**Department of Finance Population Data Files**

DOF produces [three types of population data](https://dof.ca.gov/wp-content/uploads/Forecasting/Demographics/Documents/DRU-Brochure.pdf):

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| Census | Estimates | Projections |
| Purpose is to increase and improve public access to census data products by providing publications and maps from the decennial censuses, the American Community Survey, the Economic Censuses, the Current Population Survey, and other special and periodic surveys. | Annual population estimates of the state, counties, and cities are available. Information on housing units, vacancies, average household size, components of population change, migration, and special populations are also available.  Estimates Publications:   * *January 1 City and County Population and Housing Estimates* * *July 1 State and County Population Estimates with Components of Change* | Population projections are available for the state and counties for a 50-year time frame with age, sex and race/ethnic detail. Public-school enrollment forecasts are also available at the county level for kindergarten through high school graduates.    Projections Publications:   * *Population Projections for California and Counties, 2010-2060* * *K–12 Enrollment Projections* * *Birth Projections* |

**Estimates**

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| Population Data | Type | Description | Files and Publish Date |
| E-1 | January Population Estimates (includes city) | Cities, Counties, and State Population Estimates with annual percent change – January 1, 2021 and 2022. | * January 1, 2021 and 2022 estimates with annual percent change (Published May 2, 2022) |
| E-4 | Current and Historical Population Estimates for cities, counties, and the state | * 2020-2022 (Published May 2022) * 2010-2020 (Published May 2022) * 2000-2010 * 1990-2000 * 1980-1990 * 1970-1980 |
| E-5 | January Population and Housing Estimates (includes city) | Current Population and Housing Estimates for cities, counties, and the state | * 2020-2022 (Published May 2022) * 2010-2020 (Published May 2021) |
| E-8 | Historical population and housing estimates for cities, counties, and the state | * 2000-2010 * 1990-2000 |
| E-2 | July Population Estimates (no city) | California County Population Estimates and Components of Change by Year | * 2020-2022 (Published January 2023) * 2010-2021 (Published December 2021) * 2000-2010 |
| E-3 | Race/Ethnic Population Estimates: Components of Change for California Counties | * 1990-2000 * 1970-1990 |
| E-6 | Population Estimates and Components of Change by County | * 2020-2022 (Published January 2023) * 2010-2021 (Published December 2021) * 2000-2010 * 1990-2000 * 1970-1990 * 1947-1969 |
| E-7 | California Population Estimates, with Components of Change and Crude Rates | * July 1, 1900-2022 (Published January 2023) |
| Intercensal | Annual Intercensal Population Estimates by Race/Ethnicity with Age and Gender Detail | * 2000-2010 * 1990-1999 * 1970-1989 |

**Notes:**

* Components of Change = Natural Increase (Births, Deaths), Net Migration, Net Immigration, Net Domestic Migration
* Population estimates in E-5 and E-8 are identical to the estimates in E-4.
  + In addition to the population estimates, E-5 and E-8 contains group quarters and several housing-related estimates.

**Projections**

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| Population Data and Publish Date | Description | Files |
| P-1 (Published July 2021) | State Population Projections – 2010-2060 | * P1-A: Total Population for California * P1-B: Total Population by Individual Year of Age * P1-C: Total Population by Sex and 5-Year Age Group * P1-D: Total Hispanic and Non-Hispanic Race * P1-E: Hispanic by Race - Expanded |
| P-2 (Published July 2021) | County Population Projections – 2010-2060 | * P-2A: Total Population for California and Counties * P-2B: County Population by Age * P-2C: County Population by Sex and Age Group * P-2D: County Population by Total Hispanic and Non-Hispanic Race |
| P-3 (Published July 2021) | Complete State and County Projections – 2010-2060 | * Complete P-3 Race/Ethnicity by Sex by (Single-Year) Age for California and Counties: 2010-2060 |
| P-CC (Published July 2021) | Report: Projected Total Population and Components of Change – 2010-2060 | * Report P-CC: 2010-2060 |
| P-Births (Published March 2021) | Historical and Projected Fertility Rates and Births, Calendar Year 1990-2040 | * P-Births: 1990-2040 |
| P-4 (Published June 2020) | State and County Projected Households, Household Population, and Persons per Household – 2020-2030 | * P-4: 2020-2030 |
| Education Projections (Published September 2022) | Public K-12 Graded Enrollment and High School Graduate Projections by County – 2022 Series | * Education Projections: 2022 Series |

**Notes about Projections:**

These projection data (specifically P-1, P-2, P-3) project populations up to 2060 using 2019 as the baseline. The 2019 baseline projections incorporate the latest historical population, birth, death, and migration data available as of July 1, 2020. Historical trends from 1990 through 2020 for births, deaths, and migration are examined. County populations by age, sex, and race/ethnicity are projected to 2060. The county projections are then summed to obtain data for the state.

These data files went through several iterations due to errors in the data. A complete timeline of these projections is provided below:

1. January 10, 2020 - Initial release
2. March 5, 2021 – Updated to include latest July 1 estimates (estimate file released December 2020)
3. April 23, 2021 – Updated to fix age-distribution error in P-3; population totals did not change
4. July 14, 2021 (Current) - Updated to fix a bug in age-distribution by race/ethnicity; did not change population totals by year, county, race/ethnicity; highest age now 110+.

**Interim Projections Series**

An interim projection series informed by Census 2020 data is expected to be released in early 2023. The development of the interim series is prompted by the delay in the Census Bureau’s scheduled release of the Census 2020 Demographic and Housing Characteristics (DHC) file to May 2023. That file will provide a new baseline for a complete DOF projection series tentatively planned for release in early 2024.

The interim series will reflect the July 1, 2022 state and county population estimates (published in December 2022) and will be based on the U.S. Census Bureau’s blended base – a combination of Census 2020 PL94, 2020 Demographic Analysis, and the Bureau’s Vintage 2020 estimates. While single-year of age detail is planned for the interim projection series, age groupings may be necessary pending further analysis.