

2012

California Adolescent Sexual and Reproductive
Health County Profiles

Technical Documentation

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Prepared by the Epidemiology, Assessment
and Program Development Branch of the
California Department of Public Health
Maternal, Child, and Adolescent Health
Division.

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Introduction

This document describes the methods and data sources used to obtain the indicators presented in the California Department of Public Health, Maternal, Child, and Adolescent Health Division (CDPH/MCAH) *2012 California Adolescent Sexual and Reproductive Health County Profiles*. Profiles were created for each of the 58 counties in California. These reports are designed for program planners to provide insight into the health and environment (community, home, and school) of California adolescents. It is our hope that these data will be used to inform local program targeting, community needs assessments, and policy decisions.

The county specific profiles are available here:

<http://www.cdph.ca.gov/data/statistics/Pages/CountyHealthProfiles.aspx>

These reports were prepared by the Epidemiology, Assessment and Program Development Branch of the California Department of Public Health Maternal, Child, and Adolescent Health Division.

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Description of Indicators

Indicators for the county profiles were chosen to reflect common measures of adolescent sexual health (e.g., adolescent birth rate and STD rates) as well as the broader context related to social determinants of health (e.g., childhood poverty, high-school dropout rates) and social disparities (e.g., race and ethnicity). Each county profile contains overall California data and county specific data for each indicator.

Table 1: Data sources and description of indicators

Indicator	Description	Data Source	Stratification	Year(s)
Total Population ¹	Total population.	State of California, Department of Finance	County, State	2012
Aged 10-14 ¹	Total population of youth aged 10 through 14.	State of California, Department of Finance	County, State	2012
Aged 15-17 ¹	Total population of youth aged 15 through 17.	State of California, Department of Finance	County, State	2012
Aged 18-19 ¹	Total population of youth aged 18 and 19.	State of California, Department of Finance	County, State	2012
Uninsured ²	Estimated number of population with no health insurance.	Selected Economic Characteristics, American Community Survey	County, State	2008-2012
Public Health Insurance ²	Estimated number of population with public health insurance.	Selected Economic Characteristics, American Community Survey	County, State	2008-2012
Single Head-of-Household ²	Estimated number of households with male/female householder, no wife/husband present.	Selected Economic Characteristics, American Community Survey	County, State	2008-2012
Total Concentrated Poverty ²	Total number of people living in census tracts with a poverty rate \geq 20 percent.	Poverty Status in the Past 12 Months, American Community Survey	County, State	2008-2012
Youth Concentrated Poverty ²	Total number of individuals under 18 living in census tracts with a poverty rate \geq 20 percent.	Poverty Status in the Past 12 Months, American Community Survey	County, State	2008-2012
Unemployment Rate ²	Estimated percent of population that is unemployed.	Selected Economic Characteristics, American Community Survey	County, State	2008-2012
Rural MSSAs ³	Number of Medical Service Study Areas (MSSAs) classified as "rural" or "frontier."	State of California, Office of Statewide Health Planning and Development	County, State	2010
Adolescent Population ¹	Total population of youth aged 10 through 19.	State of California, Department of Finance	County, State	2012
Hispanic ¹	Total population of Hispanic youth aged 10 through 19.	State of California, Department of Finance	County, State	2012

Indicator	Description	Data Source	Stratification	Year(s)
African American ¹	Total population of African American youth aged 10 through 19.	State of California, Department of Finance	County, State	2012
Asian ¹	Total population of Asian youth aged 10 through 19.	State of California, Department of Finance	County, State	2012
White ¹	Total population of White youth aged 10 through 19.	State of California, Department of Finance	County, State	2012
Male ¹	Total population of Male youth aged 10 through 19.	State of California, Department of Finance	County, State	2012
Female ¹	Total population of Female youth aged 10 through 19.	State of California, Department of Finance	County, State	2012
Living in Foster Care ⁴	The number of adolescents aged 0-17 living in foster care as of July 1st, 2012	University of California at Berkeley, California Child Welfare Indicators Project	County, State	2012
Family PACT Providers ⁵	Number of enrolled Clinical Providers in county delivering Family PACT services.	Bixby Center for Global Reproductive Health, University of California San Francisco	County, State	2012
Adolescent Family PACT Clients ⁵	Number of adolescents served by Family PACT.	Bixby Center for Global Reproductive Health, University of California San Francisco	County, State	2012
High School Dropout Rate ⁶	4-year adjusted cohort high school dropout rate.	California Department of Education	County, State	2012
Adolescent Birth Rate ^{1,7}	Rate per 1,000 females aged 15-19. Calculated by number of adolescent births/female adolescent population.	Births: Birth Statistical Master File, California Department of Public Health, Center for Health Statistics and Informatics Population: State of California, Department of Finance	County, State, Race, Hispanic Ethnicity,	2002-2012
Percent of Repeat Adolescent Births ⁷	Percent of births to females aged 15 – 19 with 1-7 previous live births.	Birth Statistical Master File, California Department of Public Health, Center for Health Statistics and Informatics	County, State, Race, Hispanic Ethnicity	2012
Chlamydia Rate ⁸	Rate per 100,000 adolescents aged 15-19	California Department of Public Health, Sexually Transmitted Diseases Control Branch	County, State, Race, Hispanic Ethnicity, Gender	2012

Indicator	Description	Data Source	Stratification	Year(s)
Gonorrhea Rate ⁸	Rate per 100,000 adolescents aged 15-19	California Department of Public Health, Sexually Transmitted Diseases Control Branch	County, State, Race, Hispanic Ethnicity, Gender	2012
Juvenile Arrest Rate ^{1,9}	Arrest rate per 100,000 population aged 10-19	Arrests: State of California, Department of Justice Population: State of California, Department of Finance	County, State, Race, Hispanic Ethnicity, Gender	2012
Having Caring Adult in Community ¹⁰	Percent of 9th graders reporting high agreement that they have a caring adult in the community.	WestEd Health and Human Development Department for California Department of Education	County, State, Race, Hispanic Ethnicity	2009-2011
Depression-related Feelings ¹⁰	Percent of 9th graders responding yes to the question “During the past 12 months, did you ever feel so sad or hopeless almost every day for two weeks or more that you stopped doing some usual activities?”.	WestEd Health and Human Development Department for California Department of Education	County, State, Gender	2009-2011
Experience Dating Violence in Past Year ¹⁰	Percent 9th graders with a boyfriend or girlfriend who reported having “been hit, slapped, or physically hurt on purpose by your boyfriend or girlfriend?” in the past 12 months	WestEd Health and Human Development Department for California Department of Education	County, State, Gender	2009-2011

Ranking Indicators

Each indicator was ranked across all counties; these county rankings were determined by assigning rank of one to the largest value among counties and rank of 58 to smallest value. If two or more values of an indicator are equal (tied), then they are assigned the same rank value. The next assigned rank is equal to the *tied rank value + n*, where n is the number of tied counties.

For example, if three counties have the same value for Dating Violence and that value falls 5th among all counties, those three counties will all received a rank of 5 in their county profile and the county with the next highest indicator value will receive a rank of 8.

Additional Indicators:

Additional adolescent birth and population data are presented in a graph and text box on the second page of each county profile. The data presented in these text boxes were chosen to highlight county specific data and how it compares to the state overall. Note, however, that indicators presented within the text box slightly differ from one county to another.

Table 2: Additional indicators presented

Data	Stratification	Year	Comparison
2002 – 2012 individual year adolescent birth rate ^{1,7}	Age groups: 15 -17; 18-19; 15-19	2002-2012	State adolescent birth rate, aged 15 - 19
County number of births ⁷	N/A	2012	N/A
County percent of total state births for adolescents aged 15-19 ^{1,7}	N/A	2012	N/A
County percent of CA females aged 15 – 19 ¹	N/A	2012	N/A
County change in adolescent birth rate 2002 – 2012 ^{1,7}	N/A	2002 to 2012	State change in adolescent birth rate
County percent of births by age ⁷	Age groups: 18-19	2012	State average
Percent of adolescent births by race/Hispanic ethnicity within county ⁷	Race/Hispanic ethnicity	2012	State average
Percent of adolescent births by foreign-born status within county ⁷	N/A	2012	State average
Percent of adolescent births occurring in areas of concentrated poverty within county ^{2,7}	N/A	2012	State average

Data Availability

Data not available:

There are some counties where data was not available. The ‘--’ symbol represents data that was not available for a particular indicator or population breakout.

Arrest rate:

The California arrests data file only provides arrests for the following race/ethnicities: Black, White, Hispanic, and Other.

Caring Adult/Depression/Dating Violence:

These three indicators are from the California Healthy Kids Survey (CHKS), data was pulled from the most recent Secondary Main (high school) County Level reports available. The indicator *Having a caring adult in community* was only presented by race/ethnicity, gender-specific data was not available; the indicators *depression-related feelings* and *dating violence* were only available by gender, race/ethnicity-specific data was not available. County level reports were not available for the most recent survey years for Alpine, Amador, Lassen, and Sierra County. More information about the CHKS survey methodology is available on their website: <http://chks.wested.org/>

Data Suppression and Reliability

The 's' letter represents data that has been suppressed. The data presented in the county profiles come from many sources and the guidelines for data suppression varies across original data source. Refer to the original source for more information. CDPH/MCAH suppressed the following original data presented here:

Adolescent Birth Rates (ABR):

Rates are suppressed if the denominator is less than 50 and the numerator is between 1-5.

Percentage Repeat Birth (PRB):

Percentages are suppressed if the denominator is less than 20 and the numerator is between 1-5.

Additional birth data (outlined on page 5) is not presented for counties with 20 births or fewer.

Relative Standard Errors (RSE) were calculated for Adolescent Birth Rates (ages 15-19, 15-17, and 18-19) and Percent Repeat Births. While the number of births reported for an area represent complete counts of such events and are not subject to sampling error, they may be subject to non-sampling error in the registration process (e.g., inadequate training of the birth clerk). Relative standard error (RSE) is a tool to measure the variability of the estimate compared with the magnitude of the estimate. Rates and percentages with an RSE of 30% or higher are denoted with the '*' symbol. Use caution in interpreting data with an RSE of 30% or higher as these estimates are unstable due to small counts of birth or population.

References

1. Population data; State of California, Department of Finance, Report P-3: State and County Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060. Sacramento, California, January 2013. <http://www.dof.ca.gov/research/demographic/reports/projections/P-3/>
2. U.S. Census Bureau, American Community Survey (5-year estimates) retrieved from <http://factfinder2.census.gov/>
3. Office of Statewide Health Planning & Development, Medical Study Service Areas; <http://www.oshpd.ca.gov/hwdd/MSSA/>
4. University of California at Berkeley, California Child Welfare Indicators Project (CCWIP); http://cssr.berkeley.edu/ucb_childwelfare/PIT.aspx
5. Family Pact: 2011-2012, Bixby Center for Global Reproductive Health University of California San Francisco, Family PACT Program Report. Sacramento, CA. 2013; http://bixbycenter.ucsf.edu/publications/files/Family%20PACT%20AR_2011-12.pdf
6. High School Cohort Drop Out Rate: 2011-2012. California Department of Education, retrieved from: <http://dq.cde.ca.gov/dataquest/>
7. Birth Statistical Master File, California Department of Public Health, Center for Health Statistics and Informatics; <http://www.cdph.ca.gov/programs/HISP/Pages/default.aspx>
8. California Department of Public Health, STD Control Branch, rates by race, age and jurisdiction; <http://www.cdph.ca.gov/data/statistics/Pages/STDLHJData.aspx>
9. California Department of Justice, Office of the Attorney General, California Arrests Data File; <http://oag.ca.gov/crime/cjsc/stats/arrests>
10. WestEd Health and Human Development Department for California Department of Education, retrieved from: <http://chks.wested.org/reports>