

Table A-20: MCAT Scores and GPAs for Matriculants to U.S. Medical Schools by State of Legal Residence, 2019-2020



The table below displays MCAT scores and GPAs for matriculants from 2019-2020 by state of legal residence. 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.

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		
Region	State of Legal Residence																		
Northeast	Connecticut	128.3	1.9	127.8	2.1	128.7	1.8	129.2	1.7	514.1	5.3	3.66	0.28	3.79	0.21	3.72	0.22	282	
	Delaware	128.0	2.3	127.3	2.4	128.6	2.0	128.9	1.8	512.7	5.2	3.70	0.22	3.77	0.20	3.72	0.20	38	
	District of Columbia	127.5	2.3	127.0	2.6	128.3	2.3	129.0	2.1	511.8	7.5	3.45	0.40	3.69	0.28	3.55	0.30	47	
	Maine	127.6	2.1	127.6	2.3	128.2	1.8	128.8	1.8	512.2	6.2	3.60	0.33	3.80	0.19	3.70	0.23	41	
	Maryland	128.1	2.2	127.3	2.2	128.3	2.0	128.8	1.9	512.5	6.1	3.62	0.32	3.78	0.23	3.69	0.26	528	
	Massachusetts	128.4	1.9	128.0	2.1	128.8	1.9	129.3	1.7	514.5	5.4	3.66	0.28	3.78	0.23	3.72	0.23	624	
	New Hampshire	128.3	2.0	128.2	2.1	128.6	1.8	129.2	1.8	514.2	5.1	3.64	0.26	3.81	0.22	3.72	0.20	55	
	New Jersey	128.4	1.9	127.3	2.2	128.5	1.9	128.9	1.9	513.1	5.8	3.66	0.29	3.80	0.21	3.72	0.23	873	
	New York	128.1	2.0	127.3	2.3	128.4	1.8	128.8	1.9	512.7	5.7	3.63	0.30	3.77	0.23	3.69	0.24	1,674	
	Pennsylvania	128.3	1.9	127.5	2.1	128.4	1.9	128.9	1.8	513.1	5.4	3.68	0.28	3.82	0.20	3.74	0.22	767	
	Rhode Island	128.3	1.9	127.8	2.1	128.9	1.9	129.2	1.9	514.2	5.5	3.72	0.21	3.82	0.22	3.77	0.20	58	
	Vermont	127.8	1.7	127.8	2.0	128.0	1.8	128.9	1.6	512.4	4.4	3.66	0.30	3.77	0.23	3.70	0.23	56	
	Total for the Region	128.2	2.0	127.5	2.2	128.5	1.9	128.9	1.8	513.1	5.7	3.65	0.29	3.79	0.22	3.71	0.24	5,043	
Central	Illinois	127.8	2.2	127.2	2.4	128.0	2.1	128.6	2.1	511.6	6.7	3.63	0.34	3.81	0.22	3.71	0.27	934	
	Indiana	128.2	1.9	127.3	2.1	128.2	1.9	128.5	1.8	512.2	5.4	3.75	0.26	3.88	0.15	3.81	0.19	379	
	Iowa	127.9	1.9	127.4	2.0	128.5	1.8	128.6	1.8	512.4	5.2	3.76	0.27	3.88	0.16	3.81	0.21	128	
	Kansas	127.2	1.9	127.1	2.0	127.9	2.0	128.2	2.0	510.4	5.7	3.72	0.30	3.86	0.22	3.78	0.24	222	
	Michigan	127.7	2.2	126.9	2.3	128.0	2.1	128.5	2.2	511.1	6.6	3.67	0.32	3.82	0.22	3.73	0.25	811	
	Minnesota	127.8	2.0	127.3	2.2	128.0	2.1	128.6	1.9	511.6	6.0	3.67	0.29	3.82	0.18	3.74	0.22	418	
	Missouri	127.7	2.2	127.2	2.2	128.0	2.1	128.5	2.0	511.4	6.6	3.75	0.26	3.85	0.20	3.80	0.21	332	
	Nebraska	127.8	2.0	127.1	2.2	128.0	1.9	128.5	1.8	511.5	5.6	3.72	0.29	3.85	0.21	3.78	0.23	145	
	North Dakota	126.5	1.9	126.1	1.9	126.9	1.5	127.7	1.7	507.1	4.6	3.76	0.28	3.84	0.25	3.80	0.24	53	
	Ohio	127.9	2.1	127.1	2.4	127.9	2.1	128.5	2.0	511.4	6.5	3.68	0.30	3.86	0.19	3.75	0.23	825	
	South Dakota	126.8	2.2	127.1	2.2	127.7	2.1	127.9	1.7	509.4	6.0	3.68	0.31	3.82	0.25	3.74	0.26	80	
	Wisconsin	127.9	2.0	127.2	2.2	128.2	2.0	128.7	2.0	512.1	5.9	3.71	0.28	3.83	0.20	3.76	0.23	373	
	Total for the Region	127.8	2.1	127.1	2.3	128.0	2.0	128.5	2.0	511.4	6.3	3.68	0.31	3.84	0.20	3.75	0.24	4,700	
South	Alabama	127.0	2.3	126.7	2.2	127.3	2.1	127.7	2.1	508.8	6.5	3.71	0.30	3.86	0.20	3.77	0.24	265	
	Arkansas	126.4	2.0	126.7	2.2	126.8	2.1	127.5	1.9	507.5	5.6	3.65	0.34	3.84	0.23	3.73	0.27	178	
	Florida	127.6	2.1	126.7	2.3	127.8	2.0	128.6	1.9	510.7	6.2	3.67	0.30	3.82	0.21	3.74	0.24	1,189	
	Georgia	127.3	2.3	126.8	2.4	127.6	2.1	128.2	2.1	510.0	6.9	3.63	0.33	3.80	0.21	3.71	0.25	654	
	Kentucky	126.9	2.2	126.7	2.3	127.3	2.0	127.7	2.1	508.5	6.5	3.70	0.30	3.87	0.18	3.77	0.23	360	
	Louisiana	126.7	2.0	126.3	2.3	127.3	1.9	127.5	1.9	507.8	5.8	3.65	0.36	3.81	0.25	3.71	0.29	391	
	Mississippi	125.7	2.2	125.6	1.9	126.1	1.9	126.4	2.0	503.8	5.5	3.69	0.29	3.88	0.20	3.77	0.23	185	
	North Carolina	127.9	2.2	127.3	2.3	128.1	2.1	128.7	2.0	512.0	6.6	3.61	0.34	3.77	0.23	3.68	0.27	537	
	Oklahoma	127.0	2.0	126.9	2.1	127.3	1.9	127.7	1.8	508.9	5.4	3.72	0.26	3.87	0.17	3.79	0.21	187	
	Puerto Rico	124.9	2.0	123.6	2.1	125.5	1.8	124.9	2.1	499.0	5.7	3.50	0.37	3.77	0.24	3.62	0.29	304	

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		Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD		
Region	State of Legal Residence																		
	South Carolina	126.8	2.2	127.0	2.0	127.4	1.9	128.0	1.9	509.2	5.6	3.68	0.31	3.81	0.22	3.74	0.24	326	
	Tennessee	127.3	2.2	127.1	2.1	127.7	2.0	128.1	2.0	510.2	6.3	3.66	0.33	3.80	0.24	3.72	0.27	355	
	Texas	127.7	2.1	127.1	2.2	128.0	2.0	128.6	1.9	511.4	6.1	3.70	0.29	3.82	0.22	3.77	0.22	1,720	
	Virginia	128.1	2.0	127.5	2.3	128.3	1.9	129.0	1.8	512.9	6.0	3.61	0.33	3.76	0.24	3.68	0.27	541	
	West Virginia	126.7	2.1	125.8	2.3	126.7	2.0	127.2	2.2	506.4	6.2	3.67	0.32	3.83	0.26	3.74	0.27	140	
	Total for the Region	127.3	2.2	126.7	2.4	127.6	2.1	128.1	2.1	509.7	6.8	3.66	0.32	3.81	0.22	3.73	0.25	7,332	
	West	Alaska	126.8	2.1	126.9	2.4	127.7	2.2	128.1	1.9	509.4	6.6	3.65	0.27	3.73	0.32	3.68	0.27	41
Arizona		127.6	2.2	127.0	2.2	128.0	2.2	128.5	2.2	511.1	6.6	3.71	0.28	3.84	0.18	3.77	0.22	300	
California		128.5	1.9	127.3	2.3	128.7	1.9	129.1	1.8	513.6	5.8	3.64	0.29	3.78	0.21	3.69	0.24	2,603	
Colorado		128.0	2.0	127.5	2.3	128.4	1.9	129.0	1.9	512.9	5.7	3.69	0.26	3.81	0.19	3.75	0.21	300	
Hawaii		128.2	1.9	126.6	2.4	128.2	2.0	128.5	1.9	511.5	6.1	3.69	0.26	3.81	0.20	3.74	0.21	101	
Idaho		127.1	2.2	127.2	2.2	127.8	2.2	128.0	1.9	510.1	6.3	3.74	0.30	3.84	0.21	3.78	0.24	75	
Montana		126.6	2.3	126.9	2.3	127.1	2.2	127.4	2.2	508.1	6.5	3.67	0.30	3.84	0.19	3.74	0.24	57	
Nevada		127.4	2.1	126.5	2.3	128.1	1.8	128.2	2.0	510.1	5.8	3.65	0.33	3.80	0.27	3.71	0.28	140	
New Mexico		126.3	2.2	125.9	2.3	126.8	2.2	127.1	2.3	506.1	6.8	3.65	0.30	3.83	0.22	3.74	0.24	126	
Oregon		127.9	2.0	127.5	2.2	128.3	2.0	128.9	1.7	512.6	5.8	3.67	0.30	3.83	0.16	3.74	0.22	205	
Utah		128.5	2.0	127.4	2.2	128.7	2.0	128.8	2.0	513.4	6.1	3.74	0.24	3.85	0.17	3.79	0.19	212	
Washington		128.0	2.2	127.4	2.3	128.3	2.0	128.7	1.9	512.4	6.3	3.61	0.31	3.80	0.20	3.69	0.24	448	
Wyoming		127.3	1.7	127.9	2.3	128.0	2.0	128.2	1.9	511.3	5.5	3.75	0.23	3.83	0.25	3.78	0.22	29	
Total for the Region	128.2	2.1	127.2	2.3	128.5	2.0	128.8	2.0	512.7	6.2	3.65	0.29	3.80	0.21	3.71	0.24	4,637		
U.S. Territories and Possessions		126.7	2.0	126.5	1.9	127.0	0.0	126.3	1.2	506.5	3.3	3.79	0.22	3.90	0.17	3.82	0.20	6	
Legal Residence is Not in the U.S.		128.7	1.9	126.8	2.2	128.9	1.9	129.0	1.7	513.4	5.9	3.73	0.25	3.83	0.21	3.77	0.21	124	
Legal Residence is Unknown		129.3	2.0	127.4	2.8	129.2	1.6	129.7	1.9	515.5	6.3	3.79	0.20	3.82	0.20	3.81	0.18	27	
Total 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 matriculants that applied to enter medical school in the fall of the given year. For example, academic year 2019-2020 represents the matriculants that applied to enter medical school during the 2019 application cycle.