

AACOMAS Applicant Pool Profile 2014 Entering Class



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

AACOMAS Applicant Profile – 2014 Entering Class

Following are summary tables describing the 2014 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 155,349 individual school applications from 17,944 applicants for 6,192 COCA-approved seats in Fall 2014. These numbers include all applicants to the 34 colleges of osteopathic medicine and branch campuses that participated in AACOMAS. There were 2.90 applicants for each COCA-approved seat in the first-year class. The mean number of individual school applications per applicant was 8.66.

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

- **Gender** – Full data are available for all but 205 applicants.
- **Age** – Data are classified into six age groups and calculated as of July 1, 2014. 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 16,957 applicants in 2014. 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 2014, AACOMAS received 247 applications from non-U.S. permanent residents, 210 of whom were Canadian residents. A map displaying all U.S. applicants is also included in this report.

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.

Note: Semester Hours table revised on 1/29/15.



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AACOMAS Applicant Pool Profile

2014 Entering Class: 17,944

1. Applicant Characteristics

1.1: Applications/Designations*	Number	Percent
Applications	17,944	100.0%
First-Time Applicants	11,467	63.9%
Repeat Applicants	6,477	36.1%
Designations	155,349	

*The maximum number of schools an applicant can apply to is 34.

1.2: Gender	Number	Percent
Male	9,564	53.9%
Female	8,175	46.1%
Undisclosed	205	
Total	17,944	

1.3: Age as of July 1, 2014	Number	Percent
20 and Younger	111	0.6%
21 – 25	12,584	71.2%
26 – 30	3,728	21.1%
31 – 40	1,105	6.3%
41 – 50	130	0.7%
51 and Older	19	0.1%
Undisclosed	267	
Total	17,944	

Minimum Age	18
Maximum Age	64
Mean Age	25
Median Age	24

1.4: Military Experience	Number	Percent
No Military Experience	17,480	97.6%
Yes, Discharged	255	1.4%
Yes, Still Serving	165	0.9%
Yes, Other than Honorable Discharge	9	0.1%
Invalid Response	35	
Total	17,944	

1.5: Race/Ethnicity – Single Category Response†	Number	Percent
White	10,055	58.7%
Asian American	3,821	22.3%
Hispanic/Latino	1,292	7.5%
Black/African American	934	5.5%
Multiple Races	671	3.9%
Foreign	295	1.7%
Native American/Alaska Native	39	0.2%
Hawaiian/Pacific Islander	23	0.1%
Undisclosed	814	
Total	17,944	
Underrepresented Minorities*	2,288	12.8%

†: 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	5,744	4,305	10,049
Asian American	1,929	1,891	3,820
Hispanic/Latino	684	608	1,292
Black/African American	371	561	932
Multiple Races	330	341	671
Foreign	148	147	295
Native American/Alaska Native	23	16	39
Hawaiian/Pacific Islander	15	7	22
Undisclosed	320	299	619
Total	9,564	8,175	17,739

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

1.6a: Race/Ethnicity by Gender – Percent	Male	Female	Total
White	33.6%	25.1%	58.7%
Asian American	11.3%	11.0%	22.3%
Hispanic/Latino	4.0%	3.6%	7.5%
Black/African American	2.2%	3.3%	5.4%
Multiple Races	1.9%	2.0%	3.9%
Foreign	0.9%	0.9%	1.7%
Native American/Alaska Native	0.1%	0.1%	0.2%
Hawaiian/Pacific Islander	0.1%	0.0%	0.1%
Total	54.0%	46.0%	

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	11,406	59.8%
Asian American	4,553	23.9%
Hispanic/Latino	1,292	6.8%
Black/African American	1,154	6.1%
Foreign	348	1.8%
Native American/Alaska Native	228	1.2%
Hawaiian/Pacific Islander	82	0.4%
Undisclosed	814	
Total	19,877	

2. Baccalaureate Degree Majors

2.1: Baccalaureate Degree Major	Number	Percent
Life Sciences	14,681	68.0%
Social Sciences	2,331	10.8%
Arts & Humanities	1,508	7.0%
Physical Sciences	1,491	6.9%
Other	1,564	7.2%

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	3.28	3.55	3.43
SD	0.49	0.35	0.35
Mean – FR–SR, PB	3.34	3.56	3.45
SD	0.38	0.33	0.32
Mean All Including Graduate	3.36	3.56	3.46
SD	0.37	0.32	0.31



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3.2: Undergraduate GPA Range	Science	Non-science	Overall
3.60 – 4.00	4,674	9,393	6,162
3.20 – 3.59	6,767	6,073	7,886
2.80 – 3.19	4,372	1,970	3,143
2.40 – 2.79	1,531	407	642
2.00 – 2.39	400	65	80
Less than 2.00	200	36	31

Note: Percentages provided in Figure 4.

3.3: Undergraduate GPA by Gender	Science	Non-science	Overall
Mean – Male	3.29	3.49	3.40
SD – Male	0.49	0.38	0.37
Mean – Female	3.28	3.61	3.46
SD – Female	0.48	0.32	0.33

Note: Corresponds to Figure 5.

3.4: Undergraduate GPA by Race/Ethnicity	Science	Non-science	Overall
Mean – White	3.33	3.58	3.47
SD – White	0.49	0.35	0.35
Mean – Asian American	3.26	3.55	3.41
SD – Asian American	0.45	0.33	0.33
Mean – Hispanic/Latino	3.20	3.47	3.35
SD – Hispanic/Latino	0.45	0.35	0.34
Mean – Black/African American	2.98	3.37	3.20
SD – Black/African American	0.53	0.37	0.37
Mean – Multiple Races	3.28	3.53	3.41
SD – Multiple Races	0.44	0.33	0.33
Mean – Foreign	3.38	3.53	3.46
SD – Foreign	0.58	0.52	0.51
Mean – Native American/Alaska Native	3.19	3.52	3.34
SD – Native American/Alaska Native	0.51	0.37	0.42
Mean – Hawaiian/Pacific Islander	3.18	3.50	3.37
SD – Hawaiian/Pacific Islander	0.56	0.34	0.36

3.5: Semester Hours	Undergrad	Post-Bac	Graduate	Total
Median – Behavioral Science	9.00	3.00	3.00	9.30
SD – Behavioral Science	12.47	4.17	11.61	13.31
Median – Biochemistry	4.00	3.00	4.00	4.00
SD – Biochemistry	3.74	2.01	6.33	4.66
Median – Biology/Zoology	29.00	10.00	18.00	32.00
SD – Biology/Zoology	13.97	9.39	18.12	18.07
Median – English	9.00	3.00	3.00	9.00
SD – English	5.68	2.34	5.24	5.78
Median – Genetic	4.00	3.00	3.00	4.00
SD – Genetics	2.08	1.39	5.47	2.59
Median – Inorganic Chemistry	10.00	8.00	4.00	10.00
SD – Inorganic Chemistry	5.47	3.79	11.97	5.84
Median – Math	12.00	4.00	3.00	12.00
SD – Math	8.16	4.66	6.66	8.69
Median – Organic Chemistry	9.00	8.00	4.00	9.40
SD – Organic Chemistry	3.08	3.35	6.21	3.37
Median – Physics	8.00	8.00	4.00	8.00
SD – Physics	3.50	3.01	8.06	3.75
Median – Other Science	6.00	3.00	7.00	7.00
SD – Other Science	13.54	8.21	19.97	16.66

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3.5: Semester Hours (Cont.)	Undergrad	Post-Bac	Graduate	Total
Median – Other Non-Science	36.00	5.00	7.10	38.00
SD – Other Non-Science	24.67	14.74	20.55	27.17
Median – Total Hours	143.40	21.00	34.00	155.00
SD – Total Hours	28.63	27.03	30.35	42.24

4. MCAT Scores

4.1: MCAT Scores	Verbal	Biological Sci.	Physical Sci.	Total
Mean	8.61	9.15	8.51	26.26
SD	1.88	1.73	1.90	4.18
Median	9.00	9.00	8.00	26.00

4.2: MCAT Score Range	Number	Percent
40 – 45	1	0.0%
35 – 40	279	1.6%
30 – 34	3,287	19.4%
25 – 29	8,096	47.7%
20 – 24	4,295	25.3%
15 – 19	846	5.0%
6 – 14	153	0.9%
Less than 5	0	0.0%

4.3: MCAT Scores by Gender	Verbal	Biological Sci.	Physical Sci.	Total
Mean – Male	8.63	9.38	8.91	26.91
SD – Male	1.87	1.69	1.90	4.12
Mean – Female	8.57	8.88	8.04	25.48
SD – Female	1.88	1.74	1.78	4.11

Note: Corresponds to Figure 6.

4.4: MCAT Scores by Race/Ethnicity	Verbal	Biological Sci.	Physical Sci.	Total
Mean – White	8.85	9.21	8.45	26.51
SD – White	1.76	1.65	1.82	3.88
Mean – Asian American	8.42	9.37	9.07	26.86
SD – Asian American	1.90	1.73	1.89	4.21
Mean – Hispanic/Latino	8.11	8.73	7.91	24.76
SD – Hispanic/Latino	1.98	1.73	1.78	4.16
Mean – Black/African American	7.13	7.76	7.05	21.93
SD – Black/African American	2.03	1.85	1.62	4.16
Mean – Multiple Races	8.68	9.08	8.44	26.21
SD – Multiple Races	1.86	1.78	1.99	4.45
Mean – Foreign	8.10	9.71	9.48	27.29
SD – Foreign	1.98	1.88	1.95	4.60
Mean – Native American/Alaska Native	8.09	8.11	7.23	23.43
SD – Native American/Alaska Native	2.24	1.73	1.57	4.28
Mean – Hawaiian/Pacific Islander	7.40	8.10	8.20	23.70
SD – Hawaiian/Pacific Islander	2.11	2.51	2.21	5.63

5. Familiarity with Osteopathic Medicine

5.1: Met with AACOM or Osteopathic College Representative	Number	Percent
Have not met with/heard presentation	9,019	50.3%
Have met with/heard presentation by med. education representative	7,068	39.4%
Have met with/heard presentation by both	1,209	6.7%
Have met with/heard presentation by AACOM representative	648	3.6%
Total	17,944	



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5.2: First Learn About Osteopathic Medicine	Number	Percent
D.O.	6,011	33.6%
Advisor	4,472	25.0%
Other	4,011	22.4%
Internet	1,633	9.1%
College Representative	1,413	7.9%
AACOM	292	1.6%
Mailing	58	0.3%
Undisclosed	54	
Total	17,944	

6. Applicant's Family and Prior Medical Education

6.1: Parents' College Education	Number	Percent
Yes	13,455	75.8%
No	4,303	24.2%
Undisclosed	186	
Total	17,944	

6.2: Family Member is a DO or MD	Number	Percent
Yes	6,222	34.7%
No	11,722	65.3%
Total	17,944	

6.3: Previously Matriculated to DO or MD School	Number	Percent
Yes	196	1.1%
No	17,748	98.9%
Total	17,944	

7. Feeder Colleges

7.1: Top 20 Feeder Institutions	Number
Michigan State University	320
University of California-UCLA	296
Rutgers, The State University of NJ	280
University of Florida	275
University of California-San Diego	269
University of Michigan-Ann Arbor	256
Brigham Young University	246
University of California-Irvine	228
University of California-Davis	213
Ohio State University-All Campuses	198
University of Central Florida	198
Arizona State University-All Campuses	193
University of California-Berkeley	190
Penn State University-All Campuses	183
SUNY-Stony Brook	180
University of South Florida	172
University of Illinois at Urbana-Champaign	156
Loyola University Chicago	141
University of Pittsburgh	133
Wayne State University	131

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8. Citizenship and Geographic Origin

8.1: Citizenship	Number	Percent
U.S. Citizen	17,033	94.9%
Permanent Resident	563	3.1%
Temporary Resident	127	0.7%
Non-Citizen	221	1.2%
Total	17,944	

8.2: Permanent Country	Number	Percent
United States	17,697	98.6%
Canada	210	1.2%
China	7	
India	5	
Lebanon	2	
United Kingdom	2	
Vietnam	2	
Bahamas	1	
Brazil	1	
Burma (Myanmar)	1	
Dominican Republic	1	0.2%
Indonesia	1	
Jamaica	1	
Japan	1	
Macedonia	1	
Malaysia	1	
Mexico	1	
Nigeria	1	
Norway	1	
Saudi Arabia	1	
South Africa	1	
Ukraine	1	
Unlisted	4	
Total	17,944	

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8.3: Permanent Residence	Number	Percent
Alabama	163	0.9%
Alaska	37	0.2%
Arizona	393	2.2%
Arkansas	73	0.4%
California	2,123	11.8%
Colorado	334	1.9%
Connecticut	164	0.9%
Delaware	55	0.3%
District of Columbia	16	0.1%
Florida	1,358	7.6%
Georgia	394	2.2%
Guam	3	0.0%
Hawaii	45	0.3%
Idaho	118	0.7%
Illinois	884	4.9%
Indiana	360	2.0%
Iowa	205	1.1%
Kansas	165	0.9%
Kentucky	210	1.2%
Louisiana	123	0.7%
Maine	61	0.3%
Maryland	269	1.5%
Massachusetts	296	1.6%
Michigan	1,059	5.9%
Minnesota	265	1.5%
Mississippi	104	0.6%
Missouri	308	1.7%
Montana	48	0.3%
Nebraska	75	0.4%
Nevada	127	0.7%
New Hampshire	53	0.3%
New Jersey	867	4.8%
New Mexico	40	0.2%
New York	1,462	8.1%
North Carolina	348	1.9%
North Dakota	29	0.2%
Ohio	792	4.4%
Oklahoma	348	1.9%
Oregon	190	1.1%
Pennsylvania	1,051	5.9%
Puerto Rico	3	0.0%
Rhode Island	25	0.1%
South Carolina	145	0.8%
South Dakota	54	0.3%
Tennessee	276	1.5%
Texas	626	3.5%
Utah	345	1.9%
Vermont	24	0.1%
Virgin Islands	0	0.0%
Virginia	451	2.5%
Washington	312	1.7%
West Virginia	124	0.7%
Wisconsin	270	1.5%
Wyoming	27	0.2%
U.S. Permanent Residents	17,697	98.6%
Non-U.S. Permanent Residents	247	1.4%
Total	17,944	

Figure 1: College Designations

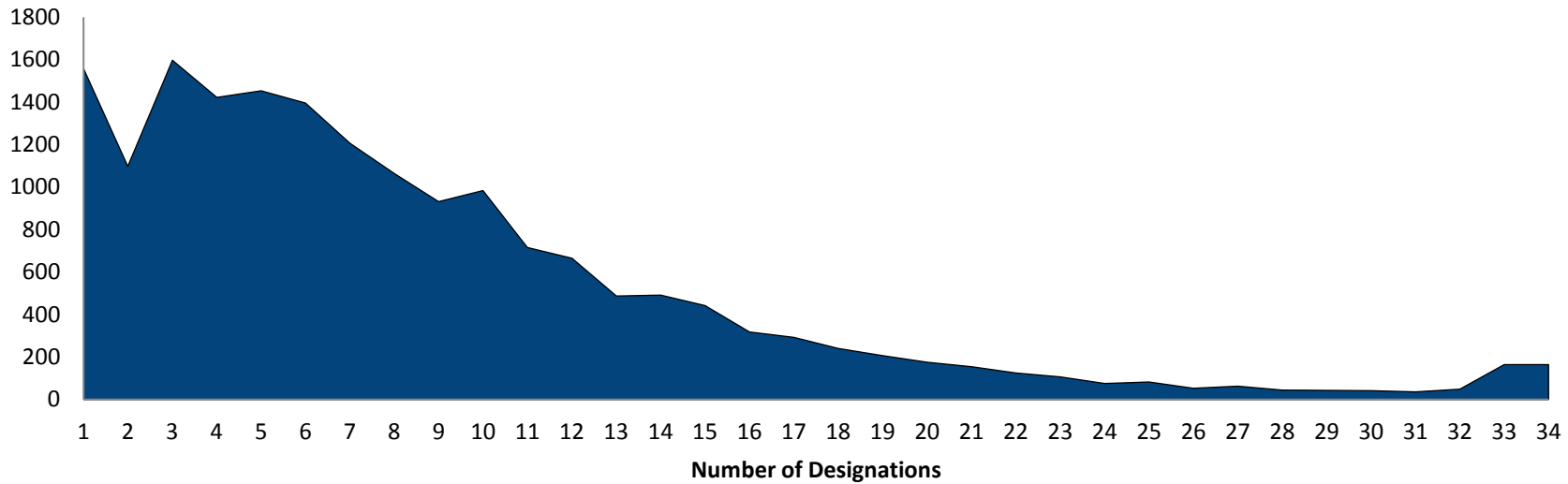


Figure 2: Race/Ethnicity Percentages
Single Category Response

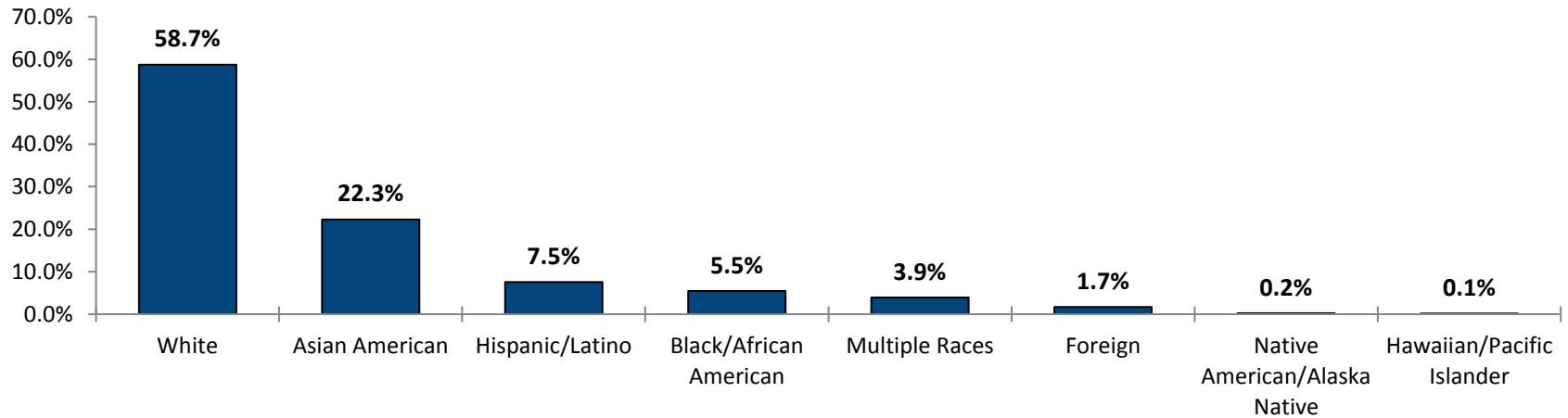


Figure 3: Race/Ethnicity Percentages by Gender
Single Category Response

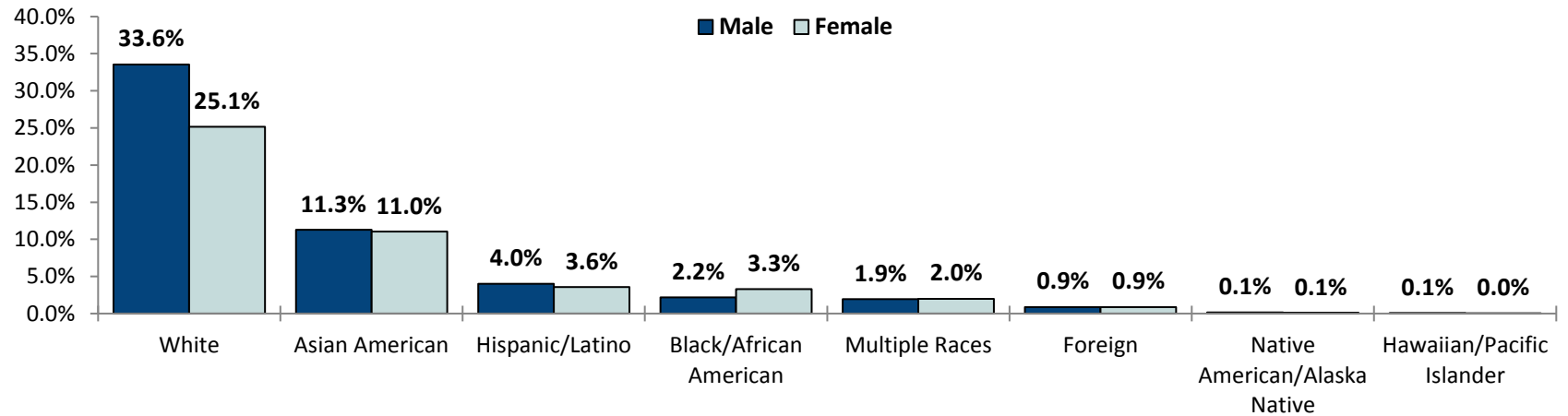


Figure 4: Undergraduate GPA Range Percentage

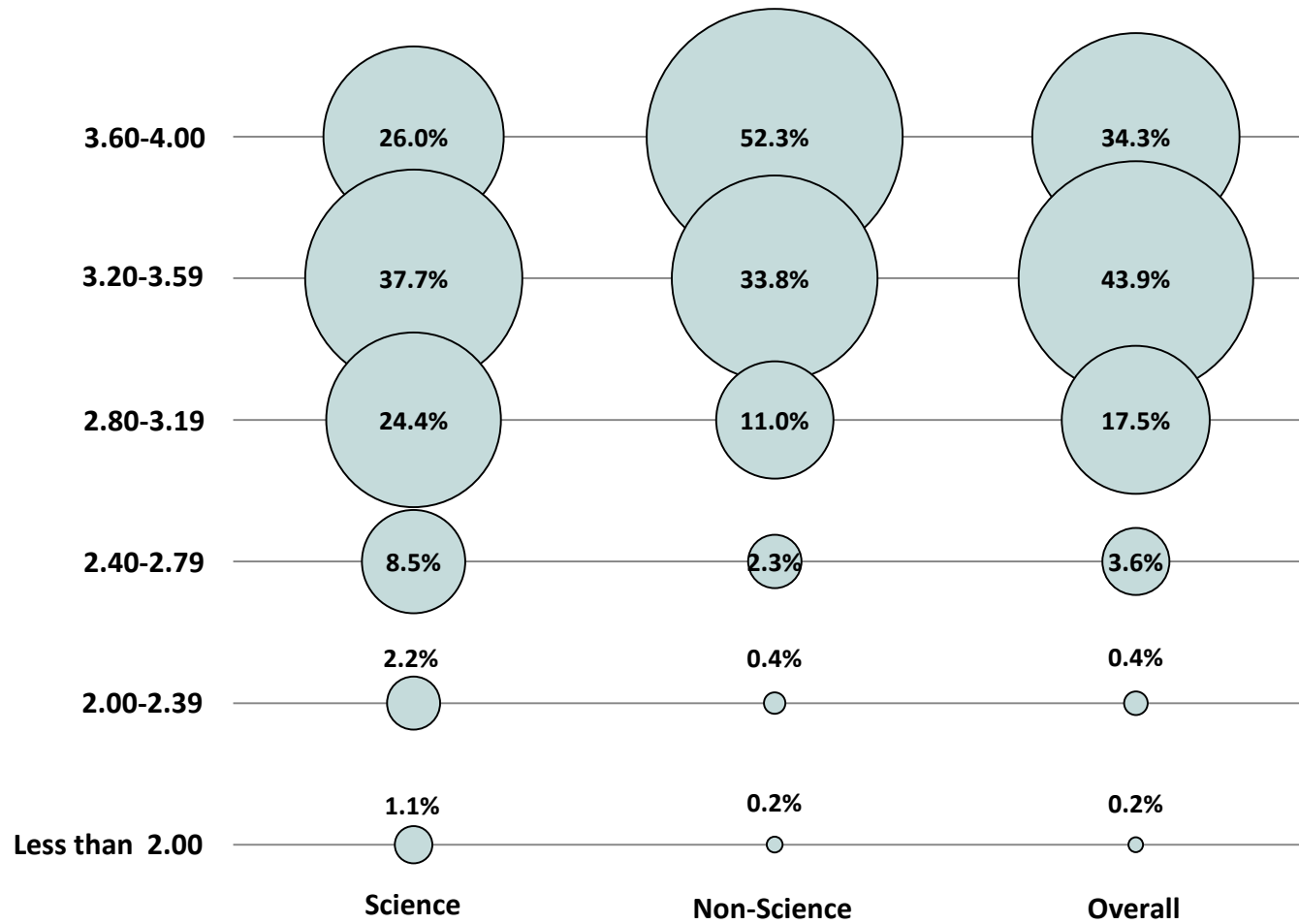


Figure 5: Mean Undergraduate GPA by Gender

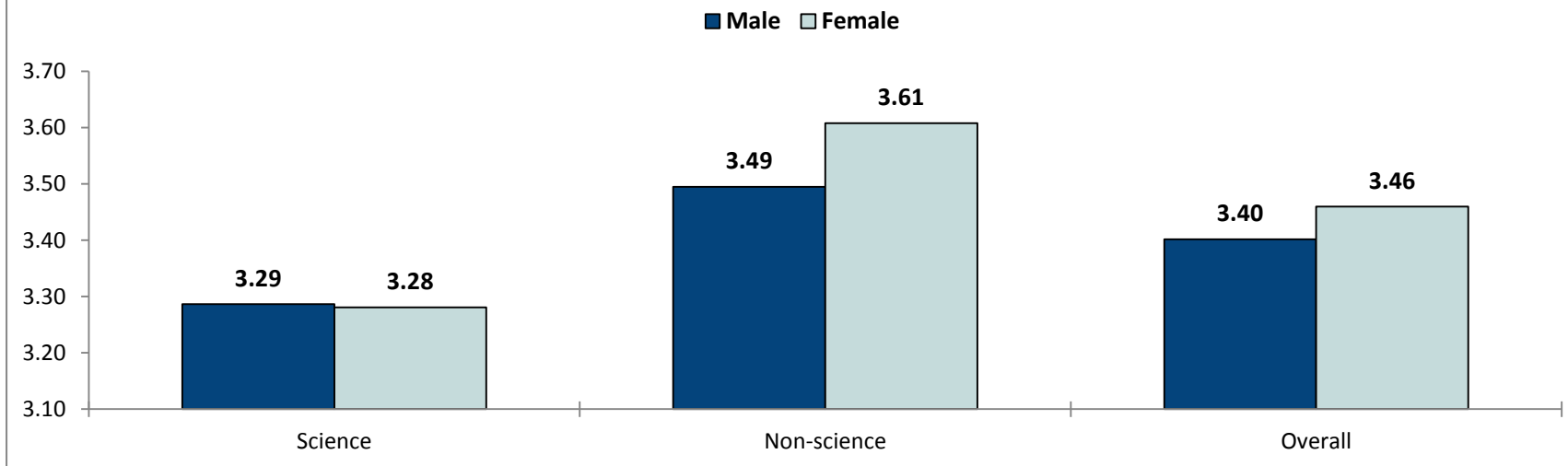
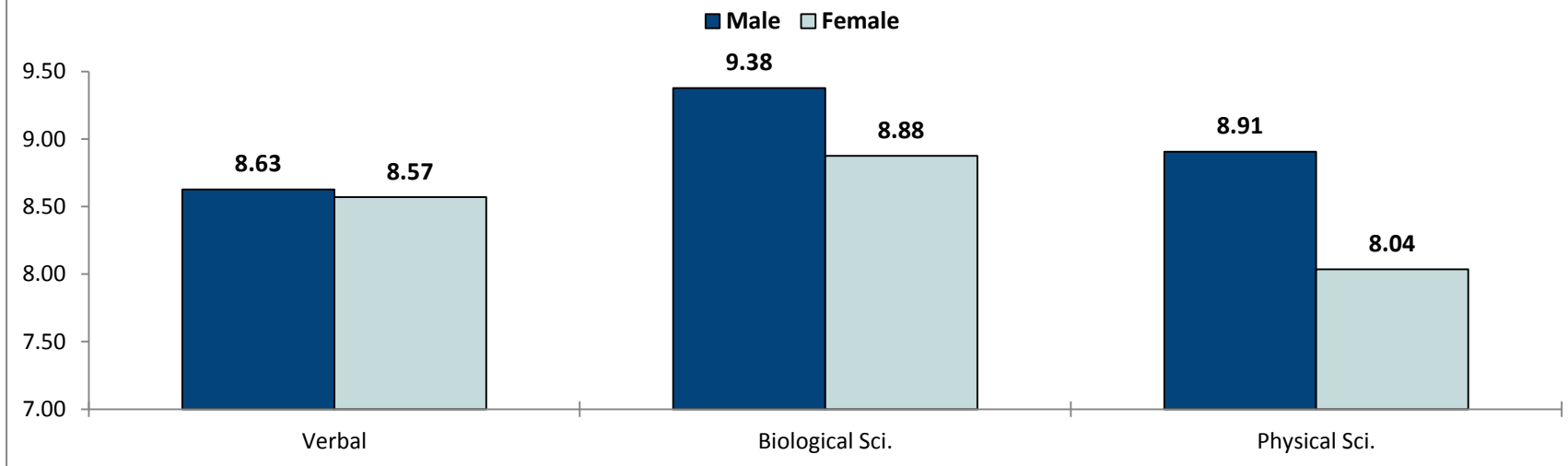


Figure 6: Mean MCAT Score by Gender



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