
Campus-Based Research

DRAFT

A. Access: Chancellor's Office Definition: "Compare the percentage of each population group that is enrolled to the percentage of each group in the adult population within the community served."

Analysis: LAVC predominantly serves the population in San Fernando Valley. Accordingly, participation rate is measured by comparing the percentage of population group enrolled in the college to the percentage of the same population group living in San Fernando Valley. Using Fall 2013 enrollment and 2012 population data, disproportionate impact analysis shows that Blacks, Asians, and Hispanics have disproportionately lower participation rate compared to the other groups. Males have lower participation rate than females. Therefore, emphasis should be given to improve the participation rate of males in general; and Black, Asian, and Hispanic groups in particular.

Proportionality Index

Age Group	SFV Population ¹		LAVC Enrollment		Proportionality Index
	Count	Cohort Percentage	Count	Enrollment Percentage	
White, Non-Hispanic	3023051	29%	5,743	33%	1.15
Black, Non-Hispanic	813753	8%	1,010	6%	0.75
American Indian	21207	0%	36	0%	1.03
Asian & Pacific Islanders	1413939	14%	1,599	9%	0.69
Multiple ethnicities	204797	2%	1,527	9%	4.52
Hispanic	4934853	47%	7,250	42%	0.89
	10411600	100%	17,165	100%	1.00

80% Index

By Race/Ethnicity	Population Count	Fall 2013 Enrollment Count	Enrollment Rate	80% Index	80% Index
White, Non-Hispanic	3,023,051	5,743	0.0019	0.25	1
Black, Non-Hispanic	813,753	1,010	0.0012	0.17	0.65
American Indian	21,207	36	0.0017	0.23	0.89
Asian & Pacific Islanders	1,413,939	1,599	0.0011	0.15	0.60
Multiple ethnicities	204,797	1,527	0.0075 ²	1.00	3.92
Hispanic	4,934,853	7,250	0.0015	0.20	0.77
Total	10,411,600	17,165			

Proportionality Index

Age Group	SFV Population		LAVC Enrollment		Proportionality Index
	Count	Cohort Percentage	Count	Enrollment Percentage	
Males	5,135,608	49%	7,977	43%	0.88
Females	5,275,991	51%	10,420	57%	1.12
Total	10,411,599	100%	18,397	100%	1.00

80% Index

By Gender	Population Count	Fall 2013 Enrollment Count	Enrollment Rate	80% Index
Males	5,135,608	7,977	0.0016	0.79
Females	5,275,991	10,420	0.0020	1.00
Total	10,411,599	18,397		

¹ EMSI: <http://www.economicmodeling.com/>

² Multiple Ethnicities exceptionally have higher participation rate which dwarfs the participation rates of others. 80% Index is calculated based on two scenarios: by including and excluding Multiple Ethnicities.

B. Course Completion:

- Chancellor's Office Definition: *"Ratio of the number of credit courses those students by population group actually complete by the end of the term compared to the number of courses in which students in that group are enrolled on the census day of the term."*
- Analysis: LAVC's course completion rate for the Fall 2013 semester was 67.82% (CCCCO, Data Mart). Within this low completion rate, African Americans and Pacific Islanders are disproportionately impacted in course completions. No disproportionate impact observed by gender or age groups. Hence, the focus should be on improving completion rate in general, with particular emphasis on eliminating the adverse effects observed in African Americans and Pacific Islanders.

Proportionality Index

Ethnic Group	Cohort Percentage	Completion Percentage	Proportionality Index
African-American	5.69%	4.69%	0.82
American Indian	0.18%	0.19%	1.07
Asian	7.78%	8.56%	1.10
Hispanic	47.68%	44.51%	0.93
Multi-Ethnicity	2.14%	2.02%	0.94
Pacific Islander	0.22%	0.19%	0.84
Unknown	4.49%	4.58%	1.02
White Non-Hispanic	31.81%	35.26%	1.11

80% Index

Race/Ethnicity	Enrollment	Success	Success Rate	80% Index
Total	46,147	31,299	0.68	
African-American	2,628	1,467	0.56	0.74
American Indian/Alaskan Native	83	60	0.72	0.96
Asian	3,588	2,678	0.75	0.99
Hispanic	22,005	13,932	0.63	0.84
Multi-Ethnicity	989	631	0.64	0.85
Pacific Islander	103	59	0.57	0.76
Unknown	2,073	1,435	0.69	0.92
White Non-Hispanic	14,678	11,037	0.75	1.00

Gender	Cohort Percentage ³	Completion Percentage	Proportionality Index ⁴
Female	56.22%	57.74%	1.03
Male	43.78%	42.26%	0.97

80% Index

Gender	Enrollment	Success	Success Rate	80% Index
All	46,147	31,299	0.68	
Female	25,946	18,072	0.70	1
Male	20,201	13,227	0.65	0.94

Age Group	Enrollment	Success	Success Rate	80% Index
All	46,147	31,299	0.68	
1 to 17	1,929	1,433	0.74	0.95
18 & 19	9,987	6,619	0.66	0.85
20 to 24	17,052	10,838	0.64	0.82
25 to 29	5,892	3,999	0.68	0.87
30 to 34	3,275	2,361	0.72	0.93
35 to 39	2,160	1,591	0.74	0.95
40 to 49	2,871	2,138	0.74	0.96
50 +	2,981	2,320	0.78	1.00

Age group	Cohort Percentage	Completion Percentage	Proportionality Index
1 to 17	4%	5%	1.10
18 & 19	22%	21%	0.98
20 to 24	37%	35%	0.94
25 to 29	13%	13%	1.00
30 to 34	7%	8%	1.06
35 to 39	5%	5%	1.09
40 to 49	6%	7%	1.10
50 +	6%	7%	1.15

³ The cohort population is Fall 2013 credit enrollment (Data Mart).

⁴ Proportionality Index compares the percentage of disaggregated subgroup in an initial cohort to its own percentage in the resultant outcome group. A ratio of 1.00 indicates that a subgroup is present in both conditions at the same rate, a ratio of less than 1.00 shows that the subgroup is less prevalent in the outcome than the cohort, greater than 1.00 indicates the subgroup is more prevalent in the outcome than the cohort group (CCCCO).

C. ESL and Basic Skills Completion⁵:

- Chancellor's Office Definition: "Ratio of the number of students by population group who complete a degree-applicable course after having completed the final ESL or basic skills course compared to the number of those students who complete such a final course."
- Analysis: Generally speaking, rates of students who complete a degree applicable course after they complete their basic skill /ESL courses are low. Within this low rate, noticeable equity gap exists between the different segments of the student population. African Americans, American Indians, and Hispanics (in English and math); Hispanics and Unknowns; Males (in ESL); Filipinos (in Math); and age groups 25-54 (in ESL and English) are disproportionately impacted compared to the other groups.

Basic Skills Area	Completed Final Basic Skills Course	Completed Degree Applicable Course	%
ESL	1,473	347	23.56%
English	6,531	2610	39.96%
Math	7169	1793	25.01%

Proportionality Index

Ethnic Group	Completed Final Basic Skills Course			Completed Degree-Applicable Course			Proportionality Index		
	ESL	English	Math	ESL	English	Math	ESL	English	Math
African American	1.00%	7.10%	8.60%	1.20%	5.10%	4.80%	1.13	0.71	0.56
American Indian	n/a	0.30%	0.50%	n/a	0.20%	0.50%	n/a	0.6	1.06
Asian	14.70%	6.10%	3.70%	17.90%	7.40%	5.20%	1.21	1.21	1.39
Filipino	0.60%	4.20%	3.80%	1.40%	4.80%	3.80%	2.36	1.14	1.02
Hispanic	23.40%	49.50%	46.80%	18.40%	43.80%	40.30%	0.79	0.88	0.86
Pacific Islander	0.10%	0.40%	0.60%	0.00%	0.50%	0.70%	0	1.21	1.27
Unknown	10.90%	9.00%	9.80%	8.60%	10.50%	11.30%	0.79	1.17	1.14
White	49.30%	23.30%	26.20%	52.40%	27.80%	33.40%	1.06	1.19	1.28

80% Index

	Completed Final Basic Skills Course			Completed Degree-Applicable Course			Completion Rate			80% Index		
	ESL	English	Math	ESL	English	Math	ESL	English	Math	ESL	English	Math
African American	15	465	616	4	132	86	0.27	0.28	0.14	0.48	0.59	0.40
American Indian		21	34		5	9	N/A	0.24	0.26	N/A	0.49	0.76
Asian	217	398	267	62	193	93	0.29	0.48	0.35	0.51	1.00	1.00
Filipino	9	272	270	5	124	69	0.56	0.46	0.26	1.00	0.94	0.73
Hispanic	344	3236	3358	64	1142	722	0.19	0.35	0.22	0.33	0.73	0.62
Pacific Islander	1	29	41		14	13	0.00	0.48	0.32	0.00	1.00	0.91
Unknown	161	590	706	30	275	202	0.19	0.47	0.29	0.34	0.96	0.82
White	726	1520	1877	182	725	599	0.25	0.48	0.32	0.45	0.98	0.92
Grand Total	1473	6531	7169	347	2610	1793	0.24	0.40	0.25			

⁵ Three cohort year data (i.e. 2005-2006, 2006-2007, 2007-2008) are merged to get significant number of student population to make meaningful analysis (Source: CCCCO, Data on Demand).

Proportionality Index

Gender	Completed Final Basic Skills Course			Completed Degree-Applicable Course			Proportionality Index		
	English	Math	ESL	ESL	English	Math	ESL	English	Math
Female	60.00%	60.70%	71.40%	78.70%	63.70%	64.40%	1.1	1.06	1.06
Male	40.00%	39.30%	28.60%	21.30%	36.30%	35.60%	0.75	0.91	0.91

80% Index

	Completed Final Basic Skills Course			Completed Degree-Applicable Course			Completion Rate			80% Index		
	ESL	English	Math	ESL	English	Math	ESL	English	Math	ESL	English	Math
Female	1052	3917	4351	273	1662	1154	0.26	0.42	0.27	1.00	1.00	1.00
Male	421	2614	2818	74	948	639	0.18	0.36	0.23	0.68	0.85	0.85
Grand Total	1473	6531	7169	347	2610	1793	0.24	0.40	0.25			

Proportionality Index

Age Group	Completed Final Basic Skills Course			Completed Degree-Applicable Course			Proportionality Index		
	ESL	Math	English	ESL	Math	English	ESL	Math	English
Under 20	7.7%	40.6%	51.8%	13.0%	41.6%	59.8%	1.68	1.02	1.15
20-24	15.6%	25.6%	21.5%	26.2%	25.7%	19.3%	1.68	1.00	0.90
25-49	60.6%	30.7%	24.4%	54.2%	30.1%	20.0%	0.89	0.98	0.82
50 or more	16.0%	3.1%	2.3%	6.6%	2.7%	0.9%	0.41	0.86	0.41
Grand Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	1.00	1.00	1.00

80% Index

	Completed Final Basic Skills Course			Completed Degree-Applicable Course			Completion Rate			80% Index		
	ESL	English	Math	ESL	English	Math	ESL	English	Math	ESL	English	Math
Under 20	114	3385	2914	45	1562	745	0.39	0.46	0.26	1.00	1.00	1.00
20-24	230	1403	1833	91	503	460	0.40	0.36	0.25	1.00	0.78	0.98
25-49	862	1556	2149	185	510	527	0.21	0.33	0.25	0.54	0.71	0.96
35-54	31	39	51	3	11	13	0.10	0.28	0.25	0.24	0.61	1.00
50 or more	236	148	222	23	24	48	0.10	0.16	0.22	0.25	0.35	0.85
Grand Total	1473	6531	7169	347	2610	1793	0.24	0.40	0.25			

Proportionality Index

Disability Status	Completed Final Basic Skills Course			Completed Degree-Applicable Course			Proportionality Index		
	ESL	English	Math	ESL	English	Math	ESL	English	Math
Not Disabled	96.50%	95.30%	94.40%	96.50%	96.20%	95.00%	1.00	1.01	1.01
Disabled	3.50%	4.70%	5.60%	3.50%	3.80%	5.00%	0.98	0.81	0.89

80% Index

	Completed Final Basic Skills Course			Completed Degree-Applicable Course			Completion Rate			80% Index		
	ESL	English	Math	ESL	English	Math	ESL	English	Math	ESL	English	Math
Not Disable	1421	6224	6770	335	2511	1704	0.24	0.40	0.25	1	1	1
Disable	52	307	399	12	99	89	0.23	0.32	0.22	0.98	0.80	0.89
Grand Total	1473	6531	7169	347	2610	1793	0.24	0.40	0.25			

Proportionality Index

Economic Status	Completed Final Basic Skills Course			Completed Degree-Applicable Course			Proportionality Index		
	ESL	English	Math	ESL	English	Math	ESL	English	Math
Economically advantaged	27.60%	39.70%	38.40%	22.50%	34.90%	34.70%	0.82	0.88	0.91
Economically Disadvantaged	72.40%	39.70%	61.60%	77.50%	65.10%	65.30%	1.07	1.64	1.06

D. Degree and Certificate Completion⁶

- Chancellor's Office Definition: "Ratio of the number of students by population group who receive a degree or certificate to the number of students in that group with the same informed matriculation goal."
- Analysis: The most significant equity gap observed in degree/certificate completion is between ethnic, gender, and economic groups. African Americans (in both degree and certificates), male students (degree), students from economically better families (in both degree and certificates), and age groups "50 and above" and "under 20" (degree and certificates) are disproportionately impacted compared to others.

Proportionality Index

Ethnic Group	Fall 2007 New Student Cohort	Degree Completion	Proportionality Index	Certificate Completion	Proportionality Index
African American	5.5%	4.1%	0.74	2.7%	0.48
American Indian	0.2%	0.3%	2.18	0.0%	0.00
Asian	6.4%	7.5%	1.16	6.5%	1.01
Filipino	4.1%	4.6%	1.13	4.4%	1.09
Hispanic	44.0%	41.0%	0.93	42.3%	0.96
Pacific Islander	0.5%	0.6%	1.10	0.6%	1.15
Unknown	9.6%	8.6%	0.90	9.5%	0.99
White	29.7%	33.4%	1.12	34.0%	1.15

80% Index

Race/Ethnicity	Cohort Population	AA	Certificate	Award Rate		80% Index	
				AA	Certificate	AA	Certificate
African American	356	36	9	0.10	0.03	0.34	0.42
American Indian	10	3		0.30	0.00	1.00	0.00
Asian	414	66	22	0.16	0.05	0.53	0.88
Filipino	263	41	15	0.16	0.06	0.52	0.95
Hispanic	2833	362	143	0.13	0.05	0.43	0.84
Pacific Islander	33	5	2	0.15	0.06	0.51	1.01
Unknown	615	76	32	0.12	0.05	0.41	0.86
White	1910	295	115	0.15	0.06	0.51	1.00
Grand Total	6434	884	338	0.14	0.05		

Proportionality Index

⁶ Three cohort year data (i.e. 2005-2006, 2006-2007, 2007-2008) are merged to get significant number of student population to make meaningful analysis (Source: CCCCO, Data on Demand).

Age	New Student Cohort	Degree Completion	Proportionality Index	Certificate Completion	Proportionality Index
Under 20	73.6%	67.4%	0.92	71.6%	0.97
20-24	9.7%	11.4%	1.18	7.4%	0.77
25-49	14.3%	18.7%	1.31	19.2%	1.35
50 or more	2.5%	2.5%	1.00	1.8%	0.71

80% Index

Age Group	Cohort Population	AA	Certificate	Award Rate		80% Index	
				AA	Certificate	AA	Certificate
Under 20	4733	596	242	0.13	0.05	0.70	0.72
20-24	622	101	25	0.16	0.04	0.90	0.57
25-49	919	165	65	0.18	0.07	1.00	1.00
50 or more	160	22	6	0.14	0.04	0.77	0.53
Grand Total	6434	884	338	0.14	0.05		

Proportionality Index

Sex	Fall 2007 New Student Cohort	Degree Completion	Proportionality Index	Certificate Completion	Proportionality Index
Female	57.0%	66.2%	1.16	58.3%	1.02
Male	43.0%	33.8%	0.79	41.7%	0.97

80% Index

GENDER	Grand Total	AA	Certificate	Award Rate		80% Index	
				AA	Certificate	AA	Certificate
F	3667	585	197	0.16	0.05	1	1
M	2767	299	141	0.11	0.05	0.68	1
Grand Total	6434	884	338	0.14	0.05		

Proportionality Index

Disability Status	Fall 2007 New Student Cohort	Degree Completion	Proportionality Index	Certificate Completion	Proportionality Index
Not Disabled	95.7%	94.9%	0.99	96.2%	1.00
Disabled	4.3%	5.1%	1.19	3.8%	0.90

80% Index

DSPS Status	Grand Total	AA	Certificate	Award Rate		80% Index	
				AA	Certificate	AA	Certificate
Not Disable	6155	839	325	0.14	0.05	0.84	1
Disable	276	45	13	0.16	0.05	1.00	1
Grand Total	6431	884	338	0.14	0.05		

Proportionality Index

Economic Status	Fall 2007 New Student Cohort	Degree Completion	Proportionality Index	Certificate Completion	Proportionality Index
Economically advantaged	27.0%	17.0%	0.63	13.9%	0.51
Economically Disadvantaged	73.0%	83.0%	1.14	86.1%	1.18

80% Index

ECON_DIS	Grand Total	AA	Certificate	Award Rate		80% Index	
				AA	Certificate	AA	Certificate
Not Econ Dis	1738	150	47	0.09	0.03	0.55	0.44
Econ Dis	4696	734	291	0.16	0.06	1.00	1.00
Grand Total	6434	884	338	0.14	0.05		

E. Transfer:

- Chancellor's Office Definition: "Ratio of the number of students by population group who complete a minimum of 12 units and have attempted a transfer level course in mathematics or English to the number of students in that group who actually transfer after one or more (up to six) years."
- Analysis: Disabled students, Calwork students, American Indians, Pacific Islanders, Filipinos, and students of age 30 and above are disproportionately impacted when it comes to transferring to a four year institution. The higher the student's age, the less likely the student transfer. Modest equity gap observed among American Indians, Filipinos, Hispanics, and students of age group 18 to 29.

Proportionality Index

Ethnic Group	Cohort Percentage	Transfer Percentage	Proportionality Index
African-American	4.0%	4.0%	1.01
American Indian/Alaskan Native	0.2%	0.2%	0.89
Asian	9.1%	7.7%	1.18
Filipino	3.5%	4.1%	0.85
Hispanic	38.6%	41.0%	0.94
Pacific Islander	0.3%	0.5%	0.77
Unknown	12.2%	10.4%	1.18
White Non-Hispanic	32.1%	32.3%	0.99

80% Index

Ethnic Group	Transfers	Cohort Student	Transfer Rate	80% Index
Total	573	1536	0.37	
African-American	23	61	0.38	0.86
American Indian/Alaskan Native	1	3	0.33	0.76
Asian	52	118	0.44	1.00
Filipino	20	63	0.32	0.72
Hispanic	221	629	0.35	0.80
Pacific Islander	2	7	0.29	0.65
Unknown	70	159	0.44	1.00
White Non-Hispanic	184	496	0.37	0.84

Proportionality Index

Age Group	Cohort Percentage	Transfer Percentage	Proportionality Index
17 or Less	53.6%	44.6%	1.20
18 & 19	33.2%	35.5%	0.93
20 to 24	6.3%	7.6%	0.83
25 to 29	3.0%	3.3%	0.89
30 to 34	0.7%	2.5%	0.27
35 to 39	1.4%	2.1%	0.67
40 to 49	1.7%	3.4%	0.52
50 +	0.2%	1.0%	0.17

80% Index

Age Group	Transfers	Cohort Student	Transfer Rate	80% Index
Total	573	1536	0.37	
17 or Less	307	685	0.45	1
18 & 19	190	545	0.35	0.78
20 to 24	36	116	0.31	0.69
25 to 29	17	51	0.33	0.74
30 to 34	4	39	0.10	0.23
35 to 39	8	32	0.25	0.56
40 to 49	10	52	0.19	0.43
50 +	1	16	0.06	0.14

Proportionality Index

Gender	Cohort Percentage	Transfer Percentage	Proportionality Index
Female	58.5%	57.6%	1.01
Male	41.5%	42.4%	0.98

80% Index

Gender	Transfers	Cohort Student	Transfer Rate	80% Index
Total	573	1536	0.37	
Female	335	885	0.38	1
Male	238	651	0.37	0.97

Proportionality Index

	Cohort Percentage	Transfer Percentage	Proportionality Index
Not a CalWORKs Participant	98.8%	97.0%	1.02
CaLWORKS	1.2%	3.0%	0.41

Disability Status	Cohort Percentage	Transfer Percentage	Proportionality Index
Not Disabled	97.4%	96.4%	1.01
Disabled	2.6%	3.6%	0.72

80% Index

Disability	Transfers	Cohort Student	Transfer Rate	80% Index
Total	573	1536	0.37	
Not Disabled	558	1480	0.38	1
Disabled	15	56	0.27	0.71

CalWorks	Transfers	Cohort Student	Transfer Rate	80% Index
Total	573	1536	0.37	

Not a CalWORKs Participant	566	1490	0.38	1
CaLWORKS	7	46	0.15	0.40

Proportionality Index

EOPS/CARE Status	Cohort Percentage	Transfer Percentage	Proportionality Index
EOPS /Care Students	12.0%	14.0%	0.86
Not EOPS/CARE Student	88.0%	86.0%	1.02

80% Index

EOPS Status	Transfers	Cohort Student	Transfer Rate	80% Index
Total	573	1536	0.37	
EOPS /Care Students	69	215	0.32	0.84
Not EOPS/CARE Student	504	1321	0.38	1.00