

# IRP@FHDA

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**From:** Lourdes Del Rio-Parent, PhD, FHDA Sr. Research Analyst/Data Warehouse Coordinator

**Date:** 26 February 2019

**Re:** MIS SA (Student Assessment) Report: Student Demographic Trends, 2014-15 to 2017-18

## Introduction

The main purpose of this document is to provide information to help validate the data in the MIS SA (Student Assessment) report submitted by the FHDA CCD to the MIS unit of the California Community Colleges Chancellor's Office (CCCCO) on February 22, 2019. The data submitted identify students who applied or registered at Foothill College or De Anza College and took at least one of the tests approved by the CCCO for course placement in the areas of English, ESL, mathematics, chemistry, or biology. The data recently submitted was for the academic year of 2017-18 (July 1, 2017 - June 30, 2018).<sup>1</sup>

This document provides headcount statistics for the data submitted during the last four academic years (2014-15 to 2017-18) disaggregated by college (Table 1), test title (Table 2.A and Table 2.B), age group (Table 3.A and Table 3.B), gender (Table 4.A and Table 4.B), race/ethnic group (Table 5.A and Table 5.B), California residency status (Table 6.A and Table 6.B), and high school graduation year group or time between test and high school graduation (Table 7.A and Table 7.B). To examine the extent to which the observed significant decline in the number of students who received test placement services during the last four academic years may be explained by related changes in the number of students enrolled in feeder or nearby high schools, enrollment statistics for public high schools in Santa Clara

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<sup>1</sup> More information on the data submitted is available at:  
<http://extranet.cccco.edu/Divisions/TechResearchInfoSys/MIS/DED/StudentAssessment.aspx>

County and San Mateo County (Table 8.A and Table 8.B) and high school districts in the FHDA service area are also provided (Table 9).<sup>2</sup>

### **Findings for Trend Analyses**

Data in Table 1 show that the number of students who took at least one test for course placement declined significantly between 2014-15 and 2017-18 at De Anza College (14%; 9,488 to 8,125) and Foothill College (18%; 4,587 to 3,769). High school enrollment data for Santa Clara County and San Mateo County (see Table 8.A and Table 8.B) and for 12<sup>th</sup> grade enrollment for high schools in the FHDA service area (see Table 9) show no evidence that the observed decline in student headcount for placement test services at the colleges could be accounted by a similar decline in high school student enrollment in feeder schools. For the most part, high school enrollments in the nearby high schools have either increased or show no significant changes between 2014-15 and 2017-18.

Regarding age, data in Table 3.A and Table 3.B for De Anza College and Foothill College, respectively, show the most significant decline in the younger groups of students (“19 or Less” and “20 to 24”), with Foothill College showing the largest decline rate for the “19 or Less” group during the last two years (23%, 2,462 to 1,893).

Related to age, data in Table 7.A and 7.B also show that number of students who received placement test services while still enrolled at high school (or before they entered college) had significantly declined in the last four academic years at De Anza College (23%; 2,868 to 2,215) and Foothill College (61%; 795 to 310). On the other hand, at De Anza College the continuous decline in the number of students who received placement tests services while still enrolled at high school subsided in the last academic year; the data for this college showed an increase of 7% (2,061 to 2,215) between 2016-17 and 2017-18. For Foothill College, headcount data for the last two academic years show that the decline in headcount not only continue, but

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<sup>2</sup> Demographics by district, college, and test title are available at the MIS Data Mart: [https://datamart.cccco.edu/Services/Assessment\\_Summary.aspx](https://datamart.cccco.edu/Services/Assessment_Summary.aspx).

intensified; data for this college show a decline of 55% (685 to 310) in the number of students who received placement test services at this college while still enrolled in high school during this period.

Gender data in Table 4.A and Table 4.B for De Anza College and Foothill College, respectively, show that during the last four academic years the number of male students who received placement test services declined at a higher rate than that for females. At De Anza College, the headcount for male students declined 16% (4,809 to 4,035); for females, the decline was 13% (4,604 to 4,027). At Foothill College, the headcount for male students declined 22% (2,179 to 1,703); females, 15% (2,373 to 2,027).

On the other hand, placement test data for the last three academic years show no significant differences in headcount figures for gender at De Anza College during this period; since 2015-16, headcounts by gender have shown no significant differences and have declined at the same rate. At Foothill College, the headcount for females who received placement test services continued to be higher and declined at a lower rate than that for males since 2015-16 (see Table 4.B).

Related to race/ethnicity, the analysis only included larger groups (i.e., at least 1,000 students); otherwise, group comparisons would become meaningless or invalid. Data disaggregated by race/ethnicity in Table 5.A and Table 5.B for De Anza College and Foothill College, respectively, show that the headcount for *White or Caucasian* students had the highest decline rate (negative percent change) during the last four academic years at both colleges. At De Anza College, the decline for this group was 18% (1,621 to 1,329); at Foothill College, 17% (1,224 to 1,020).

Specific to the last two academic years, the only group at De Anza College that showed a significant headcount decline (when taking into account headcount change and percentage change) was the *Hispanic* group (a 7% decline; 2,641 to 2,225). At Foothill College, all three major race/ethnic groups showed a significant decline during this period ranging from 14% (*White or Caucasian, Hispanic*) to 18% (*Asian*).

Data for California residency status for De Anza College in Tables 6.A show that the headcount for California residents who received placement test services at this college had the largest decline during the last four academic years (16%; 7,726 to 6,467), when compared to that for out-of-state (less than 1%; 752 to 750) or international students (10%; 1,005 to 903). For Foothill College, data in Table 6.B show that international students had the largest decline rate (32%, 626 to 423) in the last four academic years; however, headcount data for California residents show that this group had the largest decline in the number of students (31%; 3,574 to 2,811) during the same period.

Table 1 Foothill-De Anza, MIS Student Assessment: Headcount by and Academic Year

College	Academic Year Headcount				Change		Percent Change	
	2014-15	2015-16	2016-17	2017-18	Last Two	Last Four	Last Two	Last Four
					Acad	Acad	Acad	Acad
Years	Years	Years	Years	Years	Years	Years	Years	
De Anza	9,488	8,611	8,177	8,125	(52)	-1363	-1%	-14%
Foothill	4,587	4,704	4,495	3,769	(726)	-818	-16%	-18%

**Notes**

Data only includes assessments approved for course placement by the California Community Colleges Chancellor's Office.

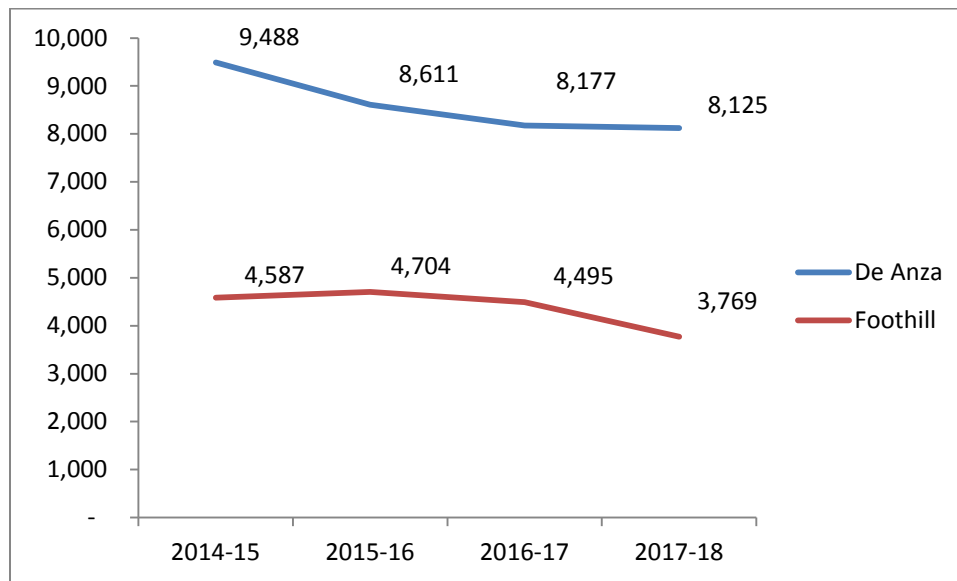


Table 2.A De Anza College, MIS Student Assessment: Headcount by Test Title and Academic Year

Test Title	Academic Year Headcount				Change		Percent Change	
	2014-15	2015-16	2016-17	2017-18	Last Two	Last Four	Last Two	Last Four
					Acad Years	Acad Years	Acad Years	Acad Years
Accuplacer Arithmetic	1,678	1,541	1,542	1,443	(99)	(235)	-6%	-14%
Accuplacer Elementary Algebra	4,152	3,753	3,591	3,229	(362)	(923)	-10%	-22%
Accuplacer College Level Math	3,371	2,999	2,818	2,917	99	(454)	4%	-13%
De Anza Calculus Test	1,310	1,246	1,302	1,429	127	119	10%	9%
Accuplacer Reading Comprehension	6,472	5,751	5,365	5,409	44	(1,063)	1%	-16%
Accuplacer Sentence Skills	6,408	5,692	5,313	5,363	50	(1,045)	1%	-16%
Combined English Language Skills								
Assessment(CELSA) Computerized	1,527	1,558	1,627	1,431	(196)	(96)	-12%	-6%
De Anza English Writing Sample	6,472	5,754	5,360	5,474	114	(998)	2%	-15%
De Anza ESL Writing Sample	1,520	1,551	1,620	1,424	(196)	(96)	-12%	-6%
De Anza Biology Test	334	317	313	269	(44)	(65)	-14%	-19%
Chemistry 1a Placement Test (CCDT)	489	427	453	571	118	82	26%	17%
College Level/Total	9,488	8,611	8,177	8,125	(52)	(1,363)	-1%	-14%

**Notes**

Data only includes assessments approved for course placement by the California Community Colleges Chancellor's Office.

Table 2.B Foothill College, MIS Student Assessment: Headcount by Test Title and Academic Year

Test Title	Academic Year Headcount				Change		Percent Change	
	2014-15	2015-16	2016-17	2017-18	Last Two Acad Years	Last Four Acad Years	Last Two Acad Years	Last Four Acad Years
Accuplacer Arithmetic	963	1,089	1,165	904	(261)	(59)	-22%	-6%
Accuplacer Elementary Algebra	1,197	1,414	1,689	1,414	(275)	217	-16%	18%
Accuplacer College Level Math	1,968	2,042	2,396	1,950	(446)	(18)	-19%	-1%
Accuplacer Reading Comprehension	2,510	2,639	2,678	2,090	(588)	(420)	-22%	-17%
Accuplacer Sentence Skills	2,473	2,642	2,678	2,088	(590)	(385)	-22%	-16%
Accuplacer Writeplacer	209	205	198	141	(57)	(68)	-29%	-33%
Accuplacer Writeplacer ESL	420	441	370	360	(10)	(60)	-3%	-14%
Accuplacer - ESL Sentence Meaning	919	905	859	838	(21)	(81)	-2%	-9%
Accuplacer - ESL Reading Skills	920	902	860	837	(23)	(83)	-3%	-9%
Accuplacer - ESL Language Use	919	908	856	838	(18)	(81)	-2%	-9%
Accuplacer - ESL Listening Test	919	898	858	839	(19)	(80)	-2%	-9%
California Chemistry Diagn Test	326	346	293	207	(86)	(119)	-29%	-37%
<b>College Level/Total</b>	<b>4,587</b>	<b>4,704</b>	<b>4,495</b>	<b>3,769</b>	<b>(726)</b>	<b>(818)</b>	<b>-16%</b>	<b>-18%</b>

**Notes**

Data only includes assessments approved for course placement by the California Community Colleges Chancellor's Office.

Table 3.A De Anza College, MIS Student Assessment: Headcount by Age Group and Academic Year

Age Group	Academic Year Headcount				Change		Percent Change	
	2014-15	2015-16	2016-17	2017-18	Last Two Acad Years	Last Four Acad Years	Last Two Acad Years	Last Four Acad Years
19 or Less	6,030	5,408	5,018	5,053	35	(977)	1%	-16%
20 to 24	1,810	1,558	1,474	1,434	(40)	(376)	-3%	-21%
25 to 29	686	646	699	659	(40)	(27)	-6%	-4%
30 to 34	388	360	362	390	28	2	8%	1%
35 to 39	213	243	246	249	3	36	1%	17%
40 to 44	163	182	162	164	2	1	1%	1%
45 to 49	92	105	108	82	(26)	(10)	-24%	-11%
50 or more	106	109	108	94	(14)	(12)	-13%	-11%
College Level/Total	9,488	8,611	8,177	8,125	(52)	(1,363)	-1%	-14%

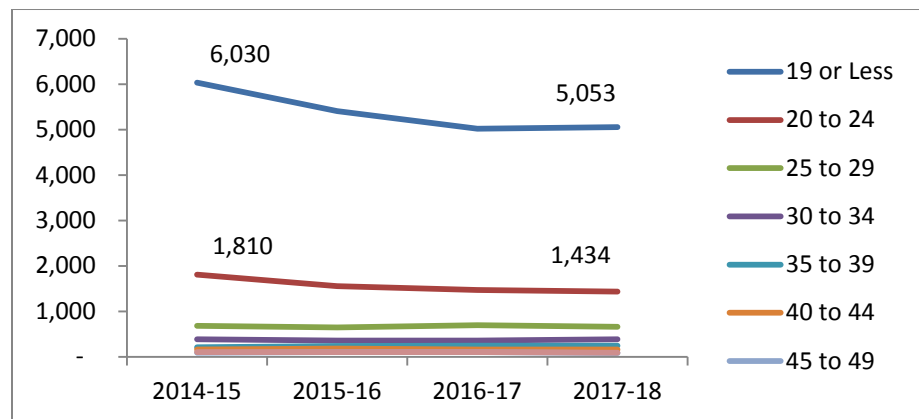




Table 3.B Foothill College, MIS Student Assessment: Headcount by Age Group and Academic Year

Age Group	Academic Year Headcount				Change		Percent Change	
	2014-15	2015-16	2016-17	2017-18	Last Two Acad Years	Last Four Acad Years	Last Two Acad Years	Last Four Acad Years
19 or Less	2,432	2,489	2,462	1,893	(569)	(539)	-23%	-22%
20 to 24	1,114	1,133	1,023	890	(133)	(224)	-13%	-20%
25 to 29	426	485	478	444	(34)	18	-7%	4%
30 to 34	234	258	206	208	2	(26)	1%	-11%
35 to 39	149	121	109	130	21	(19)	19%	-13%
40 to 44	105	96	99	82	(17)	(23)	-17%	-22%
45 to 49	60	58	63	55	(8)	(5)	-13%	-8%
50 or more	67	62	55	67	12	-	22%	0%
Not Reported	-	2	-	-	-	-	0%	0%
<b>College Level/Total</b>	<b>4,587</b>	<b>4,704</b>	<b>4,495</b>	<b>3,769</b>	<b>(726)</b>	<b>(818)</b>	<b>-16%</b>	<b>-18%</b>

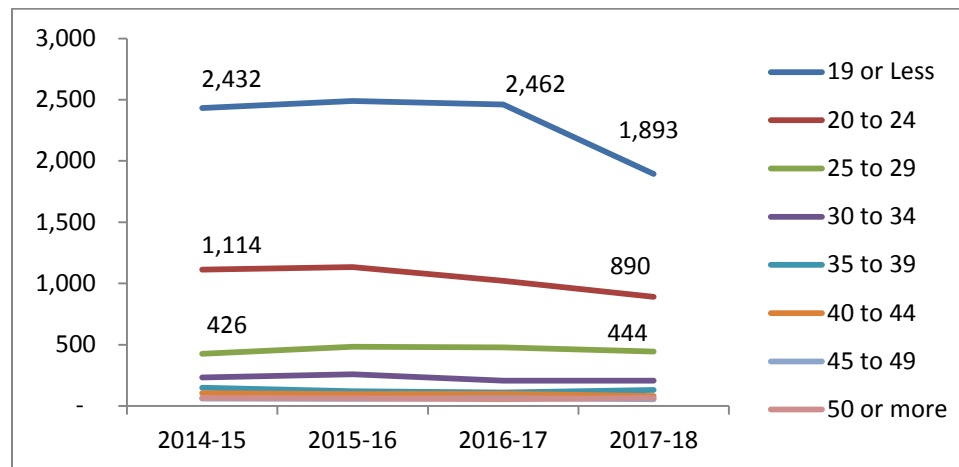


Table 4.A De Anza College, MIS Student Assessment: Headcount by Gender and Academic Year

Gender	Academic Year Headcount				Change		Percent Change	
	2014-15	2015-16	2016-17	2017-18	Last Two Acad Years	Last Four Acad Years	Last Two Acad Years	Last Four Acad Years
	Female	4,604	4,268	4,055	4,027	(28)	(577)	-1%
Male	4,809	4,276	4,066	4,035	(31)	(774)	-1%	-16%
Not Reported	75	67	56	63	7	(12)	13%	-16%
College Level/Total	9,488	8,611	8,177	8,125	(52)	(1,363)	-1%	-14%

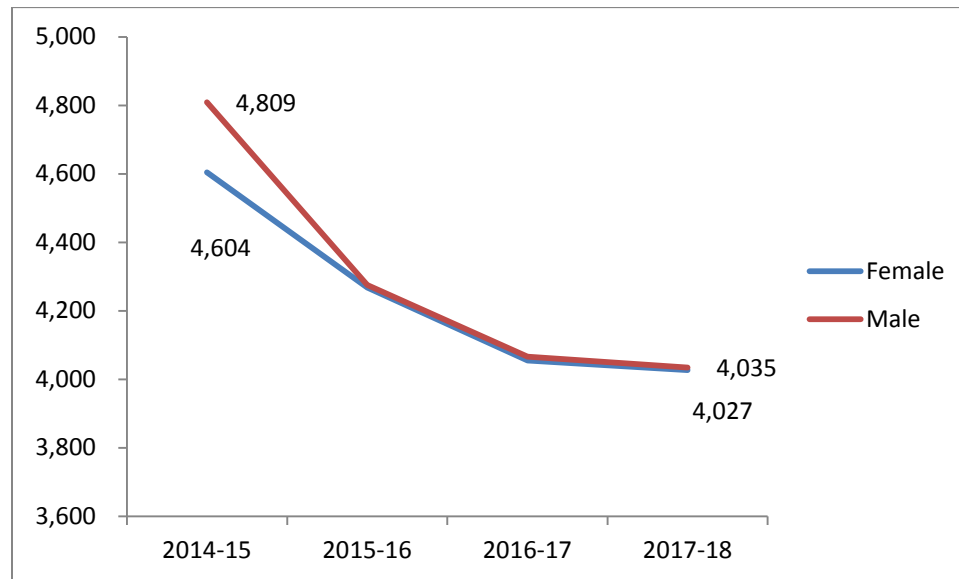


Table 4.B Foothill College, MIS Student Assessment: Headcount by Gender and Academic Year

Gender	Academic Year Headcount				Change		Percent Change	
	2014-15	2015-16	2016-17	2017-18	Last Two Acad Years	Last Four Acad Years	Last Two Acad Years	Last Four Acad Years
Female	2,373	2,471	2,404	2,027	(377)	(346)	-16%	-15%
Male	2,179	2,193	2,059	1,703	(356)	(476)	-17%	-22%
Not Reported	35	40	32	39	7	4	22%	11%
College Level/Total	4,587	4,704	4,495	3,769	(726)	(818)	-16%	-18%

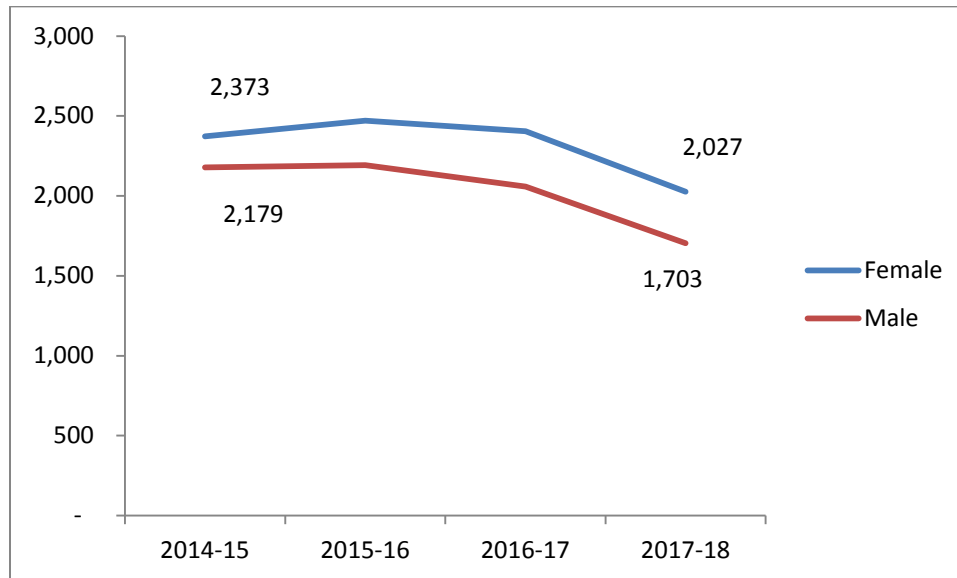


Table 5.A De Anza College, MIS Student Assessment: Headcount by Race/Ethnic Group and Academic Year

Race/Ethnicity	Academic Year Headcount				Change		Percent Change	
	2014-15	2015-16	2016-17	2017-18	Last Two Acad Years	Last Four Acad Years	Last Two Acad Years	Last Four Acad Years
American Indian/Alaskan Native	12	12	7	6	(1)	(6)	-14%	-50%
Asian	4,271	3,985	3,723	3,794	71	(477)	2%	-11%
Black or African American	338	239	235	252	17	(86)	7%	-25%
Hispanic	2,641	2,433	2,382	2,225	(157)	(416)	-7%	-16%
Pacific Islander	49	41	40	57	17	8	43%	16%
White or Caucasian	1,621	1,434	1,337	1,329	(8)	(292)	-1%	-18%
Multiple Race	406	337	352	358	6	(48)	2%	-12%
Not Reported	150	130	101	104	3	(46)	3%	-31%
<b>College Level/Total</b>	<b>9,488</b>	<b>8,611</b>	<b>8,177</b>	<b>8,125</b>	<b>(52)</b>	<b>(1,363)</b>	<b>-1%</b>	<b>-14%</b>

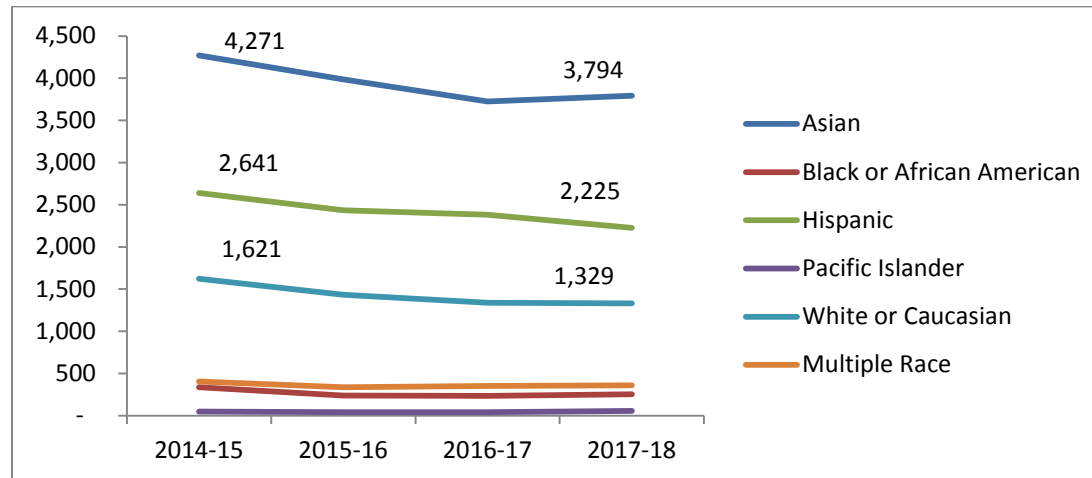


Table 5.B Foothill College, MIS Student Assessment: Headcount by Race/Ethnic Group and Academic Year

Race/Ethnicity	Academic Year Headcount				Change		Percent Change	
	2014-15	2015-16	2016-17	2017-18	Last Two Acad Years	Last Four Acad Years	Last Two Acad Years	Last Four Acad Years
American Indian/Alaskan Native	6	1	6	3	(3)	(3)	-50%	-50%
Asian	1,244	1,389	1,455	1,190	(265)	(54)	-18%	-4%
Black or African American	144	151	127	114	(13)	(30)	-10%	-21%
Hispanic	1,340	1,378	1,375	1,180	(195)	(160)	-14%	-12%
Pacific Islander	57	58	56	38	(18)	(19)	-32%	-33%
White or Caucasian	1,224	1,221	1,181	1,020	(161)	(204)	-14%	-17%
Multiple Race	239	241	242	183	(59)	(56)	-24%	-23%
Not Reported	333	265	53	41	(12)	(292)	-23%	-88%
<b>College Level/Total</b>	<b>4,587</b>	<b>4,704</b>	<b>4,495</b>	<b>3,769</b>	<b>(726)</b>	<b>(818)</b>	<b>-16%</b>	<b>-18%</b>

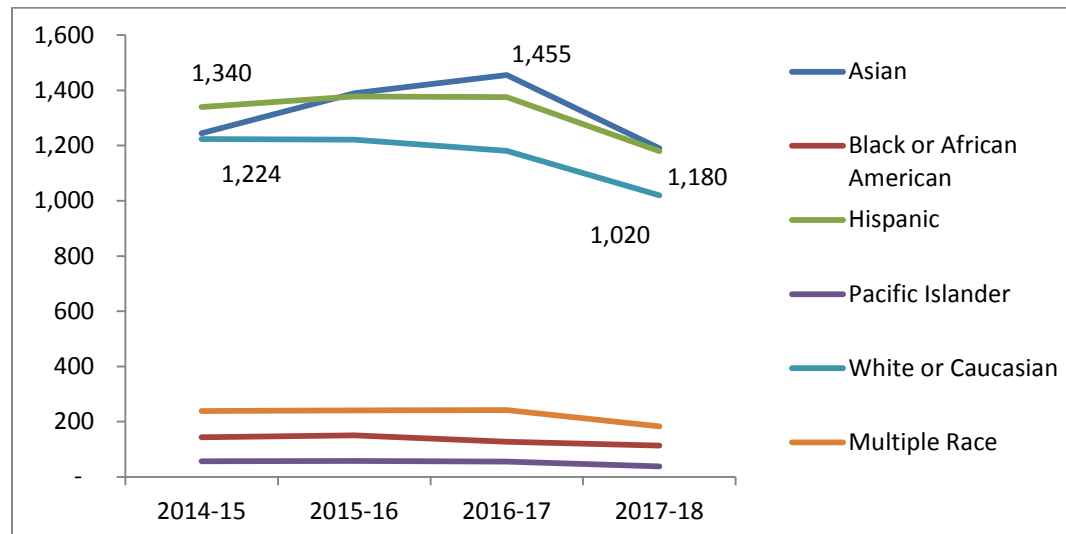


Table 6.A De Anza College, MIS Student Assessment: Headcount by California Residency Status and Academic Year

Residency	Academic Year Headcount				Change		Percent Change	
	2014-15	2015-16	2016-17	2017-18	Last Two Acad Years	Last Four Acad Years	Last Two Acad Years	Last Four Acad Years
California Resident	7,726	6,771	6,389	6,467	78	(1,259)	1%	-16%
Out-of-state	752	786	835	750	(85)	(2)	-10%	0%
International	1,005	1,053	947	903	(44)	(102)	-5%	-10%
Not Reported	5	1	6	5	(1)	-	-17%	0%
College Level/Total	9,488	8,611	8,177	8,125	(52)	(1,363)	-1%	-14%

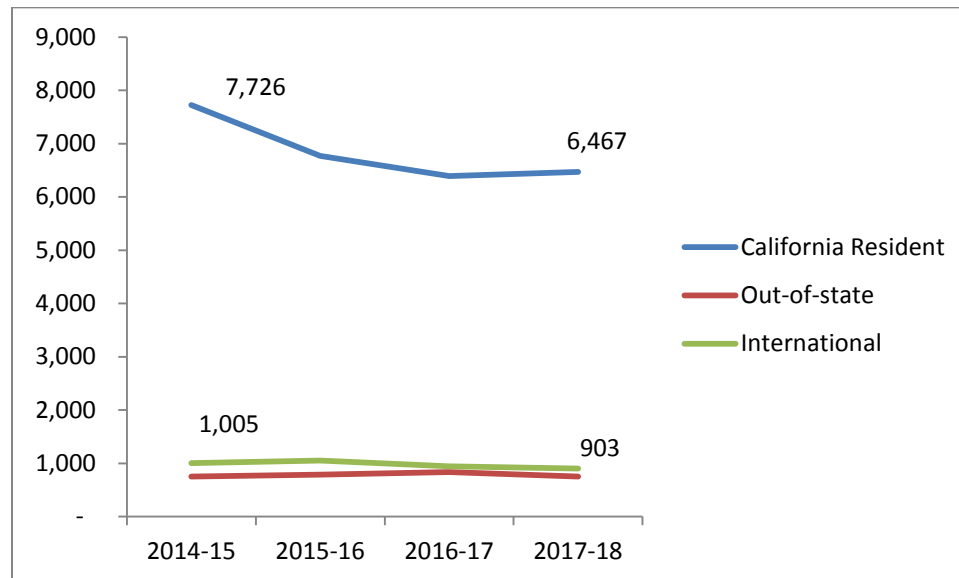


Table 6.B Foothill College, MIS Student Assessment: Headcount by California Residency Status and Academic Year

Residency	Academic Year Headcount				Change		Percent Change	
	2014-15	2015-16	2016-17	2017-18	Last Two Acad Years	Last Four Acad Years	Last Two Acad Years	Last Four Acad Years
California Resident	3,574	3,704	3,497	2,811	(686)	(763)	-20%	-21%
Out-of-state	376	412	476	533	57	157	12%	42%
International	626	578	519	423	(96)	(203)	-18%	-32%
Not Reported	11	10	3	2	(1)	(9)	-33%	-82%
College Level/Total	4,587	4,704	4,495	3,769	(726)	(818)	-16%	-18%

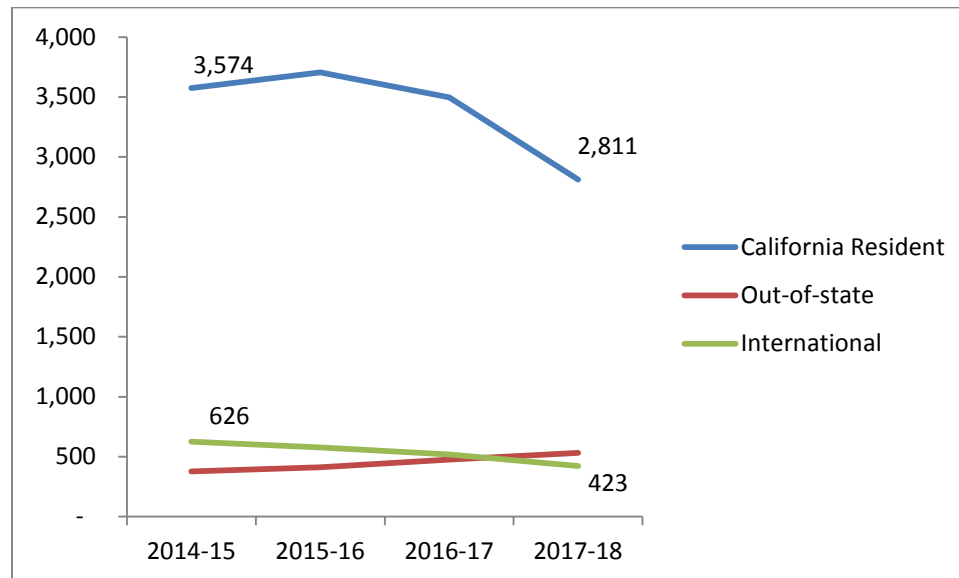


Table 7.A De Anza College, MIS Student Assessment: Headcount by High School Graduation Year Group and Academic Year

High School Grad Year Group	Academic Year Headcount				Change		Percent Change	
	2014-15	2015-16	2016-17	2017-18	Last Two Acad Years	Last Four Acad Years	Last Two Acad Years	Last Four Acad Years
During High School	2,868	2,449	2,061	2,215	154	(653)	7%	-23%
1 year or less after HS	1,966	1,861	1,774	1,574	(200)	(392)	-11%	-20%
More than 1 year after HS	3,523	3,202	3,166	3,152	(14)	(371)	0%	-11%
Not reported	1,131	1,099	1,176	1,184	8	53	1%	5%
<b>College Level/Total</b>	<b>9,488</b>	<b>8,611</b>	<b>8,177</b>	<b>8,125</b>	<b>(52)</b>	<b>(1,363)</b>	<b>-1%</b>	<b>-14%</b>

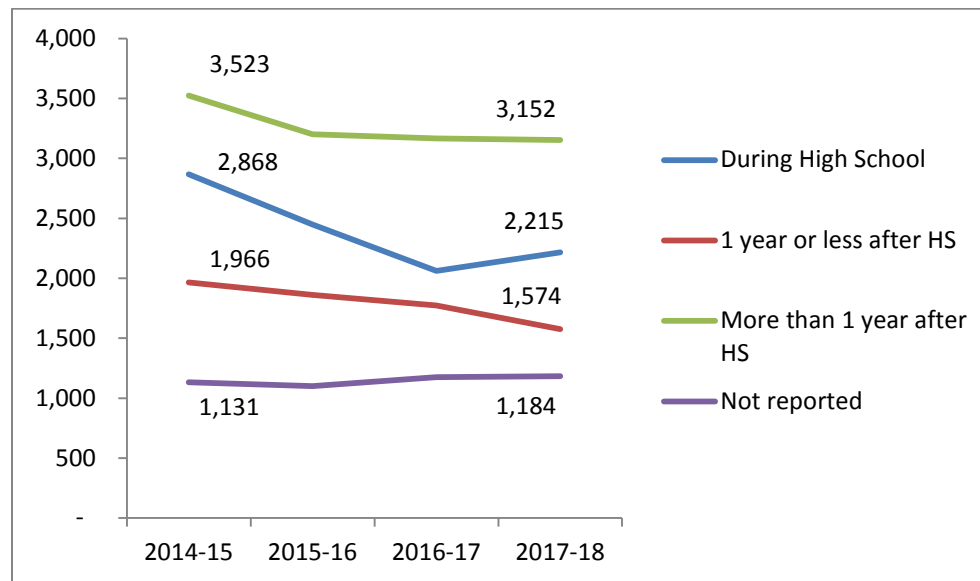




Table 7.B Foothill College, MIS Student Assessment: Headcount by High School Graduation Year Group and Academic Year

High School Grad Year Group	Academic Year Headcount				Change		Percent Change	
	2014-15	2015-16	2016-17	2017-18	Last Two Acad Years	Last Four Acad Years	Last Two Acad Years	Last Four Acad Years
	During High School	795	658	685	310	(375)	(485)	-55%
1 year or less after HS	889	972	938	866	(72)	(23)	-8%	-3%
More than 1 year after HS	2,145	2,280	2,073	1,909	(164)	(236)	-8%	-11%
Not reported	758	794	799	684	(115)	(74)	-14%	-10%
<b>College Level/Total</b>	<b>4,587</b>	<b>4,704</b>	<b>4,495</b>	<b>3,769</b>	<b>(726)</b>	<b>(818)</b>	<b>-16%</b>	<b>-18%</b>

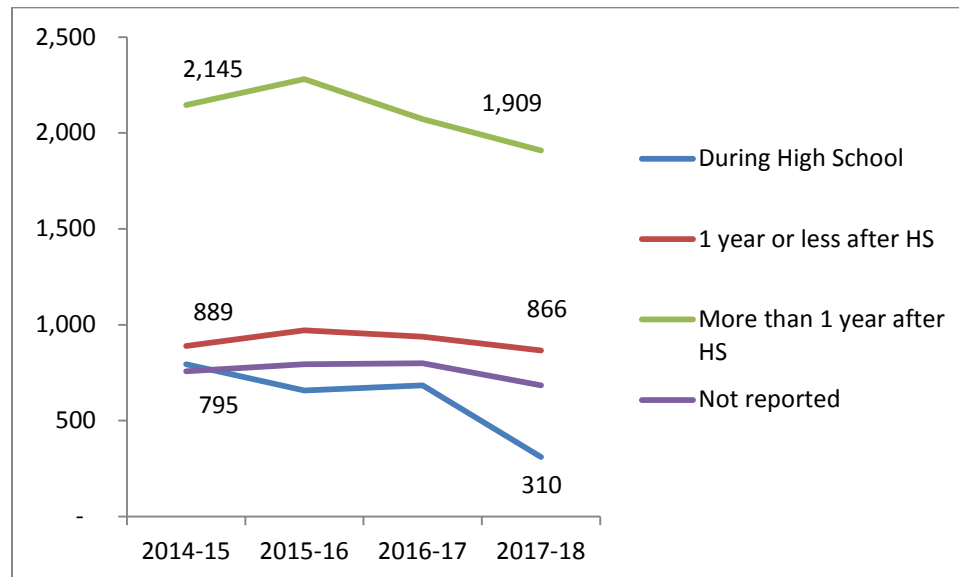


Table 8.A Santa Clara County: High School Student Headcount by Grade and Academic Year

Grade	Academic Year Headcount				Change		Percent Change	
	2014-15	2015-16	2016-17	2017-18	Last Two Acad Years	Last Four Acad Years	Last Two Acad Years	Last Four Acad Years
9th	21,548	21,219	21,342	21,823	481	275	2%	1%
10th	19,969	20,707	20,587	20,782	195	813	1%	4%
11th	19,874	19,700	20,568	20,444	-124	570	-1%	3%
12th	20,434	20,395	20,324	21,219	895	785	4%	4%

Notes

Data source: California Department of Education, Data Quest website: <https://dq.cde.ca.gov/dataquest/> (Date: February 22, 2019)  
 Data include charter and non-charter public schools.

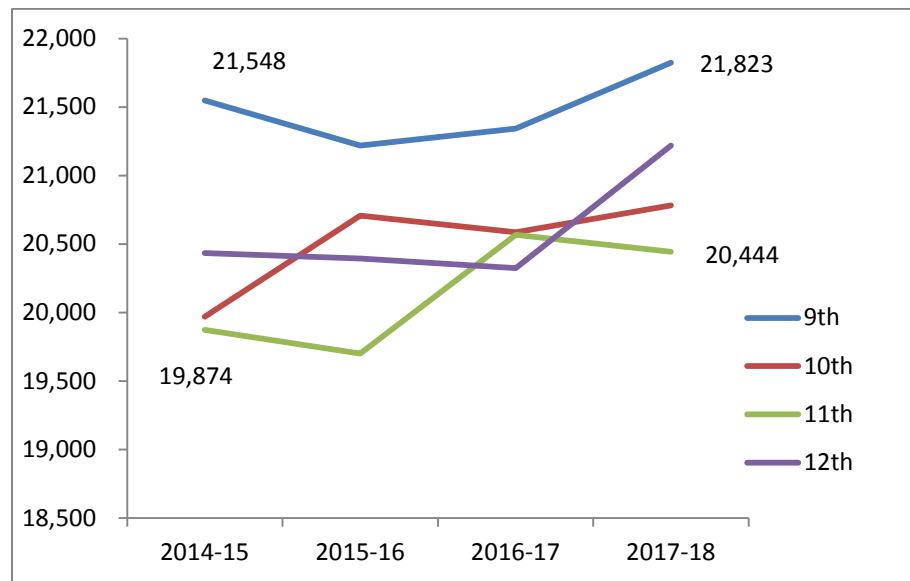


Table 8.B San Mateo County: High School Student Headcount by Grade and Academic Year

Grade	Academic Year Headcount				Change		Percent Change	
	2014-15	2015-16	2016-17	2017-18	Last Two Acad Years	Last Four Acad Years	Last Two Acad Years	Last Four Acad Years
9th	7,232	7,039	7,158	7,323	165	91	2%	1%
10th	6,960	7,342	7,086	7,193	107	233	2%	3%
11th	6,794	6,906	7,321	7,056	-265	262	-4%	4%
12th	6,830	6,796	7,010	7,357	347	527	5%	8%

Notes

Data source: California Department of Education, Data Quest website: <https://dq.cde.ca.gov/dataquest/> (Date: February 22, 2019)  
 Data include charter and non-charter public schools.

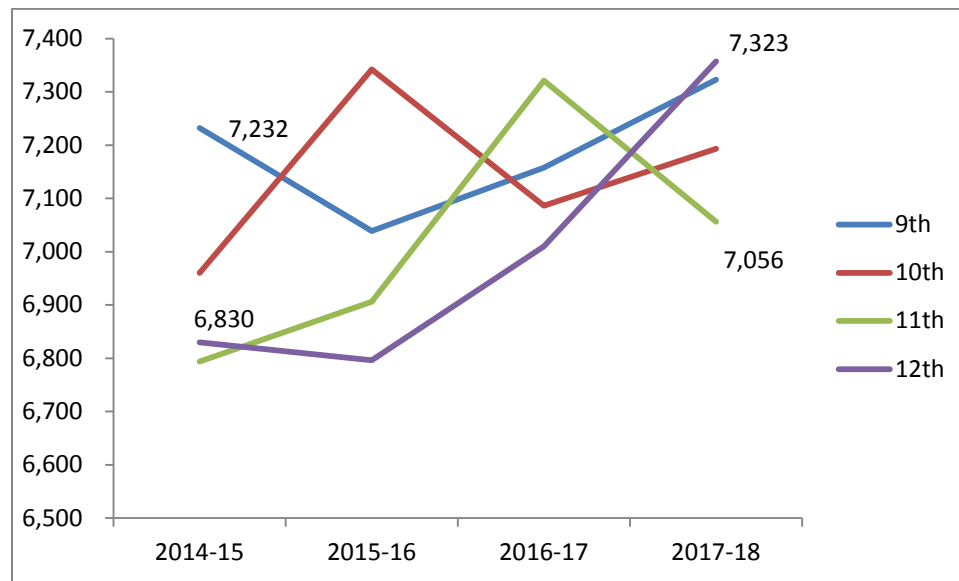


Table 9 FHDA Service Area, Select High School Districts: 12<sup>th</sup> Grade Student Headcount by Academic Year

School District	Academic Year Headcount				Change		Percent Change	
	2014-15	2015-16	2016-17	2017-18	Last Two Acad Years	Last Four Acad Years	Last Two Acad Years	Last Four Acad Years
Fremont Union High	2,704	2,620	2,597	2,745	148	41	6%	2%
Los Gatos-Saratoga Joint Union High	851	800	818	797	(21)	(54)	-3%	-6%
Mountain View-Los Altos High	886	967	924	1,040	116	154	13%	17%
Palo Alto Unified	936	1,020	935	970	35	34	4%	4%

Notes

Data source: California Department of Education, Data Quest website: <https://dq.cde.ca.gov/dataquest/> (Date: February 22, 2019)  
 Data include charter and non-charter public schools.

