

Table A-19: MCAT Scores and GPAs for Applicants to U.S. Medical Schools by State of Legal Residence, 2018-2019



The table below displays MCAT scores and GPAs for applicants 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.

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	
Region	State of Legal Residence																	
Northeast	Connecticut	126.9	2.6	126.5	2.7	127.5	2.5	127.6	2.6	508.5	8.8	3.50	0.37	3.71	0.24	3.60	0.28	533
	Delaware	126.0	2.8	125.6	2.8	126.1	2.6	126.9	2.7	504.6	9.3	3.45	0.43	3.71	0.28	3.56	0.35	100
	District of Columbia	126.3	2.7	126.7	2.9	126.7	2.8	127.2	2.9	506.8	9.7	3.30	0.49	3.62	0.31	3.45	0.36	105
	Maine	126.1	2.6	126.1	2.5	126.9	2.5	126.9	2.5	506.0	8.4	3.55	0.33	3.70	0.26	3.60	0.29	119
	Maryland	126.5	2.8	126.1	2.9	127.0	2.8	127.1	2.8	506.8	9.8	3.45	0.44	3.69	0.29	3.55	0.35	1,160
	Massachusetts	127.2	2.7	126.7	2.7	127.5	2.6	127.7	2.7	509.1	9.0	3.52	0.38	3.69	0.27	3.59	0.31	1,269
	New Hampshire	126.9	2.5	126.8	2.5	127.7	2.3	127.6	2.3	509.1	7.5	3.53	0.39	3.69	0.29	3.60	0.33	118
	New Jersey	126.7	2.8	126.0	2.7	127.0	2.7	127.1	2.8	506.8	9.4	3.44	0.46	3.70	0.28	3.55	0.35	1,957
	New York	126.6	2.7	126.0	2.8	126.9	2.8	127.1	2.8	506.6	9.5	3.45	0.43	3.69	0.28	3.56	0.33	3,471
	Pennsylvania	126.8	2.6	126.3	2.7	127.1	2.7	127.2	2.6	507.4	8.9	3.52	0.38	3.74	0.26	3.61	0.30	1,646
	Rhode Island	126.8	2.7	126.5	2.5	127.4	2.5	127.3	2.4	507.9	8.2	3.54	0.38	3.74	0.26	3.63	0.31	93
	Vermont	126.8	2.3	127.0	2.5	127.0	2.2	127.8	2.4	508.6	7.5	3.58	0.32	3.70	0.27	3.63	0.26	104
Total for the Region		126.7	2.7	126.2	2.8	127.1	2.7	127.2	2.7	507.2	9.3	3.47	0.42	3.70	0.28	3.57	0.33	10,675
Central	Illinois	126.4	2.7	125.9	2.7	126.6	2.7	126.9	2.6	505.8	9.0	3.44	0.43	3.71	0.28	3.56	0.34	2,261
	Indiana	126.5	2.5	125.9	2.7	126.6	2.5	126.8	2.6	505.8	8.5	3.57	0.40	3.77	0.28	3.65	0.32	826
	Iowa	126.5	2.3	126.2	2.4	127.0	2.4	127.2	2.5	506.9	7.9	3.56	0.37	3.76	0.25	3.65	0.29	386
	Kansas	125.7	2.5	125.9	2.5	126.1	2.6	126.4	2.6	504.0	8.5	3.53	0.38	3.77	0.27	3.63	0.30	577
	Michigan	126.3	2.7	125.7	2.7	126.6	2.7	126.9	2.7	505.5	9.1	3.47	0.43	3.73	0.28	3.59	0.33	2,066
	Minnesota	126.4	2.5	126.3	2.5	126.7	2.5	127.1	2.5	506.4	8.2	3.50	0.40	3.74	0.26	3.61	0.30	1,006
	Missouri	126.3	2.7	126.2	2.6	126.7	2.7	126.8	2.7	506.0	9.0	3.57	0.38	3.77	0.27	3.66	0.30	724
	Nebraska	126.2	2.5	126.1	2.6	126.6	2.4	126.8	2.5	505.7	8.0	3.53	0.39	3.79	0.28	3.64	0.31	303
	North Dakota	125.4	2.4	124.9	2.7	125.4	2.5	125.9	2.7	501.7	8.3	3.54	0.42	3.80	0.22	3.66	0.31	157
	Ohio	126.5	2.6	126.1	2.6	126.8	2.5	127.0	2.6	506.3	8.6	3.50	0.41	3.77	0.25	3.61	0.32	1,630
	South Dakota	125.9	2.4	125.7	2.3	126.4	2.5	126.2	2.5	504.1	7.7	3.55	0.43	3.77	0.28	3.65	0.34	163
	Wisconsin	126.7	2.6	126.1	2.5	126.9	2.6	127.2	2.6	506.9	8.4	3.55	0.39	3.75	0.26	3.64	0.31	813
	Total for the Region		126.4	2.6	126.0	2.6	126.6	2.6	126.9	2.6	505.8	8.7	3.50	0.41	3.75	0.27	3.61	0.32
South	Alabama	125.8	2.6	125.9	2.6	126.1	2.5	126.4	2.6	504.1	8.4	3.52	0.42	3.76	0.29	3.63	0.33	619
	Arkansas	125.5	2.6	125.5	2.7	125.8	2.5	126.0	2.6	502.8	8.7	3.51	0.44	3.76	0.30	3.61	0.35	352
	Florida	125.8	2.6	125.4	2.7	126.0	2.7	126.5	2.7	503.7	9.1	3.42	0.45	3.70	0.29	3.54	0.35	3,509
	Georgia	125.6	2.8	125.3	2.7	125.8	2.8	126.1	2.8	503.0	9.5	3.40	0.45	3.68	0.31	3.52	0.36	1,584
	Kentucky	125.7	2.4	125.7	2.6	126.1	2.5	126.5	2.6	504.0	8.3	3.48	0.42	3.78	0.29	3.60	0.33	539
	Louisiana	125.0	2.4	125.2	2.7	125.5	2.5	125.8	2.7	501.6	8.6	3.46	0.44	3.70	0.31	3.55	0.36	864
	Mississippi	124.5	2.6	124.9	2.6	125.0	2.5	125.2	2.6	499.6	8.6	3.41	0.47	3.73	0.30	3.55	0.37	475
	North Carolina	126.3	2.9	126.2	2.8	126.6	2.8	126.9	2.8	506.0	9.7	3.44	0.43	3.68	0.30	3.55	0.34	1,311
	Oklahoma	125.7	2.6	126.0	2.6	125.9	2.5	126.4	2.5	504.0	8.4	3.52	0.40	3.75	0.29	3.62	0.32	415
	Puerto Rico	123.7	2.5	122.6	2.4	124.2	2.6	123.6	2.7	494.1	8.4	3.30	0.50	3.68	0.33	3.46	0.39	590
	South Carolina	125.1	2.7	125.5	2.7	125.7	2.8	126.1	2.6	502.4	9.1	3.49	0.42	3.73	0.28	3.60	0.33	712

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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		
Region	State of Legal Residence																		
	Tennessee	125.6	2.7	125.7	2.6	126.0	2.7	126.3	2.7	503.7	9.1	3.48	0.45	3.72	0.33	3.58	0.37	875	
	Texas	125.8	2.8	125.6	2.7	126.1	2.8	126.4	2.8	503.9	9.5	3.45	0.44	3.70	0.30	3.55	0.36	4,559	
	Virginia	126.5	2.7	126.1	2.7	126.7	2.7	127.1	2.6	506.4	9.0	3.42	0.42	3.66	0.28	3.52	0.34	1,438	
	West Virginia	125.6	2.6	125.5	2.4	125.9	2.6	126.1	2.6	503.1	8.2	3.55	0.41	3.78	0.27	3.64	0.32	262	
	Total for the Region	125.7	2.8	125.5	2.8	126.0	2.7	126.3	2.8	503.5	9.4	3.44	0.44	3.70	0.30	3.55	0.35	18,104	
West	Alaska	125.7	2.5	126.0	2.4	126.0	2.3	126.5	2.4	504.3	7.5	3.35	0.41	3.65	0.28	3.47	0.32	75	
	Arizona	125.7	2.7	125.6	2.6	126.0	2.7	126.4	2.7	503.7	9.0	3.47	0.43	3.73	0.28	3.59	0.33	966	
	California	127.1	2.7	126.1	2.7	127.3	2.6	127.5	2.7	508.0	9.0	3.44	0.42	3.68	0.28	3.53	0.33	6,237	
	Colorado	126.5	2.5	126.4	2.6	127.0	2.5	127.2	2.5	507.2	8.3	3.49	0.42	3.70	0.29	3.58	0.34	800	
	Hawaii	126.1	2.7	125.1	2.5	126.4	2.8	126.5	2.8	504.0	9.1	3.47	0.40	3.72	0.30	3.57	0.33	259	
	Idaho	126.3	2.5	125.9	2.5	126.3	2.6	126.7	2.5	505.0	8.1	3.51	0.43	3.76	0.26	3.63	0.31	182	
	Montana	125.9	2.3	126.3	2.4	126.8	2.3	126.8	2.3	505.9	7.4	3.50	0.39	3.73	0.28	3.60	0.30	136	
	Nevada	125.8	2.6	125.3	2.6	126.4	2.5	126.5	2.7	503.9	8.8	3.41	0.46	3.70	0.29	3.53	0.36	368	
	New Mexico	124.9	2.5	125.3	2.6	125.5	2.5	125.9	2.7	501.6	8.5	3.47	0.43	3.73	0.29	3.59	0.34	311	
	Oregon	126.6	2.4	126.3	2.6	127.0	2.4	127.2	2.4	507.1	7.8	3.51	0.37	3.71	0.26	3.59	0.29	509	
	Utah	126.9	2.3	126.4	2.5	127.2	2.4	127.2	2.4	507.7	7.8	3.57	0.37	3.76	0.25	3.66	0.29	594	
	Washington	126.8	2.7	126.4	2.8	127.0	2.7	127.2	2.6	507.3	8.9	3.42	0.42	3.69	0.27	3.54	0.31	1,066	
	Wyoming	126.1	2.4	126.2	2.3	127.0	2.2	126.7	2.3	505.9	7.0	3.58	0.32	3.77	0.24	3.66	0.27	67	
Total for the Region	126.7	2.7	126.1	2.7	127.0	2.6	127.2	2.7	507.0	8.9	3.45	0.42	3.69	0.28	3.55	0.33	11,570		
U.S. Territories and Possessions		125.0	3.0	124.7	2.9	125.1	3.0	125.9	2.6	500.6	9.8	3.34	0.61	3.70	0.38	3.50	0.48	20	
Legal Residence is Not in the U.S.		127.4	2.6	125.9	2.5	127.8	2.6	127.7	2.6	508.8	8.6	3.53	0.49	3.71	0.32	3.61	0.38	1,195	
Legal Residence is Unknown		127.1	3.2	125.4	2.9	127.0	3.0	126.9	3.0	506.3	10.4	3.61	0.40	3.77	0.23	3.68	0.31	301	
Total Applicants		126.3	2.7	125.9	2.7	126.6	2.7	126.8	2.7	505.6	9.3	3.47	0.43	3.71	0.28	3.57	0.34	52,777	

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.