Introduction

First introduced in the California Tobacco Facts and Figures 2021 report, the California Tobacco Control Program tracks 17 tobacco-related disparity indicators (Table 1) to highlight California’s progress made since the implementation of Proposition 56 in 2016 to accelerate the decline in tobacco-related disparities. This dashboard is an extension of data found in the Facts and Figures 2021 report, providing updates to the single-year rates for each of the 17 indicators.

The main data sources used for this dashboard includes the California Health Interview Survey (CHIS), the California Student Tobacco Survey (CSTS) (renamed to the California Youth Tobacco Survey (CYTS) for surveys after 2020), and the U.S. Tobacco Control Laws Database.

Table 1. Tobacco-Related Disparity Indicators List

<table>
<thead>
<tr>
<th>Indicators</th>
<th>Data Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Tobacco Use, Adult (Age 18-64)</td>
<td>CHIS</td>
</tr>
<tr>
<td>Current Cigarette Smoking, Adult (Age 18+)</td>
<td>CHIS</td>
</tr>
<tr>
<td>Current Vape Use, Adult (Age 18-64)</td>
<td>CHIS</td>
</tr>
<tr>
<td>Current Tobacco Use, Youth (10th and 12th Grade)</td>
<td>CSTS/CYTS</td>
</tr>
<tr>
<td>Current Cigarette Smoking, Youth (10th and 12th Grade)</td>
<td>CSTS/CYTS</td>
</tr>
<tr>
<td>Current Vape Use, Youth (10th and 12th Grade)</td>
<td>CSTS/CYTS</td>
</tr>
<tr>
<td>Secondhand Tobacco Smoke or Vape Exposure, Adult (Age 18+)</td>
<td>CHIS</td>
</tr>
<tr>
<td>Secondhand Cigarette or Little Cigar/Cigarillo Smoke Exposure, Youth (10th and 12th Grade)</td>
<td>CSTS/CYTS</td>
</tr>
<tr>
<td>Secondhand Vape Exposure, Youth (10th and 12th Grade)</td>
<td>CSTS/CYTS</td>
</tr>
<tr>
<td>Cigarette Quit Attempt, Adult (Age 18+)</td>
<td>CHIS</td>
</tr>
<tr>
<td>Cigarette Quit Intent, Adult (Age 18+)</td>
<td>CHIS</td>
</tr>
<tr>
<td>Vape Quit Attempt, Youth (10th and 12th Grade)</td>
<td>CSTS/CYTS</td>
</tr>
<tr>
<td>Vape Quit Intent, Youth (10th and 12th Grade)</td>
<td>CSTS/CYTS</td>
</tr>
<tr>
<td>Local Multi-Unit Housing Policy Population Coverage</td>
<td>U.S. Tobacco Control Laws Database</td>
</tr>
<tr>
<td>Local Secondhand Smoke Policy Population Coverage</td>
<td>U.S. Tobacco Control Laws Database</td>
</tr>
<tr>
<td>Local Flavored Tobacco Sales Restriction Policy Population Coverage</td>
<td>U.S. Tobacco Control Laws Database</td>
</tr>
<tr>
<td>Local Tobacco Retail Sales Policy Population Coverage</td>
<td>U.S. Tobacco Control Laws Database</td>
</tr>
</tbody>
</table>

Abbreviations: CHIS, California Health Interview Survey; CSTS, California Student Tobacco Survey; CYTS, California Youth Tobacco Survey; U.S., United States.
Indicator Definitions
This section details the definition used for each indicator from the three main data sources. When there are definitional changes, caution should be utilized in trending data (e.g., comparing multiple years of data). In addition, caution should be utilized when trending data for CHIS indicators due to a change in data collection methodology in 2019.

Indicator 1. Current Tobacco Use, Adult (Age 18-64)
Current tobacco use was established from one of the following CHIS questions:

- **2016 to 2017**
  1. "Do you now smoke cigarettes every day, some days, or not at all?" with a response of either Every day or Some days; or
  2. "During the past 30 days, how many days did you use electronic cigarettes?" with a numeric response between 1 and 30.

- **2018**
  1. "Do you now smoke cigarettes every day, some days, or not at all?" with a response of either Every day or Some days; or
  2. "During the past 30 days, how many days did you use electronic cigarettes?" with a numeric response between 1 and 30; or
  3. "During the past 30 days, on how many days did you smoke big cigars?" with a response of either 1-2 days, 3-5 days, 6-9 days, 10-19 days, 20-29 days, or 30 days; or
  4. "During the past 30 days, on how many days did you use a hookah water pipe?" with a response of either 1-2 days, 3-5 days, 6-9 days, 10-19 days, 20-29 days, or 30 days; or
  5. "During the past 30 days, on how many days did you smoke cigarillos, or little cigars?" with a response of either 1-2 days, 3-5 days, 6-9 days, 10-19 days, 20-29 days, or 30 days; or
  6. "During the past 30 days, on how many days did you use chewing tobacco, snuff, or snus?" with a response of either 1-2 days, 3-5 days, 6-9 days, 10-19 days, 20-29 days, or 30 days.
• 2019 to 2021
  1. "Do you now smoke cigarettes every day, some days, or not at all?" with a response of either Every day or Some days; or
  2. "In the past 30 days, on how many days did you use an e-cigarette or other electronic vaping product?" with a numeric response between 1 and 30; or
  3. "During the past 30 days, on how many days did you smoke big cigars?" with a response of either 1-2 days, 3-5 days, 6-9 days, 10-19 days, 20-29 days, or 30 days; or
  4. "During the past 30 days, on how many days did you use a hookah water pipe?" with a response of either 1-2 days, 3-5 days, 6-9 days, 10-19 days, 20-29 days, or 30 days; or
  5. "During the past 30 days, on how many days did you smoke cigarillos, or little cigars?" with a response of either 1-2 days, 3-5 days, 6-9 days, 10-19 days, 20-29 days, or 30 days; or
  6. "During the past 30 days, on how many days did you use chewing tobacco, snuff, or snus?" with a response of either 1-2 days, 3-5 days, 6-9 days, 10-19 days, 20-29 days, or 30 days.

Indicator 2. Current Cigarette Smoking, Adult (Age 18+)
Current cigarette smoking was established from the CHIS question "Do you now smoke cigarettes every day, some days, or not at all?" with a response of either Every day or Some days.

Indicator 3. Current Vape Use, Adult (Age 18-64)
Current vape use was established from the following CHIS questions:

• 2016 to 2018: "During the past 30 days, how many days did you use electronic cigarettes?" with a numeric response between 1 and 30.
• 2019 to 2021: "In the past 30 days, on how many days did you use an e-cigarette or other electronic vaping product?" with a numeric response between 1 and 30.
Indicator 4. Current Tobacco Use, Youth (10th and 12th Grade)
Current tobacco use was established from one of the following CSTS/CYTS questions:

- **2016:**
  1. "Have you used any of the following products... In the last 30 days? Cigarettes" with a response of Yes; or
  2. "Have you used any of the following products... In the last 30 days? Big cigars" with a response of Yes; or
  3. "Have you used any of the following products... In the last 30 days? E-cigarettes" with a response of Yes; or
  4. "Have you used any of the following products... In the last 30 days? Hookah" with a response of Yes; or
  5. "Have you used any of the following products... In the last 30 days? Kretexs (clove cigars)" with a response of Yes; or
  6. "Have you used any of the following products... In the last 30 days? Little cigars or cigarillos" with a response of Yes; or
  7. "Have you used any of the following products... In the last 30 days? Smokeless tobacco (chew, dip, snuff, or snus)" with a response of Yes.

- **2018:**
  1. "Have you smoked cigarettes in the last 30 days?" with a response of Yes; or
  2. "Have you smoked big cigars in the last 30 days?" with a response of Yes; or
  3. "Have you used e-cigarettes in the last 30 days?" with a response of Yes; or
  4. "Have you used hookah (water pipe) in the last 30 days?" with a response of Yes; or
  5. "Have you smoked little cigars or cigarillos in the last 30 days?" with a response of Yes; or
  6. "Have you used smokeless tobacco in the last 30 days?" with a response of Yes.
• 2020:
  1. "Have you smoked cigarettes in the last 30 days?" with a response of Yes; or
  2. "Have you smoked big cigars in the last 30 days?" with a response of Yes; or
  3. "Which of the following have you vaped in the last 30 days?" with a response of Nicotine (with or without flavor) or Just flavoring (without nicotine, marijuana, or another drug); or
  4. "In the last 30 days when you used a hookah pen, what was in it?" with a response of either Nicotine (with or without flavor) or Just flavoring (without nicotine, marijuana, or another drug); or
  5. "Make your best guess. What do you think was in it?" with a response of either Nicotine (with or without flavor) or Just flavoring (without nicotine, marijuana, or another drug); or
  6. "Have you used a heat-not-burn tobacco product in the last 30 days?" with a response of Yes; or
  7. "Have you smoked hookah water pipe in the last 30 days?" with a response of Yes; or
  8. "Have you smoked little cigars or cigarillos in the last 30 days?" with a response of Yes; or
  9. "Have you used smokeless tobacco in the last 30 days?" with a response of Yes.

Indicator 5. Current Cigarette Smoking, Youth (10th and 12th Grade)
Current cigarette smoking was established from one of the following CSTS/CYTS questions:

• 2016: "Have you used any of the following products... In the last 30 days? Cigarettes" with a response of Yes.
• 2018 and 2020: "Have you smoked cigarettes in the last 30 days?" with a response of Yes.

Indicator 6. Current Vape Use, Youth (10th and 12th Grade)
Current vape use was established from the following CSTS/CYTS questions:

• 2016: "Have you used any of the following products... In the last 30 days? E-cigarettes" with a response of Yes.
• 2018: "Have you used e-cigarettes in the last 30 days?" with a response of Yes.
• 2020:
  1. "Which of the following have you vaped in the last 30 days?" with a response of Nicotine (with or without flavor) or Just flavoring (without nicotine, marijuana, or another drug); or
  2. "In the last 30 days when you used a hookah pen, what was in it?" with a response of either Nicotine (with or without flavor) or Just flavoring (without nicotine, marijuana, or another drug); or
  3. "Make your best guess. What do you think was in it?" with a response of either Nicotine (with or without flavor) or Just flavoring (without nicotine, marijuana, or another drug).
Indicator 7. Secondhand Tobacco Smoke or Vape Exposure, Adult (Age 18+)
Secondhand smoke or vape exposure were established from the CHIS question:

- **2016-2020**: "In the last two weeks, have you ever been exposed to secondhand tobacco smoke or e-cigarette vapor in California?" with a response of Yes.
- **2021**: "During the past year, when has someone else smoked tobacco or vaped around you in California?" with a response of either *In the past week* or *In the past two weeks*.

Indicator 8. Secondhand Cigarette or Little Cigar/Cigarillo Smoke Exposure, Youth (10th and 12th Grade)
Secondhand smoke exposure was established from the following CSTS/CYTS questions:

1. "In the last 2 weeks, were you in a car when someone was smoking a cigarette, little cigar, or cigarillo?" with a response of Yes; or
2. "In the last 2 weeks, were you in a room when someone was smoking a cigarette, little cigar, or cigarillo?" with a response of Yes.

Indicator 9. Secondhand Vape Exposure, Youth (10th and 12th Grade)
Secondhand vape exposure was established from the following CSTS/CYTS questions:

1. "In the last 2 weeks, were you in a car when someone was using a vape?" with a response of Yes; or
2. "In the last 2 weeks, were you in a room when someone was using a vape?" with a response of Yes.

Indicator 10. Cigarette Quit Attempt, Adult (Age 18+)
Cigarette quit attempt was established from the question in CHIS "During the past 12 months, have you stopped smoking for one day or longer because you were trying to quit smoking?" with a response of Yes. This question was restricted to adults who reported current cigarette smoking.

Indicator 11. Cigarette Quit Intent, Adult (Age 18+)
Cigarette quit intent was established from the question in CHIS "Are you thinking about quitting smoking in the next six months?" with a response of Yes. This question was restricted to adults who reported current cigarette smoking.
Indicator 12. Vape Quit Attempt, Youth (10th and 12th Grade)
Vape quit attempt was established from the following CSTS/CYTS questions:

- **2018**: "In the last 12 months, did you try to quit using e-cigarettes?" with a response of Yes.
- **2020**:
  1. "In the last 12 months, did you try to... Quit using vapes with nicotine (with or without flavor)?" with a response of Yes; or
  2. "In the last 12 months, did you try to... Quit using vapes with just flavoring?" with a response of Yes.

These questions were restricted to high school youth who reported current vape use.

Indicator 13. Vape Quit Intent, Youth (10th and 12th Grade)
Vape quit intent was established from the following CSTS/CYTS questions:

- **2018**: "Do you plan to quit using e-cigarettes?" with a response of either *I already quit*, *Yes--I plan to quit in the next month*, or *Yes--I plan to quit sometime, but not in the next month*.
- **2020**:
  1. "Do you plan to quit using vapes with nicotine (with or without flavor)?" with a response of either *I already quit*, *Yes--I plan to quit in the next month*, or *Yes--I plan to quit sometime, but not in the next month*; or
  2. "Do you plan to quit using vapes with just flavoring (without nicotine, marijuana, or another drug)?" with a response of either *I already quit*, *Yes--I plan to quit in the next month*, or *Yes--I plan to quit sometime, but not in the next month*.

These questions were restricted to high school youth who reported current vape use.

Indicator 14. Local Multi-Unit Housing Policy Population Coverage
Includes California jurisdictions with any smokefree multi-unit housing policies.

Indicator 15. Local Secondhand Smoke Policy Population Coverage
Includes California jurisdictions with any smokefree or clean air policies. These policies may or may not include smokefree multi-unit housing policies.

Indicator 16. Local Flavored Tobacco Sales Restriction Policy Population Coverage
Includes California jurisdictions with any policies related to the sale of flavored tobacco products.

Indicator 17. Local Tobacco Retail Sales Policy Population Coverage
Includes California jurisdictions with any tobacco sales or tobacco distribution policies. These policies may or may not include flavored tobacco sales restrictions.
California Health Interview Survey Demographic Definitions
This section details the definition used for demographic analysis for indicators using data from CHIS. When there are definitional changes, caution should be utilized in trending data (e.g., comparing multiple years of data). In addition, caution should be utilized when trending data for CHIS indicators due to a change in data collection methodology in 2019.

Age
Age was recoded from a CHIS-created variable based on the respondent’s self-reported age or date of birth.

American Indian/Alaska Native
American Indian/Alaska Native race were established from a CHIS-created variable based on the respondent’s self-reported American Indian/Alaska Native race.

Education
Education was recoded from a CHIS-created variable based on the respondent’s self-reported highest education completed.

Gender
Gender was established from a CHIS-created variable based on the respondent’s self-reported gender.

LGBTQ+\(^1\)
LGBTQ+ was established from the question "Do you think of yourself as straight or heterosexual, as gay {}, lesbian{}, or homosexual, or bisexual?"

Medi-Cal Coverage
Medi-Cal coverage was established from a CHIS-created variable based on the respondent’s self-reported health insurance coverage. In addition to respondents who reported being covered by Medi-Cal, respondents who self-reported receiving Temporary Assistance to Needy Families (TANF), California Work Opportunities and Responsibilities to Kids (CalWORKs), or Supplemental Security Income (SSI) are classified as covered by Medi-Cal.

Mental and Emotional Health
Mental and emotional health was established from a CHIS-created variable evaluating whether the respondent was likely to have serious psychological distress in the past month. This variable was based on respondent’s answer from the Kessler 6-Item Psychological Distress Scale (K6) questionnaire. A K6 score of 13 or more is classified as likely to have serious psychological distress in the past month.

\(^1\) Gender identity was not included as part of the LGBTQ+ definition as CHIS require users to combine multiple years for gender identity due to small sample sizes. For the Tobacco-Related Disparity Dashboard project, only single-year data was used.
Poverty Level
Poverty level was recoded from a CHIS-created variable based on the respondent’s self-reported household income and household size.

Race and Ethnicity
Race and ethnicity were established from a CHIS-created variable based on the respondent’s self-reported Hispanic or Latino ethnicity and race. Respondents who reported any Hispanic or Latino ethnicity are classified as Hispanic or Latino. Respondents who reported not being Hispanic or Latino and reported multiple races are classified as Two or more races, non-Hispanic. All other race categories are single-race non-Hispanic or Latino unless stated otherwise.

Urban/Rural
Urban/rural was established from a CHIS-created variable based on the respondent’s zip code population density.
California Student Tobacco Survey/California Youth Tobacco Survey

Demographic Definitions
This section details the definition used for demographic analysis for indicators using data from CSTS/CYTS. When there are definitional changes, caution should be utilized in trending data (e.g., comparing multiple years of data).

American Indian/Alaska Native
American Indian/Alaska Native race were established from a CSTS/CYTS-created variable based on the respondent’s self-reported American Indian/Alaska Native race.

Education
Education level was established from the question "What grade are you in?"

Gender
Gender was established from the following questions:

- 2016 and 2018: "What is your gender?"
- 2020: "How do you describe yourself?"

LGBTQ+
LGBTQ+ status was established from the following questions:

- 2018:
  1. "What is your gender?" with a response of I identify my gender in another way; or
  2. "Do you identify yourself as LGBTQ?" with a response of Yes.
- 2020:
  1. "How do you describe yourself?" with a response of either Female-to-male (FTM)/Transgender male/Trans man, Male-to-female (MTF)/Transgender female/Trans woman, Genderqueer--neither exclusively male nor female, or Additional gender category or other; or
  2. "Do you consider yourself to be...?" with a response of either Lesbian, gay, or homosexual, Bisexual, or Something else.

Mental and Emotional Health
Mental and emotional health was established from the question "In general, how would you rate your mental health?"
Race and Ethnicity
Race and ethnicity were established from a CSTS/CYTS-created variable based on the respondent’s self-reported Hispanic or Latino ethnicity and race. Respondents who reported any Hispanic or Latino ethnicity are classified as Hispanic or Latino. Respondents who reported not being Hispanic or Latino and reported multiple races are classified as Non-Hispanic--Multiple races. All other race categories are single-race non-Hispanic or Latino unless stated otherwise.

Urban/Rural
Urban/rural was established from a CSTS/CYTS-created variable based on the respondent’s school location.
**U.S. Tobacco Control Laws Database Demographic Definitions**

This section details the definition used for demographic analysis for indicators using data from the American Nonsmokers’ Rights Foundation’s U.S Tobacco Control Laws Database. Jurisdictional data from the U.S Tobacco Control Laws Database were linked to data from the U.S. Census Bureau’s American Community Survey 2015-2019.

**Age**

Age was established from a United States Census Bureau summary table ([Table B01001: Sex by Age](https://www.census.gov/)) based on the respondent’s self-reported age.

**American Indian/Alaska Native**

American Indian/Alaska Native race was established from a United States Census Bureau summary table ([Table B02010: American Indian and Alaska Native Alone or in Combination with One or More Other Races](https://www.census.gov/)) based on the respondent’s self-reported American Indian/Alaska Native race.

**Education**

Education was established from a United States Census Bureau summary table ([Table B15002: Sex by Educational Attainment for the Population 25 Years and Over](https://www.census.gov/)) based on the respondent’s self-reported highest education attained.

**Poverty Level**

Poverty level was established from a United States Census Bureau summary table ([Table C17002: Ratio of Income to Poverty Level in the Past 12 Months](https://www.census.gov/)) based on the respondent’s self-reported household income and household size.

**Race and Ethnicity**

Race and ethnicity were established from a United States Census Bureau summary table ([Table B03002: Hispanic or Latino Origin by Race](https://www.census.gov/)) based on the respondent’s self-reported Hispanic or Latino ethnicity and race. Respondents who reported any Hispanic or Latino ethnicity are classified as Hispanic or Latino. Respondents who reported not being Hispanic or Latino and reported multiple races are classified as *Not Hispanic or Latino--Two or more races*. All other race categories are single-race non-Hispanic or Latino unless stated otherwise.

**Sex**

Sex was established from a United States Census Bureau summary table ([Table B01001: Sex by Age](https://www.census.gov/)) based on the respondent’s self-reported sex.