California HEALTH CARE ALMANAC





Californians with the Top Chronic Conditions: 11 Million and Counting

APRIL 2015

Introduction

Chronic conditions are the leading cause of death and disability in the US, as well as the biggest contributor to health care costs. But there is wide variation in their incidence, with major differences depending on age, income, race and ethnicity, and insurance status. In addition, many Californians with chronic conditions are delaying needed care because of cost.

Californians with the Top Chronic Conditions: 11 Million and Counting looks at five major chronic conditions — asthma, diabetes, heart disease, high blood pressure, and serious psychological distress — and how each of these affects Californians.

KEY FINDINGS INCLUDE:

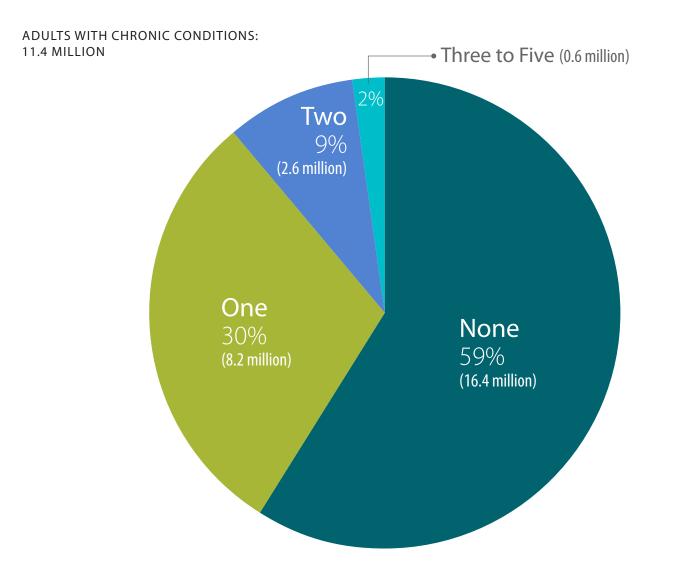
- About 40% of California adults reported having at least one of the five chronic conditions studied.
- High blood pressure is the most common chronic condition among Californians, affecting about one in four, or 7.6 million, adults in California.
- As household income rises, the prevalence of chronic conditions falls. Adults living under 138% of the federal poverty level were more likely to have two or more chronic conditions (14%) than those in the highest income group, 400%+ of the federal poverty level (8%).
- Many people with chronic conditions delay getting needed care. Of Californians with serious
 psychological distress, 34% delayed needed medical care, and 27% delayed filling prescriptions.
 Cost or lack of insurance was frequently cited as the reason for these delays.
- The prevalence of chronic conditions increases with age. Of Californians age 65 or older, 70% have at least one chronic condition, compared to 26% of those age 18 to 39.
- The proportion of California adults with chronic conditions varied by region. About 45% of adults in the Inland Empire, San Joaquin Valley, and Northern and Sierra Counties had at least one chronic condition, compared to 36% of adults in Orange County.

Chronic Conditions for Adults

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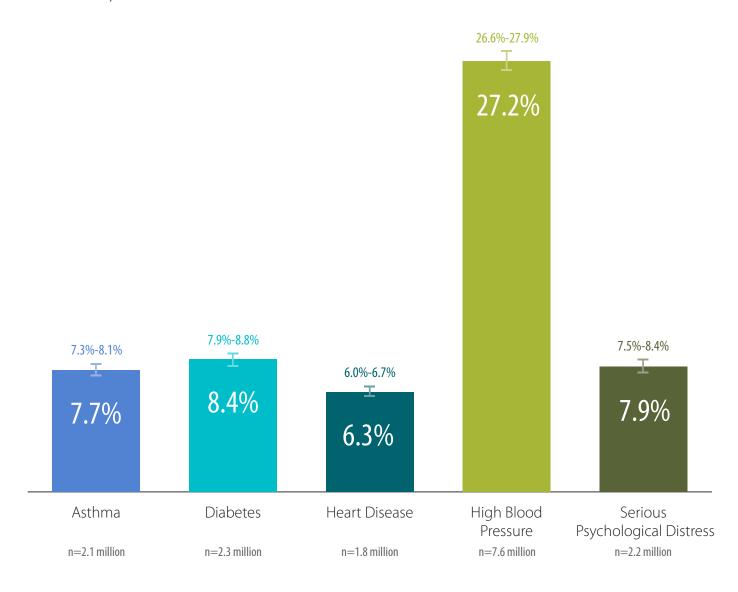
Number of Chronic Conditions Among Adults California, 2011 to 2012



Notes: Adults are age 18 and older. Chronic conditions include asthma, diabetes, heart disease, high blood pressure, and serious psychological distress. See definitions on page 44. Source: UCLA, California Health Interview Survey (CHIS), 2011-2012. **Chronic Conditions for Adults** Overview

About 40% of California adults — over 11 million people reported having one or more chronic condition, and about 3 million adults reported having two or more.

Prevalence of Chronic Conditions Among Adults California, 2011 to 2012



Chronic Conditions for Adults Overview

About one in four, or 7.6 million, California adults had high blood pressure. Though fewer than 1 in 10 adults reported having either current asthma (8%), diabetes (8%), heart disease (6%), or serious psychological distress (8%), these percentages represent millions of Californians.

Notes: Adults are age 18 and older. Confidence intervals are shown as vertical lines. See definitions on page 44. Source: UCLA, California Health Interview Survey (CHIS), 2011-2012.

Chronic Conditions Among Adults, by Region California, 2011 to 2012

	Total Adult Population	Number /	NONE Percentage	ONE Number / Percentage		TW0 Number / Percentage		THREE TO FIVE Number / Percentage	
California	27,796,000	16,447,000	59.2 %	8,187,000	29.5%	2,560,000	9.2%	603,000	2.2%
Northern and Sierra	1,064,000	584,300	54.9%	323,500	30.4%	121,000	11.3%	35,000	3.3%
Greater Bay Area	5,543,000	3,322,900	60.0%	1,644,200	29.7%	466,000	8.4%	110,000	2.0%
Sacramento Area	1,620,000	951,000	58.7%	469,400	29.0%	168,000	10.4%	31,000	1.9%
San Joaquin Valley	2,740,000	1,481,400	54.1%	56,400	31.3%	320,000	11.7%	83,000	3.0%
Central Coast	1,658,000	1,018,400	61.4%	477,000	28.7%	138,000	8.4%	25,000	1.5%
Los Angeles County	7,402,000	4,469,400	60.4%	2,106,000	28.5%	666,000	9.0%	160,000	2.2%
Orange County	2,305,000	1,473,700	64.0%	615,000	26.7%	182,000	7.9%	33,000	1.5%
Inland Empire	3,030,000	1,663,000	54.9%	970,000	32.0%	315,000	10.4%	83,000	2.7%
San Diego Area	2,435,000	1,482,700	60.9%	725,000	29.8%	184,000	7.6%	43,000	1.8%

NUMBER OF CHRONIC CONDITIONS

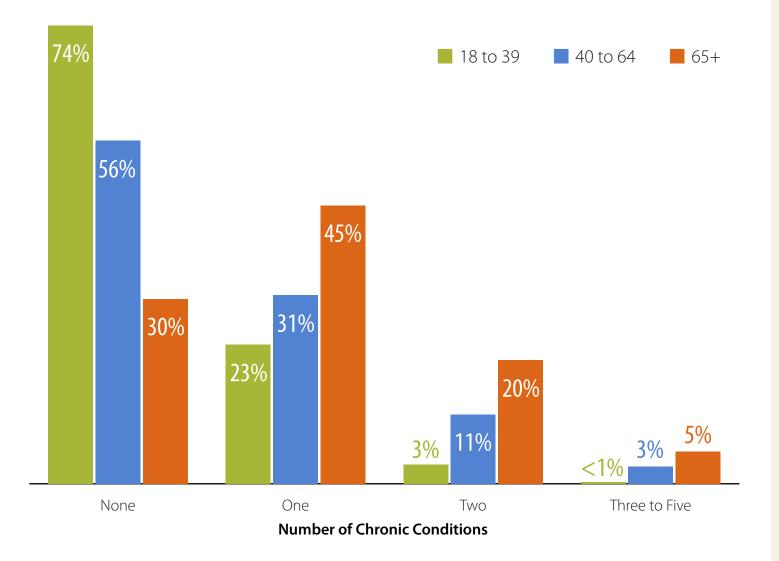
Chronic Conditions for Adults Multiple Chronic Conditions

The proportion of California adults with chronic conditions varied by region. About 45% of adults in the Inland Empire, San Joaquin Valley, and Northern and Sierra Counties had at least one chronic condition, compared to 36% of adults in Orange County.

Notes: Adults are age 18 and older. Chronic conditions include asthma, diabetes, heart disease, high blood pressure, and serious psychological distress. See definitions on page 44. See Appendix A for a list of counties included in each region. See Appendix B for detail by county.

Chronic Conditions Among Adults, by Age

California, 2011 to 2012

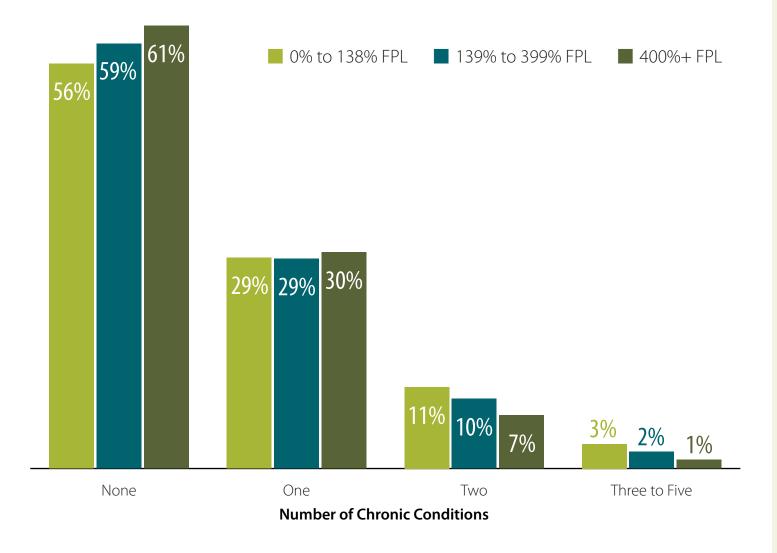


Chronic Conditions for Adults Multiple Chronic Conditions

Among California adults, the prevalence of chronic conditions increased with age. Seventy percent of adults age 65 or older reported having at least one chronic condition, compared to 26% of those age 18 to 39 and 45% of those age 40 to 64. In addition, 25% of Californians age 65 and older had multiple chronic conditions

Notes: Adults are age 18 and older. Chronic conditions include asthma, diabetes, heart disease, high blood pressure, and serious psychological distress. See definitions on page 44. Source: UCLA, California Health Interview Survey (CHIS), 2011-2012.

Chronic Conditions Among Adults, by Federal Poverty Level California, 2011 to 2012



Notes: Adults are age 18 and older. Chronic conditions include asthma, diabetes, heart disease, high blood pressure, and serious psychological distress. See definitions on page 44. Federal Poverty Level (FPL) categories are based on eligibility for Medicaid and subsidies under the Affordable Care Act in California. Individuals and families earning at or less than 138% FPL are eligible for Medicaid, and those earning between 139% and 399% FPL are eligible for subsidies. The FPL was \$10,890 for individuals and \$22,350 for a family of four. Source: UCLA, California Health Interview Survey (CHIS), 2011-2012. **Chronic Conditions for Adults** Multiple Chronic Conditions

Household income is one social determinant of health. Adults living under 138% of the federal poverty level (FPL) were more likely to have two or more chronic conditions compared to those in the highest income group (400%+ FPL).

Chronic Conditions Among Adults, by Race/Ethnicity California, 2011 to 2012

	Number of None	Number of Chronic Conditions None One Two Three to Five					
African American							
4	5%		37%	15%	4%		
American Indian / Alaska Native							
32%		39%		22% <mark>8</mark> 9	%*		
Asian							
		68%		25% 6	% -1%		
Latino							
	(63%	26	% 9%	, <u> </u>		
White							
	56%		32	% 9%	,		
Other							
	58%		30%	6 10%	,		

*Estimate is statistically unstable.

Notes: Adults are age 18 and older. *Other* includes those who reported being Native Hawaiian / Pacific Islander and those who reported being of two or more races. Chronic conditions include asthma, diabetes, heart disease, high blood pressure, and serious psychological distress. See definitions on page 44. Segments may not add to 100% due to rounding. Source: UCLA, California Health Interview Survey (CHIS), 2011-2012.

Chronic Conditions for Adults Multiple Chronic Conditions

The prevalence of chronic conditions varied among racial and ethnic groups. Two-thirds of Asians had no chronic conditions compared to nearly one-third of American Indian / Alaskan Natives.

Chronic Conditions Among Adults, by Insurance Type California, 2011 to 2012

	Number of Chronic Conditions None One Two Three to Five						
Medicare			- 100				
29%		44	%	219	6% <mark>6</mark> %		
Medi-Cal / Other Public							
	56%		2	9% 1 1	% <mark>4%</mark>		
Private							
		67%		27%	6%	- 1%	
Uninsured							
		69%		25%	6%	- 1%	
CA Overall							
	59%			30%	9%	- 2%	

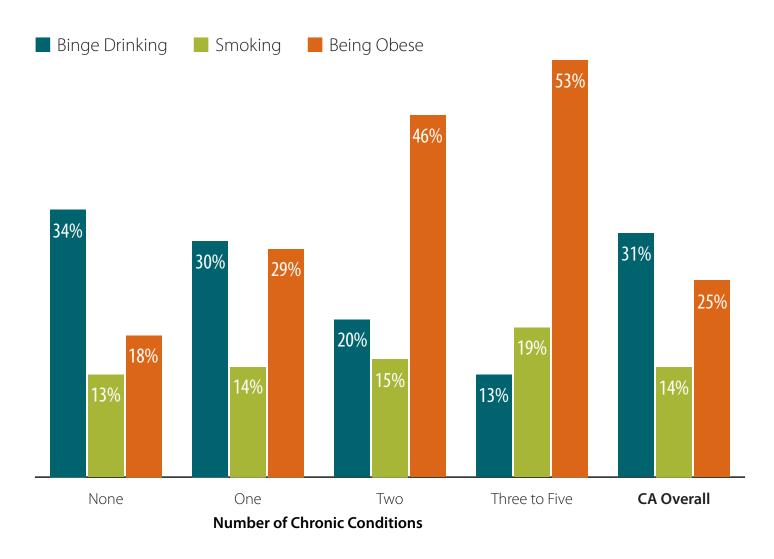
Notes: Adults are age 18 and older. *Medicare* includes those covered by Medicare only, Medicare and Medi-Cal (Medi-Medi), and Medicare plus other secondary insurance. *Medi-Cal / Other Public* includes those who are covered primarily through Medi-Cal or other government-funded programs, such as Healthy Families and the Children's Health Insurance Program (CHIP). Chronic conditions include asthma, diabetes, heart disease, hypertension, and serious psychological distress. See definitions on page 44. Segments may not add to 100% due to rounding.

Source: UCLA, California Health Interview Survey (CHIS), 2011-2012.

Chronic Conditions for Adults Multiple Chronic Conditions

Adults on public insurance plans were more likely to have one or more chronic condition compared to those on private plans or the uninsured. Seventy-one percent of adults on Medicare, the primary insurance of the elderly, and 44% of adults on Medi-Cal / other public insurance had at least one chronic condition.

Risk Factors Among Adults with Chronic Conditions California, 2011 to 2012

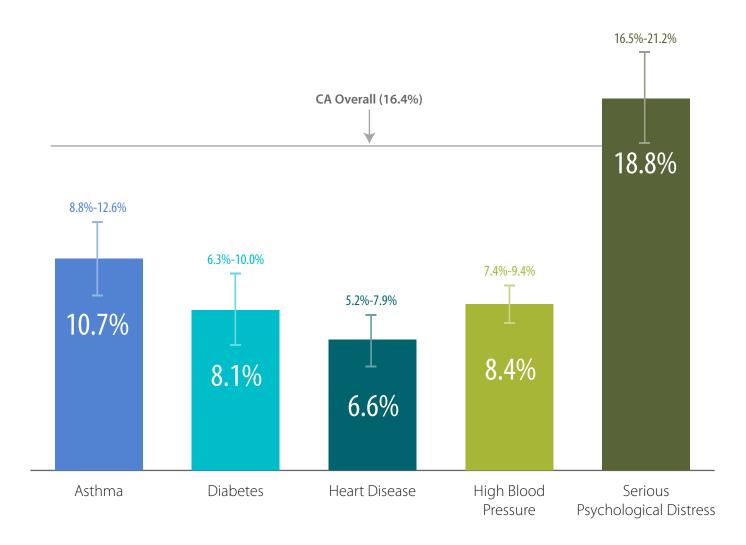


Chronic Conditions for Adults Multiple Chronic Conditions

Smoking, being obese, and binge drinking can cause or exacerbate certain chronic conditions. The prevalence of smoking and obesity increased with the number of chronic conditions. Binge drinking, in contrast, was more common in those without chronic conditions.

Notes: Adults are age 18 and older. Chronic conditions include asthma, diabetes, heart disease, high blood pressure, and serious psychological distress. See definitions on page 44. Source: UCLA, California Health Interview Survey (CHIS), 2011-2012.

No Usual Source of Care, by Chronic Condition Adults, California, 2011 to 2012

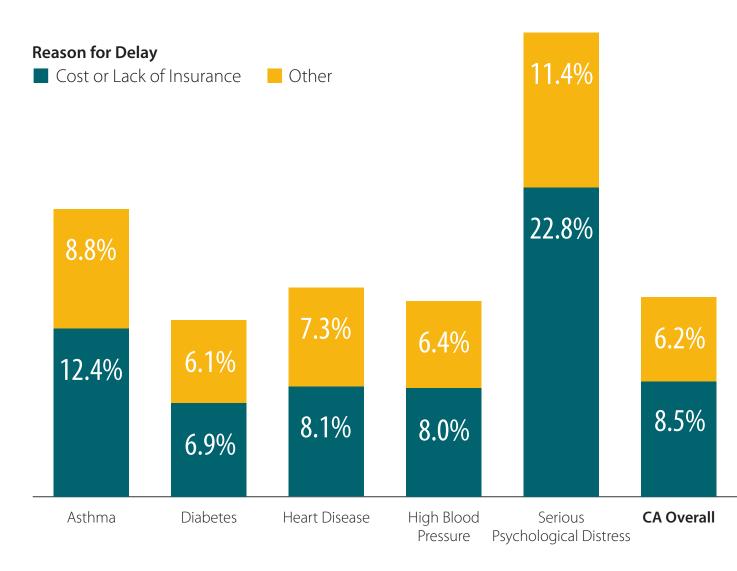


Chronic Conditions for Adults Access to Care

People who have chronic conditions usually require regular medical services; however, many of them do not have a usual source of medical care. Nearly 1 in 5 adults who had serious psychological distress (19%) and 1 in 10 adults with asthma (11%) had no usual source of care.

Notes: Adults are age 18 and older. Multiple yes/no questions about usual source of care were combined to create this variable. Confidence intervals are shown as vertical lines. See definitions on page 44.

Delayed Medical Care, by Chronic Condition Adults, California, 2011 to 2012



Chronic Conditions for Adults Access to Care

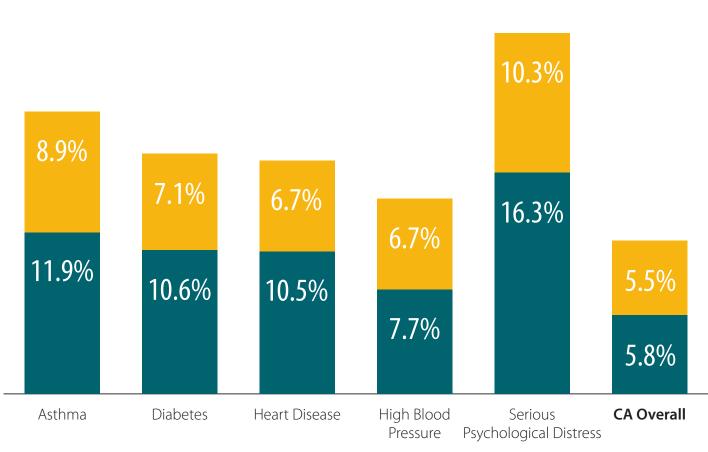
Delaying needed medical care can pose serious health consequences, especially for those with chronic medical conditions. California adults with serious psychological distress were more likely to report that they delayed getting needed medical care in the previous year than those with other chronic conditions. Cost or lack of insurance was frequently cited as the reason for the delay.

Notes: Adults are age 18 and older. *Delayed Medical Care* is defined as reporting delaying or not getting needed medical care during the past 12 months. For those who experienced the delay, CHIS asked whether cost or lack of insurance was a reason for delaying or not getting needed medical care. See definitions on page 44. Source: UCLA, California Health Interview Survey (CHIS), 2011-2012.

Delayed Filling Prescription, by Chronic Condition Adults, California, 2011 to 2012

Reason for Delay

Cost or Lack of Insurance Other

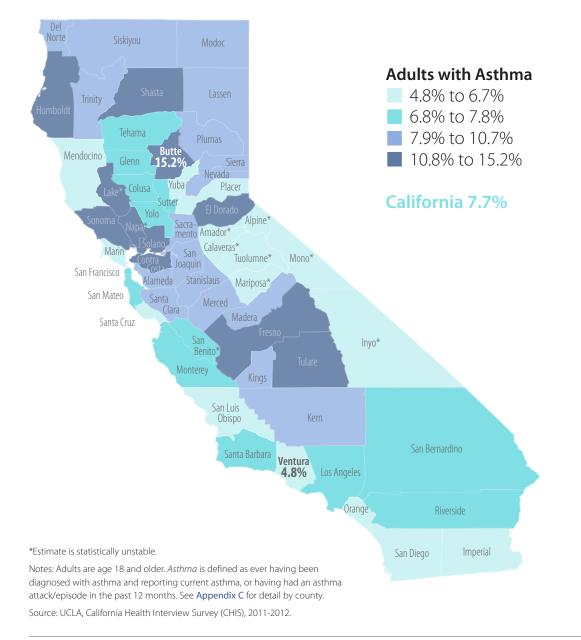


Chronic Conditions for Adults Access to Care

Taking prescription drugs on time is crucial for people with chronic conditions. About one in four California adults with serious psychological distress and nearly one in five adults with asthma, diabetes, or heart disease reported delays in getting prescribed medications in the previous year. More than half of those who delayed filling prescriptions said they did so due to cost or lack of insurance.

Notes: Adults are age 18 and older. *Delayed Filling Prescription* is defined as reporting delaying or not getting a medicine prescribed by a doctor during the past 12 months. For those who experienced the delay, CHIS asked whether cost or lack of insurance was a reason for delaying or not filling prescription. See definitions on page 44. Source: UCLA, California Health Interview Survey (CHIS), 2011-2012.

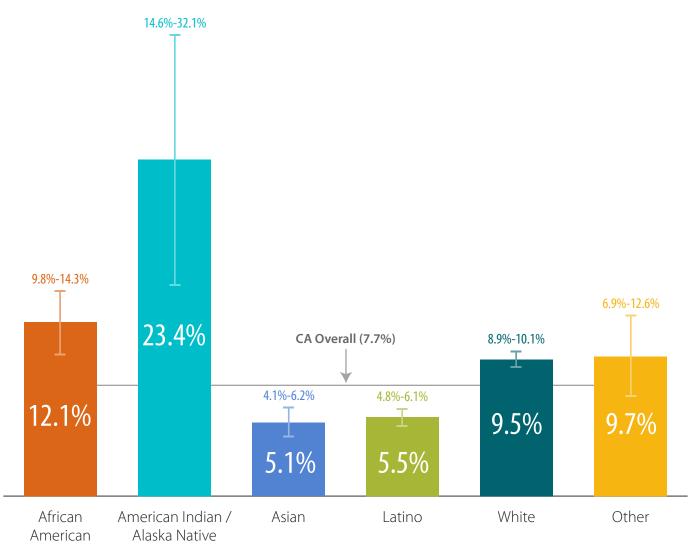
Asthma Among Adults, by County California, 2011 to 2012



Chronic Conditions for Adults Asthma

An estimated 2.1 million (8%) Californians age 18 and older reported having asthma during the past year. Asthma prevalence varied among counties, ranging from a low of 5% in Ventura County to a high of 15% in Butte County.

Asthma Among Adults, by Race/Ethnicity California, 2011 to 2012

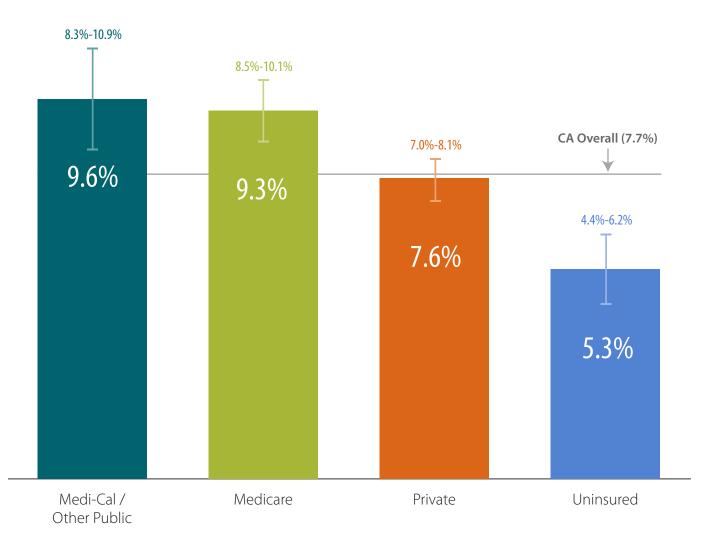


Chronic Conditions for Adults Asthma

Among Californians age 18 and older, approximately 8% reported having asthma during the past year. The burden of asthma varied significantly by race/ethnicity. The prevalence of current asthma among American Indians / Alaska Natives was three times greater than the state average, while the prevalence among African Americans was 1.5 times greater than the state average.

Notes: Adults are age 18 and older. Asthma is defined as ever having been diagnosed with asthma and reporting current asthma, or having had an asthma attack/episode in the past 12 months. Other includes those who reported being Native Hawaiian / Pacific Islander and those who reported being of two or more races. Confidence intervals are shown as vertical lines.

Asthma Among Adults, by Insurance Type California, 2011 to 2012



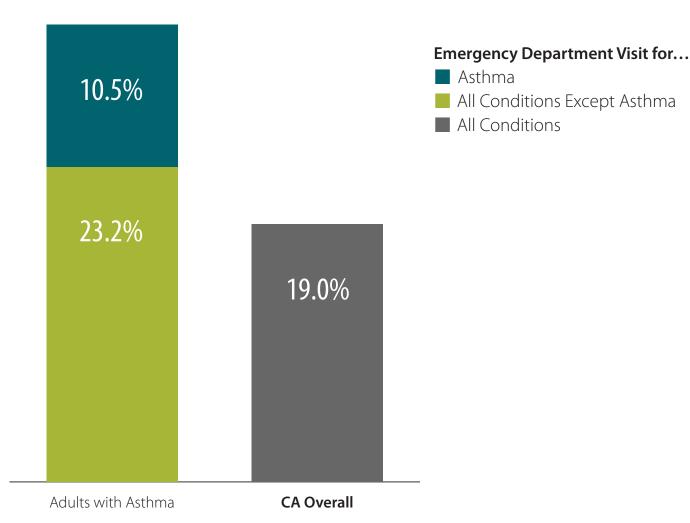
Notes: Adults are age 18 and older. Asthma is defined as ever having been diagnosed with asthma and reporting current asthma, or having had an asthma attack/episode in the past 12 months. Medi-Cal / Other Public includes those who are covered primarily through Medi-Cal or other government-funded programs, such as Healthy Families and Children's Health Insurance Program (CHIP). Medicare includes those covered by Medicare only, Medicare and Medi-Cal (Medi-Medi), and Medicare plus other secondary insurance. Confidence intervals are shown as vertical lines.

Source: UCLA, California Health Interview Survey (CHIS), 2011-2012.

Chronic Conditions for Adults Asthma

The prevalence of current asthma was highest among those insured through Medi-Cal / other public insurance (10%) and those insured by Medicare (9%), and lowest among the uninsured (5%).

Emergency Department Visits Among Adults with Asthma California, 2011 to 2012



Notes: Adults are age 18 and older. *Asthma* is defined as ever having been diagnosed with asthma and reporting current asthma, or having had an asthma attack/episode in the past 12 months. Adults with asthma were asked if, during the past 12 months, they had to visit a hospital emergency room because of their asthma; those who answered no were asked if they had visited the emergency room for their own health. *CA Overall* is based on the general question, which asked whether respondents visited the emergency room within the past year for their own health.

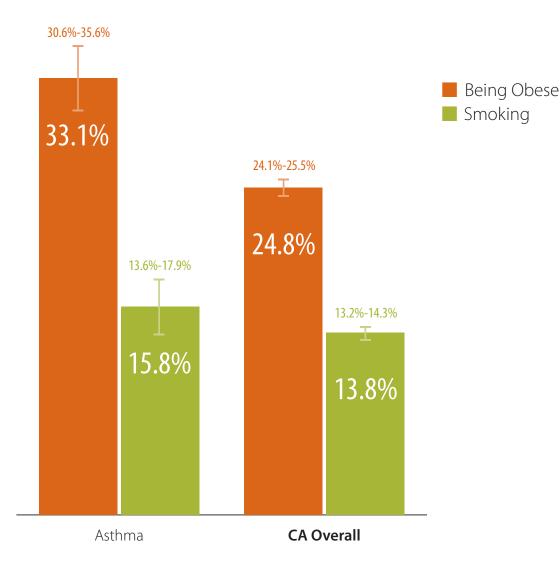
Source: UCLA, California Health Interview Survey (CHIS), 2011-2012.

Chronic Conditions for Adults Asthma

Adults with asthma had higher emergency department visit rates than the overall California adult population (34% vs. 19%). Among adults with asthma, one-third of emergency department visits in the past year were asthma-related. Some of these visits might have been prevented through appropriate and accessible primary care, regular medications, and good asthma management.

Risk Factors Among Adults with Asthma

California, 2011 to 2012

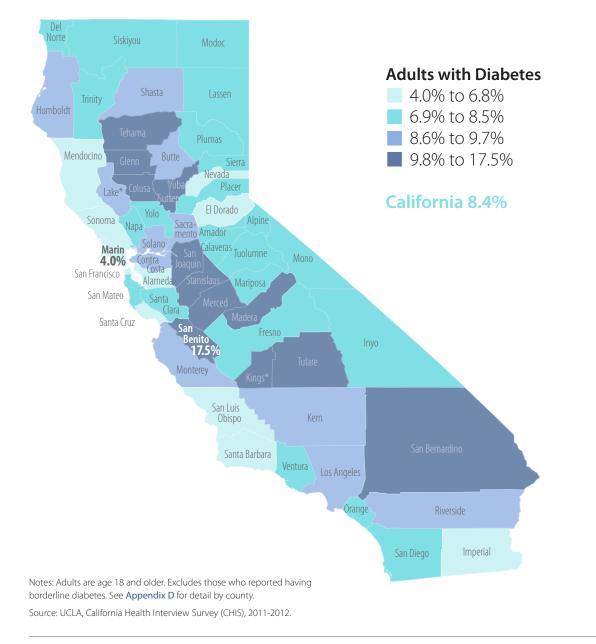


Chronic Conditions for Adults Asthma

Being obese and smoking are major risk factors for asthma. Among California adults with asthma, 16%, or an estimated 340,000 people, reported being current smokers. A larger percentage of adults with asthma were obese (33%) compared to the general adult population (25%).

Notes: Adults are age 18 and older. Asthma is defined as ever having been diagnosed with asthma and reporting current asthma, or having had an asthma attack/episode in the past 12 months. Obese is a body mass index (BMI) of 30 or greater. Smoking is defined as having smoked at least 100 cigarettes in entire lifetime and currently smoking every day or some days. Confidence intervals are shown as vertical lines.

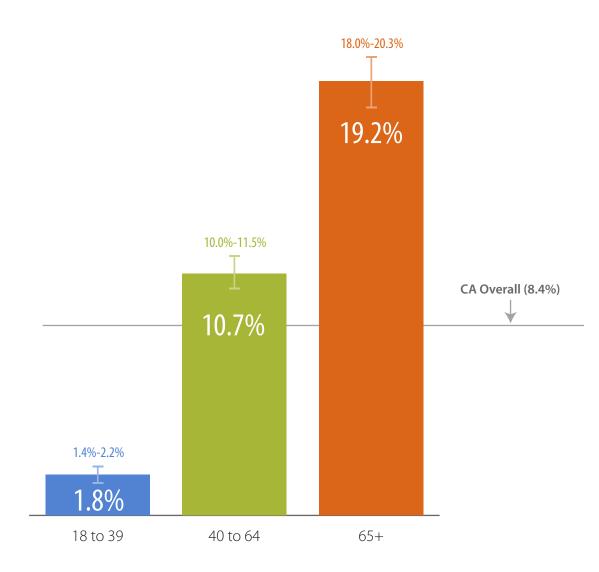
Diabetes Among Adults, by County California, 2011 to 2012



Chronic Conditions for Adults Diabetes

Statewide, 8% of adult Californians reported being diagnosed with diabetes. The prevalence of diabetes varied widely from county to county; San Benito (18%), Tulare (15%), and Yuba (13%) Counties had the highest prevalence of diabetes. Marin County had the lowest (4%).

Diabetes Among Adults, by Age California, 2011 to 2012

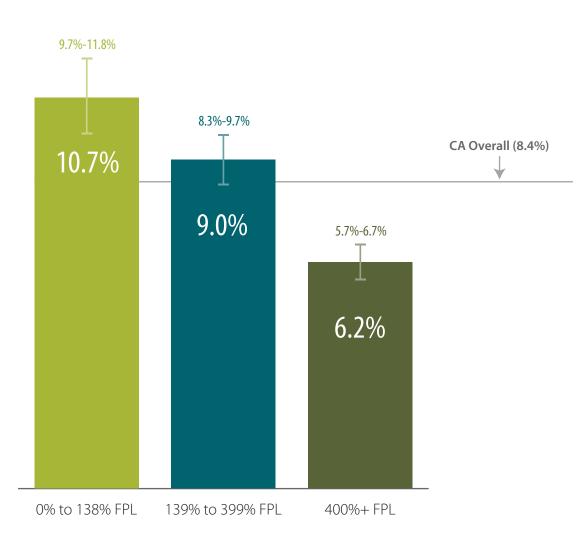


Chronic Conditions for Adults Diabetes

Prevalence of diabetes increased with age. One in five adults age 65 and older had diabetes compared to one in 50 adults age 18 to 39.

Notes: Adults are age 18 and older. Excludes those who reported having borderline diabetes. Confidence intervals are shown as vertical lines. Source: UCLA, California Health Interview Survey (CHIS), 2011-2012.

Diabetes Among Adults, by Federal Poverty Level California, 2011 to 2012

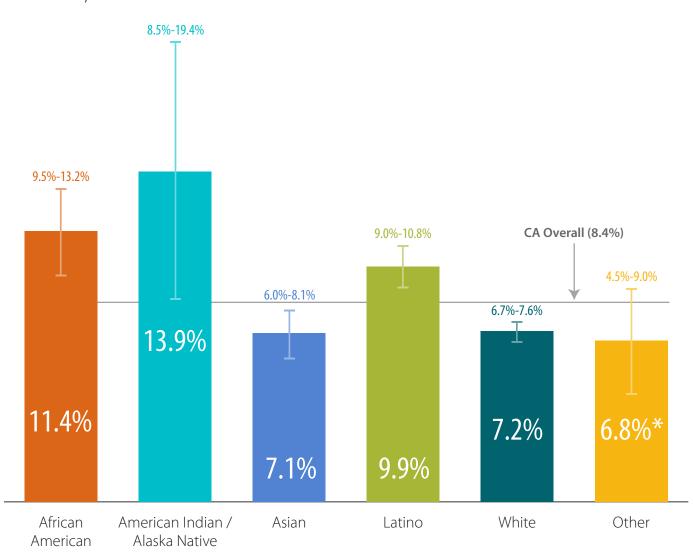


Chronic Conditions for Adults Diabetes

Diabetes prevalence among California low-income adults (under 138% FPL) was greater than that of adults with higher incomes (above 400% FPL).

Notes: Adults are age 18 and older. Excludes those who reported having borderline diabetes. Federal Poverty Level (FPL) categories are based on eligibility for Medicaid and subsidies under the Affordable Care Act in California. Individuals and families earning at or less than 138% FPL are eligible for Medicaid, and those earning between 139% and 399% FPL are eligible for subsidies. The FPL was \$10,890 for individuals and \$22,350 for a family of four. Confidence intervals are shown as vertical lines.

Diabetes Among Adults, by Race/Ethnicity California, 2011 to 2012



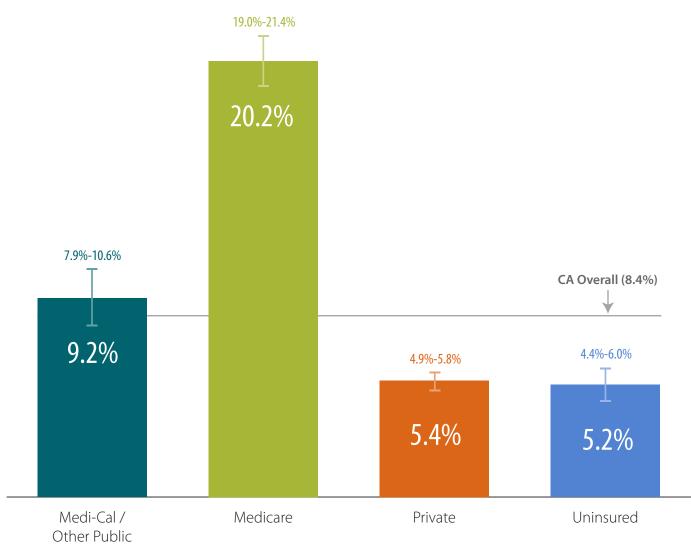
Chronic Conditions for Adults Diabetes

Prevalence of diabetes varied by race/ethnicity. American Indian / Alaska Natives, African Americans, and Latinos had higher rates of diabetes than Whites and Asians.

*Estimate is statistically unstable.

Notes: Adults are age 18 and older. Excludes those who reported having borderline diabetes. *Other* includes Native Hawaiian / Pacific Islander and and those who reported being of two or more races. Confidence intervals are shown as vertical lines.

Diabetes Among Adults, by Insurance Type California, 2011 to 2012

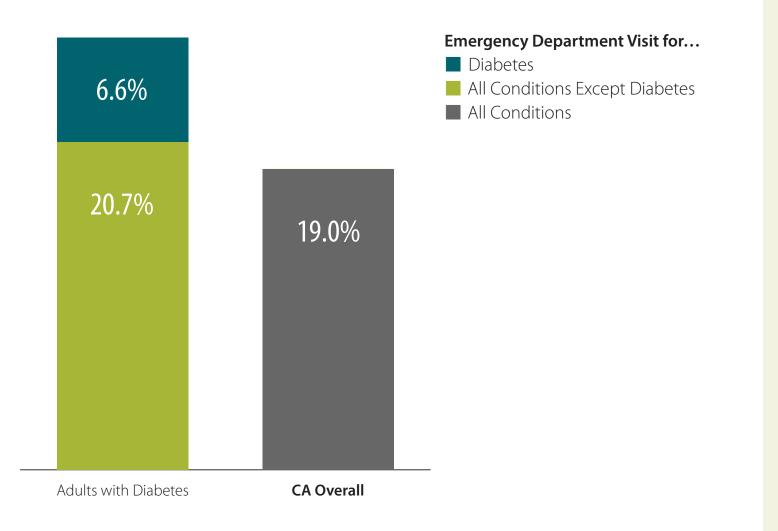


Chronic Conditions for Adults Diabetes

One in five California adults covered by Medicare had diabetes, likely due to this population's age. This rate was significantly higher than adults with other types of insurance and those with no insurance.

Notes: Adults are age 18 and older. Excludes those who reported having borderline diabetes. *Medi-Cal / Other Public* includes those who are covered primarily through Medi-Cal or other government-funded programs, such as Healthy Families and Children's Health Insurance Program (CHIP). *Medicare* includes those covered by Medicare only, Medicare and Medi-Cal (Medi-Medi), and Medicare plus other secondary insurance. Confidence intervals are shown as vertical lines.

Emergency Department Visits Among Adults with Diabetes California, 2011 to 2012



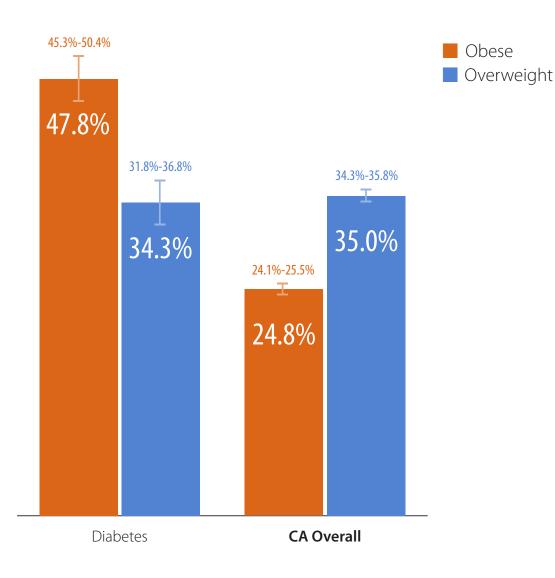
Notes: Adults are age 18 and older. Adults with diabetes were asked if, during the past 12 months, they had to visit a hospital emergency room because of their diabetes; those who answered no were asked if they had visited the emergency room for their own health. *CA Overall* is based on the general question which asked whether they had to visit a hospital emergency room for their own health during the past 12 months.

Source: UCLA, California Health Interview Survey (CHIS), 2011-2012.

Chronic Conditions for Adults Diabetes

Among adults with diabetes, more than one in four (27%) reported visiting the emergency department in the past year, and nearly one-fourth of those visits were diabetes-related.

Risk Factors Among Adults with Diabetes California, 2011 to 2012

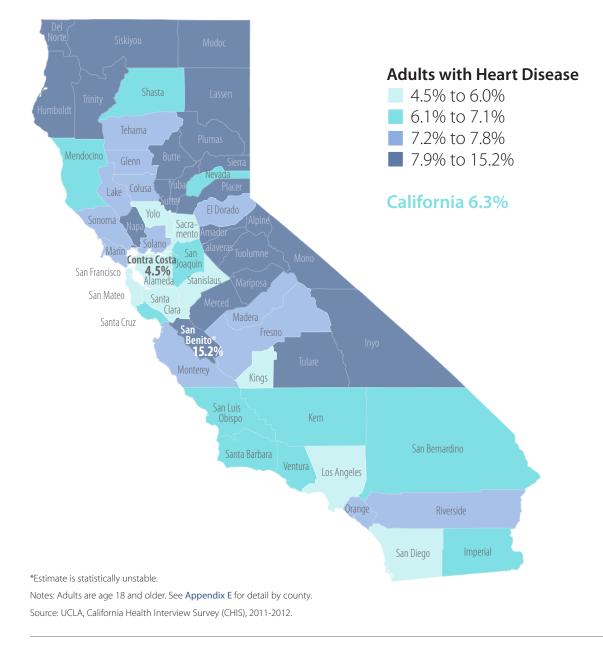


Notes: Adults are age 18 and older. Excludes those who reported having borderline diabetes. *Obese* is a BMI of 30 or greater. *Overweight* is a body mass index (BMI) of 25.0 to 29.9. Confidence intervals are shown as vertical lines. Source: UCLA, California Health Interview Survey (CHIS), 2011-2012.

Chronic Conditions for Adults Diabetes

Being overweight or obese is one risk factor linked to the development of type 2 diabetes, and having diabetes and being overweight increases the likelihood of having other major health complications. In California, among adults diagnosed with diabetes, about half were obese and an additional one-third were overweight.

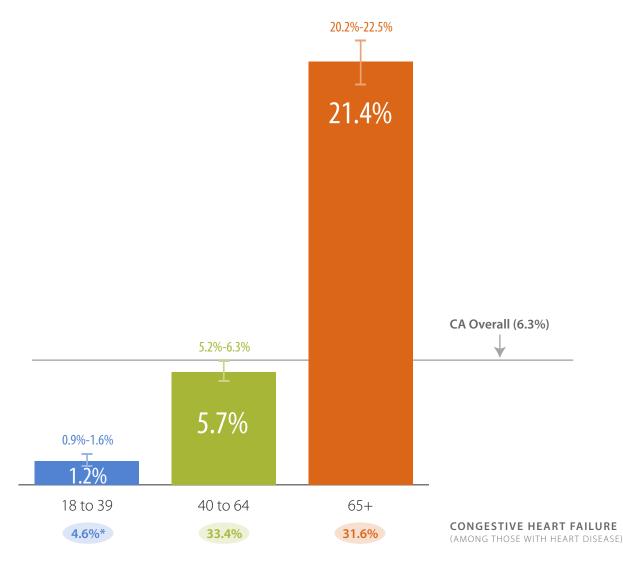
Heart Disease Among Adults, by County California, 2011 to 2012



Chronic Conditions for Adults Heart Disease

Statewide, 6% of adult Californians have been diagnosed with heart disease. Prevalence of heart disease ranged from a low of 4% in Contra Costa County to a high of 15% in San Benito County.

Heart Disease Among Adults, by Age California, 2011 to 2012



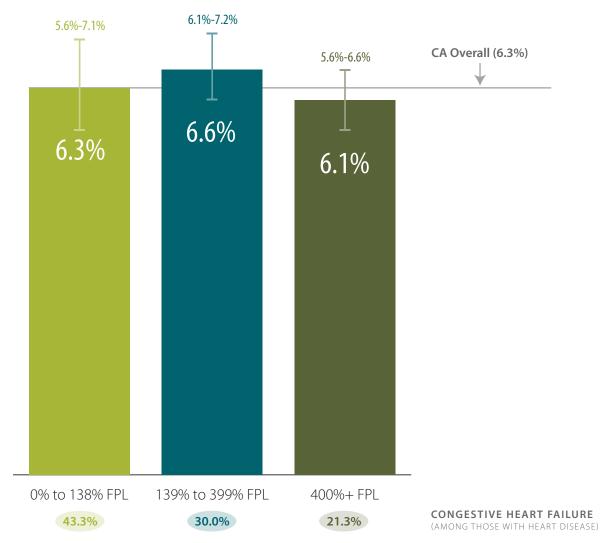
Chronic Conditions for Adults Heart Disease

The prevalence of heart disease among those 65 and older was significantly higher than those in other age groups. One in five Californians age 65 and older reported being diagnosed with heart disease. About a third of adults over 40 with heart disease had congestive heart failure, which is often the end result of severe heart disease

*Estimate is statistically unstable.

Notes: Adults are age 18 and older. Includes adults who have been told they have heart disease. For those with heart disease, CHIS asked if a doctor ever told them they have heart failure or congestive heart failure. Confidence intervals are shown as vertical lines.

Heart Disease Among Adults, by Federal Poverty Level California, 2011 to 2012



Notes: Adults are age 18 and older. Includes those who have been told they have heart disease. For those with heart disease, CHIS asked if a doctor ever told them if they have heart failure or congestive heart failure. Federal Poverty Level (FPL) categories are based on eligibility for Medicaid and subsidies under the Affordable Care Act in California. Individuals and families earning 138% FPL or less are eligible for Medicaid, and those earning between 139% and 399% FPL are eligible for subsidies. The FPL was \$10,890 for individuals and \$22,350 for a family of four. Confidence intervals are shown as vertical lines.

Source: UCLA, California Health Interview Survey (CHIS), 2011-2012.

Chronic Conditions for Adults Heart Disease

The prevalence of heart disease was similar across income groups. Among those with heart disease, however, the prevalence of congestive heart failure for the lowest income Californians (up to 138% FPL) was twice as high as those in the highest income group (above 400% FPL).

Heart Disease Among Adults, by Race/Ethnicity California, 2011 to 2012



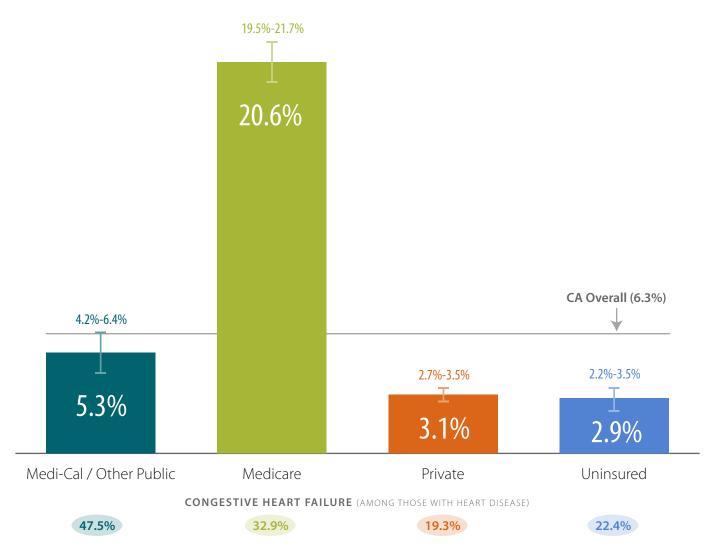
Chronic Conditions for Adults Heart Disease

The prevalence of heart disease was highest for White adults, compared to other racial/ethnic groups. (The data for American Indian / Alaska Native were not reliable for this analysis.) While the prevalence of heart disease among African Americans was near the state average, more than half of African Americans with heart disease had been diagnosed with congestive heart failure.

*Estimate is statistically unstable.

Notes: Adults are age 18 and older. Includes adults who have been told they have heart disease. For those with heart disease, CHIS asked if a doctor ever told them they have heart failure or congestive heart failure. *Other* includes Native Hawaiian / Pacific Islander and those who reported being of two or more races. Confidence intervals are shown as vertical lines. Source: UCLA, California Health Interview Survey (CHIS), 2011-2012.

Heart Disease Among Adults, by Insurance Type California, 2011 to 2012



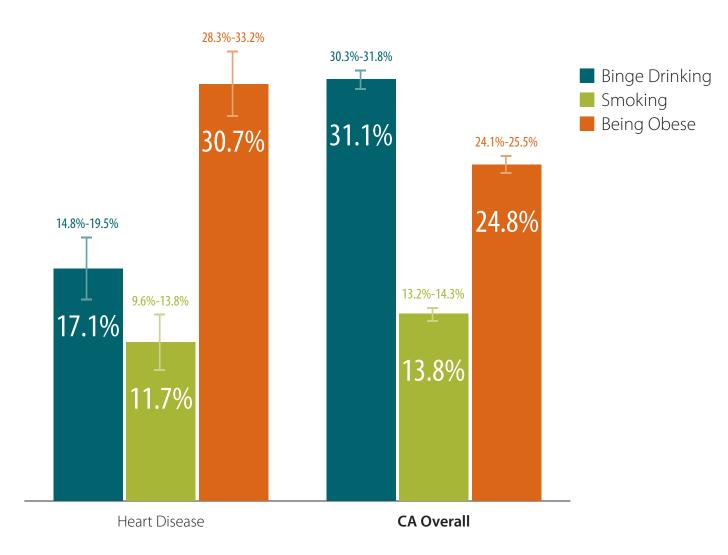
Notes: Adults are age 18 and older. Includes adults who have been told they have heart disease. For those with heart disease, CHIS asked if a doctor ever told them they have heart failure or congestive heart failure. *Medi-Cal / Other Public* includes those who are covered primarily through Medi-Cal or other government-funded programs, such as Healthy Families and Children's Health Insurance Program (CHIP). *Medicare* includes those covered by Medicare only, Medicare and Medi-Cal (Medi-Medi), and Medicare plus other secondary insurance. Confidence intervals are shown as vertical lines.

Source: UCLA, California Health Interview Survey (CHIS), 2011-2012.

Chronic Conditions for Adults Heart Disease

More than one-fifth (21%) of those covered by Medicare had heart disease, and of those with heart disease, one-third (33%) had been diagnosed with congestive heart failure. While only 5% of California adults covered by Medi-Cal and other public insurance had heart disease, of those, nearly half (48%) had been diagnosed with congestive heart failure.

Risk Factors Among Adults with Heart Disease California, 2011 to 2012

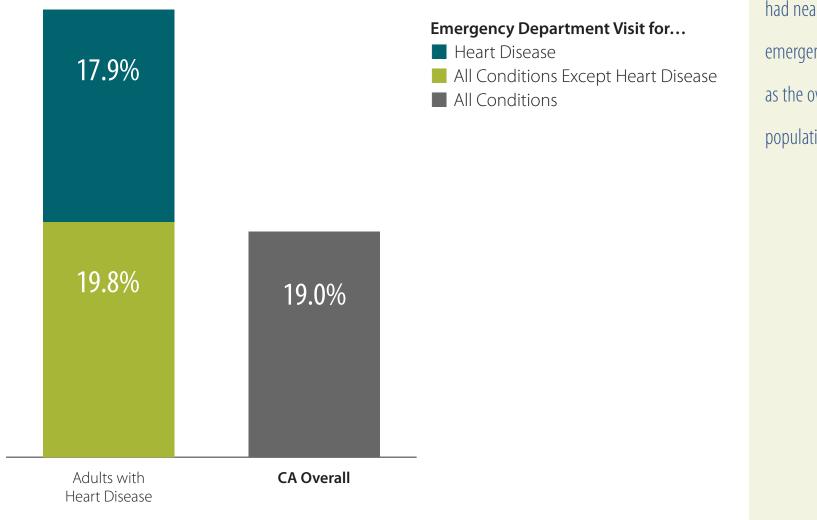


Chronic Conditions for Adults Heart Disease

Excessive alcohol consumption and tobacco use are two lifestyle factors that put people at risk for developing or further exacerbating heart disease. Nearly 1 in 5 of those with heart disease reported binge drinking in the past year and 1 in 10 were current smokers. Being obese is another risk factor for worsening heart disease; 31% of adults with heart disease were obese

Notes: Adults are age 18 and older. *Obese* is a body mass index (BMI) of 30 or greater. *Binge Drinking* is defined as consuming four or more alcoholic drinks on one or more occasion for women and five or more alcoholic drinks on one or more occasion for men at any point in the past year. *Smoking* is defined as having smoked at least 100 cigarettes in entire lifetime and currently smoking every day or some days. Confidence intervals are shown as vertical lines.

Emergency Department Visits, Adults with Heart Disease California, 2011 to 2012



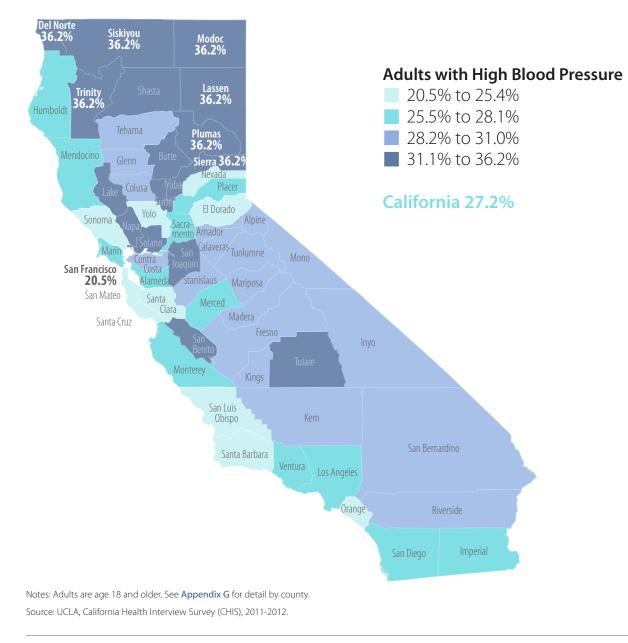
Notes: Adults are age 18 and older. Adults with heart disease were asked if, during the past 12 months, they had to visit a hospital emergency room because of their heart disease; those who answered no were asked if they had visited the emergency room for their own health. *CA Overall* is based on the general question, which asked whether they had to visit a hospital emergency room for their own health during the past 12 months.

Source: UCLA, California Health Interview Survey (CHIS), 2011-2012.

Chronic Conditions for Adults Heart Disease

Overall, adults with heart disease had nearly twice the rate of emergency department visits as the overall California adult population (38%).

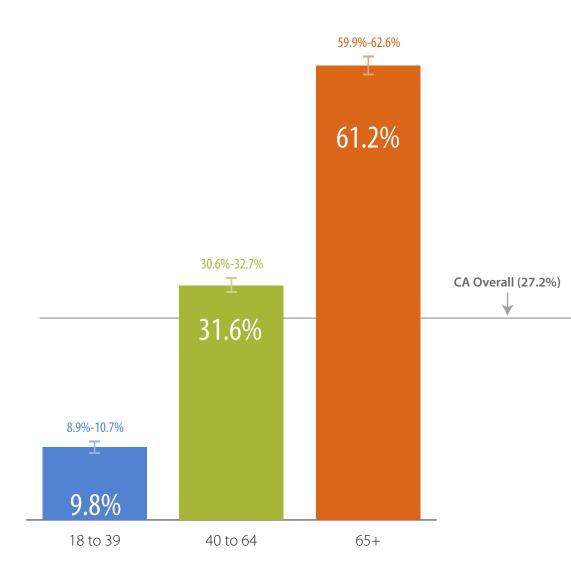
High Blood Pressure Among Adults, by County California, 2011 to 2012



Chronic Conditions for Adults High Blood Pressure

Approximately one in four California adults — over 7.5 million people — reported ever being diagnosed with high blood pressure. Many of the counties with the highest rates of high blood pressure were in the rural northern part of the state. San Francisco had the lowest rate (21%).

High Blood Pressure Among Adults, by Age California, 2011 to 2012

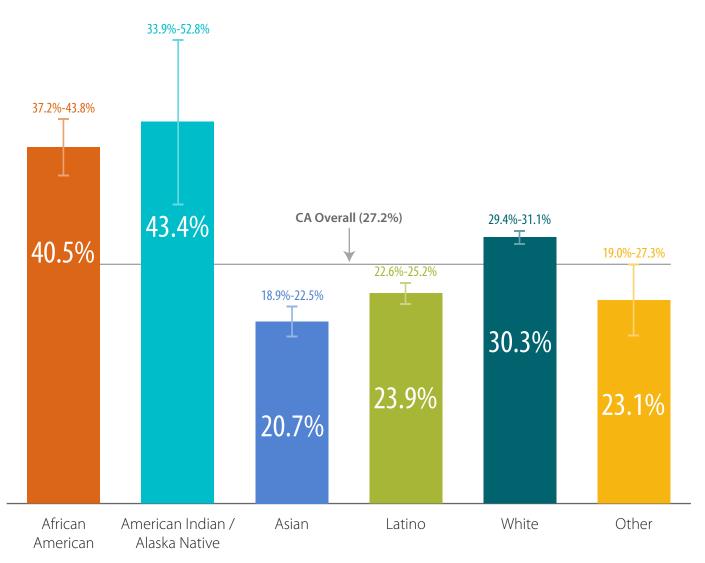


Chronic Conditions for Adults High Blood Pressure

The risk of having high blood pressure greatly increases with age. While less than 1 in 10 adults age 18 to 39 reported having high blood pressure, 3 in 10 adults age 40 to 64, and 6 in 10 adults age 65 and older reported having high blood pressure.

Notes: Adults are age 18 and older. Confidence intervals are shown as vertical lines. Source: UCLA, California Health Interview Survey (CHIS), 2011-2012.

High Blood Pressure Among Adults, by Race/Ethnicity California, 2011 to 2012

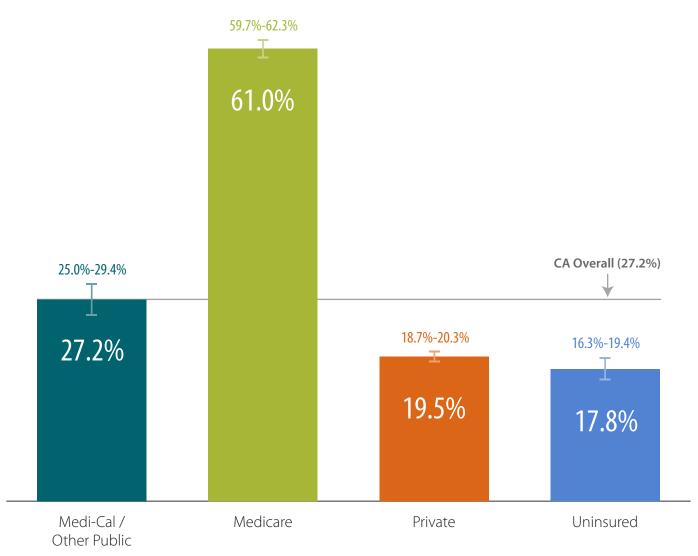


Chronic Conditions for Adults High Blood Pressure

American Indian / Alaska Natives (43%) and African Americans (41%) were more likely to report having high blood pressure than Asians (21%), Latinos (24%), Whites (30%), and other races (23%).

Notes: Adults are age 18 and older. Other includes those who reported being Native Hawaiian / Pacific Islander and those who reported being of two or more races. Confidence intervals are shown as vertical lines.

High Blood Pressure Among Adults, by Insurance Type California, 2011 to 2012

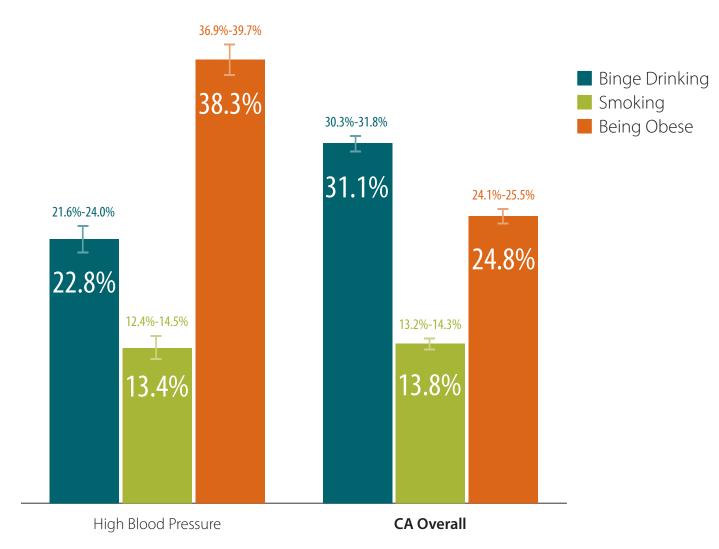


Chronic Conditions for Adults High Blood Pressure

The prevalence of high blood pressure was the highest among Medicare beneficiaries (61%), likely due to this population's age. Among adults covered by Medi-Cal / other public insurance, the prevalence of high blood pressure (27%) was higher than among those with private insurance (20%) and the uninsured (18%).

Notes: Adults are age 18 and older. *Medi-Cal / Other Public* includes those who are covered primarily through Medi-Cal or other government-funded programs, such as Healthy Families and Children's Health Insurance Program (CHIP). *Medicare* includes those covered by Medicare only, Medicare and Medi-Cal (Medi-Medi), and Medicare plus other secondary insurance. Confidence intervals are shown as vertical lines.

Risk Factors Among Adults with High Blood Pressure California, 2011 to 2012



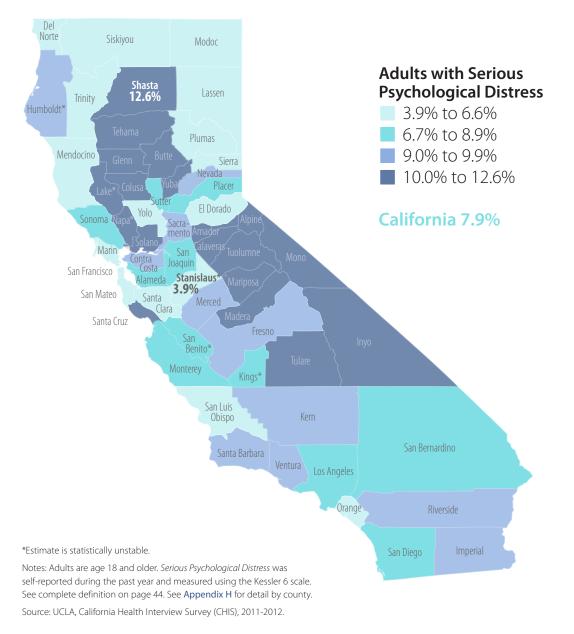
Notes: Adults are age 18 and older. *Obese* is a body mass index (BMI) of 30 or greater. *Binge Drinking* is defined as consuming four or more alcoholic drinks on one or more occasion for women and five or more alcoholic drinks on one or more occasion for men at any point in the past year. *Smoking* is defined as having smoked at least 100 cigarettes in entire lifetime and currently smoking every day or some days. Confidence intervals are shown as vertical lines.

Source: UCLA, California Health Interview Survey (CHIS), 2011-2012.

Chronic Conditions for Adults High Blood Pressure

Among California adults with high blood pressure, 38% were obese, 23% reported binge drinking, and 13% said they currently smoke.

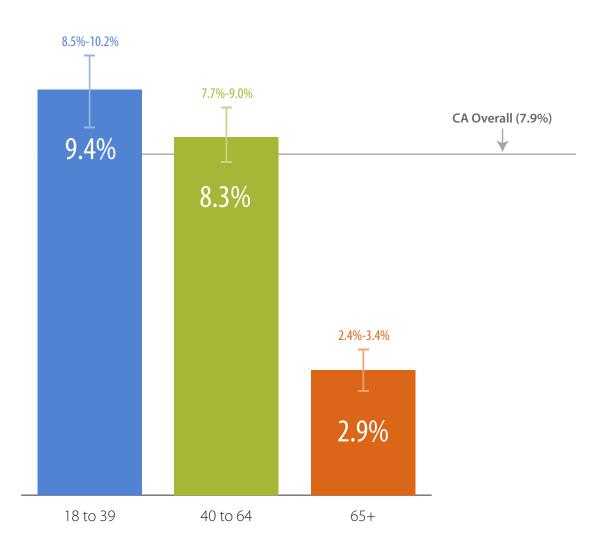
Serious Psychological Distress Among Adults, by County California, 2011 to 2012



Chronic Conditions for Adults Serious Psychological Distress

Among California adults, 8% reported experiencing serious psychological distress in the past year. The highest rates of serious psychological distress were found in counties in the San Joaquin Valley and in the Northern and Sierra regions.

Serious Psychological Distress Among Adults, by Age California, 2011 to 2012

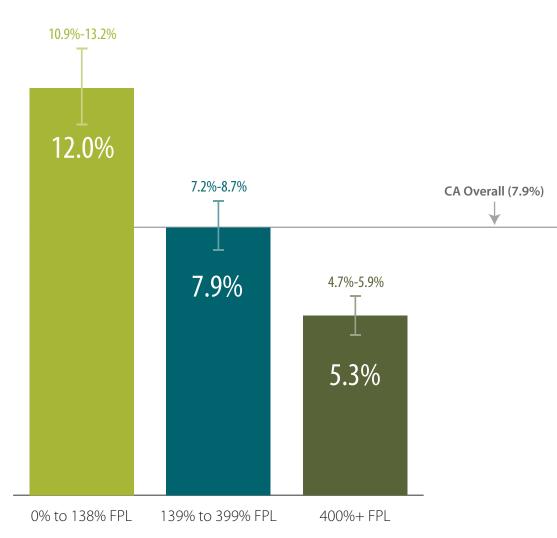


Chronic Conditions for Adults Serious Psychological Distress

The prevalence of serious psychological distress decreases with age. Self-reported serious psychological distress was approximately three times higher among adults age 18 to 39 (9%) compared to adults age 65 and older (3%).

Notes: Adults are age 18 and older. *Serious Psychological Distress* was self-reported during the past year and measured using the Kessler 6 scale. See complete definition on page 44. Confidence intervals are shown as vertical lines.

Serious Psychological Distress Among Adults, by FPL California, 2011 to 2012



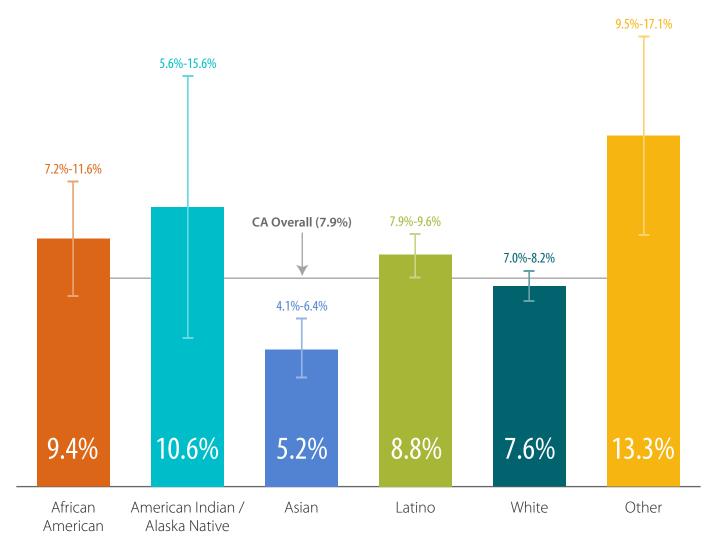
Chronic Conditions for Adults Serious Psychological Distress

In California, serious psychological distress was more likely to be experienced by lower-income respondents than those with higher incomes. The prevalence of serious psychological distress was more than two times greater among lowest income adults overall (138% FPL and lower) than those in the highest income group (400+% FPL).

Notes: Adults are age 18 and older. *Serious Psychological Distress* was self-reported during the past year and measured using the Kessler 6 scale. See complete definition on page 44. Federal Poverty Level (FPL) categories are based on eligibility for Medicaid and subsidies under the Affordable Care Act in California. Individuals and families earning 138% FPL or less are eligible for Medicaid, and those earning between 139% and 399% FPL are eligible for subsidies. The FPL was \$10,890 for individuals and \$22,350 for a family of four. Confidence intervals are shown as vertical lines.

Serious Psychological Distress Among Adults

by Race/Ethnicity, California, 2011 to 2012

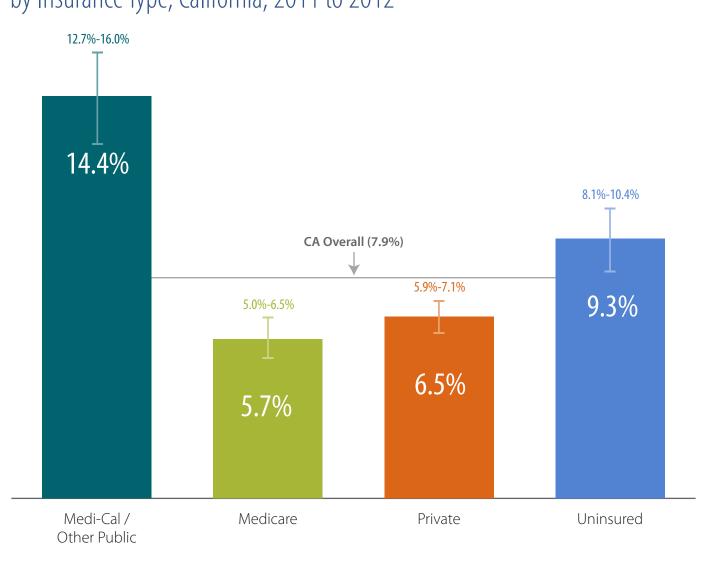


Chronic Conditions for Adults Serious Psychological Distress

Approximately 1 in 10 American Indians / Alaskan Natives, African Americans, and Latinos experienced serious psychological distress in the past year.

Notes: Adults are age 18 and older. *Serious Psychological Distress* was self-reported during the past year and measured using the Kessler 6 scale. See complete definition on page 44. *Other* includes those who reported being Native Hawaiian / Pacific Islander and those who reported being of two or more races. Confidence intervals are shown as vertical lines. Source: UCLA, California Health Interview Survey (CHIS), 2011-2012.

Serious Psychological Distress Among Adults by Insurance Type, California, 2011 to 2012



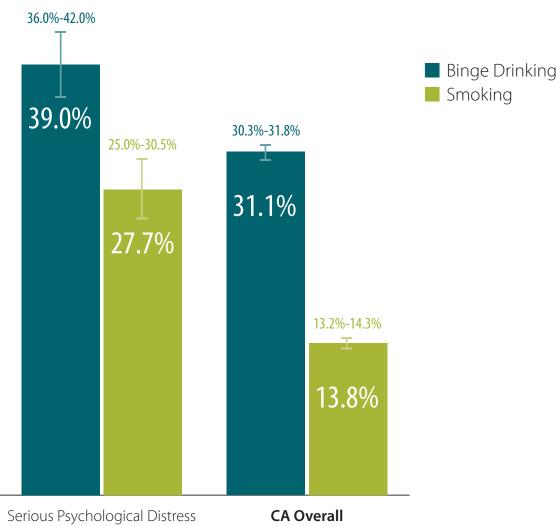
Notes: Adults are age 18 and older. *Serious Psychological Distress* was self-reported during the past year and measured using the Kessler 6 scale. See complete definition on page 44. *Medi-Cal / Other Public* includes those who are covered primarily through Medi-Cal or other government-funded programs, such as Healthy Families and Children's Health Insurance Program (CHIP). *Medicare* includes those covered by Medicare only, Medicare and Medi-Cal (Medi-Medi), and Medicare plus other secondary insurance. Confidence intervals are shown as vertical lines.

Source: UCLA, California Health Interview Survey (CHIS), 2011-2012.

Chronic Conditions for Adults Serious Psychological Distress

The prevalence of serious psychological distress was more than twice as high among those with Medi-Cal / other public insurance (14%) and nearly 1.5 times greater among the uninsured (9%) than among those with private insurance.

Risk Factors Among Adults with Serious Psychological Distress, California, 2011 to 2012



Chronic Conditions for Adults Serious Psychological Distress

Excessive alcohol consumption and smoking have been identified as risk factors associated with serious psychological distress among adults. Among Californians who reported serious psychological distress in the past year, the prevalence of binge drinking and current smoking was higher than the state average.

Notes: Adults are age 18 and older. *Serious Psychological Distress* was self-reported during the past year and measured using the Kessler 6 scale. See complete definition on page 44. *Binge Drinking* is defined as consuming four or more alcoholic drinks on one or more occasion for women and five or more alcoholic drinks on one or more occasion for men at any point in the past year. *Smoking* is defined as having smoked at least 100 cigarettes in entire lifetime and currently smoking every day or some days. Confidence intervals are shown as vertical lines.

Chronic Conditions for Adults

Definitions All conditions were self-reported.

Asthma is defined as ever having been diagnosed with asthma and reporting current asthma, or having had an asthma attack or episode in the past 12 months.

Binge Drinking is defined as consuming four or more alcoholic drinks on one or more occasion for women, and five or more alcoholic drinks on one or more occasion for men, at any point in the past year.

Congestive Heart Failure is defined as being diagnosed with heart failure or congestive heart failure by a doctor. This only includes those who have been diagnosed with heart disease.

Delayed Filling Prescription is defined as reporting delaying or not getting a medicine prescribed by a doctor during the past 12 months. For those who experienced the delay, CHIS asked whether cost or lack of insurance was a reason for delaying or not getting a needed prescription.

Delayed Medical Care is defined as reporting delaying or not getting needed medical care during the past 12 months. For those who experienced the delay, CHIS asked whether cost or lack of insurance was a reason for delaying or not getting needed medical care. **Diabetes** is defined as those who have been diagnosed with diabetes by a doctor and does not include pregnancy or borderline diabetes.

Heart Disease is defined as being diagnosed by a doctor with any kind of heart disease.

High Blood Pressure is defined as being diagnosed with high blood pressure by a doctor.

Obese is defined as a body mass index (BMI) of 30 or greater.

Overweight is defined as a body mass index (BMI) of 25.0 to 29.9.

Serious Psychological Distress was self-reported during the past year and measured using the Kessler 6 scale. The scale covers six symptoms areas, where respondents were asked how often they feel (1) nervous, (2) hopeless, (3) restless or fidgety, (4) so depressed that nothing could cheer them up, (5) that everything was an effort, or (6) worthless.

Smoking is defined as having smoked at least 100 cigarettes in entire lifetime and currently smoking every day or some days.

ABOUT THIS SERIES

The California Health Care Almanac is an online clearinghouse for data and analysis examining the state's health care system. It focuses on issues of quality, affordability, insurance coverage and the uninsured, and the financial health of the system with the goal of supporting thoughtful planning and effective decisionmaking. Learn more at **www.chcf.org/almanac**.

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Appendix A: California Counties Included in Regions



Appendix B: Chronic Conditions Among Adults, by County, California, 2011 to 2012

	Total Adult Population	Number / Pe	NONE	Number / Pe	ONE ercentage	Number / Pe	TWO ercentage	THREE 1 Number / Pe	
California	27,796,000	16,447,000	59.2 %	8,187,000	29.5 %	2,560,000	9.2 %	603,000	2.2%
Northern and Sierra Counties	1,064,000	584,300	54.9 %	323,500	30.4%	121,000	11.3%	35,000	3.3%
Butte	170,000	88,000	51.9%	51,000	30.2%	21,000	12.2%	10,000	5.7%
Shasta	137,000	68,000	49.3%	46,000	33.4%	18,000	13.3%	6,000	4.1%
Humboldt	104,000	60,000	57.6%	27,000	25.6%	13,000	12.5%	4,000	4.3%
Del Norte, Lassen, Modoc, Plumas, Sierra, Siskiyou, Trinity	109,000	58,000	52.8%	36,000	33.3%	10,000	9.5%	2,000	1.4%*
Mendocino	67,000	41,000	61.5%	20,000	30.2%	5,000	6.8%	1,000	1.6%
Lake	50,000	25,000	49.4%	17,000	33.7%	7,000	14.9%	1,000	2.0%
Colusa, Glenn, Tehama	83,000	45,000	55.1%	26,000	31.1%	10,000	12.4%	1,000	0.9%
Sutter	69,000	38,000	55.4%	20,000	29.2%	7,000	10.0%	4,000	5.5%
Yuba	51,000	25,000	48.2%	19,000	36.3%	6,000	12.5%	2,000	3.1%
Nevada	79,000	48,000	60.6%	25,000	31.3%	6,000	7.2%	1,000	0.9%
Alpine, Amador, Calaveras, Inyo, Mariposa, Mono, Tuolumne	145,000	89,000	61.2%	37,000	25.7%	15,000	10.0%	1,000	0.9%*
Greater Bay Area	5,543,000	3,322,900	60.0%	1,644,200	29.7 %	466,000	8.4%	110,000	2.0%
Santa Clara	1,362,000	871,000	63.9%	358,000	26.3%	109,000	8.0%	24,000	1.8%
Alameda	1,158,000	652,000	56.3%	391,000	33.8%	97,000	8.4%	18,000	1.5%*
Contra Costa	804,000	446,000	55.5%	248,000	30.9%	80,000	10.0%	30,000	3.7%
San Francisco	679,000	455,000	67.0%	179,000	26.3%	40,000	5.9%	6,000	0.9%
San Mateo	565,000	360,000	63.8%	145,000	25.6%	51,000	9.1%	9,000	1.5%
Sonoma	374,000	224,000	59.8%	113,000	30.1%	30,000	8.0%	8,000	2.0%
Solano	304,000	141,000	46.4%	115,000	37.9%	36,000	11.7%	12,000	3.9%
Marin	194,000	122,000	62.7%	61,000	31.4%	10,000	5.3%	1,000	0.6%
Napa	102,000	52,000	51.1%	34,000	33.5%	13,000	12.7%	3,000	2.7%
Sacramento Area	1,620,000	951,000	58.7%	469,400	29.0%	168,000	10.4%	31,000	1 .9 %
Saciamento Area	1,020,000								
Sacramento	1,055,000	610,000	57.8%	306,000	29.0%	117,000	11.1%	22,000	2.1%
		610,000 165,000	57.8% 60.6%	306,000 76,000	29.0% 27.9%	117,000 27,000	11.1% 10.1%	22,000 4,000	2.1% 1.4%
Sacramento	1,055,000								

NUMBER OF CHRONIC CONDITIONS

Appendix B: Chronic Conditions Among Adults, by County, California, 2011 to 2012, continued

Total Adult Population	Number / Pe	NONE ercentage	Number / Pe	ONE ercentage	Number / Pe	TWO ercentage	THREE T Number / Pei	
2,740,000	1,481,400	54.1%	56,400	31.3%	320,000	11.7%	83,000	3.0%
650,000	356,000	54.8%	204,000	31.4%	70,000	10.7%	20,000	3.1%
557,000	320,000	57.4%	158,000	28.3%	67,000	12.0%	13,000	2.3%
486,000	240,000	49.5%	169,000	34.8%	66,000	13.6%	11,000	2.2%
372,000	209,000	56.3%	120,000	32.2%	31,000	8.4%	12,000	3.1%
304,000	151,000	49.7%	100,000	33.0%	38,000	12.6%	15,000	4.8%
177,000	97,000	54.8%	49,000	27.4%	26,000	14.9%	5,000	2.9%
95,000	54,000	57.0%	29,000	30.1%	10,000	10.2%	3,000	2.7%
100,000	54,000	53.9%	29,000	28.7%	12,000	11.7%	6,000	5.7%
1,658,000	1,018,400	61.4%	477,000	28.7%	138,000	8.4%	25,000	1.5%
616,000	379,000	61.5%	166,000	27.0%	58,000	9.5%	12,000	2.0%
311,000	197,000	63.1%	91,000	29.4%	20,000	6.5%	3,000	1.0%
200,000	128,000	63.7%	53,000	26.5%	18,000	8.8%	2,000	1.0%
202,000	128,000	63.1%	59,000	29.3%	13,000	6.4%	3,000	1.3%
288,000	169,000	58.7%	88,000	30.6%	27,000	9.2%	4,000	1.4%
41,000	19,000	46.0%	18,000	45.1%	3,000	7.0%	1,000	1.9%
7,402,000	4,469,400	60.4%	2,106,000	28.5%	666,000	9.0%	160,000	2.2%
2,305,000	1,473,700	64.0%	615,000	26.7%	182,000	7.9 %	33,000	1.5%
3,030,000	1,663,000	54.9 %	970,000	32.0%	315,000	10.4%	83,000	2.7%
1,441,000	776,000	53.8%	477,000	33.1%	148,000	10.2%	41,000	2.8%
1,589,000	887,000	55.8%	493,000	31.0%	167,000	10.5%	42,000	2.7%
2,435,000	1,482,700	60.9 %	725,000	29.8 %	184,000	7.6%	43,000	1.8%
2,321,000	1,418,000	61.1%	686,000	29.6%	176,000	7.6%	41,000	1.8%
114,000	65,000	57.1%	39,000	34.1%	8,000	7.0%	2,000	1.7%
	Population 2,740,000 650,000 557,000 486,000 372,000 372,000 177,000 95,000 100,000 1,658,000 200,000 202,000 202,000 203,000 3,030,000 1,41,000 1,441,000 1,589,000 2,321,000	Population Number / Participant 2,740,000 1,481,400 650,000 356,000 557,000 320,000 486,000 240,000 372,000 209,000 372,000 209,000 177,000 97,000 95,000 54,000 100,000 54,000 100,000 54,000 100,000 54,000 100,000 54,000 100,000 197,000 200,000 128,000 200,000 128,000 200,000 128,000 200,000 19,000 200,000 19,000 200,000 128,000 200,000 1,9,000 200,000 1,9,000 200,000 1,9,000 41,000 19,000 1,441,000 776,000 1,589,000 887,000 1,589,000 1,418,000	Population Number / Percentage 2,740,000 1,481,400 54.1% 650,000 356,000 54.8% 557,000 320,000 57.4% 486,000 240,000 49.5% 372,000 209,000 56.3% 304,000 151,000 49.7% 177,000 97,000 54.8% 95,000 54,000 57.0% 100,000 54,000 57.0% 100,000 54,000 53.9% 100,000 54,000 53.9% 100,000 54,000 63.1% 200,000 128,000 63.1% 200,000 128,000 63.1% 200,000 128,000 58.7% 41,000 19,000 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100,000 54,000 61.4% 477,000 28.7% 138,000 100,000 1018,400 61.5%	Population Number / Percentage Number / Percentage Number / Percentage 2,740,000 1,481,400 54.1% 56,400 31.3% 320,000 11.7% 650,000 356,000 54.8% 204,000 31.4% 70,000 10.7% 557,000 320,000 57.4% 158,000 28.3% 66,000 13.6% 486,000 240,000 49.5% 169,000 34.8% 66,000 13.6% 372,000 209,000 56.3% 120,000 32.2% 31,000 84.4% 304,000 151,000 49.7% 100,000 33.0% 38,000 12.6% 177,000 97,000 54.8% 49,000 27.4% 26,000 14.9% 95,000 54,000 57.9% 29,000 30.1% 10,000 10.2% 100,000 54,000 53.9% 29,000 28.7% 12,000 11.7% 1,658,000 1,018,400 61.4% 477,000 28.7% 138,000 8.4%	Population Number / Percentage Number / Percentage Number / Percentage Number / Percentage 2,740,000 1,481,400 54.1% 56,400 31.3% 320,000 11.7% 83,000 650,000 356,000 54.8% 204,000 31.4% 70,000 10.7% 20,000 557,000 320,000 57.4% 158,000 28.3% 67,000 12.0% 13,000 486,000 240,000 49.5% 169,000 34.8% 66,000 13.6% 11,000 372,000 209,000 56.3% 120,000 32.2% 31,000 8.4% 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NUMBER OF CHRONIC CONDITIONS

*Estimate is statistically unstable.

Notes: Adults are age 18 and older. Chronic conditions include asthma, diabetes, heart disease, high blood pressure, and serious psychological distress. See definitions on page 44.

Appendix C: Asthma Among Adults, by County, California, 2011 to 2012

	Total Adult Population	A Number / Pe	STHMA ercentage
California	27,796,000	2,144,000	7.7%
Alameda	1,158,000	106,000	9.2%
Alpine, Amador, Calaveras, Inyo, Mariposa, Mono, Tuolumne	145,000	8,000	5.5%*
Butte	170,000	26,000	15.2%
Colusa, Glenn, Tehama	83,000	6,000	7.3%
Contra Costa	804,000	90,000	11.2%
Del Norte, Lassen, Modoc, Plumas, Sierra, Siskiyou, Trinity	109,000	10,000	9.3%
El Dorado	140,000	19,000	13.3%
Fresno	650,000	84,000	13.0%
Humboldt	104,000	15,000	14.4%
Imperial	114,000	7,000	6.6%
Kern	557,000	60,000	10.7%
Kings	95,000	8,000	8.8%
Lake	50,000	7,000	14.6%*
Los Angeles	7,402,000	506,000	6.8%
Madera	100,000	10,000	9.9%
Marin	194,000	10,000	5.4%
Mendocino	67,000	4,000	6.6%
Merced	177,000	16,000	8.8%
Monterey	288,000	20,000	7.0%
Napa	102,000	12,000	11.4%*
Nevada	79,000	6,000	8.2%

	Total Adult	ASTHMA
	Population	Number / Percentage
Orange	2,305,000	130,000 5.6%
Placer	272,000	17,000 6.4%
Riverside	1,589,000	109,000 6.9%
Sacramento	1,055,000	92,000 8.7%
San Benito	41,000	3,000 7.1%*
San Bernardino	1,441,000	107,000 7.4%
San Diego	2,321,000	151,000 6.2%
San Francisco	679,000	51,000 7.5%
San Joaquin	486,000	46,000 9.4%
San Luis Obispo	202,000	10,000 5.1%
San Mateo	565,000	40,000 7.1%
Santa Barbara	311,000	24,000 7.8%
Santa Clara	1,362,000	108,000 7.9%
Santa Cruz	200,000	13,000 6.7%
Shasta	137,000	15,000 10.8%
Solano	304,000	45,000 14.9%
Sonoma	374,000	41,000 11.0%
Stanislaus	372,000	34,000 9.1%
Sutter	69,000	5,000 6.9%
Tulare	304,000	34,000 11.1%
Ventura	616,000	29,000 4.8%
Yolo	153,000	12,000 7.8%
Yuba	51,000	3,000 6.5%

*Estimate is statistically unstable.

Notes: Adults are age 18 and older. Asthma is defined as ever having been diagnosed with asthma and reporting current asthma, or having had an asthma attack/episode in the past 12 months.

Appendix D: Diabetes Among Adults, by County, California, 2011 to 2012

	Total Adult Population	DI. Number / Pe	ABETES rcentage
California	27,796,000	2,322,000	8.4%
Alameda	1,158,000	78,000	6.7%
Alpine, Amador, Calaveras, Inyo, Mariposa, Mono, Tuolumne	145,000	11,000	7.8%
Butte	170,000	15,000	8.6%
Colusa, Glenn, Tehama	83,000	8,000	9.9%
Contra Costa	804,000	69,000	8.6%
Del Norte, Lassen, Modoc, Plumas, Sierra, Siskiyou, Trinity	109,000	9,000	8.2%
El Dorado	140,000	9,000	6.1%
Fresno	650,000	55,000	8.5%
Humboldt	104,000	10,000	9.4%
Imperial	114,000	7,000	5.8%
Kern	557,000	51,000	9.2%
Kings	95,000	10,000	10.3%*
Lake	50,000	4,000	8.7%*
Los Angeles	7,402,000	639,000	8.6%
Madera	100,000	14,000	14.0%
Marin	194,000	8,000	4.0%
Mendocino	67,000	4,000	5.6%
Merced	177,000	21,000	11.6%
Monterey	288,000	28,000	9.7%
Napa	102,000	8,000	7.7%
Nevada	79,000	3,000	4.4%

	Total Adult Population	DIABETES Number / Percentage
Orange	2,305,000	170,000 7.4%
Placer	272,000	23,000 8.3%
Riverside	1,589,000	140,000 8.8%
Sacramento	1,055,000	97,000 9.2%
San Benito	41,000	7,000 17.5%
San Bernardino	1,441,000	153,000 10.6%
San Diego	2,321,000	182,000 7.8%
San Francisco	679,000	32,000 4.7%
San Joaquin	486,000	53,000 10.9%
San Luis Obispo	202,000	14,000 6.8%
San Mateo	565,000	43,000 7.6%
Santa Barbara	311,000	18,000 5.8%
Santa Clara	1,362,000	100,000 7.4%
Santa Cruz	200,000	11,000 5.7%
Shasta	137,000	12,000 9.0%
Solano	304,000	29,000 9.5%
Sonoma	374,000	19,000 5.2%
Stanislaus	372,000	43,000 11.6%
Sutter	69,000	8,000 11.0%
Tulare	304,000	46,000 15.2%
Ventura	616,000	44,000 7.2%
Yolo	153,000	11,000 7.0%
Yuba	51,000	7,000 13.4%

*Estimate is statistically unstable.

Notes: Adults age 18 and older. Excludes those who reported having borderline diabetes.

Appendix E: Heart Disease Among Adults, by County, California, 2011 to 2012

	Total Adult Population	HEART D Number / Pe	
California	27,796,000	1,759,000	6.3%
Alameda	1,158,000	69,000	6.0%
Alpine, Amador, Calaveras, Inyo, Mariposa, Mono, Tuolumne	145,000	14,000	9.6%
Butte	170,000	13,000	7.9%
Colusa, Glenn, Tehama	83,000	6,000	7.7%
Contra Costa	804,000	36,000	4.5%
Del Norte, Lassen, Modoc, Plumas, Sierra, Siskiyou, Trinity	109,000	11,000	10.2%
El Dorado	140,000	10,000	7.3%
Fresno	650,000	47,000	7.2%
Humboldt	104,000	11,000	10.9%
Imperial	114,000	8,000	6.9%
Kern	557,000	34,000	6.2%
Kings	95,000	5,000	5.0%
Lake	50,000	4,000	7.4%
Los Angeles	7,402,000	415,000	5.6%
Madera	100,000	8,000	7.7%
Marin	194,000	14,000	7.3%
Mendocino	67,000	5,000	7.0%
Merced	177,000	14,000	7.9%
Monterey	288,000	22,000	7.5%
Napa	102,000	10,000	9.9%
Nevada	79,000	6,000	7.1%

	Total Adult Population	HEART DISEASE Number / Percentage
Orange	2,305,000	174,000 7.6%
Placer	272,000	22,000 8.3%
Riverside	1,589,000	122,000 7.7%
Sacramento	1,055,000	55,000 5.2%
San Benito	41,000	6,000 15.2%*
San Bernardino	1,441,000	91,000 6.3%
San Diego	2,321,000	135,000 5.8%
San Francisco	679,000	39,000 5.8%
San Joaquin	486,000	30,000 6.2%
San Luis Obispo	202,000	13,000 6.5%
San Mateo	565,000	27,000 4.7%
Santa Barbara	311,000	19,000 6.2%
Santa Clara	1,362,000	72,000 5.3%
Santa Cruz	200,000	13,000 6.6%
Shasta	137,000	8,000 6.1%
Solano	304,000	24,000 7.8%
Sonoma	374,000	29,000 7.6%
Stanislaus	372,000	20,000 5.3%
Sutter	69,000	7,000 10.4%
Tulare	304,000	35,000 11.5%
Ventura	616,000	43,000 7.0%
Yolo	153,000	8,000 5.0%
Yuba	51,000	6,000 11.8%

*Estimate is statistically unstable.

Note: Adults are age 18 and older.

Appendix F: Congestive Heart Failure Among Adults with Heart Disease, by County, California, 2011 to 2012

	Total Adult Population	CONGESTIVE HEART FAILURE Number / Percentage
California	27,796,000	530,000 30.1%
Alameda	1,158,000	24,000 34.9%
Alpine, Amador, Calaveras, Inyo, Mariposa, Mono, Tuolumne	145,000	6,000 43.9%
Butte	170,000	4,000 26.8%
Colusa, Glenn, Tehama	83,000	1,000 17.6%
Contra Costa	804,000	14,000 38.3%
Del Norte, Lassen, Modoc, Plumas, Sierra, Siskiyou, Trinity	109,000	3,000 23.0%
El Dorado	140,000	4,000 34.5%
Fresno	650,000	8,000 17.5%
Humboldt	104,000	5,000 46.2%
Imperial	114,000	1,000 18.5%
Kern	557,000	13,000 37.4%
Kings	95,000	2,000 38.8%
Lake	50,000	1,000 25.0%
Los Angeles	7,402,000	145,000 35.0%
Madera	100,000	4,000 48.7%
Marin	194,000	1,000 9.3%
Mendocino	67,000	1,000 27.7%
Merced	177,000	5,000 35.3%
Monterey	288,000	3,000 14.3%
Napa	102,000	2,000 15.8%
Nevada	79,000	1,000 19.6%

	Total Adult Population	CONGESTIVE HEART FAILURE Number / Percentage
Orange	2,305,000	36,000 20.8%
Placer	272,000	5,000 22.7%
Riverside	1,589,000	45,000 36.6%
Sacramento	1,055,000	17,000 30.4%
San Benito	41,000	1,000 17.0%
San Bernardino	1,441,000	33,000 36.0%
San Diego	2,321,000	30,000 22.6%
San Francisco	679,000	7,000 17.8%
San Joaquin	486,000	10,000 32.3%
San Luis Obispo	202,000	3,000 25.6%
San Mateo	565,000	9,000 33.6%
Santa Barbara	311,000	4,000 21.9%
Santa Clara	1,362,000	18,000 24.4%
Santa Cruz	200,000	1,000 10.7%
Shasta	137,000	3,000 32.7%
Solano	304,000	9,000 38.0%
Sonoma	374,000	8,000 29.1%
Stanislaus	372,000	7,000 33.4%
Sutter	69,000	3,000 40.6%
Tulare	304,000	14,000 41.5%
Ventura	616,000	15,000 35.9%
Yolo	153,000	2,000 25.4%
Yuba	51,000	2,000 30.1%

Notes: Adults are age 18 and older. These are the congestive heart failure rates among adults who have been told they have heart disease.

Appendix G: High Blood Pressure Among Adults, by County, California, 2011 to 2012

	Total Adult Population	HIGH BLOOD PRESSURE Number / Percentage
California	27,796,000	7,574,000 27.2%
Alameda	1,158,000	324,000 28.0%
Alpine, Amador, Calaveras, Inyo, Mariposa, Mono, Tuolumne	145,000	45,000 31.0%
Butte	170,000	57,000 33.7%
Colusa, Glenn, Tehama	83,000	25,000 29.9%
Contra Costa	804,000	227,000 28.2%
Del Norte, Lassen, Modoc, Plumas, Sierra, Siskiyou, Trinity	109,000	39,000 36.2%
El Dorado	140,000	35,000 25.2%
Fresno	650,000	193,000 29.7%
Humboldt	104,000	28,000 27.5%
Imperial	114,000	31,000 27.2%
Kern	557,000	159,000 28.6%
Kings	95,000	29,000 30.8%
Lake	50,000	18,000 35.8%
Los Angeles	7,402,000	1,973,000 26.7%
Madera	100,000	30,000 30.0%
Marin	194,000	50,000 25.8%
Mendocino	67,000	19,000 27.9%
Merced	177,000	50,000 28.4%
Monterey	288,000	81,000 28.1%
Napa	102,000	35,000 34.1%
Nevada	79,000	20,000 25.2%

	Total Adult Population	HIGH BLOOD PRESSURE Number / Percentage
Orange	2,305,000	585,000 25.4%
Placer	272,000	74,000 27.4%
Riverside	1,589,000	482,000 30.3%
Sacramento	1,055,000	290,000 27.5%
San Benito	41,000	13,000 32.3%
San Bernardino	1,441,000	465,000 30.3%
San Diego	2,321,000	598,000 25.8%
San Francisco	679,000	139,000 20.5%
San Joaquin	486,000	165,000 34.0%
San Luis Obispo	202,000	50,000 24.9%
San Mateo	565,000	134,000 23.7%
Santa Barbara	311,000	71,000 22.8%
Santa Clara	1,362,000	306,000 22.4%
Santa Cruz	200,000	47,000 23.7%
Shasta	137,000	48,000 34.9%
Solano	304,000	103,000 34.0%
Sonoma	374,000	93,000 24.8%
Stanislaus	372,000	113,000 30.4%
Sutter	69,000	23,000 34.0%
Tulare	304,000	96,000 31.6%
Ventura	616,000	157,000 25.5%
Yolo	153,000	36,000 23.3%
Yuba	51,000	17,000 33.1%

Note: Adults are age 18 and older.

Appendix H: Serious Psychological Distress Among Adults, by County, California, 2011 to 2012

	Total Adult Population	SERIOUS PSYCHOLOGICAL DISTRESS Number / Percentage	
California	27,796,000	2,192,000	7.9 %
Alameda	1,157,000	89,000	7.7%
Alpine, Amador, Calaveras, Inyo, Mariposa, Mono, Tuolumne	144,000	17,000	11.5%
Butte [†]	169,000	20,000	11.7%
Colusa, Glenn, Tehama	82,000	8,000	10.1%
Contra Costa	801,000	79,000	9.9%
Del Norte, Lassen, Modoc, Plumas, Sierra, Siskiyou, Trinity	109,000	7,000	6.6%
El Dorado	140,000	8,000	5.5%
Fresno	648,000	61,000	9.4%
Humboldt	103,000	10,000	9.3%*
Imperial	114,000	10,000	9.0%
Kern	555,000	55,000	9.8%
Kings	95,000	7,000	7.0%*
Lake	50,000	6,000	11.1%*
Los Angeles	7,380,000	592,000	8.0%
Madera	100,000	12,000	12.5%
Marin	194,000	11,000	5.5%
Mendocino	67,000	4,000	5.5%
Merced	176,000	16,000	9.2%
Monterey	287,000	22,000	7.7%
Napa	102,000	11,000	11.0%*
Nevada	78,000	7,000	9.0%

	Total Adult Population	SERIOUS PSYCHOLOGICAL DISTRESS Number / Percentage	
Orange	2,294,000	139,000	6.1%
Placer	271,000	19,000	6.9%
Riverside	1,581,000	143,000	9.1%
Sacramento	1,054,000	95,000	9.0%
San Benito	41,000	3,000	8.1%*
San Bernardino	1,437,000	108,000	7.5%
San Diego	2,315,000	178,000	7.7%
San Francisco	676,000	42,000	6.2%
San Joaquin	484,000	43,000	8.9%
San Luis Obispo	201,000	9,000	4.5%
San Mateo	564,000	36,000	6.3%
Santa Barbara	311,000	31,000	9.9%
Santa Clara	1,358,000	75,000	5.5%
Santa Cruz	200,000	22,000	11.0%
Shasta	136,000	17,000	12.6%
Solano	304,000	32,000	10.5%
Sonoma	369,000	26,000	7.0%
Stanislaus	370,000	14,000	3.9%*
Sutter	69,000	5,000	7.7%
Tulare	303,000	34,000	11.4%
Ventura	614,000	55,000	9.0%
Yolo	153,000	8,000	5.1%
Yuba	51,000	6,000	11.9%

*Estimate is statistically unstable.

+Total population is 91,000 less than other total population figures because serious psychological distress was not asked of those individuals unable to personally respond due to their illness. Proxy respondents (i.e. knowledgeable adult household member) do not respond to information about mental health even though more objective questions (e.g. whether or not they have asthma, diabetes, high blood pressure, etc.) were asked of proxy.

Notes: Adults are age 18 and older. Serious Psychological Distress was self-reported during the past year and measured using the Kessler 6 scale. See complete definition on page 44.