

AACOMAS Matriculant Profile 2011 Entering Class



Prepared by the Research Department
American Association of Colleges of Osteopathic Medicine

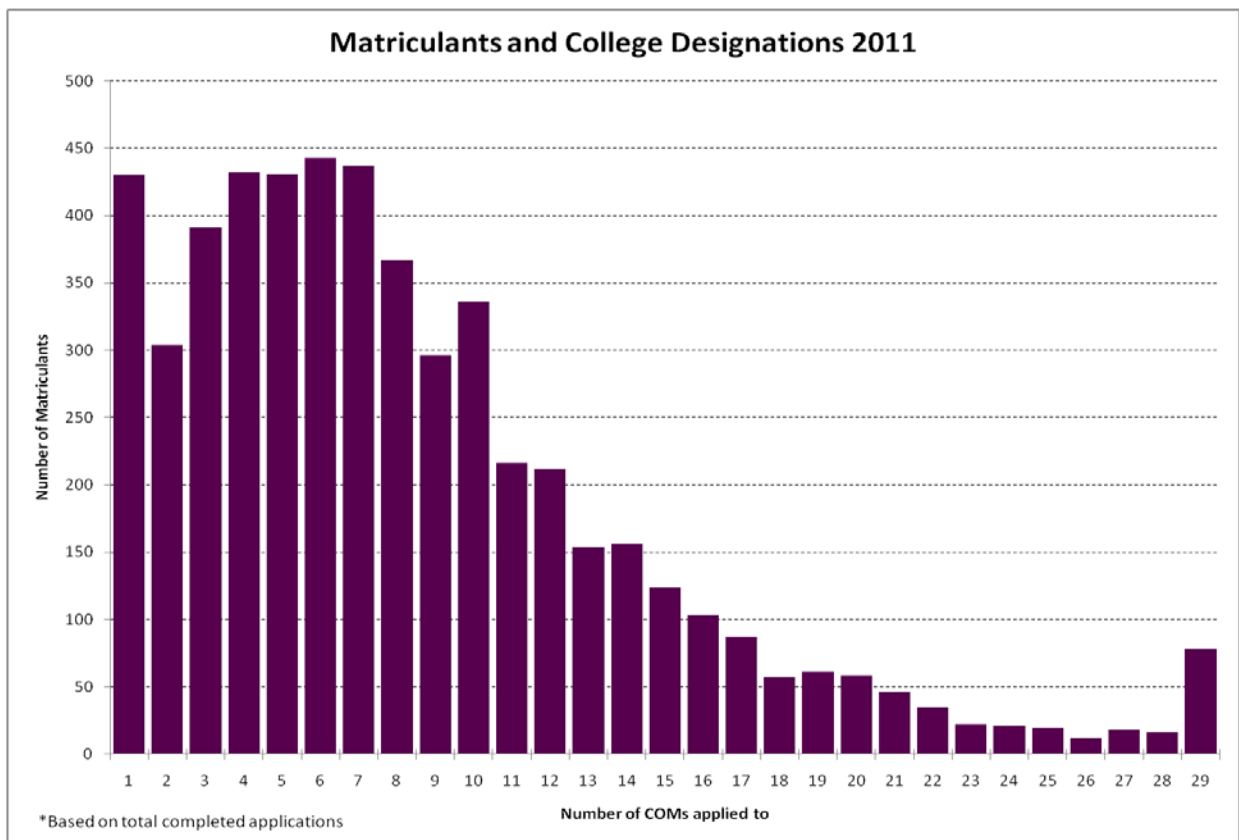
AACOMAS Matriculant Profile

2011 Entering Class

Following are summary tables describing the 2011 matriculants to osteopathic medical schools compiled from data entered by applicants into the American Association of Colleges of Osteopathic Medicine Application Service (AACOMAS) application and additional data provided by the colleges. Of the 5,409 2011 osteopathic medical school matriculants, 5,363 (99 percent) submitted an application through AACOMAS. A total of 46 matriculants had never completed an AACOMAS application – 25 are applicants who applied directly from other programs at the COM in which the applicant enrolled, and 21 matriculants are émigré physicians who applied directly to the NYCOM émigré physician program and did not submit an AACOMAS application. Of the 5,363 matriculants who submitted an application through AACOMAS, 221 had applied in earlier years – four matriculants applied in 2009 and 217 applied in 2010.

The University of North Texas Health Sciences Center College of Osteopathic Medicine matriculants are not included in this analysis because the data are not part of the AACOMAS database. UNTHSC receives its applications through the Texas Medical and Dental School Application Service.

The mean number of applications per matriculant was 8.38.

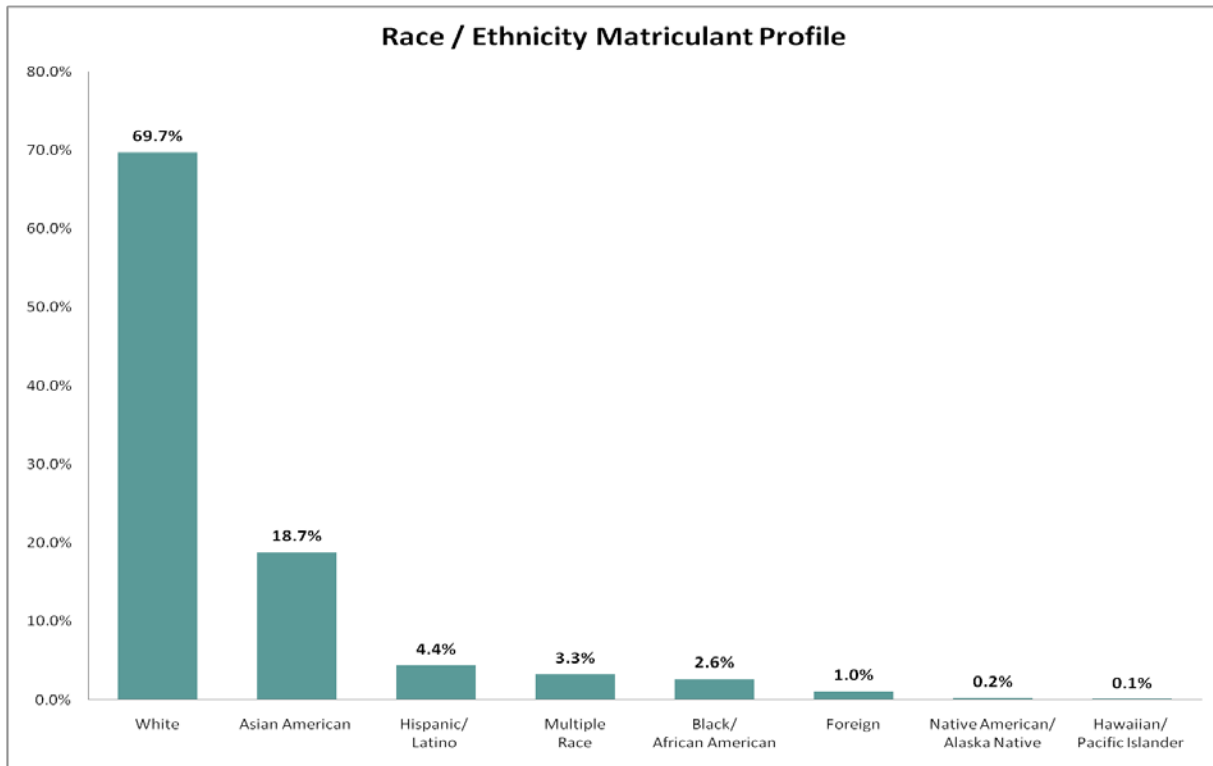


Fifty-six percent of matriculants in 2011 were male and 44 percent were female.

Gender	Number	Percent
Male	2,971	56%
Female	2,346	44%
Missing	46	
Total	5,363	

The race and ethnicity questions on the AACOMAS application ask applicants to mark all that apply.⁵ For this section, race/ethnicity is examined using both: (1) *one race response*, where a single race/ethnicity is counted for each applicant, applicants listing more than one race are reported as “Multiple Races,” and any applicant who marks Hispanic/Latino is counted as being of Hispanic/Latino ethnicity, effectively taking the place of any other race selection s/he may have made; and (2) *multiple category response*, where each matriculant is counted for every race/ethnicity s/he reported, which may result in the same matriculant being counted multiple times. For the tables and figures below, the Multiple Races and Unknown categories do not describe option choices in the AACOMAS application, but are instead respondent behavior (e.g., multiple or missing responses). United States citizens and permanent residents are included in race and ethnicity calculations, while temporary residents and non-U.S. citizens are counted in the Foreign category.

Race and Ethnicity (One Race Response)		
Race/Ethnicity	Number	Percent
White	3,551	69.7%
Asian American ¹	955	18.7%
Hispanic/Latino ²	223	4.4%
Multiple Races	166	3.3%
Black/African American	134	2.6%
Foreign	53	1.0%
Native American/Alaska Native ³	10	0.2%
Hawaiian/Pacific Islander ⁴	3	0.1%
Unknown	268	
Total	5,363	



¹ For the entirety of the report, “Asian American” includes the following groups – Asian Indian, Chinese, Filipino, Japanese, Korean, Pakistani, Vietnamese, and *Other* response entered in Asian.

² For the entirety of the report, “Hispanic/Latino” includes the following groups – Mexican, Cuban, Puerto Rican, and *Other* response entered in Hispanic/Latino/Latina.

³ For the entirety of the report, “Native American/Alaska Native” includes the following groups – American Indian and any specific principal tribal listing.

⁴ For the entirety of the report, “Hawaiian/Pacific Islander” includes the following – Native Hawaiian, Guamanian or Chamorro, Samoan, and *Other* response entered in Native Hawaiian or Other Pacific Islander.

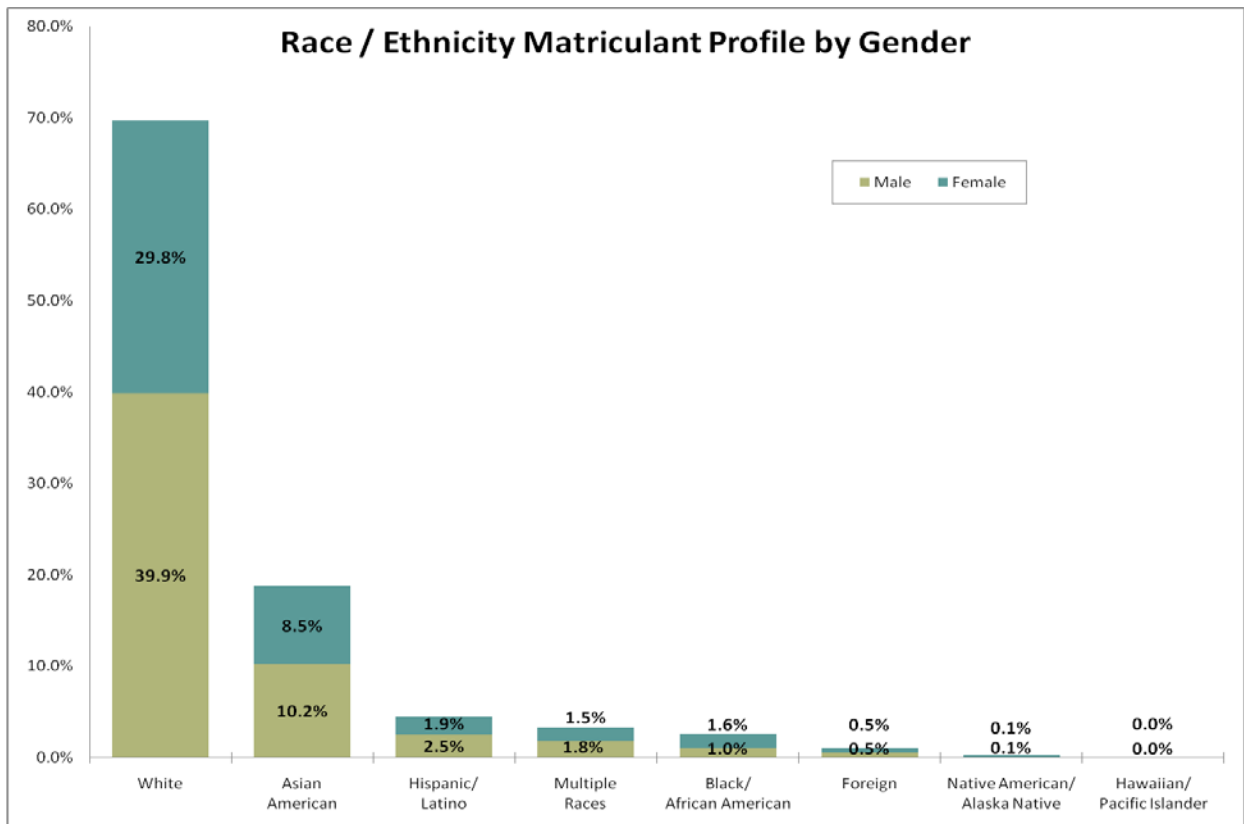
⁵ This follows U.S. Census and IPEDS collection and reporting methodology.

Race and Ethnicity (One Race Response) by Gender			
Number of Matriculants	Male	Female	Total
White	2,034	1,517	3,551
Asian American	520	435	955
Hispanic/Latino	128	95	223
Multiple Races	90	76	166
Black/African American	52	82	134
Foreign	28	25	53
Native American/Alaska Native	7	3	10
Hawaiian/Pacific Islander	2	1	3
Unknown	110	112	222
Total	2,971	2,346	5,317

Note: The total in this table differs from the total number of matriculants due to 46 missing values for gender.

Race and Ethnicity (One Race Response) by Gender			
Percent of Total Matriculants	Male	Female	Total
White	39.9%	29.8%	69.7%
Asian American	10.2%	8.5%	18.7%
Hispanic/Latino	2.5%	1.9%	4.4%
Multiple Races	1.8%	1.5%	3.3%
Black/African American	1.0%	1.6%	2.6%
Foreign	0.5%	0.5%	1.0%
Native American/Alaska Native	0.1%	0.1%	0.2%
Hawaiian/Pacific Islander	0.0%	0.0%	0.1%
Total	56.2%	43.8%	

Note: Percentage calculations do not include matriculants with unidentified gender or unknown race/ethnicity.



Race / Ethnicity (Multiple Category Response)	
<u>Race/Ethnicity</u>	<u>Number</u>
White	3,875
Asian American	1,127
Hispanic/Latino	223
Black/African American	167
Foreign	62
Native American/Alaska Native	46
Hawaiian/Pacific Islander	11
Unknown	268
Unduplicated Total	5,363

Unduplicated Underrepresented Minorities — 370 matriculants — 7 percent.
Underrepresented minorities include matriculants of Hispanic/Latino ethnicity, and Black/African American, Native American/Alaska Native, or Hawaiian/Pacific Islander race.

<u>Age</u>	<u>Number</u>	<u>Percent</u>
20 and Younger	24	0.5%
21 – 25	3,942	74.5%
26 – 30	1,039	19.6%
31 – 40	260	4.9%
41 – 50	23	0.4%
51 and Older	3	0.1%
Missing	72	
Total	5,363	

Note: Age as of July 1, 2011.

Minimum Age: 19.

Maximum Age: 55.

Mean matriculant age: 24.5.

Median matriculant age: 24.

More than one in three matriculants have a family member who is a DO or MD.

<u>Family Member is a DO or MD</u>	<u>Number</u>	<u>Percent</u>
Yes	1,811	34%
No	3,552	66%
Total	5,363	

More than three out of four matriculants have a parent or guardian who holds a baccalaureate degree or higher.

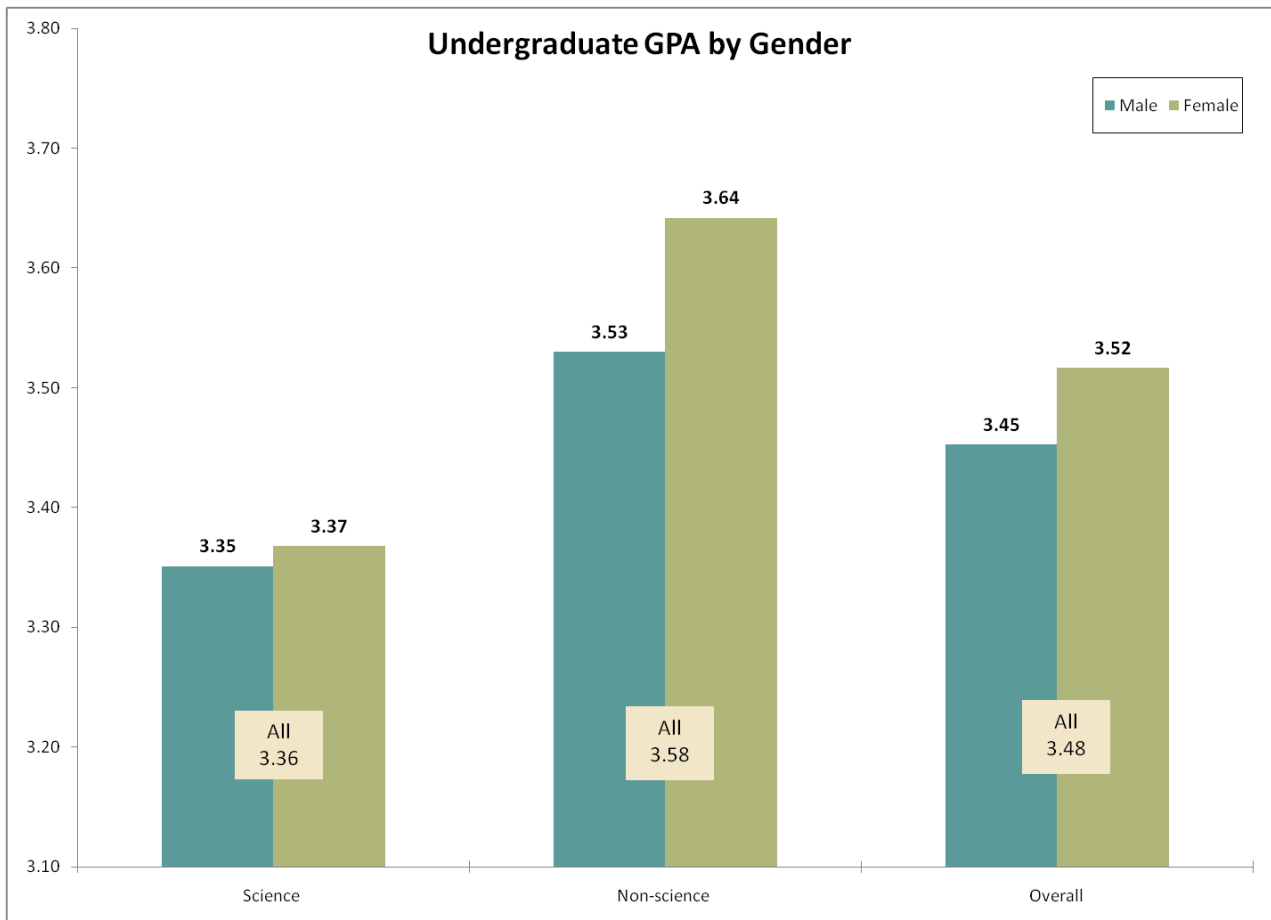
<u>Parent Has a College Education</u>	<u>Number</u>	<u>Percent</u>
Yes	3,804	76%
No	1,224	24%
Total	5,028	

AACOMAS may calculate up to three sets of GPAs for each applicant – undergraduate only, undergraduate and post-baccalaureate, and all coursework – although in many cases there is no difference among them. We have provided means and standard deviations for both the science and non-science GPAs, as well as the overall GPA. The data have been broken down by gender and by race and ethnicity, but are provided only for cells in which there are at least five matriculants.

GPAs were calculated on data from 5,363 sets of data.

GPA	Science	Non-science	Overall
Mean – FR-SR	3.36	3.58	3.48
SD	0.43	0.31	0.30
Mean – FR-SR, PB	3.41	3.59	3.50
SD	0.32	0.29	0.27
Mean All including graduate	3.43	3.59	3.50
SD	0.30	0.29	0.26

Undergraduate GPA by Gender	Science	Non-science	Overall
Mean – Male	3.35	3.53	3.45
SD – Male	0.43	0.32	0.30
Mean – Female	3.37	3.64	3.52
SD – Female	0.43	0.29	0.30



<u>Undergraduate GPA by Race</u>	<u>Science</u>	<u>Non-science</u>	<u>Overall</u>
Mean – White	3.38	3.59	3.50
SD – White	0.43	0.31	0.30
Mean – Asian American	3.33	3.57	3.45
SD – Asian American	0.39	0.28	0.28
Mean – Hispanic/Latino	3.33	3.54	3.45
SD – Hispanic/Latino	0.38	0.30	0.29
Mean – Multiple Races	3.28	3.56	3.44
SD – Multiple Races	0.46	0.28	0.29
Mean – Black/African American	3.14	3.46	3.32
SD – Black/African American	0.43	0.35	0.34
Mean – Foreign	3.41	3.48	3.46
SD – Foreign	0.62	0.60	0.59
Mean – Native American/Alaska Native	3.37	3.56	3.52
SD – Native American/Alaska Native	0.46	0.25	0.17

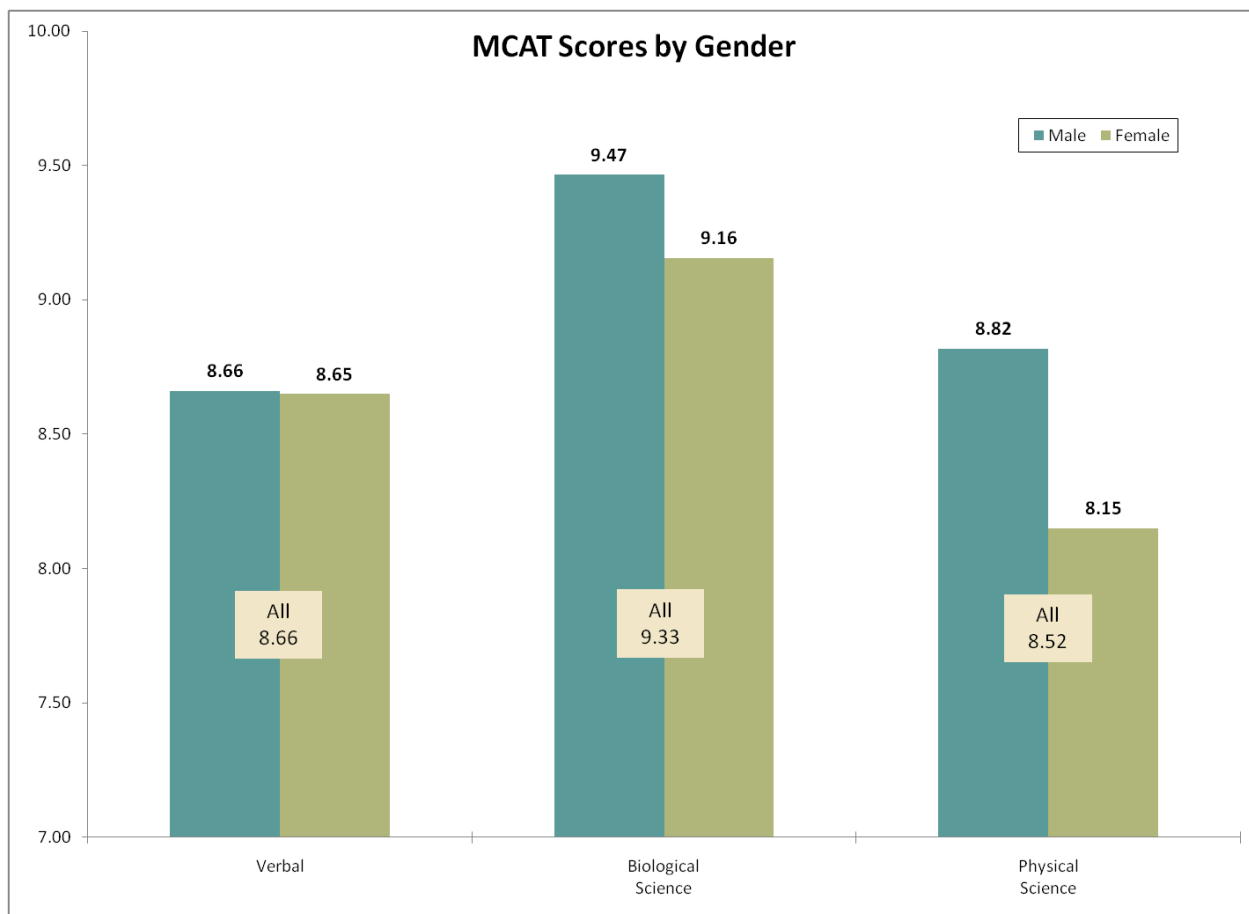
AACOMAS received MCAT data from 5,136 matriculants in 2011. In cases where we received more than one set of scores for a particular matriculant, we have included the set with the highest total score. We have provided the mean, standard deviation, median, mode, and maximum/minimum for each section of the MCAT, as well as the total MCAT score. The median MCAT scores are calculated over all the individual scores and therefore the median of the total is the median of all the individual total MCAT scores. We have provided a breakdown of the mean scores with standard deviations by gender and race/ethnicity for each of the MCAT sections for which there are at least five matriculants in an individual cell.

MCAT Scores were calculated on data from 5,136 sets of scores.

<u>MCAT Score</u>	<u>Verbal</u>	<u>Biological Science</u>	<u>Physical Science</u>	<u>Total</u>
Mean	8.66	9.33	8.52	26.51
SD	1.67	1.40	1.61	3.16
Median	9	9	8	26
Mode	9	10	8	27
Minimum	2	2	2	14
Maximum	15	15	14	41

<u>Distribution of Writing Scores</u>	<u>Score</u>	<u>Number</u>	<u>Percent</u>
	J	15	0.3%
	K	91	1.8%
	L	262	5.1%
	M	1,213	23.6%
	N	473	9.2%
	O	785	15.3%
	P	533	10.4%
	Q	1,201	23.4%
	R	395	7.7%
	S	153	3.0%
	T	15	0.3%

MCAT Scores by Gender	Verbal	Biological Science	Physical Science	Total
Mean – Male	8.66	9.47	8.82	26.95
SD – Male	1.70	1.40	1.61	3.20
Mean – Female	8.65	9.16	8.15	25.95
SD – Female	1.63	1.38	1.51	3.01



MCAT Scores by Race/Ethnicity	Verbal	Biological Science	Physical Science	Total
Mean – White	8.79	9.31	8.42	26.52
SD – White	1.62	1.37	1.55	3.04
Mean – Asian American	8.41	9.59	9.11	27.11
SD – Asian American	1.76	1.36	1.58	3.14
Mean – Hispanic/Latino	8.08	9.11	8.11	25.30
SD – Hispanic/Latino	1.61	1.52	1.61	3.04
Mean – Multiple Races	8.59	9.27	8.51	26.37
SD – Multiple Races	1.63	1.40	1.52	3.02
Mean – Black/African American	7.31	8.01	6.99	22.31
SD – Black/African American	1.74	1.46	1.59	3.15
Mean – Foreign	8.61	10.12	9.63	28.35
SD – Foreign	1.59	1.42	1.48	3.29
Mean – Native American/Alaska Native	8.78	8.78	7.78	25.33
SD – Native American/Alaska Native	1.56	1.48	1.30	2.24



AMERICAN ASSOCIATION OF COLLEGES OF OSTEOPATHIC MEDICINE

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Baccalaureate major – We have grouped all majors that were reported as part of a baccalaureate degree into five groups: Life Sciences, Social Sciences (including Psychology and Education), Physical Sciences (including Mathematics and Engineering), Arts & Humanities and Other. The number of majors may be greater than the number of matriculants, as students can complete more than one baccalaureate degree and may earn a double major.

Baccalaureate Degree Major	Number	Percent
Life Sciences	4,250	66%
Physical Sciences	440	7%
Social Sciences	647	10%
Arts & Humanities	436	7%
Other	651	10%

Listed are the top 20 undergraduate degree-granting feeder colleges providing the largest number of matriculants.

<u>Institution Name</u>	<u>City</u>	<u>Matriculants</u>
Michigan State University	East Lansing, MI	112
University of Florida	Gainesville, FL	92
Brigham Young University	Provo, UT	90
Rutgers, New Brunswick Campus	New Brunswick, NJ	77
University of California–Los Angeles	Los Angeles, CA	76
University of California–Davis	Davis, CA	68
University Of Michigan–Ann Arbor	Ann Arbor, MI	68
University of California–San Diego	La Jolla, CA	66
University of California–Irvine	Irvine, CA	63
Arizona State University–All Campuses	Tempe, AZ	61
Penn State University–All Campuses	University Park, PA	57
University of Illinois at Urbana–Champaign	Champaign, IL	56
University of California–Berkeley	Berkeley, CA	53
Ohio State University–All Campuses	Columbus, OH	49
Wayne State University	Detroit, MI	48
University of Central Florida	Orlando, Florida	44
University of Pittsburgh	Pittsburgh, PA	44
Loyola University of Chicago	Chicago, IL	43
State University of New York–Stony Brook	Stony Brook, NY	43
Virginia Polytechnic Institute and State University	Blacksburg, VA	40

Only 1.1 percent of 2011 matriculants were not U.S. citizens or permanent residents of the United States.

Citizenship	Number	Percent
U.S. Citizen	5,161	96.2%
Permanent Resident	140	2.6%
Temporary Resident	29	0.5%
Non-U.S. Citizens	33	0.6%
Total	5,363	

The permanent country data element is collected separately from citizenship data and refers to country of permanent residence.

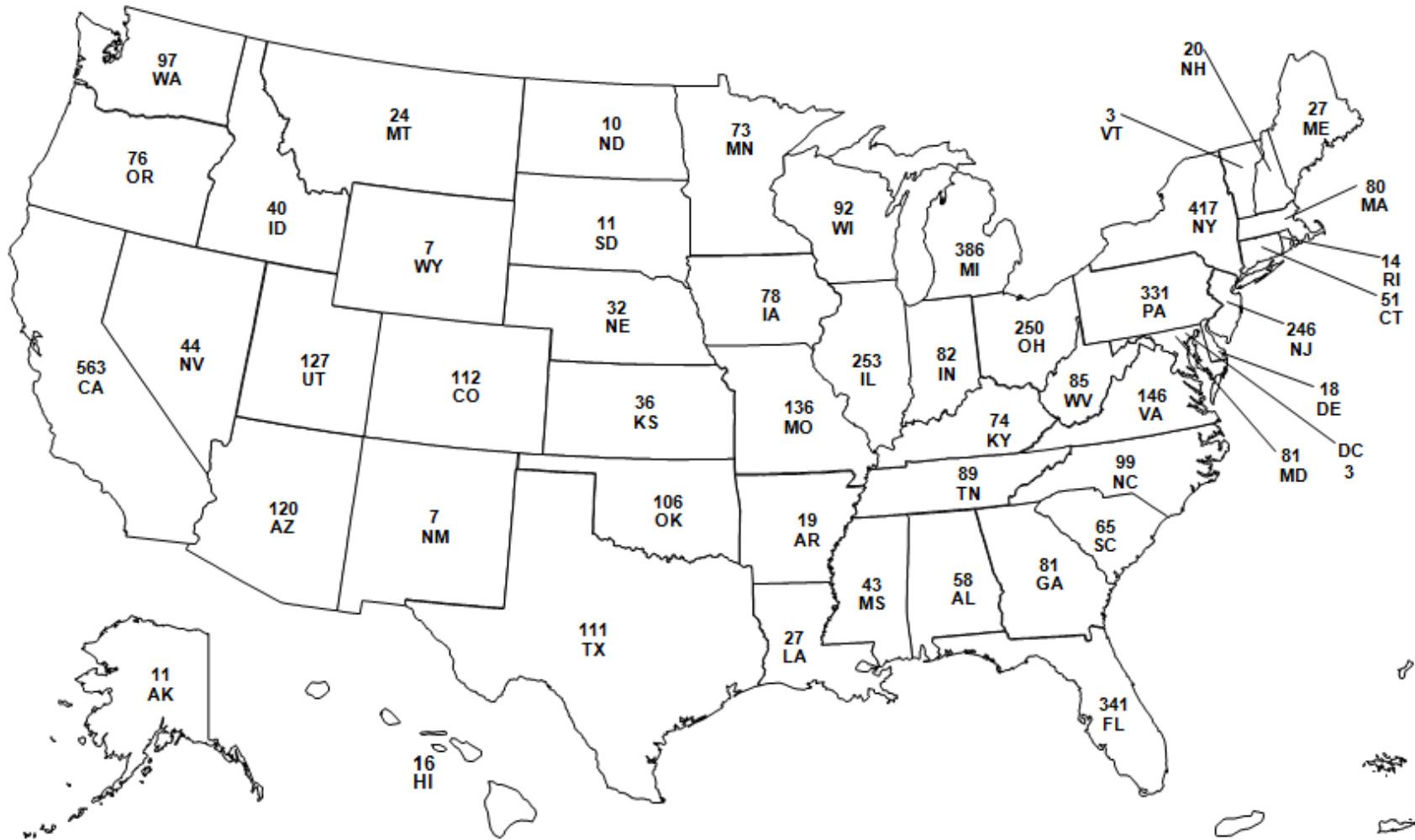
Permanent Country	Number
United States	5,318
Canada	40
Burma	1
Indonesia	1
Japan	1
New Zealand	1
South Korea	1
Total	5,363

<u>U.S. States and Territories</u>	<u>Number</u>	<u>Percent of U.S. Matriculants</u>
Alaska	11	0.2%
Alabama	58	1.1%
Arkansas	19	0.4%
Arizona	120	2.3%
California	563	10.6%
Colorado	112	2.1%
Connecticut	51	1.0%
District of Columbia	3	0.1%
Delaware	18	0.3%
Florida	341	6.4%
Georgia	81	1.5%
Hawaii	16	0.3%
Iowa	78	1.5%
Idaho	40	0.8%
Illinois	253	4.8%
Indiana	82	1.5%
Kansas	36	0.7%
Kentucky	74	1.4%
Louisiana	27	0.5%
Massachusetts	80	1.5%
Maryland	81	1.5%
Maine	27	0.5%
Michigan	386	7.3%
Minnesota	73	1.4%
Missouri	136	2.6%
Mississippi	43	0.8%
Montana	24	0.5%
North Carolina	99	1.9%
North Dakota	10	0.2%
Nebraska	32	0.6%
New Hampshire	20	0.4%
New Jersey	246	4.6%
New Mexico	7	0.1%
Nevada	44	0.8%
New York	417	7.8%
Ohio	250	4.7%
Oklahoma	106	2.0%
Oregon	76	1.4%
Pennsylvania	331	6.2%
Rhode Island	14	0.3%
South Carolina	65	1.2%
South Dakota	11	0.2%
Tennessee	89	1.7%
Texas	111	2.1%
Utah	127	2.4%
Virginia	146	2.7%
Vermont	3	0.1%
Washington	97	1.8%
Wisconsin	92	1.7%
West Virginia	85	1.6%
Wyoming	7	0.1%
Total U.S. Matriculants	5,318	



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U.S. MATRICULANTS PROFILE 2011–12



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Research questions – Since 2010, at the end of the application, applicants have been given the opportunity to answer several optional research questions. Note that these questions were answered before the end of medical school application cycles.

	<u>Matriculants Marking Yes</u>	<u>Response Rate</u>
In the current application year I have/am planning to apply to a U.S. MD-granting medical school	50%	} 78%
In the current application year I have/am planning to apply to an offshore MD granting medical school	7%	
I have applied to a U.S. MD-granting medical school in a prior application year	19%	
I have applied to an offshore MD-granting medical school in a prior application year	1%	
If you were deciding on a medical specialty today, would you specialize in one of the primary care specialties: internal medicine, family medicine or pediatric medicine?	82%	82%
In your preparation for the MCAT, did you make use of any of the commercial MCAT test-preparation services?	83%	83%