





The Center's 2021 Health Policy Seminar Series:

CHIS 2020 Data Release

Ninez A. Ponce
CHIS Principal Investigator
and UCLA CHPR Director

Todd R. Hughes
CHIS Director

Sean J. TanSenior Public Administration
Analyst

September 22, 2021





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2021 E.R. Brown Virtual Symposium

OPENING DOORS FOR ALL: IMPROVING HEALTH IN HOUSING AND HOMELESSNESS

Monday, October 4, and Tuesday, October 5, 2021 9:30 a.m. - 1 p.m. PT | Zoom

Register for the symposium: https://ucla.in/35UQAPT







Upcoming Events

National Network of Health Surveys

Addressing Health Equity through Data Disaggregation Workshop Series

Imputation Strategies for Racial/Ethnic Data Disaggregation

Friday, October 8, 2021 | 10:30 a.m. – Noon PT

Marc Elliott, PhD
Senior Principal Researcher and
Distinguished Chair in Statistics
RAND Corporation





CHIS 2020 Data Release

Ninez A. Ponce, CHIS Principal Investigator, UCLA CHPR Director

Todd R. Hughes, CHIS Director

September 22, 2021





Could the CHIS 2020 Successfully Continue During a Pandemic, Unlike Many Large Household Surveys?

Can we continue to print and mail our survey invitations?

Can we implement secure remote access for UCLA CHIS staff to process data?

Will the telephone interviewers be able to work remotely?

Will respondents participate during a pandemic?





Could the CHIS 2020 Successfully Continue During a Pandemic, Unlike Many Large Household Surveys?

Can we continue to print and mail our survey invitations

Can we implement secure remote accelerate for UCLA CHIS staff to process data?

Yes!

...and with an earlier annual release and preliminary monthly estimates! (AJPH article forthcoming)

Will the telephone nterviewers be able to work remotely?

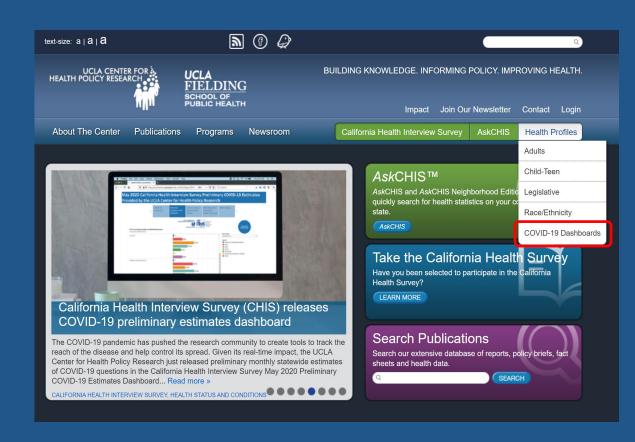
Will respondents rticipate during a pandemic?





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







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





California Health Interview Survey (CHIS)

- California's assessment tool to meet state and local needs for population-based health data
 - Policy analysis, development, and advocacy
 - Service and program planning
 - Research
- CHIS is a collaborative project, funded by federal and state health agencies, California and national foundations, and others

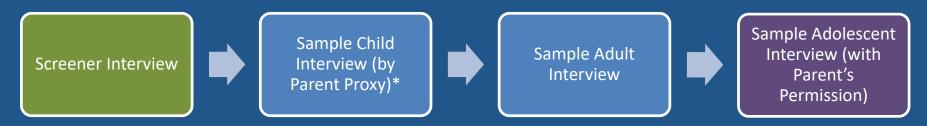
(See healthpolicy.ucla.edu/chis/about)





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





2020 Data Collection Results

CHIS 2020 RACIAL/ETHNIC GROUP SAMPLES BY AGE

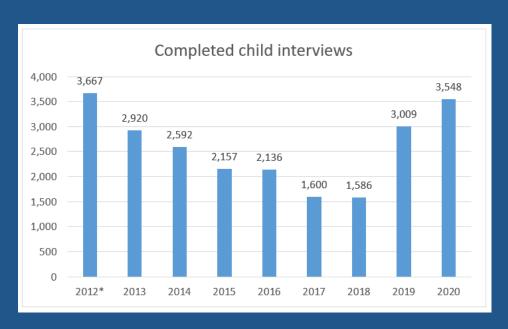
	ADULT (Age 18+)	ADOLESCENT (Ages 12-17)	CHILD (Ages 0-11)
Total Sample Size	21,949	1,365	3,548
RACE*			
White	16,243	920	2,344
Asian	2,792	155	433
Native Hawaiian/Pacific Islander	54	7	14
African American	796	47	115
American Indian/Alaska Native	293	18	42
Other single race	995	71	161
Two or More Races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

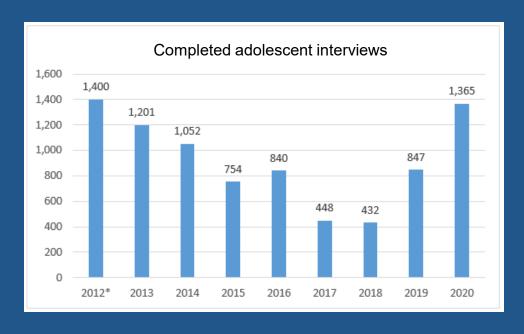
http://chis.ucla.edu/methodology





Innovative Methods to Increase Child and Adolescent Interviews





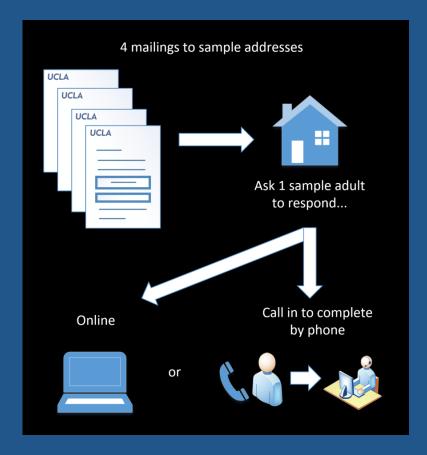
CHIS 2020 demonstrated continued increases in child and adolescent interviews, due to methodological innovations implemented in 2019 and the stay-at-home orders in 2020.





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







Understanding the Impact of the 2019 CHIS Redesign on Trends Through 2020

- Changes observed in 2019–2020 CHIS data may be due to:
 - Actual changes in the population over time
 - Sample composition changes due to sampling frame/mode
 - Measurement changes for the web mode vs. telephone
- Based on evaluations conducted, CHIS feels assured that data users will be able to trend most variables
- When there are unanticipated shifts in trend, we encourage data users to interpret trends with caution
- See the full report by Brian Wells and Jiangzhou Fu at: http://chis.ucla.edu/methodology



CHIS Working Paper Series

CHIS 2019-2020 Redesign: Rationale, Empirical Evaluation, and Trends

Brian M. Wells and Jiangzhou Fu, UCLA Center for Health Policy Research

September 2021







Improved 2020 Weighting and Re-release of 2019 CHIS data

- Enhancements for 2020 CHIS weighting:
 - Separation of "South Asian, not Hispanic" from "Other Asian, not Hispanic" in weighting
 - Improvements to child sampling probabilities and jackknife replicate weighting
- The 2019 CHIS data are being revised to include these enhancements:
 - 2020 CHIS weighting improvements described above
 - Revised set of 2019 population estimates from the California Department of Finance which most significantly impacts counts for American Indian/Alaska Native, Native Hawaiian/Pacific Islander, and Multi-race groups
- Today's release of 2020 CHIS data is accompanied by a re-release of 2019 CHIS data in AskCHIS, as well as revised 2019 Public Use Files





Highlights from the 2020 CHIS

Todd R. Hughes
CHIS Director







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

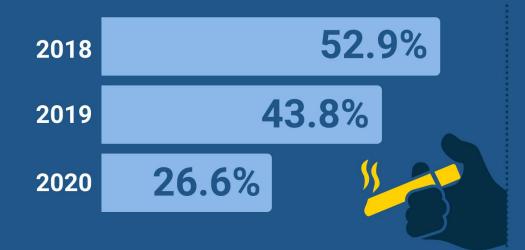








Does less socializing = less exposure to smoking and less tobacco use?



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.







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









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

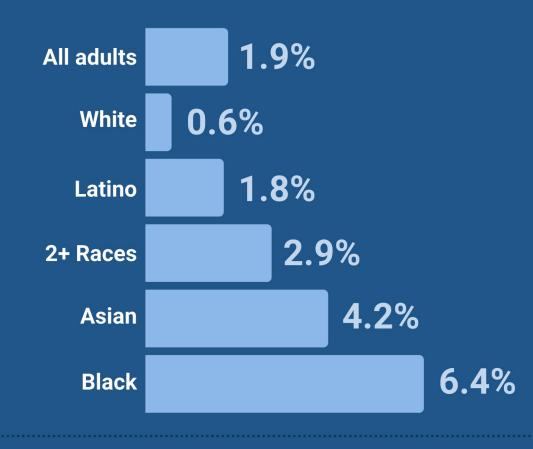








Race/ethnicity and unfair treatment during the pandemic*



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

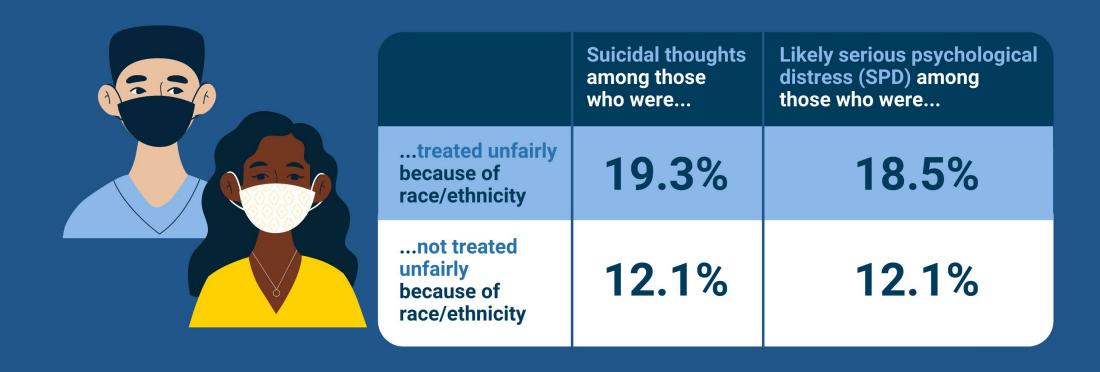
*Insufficient data for American Indians, Alaska Natives, Native Hawaiians, and Pacific Islanders







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%





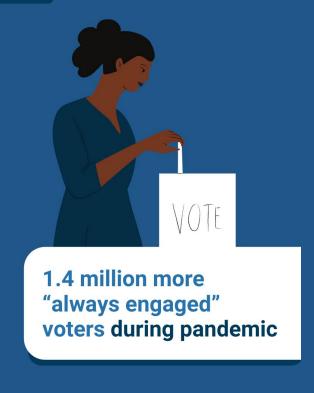


La Voter engagement up during a pandemic election year

Percentage of voters in national, state, and local elections



	2019	2020
Always engaged	46.2%	51.3%
Frequently engaged	16.1%	14.3%
Sometimes engaged	27.5%	25.7%
Never engaged	10.2%	8.7%





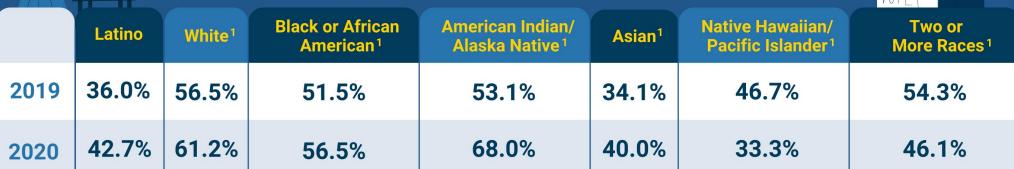




Voter engagement up during a pandemic election year



Percentage of "always engaged" voters in national, state, and local elections





More engaged voters across nearly all racial/ethnic groups





What's New in the 2019–2020 CHIS?

California Health Interview Survey

What's New and Notable in CHIS 2019-2020

This document describes new and notable design features and data collected in California Health Interview Survey (CHIS) 2019-2020. CHIS data users should review the information below and detailed online documentation before analyzing or reporting CHIS data. For more details on CHIS methods, please visit the CHIS Methodology page.

Sampling & Data Collection Redesign

CHIS has employed random-digit-dial sampling and telephone interviewing since its inception, but industry declines in telephone interview response rates, along with cultural shifts in telephone usage, motivated exploring alternative sampling and data collection methodologies for CHIS moving forward.

Following extensive experimentation and research, CHIS transitioned to a mixed-mode survey (web and telephone) using a random

New and Updated Survey Questions

Survey questions are added, removed, and modified in each two-year cycle of CHIS to meet stakeholders' needs and monitor emerging public health concerns. Questions are removed from the interview to reduce its length and save data collection costs when topics are no longer relevant for public health surveillance, or when sponsor funding is no longer available. Most CHIS questions remain in the interview across multiple CHIS cycles. For CHIS 2019-2020 approximately 80% of the content continued from CHIS 2018. Occasionally, changes to question wording are made based on methodological evaluations or when user feedback strongly suggests that

Continued...

Noteworthy Additions to CHIS 2019-2020

New Adult Questionnaire Topics in 2019-2020

New Adult Questionnaire Topics in 2020

- Coronavirus (COVID-19) symptoms, testing, and impacts on work and family
- Planned Parenthood utilization

New Adolescent Questionnaire Topics in 2020

Attitudes towards voting

http://chis.ucla.edu/methodology



California reached health coverage milestone with 94% of people insured in 2020, but access to care remains a challenge during the COVID-19 pandemic

Sean J. Tan
Senior Public Administration Analyst





Funder Acknowledgment

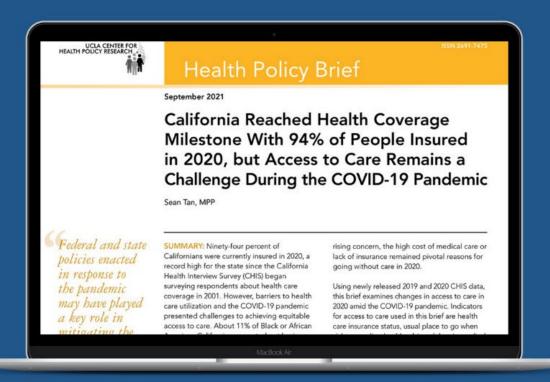






Policy Brief and Infographic

30











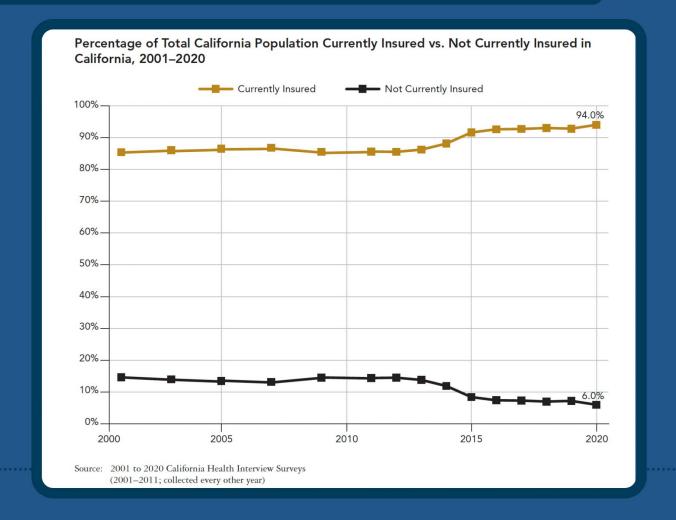
California reaches health insurance coverage milestone



94%

of Californians were currently insured in 2020, a record high for the state since CHIS began surveying respondents about health care coverage in 2001









More Black and African American Californians did not have a usual place to go when sick or needing health advice in 2020

More than 1 0 (11%) Black or African American Californians reported not having a usual source of care, despite 88.2% having health insurance.

26% children (0-17)

66.8% adults (18-64)

3.7% older adults (65+)



91.7%

lived in urban areas





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









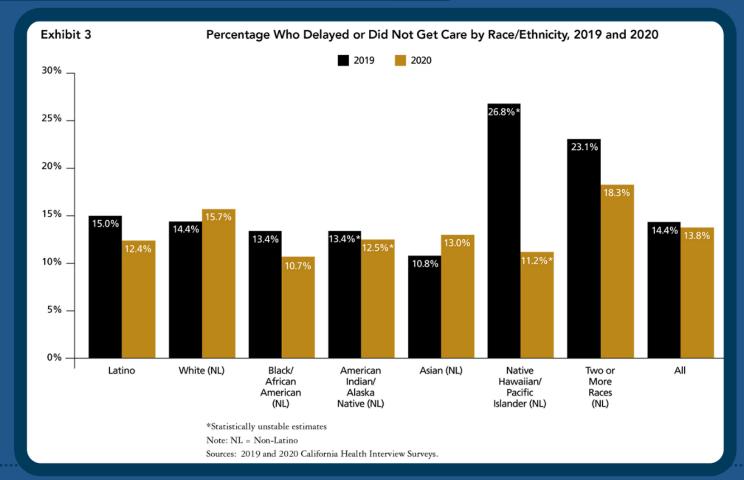
Delayed receiving medical care

About

13.8%

of Californians had delayed or did not get the care in the past 12 months when surveyed in 2020.

Of those who delayed care, more than half (59.5%) had forgone care or had not eventually gotten the medical care they felt they needed.







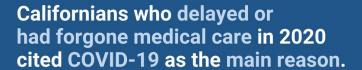


© COVID-19 as a barrier to care

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



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





How to Access CHIS Data

Ninez A. Ponce
CHIS Principal Investigator and UCLA CHPR Director





What Are the CHIS Dissemination Aims?

- 1. Protect respondent confidentiality
- 2. Democratize access to data put data into the hands of those who can use it
- 3. Reach a large and diverse audience across divides of technology, skills, and resources





CHIS Dissemination

CHIS DATA

Health data capacity building HealthDATA

Data Access Center (DAC)

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.





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 (Sampling Strata)

Assembly

Senate

Congress

Cities

Zip Codes

Now Available: Census Tracts

2019-2020 CHIS data coming in mid-2022

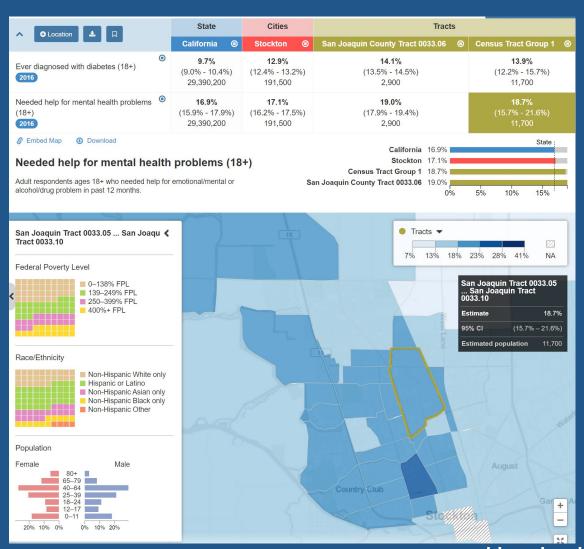
AskCHIS
Neighborhood
Edition
(Updated every two years)





Census Tract Estimates in AskCHIS Neighborhood Edition









AskCHIS On-Demand Learning Center

Fast, free tutorials on how to use *Ask*CHIS and *Ask*CHIS 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!





Please visit us at chis.ucla.edu

Special thanks to our data collection partner SSRS, our content partner PHI, the members of our Advisory Board and committees, and the rest of the UCLA CHPR CHIS team:

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Questions?