The Center’s 2019 Health Policy Seminar Series:

CHIS 2018 Data Release

Ninez A. Ponce, CHIS Principal Investigator, CHPR Director
Todd Hughes, CHIS Director

October 24, 2019
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THE CALIFORNIA HEALTH INTERVIEW SURVEY (CHIS)

CHIS 2018 Data Release

Ninez A. Ponce, CHIS Principal Investigator, CHPR Director
Todd Hughes, CHIS Director

October 24, 2019
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/Pages/funds.aspx)
CHIS Main Objectives

- Provide Health and Health-Related Estimates:
  1. at local-level for counties, cities with health departments, and statewide
  2. for California’s major racial/ethnic groups and (if possible) some smaller ethnic groups
  3. disseminate to wide audiences
CHIS Survey

- Computer-Assisted Telephone Interview (CATI)
- CHIS interviews
  - An adult (age 18+) in the household, adolescent (age 12-17) if present, and child (age 0-11) if present
- CHIS conducted in multiple languages
  - English, Spanish, Chinese in both Cantonese and Mandarin dialects, Korean, Vietnamese, and Tagalog
- Translations available on CHIS website
  (http://healthpolicy.ucla.edu/chis/design/Pages/Questionnaires%20(Translated).aspx)
# 2018 Data Collection Results

## CHIS 2018 Racial/Ethnic Group Samples by Age

<table>
<thead>
<tr>
<th></th>
<th>ADULT (Age 18+)</th>
<th>ADOLESCENT (Ages 12-17)</th>
<th>CHILD (Ages 0-11)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Sample Size</td>
<td>21,177</td>
<td>432</td>
<td>1,586</td>
</tr>
<tr>
<td><strong>Race</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>15,009</td>
<td>275</td>
<td>992</td>
</tr>
<tr>
<td>Asian</td>
<td>1,914</td>
<td>40</td>
<td>131</td>
</tr>
<tr>
<td>Native Hawaiian/Pacific Islander</td>
<td>107</td>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>African American</td>
<td>1,254</td>
<td>21</td>
<td>96</td>
</tr>
<tr>
<td>American Indian/Alaska Native</td>
<td>752</td>
<td>22</td>
<td>64</td>
</tr>
<tr>
<td>Other single race</td>
<td>1,295</td>
<td>22</td>
<td>102</td>
</tr>
<tr>
<td>Two or More Races</td>
<td>846</td>
<td>46</td>
<td>191</td>
</tr>
<tr>
<td><strong>Latino Ethnicity</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Latino</td>
<td>4,709</td>
<td>148</td>
<td>647</td>
</tr>
<tr>
<td>Non-Latino</td>
<td>16,468</td>
<td>284</td>
<td>939</td>
</tr>
</tbody>
</table>
What’s New in the 2018 CHIS?

NEW ADULT QUESTIONS
- Non-cigarette tobacco use
- Tobacco product and e-cigarette flavors
- Secondhand smoke exposure and rules about smoking/vaping
- Well-being scale

NEW (REINSTATED) TEEN QUESTIONS
- Condition of teeth and missed school due to dental problems

Note: These items are all available in all CHIS data products including Public Use Files (PUFs)
What’s New in the 2017-2018 CHIS?

California Health Interview Survey

What's New and Notable in CHIS 2017-2018

This document describes new and notable design features and data collected in CHIS 2017-2018. CHIS data users should review the information below and detailed online documentation before analyzing or reporting CHIS data. For more documentation on CHIS methods, please visit http://healthpolicy.ucla.edu/chis/design/Pages/methodology.aspx

New Vendor
As the result of a competitive bidding process, SSRS conducted the CHIS 2017-2018 data collection under contract with the UCLA Center for Health Policy Research.

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.

Data Collection Timeline
CHIS 2017-2018 data were collected between June 2017 and January 2019. Approximately half of adult interviews were conducted from landline phone numbers and half from cell phone numbers.

Noteworthy Additions to CHIS 2017-2018

http://healthpolicy.ucla.edu/chis/design/Pages/methodology.aspx
CHIS Data Provide Insights on ACA


- Many more publications can be found at healthpolicy.ucla.edu
Fewer Californians under age 65 lacked insurance in 2018

2013: 15.5%
2018: 8.1%

Source: 2013 and 2018 California Health Interview Survey
Uninsured rate among All Nonelderly Persons, Ages 0 - 64, California, 2011-2018

16.2% 16.3% 15.5% 13.6% 9.5% 8.5% 8.5% 8.1%

Sources: 2011 – 2018 California Health Interview Surveys, Becker, Ponce, 2019

† Estimate differs significantly from previous year at p<0.05.
* Estimate differs significantly from 2013 at p<0.05.
Medi-Cal and Uninsured rates among All Nonelderly Persons, Ages 0 - 64, California, 2011-2018

† Estimate differs significantly from previous year at p<0.05.
* Estimate differs significantly from 2013 at p<0.05.

Sources: 2011 – 2018 California Health Interview Surveys, Becker, Ponce, 2019
ESI, Medi-Cal and Uninsured rates among All Nonelderly Persons, Ages 0 - 64, California, 2011-2018

† Estimate differs significantly from previous year at p<0.05.
* Estimate differs significantly from 2013 at p<0.05.
Sources: 2011 – 2018 California Health Interview Surveys, Becker, Ponce, 2019
Private Purchase, ESI, Medi-Cal and Uninsured rates among All Nonelderly Persons, Ages 0-64, California, 2011-2018

† Estimate differs significantly from previous year at p<0.05.
* Estimate differs significantly from 2013 at p<0.05.

Sources: 2011 – 2018 California Health Interview Surveys, Becker, Ponce, 2019
Current Health Insurance Coverage among All Nonelderly Persons, Ages 0 - 64, California, 2011-2018

† Estimate differs significantly from previous year at p<0.05.
* Estimate differs significantly from 2013 at p<0.05.

Sources: 2011 – 2018 California Health Interview Surveys, Becker, Ponce, 2019
Current Health Insurance Coverage by Race/Ethnicity among All Nonelderly Persons, Ages 0 - 64, California, 2013-2018

Note: Other races not included because of small sample.
Current Health Insurance Coverage by Income among All Nonelderly Persons, Ages 0-64, California, 2013-2018

Percent Uninsured among Californians Ages 0-64

Sources: 2011 – 2018 California Health Interview Surveys, Becker, Ponce, 2019
# Selected Mental Health Indicators for Adults in California, 2016-2018

<table>
<thead>
<tr>
<th>Percent of adults that…</th>
<th>All Adults 18+</th>
<th>Adults Age 18-24</th>
</tr>
</thead>
<tbody>
<tr>
<td>...likely had psychological distress in the last year</td>
<td>2016</td>
<td>2017</td>
</tr>
<tr>
<td></td>
<td>8.0</td>
<td>10.0*</td>
</tr>
<tr>
<td>...needed help for emotional/mental or alcohol/drug problem in the last year</td>
<td>16.4</td>
<td>18.5*</td>
</tr>
<tr>
<td>...saw any healthcare provider for emotional/mental or alcohol/drug problem in the last year</td>
<td>13.4</td>
<td>15.2</td>
</tr>
<tr>
<td>...ever seriously thought of committing suicide</td>
<td>9.3</td>
<td>11.6*</td>
</tr>
</tbody>
</table>

*Statistically significant increase vs. previous year

Sources: 2016 – 2018 California Health Interview Surveys
More adults are using pot and using it more often

Calif. adults who have ever used pot

Source: 2017-2018 California Health Interview Survey

Of those who ever used pot, used within the past month

Source: 2018 California Health Interview Survey
## Percent of Adults Age 18+ that Have Used Marijuana in Past 30 Days by California County, 2018

### Top 10 Counties

<table>
<thead>
<tr>
<th>County</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>INYO</td>
<td>42.0</td>
</tr>
<tr>
<td>SAN BENITO</td>
<td>40.6</td>
</tr>
<tr>
<td>HUMBOLDT</td>
<td>36.9</td>
</tr>
<tr>
<td>TUOLUMNE</td>
<td>36.9</td>
</tr>
<tr>
<td>CALAVERAS</td>
<td>34.5</td>
</tr>
<tr>
<td>SANTA CRUZ</td>
<td>34.4</td>
</tr>
<tr>
<td>MENDOCINO</td>
<td>33.1</td>
</tr>
<tr>
<td>YOLO</td>
<td>31.6</td>
</tr>
<tr>
<td>SAN FRANCISCO</td>
<td>30.2</td>
</tr>
<tr>
<td>PLUMAS</td>
<td>29.9</td>
</tr>
</tbody>
</table>

### Bottom 10 Counties

<table>
<thead>
<tr>
<th>County</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMPERIAL</td>
<td>8.5</td>
</tr>
<tr>
<td>TULARE</td>
<td>8.6</td>
</tr>
<tr>
<td>TEHAMA</td>
<td>12.5</td>
</tr>
<tr>
<td>SANTA CLARA</td>
<td>12.8</td>
</tr>
<tr>
<td>SAN BERNARDINO</td>
<td>13.4</td>
</tr>
<tr>
<td>MADERA</td>
<td>13.9</td>
</tr>
<tr>
<td>SANTA BARBARA</td>
<td>13.9</td>
</tr>
<tr>
<td>ORANGE</td>
<td>14.3</td>
</tr>
<tr>
<td>DEL NORTE</td>
<td>14.3</td>
</tr>
<tr>
<td>KINGS</td>
<td>14.8</td>
</tr>
</tbody>
</table>

Source: 2018 California Health Interview Survey
Preferred delivery modes* among young adults currently using pot

Among Californians ages 18-25

- VAPOR: 46.4%
- JOINT/BONG/PIPE: 81%
- BLUNT: 43.1%
- EDIBLES: 33.3%
- DAB: 22.9%

*Multiple modes can be chosen
Source: 2018 California Health Interview Survey
Preferred delivery modes* among California's teens currently using pot

- VAPOR: 38.9%
- JOINT/BONG/PIPE: 55%
- BLUNT: 56.3%
- EDIBLES: 32.3%
- DAB: 26.5%

*Multiple modes can be chosen
Source: 2018 California Health Interview Survey
1.2 million Californians ages 18-25 used marijuana in past 30 days

6% Some of their marijuana use medically recommended

22% All of their marijuana use medically recommended

72% None of their marijuana use medically recommended

Source: 2018 California Health Interview Survey
Percentage of young adult e-cigarette users jumped
Current vapers in California in 2018, ages 18-25

Source: 2014-2018 California Health Interview Survey
California's adult tobacco chewers & vapers prefer flavored products

1 in 2 who "chew" use flavored tobacco (50.5%)
7 in 10 vapers use flavored e-cigs (71.9%)

Source: 2018 California Health Interview Survey
Current and Expected Quality of Life, and Financial Quality of Life for Adults in California by Age, 2018

Source: 2018 California Health Interview Survey
Current and Expected Quality of Life, and Financial Quality of Life for Adults in California by Income, 2018
Current and Expected Quality of Life, and Financial Quality of Life for Adults in California by Race/Ethnicity, 2018

Source: 2018 California Health Interview Survey
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**

- **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**
  Premiere 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.
Data Across Geographies

- State
- Counties
- Assembly
- Senate
- Congress
- Cities
- Zip Codes

Coming soon: Census Tracts

AskCHIS
Now with 2018 CHIS data!

AskCHIS Neighborhood Edition
(by geographic area only)

Now with 2016 CHIS data!
# THE CALIFORNIA HEALTH INTERVIEW SURVEY (CHIS)

## Delayed Prescriptions/Medical Services (18+)

<table>
<thead>
<tr>
<th>Location</th>
<th>California</th>
<th>Los Angeles County</th>
<th>90024</th>
<th>90024 &amp; 1 more</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>16.3%</td>
<td>16.7%</td>
<td>21.8%</td>
<td>21.5%</td>
</tr>
<tr>
<td></td>
<td>(18.4% - 30.2%)</td>
<td>(19.6% - 24.9%)</td>
<td>(17.0% - 25.9%)</td>
<td>(8.8%)</td>
</tr>
</tbody>
</table>

*Adults ages 18+ delayed or not getting needed prescription drugs or medical services past 12 months.*

**Map: Zip Codes**

- **Federal Poverty Level**
  - 0 - 138% FPL
  - 139 - 241% FPL
  - 242 - 383% FPL
  - 403% FPL

- **Race/Ethnicity**
  - Non-Hispanic White only
  - Hispanic or Latino
  - Non-Hispanic Black only
  - Non-Hispanic Other

- **Population**
  - Female
  - Male

- **Health Indicators**
  - Asthma
  - Delay in receiving care
  - Dental visits
  - Diabetes
  - Flu vaccine
  - Food insecurity
  - Health status
  - Heart disease
  - Mental Health
  - Obesity/Overweight
  - Physical activity
  - Smoking
  - Sickle Cells
  - Uninsured

## Data Source

- [www.chis.ucla.edu](http://www.chis.ucla.edu)

## Additional Notes

- The data presented in this map is from the California Health Interview Survey (CHIS) conducted by the UCLA Center for Health Interview Survey (CHIS) and funded by the California HealthCare Foundation and the National Institutes of Health (NIH).

- The map visualizes various health indicators across different geographic locations in California, including delayed prescriptions and medical services, federal poverty levels, race/ethnicity, and population demographics.
AskCHIS On-Demand Learning Center

Fast, free tutorials on how to use AskCHIS and AskCHIS Neighborhood Edition©

http://healthpolicy.ucla.edu/chis/Pages/CHISTraining.aspx

**Brief:** Presented in digestible, 10-minute segments!

**Simple:** Designed for those who have no experience with doing a query as well as those who want to brush up on their search skills.

**Available 24/7:** These pre-recorded tutorials mean 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 (Excel, email, etc.)
- Confidence intervals, pooling, statistical stability and much more!
Public Use Files (PUFs) for One or Two Years

**One Year (2018) CHIS PUF**
- Available for download now!
- Free!
- Available as in SAS, SPSS, and STATA format
- Record-level data to use in conducting your own analysis, with reduced detailed information and removal of sensitive questions to protect confidentiality

**Two Year (2017-2018) CHIS PUF**
- Available in January 2020
- Free!
- Available as in SAS, SPSS, and STATA format
- Record-level data to use in conducting your own analysis, with reduced detailed information and removal of sensitive questions to protect confidentiality
- Less aggregation of response data (such as more detailed race categories) to enable more powerful analysis!
- Requires a brief, one-page application explaining use of planned analysis and requestor’s contact information
Please visit us @ www.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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