

Analysis of Missing Social Security Numbers (SSN) in the California Community Colleges (CCC) Management Information System

Student Social Security Numbers (SSN's) are used to determine First-Time Freshman (FTF) status in the California Community College (CCC) system. The process for determining FTF involves identifying prior enrollments outside the CCC system through a match with data from the National Student Clearinghouse (NSC), the University of California (UC) and California State University (CSU). SSN's are also used to match student records with baccalaureate-granting institutions to establish subsequent transfers and to link students with wage data from California's Employment Development Department (EDD) for specific projects. The purpose of the analysis reported below is to assess the quality of the SSN data statewide and for each college.

The Student Identifier (SB00) is the data element in the Management Information System (MIS) that uniquely identifies a student for all terms and at all colleges. In general, the student's SSN is reported in this data element. If a student does not have, or declines to use an SSN, the system requires the college to assign a unique number instead. This locally assigned identifier is distinct to a particular college or district, therefore does not apply statewide and cannot be used to establish FTF status, or match with datasets from other systems.

In this analysis, the percentage of missing SSN's is the proportion of students with local identifiers within the entire student population. Data were extracted from the CCC MIS in December 2012 and include credit students enrolled from 2005-06 through 2011-12.

The number and percentage of missing SSN's statewide for seven academic years are presented in Table One and range from 7.1% to 11.3% during the period from 2005-06 to 2011-12. Table Two displays the percent of missing SSN's by college, which range from 0.3% to 38.3% in 2011-12.

	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
SSNs¹	748,544	778,291	816,334	824,048	732,999	667,877	571,392
Local Identifiers²	56,967	70,687	93,811	105,066	78,232	59,768	53,980
Percent Missing SSNs³	7.1%	8.3%	10.3%	11.3%	9.6%	8.2%	8.6%

¹ Valid SSN in the CCCCCO MIS2

² Not a valid SSN or declines to state; college assigns a unique local identifier

³ $[\text{Local Identifiers} / (\text{SSNs} + \text{Local Identifiers})] * 100$

Table 2: Percent Missing SSN's for Credit Students by College

COLLEGE	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
ALAMEDA	2.8%	3.8%	4.8%	12.5%	4.7%	5.8%	6.5%
ALLAN HANCOCK	0.7%	1.5%	1.6%	1.8%	1.9%	1.6%	2.1%
AMERICAN RIVER	1.8%	2.2%	2.3%	2.2%	3.3%	4.0%	3.6%
ANTELOPE VALLEY	1.7%	2.1%	2.0%	1.6%	1.7%	1.7%	1.6%
BAKERSFIELD	2.2%	2.1%	2.3%	2.1%	1.9%	2.2%	2.9%
BARSTOW	0.6%	1.6%	2.8%	2.0%	2.7%	8.0%	4.3%
BERKELEY CITY	4.0%	3.8%	4.9%	11.0%	5.8%	6.2%	7.6%
BUTTE	2.7%	4.1%	3.6%	4.3%	6.4%	6.1%	4.3%
CABRILLO	2.4%	6.5%	5.1%	5.1%	4.0%	3.7%	4.0%
CANADA	26.4%	32.3%	33.3%	29.9%	21.5%	19.8%	19.0%
CANYONS	29.3%	19.1%	14.8%	13.0%	10.0%	7.2%	5.6%
CERRITOS	8.3%	8.5%	8.4%	7.5%	6.1%	5.3%	4.3%
CERRO COSO	1.1%	2.4%	1.2%	0.9%	1.3%	0.8%	0.9%
CHABOT	3.7%	4.7%	6.4%	6.3%	5.0%	4.8%	5.7%
CHAFFEY	4.8%	4.6%	5.5%	5.6%	4.8%	4.8%	5.3%
CITRUS	4.6%	5.1%	11.4%	18.5%	4.3%	5.1%	5.4%
COALINGA	5.0%	11.9%	8.8%	9.7%	8.8%	7.4%	13.2%
COASTLINE	4.1%	5.6%	9.0%	6.8%	5.5%	5.1%	4.4%
COLUMBIA	0.9%	0.8%	22.7%	43.3%	38.6%	7.9%	0.4%
COMPTON	23.4%	16.9%	8.0%	8.6%	5.4%	5.9%	5.1%
CONTRA COSTA	8.5%	8.8%	13.2%	14.3%	13.4%	13.2%	13.6%
COPPER MOUNTAIN	0.6%	0.4%	1.2%	0.2%	1.1%	0.7%	0.3%
COSUMNES RIVER	1.4%	1.5%	1.9%	1.8%	1.9%	1.8%	2.0%
CRAFTON HILLS	1.0%	1.3%	1.5%	1.6%	2.6%	1.6%	1.7%
CUESTA	3.6%	3.2%	3.3%	4.9%	3.8%	3.9%	4.6%
CUYAMACA	3.2%	5.3%	6.3%	10.7%	8.5%	6.7%	4.2%
CYPRESS	3.8%	4.6%	4.8%	4.7%	4.4%	4.3%	4.7%
DE ANZA	13.3%	11.3%	15.9%	11.6%	6.6%	9.8%	11.6%
DESERT	5.8%	6.1%	6.6%	5.5%	5.8%	7.2%	6.3%
DIABLO VALLEY	6.2%	7.3%	8.3%	8.0%	7.7%	8.7%	10.8%
EAST L.A.	44.9%	45.8%	44.2%	45.0%	41.5%	32.5%	27.6%
EL CAMINO	5.9%	6.5%	6.7%	6.5%	7.4%	7.4%	7.6%
EVERGREEN VALLEY	14.4%	16.1%	26.3%	27.8%	27.4%	18.6%	25.6%
FEATHER RIVER	7.2%	12.8%	16.9%	19.9%	24.5%	21.2%	8.4%
FOLSOM LAKE	3.3%	3.7%	3.2%	3.4%	2.6%	2.4%	2.3%
FOOTHILL	6.0%	7.2%	9.6%	11.9%	12.2%	11.4%	11.0%
FRESNO CITY	2.8%	4.0%	5.4%	4.6%	3.4%	3.5%	3.8%
FULLERTON	3.9%	5.0%	5.9%	6.0%	5.3%	5.3%	4.7%
GAVILAN	2.7%	12.1%	25.9%	24.0%	32.8%	42.7%	25.4%

Table 2: Percent Missing SSN's for Credit Students by College

COLLEGE	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
GLENDALE	6.8%	6.7%	7.4%	7.5%	7.3%	7.6%	8.6%
GOLDEN WEST	4.3%	4.6%	9.8%	7.5%	6.3%	5.7%	3.9%
GROSSMONT	5.7%	6.3%	7.4%	12.2%	5.5%	5.7%	5.8%
HARTNELL	6.3%	1.5%	0.3%	0.4%	0.5%	0.8%	0.7%
IMPERIAL VALLEY	1.3%	1.8%	1.5%	1.7%	1.2%	1.4%	0.8%
IRVINE VALLEY	10.9%	11.8%	11.3%	11.3%	8.6%	8.0%	8.0%
L.A. CITY	11.3%	22.0%	30.2%	25.7%	20.1%	17.0%	17.9%
L.A. HARBOR	8.0%	17.2%	21.2%	18.0%	12.6%	8.3%	8.6%
L.A. I.T.V.	6.4%	9.6%	12.9%	14.7%	12.3%	9.0%	8.4%
L.A. MISSION	7.5%	22.0%	37.0%	34.2%	26.5%	21.9%	17.5%
L.A. PIERCE	10.8%	15.9%	21.9%	17.3%	10.6%	10.1%	9.7%
L.A. TRADE-TECH	12.1%	21.6%	35.9%	29.0%	16.8%	12.7%	12.4%
L.A. VALLEY	8.3%	16.0%	23.6%	22.1%	14.7%	14.9%	11.7%
LAKE TAHOE	2.8%	2.7%	22.4%	5.2%	4.3%	3.8%	38.3%
LANEY	3.4%	4.8%	6.4%	13.9%	6.6%	6.6%	8.0%
LAS POSITAS	3.3%	5.8%	5.6%	5.6%	5.9%	5.0%	5.9%
LASSEN	2.0%	2.7%	5.4%	6.2%	5.7%	12.9%	17.4%
LEMOORE		2.9%	3.6%	3.9%	2.8%	2.3%	3.1%
LONG BEACH CITY	3.7%	3.7%	3.3%	2.8%	2.6%	10.8%	5.9%
LOS MEDANOS	4.8%	5.7%	6.7%	5.8%	5.0%	5.7%	7.2%
MARIN	8.4%	8.3%	9.8%	17.7%	11.0%	9.0%	9.1%
MENDOCINO	2.3%	4.2%	4.1%	4.4%	8.0%	6.6%	9.7%
MERCED	5.4%	6.9%	11.3%	8.7%	7.1%	6.3%	4.9%
MERRITT	2.4%	3.8%	4.5%	12.7%	7.2%	4.5%	4.1%
MIRA COSTA	6.1%	6.0%	6.5%	6.3%	3.2%	3.7%	3.5%
MISSION	5.4%	6.6%	7.3%	6.5%	6.2%	7.7%	7.0%
MODESTO	1.6%	1.5%	1.4%	1.6%	1.4%	2.1%	2.0%
MONTEREY	5.3%	11.4%	8.2%	21.7%	17.7%	15.7%	31.0%
MOORPARK	2.4%	3.9%	4.4%	4.9%	3.3%	3.3%	3.2%
MORENO VALLEY						3.2%	4.7%
MT. SAN ANTONIO	6.7%	7.6%	8.2%	7.5%	16.1%	6.3%	5.5%
MT. SAN JACINTO	3.5%	3.4%	4.6%	4.2%	2.4%	2.9%	2.0%
NAPA VALLEY	6.7%	6.9%	7.4%	6.3%	4.2%	3.4%	4.4%
NORCO						2.5%	1.7%
OHLONE	7.6%	12.8%	12.8%	15.3%	15.3%	22.3%	20.0%
ORANGE COAST	4.9%	6.3%	14.5%	9.7%	7.7%	7.3%	6.3%
OXNARD	2.7%	3.4%	5.9%	6.3%	6.2%	3.9%	3.2%
PALO VERDE	17.5%	16.7%	20.1%	16.3%	19.3%	28.2%	24.1%
PALOMAR	3.3%	3.5%	3.2%	3.4%	3.7%	3.4%	3.2%
PASADENA CITY	8.7%	8.6%	9.1%	8.2%	7.4%	7.4%	9.4%

Table 2: Percent Missing SSN's for Credit Students by College

COLLEGE	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12
PORTERVILLE	1.2%	1.6%	1.4%	1.5%	1.3%	0.9%	2.0%
REDWOODS	1.4%	3.2%	4.6%	5.8%	2.3%	3.3%	2.7%
REEDLEY	2.7%	3.4%	4.3%	2.7%	4.9%	3.2%	3.8%
RIO HONDO	15.8%	36.7%	32.4%	43.0%	45.8%	17.8%	11.2%
RIVERSIDE	3.8%	4.2%	5.2%	5.6%	5.5%	4.3%	6.1%
SACRAMENTO CITY	2.4%	2.6%	2.9%	2.8%	2.7%	2.6%	3.1%
SADDLEBACK	9.2%	9.3%	7.5%	8.4%	5.9%	5.5%	5.3%
SAN BERNARDINO	1.0%	1.8%	1.3%	1.0%	1.7%	2.8%	3.1%
SAN DIEGO CITY	7.1%	5.7%	5.1%	5.8%	6.6%	6.2%	7.2%
SAN DIEGO MESA	12.0%	9.0%	9.5%	10.4%	9.5%	9.9%	10.7%
SAN DIEGO MIRAMAR	9.8%	6.4%	6.3%	6.3%	7.6%	7.3%	6.2%
SAN FRANCISCO CITY	5.7%	6.5%	7.2%	8.6%	8.2%	8.8%	10.0%
SAN JOAQUIN DELTA	1.5%	1.7%	1.7%	2.1%	2.1%	2.4%	2.3%
SAN JOSE CITY	3.9%	6.0%	8.7%	10.0%	10.8%	9.8%	5.6%
SAN MATEO	6.9%	11.8%	16.3%	18.4%	10.2%	13.1%	10.4%
SANTA ANA	9.0%	10.5%	13.2%	41.0%	24.3%	22.7%	27.8%
SANTA BARBARA CITY	6.3%	9.1%	13.2%	13.2%	14.3%	16.6%	16.8%
SANTA MONICA CITY	10.7%	11.3%	10.5%	9.0%	9.6%	11.1%	12.7%
SANTA ROSA	3.6%	4.7%	6.7%	4.7%	4.9%	4.6%	5.0%
SANTIAGO CANYON	6.0%	3.8%	3.5%	4.9%	5.4%	2.7%	2.9%
SEQUOIAS	3.4%	4.8%	5.4%	6.3%	4.3%	4.1%	4.2%
SHASTA	1.3%	1.9%	3.9%	3.7%	3.0%	3.1%	2.9%
SIERRA	1.8%	3.4%	3.7%	3.2%	2.9%	2.8%	2.7%
SISKIYOU	19.0%	20.9%	16.4%	14.5%	14.9%	16.3%	4.8%
SKYLINE	3.5%	6.8%	9.0%	9.5%	6.1%	5.8%	7.8%
SOLANO	1.2%	1.3%	1.1%	4.1%	2.3%	2.4%	3.3%
SOUTHWEST L.A.	2.9%	9.5%	17.4%	22.3%	20.8%	20.3%	23.4%
SOUTHWESTERN	5.1%	5.8%	5.5%	4.1%	5.3%	4.0%	4.5%
TAFT	1.7%	1.9%	2.4%	3.7%	2.9%	2.2%	6.3%
VENTURA	2.9%	3.4%	4.4%	4.8%	3.7%	3.5%	4.0%
VICTOR VALLEY	2.3%	3.6%	10.1%	5.7%	4.8%	3.4%	2.3%
WEST L.A.	5.7%	18.1%	22.1%	24.5%	20.4%	14.8%	12.5%
WEST VALLEY	3.7%	9.0%	21.8%	17.5%	13.4%	7.8%	11.9%
WOODLAND				2.7%	3.9%	5.0%	3.3%
YUBA	2.2%	2.5%	2.9%	3.0%	2.1%	1.5%	1.4%