# Table A-17: MCAT and GPAs for Applicants and Matriculants to U.S. Medical Schools by Primary Undergraduate Major, 2019-2020

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The table below displays MCAT scores and GPAs for applicants and matriculants to U.S. medical schools for 2019-2020 by primary undergraduate major. MCAT scores and GPAs are displayed by mean or median and standard deviation (SD). Please email datarequest@aamc.org if you need further assistance or have additional inquiries.

| Applicants | MCAT CPBS | | MCAT CARS | | MCAT BBLS | | MCAT PSBB | | Total MCAT | | GPA Science | | GPA Non-Science | | GPA Total | | Total Applicants |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | SD | Mean | SD | Mean | SD | Mean | SD | Mean | SD | Mean | SD | Mean | SD | Mean | SD | |
| Biological Sciences | 126.4 | 2.7 | 125.8 | 2.7 | 126.8 | 2.7 | 127.1 | 2.7 | 506.0 | 9.2 | 3.49 | 0.41 | 3.74 | 0.27 | 3.59 | 0.33 | 30,693 |
| Humanities | 126.6 | 2.6 | 127.0 | 2.6 | 126.9 | 2.6 | 127.6 | 2.5 | 508.1 | 8.8 | 3.44 | 0.45 | 3.71 | 0.29 | 3.58 | 0.33 | 1,678 |
| Math and Statistics | 128.0 | 2.6 | 127.0 | 2.7 | 127.7 | 2.7 | 127.9 | 2.8 | 510.5 | 9.4 | 3.56 | 0.38 | 3.70 | 0.27 | 3.61 | 0.32 | 344 |
| Other | 126.1 | 2.8 | 125.7 | 2.8 | 126.3 | 2.8 | 126.9 | 2.9 | 505.0 | 9.6 | 3.46 | 0.44 | 3.71 | 0.28 | 3.58 | 0.34 | 8,754 |
| Physical Sciences | 127.6 | 2.6 | 126.5 | 2.7 | 127.2 | 2.6 | 127.5 | 2.6 | 508.9 | 8.8 | 3.56 | 0.39 | 3.70 | 0.29 | 3.61 | 0.32 | 4,937 |
| Social Sciences | 126.0 | 2.8 | 126.1 | 2.7 | 126.2 | 2.8 | 127.5 | 2.7 | 505.7 | 9.3 | 3.38 | 0.47 | 3.65 | 0.33 | 3.52 | 0.35 | 5,001 |
| Specialized Health Sciences | 125.5 | 2.9 | 125.2 | 2.8 | 125.7 | 2.9 | 126.4 | 3.0 | 502.8 | 10.1 | 3.43 | 0.45 | 3.70 | 0.30 | 3.57 | 0.34 | 1,964 |
| *All Applicants* | *126.4* | *2.8* | *125.9* | *2.7* | *126.7* | *2.7* | *127.1* | *2.7* | *506.1* | *9.3* | *3.48* | *0.43* | *3.72* | *0.28* | *3.58* | *0.33* | *53,371* |

| Matriculants | MCAT CPBS | | MCAT CARS | | MCAT BBLS | | MCAT PSBB | | Total MCAT | | GPA Science | | GPA Non-Science | | GPA Total | | Total Matriculants |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Mean | SD | Mean | SD | Mean | SD | Mean | SD | Mean | SD | Mean | SD | Mean | SD | Mean | SD | |
| Biological Sciences | 127.7 | 2.2 | 126.9 | 2.3 | 128.2 | 2.0 | 128.5 | 2.1 | 511.3 | 6.5 | 3.67 | 0.30 | 3.82 | 0.21 | 3.73 | 0.24 | 12,484 |
| Humanities | 127.8 | 2.1 | 128.1 | 2.1 | 128.1 | 2.1 | 128.9 | 1.9 | 512.9 | 6.1 | 3.63 | 0.31 | 3.80 | 0.22 | 3.72 | 0.23 | 780 |
| Math and Statistics | 128.9 | 2.2 | 128.0 | 2.1 | 128.8 | 2.1 | 129.0 | 1.9 | 514.8 | 6.4 | 3.70 | 0.26 | 3.77 | 0.22 | 3.72 | 0.23 | 163 |
| Other | 127.6 | 2.1 | 127.0 | 2.3 | 127.8 | 2.0 | 128.5 | 2.1 | 511.0 | 6.4 | 3.65 | 0.31 | 3.80 | 0.21 | 3.74 | 0.23 | 3,371 |
| Physical Sciences | 128.7 | 2.0 | 127.5 | 2.3 | 128.3 | 2.1 | 128.6 | 2.0 | 513.1 | 6.5 | 3.70 | 0.28 | 3.78 | 0.23 | 3.73 | 0.24 | 2,355 |
| Social Sciences | 127.6 | 2.2 | 127.4 | 2.2 | 127.8 | 2.1 | 129.0 | 1.9 | 511.7 | 6.2 | 3.60 | 0.33 | 3.75 | 0.25 | 3.68 | 0.26 | 1,995 |
| Specialized Health Sciences | 127.4 | 2.2 | 126.8 | 2.3 | 127.6 | 2.1 | 128.3 | 2.2 | 510.1 | 6.7 | 3.65 | 0.30 | 3.83 | 0.19 | 3.74 | 0.23 | 721 |
| *All Matriculants* | *127.8* | *2.2* | *127.1* | *2.3* | *128.1* | *2.1* | *128.5* | *2.0* | *511.5* | *6.5* | *3.66* | *0.30* | *3.81* | *0.22* | *3.73* | *0.24* | *21,869* |

Notes: In April 2015, the AAMC launched a new version of the MCAT exam. Scores are reported in four sections: 1) Chemical and Physical Foundations of Biological Systems (CPBS), 2) Critical Analysis and Reasoning Skills (CARS), 3) Biological and Biochemical Foundations of Living Systems (BBLS), and 4) Psychological, Social, and Biological Foundations of Behavior (PSBB). Some medical schools accept scores from both the new and old exams. Accordingly, applicants vary in which scores they include with their applications. Only the most recent MCAT score is used for individuals who took the exam more than once.

In 2019, 53,371 individuals applied to U.S. medical schools. Among them, 52,414 applied with MCAT scores, and 53,106 provided UGPAs. Among those who applied with MCAT scores, almost all applicants (i.e., 99.8%) applied with scores from the new exam. The means and SDs of MCAT scores are calculated based on data from applicants who applied with MCAT scores. Specifically, 52,326 applicants and 21,157 matriculants in 2019 were included in the calculations. The means and SDs of UGPA are calculated based on data from applicants who applied with UGPAs. Specifically, 53,106 applicants and 21,689 matriculants in 2019 were included in the calculations.

Each academic year includes applicants and matriculants that applied to enter medical school in the fall of the given year. For example, academic year 2019-2020 represents the applicants and matriculants that applied to enter medical school during the 2019 application cycle.