

AACOMAS Applicant Pool Profile

2013 Entering Class



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

AACOMAS Applicant Profile – 2013 Entering Class

Following are summary tables describing the 2013 applicants 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. AACOMAS received 137,542 individual school applications from 16,454 applicants for 5,577 COCA-approved seats in Fall 2013. These numbers include all applicants to the 32 colleges of osteopathic medicine and branch campuses that participated in AACOMAS. There were 2.95 applicants for each COCA-approved seat in the first-year class. The mean number of individual school applications per applicant was 8.36.

The data points included in this report are as follows. Due to rounding, not all percents will total to 100 in the tables below.

- **Gender** – Full data are available for all but 201 applicants.
- **Age** – Data are classified into six age groups and calculated as of July 1, 2013. Also provided are the minimum, maximum, mean and median applicant ages. Because AACOMAS does not require applicants to provide date of birth, the number of applicants with missing data is indicated in these tables.
- **Military experience** – The type of military discharge is a distinct question in the AACOMAS application.
- **Race/Ethnicity** – The race and ethnicity questions on the AACOMAS application ask applicants to mark all that apply. For this report, race/ethnicity is examined using both: (1) single category 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 superseding any other race selection(s) s/he may have made; and (2) multiple category response, where each applicant is counted for every race/ethnicity the applicant reported, which may result in the applicant being counted multiple times. For the tables and figures in this report, 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 totals, while temporary residents and non-U.S. citizens are counted in the Foreign category. This follows U.S. Census and IPEDS collection and reporting methodology.
- **Baccalaureate major** – All reported majors leading to a baccalaureate degree were organized 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 applicants, as students can complete more than one baccalaureate degree or may complete multiple majors.
- **GPA** – AACOMAS may calculate up to three sets of GPAs for each applicant: undergraduate only, undergraduate and post-baccalaureate and all coursework. AACOMAS has provided means and standard deviations for both the science and non-science GPAs, as well as the overall GPA. Data are provided only for cells in which there are at least five applicants. The means in the total column are calculated as means of total, not total of means.
- **MCAT scores** – AACOMAS received MCAT data from 14,035 applicants in 2013. For cases in which more than one set of scores for a particular applicant was received, AACOMAS included the set with the highest total score. The mean, standard deviation and median for each section of the MCAT, as well as the total MCAT score, are all included in this report. AACOMAS reports data for which there are at least five applicants in an individual cell. The means in the total column are calculated as means of total, not total of means.
- **Parents' college education** – This is not a required question on the application.
- **Family member is a DO or MD** – Full data are available for all applicants.
- **Feeder colleges** – The top 20 undergraduate feeder colleges providing the largest number of applicants.
- **State of permanent residence** – In 2013, AACOMAS received 203 applications from non-U.S. permanent residents, 175 of whom were Canadian residents. A map displaying all U.S. applicants is also included in this report.
- **Research question** – At the end of the application, applicants have been given the opportunity to answer several optional research questions. These questions were answered before the end of medical school application cycles.

Note: The University of North Texas Health Sciences Center at Fort Worth/Texas College of Osteopathic Medicine and NYIT-COM's émigré program applicants are not included in this analysis because the data are not part of the AACOMAS database. UNTHSC/TCOM receives its applications through the Texas Medical and Dental School Application Service.

AACOMAS Applicant Pool Profile

2013 Entering Class: 16,454

1. Applicant Characteristics

1.1: Applications/Designations*

	Number
Applications	16,454
Designations	137,542

*The maximum number of schools an applicant can apply to is 32.

1.2: Gender

	Number	Percent
Male	8,708	53.6%
Female	7,545	46.4%
Undisclosed	201	
Total	16,454	

1.3: Age as of July 1, 2013

	Number	Percent
20 and Younger	74	0.5%
21 – 25	11,684	72.1%
26 – 30	3,339	20.6%
31 – 40	979	6.0%
41 – 50	110	0.7%
51 and Older	16	0.1%
Undisclosed	252	
Total	16,454	

Minimum Age	18
Maximum Age	60
Mean Age	25
Median Age	24

1.4: Military Experience

	Number	Percent
No Military Experience	16,000	97.4%
Yes, Discharged	247	1.5%
Yes, Still Serving	160	1.0%
Yes, Other than Honorable Discharge	13	0.1%
Invalid Response	34	
Total	16,454	

1.5: Race/Ethnicity – Single Category Response†

	Number	Percent
White	9,447	60.3%
Asian American	3,484	22.2%
Hispanic/Latino	1,027	6.6%
Black/African American	845	5.4%
Multiple Races	569	3.6%
Foreign	238	1.5%
Native American/Alaska Native	38	0.2%
Hawaiian/Pacific Islander	23	0.1%
Undisclosed	783	
Total	16,454	
Underrepresented Minorities*	1,933	11.7%

†: Except when otherwise noted, all race/ethnicity tables and figures are calculated using "single category response."

*Includes Hispanic/Latino ethnicity, Black/African American, Native American/Alaska Native and Hawaiian/Pacific Islander.

Note: Corresponds to Figure 2.

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1.6: Race/Ethnicity by Gender – Frequency	Male	Female	Total
White	5,334	4,106	9,440
Asian American	1,780	1,702	3,482
Hispanic/Latino	524	502	1,026
Black/African American	301	544	845
Multiple Races	303	266	569
Foreign	121	116	237
Native American/Alaska Native	21	17	38
Hawaiian/Pacific Islander	12	11	23
Undisclosed	312	281	593
Total	8,708	7,545	16,253

Note: Race/Ethnicity by gender table does not include applicants with undisclosed gender.

1.6a: Race/Ethnicity by Gender – Percent	Male	Female	Total
White	34.1%	26.2%	60.3%
Asian American	11.4%	10.9%	22.2%
Hispanic/Latino	3.3%	3.2%	6.6%
Black/African American	1.9%	3.5%	5.4%
Multiple Races	1.9%	1.7%	3.6%
Foreign	0.8%	0.7%	1.5%
Native American/Alaska Native	0.1%	0.1%	0.2%
Hawaiian/Pacific Islander	0.1%	0.1%	0.1%
Total	53.6%	46.4%	

Note: Race/Ethnicity by gender table does not include applicants with undisclosed gender and race/ethnicity.

Note: Corresponds to Figure 3.

Note: Due to rounding, the sum of male/female percents in a particular row may differ from the "total" shown in that row.

1.7: Race/Ethnicity – Multiple Category Responses	Number	Percent
White	10,605	61.4%
Asian American	4,088	23.7%
Hispanic/Latino	1,027	5.9%
Black/African American	1,025	5.9%
Foreign	272	1.6%
Native American/Alaska Native	176	1.0%
Hawaiian/Pacific Islander	73	0.4%
Undisclosed	783	
Total	18,049	

2. Baccalaureate Degree Majors

2.1: Baccalaureate Degree Major	Number	Percent
Life Sciences	13,348	67.8%
Social Sciences	2,089	10.6%
Physical Sciences	1,440	7.3%
Arts & Humanities	1,462	7.4%
Other	1,344	6.8%

Note: The number of majors may be greater than the number of applicants, as students can complete multiple baccalaureate degrees/majors.

3. GPA and Semester Hours

3.1: GPA – All Academic Levels	Science	Non-science	Overall
Mean – FR–SR	3.27	3.54	3.42
SD	0.48	0.35	0.35
Mean – FR–SR, PB	3.33	3.55	3.44
SD	0.39	0.33	0.32
Mean All Including Graduate	3.34	3.55	3.44
SD	0.37	0.32	0.30



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3.2: Undergraduate GPA Range	Science	Non-science	Overall
3.60 – 4.00	4,088	8,370	5,356
3.20 – 3.59	6,146	5,745	7,339
2.80 – 3.19	4,158	1,864	3,056
2.40 – 2.79	1,507	398	604
2.00 – 2.39	379	49	77
Less than 2.00	176	28	22

Note: Percentages provided in Figure 4.

3.3: Undergraduate GPA by Gender	Science	Non-science	Overall
Mean – Male	3.28	3.49	3.40
SD – Male	0.47	0.37	0.35
Mean – Female	3.26	3.59	3.45
SD – Female	0.50	0.32	0.34

Note: Corresponds to Figure 5.

3.4: Undergraduate GPA by Race/Ethnicity	Science	Non-science	Overall
Mean – White	3.33	3.57	3.46
SD – White	0.47	0.34	0.33
Mean – Asian American	3.23	3.53	3.39
SD – Asian American	0.48	0.35	0.35
Mean – Hispanic/Latino	3.18	3.45	3.33
SD – Hispanic/Latino	0.44	0.35	0.34
Mean – Black/African American	2.98	3.37	3.20
SD – Black/African American	0.52	0.39	0.37
Mean – Multiple Races	3.18	3.49	3.35
SD – Multiple Races	0.48	0.36	0.36
Mean – Foreign	3.41	3.54	3.48
SD – Foreign	0.49	0.39	0.39
Mean – Native American/Alaska Native	3.14	3.44	3.30
SD – Native American/Alaska Native	0.73	0.68	0.69
Mean – Hawaiian/Pacific Islander*	3.25	3.55	3.40
SD – Hawaiian/Pacific Islander*	0.47	0.30	0.36

*Hawaiian/Pacific Islander matriculants are not included in this table because there were fewer than 5 cases.

3.5: Semester Hours	Undergrad	Post-Bac	Graduate	Total
Median – Biology/Zoology	30.40	10.00	14.00	33.90
SD – Biology/Zoology	14.71	9.26	10.44	34.93
Median – Inorganic Chemistry	10.00	8.00	4.00	10.00
SD – Inorganic Chemistry	5.48	3.63	5.24	7.04
Median – English	9.00	3.00	3.00	9.00
SD – English	6.26	3.05	6.04	7.17
Median – Organic Chemistry	9.00	8.00	4.00	9.00
SD – Organic Chemistry	3.11	3.31	4.75	4.92
Median – Biochemistry	4.00	3.00	4.00	3.00
SD – Biochemistry	3.59	2.19	3.89	8.33
Median – Physics	8.00	8.00	4.00	8.00
SD – Physics	4.08	2.96	4.64	6.99
Median – Other Science	6.00	3.30	6.00	4.00
SD – Other Science	13.37	9.44	8.62	25.89
Median – Math	11.40	4.00	3.00	12.00
SD – Math	8.45	4.28	3.84	11.72
Median – Behavioral Science	9.00	3.00	3.00	9.00
SD – Behavioral Science	12.29	4.91	7.02	18.81
Median – Other Non-Science	35.00	5.00	6.00	37.00
SD – Other Non-Science	27.29	14.96	10.71	39.56
Median – Total Hours	141.00	22.00	26.00	152.00

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4. MCAT Scores

4.1: MCAT Scores	Verbal	Biological Sci.	Physical Sci.	Total
Mean	8.41	9.05	8.44	25.90
SD	1.92	1.70	1.88	4.17
Median	9.00	9.00	8.00	26.00

4.2: MCAT Score Range	Number	Percent
40 – 45	2	0.0%
35 – 40	197	1.4%
30 – 34	2,401	17.1%
25 – 29	6,571	46.8%
20 – 24	3,954	28.2%
15 – 19	791	5.6%
6 – 14	119	0.8%
Less than 5	0	0.0%

4.3: Distribution of Writing Scores	Number	Percent
Low – J	30	0.2%
K	253	1.9%
L	757	5.5%
M	3,102	22.7%
N	1,306	9.6%
O	1,999	14.6%
P	1,498	11.0%
Q	3,134	22.9%
R	1,154	8.4%
S	388	2.8%
High – T	36	0.3%

4.4: MCAT Scores by Gender	Verbal	Biological Sci.	Physical Sci.	Total
Mean – Male	8.48	9.27	8.80	26.54
SD – Male	1.90	1.69	1.86	4.10
Mean – Female	8.34	8.80	8.02	25.16
SD – Female	1.95	1.67	1.80	4.11

Note: Corresponds to Figure 6.

4.5: MCAT Scores by Race/Ethnicity	Verbal	Biological Sci.	Physical Sci.	Total
Mean – White	8.67	9.13	8.39	26.18
SD – White	1.81	1.63	1.80	3.92
Mean – Asian American	8.12	9.24	8.95	26.31
SD – Asian American	1.96	1.69	1.88	4.20
Mean – Hispanic/Latino	7.99	8.59	7.86	24.45
SD – Hispanic/Latino	1.94	1.66	1.73	4.03
Mean – Black/African American	6.93	7.71	7.02	21.66
SD – Black/African American	2.05	1.80	1.67	4.15
Mean – Multiple Races	8.48	8.88	8.30	25.66
SD – Multiple Races	1.93	1.76	1.93	4.34
Mean – Foreign	8.05	9.73	9.47	27.25
SD – Foreign	2.07	1.67	1.88	4.33
Mean – Native American/Alaska Native	8.55	8.15	7.00	23.70
SD – Native American/Alaska Native	2.00	2.12	1.80	4.63
Mean – Hawaiian/Pacific Islander*	8.06	8.11	7.89	24.06
SD – Hawaiian/Pacific Islander*	2.07	1.78	1.91	4.50

*Hawaiian/Pacific Islander matriculants are not included in this table because there were fewer than 5 cases.

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5. Familiarity with Osteopathic Medicine

5.1: Met with AACOM or Osteopathic College Representative	Number	Percent
Have not met with/heard presentation	8,411	51.1%
Have met with/heard presentation by AACOM representative	562	3.4%
Have met with/heard presentation by med. education representative	6,442	39.2%
Have met with/heard presentation by both	1,039	6.3%
Total	16,454	

5.2: First Learn About Osteopathic Medicine	Number	Percent
Advisor	4,000	24.4%
DO	5,418	33.0%
College Representative	1,398	8.5%
Mailing	60	0.4%
AACOM	259	1.6%
Other	3,832	23.4%
Internet	1,438	8.8%
Undisclosed	49	
Total	16,454	

6. Applicant's Family and Prior Medical Education

6.1: Parents' College Education	Number	Percent
Yes	12,149	74.7%
No	4,115	25.3%
Undisclosed	190	
Total	16,454	

6.2: Family Member is a DO or MD	Number	Percent
Yes	5,746	34.9%
No	10,708	65.1%
Total	16,454	

6.3: Prior Medical Education	Number	Percent
Yes	194	1.2%
No	16,260	98.8%
Total	16,454	

7. Feeder Colleges

7.1: Top 20 Feeder Institutions	Number
Michigan State University	304
University of Michigan-Ann Arbor	274
University of California-UCLA	268
Rutgers, The State University of NJ	253
Brigham Young University	245
University of California-San Diego	238
University of Florida	238
University of California-Irvine	218
Penn State University-All Campuses	205
University of California-Davis	181
Arizona State University-All Campuses	176
University of South Florida	175
University of California-Berkeley	167
Ohio State University-All Campuses	163
Suny-Stony Brook	157
University of Central Florida	157



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7.1: Top 20 Feeder Institutions (Cont.)

	Number
University of Illinois at Urbana-Champaign	142
University of Washington	127
University of Miami	120
Wayne State University	119

8. Citizenship and Geographic Origin

8.1: Citizenship	Number	Percent
U.S. Citizen	15,628	95.0%
Permanent Resident	554	3.4%
Temporary Resident	104	0.6%
Non-Citizen	168	1.0%
Total	16,454	

8.2: Permanent Country	Number	Percent
United States	16,251	98.8%
Canada	175	1.1%
Albania	1	
Bahamas	2	
Chile	1	
China	2	
Colombia	1	
Georgia	1	
Germany	2	
India	2	
Indonesia	1	
Japan	2	
Jordan	1	
Lebanon	1	
Mexico	1	
Nigeria	1	
Norway	1	
Poland	1	
Rwanda	1	
South Africa	1	
Taiwan	2	
Turkey	1	
United Arab Emirates	1	
United Kingdom	1	
Total	16,454	0.2%

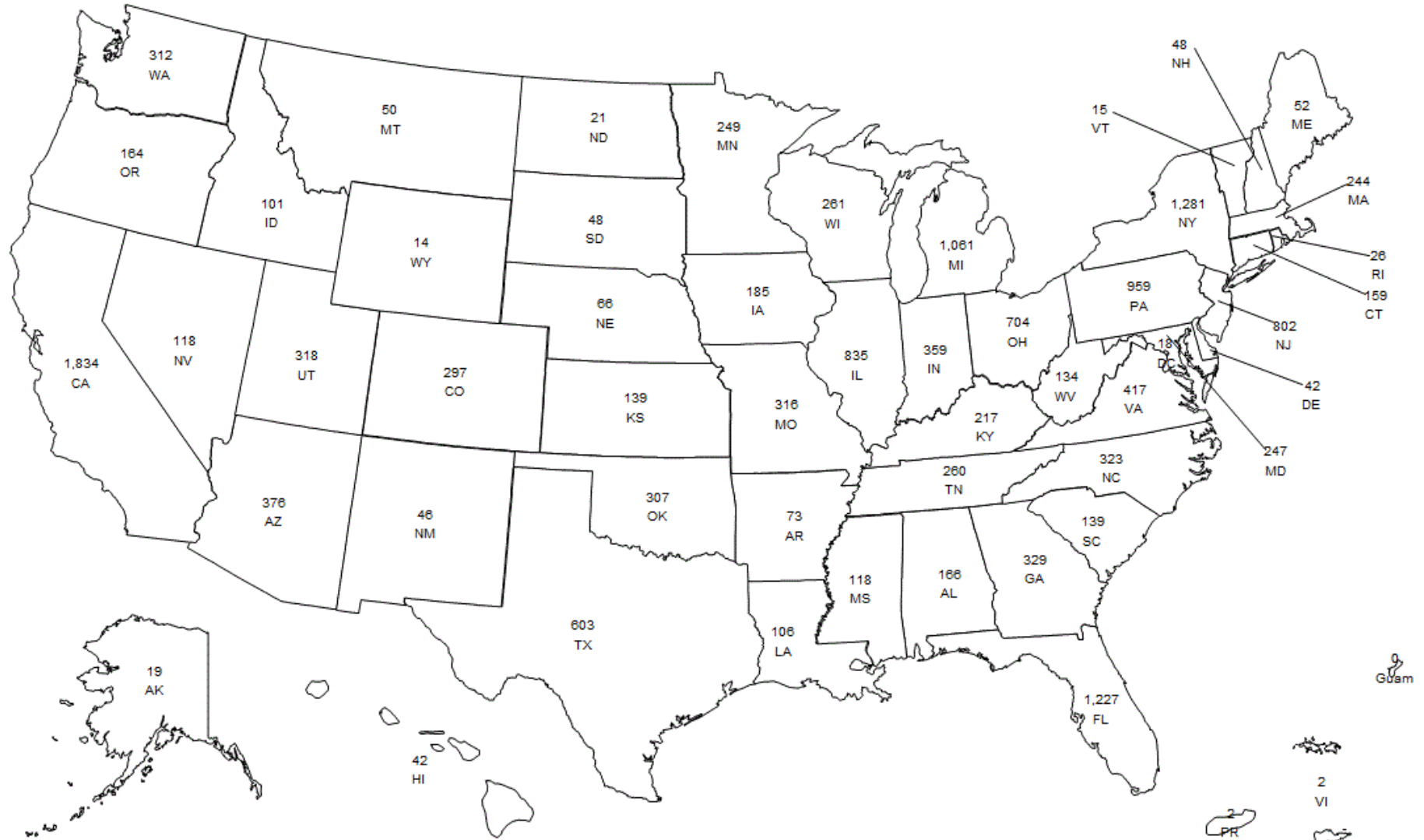
8.3: U.S. States and Territories of Residence	Number	Percent
Alabama	166	1.0%
Alaska	19	0.1%
Arizona	376	2.3%
Arkansas	73	0.4%
California	1,834	11.1%
Colorado	297	1.8%
Connecticut	159	1.0%
Delaware	42	0.3%
District of Columbia	18	0.1%
Florida	1,227	7.5%
Georgia	329	2.0%
Guam	0	0.0%
Hawaii	42	0.3%

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8.3: U.S. States and Territories of Residence (Cont.)	Number	Percent
Idaho	101	0.6%
Illinois	835	5.1%
Indiana	359	2.2%
Iowa	185	1.1%
Kansas	139	0.8%
Kentucky	217	1.3%
Louisiana	106	0.6%
Maine	52	0.3%
Maryland	247	1.5%
Massachusetts	244	1.5%
Michigan	1,061	6.4%
Minnesota	249	1.5%
Mississippi	118	0.7%
Missouri	316	1.9%
Montana	50	0.3%
Nebraska	66	0.4%
Nevada	118	0.7%
New Hampshire	48	0.3%
New Jersey	802	4.9%
New Mexico	46	0.3%
New York	1,281	7.8%
North Carolina	323	2.0%
North Dakota	21	0.1%
Ohio	704	4.3%
Oklahoma	307	1.9%
Oregon	164	1.0%
Pennsylvania	959	5.8%
Puerto Rico	2	0.0%
Rhode Island	26	0.2%
South Carolina	139	0.8%
South Dakota	48	0.3%
Tennessee	260	1.6%
Texas	603	3.7%
Utah	318	1.9%
Vermont	15	0.1%
Virgin Islands	2	0.0%
Virginia	417	2.5%
Washington	312	1.9%
West Virginia	134	0.8%
Wisconsin	261	1.6%
Wyoming	14	0.1%
U.S. Permanent Residents	16,251	98.8%
Non-U.S. Permanent Residents	203	1.2%
Total	16,454	

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9. Research Question

9.1: Plans to Apply to MD-Granting Medical School	Applicants Marking Yes	Response Rate
In the current application year, I have/am planning to apply to a U.S. MD-granting medical school	47.2%	73.6%
In the current application year, I have/am planning to apply to an offshore MD-granting medical school	7.9%	
I have applied to a U.S. MD-granting medical school in a prior application year	16.6%	
I have applied to an offshore MD-granting medical school in a prior application year	1.9%	
<u>Percent of all responses</u>		
9.2: Medical Specialty Choice		
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?	81.4%	72.6%
9.3: Commercial MCAT Test-Preparation Services		
In your preparation for the MCAT, did you make use of any of the commercial MCAT test-preparation services?	77.0%	73.3%
<u>Percent of valid responses</u>		

Figure 1: College Designations

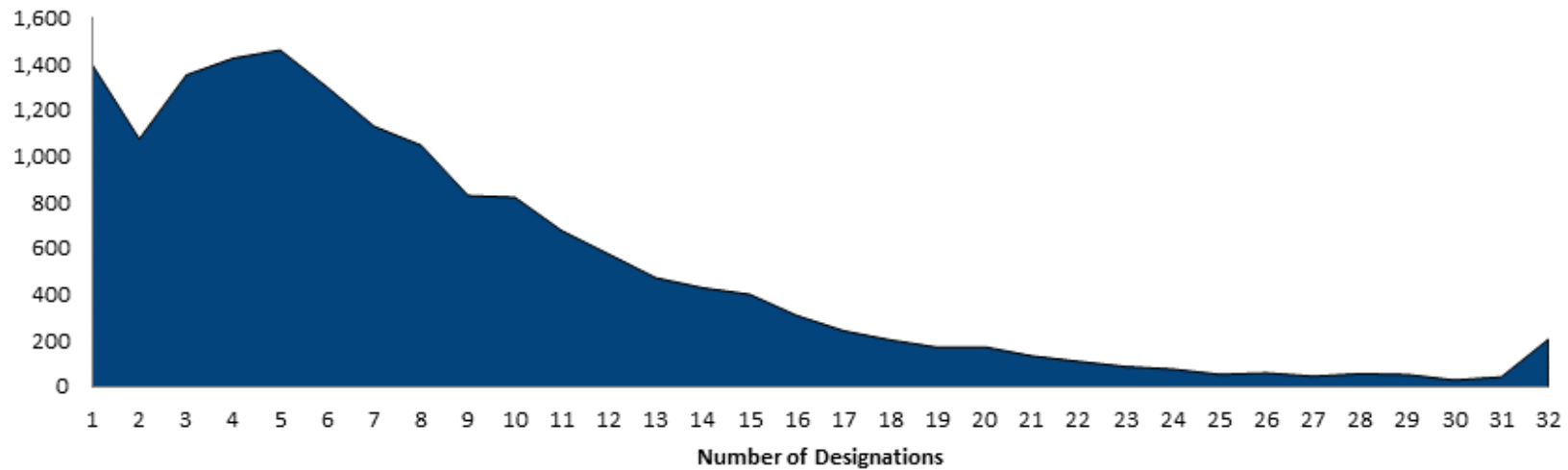


Figure 2: Race/Ethnicity Percentages
Single Category Response

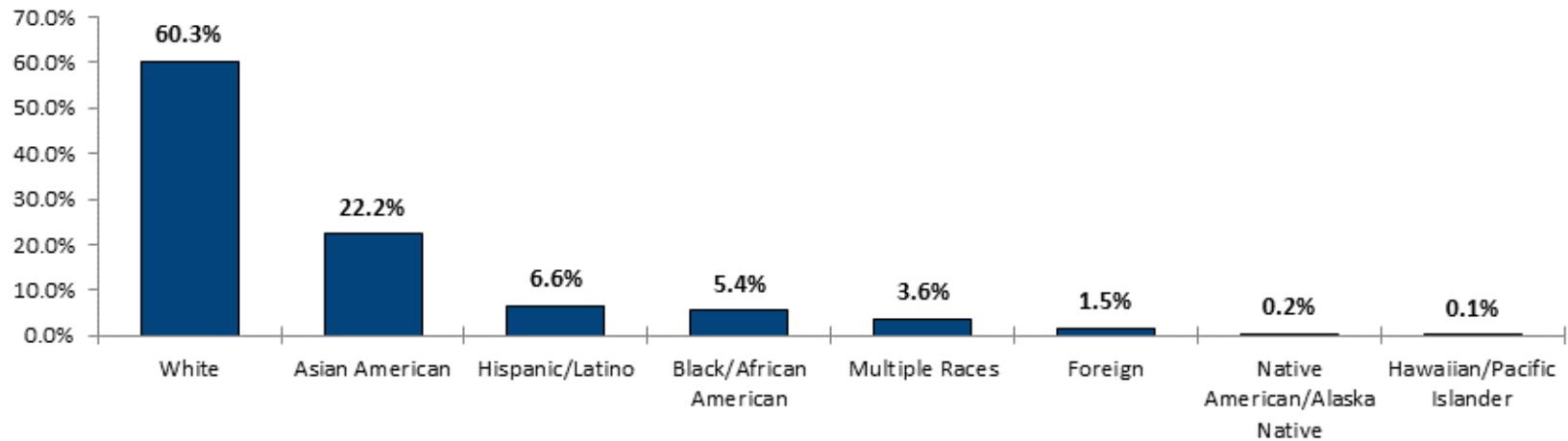


Figure 3: Race/Ethnicity Percentages by Gender
Single Category Response

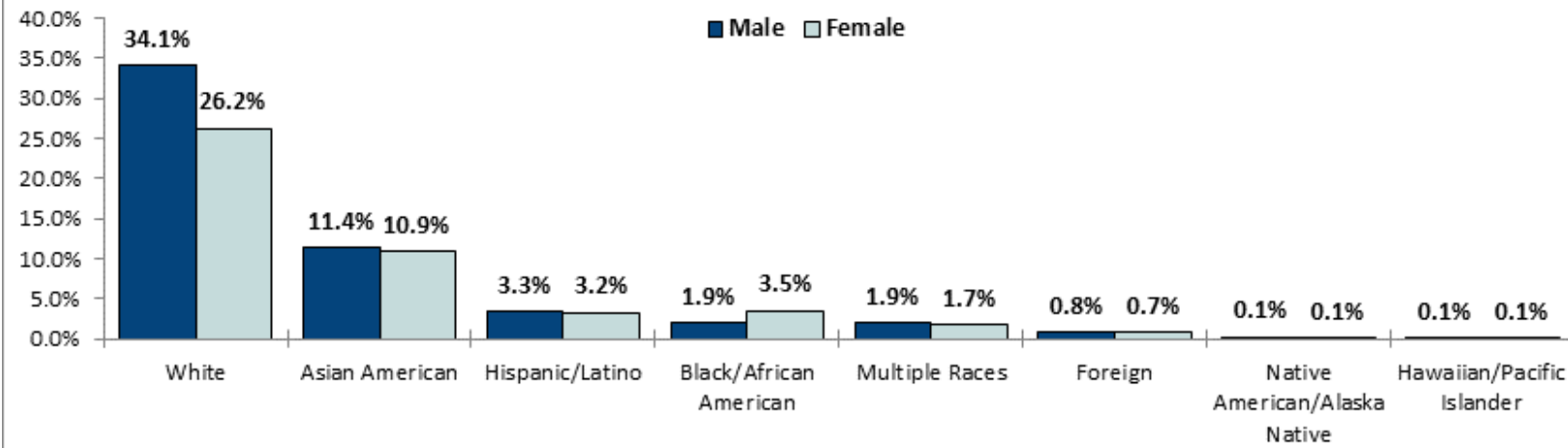


Figure 4: Undergraduate GPA Range Percentage

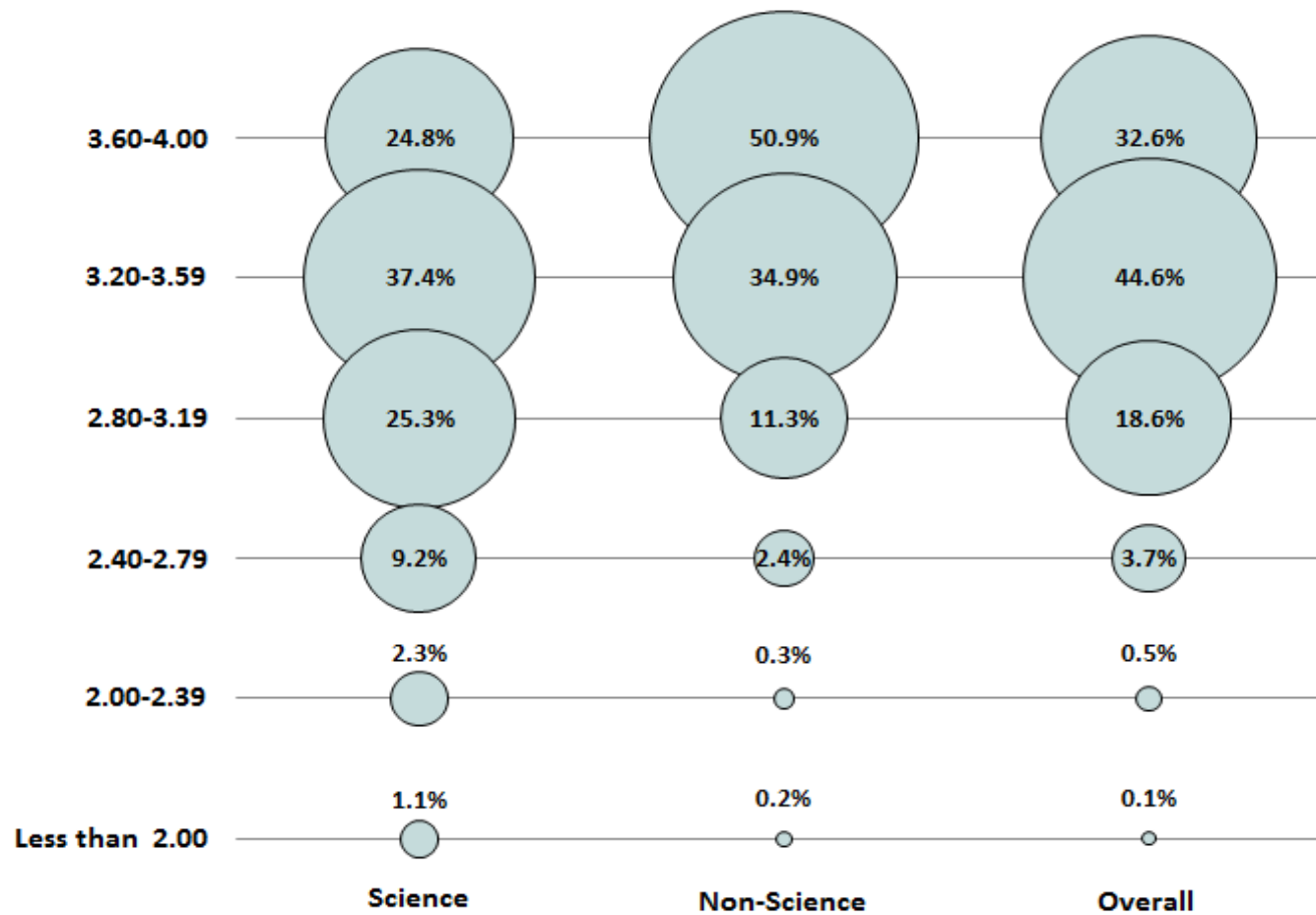


Figure 5: Mean Undergraduate GPA by Gender

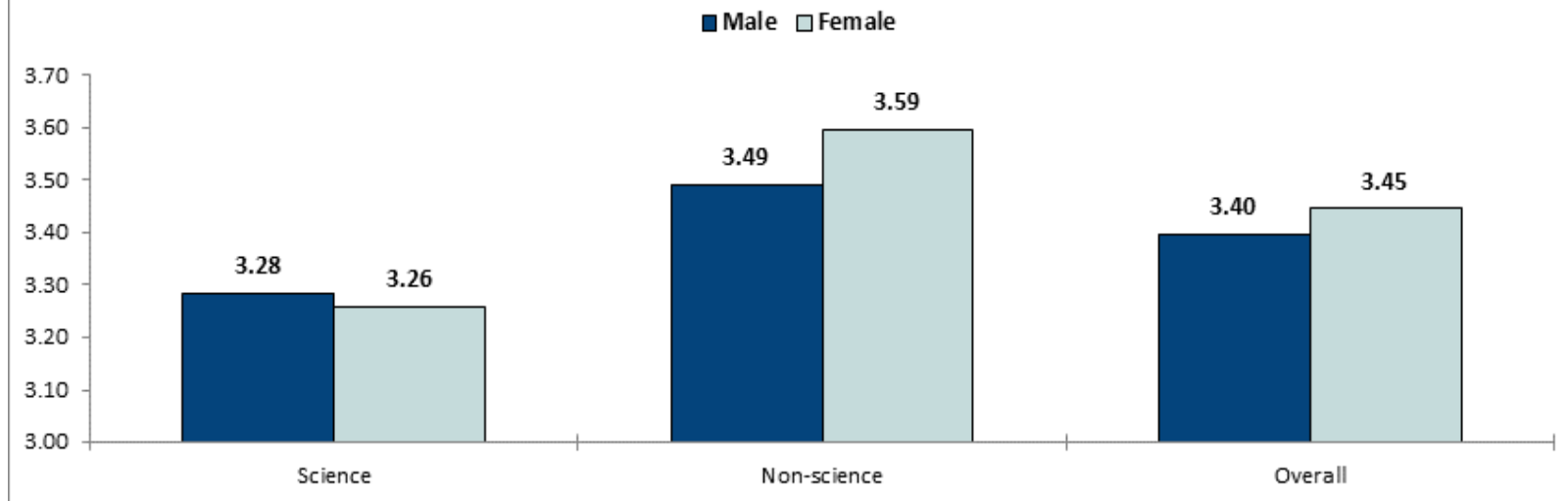


Figure 6: Mean MCAT Score by Gender

