11.5 | 27.0 | 59.0 | 15,254 |
| All Medical Schools | 2018 | 3.0 | 11.3 | 27.8 | 57.9 | 15,112 |
| Their political opinions were different from yours |  |  |  |  |  |  |
| All Medical Schools | 2020 | 1.2 | 9.8 | 23.6 | 65.4 | 16,551 |
| All Medical Schools | 2019 | 1.5 | 11.1 | 24.8 | 62.7 | 15,239 |
| All Medical Schools | 2018 | 1.6 | 10.7 | 25.5 | 62.3 | 15,115 |
| Their nationality was different from yours |  |  |  |  |  |  |
| All Medical Schools | 2020 | 0.8 | 6.1 | 16.3 | 76.8 | 16,534 |
| All Medical Schools | 2019 | 1.1 | 6.5 | 17.9 | 74.5 | 15,245 |
| All Medical Schools | 2018 | 1.0 | 6.6 | 18.6 | 73.8 | 15,114 |
| Their primary language was different from yours |  |  |  |  |  |  |
| All Medical Schools | 2020 | 4.1 | 24.5 | 26.7 | 44.6 | 16,534 |
| All Medical Schools | 2019 | 4.5 | 25.3 | 26.0 | 44.2 | 15,250 |
| All Medical Schools | 2018 | 4.4 | 24.4 | 27.7 | 43.5 | 15,105 |
| Their race or ethnicity was different from yours |  |  |  |  |  |  |
| All Medical Schools | 2020 | 0.7 | 4.3 | 14.7 | 80.3 | 16,518 |
| All Medical Schools | 2019 | 1.0 | 5.1 | 16.9 | 77.0 | 15,240 |
| All Medical Schools | 2018 | 1.1 | 5.6 | 17.4 | 75.8 | 15,084 |

8. During your undergraduate experience, how often did you gain a deeper understanding of other perspectives through conversations with fellow students because:
Note: Respondents who indicated "Somewhat often," "Often," or "Very often" are combined and displayed as "Often". (Continued)

|  |  | Percentage of Respondents Selecting Each Rating |  |  |  | Count |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Never | Rarely | Occasionally | Often |  |
| Their sexual orientation was different from yours |  |  |  |  |  |  |
| All Medical Schools | 2020 | 2.0 | 12.6 | 23.7 | 61.8 | 16,530 |
| All Medical Schools | 2019 | 2.7 | 14.1 | 24.5 | 58.7 | 15,234 |
| All Medical Schools | 2018 | 3.2 | 14.8 | 25.7 | 56.3 | 15,096 |
| Their socioeconomic background was different from yours |  |  |  |  |  |  |
| All Medical Schools | 2020 | 0.8 | 5.0 | 18.2 | 76.1 | 16,513 |
| All Medical Schools | 2019 | 0.9 | 5.6 | 19.5 | 74.0 | 15,216 |
| All Medical Schools | 2018 | 1.0 | 6.0 | 21.2 | 71.8 | 15,087 |
| Their physical abilities were different from yours |  |  |  |  |  |  |
| All Medical Schools | 2020 | 5.5 | 30.0 | 26.1 | 38.4 | 16,527 |
| All Medical Schools | 2019 | 5.5 | 28.4 | 26.4 | 39.7 | 15,226 |
| All Medical Schools | 2018 | 5.7 | 27.6 | 27.6 | 39.1 | 15,085 |
| Their age was different from yours |  |  |  |  |  |  |
| All Medical Schools | 2020 | 4.3 | 27.0 | 26.1 | 42.6 | 16,537 |
| All Medical Schools | 2019 | 4.7 | 27.7 | 26.1 | 41.5 | 15,236 |
| All Medical Schools | 2018 | 4.7 | 27.1 | 27.1 | 41.1 | 15,099 |


| All Medical Schools |  |  |
| :--- | :--- | :--- |
| $2018 \quad 2019 \quad 2020$ |  |  |

9. How many years have passed since you graduated from college?

|  | Percent | Percent | Percent |
| :--- | ---: | ---: | ---: | ---: |
| Less than 1 year | 36.7 | 34.8 | 33.7 |
| 1-2 years | 42.7 | 43.9 | 44.1 |
| $3-4$ years | 12.6 | 13.4 | 13.9 |
| 5 or more years | 8.1 | 7.9 | 8.3 |
|  | 14,997 | 15,151 | 16,668 |


\section*{All Medical Schools <br> | 20182019 | 2020 |
| :--- | :--- |}

10. How did you spend your time between college and medical school?

Note: Percentages may not sum to $100 \%$ as multiple responses are allowed. Only those who responded "1-2 years," "3-4 years," or " 5 or more years" to Q9 could respond to this item.

|  | Percent | Percent | Percent |
| :--- | ---: | ---: | ---: | ---: |
| Worked at another career | 51.2 | 53.3 | 48.5 |
| Worked to improve finances | 37.2 | 38.5 | 39.8 |
| Continued coursework to fulfill premedical requirements | 13.9 | 13.7 | 13.5 |
| Took premedical courses for the first time | 7.0 | 6.4 | 5.7 |
| Pursued graduate studies | 23.8 | 23.0 | 23.2 |
| Worked/volunteered internationally | 12.4 | 11.9 | 9.7 |
| Worked/volunteered in research | 46.5 | 45.4 | 47.8 |
| Helped fulfill family obligations | 20.1 | 22.2 | 21.8 |
| Other | 13.7 | 14.2 | 13.7 |
|  | 9,472 | 9,853 | 11,028 |

Personal Characteristics - The following scales are used to help member medical schools learn about the lifestyles and personal characteristics of entering medical students. Descriptions of each scale are provided, as the number of items in each scale and the way the scales are calculated differ.

## 11. 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 often considered to be reliable if the estimate is 0.7 or higher.

| Tolerance for Ambiguity (TFA) Scale | Reliability | Standard <br> Deviation |  |  | Count |
| :--- | :---: | :---: | :---: | :---: | :---: |
| All Medical Schools | 2020 | 0.7 | 25.0 | 5.4 | 16,075 |
| All Medical Schools | 2019 | 0.7 | 24.9 | 5.6 | 14,681 |
| All Medical Schools | 2018 | 0.7 | 24.9 | 5.7 | 14,544 |

## 12. 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 MSQ purposes, the IRI consists of two subscales - perspective taking and empathic concern - which each include 7 items. IRI scores are calculated by summing across 14 items, which are measured on a $0-4$ point scale. The possible range of scores is 0 to 56 , 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 often considered to be reliable if the estimate is 0.7 or higher.

| Interpersonal Reactivity Index (IRI) | Reliability | Standard <br> Estimate |  | Mean | Deviation |
| :--- | :---: | :---: | :---: | :---: | :---: |
| All Medical Schools | 2020 | 0.8 | 44.0 | 6.1 | 15,465 |
| All Medical Schools | 2019 | 0.8 | 43.3 | 6.4 | 14,102 |
| All Medical Schools | 2018 | 0.8 | 43.0 | 6.5 | 13,997 |

## 13. Quality of Life (QOL) Scale

The Quality of Life (QOL) scale, which includes items from the Linear Analogue Self-Assessment Scale (LASA-6), is a measure of the following aspects of life: overall quality of life, mental (intellectual) well-being, physical well-being, emotional well-being, level of social activity, and spiritual well-being. The QOL questions ask about feelings during the last week. QOL scores are calculated by summing across the 6 items, which are measured on a $0-10$ point scale. The possible range of scores is 0 to 60, and higher scores are correlated with higher quality of life. Only participants who responded to every item on the scale are included in the summary statistics. The mean QOL 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.

| Quality of Life (QOL) Scale |  | Reliability Estimate | Mean | Standard Deviation | Count |
| :---: | :---: | :---: | :---: | :---: | :---: |
| All Medical Schools | 2020 | 0.8 | 44.2 | 8.1 | 15,761 |
| All Medical Schools | 2019 | 0.9 | 46.0 | 7.8 | 14,394 |
| All Medical Schools | 2018 | 0.9 | 46.3 | 7.5 | 14,278 |

## Additional Quality of Life (QOL) Scales

Additional Quality of Life (QOL) items are also taken from the Linear Analogue Self-Assessment Scale (LASA) and are distinc measures of the following aspects of life: level of fatigue, level of social support from family and friends, and level of financial concerns. The QOL questions ask about feelings during the last week, and the scores are calculated individually on 0-10 point scales. The possible range of scores is 0 to 10, and higher scores represent more positive outcomes: no fatigue, higher levels of social support from family and friends, and no financial concerns. The summary statistics displayed below include the mean score, the standard deviation, and the number of respondents. Because the additional QOL items are calculated individually, the internal consistency estimate is not provided.

| QOL - Level of fatigue ( $\mathbf{0}$ Constant tiredness, $\mathbf{1 0}=$ No fatigue) | Mean | Standard <br> Deviation | Count |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| All Medical Schools | 2020 | 6.1 | 2.2 | 15,977 |
| All Medical Schools | 2019 | 6.0 | 2.3 | 14,564 |
| All Medical Schools | 2018 | 6.1 | 2.2 | 14,479 |

13. Quality of Life (QOL) Scale (Continued)

| QOL - Level of social support from family and friends ( $0=$ No support, 10 = Highest level of support) |  | Mean | Standard Deviation | Count |
| :---: | :---: | :---: | :---: | :---: |
| All Medical Schools | 2020 | 8.5 | 1.7 | 15,981 |
| All Medical Schools | 2019 | 8.5 | 1.7 | 14,565 |
| All Medical Schools | 2018 | 8.6 | 1.7 | 14,461 |
| QOL - Level of financial concerns ( $0=$ Constant concerns, $10=$ No concerns) |  | Mean | Standard Deviation | Count |
| All Medical Schools | 2020 | 5.7 | 2.9 | 15,982 |
| All Medical Schools | 2019 | 5.4 | 2.9 | 14,568 |
| All Medical Schools | 2018 | 5.4 | 2.9 | 14,478 |

## 14. Perceived Stress Scale (PSS)

The Perceived Stress Scale (PSS) is a widely used instrument for measuring the perception of stress. The scale measures the degree to which situations in one's life are considered stressful. The scale also includes a number of direct questions about current levels of experienced stress. The questions in the PSS ask about feelings and thoughts during the last month. In each case, respondents are asked how often they felt a certain way. PSS scores are calculated by summing across 4 items, which are measured on a 0-4 point scale. The possible range of scores is 0 to 16 , and higher scores are correlated with higher perceived levels of stress. Only participants who responded to every item on the scale are included in the summary statistics. The mean PSS 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.

| Perceived Stress Scale (PSS) |  | Reliability Estimate | Mean | Standard <br> Deviation | Count |
| :---: | :---: | :---: | :---: | :---: | :---: |
| All Medical Schools | 2020 | 0.7 | 5.1 | 2.6 | 15,788 |
| All Medical Schools | 2019 | 0.8 | 4.6 | 2.6 | 14,379 |
| All Medical Schools | 2018 | 0.8 | 4.4 | 2.5 | 14,321 |


| All Medical Schools |  |  |
| :---: | :---: | :---: |
| 2018 | 2019 | 2020 |

15. Have you been accepted to more than one medical school?

|  | $\frac{P r e r c e n t}{}$ | $\frac{P e r c e n t}{}$ | $\frac{\text { Percent }}{}$ |
| :--- | ---: | ---: | ---: | ---: |
| Yes | 53.9 | 52.6 | 52.8 |
| No | 46.1 | 47.4 | 47.2 |
| Number of respondents | 14,507 | 14,586 | 16,000 |

16. In choosing the medical school you now (or will) attend, how important were the following factors?

Note: Only those who responded "Yes" to Q15 could respond to this item.

|  |  | Percentage of Respondents Selecting Each Rating |  |  |  |  | Count |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Not applicable | Not important | Somewhat important | Important | Very important |  |
| General Factors |  |  |  |  |  |  |  |
| General reputation of the school |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 0.2 | 2.0 | 18.8 | 46.2 | 32.8 | 8,372 |
| All Medical Schools | 2019 | 0.2 | 2.3 | 19.6 | 45.4 | 32.4 | 7,603 |
| All Medical Schools | 2018 | 0.3 | 2.1 | 18.1 | 46.2 | 33.3 | 7,751 |
| Research reputation of the school |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 0.4 | 15.9 | 27.8 | 33.5 | 22.4 | 8,364 |
| All Medical Schools | 2019 | 0.4 | 18.3 | 29.8 | 30.9 | 20.6 | 7,597 |
| All Medical Schools | 2018 | 0.5 | 18.4 | 29.7 | 31.1 | 20.3 | 7,742 |
| Interviews/meetings with faculty |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 0.5 | 3.1 | 16.0 | 39.3 | 41.0 | 8,364 |
| All Medical Schools | 2019 | 0.6 | 3.6 | 16.7 | 38.8 | 40.3 | 7,597 |
| All Medical Schools | 2018 | 0.5 | 3.7 | 16.3 | 40.0 | 39.5 | 7,739 |
| Interviews/meetings with administrators |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 2.1 | 8.7 | 26.2 | 35.2 | 27.9 | 8,364 |
| All Medical Schools | 2019 | 2.7 | 9.6 | 26.1 | 35.5 | 26.1 | 7,594 |
| All Medical Schools | 2018 | 2.9 | 9.9 | 27.1 | 34.9 | 25.2 | 7,734 |
| Interviews/meetings with students |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 0.8 | 3.0 | 14.1 | 35.1 | 47.0 | 8,337 |
| All Medical Schools | 2019 | 0.8 | 2.7 | 13.7 | 34.3 | 48.4 | 7,565 |
| All Medical Schools | 2018 | 0.9 | 3.1 | 13.5 | 34.0 | 48.6 | 7,720 |
| Geographic location of the school |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 0.2 | 5.1 | 15.6 | 30.5 | 48.6 | 8,371 |
| All Medical Schools | 2019 | 0.3 | 4.9 | 16.0 | 30.8 | 48.0 | 7,600 |
| All Medical Schools | 2018 | 0.2 | 5.1 | 16.2 | 30.3 | 48.2 | 7,752 |
| Financial considerations/cost of attending |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 2.6 | 8.3 | 16.1 | 24.4 | 48.6 | 8,371 |
| All Medical Schools | 2019 | 2.6 | 7.7 | 16.4 | 23.1 | 50.2 | 7,600 |
| All Medical Schools | 2018 | 2.6 | 9.1 | 17.6 | 23.0 | 47.6 | 7,753 |
| Amount of financial support offered |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 7.6 | 11.3 | 18.4 | 23.0 | 39.6 | 8,362 |
| All Medical Schools | 2019 | 7.2 | 10.6 | 18.5 | 22.3 | 41.3 | 7,593 |
| All Medical Schools | 2018 | 8.6 | 12.2 | 19.1 | 22.1 | 38.1 | 7,744 |

16. In choosing the medical school you now (or will) attend, how important were the following factors? Note: Only those who responded "Yes" to Q15 could respond to this item. (Continued)

|  |  | Percentage of Respondents Selecting Each Rating |  |  |  |  | Count |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Not applicable | Not important | Somewhat important | Important | Very important |  |
| General Factors |  |  |  |  |  |  |  |
| Quality of the medical school facilities |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 0.2 | 2.3 | 15.2 | 42.4 | 39.8 | 8,359 |
| All Medical Schools | 2019 | 0.1 | 2.3 | 14.9 | 41.5 | 41.3 | 7,583 |
| All Medical Schools | 2018 | 0.2 | 2.1 | 14.8 | 42.3 | 40.5 | 7,740 |
| Personal experience with the school |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 3.7 | 7.7 | 13.5 | 28.4 | 46.7 | 8,335 |
| All Medical Schools | 2019 | 4.0 | 7.5 | 12.5 | 26.6 | 49.3 | 7,562 |
| All Medical Schools | 2018 | 3.9 | 7.1 | 12.7 | 26.9 | 49.4 | 7,716 |
| Programs for minority and/or disadvantaged students |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 12.6 | 17.2 | 26.7 | 24.5 | 19.0 | 8,355 |
| All Medical Schools | 2019 | 16.2 | 24.2 | 25.1 | 18.9 | 15.5 | 7,589 |
| All Medical Schools | 2018 | 17.2 | 25.8 | 25.5 | 18.1 | 13.4 | 7,739 |
| Diversity of the student body |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 1.2 | 9.6 | 22.1 | 35.1 | 32.0 | 8,356 |
| All Medical Schools | 2019 | 1.4 | 13.6 | 24.6 | 32.4 | 28.0 | 7,592 |
| All Medical Schools | 2018 | 1.4 | 15.1 | 25.4 | 33.0 | 25.2 | 7,747 |
| Diversity of the faculty |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 1.4 | 13.3 | 26.4 | 33.4 | 25.6 | 8,336 |
| All Medical Schools | 2019 | 1.5 | 18.2 | 28.9 | 29.5 | 21.9 | 7,575 |
| All Medical Schools | 2018 | 1.8 | 20.1 | 29.3 | 29.5 | 19.4 | 7,727 |

## School's Medical Education Program

| School's teaching methods/curricula |  |  |  |  |  |  |  |
| :--- | :---: | :--- | :--- | :--- | :--- | :--- | :--- |
| All Medical Schools | 2020 | 0.1 | 2.8 | 15.7 | 41.7 | 39.7 | 8,343 |
| All Medical Schools | 2019 | 0.2 | 2.8 | 15.8 | 39.9 | 41.3 | 7,580 |
| All Medical Schools | 2018 | 0.2 | 3.1 | 14.9 | 41.6 | 40.2 | 7,725 |
| Program of elective courses |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 0.7 | 11.0 | 30.0 | 37.5 | 20.8 | 8,290 |
| All Medical Schools | 2019 | 0.8 | 11.5 | 30.0 | 37.2 | 20.4 | 7,534 |
| All Medical Schools | 2018 | 0.8 | 11.7 | 30.3 | 37.4 | 19.8 | 7,695 |
| Medical ethics/medical humanties emphasis |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 0.8 | 14.4 | 28.0 | 34.0 | 22.9 | 8,254 |
| All Medical Schools | 2019 | 1.0 | 17.4 | 30.2 | 31.3 | 20.1 | 7,506 |
| All Medical Schools | 2018 | 1.0 | 17.3 | 29.7 | 31.9 | 20.1 | 7,658 |
| Dual Degree opportunity such as PhD, MPH, MPA, JD or MBA |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 11.4 | 44.0 | 20.5 | 11.6 | 12.5 | 8,290 |
| All Medical Schools | 2019 | 11.0 | 45.1 | 20.8 | 11.1 | 12.0 | 7,535 |
| All Medical Schools | 2018 | 10.5 | 45.0 | 20.7 | 11.4 | 12.4 | 7,697 |
| Research experience/opportunity |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 0.5 | 8.1 | 21.9 | 33.5 | 36.0 | 8,216 |
| All Medical Schools | 2019 | 0.5 | 10.3 | 25.3 | 31.7 | 32.2 | 7,472 |
| All Medical Schools | 2018 | 0.5 | 11.4 | 24.4 | 32.6 | 31.2 | 7,623 |

16. In choosing the medical school you now (or will) attend, how important were the following factors? Note: Only those who responded "Yes" to Q15 could respond to this item. (Continued)

|  |  | Percentage of Respondents Selecting Each Rating |  |  |  |  | Count |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Not applicable | Not important | Somewhat important | Important | Very important |  |
| Rural medicine experience/opportunity |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 4.2 | 51.5 | 24.5 | 13.0 | 6.7 | 8,324 |
| All Medical Schools | 2019 | 4.0 | 52.0 | 25.3 | 12.5 | 6.2 | 7,567 |
| All Medical Schools | 2018 | 4.0 | 53.3 | 23.9 | 12.5 | 6.2 | 7,729 |
| Community-based medicine experience/opportunity |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 0.6 | 10.4 | 19.1 | 35.2 | 34.7 | 8,296 |
| All Medical Schools | 2019 | 1.1 | 12.5 | 22.3 | 34.4 | 29.8 | 7,554 |
| All Medical Schools | 2018 | 1.1 | 13.2 | 22.0 | 34.5 | 29.2 | 7,714 |
| Family medicine experience/opportunity |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 1.9 | 31.6 | 33.6 | 20.9 | 12.1 | 8,264 |
| All Medical Schools | 2019 | 2.2 | 32.5 | 34.2 | 20.7 | 10.5 | 7,521 |
| All Medical Schools | 2018 | 1.9 | 33.2 | 32.8 | 20.2 | 11.9 | 7,674 |

Other Educational Factors

| Desire to attend school within my home state |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| All Medical Schools | 2020 | 7.5 | 29.1 | 15.1 | 17.0 | 31.4 | 8,358 |
| All Medical Schools | 2019 | 7.7 | 27.4 | 15.7 | 18.4 | 30.8 | 7,585 |
| All Medical Schools | 2018 | 7.6 | 28.8 | 16.0 | 17.5 | 30.2 | 7,747 |
| Sense of safety |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 1.0 | 11.2 | 22.6 | 36.5 | 28.7 | 8,350 |
| All Medical Schools | 2019 | 1.4 | 11.2 | 22.4 | 35.2 | 29.8 | 7,578 |
| All Medical Schools | 2018 | 1.6 | 12.5 | 24.2 | 35.3 | 26.4 | 7,732 |
| Influence of spouse/partner |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 47.6 | 15.7 | 13.5 | 11.3 | 12.0 | 8,352 |
| All Medical Schools | 2019 | 45.3 | 16.9 | 12.7 | 11.6 | 13.5 | 7,574 |
| All Medical Schools | 2018 | 46.8 | 16.5 | 12.9 | 11.3 | 12.6 | 7,741 |
| Faculty mentorship at the school |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 4.3 | 6.6 | 19.9 | 38.6 | 30.7 | 8,341 |
| All Medical Schools | 2019 | 4.7 | 8.3 | 22.0 | 36.1 | 28.9 | 7,571 |
| All Medical Schools | 2018 | 4.8 | 8.9 | 22.9 | 36.8 | 26.5 | 7,732 |
| Ability of the school to place students in particular residency programs |  |  |  |  |  |  |  |
| All Medical Schools | 2020 | 1.0 | 4.8 | 15.3 | 32.1 | 46.8 | 8,349 |
| All Medical Schools | 2019 | 1.0 | 5.0 | 15.6 | 30.7 | 47.7 | 7,579 |
| All Medical Schools | 2018 | 1.0 | 5.2 | 14.7 | 31.7 | 47.4 | 7,733 |


| All Medical Schools |  |  |
| :---: | ---: | ---: |
| 2018 | 2019 | 2020 |

17. In which of the following activities do you plan to participate during your career?
Note: Percentages may not sum to $100 \%$ as multiple responses are allowed.

|  | Percent | $\underline{\text { Percent }}$ | $\underline{\text { Percent }}$ |
| :--- | ---: | ---: | ---: | ---: |
| Patient Care | 97.7 | 97.4 | 97.6 |
| Research | 61.2 | 61.9 | 63.4 |
| Teaching | 54.6 | 55.3 | 55.2 |
| Medical School Faculty | 31.1 | 30.4 | 30.0 |
| Administration (e.g., Department Chair, Dean) | 20.6 | 20.8 | 21.1 |
| Military Service | 5.0 | 4.9 | 4.5 |
| Public Health | 42.4 | 43.0 | 45.6 |
| Other | 2.6 | 2.7 | 2.3 |
|  | 14,466 | 14,526 | 15,941 |

18. Do you anticipate providing patient care full time or part time?

Note: Only those who responded "Yes" to plans to participate in Patient Care in Q17 could respond to this item.

|  | $\frac{P e r c e n t}{}$ | $\frac{P e r c e n t}{}$ | $\underline{\text { Percent }}$ |
| :--- | ---: | ---: | ---: |
| Full time (at least 36 hours a week) | 84.3 | 83.9 | 84.4 |
| Part time (less than 36 hours a week) | 15.7 | 16.1 | 15.6 |
| Number of respondents | 14,051 | 14,077 | 15,495 |

19. How exclusively do you expect to be involved in research?

Note: Only those who responded "Yes" to plans to participate in Research in Q17 could respond to this item.
Full time
Significantly involved
Involved in a limited way

| Percent |  | Percent |  | Percent |
| ---: | ---: | ---: | ---: | ---: |
|  | 2.2 |  | 2.2 | 1.9 |
| 44.0 |  | 43.6 | 45.2 |  |
| 53.8 | 54.2 | 52.8 |  |  |
| 8,830 | 8,963 | 10,076 |  |  |


\section*{All Medical Schools <br> | $2018 \quad 2019$ | 2020 |
| :--- | :--- | :--- |}

20. What general specialty are you considering?

|  | Percent | Percent | Percent |
| :---: | :---: | :---: | :---: |
| Anesthesiology or subspecialty | 2.1 | 2.3 | 2.5 |
| Child Neurology |  | 0.7 | 0.7 |
| Dermatology or subspecialty | 2.9 | 2.8 | 3.3 |
| Emergency Medicine or subspecialty | 8.4 | 8.6 | 8.5 |
| Family Medicine or subspecialty | 4.9 | 5.0 | 4.8 |
| Internal Medicine or subspecialty | 13.2 | 13.1 | 13.5 |
| Internal Medicine/Pediatrics | 2.4 | 2.3 | 2.2 |
| Medical Genetics or subspecialty | 0.3 | 0.2 | 0.3 |
| Neurological Surgery | 2.4 | 2.6 | 2.7 |
| Neurology or subspecialty | 3.5 | 2.7 | 2.9 |
| Nuclear Medicine | 0.0 | 0.0 | 0.0 |
| Obstetrics and Gynecology or subspecialty | 5.5 | 6.4 | 6.5 |
| Ophthalmology or subspecialty | 1.8 | 2.1 | 2.1 |
| Orthopaedic Surgery or subspecialty | 7.3 | 7.2 | 7.3 |
| Otolaryngology or subspecialty | 1.2 | 1.3 | 1.2 |
| Pathology or subspecialty | 0.6 | 0.6 | 0.6 |
| Pediatrics or subspecialty | 9.5 | 9.0 | 8.5 |
| Physical Medicine and Rehabilitation or subspecialty | 0.6 | 0.7 | 0.8 |
| Plastic Surgery or subspecialty | 1.3 | 1.2 | 1.3 |
| Preventive Medicine or subspecialty | 0.3 | 0.3 | 0.3 |
| Psychiatry or subspecialty | 2.4 | 2.8 | 2.6 |
| Radiation Oncology | 1.0 | 1.0 | 0.8 |
| Radiology or subspecialty | 1.6 | 1.6 | 1.8 |
| Surgery or subspecialty | 8.0 | 7.5 | 7.3 |
| Thoracic Surgery or subspecialty | 0.9 | 1.0 | 1.0 |
| Urology or subspecialty | 0.5 | 0.6 | 0.4 |
| Vascular Surgery | 0.3 | 0.2 | 0.3 |
| Undecided | 17.1 | 15.9 | 15.8 |
| I do not plan to practice medicine | 0.0 | 0.0 | 0.0 |
| Number of respondents | 14,464 | 14,521 | 15,942 |

All Medical Schools
$2018 \quad 2019 \quad 2020$
21. You selected an interest in Family Medicine, Internal Medicine, Internal Medicine/Pediatrics, Obstetrics and Gynecology, or Pediatrics. What career are you considering?
Note: Only those who responded "Family Medicine," "Internal Medicine," "Internal Medicine/Pediatrics," "Obstetrics and Gynecology," or "Pediatrics" to Q20 could respond to this item.

|  | Percent | Percent | Percent |
| :--- | ---: | ---: | ---: | ---: |
| Primary care practice (e.g., office-based continuing care in general <br> Internal Medicine) | 25.7 | 27.5 | 27.2 |
| Hospitalist (i.e., full-time care of hospitalized patients) <br> Sub-specialty (e.g., Cardiology, Pediatric Oncology, Maternal and Fetal <br> Medicine) <br> Undecided | 6.3 | 6.1 | 6.4 |
| Number of respondents | 49.2 | 49.3 | 47.7 |

22. Where do you hope to WORK after completing your medical training?

|  | Percent | Percent |  | Percent |
| :--- | ---: | ---: | ---: | ---: |
|  |  | 0.8 |  |  |
| Alabama | 0.7 | 0.7 |  |  |
| Alaska | 0.2 | 0.2 | 0.1 |  |
| Arizona | 0.8 | 0.9 | 0.8 |  |
| Arkansas | 0.2 | 0.2 | 0.2 |  |
| California | 15.4 | 12.6 | 13.0 |  |
| Colorado | 2.3 | 2.4 | 2.0 |  |
| Connecticut | 0.3 | 0.4 | 0.4 |  |
| Delaware | 0.0 | 0.1 | 0.0 |  |
| District of Columbia | 1.3 | 0.8 | 0.8 |  |
| Florida | 4.0 | 3.4 | 3.4 |  |
| Georgia | 2.4 | 2.3 | 1.7 |  |
| Hawaii | 0.4 | 0.5 | 0.5 |  |
| Idaho | 0.2 | 0.2 | 0.2 |  |
| Illinois | 4.0 | 2.9 | 3.0 |  |
| Indiana | 0.7 | 0.6 | 0.7 |  |
| lowa | 0.3 | 0.2 | 0.2 |  |
| Kansas | 0.8 | 0.6 | 0.6 |  |
| Kentucky | 1.0 | 0.8 | 0.9 |  |
| Louisiana | 0.9 | 0.8 | 0.9 |  |
| Maine | 0.2 | 0.1 | 0.2 |  |
| Maryland | 1.3 | 1.0 | 1.0 |  |
| Massachusetts | 4.0 | 3.7 | 3.2 |  |
| Michigan | 2.3 | 2.1 | 2.1 |  |
| Minnesota | 1.7 | 1.3 | 1.2 |  |
| Mississippi | 0.4 | 0.4 | 0.5 |  |
| Missouri | 0.8 | 0.6 | 0.6 |  |
| Montana | 0.3 | 0.3 | 0.2 |  |
| Nebraska | 0.4 | 0.4 | 0.4 |  |
| Nevada | 0.5 | 0.5 | 0.4 |  |
| New Hampshire | 0.1 | 0.1 | 0.1 |  |
| New Jersey | 1.3 | 1.0 | 0.9 |  |
| New Mexico | 0.2 | 0.1 | 0.3 |  |
| New York | 7.8 | 7.2 | 7.6 |  |
| North Carolina | 2.2 | 2.0 | 2.0 |  |
| North Dakota | 0.2 | 0.1 | 0.2 |  |


| All Medical |  |  |
| :---: | ---: | ---: |
| 2018 | 2019 | 2020 |

22. Where do you hope to WORK after completing your medical training? (Continued)

|  | Percent | Percent | Percent |
| :--- | ---: | ---: | ---: |
|  | 1.7 | 1.8 | 1.8 |
| Ohio | 0.2 | 0.3 | 0.2 |
| Oklahoma | 0.9 | 0.8 | 0.7 |
| Oregon | 2.9 | 2.5 | 2.4 |
| Pennsylvania | 0.1 | 0.0 | 0.1 |
| Rhode Island | 1.1 | 1.2 | 0.8 |
| South Carolina | 0.2 | 0.3 | 0.2 |
| South Dakota | 1.2 | 0.9 | 0.9 |
| Tennessee | 6.0 | 5.5 | 6.7 |
| Texas | 0.6 | 0.5 | 0.4 |
| Utah | 0.2 | 0.1 | 0.1 |
| Vermont | 1.2 | 1.0 | 0.9 |
| Virginia | 2.0 | 2.2 | 1.9 |
| Washington | 0.4 | 0.3 | 0.4 |
| West Virginia | 0.9 | 1.0 | 1.0 |
| Wisconsin | 0.1 | 0.1 | 0.1 |
| Wyoming | 0.9 | 1.0 | 1.1 |
| Puerto Rico | 0.2 | 0.2 | 0.1 |
| U.S. Territory/Possession | 0.2 | 0.1 | 0.2 |
| Canada | 0.9 | 0.8 | 0.7 |
| Other Foreign Country | 18.2 | 27.6 | 28.2 |
| Undecided | 10,703 | 10,753 | 11,478 |

23. Please indicate the setting in which you plan to WORK after the completion of your medical education.

|  | Percent | Percent | Percent |
| :--- | ---: | ---: | ---: |
| Large city (population 500,000 or more) | 35.9 | 35.2 | 35.8 |
| Suburb of a large city | 13.5 | 14.0 | 12.9 |
| City of moderate size (population 50,000 to 500,000 ) | 20.1 | 19.7 | 19.7 |
| Suburb of moderate size city | 5.8 | 6.0 | 6.2 |
| Small city (population 10,000 to 50,000--other than suburb) | 4.5 | 4.3 | 4.2 |
| Town (population 2,500 to 10,000--other than suburb) | 2.2 | 2.1 | 2.0 |
| Small town (population less than 2,500) | 0.9 | 1.2 | 1.0 |
| Rural/unincorporated area | 1.8 | 1.9 | 2.0 |
| Undecided or no preference | 15.2 | 15.8 | 16.1 |
| of respondents | 14,426 | 14,491 | 15,909 |

24. Do you plan to WORK primarily in an underserved area?

|  | $\frac{\text { Percent }}{}$ | $\frac{\text { Percent }}{}$ | $\frac{\text { Percent }}{}$ |
| :--- | ---: | ---: | ---: | ---: |
| Yes | 30.6 | 31.2 | 34.1 |
| No | 15.9 | 15.0 | 11.9 |
| Undecided | 53.4 | 53.8 | 54.1 |
| Number of respondents | 14,378 | 14,429 | 15,872 |

25. When thinking about your career path after medical school, how important are the following considerations?

26. Regardless of your dependency status, please indicate your parents' combined gross income for last year (a rough estimate is sufficient). Note: Starting in 2013, parental income values of \$0 are included. Starting in 2018, an additional response option of unknown parental income was added. Therefore, fewer participants reported parental income starting in 2018.

| Less than $\$ 25,000$ |  | Percent | Percent |
| :--- | ---: | ---: | ---: | Percent

27. Do you have any outstanding educational loans for your college/premedical education?

|  | Percent | Percent | Percent |
| :---: | :---: | :---: | :---: |
| Yes | 33.6 | 33.3 | 32.1 |
| No | 66.4 | 66.7 | 67.9 |
| Number of respondents | 14,374 | 14,407 | 15,838 |

## All Medical Schools

$20182019 \quad 2020$
28. What is the total amount of outstanding education loans for your college/premedical education?
Note: Only those who responded "Yes" to Q27 could respond to this item. Amounts totaling > \$500,000 were treated as invalid.

| No debt $(\$ 0)$ | Percent | Percent | Percent |
| :--- | ---: | ---: | ---: |
| $\$ 1$ to $\$ 4,999$ | 67.2 | 67.5 | 68.5 |
| $\$ 5,000$ to $\$ 9,999$ | 1.4 | 1.4 | 1.2 |
| $\$ 10,000$ to $\$ 14,999$ | 3.0 | 2.8 | 2.6 |
| $\$ 15,000$ to $\$ 19,999$ | 3.1 | 2.9 | 2.9 |
| $\$ 20,000$ to $\$ 24,999$ | 2.7 | 2.8 | 2.8 |
| $\$ 25,000$ to $\$ 29,999$ | 3.8 | 3.9 | 3.9 |
| $\$ 30,000$ to $\$ 49,999$ | 3.4 | 3.6 | 3.4 |
| $\$ 50,000$ to $\$ 74,999$ | 6.6 | 6.5 | 5.9 |
| $\$ 75,000$ to $\$ 99,999$ | 4.0 | 3.8 | 3.6 |
| $\$ 100,000$ or more | 2.0 | 2.1 | 2.1 |
| Number of respondents | 2.8 | 2.6 | 3.0 |
| Median premedical debt of those reporting premedical debt | 14,203 | 14,237 | 15,678 |

29. How many secondary/supplemental applications did you complete?

|  | Percent | Percent | Percent |
| :---: | :---: | :---: | :---: |
| Zero (0) | 2.0 | 1.7 | 1.5 |
| 1 to 4 | 16.4 | 15.9 | 16.1 |
| 5 to 8 | 11.7 | 10.5 | 9.8 |
| 9 to 12 | 12.6 | 11.8 | 10.9 |
| 13 to 16 | 14.0 | 13.2 | 11.5 |
| 17 to 20 | 15.3 | 15.2 | 14.9 |
| 21 to 24 | 8.9 | 9.3 | 9.3 |
| 25 or more | 19.0 | 22.5 | 26.1 |
| Number of respondents | 14,066 | 14,029 | 15,441 |
| Median | 15 | 15 | 17 |

30. In total, how much did you spend on secondary/supplemental applications?
No cost (\$0)
$\$ 1$ to $\$ 499$
$\$ 500$ to $\$ 999$
$\$ 1,000$ to $\$ 1,499$
$\$ 1,500$ to $\$ 1,999$
$\$ 2,000$ to $\$ 2,999$
$\$ 3,000$ or more
Number of respondents
Median

| Percent |  | Percent |  |
| ---: | ---: | ---: | ---: |
|  | Percent |  |  |
| 5.6 | 5.8 | 5.9 |  |
| 21.6 | 21.0 | 20.8 |  |
| 13.4 |  | 12.2 | 12.0 |
| 15.0 |  | 14.1 | 13.1 |
| 11.4 |  | 10.2 | 9.8 |
| 19.8 | 21.0 | 20.9 |  |
| 13.2 | 15.7 | 17.5 |  |
| 13,320 | 13,303 | 14,581 |  |
| $\$ 1,200$ | $\$ 1,200$ | $\$ 1,300$ |  |


| All Medical |  |  |
| :--- | :--- | ---: |
| 2018 | 2019 | 2020 |

31. How many medical schools offered you an interview?

|  | Percent | Percent | Percent |
| :--- | ---: | ---: | ---: | ---: |
| Zero (0) | 1.1 | 0.9 | 0.8 |
| One | 20.0 | 20.1 | 20.1 |
| Two | 15.2 | 15.5 | 15.5 |
| Three | 14.5 | 14.1 | 14.4 |
| Four to Five | 20.5 | 20.1 | 19.8 |
| Six to Seven | 12.4 | 12.2 | 12.3 |
| Eight to 10 | 9.6 | 9.9 | 9.8 |
| 11 or more | 6.8 | 7.3 | 7.3 |
| Number of respondents | 14,086 | 14,083 | 15,499 |
| Median | 3 | 3 | 3 |

32. How many interviews did you attend?

|  | Percent | Percent | Percent |
| :--- | ---: | ---: | ---: | ---: |
| Zero (0) | 1.1 | 0.9 | 0.9 |
| One | 22.4 | 22.4 | 22.7 |
| Two | 17.6 | 17.7 | 17.7 |
| Three | 16.2 | 15.5 | 15.4 |
| Four | 12.1 | 11.9 | 12.3 |
| Five | 9.0 | 9.3 | 9.1 |
| Six to 10 | 18.3 | 18.8 | 18.5 |
| 11 or more | 3.3 | 3.5 | 3.4 |
| Number of respondents | 14,050 | 14,049 | 15,477 |
| Median | 3 | 3 | 3 |

33. How many second visits (post-interview, pre-matriculation) did you make?

|  | Percent | Percent | Percent |
| :--- | ---: | ---: | ---: | ---: |
| Zero (0) | 49.9 | 49.6 | 74.9 |
| One | 37.8 | 38.3 | 19.3 |
| Two | 9.3 | 9.1 | 4.0 |
| Three | 2.1 | 2.2 | 1.1 |
| Four or more | 0.8 | 0.8 | 0.7 |
| Number of respondents | 13,822 | 13,845 | 15,229 |
| Median | 1 | 1 | 0 |

34. In total, how much did you spend on interview expenses, including lodging travel, and meals?
No cost (\$0)
$\$ 1$ to $\$ 499$
$\$ 500$ to $\$ 999$
$\$ 1,000$ to $\$ 1,499$
$\$ 1,500$ to $\$ 1,999$
$\$ 2,000$ to $\$ 2,999$
$\$ 3,000$ or more

Number of respondents
Median
35. How do you plan to finance your medical school education? Please enter a percentage for each applicable category to total $100 \%$.
Note: The percentage is the average of the percentages for the category.
Responses needed to total 100\%.

|  | Percent | Percent | Percent |
| :--- | ---: | ---: | ---: | ---: |
|  | 15.2 | 16.7 | 16.3 |
| Scholarships or awards | 4.1 | 4.2 | 4.1 |
| Scholarships or awards with a service commitment (NHSC, military, etc.) | 56.2 | 54.8 | 55.3 |
| Loans | 0.4 | 0.3 | 0.3 |
| Work-study program | 4.4 | 4.4 | 4.8 |
| Personal income and savings | 18.2 | 18.0 | 17.7 |
| Money from parents, guardians, or other relatives | 0.8 | 0.9 | 0.7 |
| Money earned by spouse or partner | 0.8 | 0.7 | 0.7 |
| Other | 13,430 | 13,397 | 14,812 |

36. Do you have any noneducational, consumer debt that you are legally required to repay? (This includes credit card debt, car loans, home mortgages, or other consumer debt.)

|  | $\frac{P r}{}$Percent <br> Percent | $\underline{P e r c e n t}$ |  |
| :--- | ---: | ---: | ---: | ---: |
| Yes | 16.2 | 17.5 | 15.5 |
| No | 83.8 | 82.5 | 84.5 |
| Number of respondents | 14,286 | 14,323 | 15,745 |

All Medical Schools

|  | 2018 | 2020 |
| :--- | :--- | :--- |

37. Please list the amount of your noneducational, consumer debt.

Note: Only those who responded "Yes" to Q36 could respond to this item. Amounts totaling $>\mathbf{\$ 5 0 0 , 0 0 0}$ for credit cards, car loans, and other debt were treated as invalid, and amounts totaling > \$10,000,000 for mortgage and total debt were treated as invalid.

|  | Percent | Percent | Percent |
| :--- | ---: | ---: | ---: |
| No debt $(\$ 0)$ | 85.2 | 83.6 | 85.5 |
| $\$ 1$ to $\$ 4,999$ | 6.1 | 6.7 | 5.6 |
| $\$ 5,000$ to $\$ 9,999$ | 2.6 | 2.8 | 2.3 |
| $\$ 10,000$ to $\$ 14,999$ | 1.7 | 1.9 | 1.8 |
| $\$ 15,000$ to $\$ 19,999$ | 1.2 | 1.3 | 1.3 |
| $\$ 20,000$ to $\$ 24,999$ | 0.7 | 0.7 | 0.7 |
| $\$ 25,000$ to $\$ 29,999$ | 0.3 | 0.4 | 0.4 |
| $\$ 30,000$ to $\$ 49,999$ | 0.5 | 0.6 | 0.5 |
| $\$ 50,000$ to $\$ 74,999$ | 0.1 | 0.1 | 0.1 |
| $\$ 75,000$ to $\$ 99,999$ | 0.1 | 0.2 | 0.2 |
| $\$ 100,000$ or more | 1.5 | 1.7 | 1.7 |
| Number of respondents | 14,055 | 14,123 | 15,558 |
| Median noneducational debt of those reporting noneducational debt | $\$ 7,000$ | $\$ 7,000$ | $\$ 8,000$ |

38. Please list the amount of your noneducational, consumer debt for each category listed below.
Note: Only those who responded "Yes" to Q36 could respond to this item. The number shown in each category is the median of those providing valid figures. Amounts totaling $>\mathbf{\$ 5 0 0 , 0 0 0}$ for credit cards, car loans, and other debt were treated as invalid, and amounts totaling $>\mathbf{\$ 1 0 , 0 0 0 , 0 0 0}$ for mortgage and total debt were treated as invalid.

Credit cards
Number of respondents
Car loans
Number of respondents
Mortgage
Number of respondents
Other consumer loans
Number of respondents
Total amount
Number of respondents

| $\$ 2,300$ | $\$ 2,500$ | $\$ 2,000$ |
| ---: | ---: | ---: |
| 1,627 | 1,791 | 1,606 |
|  |  |  |
| $\$ 10,000$ | $\$ 10,000$ | $\$ 10,000$ |
| 898 | 943 | 1,036 |

\$170,000 \$187,000 \$184,500

| 264 | 291 | 328 |
| ---: | ---: | ---: |
|  |  |  |
| $\$ 3,200$ | $\$ 5,000$ | $\$ 5,000$ |
| 111 | 165 | 135 |
|  |  |  |
| $\$ 7,000$ | $\$ 7,000$ | $\$ 8,000$ |
| 2,083 | 2,310 | 2,252 |


| All Medical Schools |  |  |
| :---: | ---: | ---: |
| 2018 | 2019 | 2020 |

39. Gender Identity:

Note: The results are derived from two questions: "What sex were you assigned at birth?" (response options "Male" or "Female") and "What is your current gender identity?" (response options "Male," "Female,"
"Trans male/trans man," "Trans female/trans woman,"
"Genderqueer/gender non-conforming," or "Different identity").

|  | $\frac{P e r c e n t}{}$ | $\frac{\text { Percent }}{}$ | Percent |
| :--- | ---: | ---: | ---: | ---: |
| Same gender identity as the sex assigned at birth | 99.3 | 99.3 | 99.2 |
| Different gender identity from the sex assigned at birth | 0.7 | 0.7 | 0.8 |
| Number of respondents | 14,426 | 14,463 | 15,887 |

40. How do you self-identify?

|  | Percent | Percent | Percent |
| :--- | ---: | ---: | ---: | ---: |
| Bisexual | 4.4 | 5.0 | 6.1 |
| Gay or lesbian | 3.3 | 3.8 | 3.6 |
| Heterosexual or straight | 92.2 | 91.1 | 90.3 |
| Number of respondents | 14,254 | 14,278 | 15,638 |

41. Control of medical school:

Note: This information is populated from other AAMC data sources.

|  | $\frac{P r e r c e n t}{}$ | $\frac{\text { Percent }}{}$ | $\underline{\text { Percent }}$ |
| :--- | ---: | ---: | ---: | ---: |
| Private | 38.8 | 38.6 | 38.8 |
| Public | 61.2 | 61.4 | 61.2 |
| Number of respondents | 15,447 | 15,588 | 16,956 |

42. Region of medical school:

Note: This information is populated from other AAMC data sources.

|  | Percent | Percent | $\frac{\text { Percent }}{}$ |
| :--- | ---: | ---: | ---: |
| Northeast | 27.7 | 27.1 | 27.8 |
| South | 33.1 | 33.6 | 34.0 |
| Central | 27.1 | 27.1 | 26.2 |
| West | 12.1 | 12.2 | 12.0 |
| Number of respondents | 15,447 | 15,588 | 16,956 |

