

## De Anza College Office of Institutional Research and Planning

**To:** Common Assessment/Multiple Measures Steering Committee

**From:** Lisa Ly, Research Analyst

**Date:** May 10, 2016

**Subject:** First-Time College Students Placement & Enrollment by Ethnicity

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In spring 2016, De Anza College implemented its multiple measures assessment pilot (MMAP). The pilot targets first-time college students and this report provides context regarding their placement and enrollment by ethnicity for the fall periods: 2013, 2014, and 2015. Unless specified, analyses are averages of these three fall terms.

### Key Findings

#### Overall Placement and Enrollment

- The majority of first-time college students placed into basic skills versus college level: English (64% vs. 33%), Reading (65% vs. 33%), and Math (76% vs. 14%).
- Most first-time college students enrolled in the course in which they placed—enrollment rates for basic skills and college level are 78% and 79%, respectively.

#### Placement by Ethnicity

- 71% of basic skills English, Reading, and Math placement are comprised of Latino/a and Asian.
- 63% of college level English and Reading placement consists of Latino/a and Asian, and 64% of college level Math placement is comprised of Asian.
- **Latino/a** students exhibit disproportionate impact as evident by their placement into basic skills versus college level: English (43% vs. 26%), Reading (42% vs. 27%), and Math (42% vs. 10%).
- **African American** students are more likely to place into basic skills than college level for English (5% vs. 3%) and for Math (5% vs. 1%). There was no difference observed for Reading placement.
- **Filipino** students are *less likely* to place into basic skills than college level English (9% vs. 11%) and more likely to place into basic skills Reading than EWRT 1A (10% vs. 9%). There was no difference observed for Math placement.
- **Asian and White** students are *less likely* to place into basic skills than college level for English (41% vs. 57%) and Reading (41% vs. 59%). For Math, Asians are *less likely* to place into basic skills than college level (27% vs. 64%), whereas Whites are more likely to place into basic skills, 14% vs. 12%.

#### Enrollment in Course in which Placed by Ethnicity

Overall, the majority of students enrolled in the basic skills/college level course in which they placed. Some exceptions include the following:

- **Latino/a** students enrolled at a lower percentage compared to their placement representation. For English, they account for 43% of basic skills placement but 41% of its enrollment, and 26% of college level placement but 24% of its enrollment. For Reading, Latino/a students account for 42% of basic skills placement but 39% of its enrollment, and 27% of EWRT 1A placement but 26% of its enrollment.

## Key Findings (continued)

- **Asian** students enrolled at higher percentages compared to their placement representation. For English, they account for 30% of basic skills placement and 32% of its enrollment, and 36% of college level placement and 39% of its enrollment. The same observation was noted for Reading. Asian students account for 31% of basic skills Reading placement and 34% of its enrollment, as well as 36% of EWRT 1A placement and 38% of its enrollment.

Table 1: First-Time College Student Placement and Enrollment by Subject  
Fall Terms: 2013, 2014 & 2015

		First-time college students	Took Placement Test		Basic Skills				College Level			
			Student	Percent	Placement		Enrollment		Placement		Enrollment	
					Student	Percent (tested and placed)	Student	Percent	Student	Percent (tested and placed)	Student	Percent
Fall 2015	English	3,683	2,812	<b>76%</b>	1,802	<b>64%</b>	1,509	<b>84%</b>	925	<b>33%</b>	719	<b>78%</b>
	Reading	3,683	2,813	<b>76%</b>	1,850	<b>66%</b>	1,342	<b>73%</b>	877	<b>31%</b>	705	<b>80%</b>
	Math	3,683	2,972	<b>81%</b>	2,227	<b>75%</b>	1,839	<b>83%</b>	431	<b>15%</b>	364	<b>84%</b>
Fall 2014	English	3,657	2,728	<b>75%</b>	1,712	<b>63%</b>	1,347	<b>79%</b>	959	<b>35%</b>	714	<b>74%</b>
	Reading	3,657	2,726	<b>75%</b>	1,749	<b>64%</b>	1,192	<b>68%</b>	922	<b>34%</b>	703	<b>76%</b>
	Math	3,657	2,925	<b>80%</b>	2,220	<b>76%</b>	1,874	<b>84%</b>	414	<b>14%</b>	359	<b>87%</b>
Fall 2013	English	3,677	2,641	<b>72%</b>	1,714	<b>65%</b>	1,377	<b>80%</b>	847	<b>32%</b>	607	<b>72%</b>
	Reading	3,677	2,642	<b>72%</b>	1,681	<b>64%</b>	1,129	<b>67%</b>	882	<b>33%</b>	647	<b>73%</b>
	Math	3,677	2,868	<b>78%</b>	2,192	<b>76%</b>	1,795	<b>82%</b>	378	<b>13%</b>	319	<b>84%</b>
Average of three terms	English	11,017	8,181	<b>74%</b>	5,228	<b>64%</b>	4,233	<b>81%</b>	2,731	<b>33%</b>	2,040	<b>75%</b>
	Reading	11,017	8,181	<b>74%</b>	5,280	<b>65%</b>	3,663	<b>69%</b>	2,681	<b>33%</b>	2,055	<b>77%</b>
	Math	11,017	8,765	<b>80%</b>	6,639	<b>76%</b>	5,508	<b>83%</b>	1,223	<b>14%</b>	1,042	<b>85%</b>

Students who took placement test on March 1-September 30 prior to each fall term; includes the highest test score received in the subject area.

Placement and enrollment (during fall-spring terms) reflects the following:

English includes EWRT and LART 200 and 211 (basic skills) and EWRT 1A (college level)

Reading includes READ and LART 200 and 211 (basic skills) and EWRT 1A (college level)

Math includes MATH 210, 212, 114, and 217 (basic skills) and MATH 10, 11, 41, 44, 46, and 57 (college level)

Table 2: First-Time College Student Placement and Enrollment by Ethnicity  
Fall Terms: 2013, 2014 & 2015

		First-time college students	Took Placement Test		Basic Skills				College Level			
			Student	Percent	Placement		Enrollment		Placement		Enrollment	
					Student	Percent (tested and placed)	Student	Percent	Student	Percent (tested and placed)	Student	Percent
African American	English	474	346	<b>73%</b>	249	<b>72%</b>	184	<b>74%</b>	94	<b>27%</b>	65	<b>69%</b>
	Reading	474	345	<b>73%</b>	234	<b>68%</b>	147	<b>63%</b>	109	<b>32%</b>	77	<b>71%</b>
	Math	474	341	<b>72%</b>	314	<b>92%</b>	250	<b>80%</b>	18	<b>5%</b>	17	<b>94%</b>
Asian	English	4,234	2,763	<b>65%</b>	1,573	<b>57%</b>	1,360	<b>86%</b>	994	<b>36%</b>	789	<b>79%</b>
	Reading	4,234	2,763	<b>65%</b>	1,614	<b>58%</b>	1,259	<b>78%</b>	954	<b>35%</b>	772	<b>81%</b>
	Math	4,234	3,281	<b>77%</b>	1,788	<b>54%</b>	1,527	<b>85%</b>	784	<b>24%</b>	656	<b>84%</b>
Filipino	English	854	766	<b>90%</b>	471	<b>61%</b>	405	<b>86%</b>	295	<b>39%</b>	224	<b>76%</b>
	Reading	854	766	<b>90%</b>	531	<b>69%</b>	396	<b>75%</b>	234	<b>31%</b>	195	<b>83%</b>
	Math	854	770	<b>90%</b>	623	<b>81%</b>	544	<b>87%</b>	113	<b>15%</b>	101	<b>89%</b>
Latino/a	English	3,473	2,955	<b>85%</b>	2,236	<b>76%</b>	1,742	<b>78%</b>	710	<b>24%</b>	489	<b>69%</b>
	Reading	3,473	2,954	<b>85%</b>	2,213	<b>75%</b>	1,421	<b>64%</b>	733	<b>25%</b>	540	<b>74%</b>
	Math	3,473	2,952	<b>85%</b>	2,798	<b>95%</b>	2,281	<b>82%</b>	121	<b>4%</b>	104	<b>86%</b>
Native American	English	42	30	<b>71%</b>	17	<b>57%</b>	16	<b>94%</b>	13	<b>43%</b>	10	<b>77%</b>
	Reading	42	30	<b>71%</b>	18	<b>60%</b>	14	<b>78%</b>	12	<b>40%</b>	9	<b>75%</b>
	Math	42	29	<b>69%</b>	25	<b>86%</b>	19	<b>76%</b>	3	<b>10%</b>	2	<b>67%</b>
Pacific Islander	English	83	61	<b>73%</b>	38	<b>62%</b>	26	<b>68%</b>	22	<b>36%</b>	14	<b>64%</b>
	Reading	83	61	<b>73%</b>	42	<b>69%</b>	25	<b>60%</b>	18	<b>30%</b>	13	<b>72%</b>
	Math	83	61	<b>73%</b>	52	<b>85%</b>	42	<b>81%</b>	8	<b>13%</b>	8	<b>100%</b>
White	English	1,598	1,144	<b>72%</b>	553	<b>48%</b>	426	<b>77%</b>	587	<b>51%</b>	439	<b>75%</b>
	Reading	1,598	1,146	<b>72%</b>	538	<b>47%</b>	342	<b>64%</b>	604	<b>53%</b>	439	<b>73%</b>
	Math	1,598	1,161	<b>73%</b>	941	<b>81%</b>	767	<b>82%</b>	142	<b>12%</b>	126	<b>89%</b>
Decline to State	English	259	116	<b>45%</b>	91	<b>78%</b>	74	<b>81%</b>	16	<b>14%</b>	10	<b>63%</b>
	Reading	259	116	<b>45%</b>	90	<b>78%</b>	59	<b>66%</b>	17	<b>15%</b>	10	<b>59%</b>
	Math	259	170	<b>66%</b>	98	<b>58%</b>	78	<b>80%</b>	34	<b>20%</b>	28	<b>82%</b>

## First-Time College Student Placement & Enrollment

### Took Placement Test<sup>1</sup>

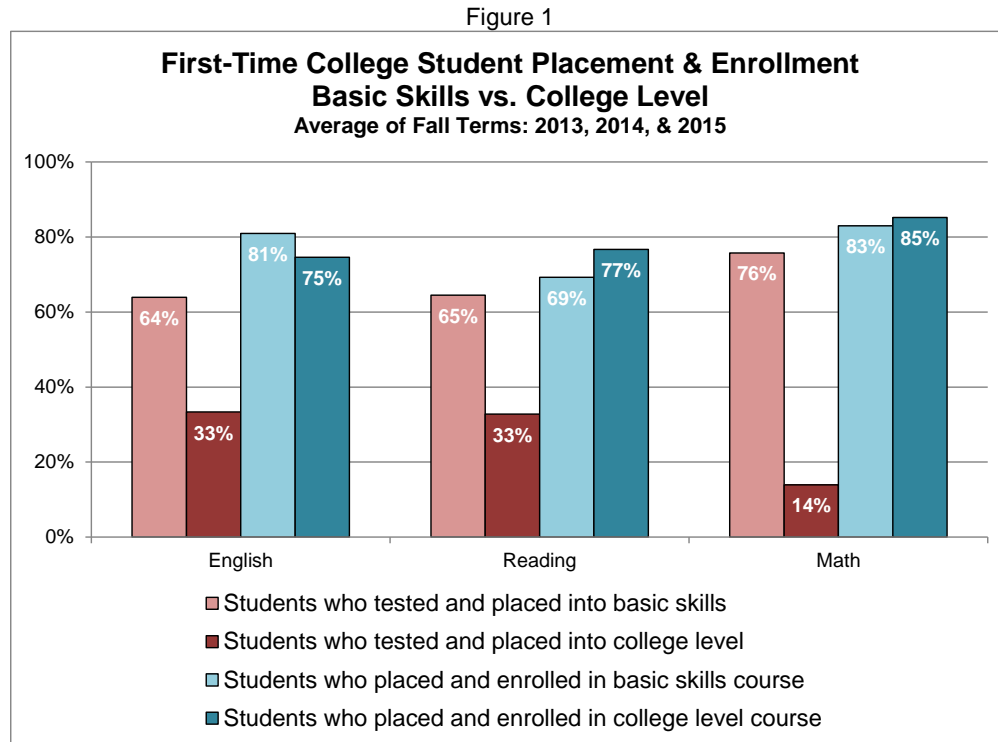
- Each fall term, there are about 3,700 first-time college students. The majority of these students (75%) took an English, Reading, or Math placement test.

### Placement Results<sup>2</sup>

- 65% of students placed into basic skills English and Reading and 33% placed into EWRT 1A
  - 2% were recommended to take the ESL placement test
- 76% placed into basic skills and 14% placed into college level Math
  - 10% placed into pre-calculus or calculus

### Enrolled in the Course in which Placed<sup>3</sup>

- Most students enrolled in the course in which they placed.
  - English: 81% enrolled in basic skills and 75% enrolled in college level
  - Reading: 69% enrolled in basic skills and 77% enrolled in EWRT 1A
  - Math: 83% enrolled in basic skills and 85% enrolled in college level



<sup>1</sup> First-time college students who took a placement test on March 1 through September 30, prior to the fall term in which they first enrolled.

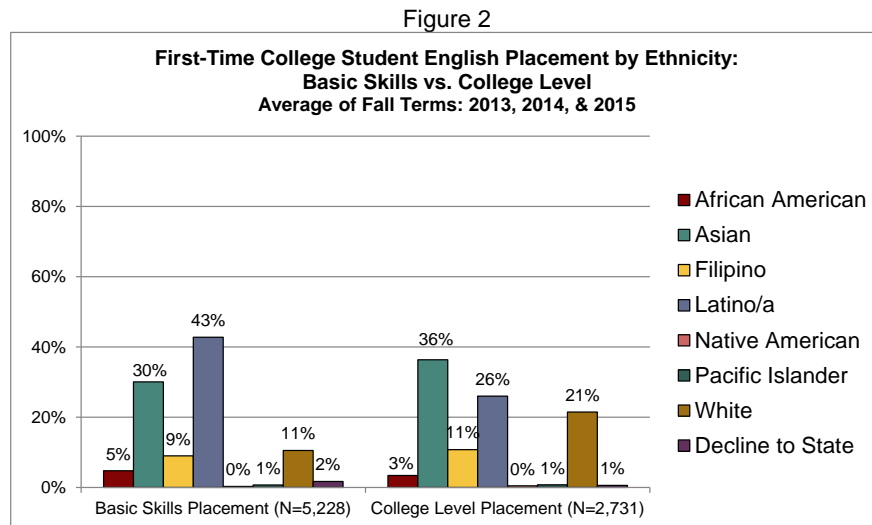
<sup>2</sup> **English placement:** EWRT 200 and 211 (basic skills) and EWRT 1A (college level). **Reading placement:** READ 200 and 211 (basic skills) and EWRT 1A (college level). **Math placement:** MATH 210, 212, and 114 (basic skills) and MATH 10, 11, 41, 44, and 46 (college level).

<sup>3</sup> The data includes enrollment within first year (exclude summer term), reflecting the first basic skills/college level course in which students' placed. **English enrollment:** EWRT and LART 200 and 211 (basic skills) and EWRT 1A (college level). **Reading enrollment:** READ and LART 200 and 211 (basic skills) and EWRT 1A (college level). **Math enrollment:** MATH 210, 212, 114, and 217 (basic skills) and MATH 10, 11, 41, 44, 46, and 57 (college level).

## First-Time College Student Placement & Enrollment

### English Placement: Ethnic Composition of Basic Skills vs. College Level

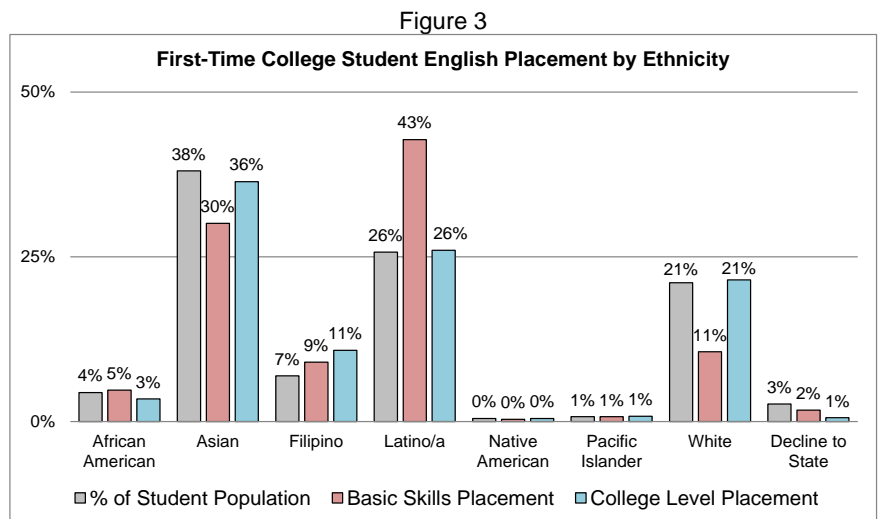
- Latino/a and Asian students make up the majority placed into basic skills and college level English, 73% and 62%, respectively.
- African American and Latino/a students are more likely to place into basic skills than college level English. The opposite was observed for Filipino students.
  - African American: basic skills 5% vs. college level 3%
  - Latino/a: basic skills 43% vs. college level 26%
  - Filipino: basic skills 9% vs. college level 11%
- Fewer Asian and White students are placed into basic skills (41%) than college level English (57%).



### English Placement by Ethnicity

Figure 3 provides the ethnic breakout of De Anza's student population and compares it against their English placement.

- Latino/a students account for 26% of the student population, but 43% of basic skills and 26% of college level English placement.
- Filipino students account for 7% of the student population, 9% of basic skills, and 11% of college level English placement.
- African Americans account for 4% of the student population, 5% of basic skills, and 3% of college level English placement.
- Asians account for 38% of the student population, 30% of basic skills, and 36% of college level English placement. White students are also more likely to place into college level; they account for 21% of the student population and 21% of college level English placement compared to 11% of basic skills placement.



## Enrolled in English Course in which Placed

- Latino/a students enrolled at a lower percentage than their placement representation in basic skills (43% placed and 41% enrolled) and in college level English (26% placed and 24% enrolled).
- Asian students enrolled at a higher percentage than their placement representation in basic skills (30% placed and 32% enrolled) and in college level (36% placed and 39% enrolled).

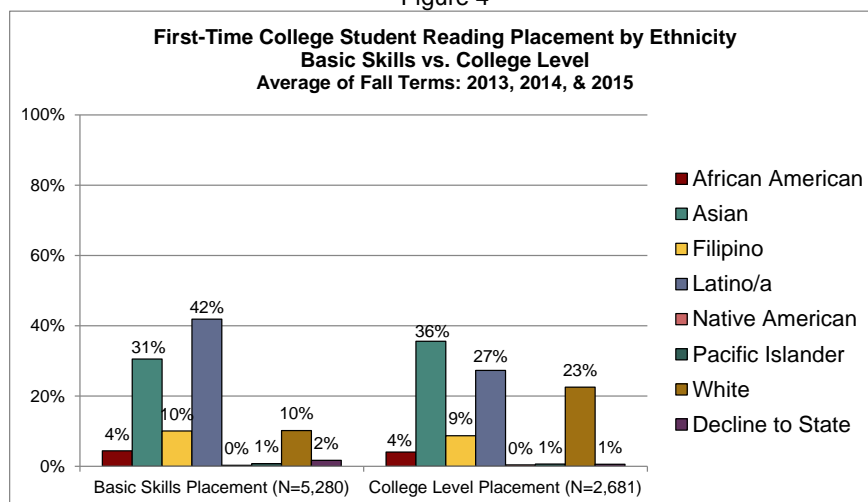
Table 3: First-Time College Student English Placement and Enrollment by Ethnicity

	Basic Skills Placement		Enrollment EWRT & LART 200/211		College Level Placement		Enrollment EWRT 1A	
	Student	Percent	Student	Percent	Student	Percent	Student	Percent
African American	249	5%	184	4%	94	3%	65	3%
Asian	1,573	30%	1,360	32%	994	36%	789	39%
Filipino	471	9%	405	10%	295	11%	224	11%
Latino/a	2,236	43%	1,742	41%	710	26%	489	24%
Native American	17	0%	16	0%	13	0%	10	0%
Pacific Islander	38	1%	26	1%	22	1%	14	1%
White	553	11%	426	10%	587	21%	439	22%
Decline to State	91	2%	74	2%	16	1%	10	0%
Total	5,228	100%	4,233	100%	2,731	100%	2,040	100%

## Reading Placement: Ethnic Composition of Basic Skills vs. College Level

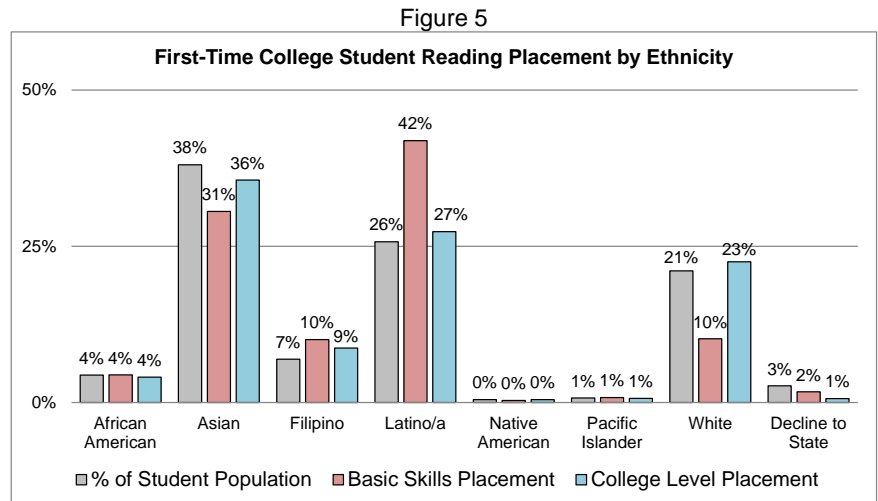
- Latino/a and Asian students comprise the majority placed into basic skills Reading (73%) and EWRT 1A (63%).
- There are more Filipino and Latino/a students placed into basic skills Reading than EWRT 1A, whereas African American students are just as likely to place into basic skills as EWRT 1A.
  - Filipino: 10% basic skills vs. 9% college level
  - Latino/a: 42% basic skills vs. 27% college level
  - African American: 4% basic skills and 4% college level
- Asian and White students are more likely to place into EWRT 1A (59%) than basic skills (41%).

Figure 4



## Reading Placement by Ethnicity

- Latino/a students account for 26% of the student population, but 42% of basic skills Reading and 27% of EWRT 1A placement.
- Filipino students account for 7% of the student population, 10% of basic skills Reading, and 9% of EWRT 1A placement.
- African Americans account for 4% of the student population and 4% of basic skills Reading and EWRT 1A placement.
- Asians account for 38% of the student population, 31% of basic skills, and 36% of EWRT 1A placement. White students are also more likely to place into EWRT 1A; they account for 21% of the student population and 23% of EWRT 1A placement but only 10% of its basic skills placement.



## Enrolled in Reading Course in which Placed

- African American and Filipino students are just as likely to enroll in basic skills Reading as they are in EWRT 1A. African Americans account for 4% of basic skills Reading placement and 4% of its enrollment. The same observation is noted for their EWRT 1A placement and enrollment. On the other hand, Latino/a students enrolled at a lower percentages compared to their placement representation. They account for 42% of basic skills placement but 39% of its enrollment, and 27% of EWRT 1A placement but 26% of its enrollment.
- Asian students enroll at higher percentages than their placement. They account for 31% of basic skills placement and 34% of its enrollment, and 36% of EWRT 1A placement and 38% of its enrollment.

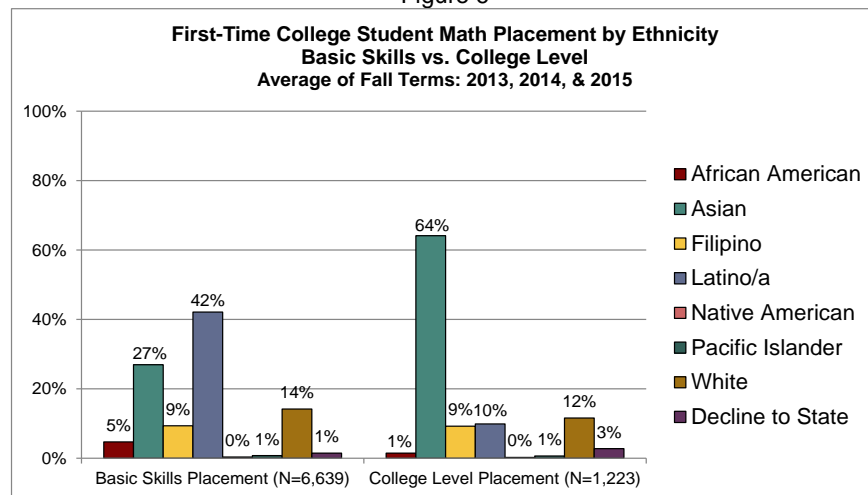
Table 4: First-Time College Student Reading Placement and Enrollment by Ethnicity

	Basic Skills Placement		Enrollment READ & LART 200/211		College Level Placement		Enrollment EWRT 1A	
	Student	Percent	Student	Percent	Student	Percent	Student	Percent
African American	234	4%	147	4%	109	4%	77	4%
Asian	1,614	31%	1,259	34%	954	36%	772	38%
Filipino	531	10%	396	11%	234	9%	195	9%
Latino/a	2,213	42%	1,421	39%	733	27%	540	26%
Native American	18	0%	14	0%	12	0%	9	0%
Pacific Islander	42	1%	25	1%	18	1%	13	1%
White	538	10%	342	9%	604	23%	439	21%
Decline to State	90	2%	59	2%	17	1%	10	0%
Total	5,280	100%	3,663	100%	2,681	100%	2,055	100%

## Math Placement: Ethnic Composition of Basic Skills vs. College Level

- Latino/a (42%) and Asian (27%) comprise the majority of students placed into basic skills Math.
- Asian students (64%) account for the majority of students placed into college level Math, whereas 1 in 10 Latino/a students is placed into college level Math.
- There are more African American and Latino/a students placed into basic skills than college level Math. Filipino students are just as likely to place into basic skills as college level Math.
  - African American: basic skills 5% vs. college level 1%
  - Latino/a: basic skills 42% vs. college level 10%
  - Filipino: basic skills 9% vs. college level 9%
- Asian students are more likely to place into college level (64%) than basic skills Math (27%). The reverse was observed for White students (12% college level and 14% basic skills).

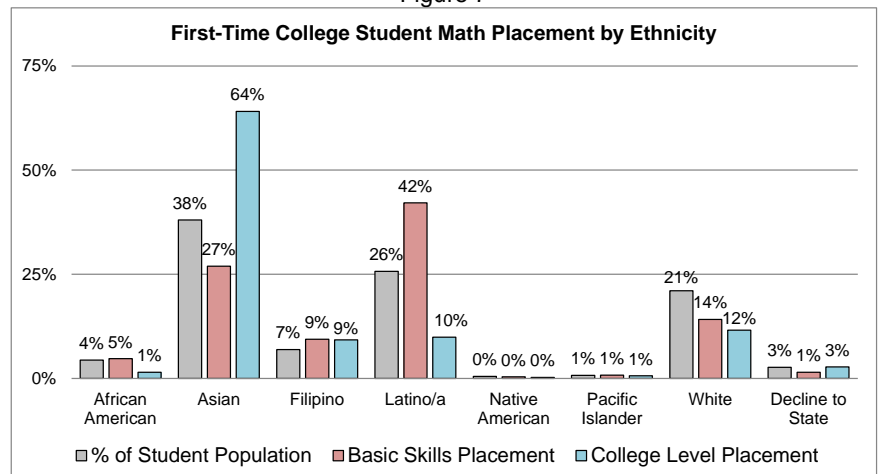
Figure 6



## Math Placement by Ethnicity

- Latino/a students account for 26% of the student population, but 42% of basic skills and 10% of college level Math placement. Similarly, African Americans are more likely to place into basic skills Math; they account for 4% of the student population, 5% of basic skills but only 1% of college level Math placement.
- Filipino students account for 7% of the student population, 9% of basic skills and college level Math placement.
- Asians account for 38% of the student population, 27% of basic skills, and 64% of college level Math placement.
- White students account for 21% of the student population, 14% of its basic skills, and 12% of college level Math placement.

Figure 7





## Enrolled in Math Course in which Placed

- Across ethnic groups, students enrolled in basic skills and college level Math at percentages that are comparable to their placement.

Table 5: First-Time College Student Math Placement and Enrollment by Ethnicity

	Basic Skills Placement		Enrollment MATH 210, 212, 114, and 217		College Level Placement		Enrollment MATH 10, 11, 41, 44, 46, and 57	
	Student	Percent	Student	Percent	Student	Percent	Student	Percent
African American	314	5%	250	5%	18	1%	17	2%
Asian	1,788	27%	1,527	28%	784	64%	656	63%
Filipino	623	9%	544	10%	113	9%	101	10%
Latino/a	2,798	42%	2,281	41%	121	10%	104	10%
Native American	25	0%	19	0%	3	0%	2	0%
Pacific Islander	52	1%	42	1%	8	1%	8	1%
White	941	14%	767	14%	142	12%	126	12%
Decline to State	98	1%	78	1%	34	3%	28	3%
Total	6,639	100%	5,508	100%	1,223	100%	1,042	100%