





An Overview of the CHIS and CHIS Data Dissemination Tools

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Today's Webinar:

An overview of the CHIS

CHIS Data Dissemination Tools

How to use the AskCHIS system to access CHIS data

Data highlights from the 2020 CHIS

Discussion and Q&A (>15 minutes)





What Is CHIS?

- Nation's largest state health survey
- Most comprehensive source of health information on Californians
- Comprehensive range of health topics
 - Health Status
 - Health Conditions
 - Mental Health
 - Oral Health
 - Health Behaviors

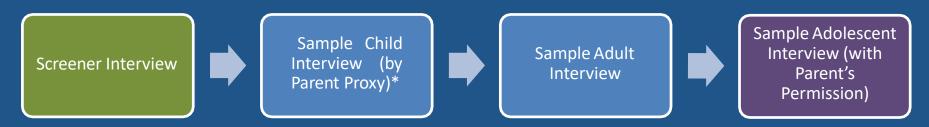
- Access to & Use of Health Care
- Health Insurance
- Employment
- Respondent Characteristics





CHIS Survey

- CHIS interviews
 - An adult (age 18+) in the household, adolescent (ages 12–17) if present, and child (ages 0–11) if present



*Completing the sample child interview first for all households is new for 2019

- CHIS conducted in multiple languages
 - English, Spanish, Chinese (both Cantonese and Mandarin dialects),
 Korean, Vietnamese, and Tagalog





CHIS 2019–2020 Data Collection Method for Adults: Address-Based Sampling with Web and Telephone Response

Phase 1: Push-to-Web



Phase 2: Telephone Nonresponse Follow-up







2020 Data Collection Results

CHIS 2020 RACIAL/ETHNIC GROUP SAMPLES BY AGE

	ADULT (Age 18+)	ADOLESCENT (Ages 12-17)	CHILD (Ages 0-11)
Total Sample Size	21,949	1,365	3,548
RACE*			
White	16,243	920	2,344
Asian	2,792	155	433
Native Hawaiian/Pacific Islander	54	7	14
African American	796	47	115
American Indian/Alaska Native	293	18	42
Other single race	995	71	161
Two or More Races	776	147	439
LATINO ETHNICITY			
Latino	4,317	446	1,267
Non-Latino	17,632	919	2,281

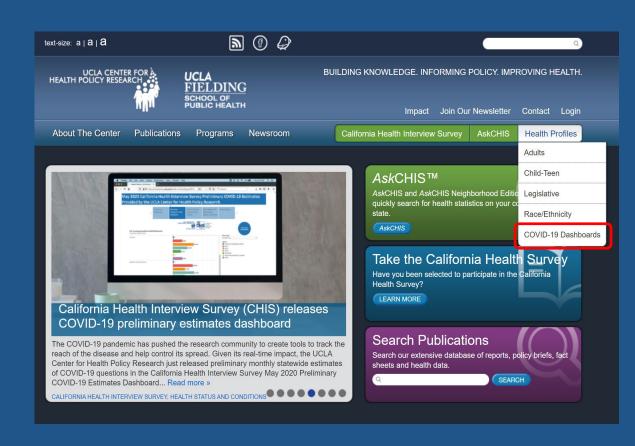
http://chis.ucla.edu/methodology





Using CHIS to Understand the COVID-19 Pandemic

- Multiple dashboards are available:
 - 2021 and 2020 CHIS COVID-19 Preliminary Monthly Estimates
 - Uses 2021 and 2020 CHIS data for new survey questions regarding the COVID-19 pandemic!
 - COVID-19 Rates and Risk Factors by California County dashboard
 - COVID-19 Rates and Risk Factors by California County data table
 - NHPI COVID-19 Data Policy Lab dashboard







CHIS Dissemination

CHIS DATA

Data Access Center (DAC)Secure network that ho

Secure network that holds data and analysis, protecting confidentiality.

Public Use File (PUF)

Available as free download in SAS, SPSS, and STATA format.

AskCHIS

Premier online health data query tool. (Health Data All-Star – 2013)

AskCHIS Neighborhood Edition and AskCHIS NE en Español

Granular health data beyond counties (Small Area Estimates).

Health Profiles

Reports on CHIS' most requested health topics.

HealthDATA — Data. Advocacy. Training. Assista Health data capacity building





Geographic Sample Design to Produce Direct Estimates for Each Sampling Stratum



- 56 total geographically defined strata
 - 3 grouped county strata containing the 17 smallest counties (by population)
 - 2 counties with sub-county strata
 - Los Angeles: 8 Service Planning Areas (SPAs)
 - San Diego: 6 Health Regions
 - Remaining 39 counties each form their own individual strata
 - Lower levels of geography require 2 years of data to produce modeled estimates





Data Across Geographies

AskCHIS

Now with **2020** CHIS data!

State

Counties (56 Sampling Strata)

Assembly

Senate

Congress

Cities

Zip Codes

Now Available: Census Tracts

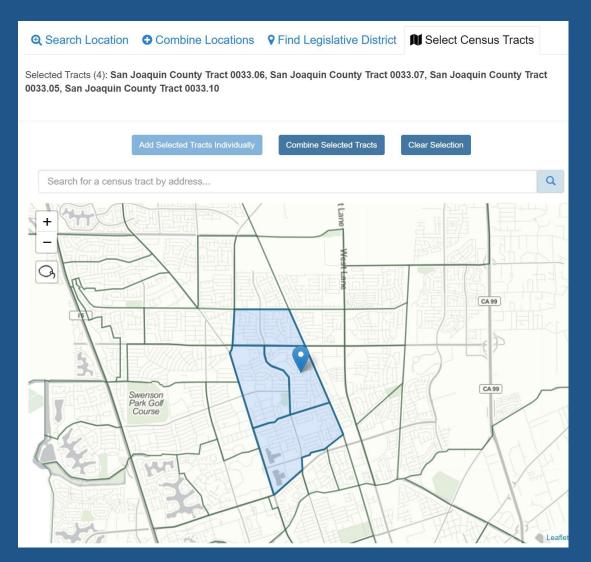
2019-2020 CHIS data coming in mid-2022

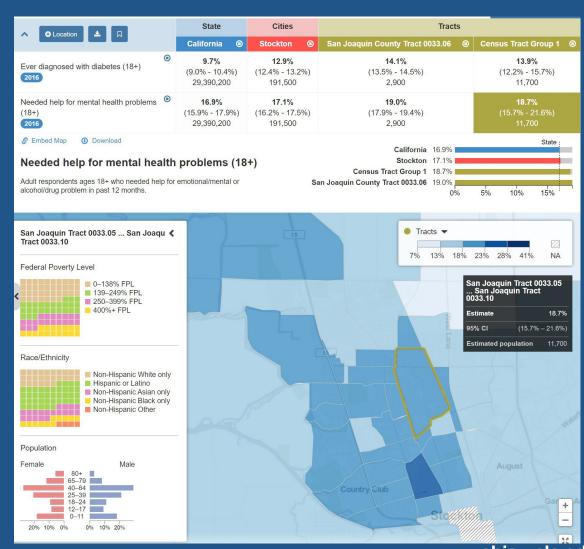
AskCHIS
Neighborhood
Edition
(Updated every two years)





Census Tract Estimates in AskCHIS Neighborhood Edition









Demonstration of How to Use AskCHIS to Create Custom Data Tables

- Access the system at ask.chis.ucla.edu
- Create a free account
- Go through the sequential steps below to create your custom data tables







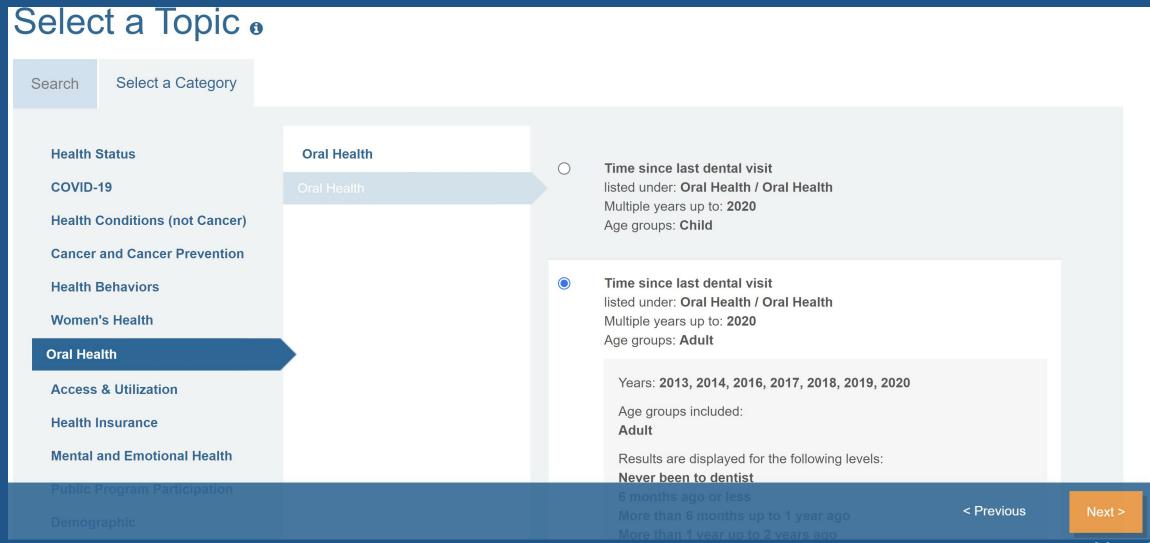
Select Your Geographic Area of Interest

Select a Geographic Area 6								
□ Search all of California								
Counties and Regions	Los Angeles County Service Plan Areas (SPA)	San Diego County Health Regions						
•								
■ Los Angeles Co	unty Service Plan Areas (SPA) View map of Los A	ngeles SPAs						
☐ Antelope Valle	эу	☐ West Area						
☐ San Fernando		✓ South						
☐ San Gabriel V	/alley	☐ East Area						
☐ Metro		☐ South Bay						





Select Your Topic and Indicator of Interest







Select Your Comparison Topic and Indicator (Optional)

Compare a Topic 6

Common Comparisons

Search

Select a Category

Health Status

COVID-19

Health Conditions (not Cancer)

Cancer and Cancer Prevention

Health Behaviors

Women's Health

Oral Health

Access & Utilization

Health Insurance

Mental and Emotional Health

Public Program Participation

Demographic

Age & Gender

Language

Race/Ethnicity

Family & Marital Status

Education

Employment

Income & Povert

Residency in US

Sexual Orientation & Gender

Identity

Poverty Level

listed under: Demographic / Income & Poverty

Multiple years up to: 2020
Age groups: Child Teen Adult

Years: 2001, 2003, 2005, 2007, 2009, 2011, 2012, 2013, 2014, 2015,

2016, 2017, 2018, 2019, 2020

Age groups included:

Child

Teen

Adult

Results are displayed for the following levels:

0-99% FPL 100-199% FPL 200-299% FPL

300% FPL and above

Service *

< Previous

Skip

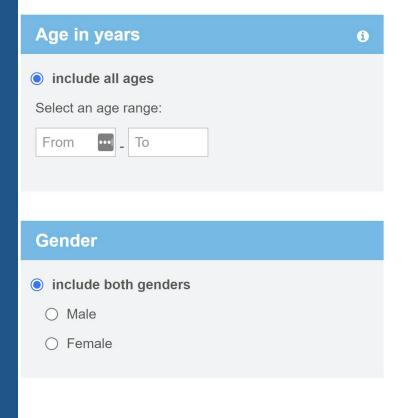
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Select Your Limiting Populations (Optional)

Limit Population •



Race - OMB/Department of Finance	6
○ include all races	
✓ Latino	
✓ Black or African American (non-latino)	
American-Indian/Alaska Native (non-latino)	
✓ Asian (non-latino)	
✓ Native Hawaiian/Pacific Islander (non-latino)	
✓ Two or More Races (non-latino)	







Consider Pooling or Collapsing to Increase Statistical Stability

Statistically Unstable

Your query result includes statistically unstable estimates (denoted by *). CHIS generally recommends against reporting or relying on estimates that are statistically unstable. To help stabilize estimates, you may combine two or more years of data and/or collapse levels:

- **Pooling years:** under the <u>Years</u> feature, select the years you want to combine followed by the Pool multi-year option.
- Collapsing topics: select the <u>Adjust Layout</u> drop down where you can collapse topic categories. When comparing by a second topic, the <u>Adjust Layout</u> drop down provides the option to collapse topics for either or both indicators using the <u>Collapse Topic</u> and <u>Collapse Compare Topic</u> features.

Please note, for dichotomous/binary variables with low or high values (i.e., below 10% or above 90%) it may be reasonable to report the estimate if the confidence interval range is acceptable to data users, e.g., reporting estimates with confidence limits within +/- 5%. Read more about this guideline here.

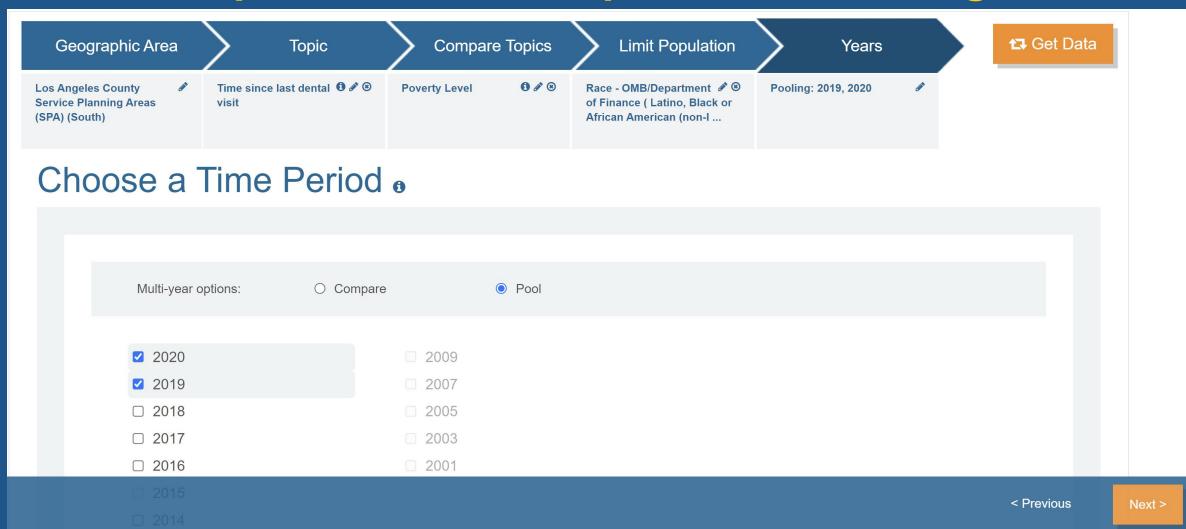
	Don't	show	me	the	warning	again	in	this	session.
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OK





Select Multiple Years for Comparison or Pooling







Get Data!

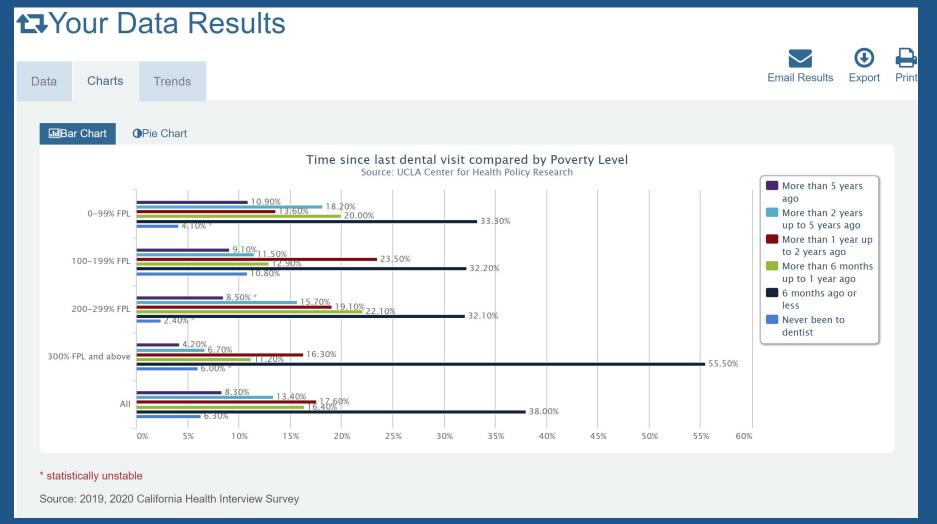
	Poverty Level						
Time since last dental visit	0-99% FPL \$	100-199% FPL \$	200-299% FPL \$	300% FPL and above ♦	All \$		
Never been to dentist	4.1% *	10.8%	2.4% *	6.0% *	6.3%		
	(1.4 - 6.8)	(6.3 - 15.2)	(0.0 - 5.4)	(0.0 - 15.0)	(3.8 - 8.7)		
	9,000	20,000	3,000	11,000	43,000		
6 months ago or less	33.3%	32.2%	32.1%	55.5%	38.0%		
	(24.9 - 41.6)	(23.3 - 41.0)	(20.3 - 43.9)	(46.1 - 65.0)	(33.2 - 42.8)		
	75,000	58,000	38,000	91,000	262,000		
More than 6 months up to 1 year ago	20.0%	12.9%	22.1%	11.2%	16.4%		
	(12.2 - 27.7)	(8.1 - 17.8)	(12.9 - 31.4)	(6.6 - 15.9)	(12.9 - 19.9)		
	45,000	23,000	26,000	19,000	113,000		
More than 1 year up to 2 years ago	13.6%	23.5%	19.1%	16.3%	17.6%		
	(6.7 - 20.5)	(14.4 - 32.7)	(10.2 - 28.1)	(8.4 - 24.1)	(13.4 - 21.8)		
	31,000	44,000	22,000	25,000	122,000		
More than 2 years up to 5 years ago	18.2%	11.5%	15.7%	6.7%	13.4%		
	(9.0 - 27.4)	(6.2 - 16.9)	(6.9 - 24.6)	(3.1 - 10.3)	(9.7 - 17.2)		
	41,000	21,000	19,000	12,000	93,000		
More than 5 years ago	10.9%	9.1%	8.5% *	4.2%	8.3%		
	(4.7 - 17.1)	(3.9 - 14.2)	(1.1 - 15.8)	(1.8 - 6.7)	(5.5 - 11.1)		
	25,000	16,000	9,000	7,000	57,000		
Total	100.0%	100.0%	100.0%	100.0%	100.0%		
	226,000	182,000	117,000	165,000	690,000		

^{*} statistically unstable





View Data in Bar Chart or Pie Chart Formats, or Pick a Response Category to View Trends Across Years







Export Data Table to Excel

_																
4	А	В	С	D	Е	F	G	Н	I	J	K	L	М	N	0	Р
1	Time since last dental visi	it compa	ared by	Poverty	Level											
2	Race - OMB/Department of Finance (Latino, Black or African American (non-latino), American-Indian/Alaska Native (non-latino), Asian (non-latino), Native Hawaiian/Pacific Islander (non-latino), Two or More Races (non-latino)															
3	Los Angeles County Service Planning Areas	(SPA) (South)														
4																
5	* = statistically unstable															
6																
7									Poverty	y Level						
8	Time since last dental visit		0-99% FPL			100-199% FPI			200-299% FP	L	30	0% FPL and ak	oove		All	
9	Time since last defical visit	%	95% CI	Population	%	95% CI	Population	%	95% CI	Population	%	95% CI	Population	%	95% CI	Population
10	Never been to dentist	4.1*	1.4 - 6.8	9,000	10.8%	6.3 - 15.2	20,000	2.4*	0 - 5.4	3,000	6.0*	0 - 15.0	11,000	6.3%	3.8 - 8.7	43,000
11	6 months ago or less	33.3%	24.9 - 41.6	75,000	32.2%	23.3 - 41.0	58,000	32.1%	20.3 - 43.9	38,000	55.5%	46.1 - 65.0	91,000	38.0%	33.2 - 42.8	262,000
12	More than 6 months up to 1 year ago	20.0%	12.2 - 27.7	45,000	12.9%	8.1 - 17.8	23,000	22.1%	12.9 - 31.4	26,000	11.2%	6.6 - 15.9	19,000	16.4%	12.9 - 19.9	113,000
13	More than 1 year up to 2 years ago	13.6%	6.7 - 20.5	31,000	23.5%	14.4 - 32.7	44,000	19.1%	10.2 - 28.1	22,000	16.3%	8.4 - 24.1	25,000	17.6%	13.4 - 21.8	122,000
14	More than 2 years up to 5 years ago	18.2%	9.0 - 27.4	41,000	11.5%	6.2 - 16.9	21,000	15.7%	6.9 - 24.6	19,000	6.7%	3.1 - 10.3	12,000	13.4%	9.7 - 17.2	93,000
15	More than 5 years ago	10.9%	4.7 - 17.1	25,000	9.1%	3.9 - 14.2	16,000	8.5*	1.1 - 15.8	9,000	4.2%	1.8 - 6.7	7,000	8.3%	5.5 - 11.1	57,000
16	Total	100.0%	-	226,000	100.0%		182,000	100.0%	-	117,000	100.0%	-	165,000	100.0%	-	690,000
17																
18																
19	Created on: 12/29/2021 2:49 PM															
20	Source: 2019, 2020 California Health Interv	iew Survey														
21																





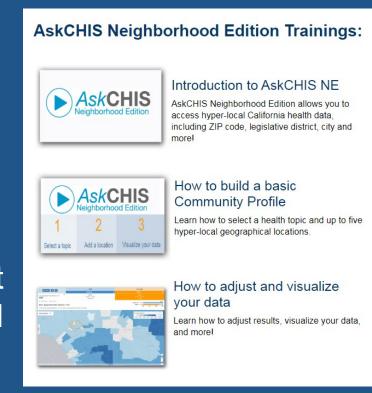
AskCHIS On-Demand Learning Center

Fast, free tutorials on how to use AskCHIS and AskCHIS Neighborhood Edition® http://chis.ucla.edu/CHIStraining

Brief: Digestible, 10-minute segments!

Simple: Designed for those who have no experience or those who want to brush up on their skills.

Available 24/7: You can get the help you need when and how you need it!



The tutorials cover:

- How to do a basic query
- Displaying data visually
- How to export your data in a variety of formats
- Confidence intervals, pooling, statistical stability, and much more!

chis.ucla.edu





HIGHLIGHTS FROM THE 2020 CHIS







Essential workers were more likely to have had or thought they had COVID-19, but less willing to receive the vaccine

Ever had or thought they had COVID-19



15.1% Essential workers



12.1%
Non-essential
workers

Would get the COVID-19 vaccine

73.6% Essential workers

76.7%
Non-essential workers

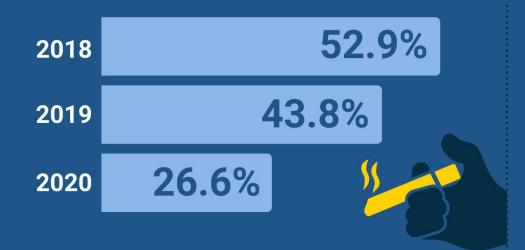








Does less socializing = less exposure to smoking and less tobacco use?



The percentage of adults who said they were exposed to secondhand smoke from tobacco products or vapor from e-cigarettes was cut in half compared to 2018.

	Flavored tobacco	E-cigarettes
2019	5.8%	4%
2020	4%	2.8%

Flavored tobacco, e-cigarette use in the past 30 days dropped by nearly one-third among adults.







Dental insurance and time since last dental visit

The proportion of adult respondents with dental insurance significantly increased from 2019 to 2020.

	2019	2020
Insured	68.1%	70.4%
Not insured	31.9%	29.6%

Adults

Time since last dental visit significantly increased from 2019 to 2020 for both adults and teens.

Time since last dental visit	2019	2020
Up to 1 year	69.7%	67.2%
More than 1 year or never visited	30.3%	32.8%

 2019
 2020

 93.4%
 88.9%

 6.6%
 11.1%

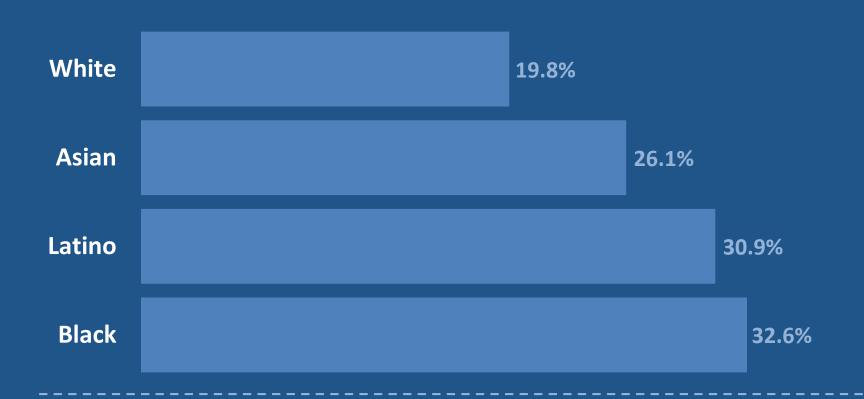
Teens







Race/ethnicity and fair or poor condition of teeth



The proportion of Asian, Latino, and Black adults who reported only fair or poor teeth condition was significantly higher than among White adults.







Obesity by race/ethnicity and poverty level

	Latino	White	Black	Asian
Underweight/Normal	28.5%	42.3%	24.7%	58.5%
Overweight/Obese	71.5%	57.7%	75.3%	41.5%

The proportion of overweight/obese population is significantly higher among Latino and Black adults than White and Asian adults.

The proportion of overweight/obese population is significantly higher among adults in 0-199% Federal Poverty Level (FPL) than 200% FPL and above.

	0-199% FPL	200% FPL and above
Underweight/Normal	31.7%	40.6%
Overweight/Obese	68.3%	59.4%







Healthy changes in adolescent behaviors during 2020

Adolescents age 12-17 were less likely to engage in binge drinking in the past month

7% in 2019

2.6% in 2020



Adolescents age 12-17 were more likely to eat 5+ servings of fruit and vegetables daily

26.1% in 2019

33.3% in 2020









Unhealthy changes in adolescent behaviors during 2020

The percentage of children and adolescents age 2-17 who spent 5+ hours on sedentary activities on typical weekend days increased.



35.4% 40.8% in 2019 in 2020



The percentage of adolescents age 12-17 who reported "almost constantly" being on the internet also rose.

28.6%

in 2019

43.2%

in 2020

51% jump in adolescents who are "almost constantly" online

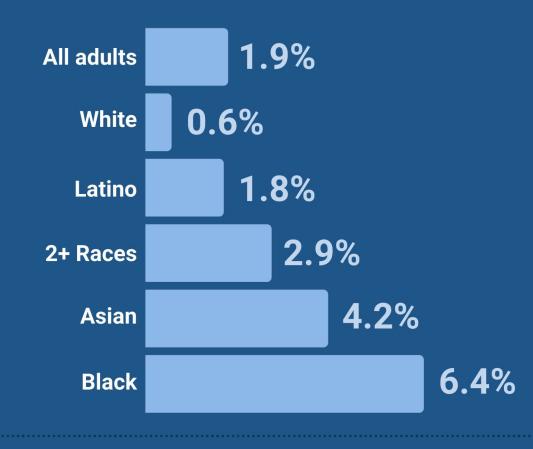








Race/ethnicity and unfair treatment during the pandemic*



The proportion of Black and Asian adults who reported unfair treatment because of race/ethnicity during the COVID-19 pandemic was much higher than among other racial/ethnic groups.

Source: 2020 California Health Interview Survey

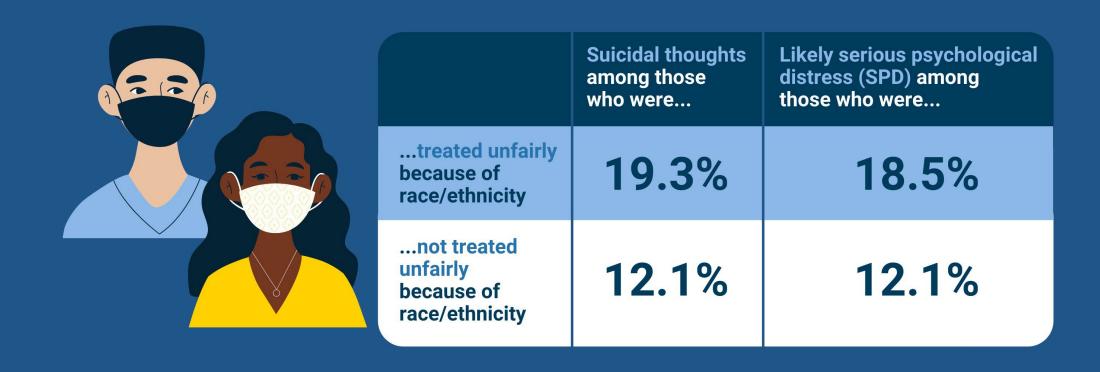
*Insufficient data for American Indians, Alaska Natives, Native Hawaiians, and Pacific Islanders







Mental health distress among those treated unfairly during the pandemic due to their race/ethnicity









Economic challenges during pandemic led to increased household conflict

Households reporting an increase in interpersonal conflict during COVID-19 among adults who had



Difficulty paying for basic necessities

22.9%

No difficulty paying for basic necessities 11.9%



Lost a job during COVID-19

19.3%

Did not lose a job during COVID-19

13.9%





Doctor visits and routine check-ups in the past 12 months were significantly affected during COVID-19 pandemic

67.9%

of California adults had a preventive visit in 2020, compared to 71.1% in 2019, the **lowest** estimate since 2013









COVID-19 as a barrier to care

Percentage who cited COVID-19 as a reason for forgoing care in 2020, by age group.

21.6% All ages Children/adolescents 20% (0-17)**Adults** 18-64 **Older adults** 44.2% (65+)

More than 1 in 5

Californians who delayed or had forgone medical care in 2020 cited COVID-19 as the main reason.

> Older adults ages 65+ were nearly

2 1/2

times more likely than adults ages 18-64 to delay or forgo care.









Cost of medical care and lack of insurance were major barriers to accessing care

Main Reasons for Delaying or Forgoing Necessary Medical Care in California by Race/ Ethnicity, 2020

	Latino	White (NL)	Black or African American (NL)	Asian (NL)	Two or More Races (NL)
Cost, lack of insurance, or other insurance-related reasons	40.0%	28.1%	31.9%	30.0%	28.4%
Health care system/provider issues and barriers	19.4%	16.9%	20.2%	20.0%	30.3%
Personal reasons	27.1%	26.8%	18.3%	28.6%	27.9%
COVID-19	13.5%	28.2%	29.6%	21.5%	13.4%

Note: NL = Non-Latino

Sources: 2020 California Health Interview Surveys.

40%

of Latinos in California cited cost, lack of insurance, and or other insurance-related issues as the main reason for delaying or forgoing necessary medical care in 2020, compared to 28.1% of white people





Adults with greater poverty were more likely to have been diagnosed with certain chronic conditions

Ever diagnosed with diabetes

14.6%

0 - 199% FPL

9.4%

200% FPL and above

Ever diagnosed with high blood pressure (borderline not included)

28.0%

0 – 199% FPL

23.9%

200% FPL and above









Discussion/Q&A