

Table A-20: MCAT Scores and GPAs for Matriculants to U.S. Medical Schools by State of Legal Residence, 2018-2019



The table below displays MCAT scores and GPAs for matriculants from 2018-2019 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	128.1	2.0	127.8	2.0	128.8	1.8	129.0	1.7	513.8	5.2	3.66	0.27	3.78	0.18	3.72	0.21	245	
	Delaware	127.8	1.8	127.2	2.4	127.7	1.8	128.5	1.9	511.2	6.1	3.71	0.26	3.83	0.15	3.77	0.18	44	
	District of Columbia	127.4	2.4	127.8	2.5	127.9	2.1	128.6	1.8	511.6	7.0	3.52	0.35	3.69	0.25	3.61	0.24	54	
	Maine	127.7	2.1	127.7	2.2	128.7	1.7	128.5	1.8	512.6	5.7	3.69	0.23	3.78	0.19	3.73	0.20	46	
	Maryland	127.9	2.0	127.4	2.3	128.4	2.1	128.7	1.8	512.4	6.1	3.64	0.30	3.79	0.22	3.70	0.24	531	
	Massachusetts	128.4	2.0	127.8	2.2	128.7	1.9	128.9	1.9	513.9	5.8	3.66	0.27	3.78	0.19	3.71	0.21	612	
	New Hampshire	128.1	1.9	127.4	2.4	128.6	1.6	129.0	1.7	513.2	5.4	3.69	0.28	3.81	0.19	3.74	0.22	45	
	New Jersey	128.3	1.9	127.4	2.2	128.6	2.0	128.7	1.9	513.0	5.9	3.66	0.32	3.80	0.21	3.72	0.25	864	
	New York	128.2	1.9	127.4	2.3	128.4	2.0	128.7	1.9	512.6	5.9	3.64	0.30	3.78	0.20	3.70	0.23	1,608	
	Pennsylvania	128.1	2.0	127.4	2.2	128.5	1.9	128.5	1.9	512.5	5.8	3.65	0.29	3.80	0.22	3.72	0.23	789	
	Rhode Island	127.9	1.9	127.5	2.1	128.3	2.0	128.4	1.8	512.1	4.6	3.70	0.24	3.84	0.19	3.77	0.20	47	
Vermont	127.7	2.0	128.1	1.9	127.9	1.9	129.0	2.1	512.8	5.1	3.72	0.23	3.78	0.19	3.74	0.17	57		
Total for the Region		128.2	2.0	127.5	2.2	128.5	1.9	128.7	1.9	512.9	5.9	3.65	0.29	3.79	0.20	3.71	0.23	4,942	
Central	Illinois	127.7	2.1	127.1	2.3	128.0	2.1	128.3	2.0	511.1	6.3	3.63	0.32	3.79	0.22	3.70	0.26	977	
	Indiana	127.8	1.8	127.3	2.2	128.0	1.9	128.2	2.0	511.3	5.6	3.74	0.28	3.84	0.23	3.78	0.24	388	
	Iowa	127.8	1.8	127.3	2.3	128.2	1.8	128.5	1.8	511.8	5.7	3.72	0.24	3.84	0.18	3.78	0.19	141	
	Kansas	127.0	2.1	126.9	2.2	127.4	2.1	127.8	2.1	509.1	6.2	3.69	0.26	3.84	0.21	3.76	0.21	245	
	Michigan	127.8	2.1	127.0	2.3	128.2	2.1	128.4	2.1	511.4	6.7	3.66	0.32	3.82	0.20	3.73	0.24	794	
	Minnesota	127.5	2.1	127.4	2.2	128.0	2.0	128.4	2.0	511.2	6.0	3.68	0.27	3.83	0.19	3.75	0.21	385	
	Missouri	127.7	2.2	127.4	2.2	128.0	2.1	128.3	2.0	511.3	6.1	3.74	0.24	3.85	0.19	3.79	0.20	310	
	Nebraska	127.5	1.9	127.2	2.0	127.9	1.7	128.0	2.0	510.6	5.3	3.72	0.24	3.89	0.14	3.78	0.17	138	
	North Dakota	126.9	2.0	126.2	2.8	127.2	2.3	127.8	2.2	508.0	6.7	3.73	0.36	3.88	0.20	3.79	0.29	53	
	Ohio	127.7	2.1	127.1	2.3	127.9	2.0	128.2	2.0	510.9	6.3	3.66	0.30	3.84	0.19	3.74	0.23	737	
	South Dakota	127.5	1.6	126.6	2.1	128.1	1.8	127.8	2.0	510.0	5.1	3.83	0.22	3.91	0.15	3.87	0.17	67	
Wisconsin	127.9	2.0	127.1	2.2	128.0	2.0	128.3	2.0	511.4	5.8	3.70	0.27	3.84	0.16	3.76	0.20	372		
Total for the Region		127.7	2.1	127.1	2.3	128.0	2.0	128.3	2.0	511.0	6.2	3.68	0.30	3.83	0.20	3.74	0.23	4,607	
South	Alabama	127.0	2.1	126.8	2.4	127.2	2.0	127.7	2.1	508.6	6.5	3.70	0.28	3.85	0.23	3.76	0.24	280	
	Arkansas	126.8	2.2	126.7	2.4	127.2	2.0	127.3	2.0	508.0	6.4	3.70	0.31	3.84	0.22	3.76	0.25	172	
	Florida	127.4	2.1	127.0	2.3	127.8	2.1	128.2	2.0	510.4	6.1	3.64	0.32	3.80	0.23	3.71	0.25	1,237	
	Georgia	127.2	2.3	126.8	2.2	127.5	2.1	127.9	2.0	509.3	6.4	3.63	0.31	3.79	0.23	3.70	0.25	644	
	Kentucky	126.9	1.9	126.7	2.2	127.3	2.0	127.7	1.9	508.7	5.7	3.65	0.28	3.86	0.17	3.74	0.21	298	
	Louisiana	126.4	1.9	126.4	2.3	127.1	2.1	127.3	2.1	507.2	6.1	3.62	0.35	3.78	0.27	3.69	0.29	386	
	Mississippi	126.1	2.3	126.2	2.3	126.5	2.1	126.8	2.1	505.5	6.4	3.61	0.37	3.81	0.25	3.70	0.28	194	
	North Carolina	127.7	2.3	127.4	2.2	128.1	2.1	128.4	2.0	511.6	6.8	3.62	0.32	3.77	0.23	3.69	0.26	538	
	Oklahoma	126.9	2.1	127.1	2.3	127.2	2.0	127.7	1.9	508.9	5.9	3.65	0.30	3.80	0.25	3.71	0.25	180	
	Puerto Rico	125.1	2.1	123.7	2.3	125.7	2.1	125.1	2.2	499.6	6.3	3.55	0.33	3.79	0.22	3.65	0.26	297	

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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	126.7	2.1	126.8	2.3	127.2	2.2	127.5	2.0	508.1	6.4	3.65	0.34	3.81	0.26	3.72	0.28	329
	Tennessee	127.3	2.1	127.2	2.2	127.8	2.0	128.1	2.0	510.4	6.1	3.69	0.31	3.82	0.23	3.75	0.26	360
	Texas	127.7	2.1	127.0	2.3	127.9	2.0	128.2	2.0	510.7	6.2	3.68	0.30	3.82	0.21	3.76	0.23	1,713
	Virginia	127.8	2.0	127.4	2.3	128.1	2.0	128.6	1.9	511.9	5.8	3.60	0.33	3.75	0.24	3.66	0.27	587
	West Virginia	126.5	2.3	126.2	2.1	126.8	2.2	127.0	2.2	506.6	6.6	3.71	0.30	3.85	0.20	3.77	0.22	153
	Total for the Region	127.2	2.2	126.8	2.4	127.6	2.1	127.9	2.1	509.4	6.7	3.64	0.32	3.80	0.23	3.72	0.25	7,368
West	Alaska	126.9	2.2	126.6	2.3	126.7	2.1	127.1	2.4	507.3	6.8	3.43	0.33	3.67	0.29	3.55	0.27	28
	Arizona	127.4	2.2	126.9	2.5	127.8	2.2	128.0	2.1	510.1	7.1	3.68	0.30	3.82	0.23	3.74	0.24	291
	California	128.4	1.9	127.4	2.3	128.7	1.9	128.9	1.9	513.4	5.9	3.63	0.29	3.77	0.21	3.68	0.24	2,585
	Colorado	127.9	2.0	127.7	2.1	128.4	1.9	128.6	1.8	512.6	5.6	3.69	0.29	3.81	0.22	3.74	0.24	286
	Hawaii	128.0	2.0	126.8	1.8	128.5	2.0	128.6	2.0	511.9	5.8	3.66	0.30	3.78	0.25	3.71	0.25	82
	Idaho	127.6	2.3	126.8	2.2	127.4	2.5	127.9	2.4	509.8	7.0	3.72	0.28	3.83	0.24	3.76	0.24	68
	Montana	126.5	2.4	127.1	2.2	127.3	2.2	127.8	2.1	508.7	6.7	3.62	0.31	3.82	0.20	3.71	0.23	56
	Nevada	127.3	2.0	126.3	2.4	127.8	1.9	128.0	1.9	509.4	6.1	3.66	0.32	3.81	0.22	3.72	0.26	149
	New Mexico	126.3	2.3	126.5	2.3	126.9	2.3	127.4	2.3	507.0	6.9	3.67	0.29	3.82	0.22	3.74	0.23	131
	Oregon	127.6	2.0	127.3	2.5	128.1	2.0	128.3	2.0	511.3	6.2	3.67	0.27	3.79	0.21	3.72	0.22	193
	Utah	128.1	1.8	127.8	2.3	128.4	2.0	128.6	1.9	512.9	5.8	3.72	0.26	3.84	0.19	3.78	0.21	207
	Washington	128.0	2.2	127.6	2.5	128.2	2.1	128.5	2.0	512.3	6.5	3.62	0.29	3.80	0.19	3.69	0.21	408
Wyoming	126.9	2.3	126.1	2.3	127.5	2.2	127.5	2.2	508.1	6.4	3.68	0.25	3.84	0.22	3.74	0.21	31	
	Total for the Region	128.1	2.1	127.3	2.3	128.4	2.0	128.6	2.0	512.4	6.3	3.64	0.29	3.78	0.21	3.70	0.24	4,515
	U.S. Territories and Possessions	127.4	2.4	126.3	2.4	127.6	2.1	127.9	1.6	509.1	5.1	3.90	0.18	3.94	0.07	3.92	0.12	7
	Legal Residence is Not in the U.S.	129.0	2.2	127.6	2.2	129.5	1.9	129.2	2.1	515.3	6.2	3.80	0.24	3.84	0.21	3.81	0.21	97
	Legal Residence is Unknown	129.1	2.1	127.2	2.4	128.8	2.1	128.8	2.0	514.0	6.4	3.79	0.25	3.86	0.14	3.83	0.19	86
	Total Matriculants	127.7	2.1	127.1	2.3	128.0	2.1	128.3	2.1	511.2	6.5	3.65	0.30	3.80	0.21	3.72	0.24	21,622

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.

In 2018, 52,777 individuals applied to U.S. medical schools. Among them, 51,816 applied with MCAT scores, and 52,518 provided UGPAs. Among those who applied with MCAT scores, almost all applicants (i.e., greater than 98.6%) 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, 51,067 applicants and 20,642 matriculants in 2018 were included in the calculations. The means and SDs of UGPA are calculated based on data from applicants who applied with UGPAs. Specifically, 52,518 applicants and 21,441 matriculants in 2018 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 2018-2019 represents the applicants and matriculants that applied to enter medical school during the 2018 application cycle.