

**Analysis of Parent Education Data Element
California Community Colleges (CCC) Management Information System**

*California Community Colleges Chancellor's Office – December 1, 2014
Research, Analysis and Accountability Unit*

The Parent Education data element ([SG09 STUDENT-PARENT/GUARDIAN-EDUCATION-LEVEL](#)) measures the education level of the parent(s)/guardian(s) of California Community College (CCC) students. The Parent/Guardian Education Level data element will be used to identify First-Generation students in the CCC system. Parental education is often used as a statistical control for pre-existing student factors in order to better assess the effects of programming on outcomes such as persistence, completion, transfer or earnings. First-generation status will be routinely used for disaggregating students within various reports, as well as in the DataMart and the Scorecard. The data element became mandatory in the Summer 2012 term.

The Parent/Guardian Education Level data element has nine possible values (see Table One.).

Table 1. Parent Education Level (SG09) Data Values

Coding	Meaning
1	Grade 9 or less
2	Grade 10, 11, or 12 but did not graduate
3	High school graduate
4	Some college but no degree
5	AA/AS degree
6	BA/BS degree
7	Graduate or professional degree beyond a BA/BS
Y	Not applicable, no first (or second) parent/guardian
X	Unknown / Unreported

The format of the Parent/Guardian Education Level data element is 'XX,' allowing for information to be entered for one or two parents or guardians. The data are gathered from a CCCApply item displayed in Figure One. The student may skip the item completely, producing a data value of 'XX'.

Figure 1. CCCApply Parent/Guardian Education Level Item

Parent/Guardian Education Level	
Regardless of your age, please indicate the education levels of the parents and/or guardians who raised you.	
Parent or guardian 1:	Select an education level <input type="button" value="v"/>
Parent or guardian 2:	Select an education level <input type="button" value="v"/>

Combining the nine possible data values into an 'XX' format produces a formidable array of 81 possibilities as shown in Table Two.

Table 2. All Possible Data Values for Parent Education Data Element

		Parent/Guardian #2								
		1	2	3	4	5	6	7	X	Y
Parent/Guardian #1	1	11	12	13	14	15	16	17	1X	1Y
	2	21	22	23	24	25	26	27	2X	2Y
	3	31	32	33	34	35	36	37	3X	3Y
	4	41	42	43	44	45	46	47	4X	4Y
	5	51	52	53	54	55	56	57	5X	5Y
	6	61	62	63	64	65	66	67	6X	6Y
	7	71	72	73	74	75	76	77	7X	7Y
	X	X1	X2	X3	X4	X5	X6	X7	XX	XY
	Y	Y1	Y2	Y3	Y4	Y5	Y6	Y7	YX	YY

To simplify analysis, the highest parent/guardian education level within each 'XX' pair was selected to represent the household. For example, a data value of '13' is coded as '3', a data value of '72' is coded as '7', and a value of 'X4' is coded as '4.'

These values were then aggregated to produce the First-Generation construct. First-Generation status is defined as a student for whom no parent or guardian has earned more than a high school diploma and who has no college experience. Table Three presents the aggregation of the Parent/Guardian Education Level data values into the First-Generation construct.

Table 3. First-Generation Status Definition From Parent/Guardian Education Level Data Element

First Generation	11, 1X, X1, 1Y, Y1, 12, 21, 22, 2X, X2, 2Y, Y2, 13, 23, 31, 32, 33, 3X, 3Y, X3, Y3
Nonfirst-Generation	14, 24, 34, 41, 42, 43, 44, 4X, 4Y, X4, Y4, 15, 25, 35, 45, 51, 52, 53, 54, 55, 5X, 5Y, X5, Y5, 16, 26, 36, 46, 56, 61, 62, 63, 64, 65, 66, 6X, 6Y, X6, Y6, 17, 27, 37, 47, 57, 67, 71, 72, 73, 74, 75, 76, 77, 7X, 7Y, X7, Y7
Not Applicable	XY, YX, YY
Unknown/Unreported	XX

The Parent/Guardian Education Level data element is stored in the Chancellor's Office Management Information System (COMIS) SG Domain. (Click [here](#) for Special Populations Data Record.)

The Parent/Guardian Education Level data element is unique in this data table as it should be reported on every student, regardless of whether a student qualifies for inclusion in any special population. For all other data elements in the SGPOPS data table, students are included in the data table only if they are eligible for at least one special population (e.g., EOPS, foster care, DSPS, veterans, Puente).

Counts of First-Generation students are currently available in California Community Colleges Chancellor's Office (CCCCO) Data Mart by college and district on a term basis. The counts are available by querying the DataMart under Student Services/Special Populations. Additionally, the percent of First-Generation students will be included in the Scorecard 2015 College Profile page.

At present, the Parent/Guardian Education Level data element is incompletely reported to COMIS. Strictly speaking, any enrolled student completing an application since the Summer 2012 term should have at least one entry in SGPOPS for the Parent/Guardian Education Level data element. Once the data elements are logged in, the data values are rolled over into subsequent terms of enrollment unless the student completes another CCCApply application. At this point, only students completing an application during the Summer 2012 term or later are expected to have Parent/Guardian Education Level information in SGPOPS.

Frequencies of data available in the COMIS data table SGPOPS as of December 1, 2014 are included in the Appendix. The frequencies include students with a Headcount Status of A, B, C, D, E, F or G and a SG09 value for at least one term from Summer 2013 through Spring 2014. Records were unduplicated at the student-college level; a student is counted only once at each college during the entire Academic Year 2013-14. If a student attended more than one term at a college the most recent term was retained to insure that the First-Generation status is most current.

The First-Generation percentage is calculated with the following formula:

$$\frac{\text{First-Generation}}{\text{(First-Generation + Nonfirst-Generation)}}$$

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APPENDIX

First-Generation Percentages by College: Academic Year 2013-14

College	First-Generation Status				All	First-Generation Percentage
	FG	NFG	X	Y		
System-wide	250,004	390,168	360,837	3,069	1,004,078	39.1%
Allan Hancock College	4,751	7,361	183	99	12,394	39.2%
American River College	975	1,262	348	0	2,585	43.6%
Antelope Valley College	1,392	1,618	926	3	3,939	46.2%
Bakersfield College	10,489	9,677	112	96	20,374	52.0%
Barstow College	0	0	730	0	730	0.0%
Berkeley City College	0	0	11,972	0	11,972	0.0%
Butte College	1,611	3,520	655	23	5,809	31.4%
Cabrillo College	3,177	7,057	559	507	11,300	31.0%
Cañada College	1,259	2,279	140	3	3,681	35.6%
Cerritos College	12,128	9,539	353	96	22,116	56.0%
Cerro Coso Community College	1,836	3,457	68	15	5,376	34.7%
Chabot College	339	419	168	18	944	44.7%
Chaffey College	0	0	557	0	557	0.0%
Citrus College	0	0	576	0	576	0.0%
City College of San Francisco	3,294	4,824	5,998	68	14,184	40.6%
Coastline Community College	0	0	154	0	154	0.0%
College of Alameda	0	0	11,492	0	11,492	0.0%
College of Marin	831	4,042	741	84	5,698	17.1%
College of San Mateo	2,072	5,255	108	2	7,437	28.3%
College of the Canyons	4,723	10,833	433	42	16,031	30.4%
College of the Desert	0	0	776	0	776	0.0%
College of the Redwoods	0	0	88	0	88	0.0%
College of the Sequoias	4,092	4,510	625	25	9,252	47.6%
College of the Siskiyous	0	0	94	0	94	0.0%
Columbia College	0	0	0	0	0	0.0%
Contra Costa College	2,615	2,770	336	31	5,752	48.6%
Copper Mountain College	150	202	133	3	488	42.6%
Cosumnes River College	363	431	158	0	952	45.7%

College	First-Generation Status				All	First-Generation Percentage
	FG	NFG	X	Y		
Crafton Hills College	0	0	304	0	304	0.0%
Cuesta College	2,229	6,927	190	4	9,350	24.3%
Cuyamaca College	1,881	1,964	430	19	4,294	48.9%
Cypress College	0	0	0	0	0	0.0%
De Anza College	9,381	21,077	145	22	30,625	30.8%
Diablo Valley College	4,745	15,189	152	41	20,127	23.8%
East Los Angeles College	6,759	3,473	46,087	103	56,422	66.1%
El Camino College	4,327	5,712	891	53	10,983	43.1%
El Camino College Compton Center	1,362	1,171	109	26	2,668	53.8%
Evergreen Valley College	0	0	140	0	140	0.0%
Feather River College	0	0	693	0	693	0.0%
Folsom Lake College	162	281	65	0	508	36.6%
Foothill College	6,300	18,981	92	17	25,390	24.9%
Fresno City College	8,030	13,225	568	0	21,823	37.8%
Fullerton College	0	0	0	0	0	0.0%
Gavilan College	1,633	1,940	565	5	4,143	45.7%
Glendale Community College	0	0	175	0	175	0.0%
Golden West College	0	0	566	0	566	0.0%
Grossmont College	4,715	8,247	415	57	13,434	36.4%
Hartnell College	1,790	1,386	329	235	3,740	56.4%
Imperial Valley College	0	0	221	0	221	0.0%
Irvine Valley College	3,407	10,644	102	0	14,153	24.2%
Lake Tahoe Community College	671	1,781	1,576	13	4,041	27.4%
Laney College	0	0	20,382	0	20,382	0.0%
Las Positas College	108	280	65	4	457	27.8%
Lassen College	1,501	1,483	842	214	4,040	50.3%
Long Beach City College	0	0	0	0	0	0.0%
Los Angeles City College	4,825	4,608	24,367	100	33,900	51.2%
Los Angeles Harbor College	2,121	2,330	9,970	28	14,449	47.7%
Los Angeles Mission College	2,776	1,448	10,031	49	14,304	65.7%
Los Angeles Pierce College	3,694	5,197	21,366	61	30,318	41.5%
Los Angeles Southwest College	1,995	1,895	10,680	48	14,618	51.3%

College	First-Generation Status				All	First-Generation Percentage
	FG	NFG	X	Y		
Los Angeles Valley College	3,935	4,334	20,502	68	28,839	47.6%
Los Medanos College	3,297	5,343	172	29	8,841	38.2%
Mendocino College	879	1,729	231	0	2,839	33.7%
Merced College	5,111	4,739	208	66	10,124	51.9%
Merritt College	0	0	11,058	0	11,058	0.0%
MiraCosta College	3,483	8,319	3,375	38	15,215	29.5%
Mission College	0	0	448	0	448	0.0%
Modesto Junior College	0	0	0	0	0	0.0%
Monterey Peninsula College	154	300	15,941	1	16,396	33.9%
Moorpark College	2,390	7,511	172	22	10,095	24.1%
Moreno Valley College	1,998	2,006	987	58	5,049	49.9%
Mt. San Antonio College	10,120	13,119	232	37	23,508	43.5%
Mt. San Jacinto College	6,560	9,417	191	5	16,173	41.1%
Napa Valley College	1,927	3,442	171	23	5,563	35.9%
Norco College	1,600	2,229	655	29	4,513	41.8%
Ohlone College	1,188	3,164	156	21	4,529	27.3%
Orange Coast College	0	0	428	0	428	0.0%
Oxnard College	1,958	1,321	171	24	3,474	59.7%
Palo Verde College	0	0	1,274	0	1,274	0.0%
Palomar College	0	0	971	0	971	0.0%
Pasadena City College	2,005	2,874	835	0	5,714	41.1%
Porterville College	2,349	1,737	20	9	4,115	57.5%
Reedley College	4,644	8,116	225	0	12,985	36.4%
Rio Hondo College	0	0	948	0	948	0.0%
Riverside City College	4,035	5,115	882	68	10,100	44.1%
Sacramento City College	504	641	187	0	1,332	44.0%
Saddleback College	5,400	18,000	183	0	23,583	23.1%
San Bernardino Valley College	0	0	1,003	0	1,003	0.0%
San Diego City College	0	0	2,450	0	2,450	0.0%
San Diego Continuing Education	0	0	513	0	513	0.0%
San Diego Mesa College	0	0	2,950	0	2,950	0.0%
San Diego Miramar College	0	0	1,629	0	1,629	0.0%
San Joaquin Delta College	10,602	12,835	0	74	23,511	45.2%

College	First-Generation Status				All	First-Generation Percentage
	FG	NFG	X	Y		
San Jose City College	0	0	326	0	326	0.0%
Santa Ana College	7,721	9,259	890	0	17,870	45.5%
Santa Barbara City College	0	0	27,266	0	27,266	0.0%
Santa Monica College	14,146	23,998	36	0	38,180	37.1%
Santa Rosa Junior College	4,717	9,360	25,001	67	39,145	33.5%
Santiago Canyon College	1,342	0	3,918	0	5,260	100.0%
Shasta College	0	0	494	0	494	0.0%
Sierra College	0	0	926	0	926	0.0%
Skyline College	2,845	5,357	163	5	8,370	34.7%
Solano Community College	1,333	2,775	6,811	8	10,927	32.4%
Southwestern College	0	0	1,961	0	1,961	0.0%
Taft College	898	1,016	133	1	2,048	46.9%
Ventura College	3,496	4,923	326	43	8,788	41.5%
Victor Valley College	0	0	164	0	164	0.0%
West Hills College Coalinga	1,173	1,476	139	7	2,795	44.3%
West Hills College Lemoore	1,520	1,881	295	6	3,702	44.7%
West Los Angeles College	1,840	2,600	12,346	35	16,821	41.4%
West Valley College	0	0	391	0	391	0.0%
Woodland Community College	3	3	19	1	26	50.0%
Yuba College	15	12	50	3	80	55.6%