



Data for 0-17 Components

- Census 2010 baseline population
- Actual or estimated births
- Actual or estimated deaths
- Public school enrollment in grades 1-8 and elementary ungraded
- International immigrants.



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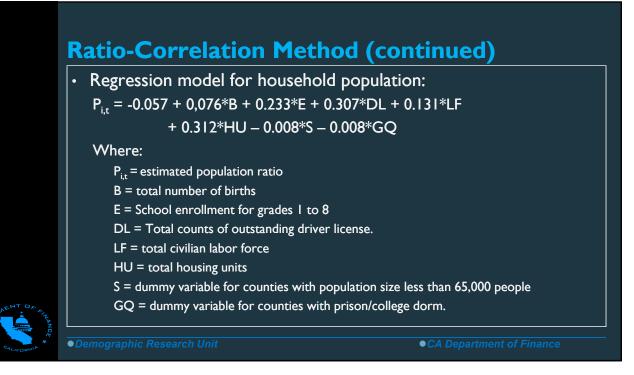
Data for 18-64 Components

- Census 2000 baseline population
- No births to add to this cohort
- Actual or estimated deaths
- Driver license address change (DLAC) data
- Migration data from the Internal Revenue Service
- Immigration (legal, unauthorized, emigration)
- Group quarters population data



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Actio-Correlation Method
Multiple regression model using benchmark data from the last two recent Censuses.
The ratio-correlation model predicts changes over the intercensal period of 2000 and 2010 and the post-censal period in all counties from the state's total.
For California, independent variables are: Births, school enrollment in grades I through 8, total numbers of driver license, total civilian labor force, and number of housing units.
The model is controlled for areas with small population (less than 65,000 people) and counties with prison/college dorm population.



Data Sources for Population Estimates

State Agencies

- Health Care Services
- Public Health
- Motor Vehicles
- Education
- Employment Development
- Corrections
- Mental Health
- Developmental Services
 - UC and CSU Systems
- Veterans Affairs

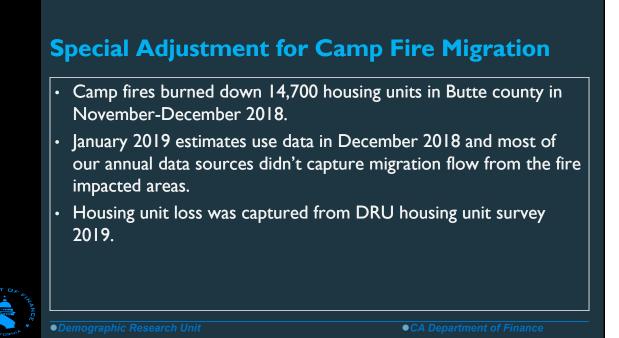
Federal Agencies

- Internal Revenue Service
- Centers for Medicare & Medicaid Services
- Department of Defense
- Federal Bureau of Prisons
- Department of Labor
- Veterans Affairs
- Department of Homeland Security
- Census Bureau



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Background of the issue:

- The fire was active from November to December 2018.
- At the time of the estimate period (December 2018), the campfire was still active.
- Everyone was evacuated from the fire zone and lived in temporary locations.
- Residents weren't allowed to get back to the town of Paradise until early January 2019.



Adjustment for Campfire Migration (continued)

- Data for DLAC model did not report high migration flow out of the campfire areas to other states/counties.
 - · School enrollment didn't report any data of kid's moving to a new location.
 - MediCare and MediCal data didn't update the change of address from the county in February for December enrollment data.
 - Driver license change of address reported modest increase of migration flow from/to Butte county compared to the period year.
 - · Minimal update on group quarter movement in the area.



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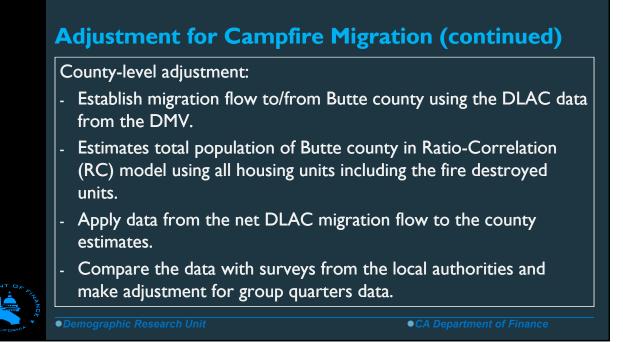
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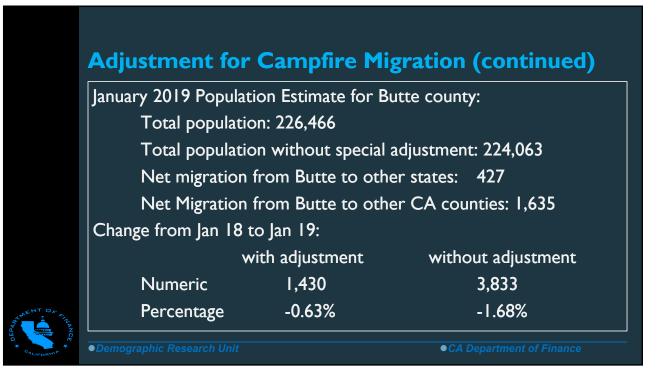
Adjustment for Campfire Migration (continued)

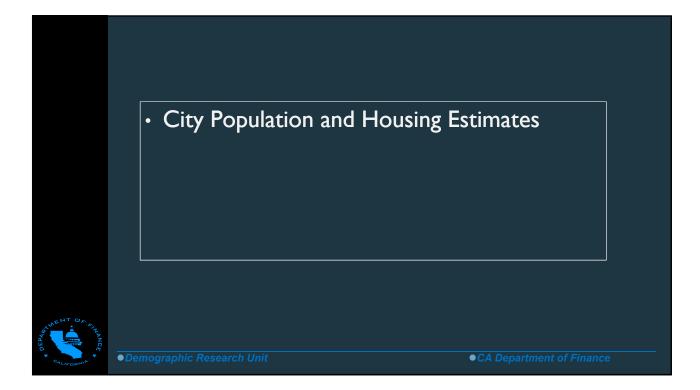
- Ratio-Correlation model:
 - Housing unit survey from the DRU reported significant housing unit (HU) loss in Butte county.

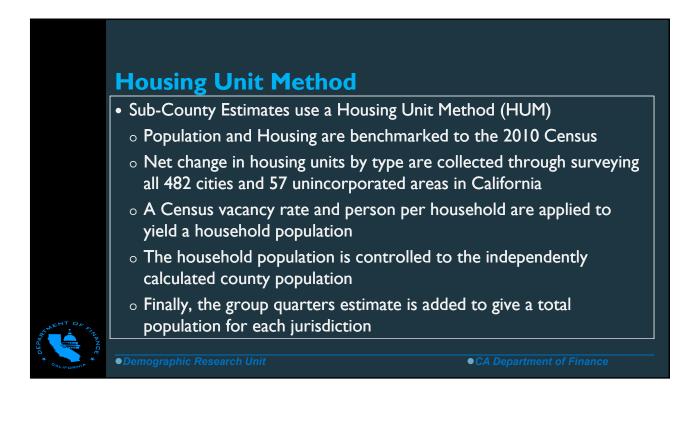
Total housing units in January 2019:	85,447
New construction:	745
Fire destroyed HU:	14,651
Net change in HU:	-13,906

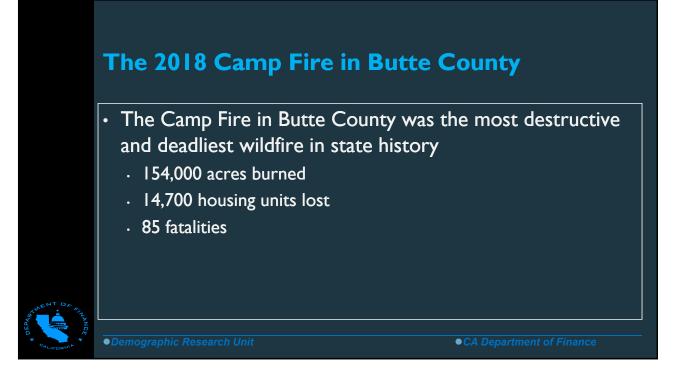


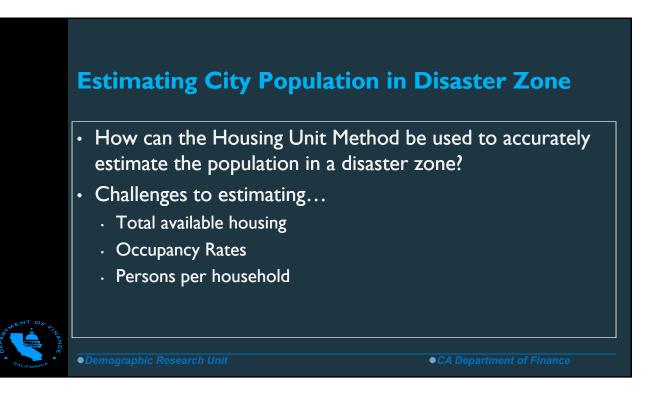


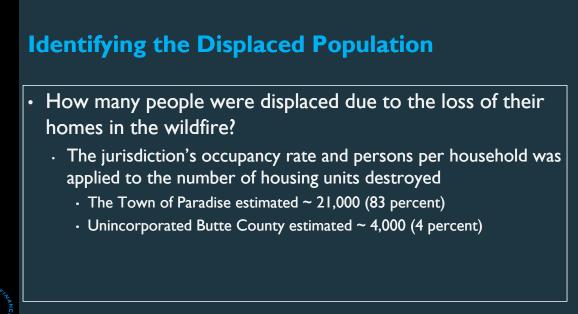














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Three Options for Displaced Population

- First, displaced residents can occupy previously unoccupied rental and seasonal units.
 - This is represented in a decrease in the Vacancy Rate.
- Second, displaced residents may "double up" by moving into the homes of friends and family.
 - This is represented in an increase in the Persons Per Household in occupied housing.
- Third, displaced residents may seek out temporary housing from a variety of sources.
 - · Options include: emergency shelters, trailers, RVs, and tents.



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Results of January Estimates in Butte County

- Incorporating the options for displaced population and in coordination with local jurisdictions an initial estimate of the displaced population is as follows
 - · Chico added 19,250 residents (21 percent)
 - · Oroville added 3,682 residents (20 percent)
 - · Gridley added 303 residents (4 percent)
 - · Biggs added 172 residents (9 percent)



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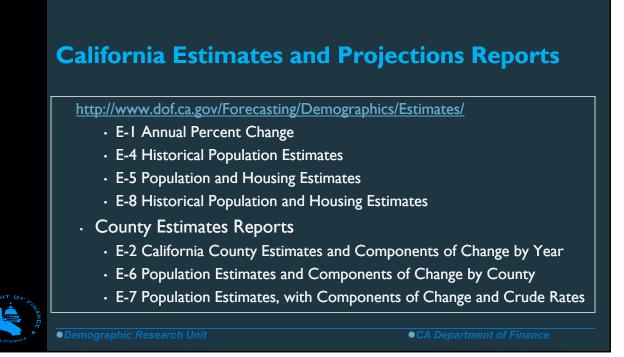
Future Research Topics

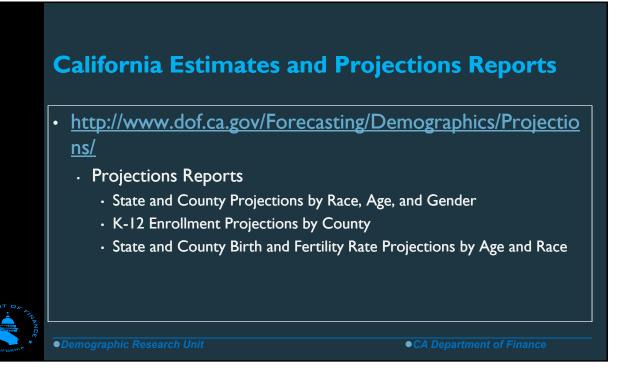
- Postal Change of Address data file
- Student level data on school enrollment and exit.
- FEMA data for Campfire area.



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