Orange Cove, California

Indicators Report

by
The National Economic Education Delegation (NEED)

April 20, 2024

Exploring the economics, demographics, and well-being of Orange Cove and its residents through indicators.

This report was produced by the:

National Economic Education Delegation
271 Arias St.
San Rafael, CA 94903
415-336-5705
www.NEEDEcon.org
Contact: Jon@NEEDEcon.org

Executive Summary

Assessing the City with Indicators

About this Report

This report provides background or summary information for the city of Orange Cove (the City) in the form of indicators.

Using this Report

Indicators are measures of various aspects of a regional economy. They help to provide an indication of the quality of life in a region and progress toward improving conditions in the local economy. This report focuses on indicators for changing demographics, incomes, housing markets, commute patterns, and employment in Orange Cove . These indicators are compared to Fresno County (the County) as a whole, a broader region where one is well defined, California, and the United Sates.

This report is vital for understanding trends in the underlying economy. It does not provide forecasts, but Rob Eyler and Jon Haveman at Economic Forensics and Analytics are available to provide them if that is of interest.

Topics Covered:

- **Demographics:** A detailed snopshot of Orange Cove demographics is presented. This provides evidence on the size, age and sex, income and poverty status, race and ethnicity, housing status, living arrangements, education, health, and transportation choices of the population. Beyond the current population level, data on trends in local population growth, in comparison with other broader regions is presented, in both tabular and graphical form.
- **Employment Report:** Here, we provide a brief snapshot or employment and unemployment in Orange Cove and how the City's experience differs from broader regions.
- **Income and Earnings:** Vital to understanding the prosperity of a city relative to its surrounding area is information on income and earnings. We provide a ranking of the City's income relative to all cities in California as well as growth relative to local regions. Inequality and poverty status are also important indicators for the level of equity in the community. We provide evidence of trends in both, not only for all residents, but also for children separately.
- **Housing:** This section provides evidence on the cost and availability of housing. Both median home values and rental costs are included, along with detailed information on home ownership, by age and income, in particular. Further, evidence is provided on the housing burden in the City, again, in comparison with other broader regions. We also provide evidence on the rate at which new buildings and units are permitted along with a broader housing picture. Finally, we provide evidence on the age of the housing stock in Orange Cove, along with information on how long the City's residents have been in place.
- **Transportation:** Increasingly important, in the wake of the pandemic, is an understanding of the transportation patterns and choices of local residents. We provide detailed evidence on the proprotion of residents who work from home and on the various transportation choices of those who head to the office. This information is also provided for those who work in Orange Cove, but do not necessarily live in Orange Cove.
- **Migration:** Population changes comes primarily through organic causes: births and deaths. Migration between regions also plays a significant role in population growth. A final section of the report provides evidence on migration into and out of the City.

Jon Haveman, Ph.D. • National Economic Education Delegation
Jon@NEEDEcon.org • 415-336-5705

Contents

Jon Haveman, Ph.D. • National Economic Education Delegation
Jon@NEEDEcon.org • 415-336-5705

Demographics

Definition:

Data on the demographics of a city indicate the nature of the population, with a focus on age, gender, race and ethnicity, as well as household compositon.

Why is it important?

The characteristics and growth of Orange Cove's population are fundamental indicators of the city's growth potential.

A Demographic Snapshot

Jon Haveman, Ph.D. • National Economic Education Delegation
Jon@NEEDEcon.org • 415-336-5705

Statistic	2022	2019
POPULATION		
Population Estimate (#, 5yr)	9,635.0	10,274.0
Veterans (#, 5yr)	102.0	159.0
Foreign born persons (%, 5yr)	36.1	35.5
Population age 25+ (#, 5yr)	4,728.0	5,157.0
AGE AND SEX		
Persons under 5 years (%, 5yr)	8.4	11.7
Persons under 18 years (%, 5yr)	37.8	38.9
Persons 65 years and over (%, 5yr)	6.1	7.4
Female persons (%, 5yr)	48.3	50.0
INCOME AND POVERTY		
Median household income ($, 5yr)	33,671.0	25,677.0
Per capita income in past 12 months ($, 5yr)	12,306.0	9,698.0
Persons in poverty (%, 5yr)	46.5	48.3
Children age less than 18 in poverty (#, 5yr)	2,203.0	2,559.0
Children age less than 18 in poverty (%, 5yr)	61.0	64.8
RACE AND ETHNICITY		
White alone (%, 5yr)	45.6	66.7
African American alone (%, 5yr)	1.5	1.1
American Indian or Alaska Native alone (%, 5yr)	0.0	0.4
Asian alone (%, 5yr)	0.1	0.2
Native Hawaiian and Other Pacific Islander alone (%, 5yr)	0.0	0.5
Two or More Races (%, 5yr)	19.2	1.0
Hispanic or Latino (%, 5yr)	96.1	95.0
White alone, not Hispanic or Latino (%, 5yr)	2.2	3.4
HOUSING		
Housing units (#, 5yr)	2,523.0	2,834.0
Owner-occupied housing units (%, 5yr)	38.5	36.8
Median value of owner-occupied housing units ($, 5yr)	208,000.0	152,300.0
Median selected monthly owner costs-with a mortgage ($, 5yr)	1,200.0	1,055.0
Median selected monthly owner costs-without a mortgage ($, 5yr)	425.0	417.0
Median gross rent ($, 5yr)	899.0	742.0
FAMILIES AND LIVING ARRANGEMENTS		
Households (#, 5yr)	2,460.0	2,692.0
Persons per household (#, 5yr)	3.9	3.8
Living in same house 1 year ago, % of persons age 1+ (5yr)	92.0	85.8
EDUCATION		
High school graduate or higher, % of persons age 25+ (5yr)	44.5	46.1
Bachelor's degree or higher, % of persons age 25+ (5yr)	6.7	1.6
HEALTH		
With a disability, under age 65 years (#, 5yr)	314.0	527.0
Persons without health insurance, under age 65 years (%, 5yr)	10.7	11.1
LABOR FORCE		
In civilian labor force, persons age 16+ (%, 5yr)	59.5	59.6
In civilian labor force, women age 16+ (%, 5yr)	54.5	56.2
Employed, persons age 16+ (%, 5yr)	50.0	49.1
Self employed (%, 5yr)	4.7	2.7
TRANSPORTATION		
Mean travel time to work, workers age 16+ (Mins., 5yr)	28.5	27.4
Drive alone in private vehicle (%, 5yr)	64.5	70.8
Using public transportation (%, 5yr)	0.0	0.0
Worked from home (%, 5yr)	0.6	1.2

Source: American Community Survey, Summary Files
Note: Data are from the 1-year files unless indicated by the notation 5yr.

Jon Haveman, Ph.D. • National Economic Education Delegation
Jon@NEEDEcon.org • 415-336-5705

Current Population

The data in these two tables and the following two graphs are from the CA Department of Finance (DOF). The DOF produces population estimates for geographies around California twice a year: January and July. As estimates for cities are only available in January, these two tables are based on the January data. The remaining figures are from the American Community Survey (ACS), provided annually by the U.S. Bureau of the Census.

Table 1. Population Change by Region
(Thousands, January to January)

Region	2023 Population	% Change 1 Year	% Change 3 Year	% Change 5 Year
City				
Orange Cove	9,463	−0.71	−1.04	−4.65
County and Broader Regions				
Fresno County	1,011,499	0.17	−0.86	0.42
South Central Valley	3,534,481	0.01	−0.90	0.05
California	38,940,231	−0.35	−1.79	−2.01

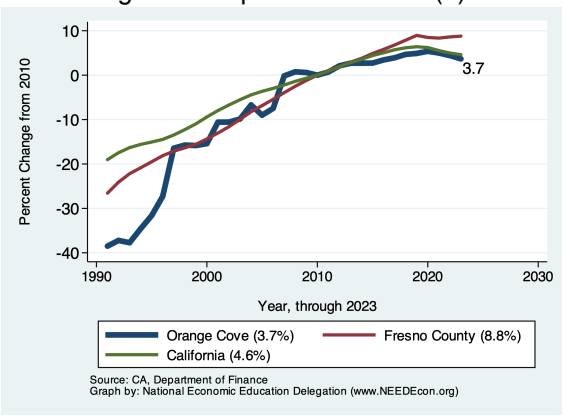
Source: CA DOF; Calculations by National Economic Education Delegation

Table 2. County Population Change by City
(Thousands, January to January)

City	2022	2023	% Change Local	% Change South Central Valley	% Change California
Fresno County	1,009.8	1,011.5	0.17	0.01	−0.35
Fresno	542.8	543.4	0.11		
Clovis	123.5	124.5	0.80		
Sanger	26.3	26.2	−0.23		
Reedley	24.9	25.4	1.75		
Selma	24.4	24.3	−0.22		
Coalinga	17.3	17.2	−0.52		
Kerman	16.6	17.0	2.11		
Parlier	14.5	14.4	−0.48		
Kingsburg	12.4	12.9	3.48		
Mendota	12.5	12.5	−0.10		
Orange Cove	9.5	9.5	−0.71		
Firebaugh	8.4	8.5	0.89		
Fowler	6.9	7.2	3.34		
Huron	6.2	6.1	−0.71		
San Joaquin	3.6	3.6	−0.72		

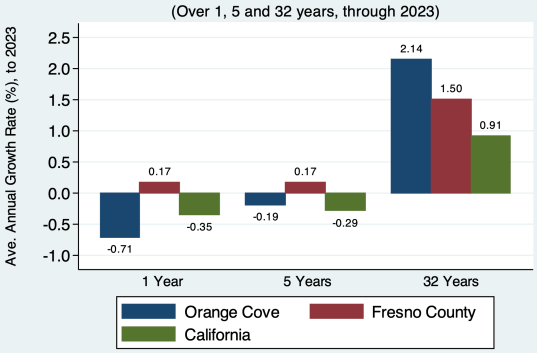
Source: CA DOF; Calculations by National Economic Education Delegation

Figure 1: Population Growth (1)



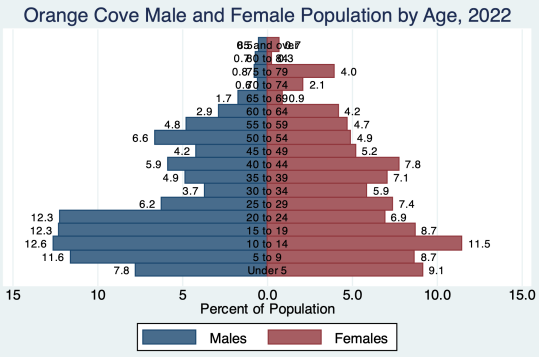
Source: CA, Department of Finance
Graph by: National Economic Education Delegation (www.NEEDEcon.org)

Figure 2: Population Growth (2)

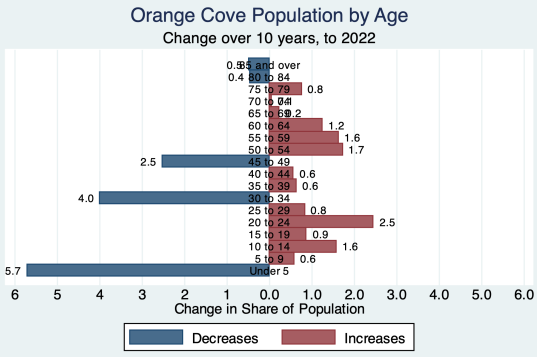


Source: U.S. Bureau of Economic Analysis
Graph by: National Economic Education Delegation (www.NEEDEcon.org)

Figure 3: Population by Age - Detailed Age Categories

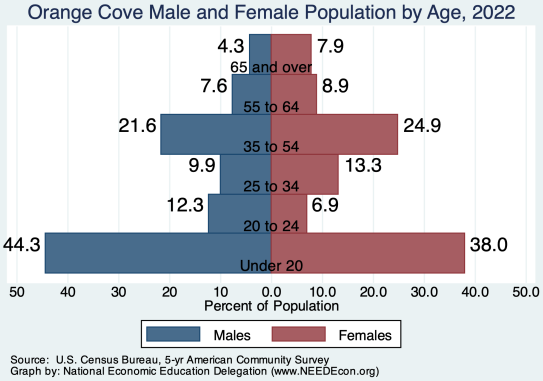


Source: U.S. Census Bureau, 5-yr American Community Survey
Graph by: National Economic Education Delegation (www.NEEDEcon.org)

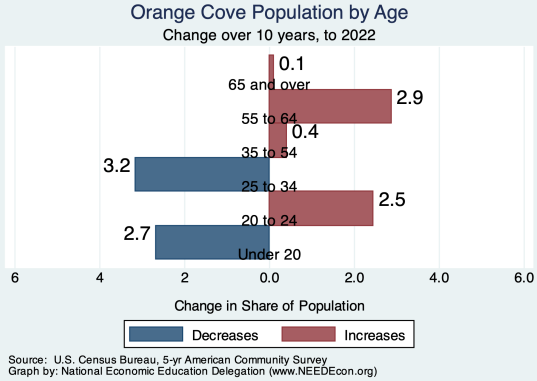


Source: U.S. Census Bureau, 5-yr American Community Survey
Graph by: National Economic Education Delegation (www.NEEDEcon.org)

Figure 4: Population by Age - Broad Age Categories



Source: U.S. Census Bureau, 5-yr American Community Survey
Graph by: National Economic Education Delegation (www.NEEDEcon.org)



Source: U.S. Census Bureau, 5-yr American Community Survey
Graph by: National Economic Education Delegation (www.NEEDEcon.org)

Jon Haveman, Ph.D. ● National Economic Education Delegation
Jon@NEEDEcon.org ● 415-336-5705

Figure 5: Population by Educational Attainment

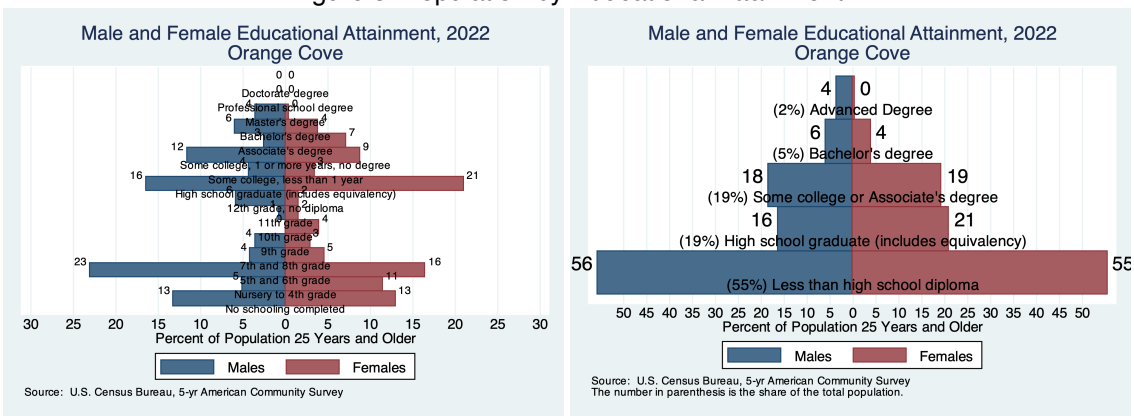


Figure 6: Population by Race/Ethnicity

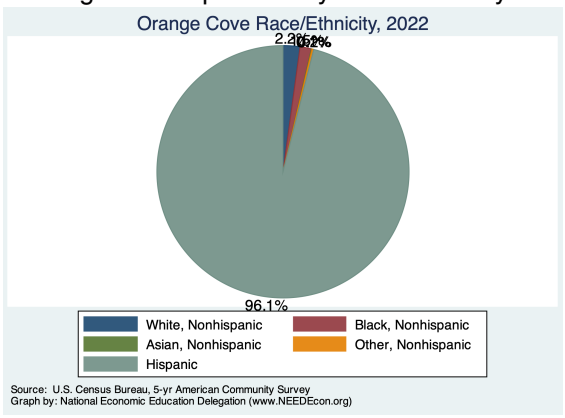
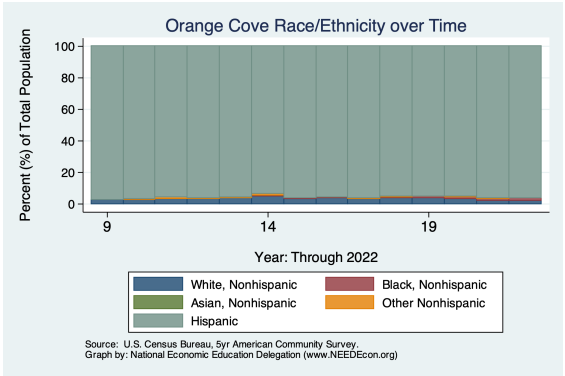


Figure 7: Population by Race/Ethnicity Over Time



Jon Haveman, Ph.D. ● National Economic Education Delegation
Jon@NEEDEcon.org ● 415-336-5705

Employment Report

Citywide Employment and Unemployment

Definition:

Each month, California's Employment Development Division (EDD) publishes an update on employment in California and in MSAs, counties, and cities all across the state. The report focuses primarily on non-farm employment, providing estimates of changes in employment by industry as well as unemployment in each region. Data for cities is limited to aggregate employment, labor force, and unemployment data. Those are reported below.

Why is it important?

Employment growth is a fundamental indicator of the health of an economy.

Table 3. Orange Cove Summary for March, 2024

Category	Current Value	Change From: Last Month	2 Months Ago	Last Year
Employment	8,924	-30	−53	-103
Labor Force	9,644	9	15	96
Number Unemployed	678	-4	21	97
Unemployment Rate	7.0	-0.0	0.2	0.9

Source: EDD, National Economic Education Delegation

Figure 8: Historical Employment and Unemployment

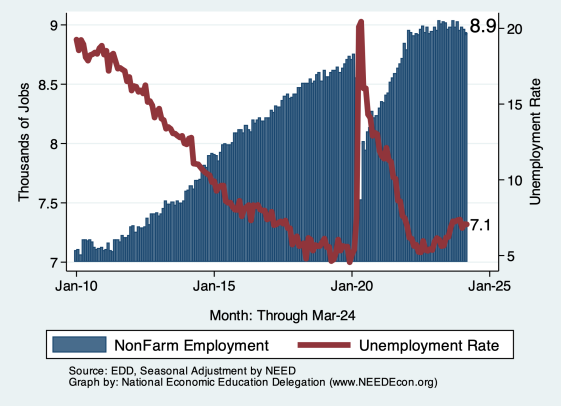


Figure 9: Employment and Unemployment - Last 12 Months

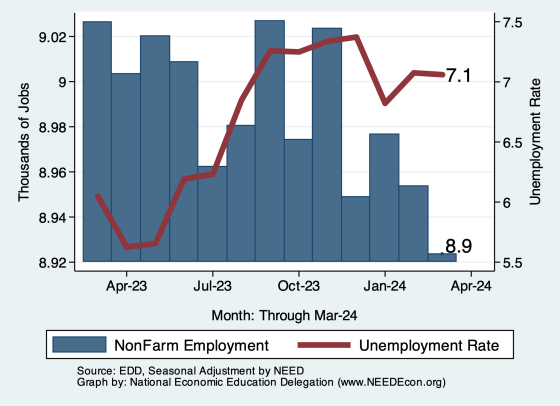


Figure 10: Relative Employment Growth Across Regions - since 2010

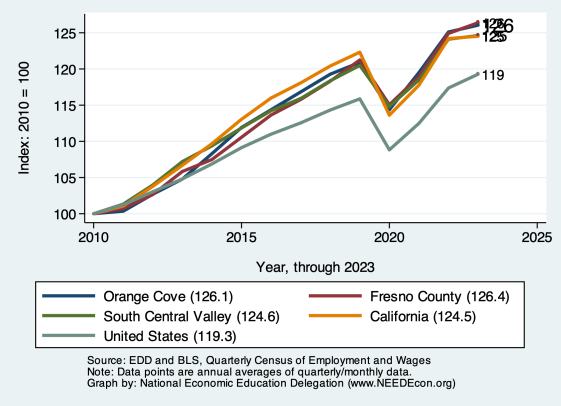
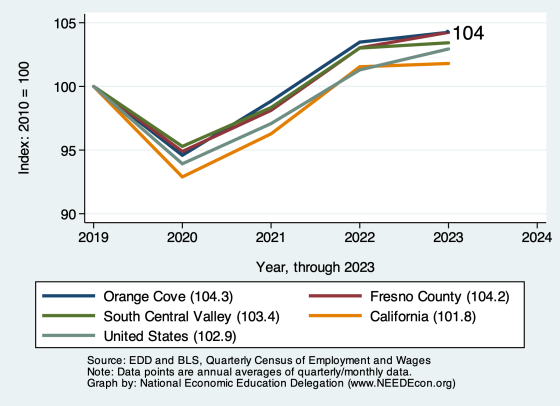


Figure 11: Relative Employment Growth Across Regions - since 2019



Jon Haveman, Ph.D. • National Economic Education Delegation
Jon@NEEDEcon.org • 415-336-5705

County Employment by Industry

California's Employment Development Division (EDD) does not regularly produce data on employment by industry for cities. However, we are able to report indsutry-level employment data for Fresno County. The following table provides the latest data for the County.

Table 4. Employment Growth by Industry in Fresno County for March, 2024

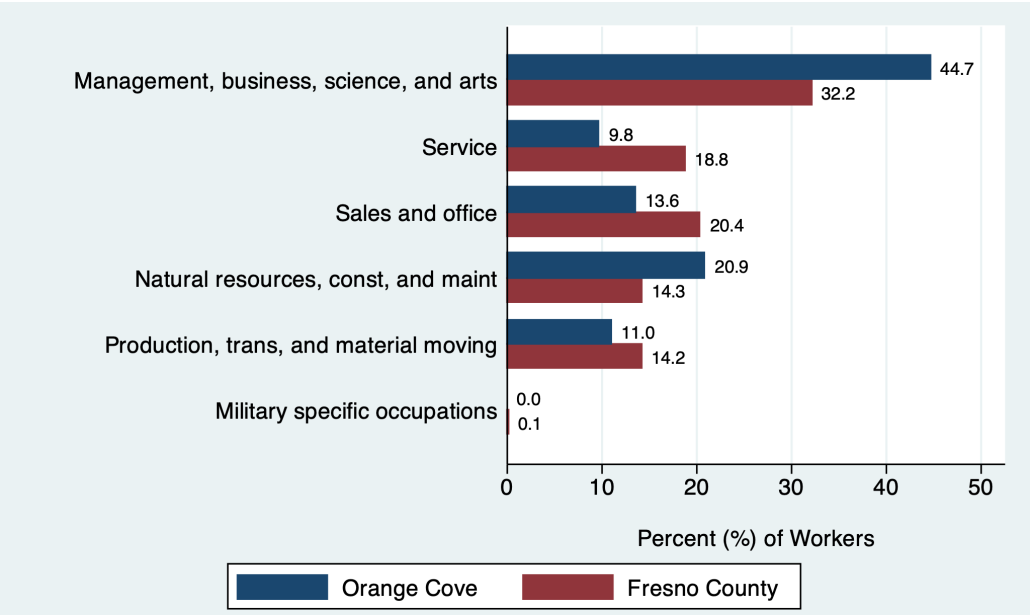
Industry	Employment	Share	Empl Growth	% Growth - Annualized Rate					
				Month	Qtr	6mo	1yr	3yr	5yr
Total Nonfarm	394,605	100.0	1,539.3	4.8	3.3	3.8	2.9	4.3	1.9
Total Private	315,531	80.0	1,168.0	4.6	1.4	3.3	2.4	4.2	2.1
Goods Producing	50,339	12.8	−22.4	−0.5	−3.7	2.3	3.7	3.4	2.4
Mining, Logging and Construction	23,356	5.9	355.8	20.2	−0.8	2.0	5.3	5.9	4.8
Mining and Logging	300	0.1	0.0	0.0	0.0	0.0	50.0	16.7	10.0
Construction	23,137	5.9	412.6	24.1	0.8	2.4	4.9	5.7	4.7
Manufacturing	27,237	6.9	−2.5	−0.1	−1.6	5.0	2.3	1.7	0.9
Durable Goods	8,650	2.2	−40.4	−5.4	−5.0	−3.9	−3.3	−1.4	−0.8
Non-Durable Goods	18,549	4.7	31.5	2.1	−0.2	9.0	5.1	3.4	1.8
Service Providing	343,681	87.1	1,093.8	3.9	3.9	3.6	2.7	4.4	1.8
Trade, Trans & Utilities	77,528	19.6	307.8	4.9	2.2	3.7	1.8	2.3	2.4
Wholesale Trade	15,900	4.0	0.0	0.0	0.0	−2.5	0.6	3.5	2.4
Retail Trade	40,665	10.3	212.8	6.5	1.1	1.8	1.2	1.7	1.0
Trans & Warehousing	18,062	4.6	149.5	10.5	13.3	11.2	5.3	3.4	6.3
Information	2,700	0.7	200.0	151.8	16.3	−7.0	−18.2	−1.2	−4.1
Financial Activities	12,450	3.2	−19.8	−1.9	−16.1	−2.4	0.1	−2.2	−2.6
Finance & Insurance	7,265	1.8	50.6	8.8	−21.8	−3.7	−1.3	−5.0	−4.6
Real Estate & Rental & Leasing	5,135	1.3	−97.0	−20.1	−8.2	−2.4	2.0	2.8	1.2
Professional & Business Srvcs	33,264	8.4	368.7	14.3	4.8	4.9	−0.1	2.0	−0.7
Prof, Sci, & Tech	11,725	3.0	−93.1	−9.1	−0.0	−2.9	−1.7	1.1	0.5
Admin & Support Srvcs	16,767	4.2	387.7	32.4	5.4	9.9	−0.9	1.7	−2.9
Educational & Health Srvcs	86,081	21.8	254.2	3.6	5.4	4.1	4.6	5.7	3.9
Education Srvcs	4,635	1.2	−100.1	−22.6	−13.1	−9.7	−3.3	12.0	3.0
Health Care & Social Assistance	81,407	20.6	302.9	4.6	7.0	4.9	5.2	5.4	4.0
Leisure & Hospitality	38,392	9.7	−87.5	−2.7	−2.7	1.1	1.6	9.4	1.6
Accommodation & Food Srvcs	32,848	8.3	−108.5	−3.9	−4.3	−1.6	−0.6	6.7	0.6
Other Srvcs	14,494	3.7	43.6	3.7	4.5	4.2	2.8	9.7	4.5
Government	78,831	20.0	161.0	2.5	6.3	5.8	4.7	4.5	0.9
Federal	9,622	2.4	9.7	1.2	3.1	−0.5	1.4	−2.1	−1.0
State	12,792	3.2	−16.2	−1.5	0.2	1.1	2.4	2.3	0.1
Local	56,423	14.3	175.5	3.8	8.3	8.0	5.9	6.6	1.6
County	8,245	2.1	168.4	28.1	12.6	10.1	6.3	1.5	1.1
City	6,666	1.7	−9.3	−1.7	4.1	10.1	6.4	6.0	3.3
Local Government Education	38,286	9.7	90.1	2.9	7.9	5.7	6.1	7.8	1.5

Source: EDD, National Economic Education Delegation (NEED)

Some Employee Detail

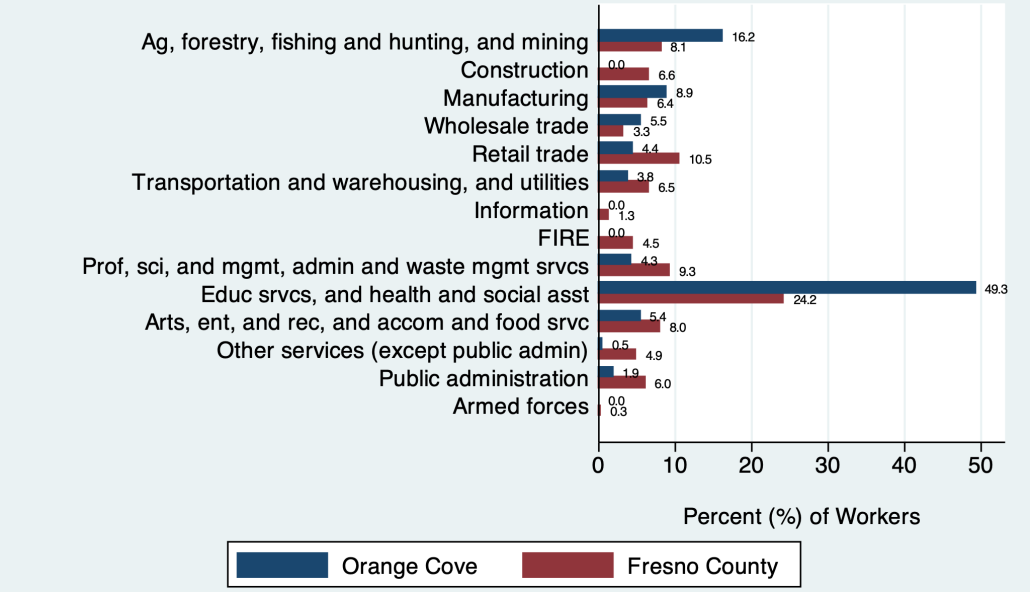
Employed in Orange Cove

Figure 12: Employment by Occupation



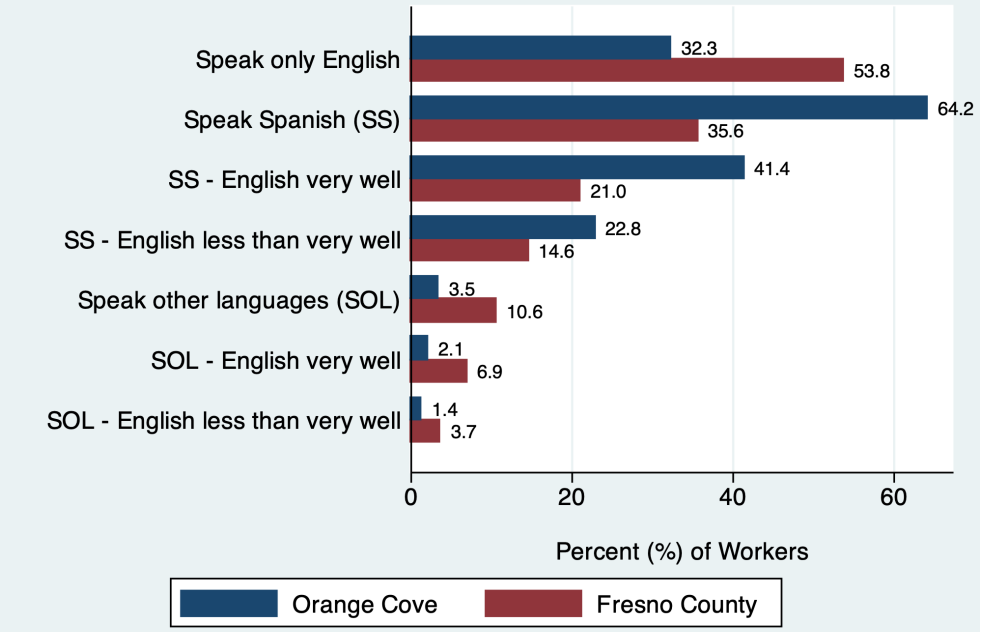
Source: American Community Survey, 2022 5-yr Summary Files.
Graph by: National Economic Education Delegation (www.NEEDEcon.org).

Figure 13: Employment by Industry



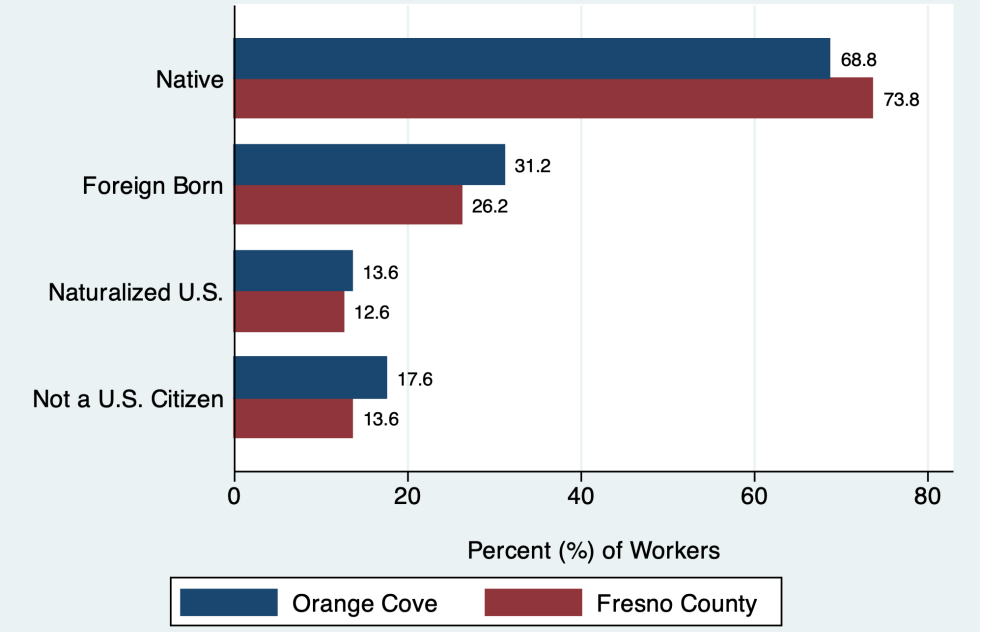
Source: American Community Survey, 2022 5-yr Summary Files.
Graph by: National Economic Education Delegation (www.NEEDEcon.org).

Figure 14: Language Spoken at Home



Source: American Community Survey, 2022 5-yr Summary Files.
Graph by: National Economic Education Delegation (www.NEEDEcon.org).

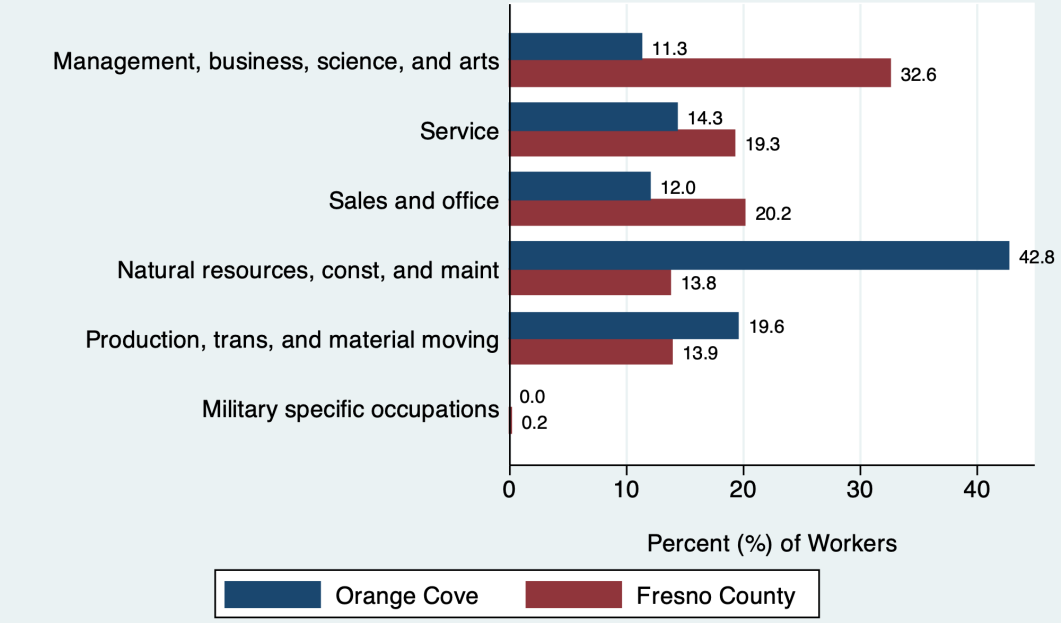
Figure 15: Citizenship



Source: American Community Survey, 2022 5-yr Summary Files.
Graph by: National Economic Education Delegation (www.NEEDEcon.org).

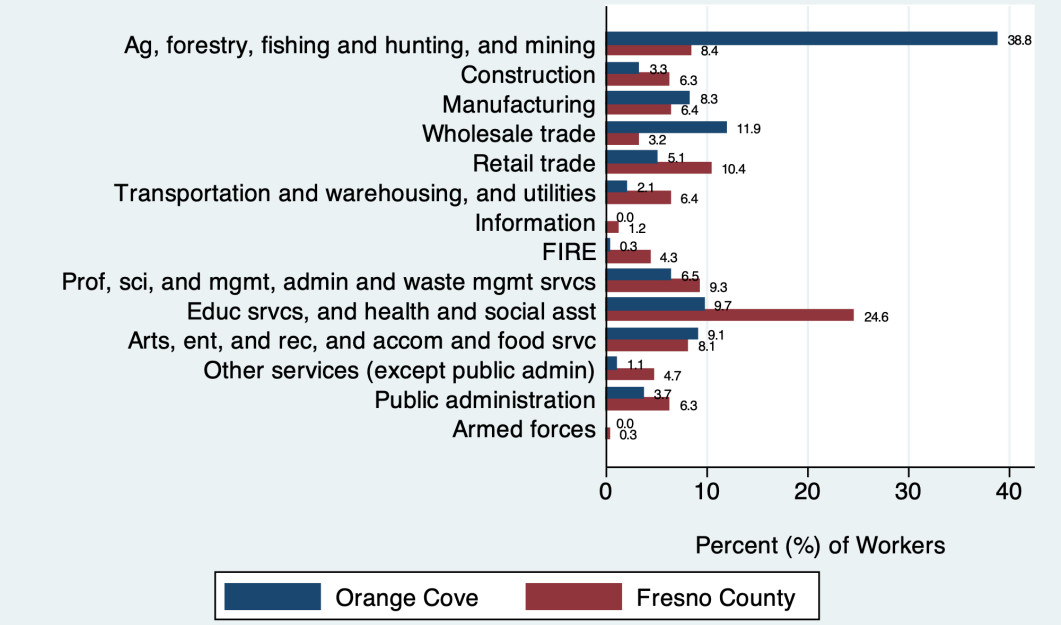
Employed Residents of Orange Cove

Figure 16: Employment by Occupation



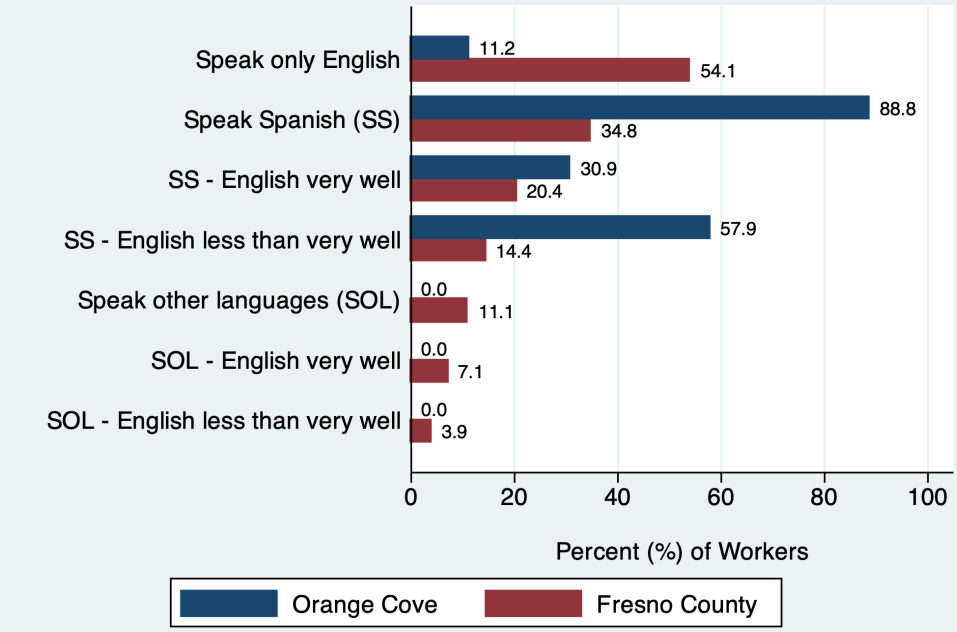
Source: American Community Survey, 2022 5-yr Summary Files.
Graph by: National Economic Education Delegation (www.NEEDEcon.org).

Figure 17: Employment by Industry



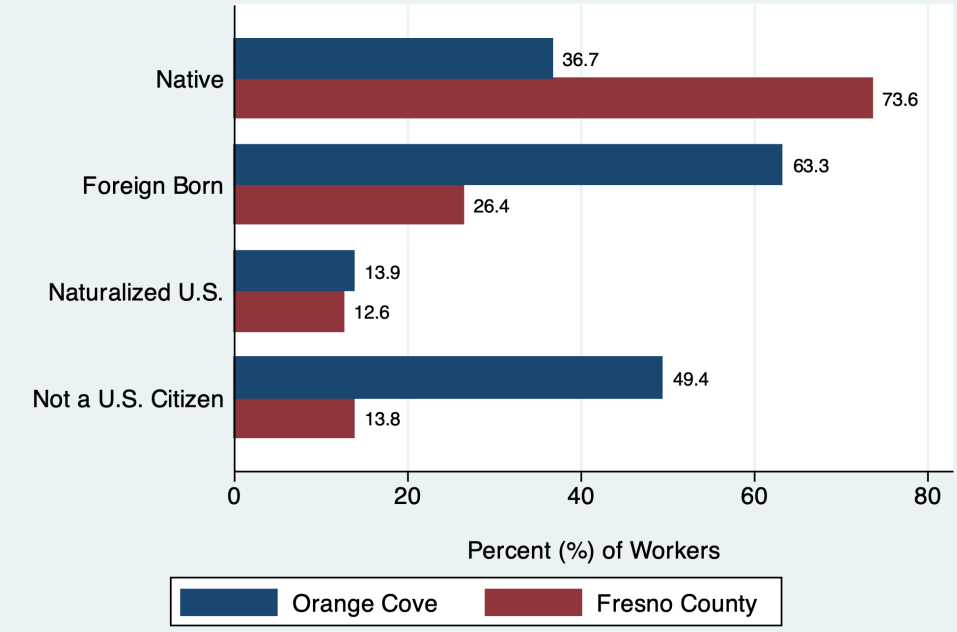
Source: American Community Survey, 2022 5-yr Summary Files.
Graph by: National Economic Education Delegation (www.NEEDEcon.org).

Figure 18: Language Spoken at Home



Source: American Community Survey, 2022 5-yr Summary Files.
Graph by: National Economic Education Delegation (www.NEEDEcon.org).

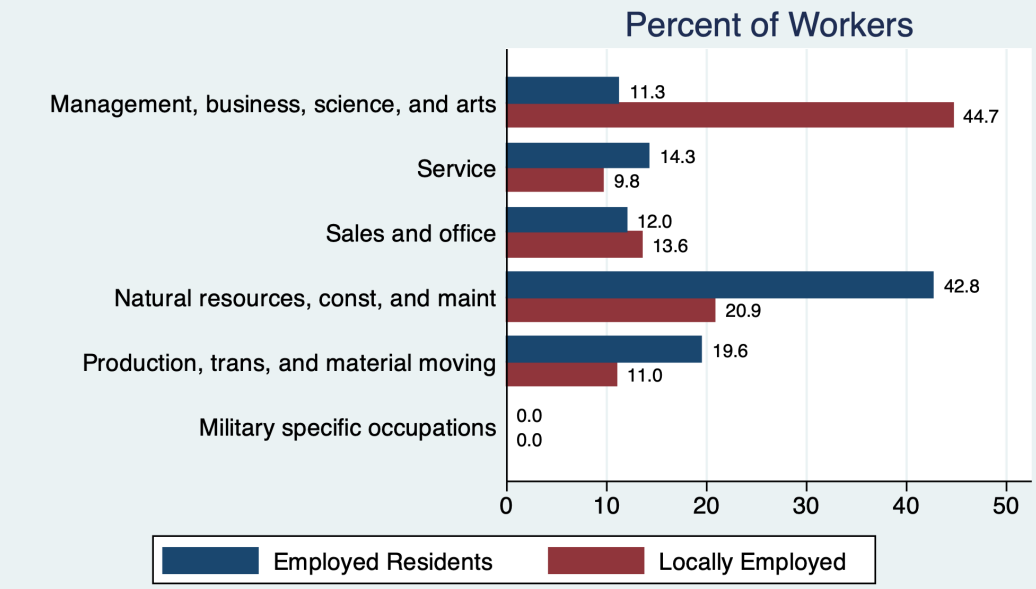
Figure 19: Citizenship



Source: American Community Survey, 2022 5-yr Summary Files.
Graph by: National Economic Education Delegation (www.NEEDEcon.org).

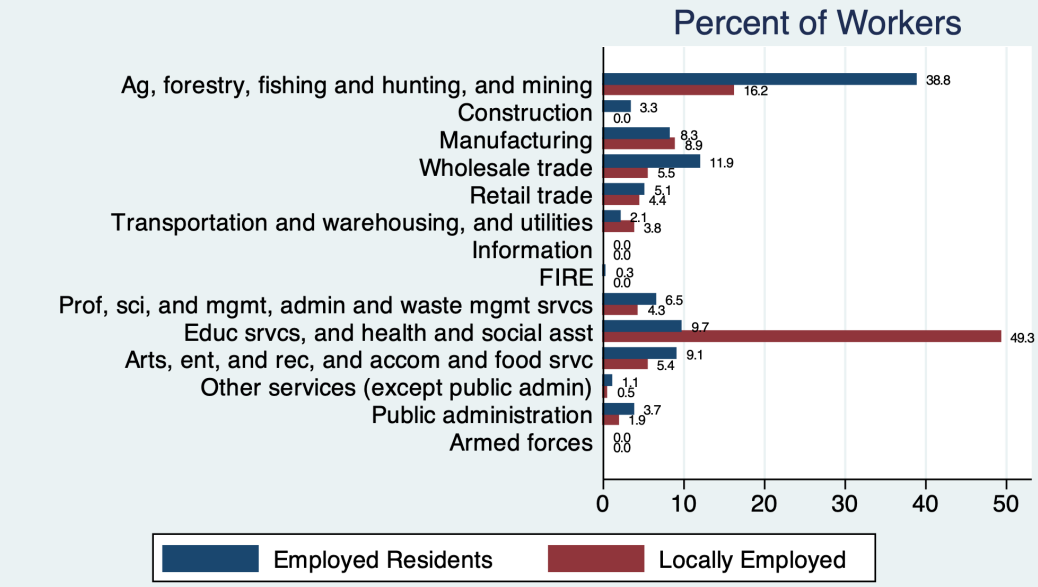
Employed Residents vs Workers in Orange Cove

Figure 20: Employment by Occupation



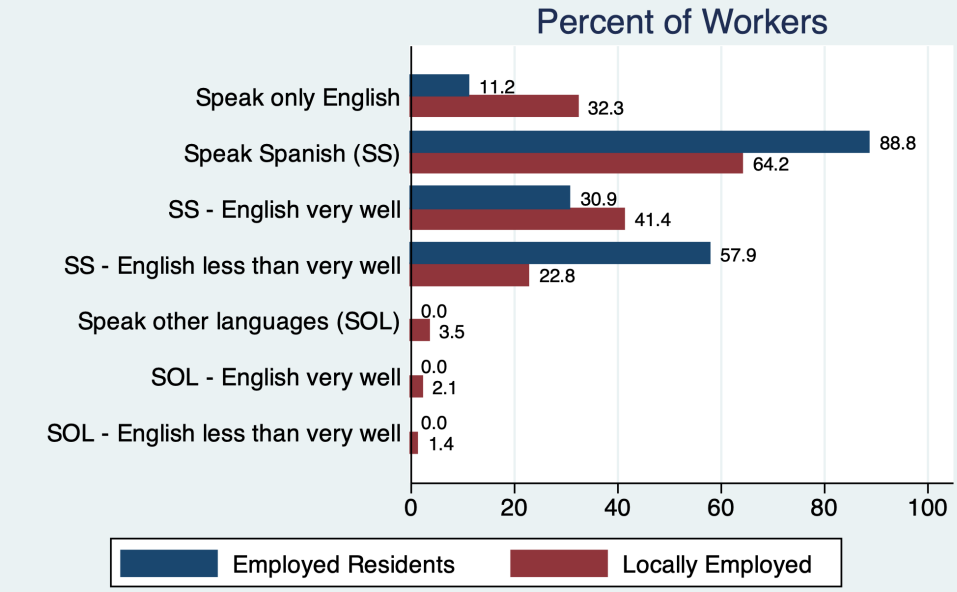
Source: American Community Survey, 2022 5-yr Summary Files.
Graph by: National Economic Education Delegation (www.NEEDEcon.org).

Figure 21: Employment by Industry



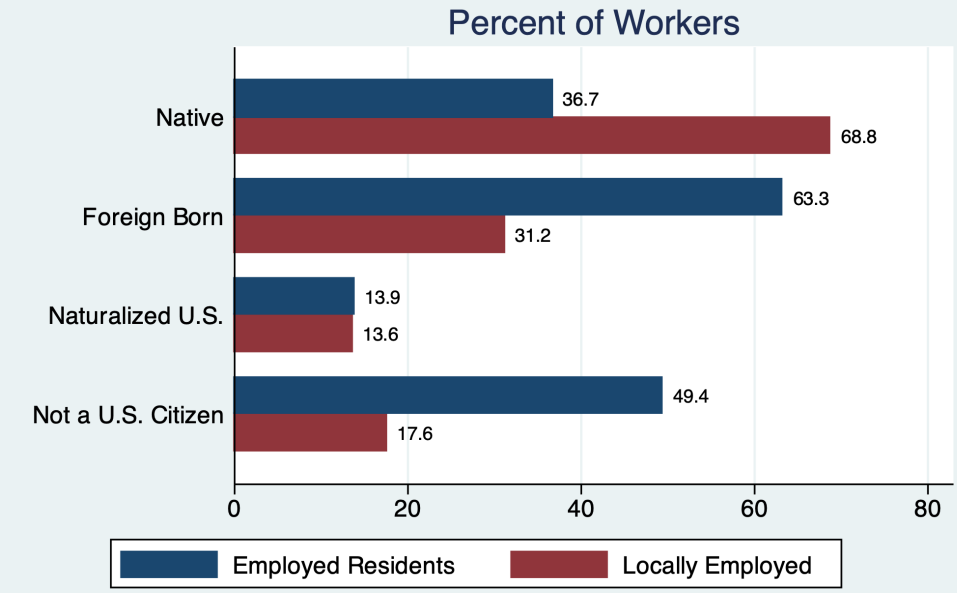
Source: American Community Survey, 2022 5-yr Summary Files.
Graph by: National Economic Education Delegation (www.NEEDEcon.org).

Figure 22: Language Spoken at Home



Source: American Community Survey, 2022 5-yr Summary Files.
Graph by: National Economic Education Delegation (www.NEEDEcon.org).

Figure 23: Citizenship



Source: American Community Survey, 2022 5-yr Summary Files.
Graph by: National Economic Education Delegation (www.NEEDEcon.org).

Income and Earnings

Per Capita Income Growth

Definition:

Per capita income is the average income per person in Orange Cove. Personal income is the income received by, or on behalf of, all persons from all sources: from participation as laborers in production, from owning a home or unincorporated business, from the ownership of financial assets, and from government and business in the form of transfer receipts. Noncash government benefits are not included.

Why is it important?

Income is the money that is available to persons for consumption expenditures, taxes, interest payments, transfer payments to governments and the rest of the world, or for saving. As such, it is an important indicator of economic well-being in a community.

Figure 24: Real Per Capita Income Ranking Among California Cities

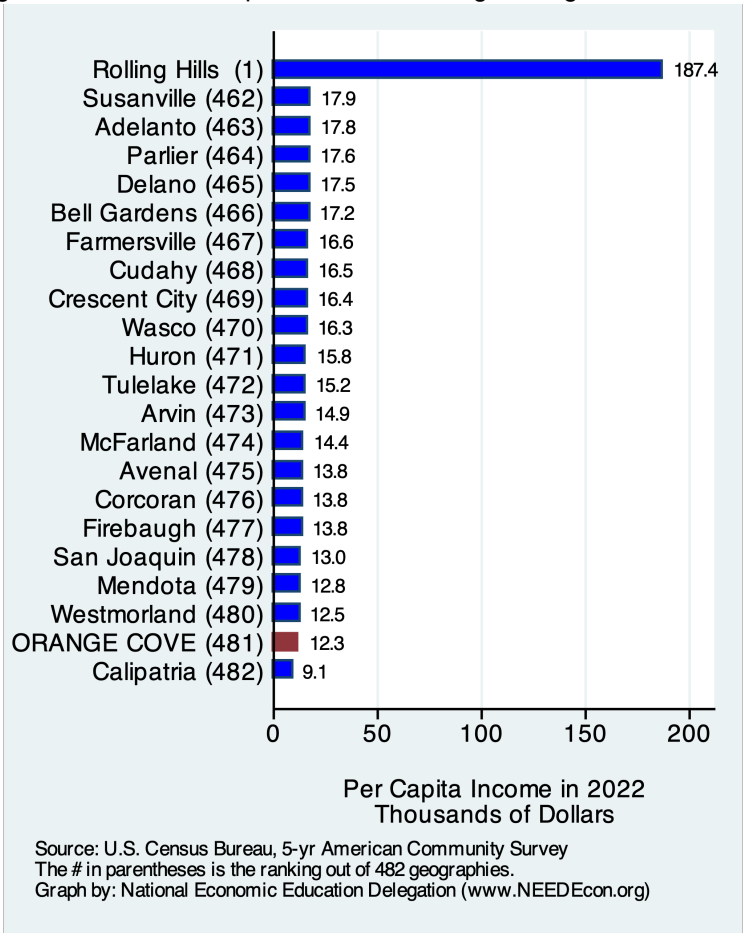
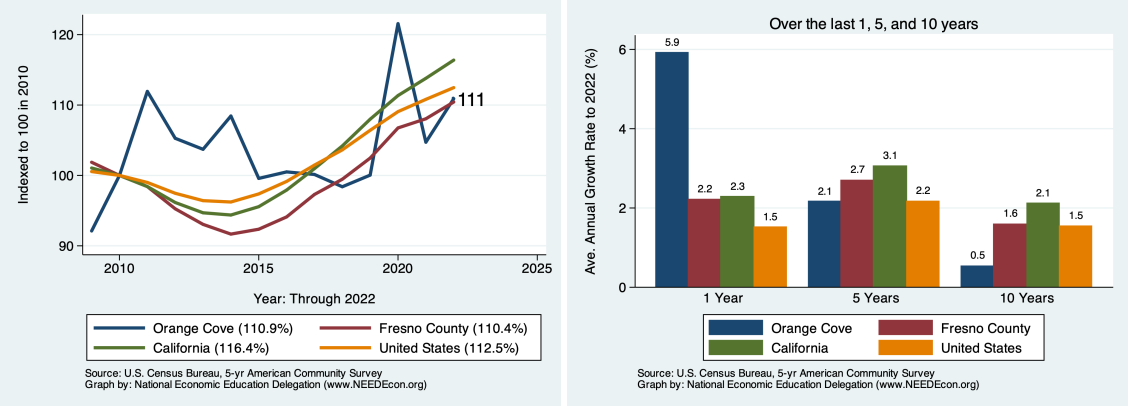


Figure 25: Regional Comparison of Growth over Time



Real Per Capita Income Ranking Among California Cities - w/Comparable Populations

Figure 26: Income Levels

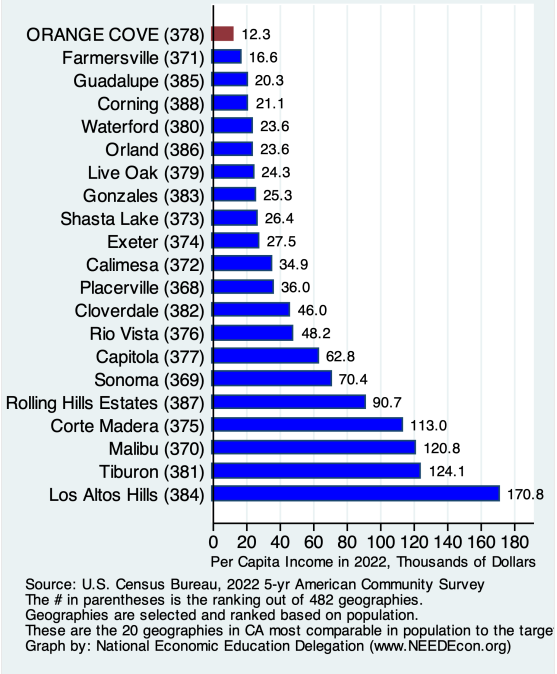
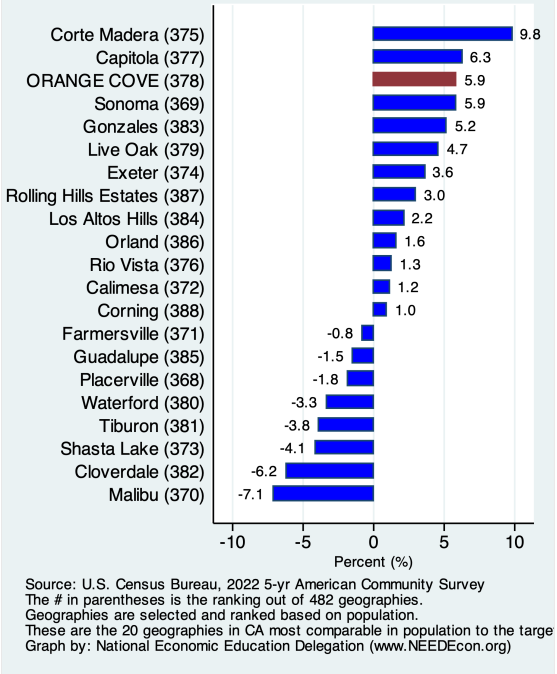


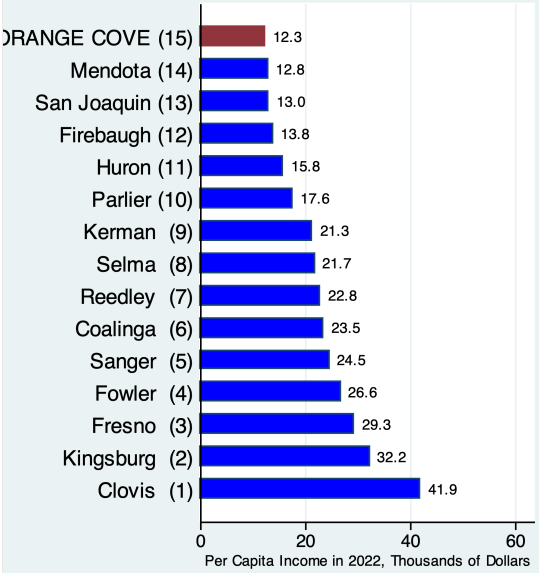
Figure 27: Growth over Time



Jon Haveman, Ph.D. ● National Economic Education Delegation
Jon@NEEDEcon.org ● 415-336-5705

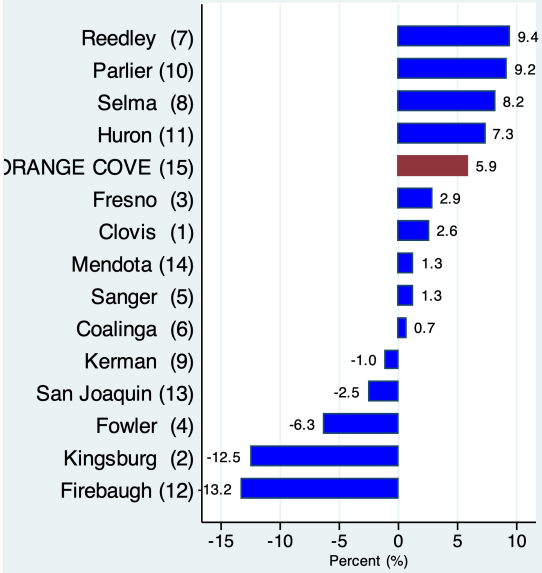
Real Per Capita Income Ranking Among Cities in Fresno County

Figure 28: Income Levels



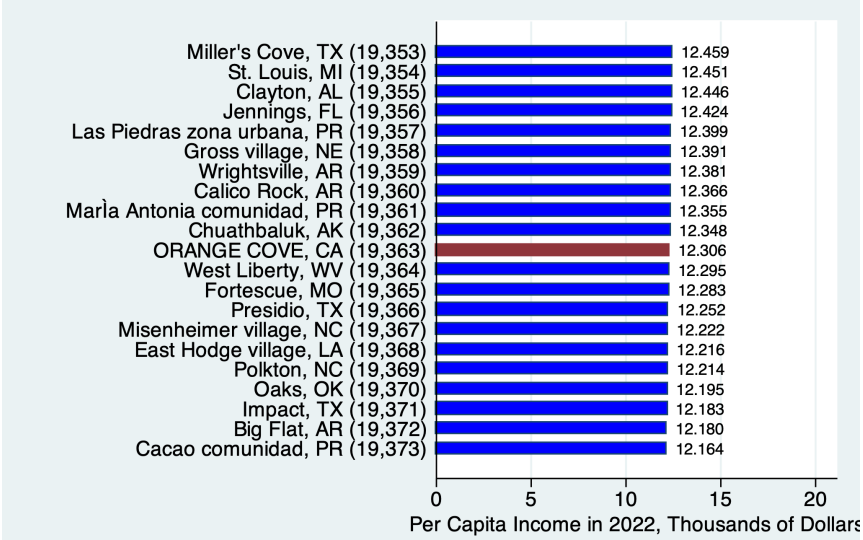
Source: U.S. Census Bureau, 2022 5-yr American Community Survey
The # in parentheses is the ranking out of 15 geographies.
Geographies are selected and ranked based on population.
These are the cities in the same county as the target city.
Graph by: National Economic Education Delegation (www.NEEDEcon.org)

Figure 29: Growth over Time



Source: U.S. Census Bureau, 2022 5-yr American Community Survey
The # in parentheses is the ranking out of 15 geographies.
Geographies are selected and ranked based on population.
These are the cities in the same county as the target city.
Graph by: National Economic Education Delegation (www.NEEDEcon.org)

Figure 30: Comparison with All Cities Nationwide



Source: U.S. Census Bureau, 5-yr American Community Survey
The # in parentheses is the ranking out of 19,695 geographies.
Graph by: National Economic Education Delegation (www.NEEDEcon.org)

Jon Haveman, Ph.D. • National Economic Education Delegation
Jon@NEEDEcon.org • 415-336-5705

Poverty and Inequality

Definition:

The local poverty rate provides an indication of the well-being of those at the bottom of the income distribution. The federal poverty rate measures the proportion of households in the region that are classified as living in poverty. Also included are measures of the extent to which the City's children are impoverished. Measures of the income distribution provide further evidence on disparities in income in the region and how those disparities have changed over time.

Why is it important?

It is important to track measures of poverty and inequality to assess the extent of income disparities in the region, with an eye toward understanding how well the local economy is performing for all of its citizens.

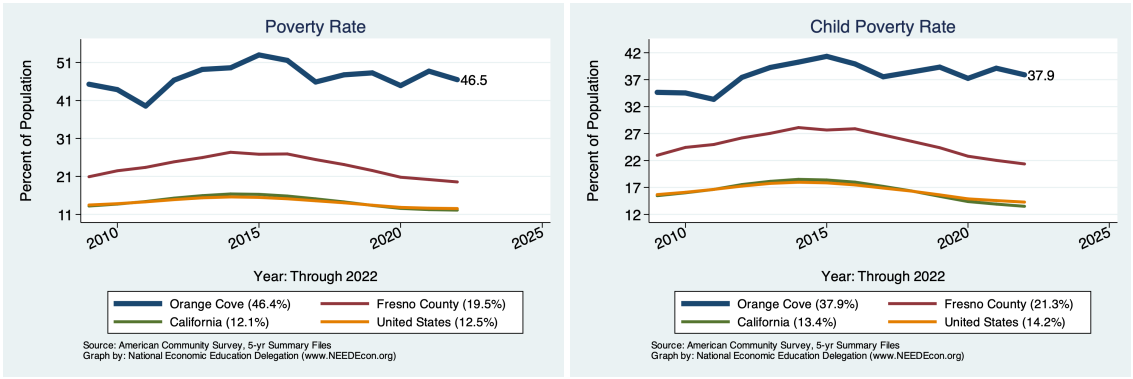
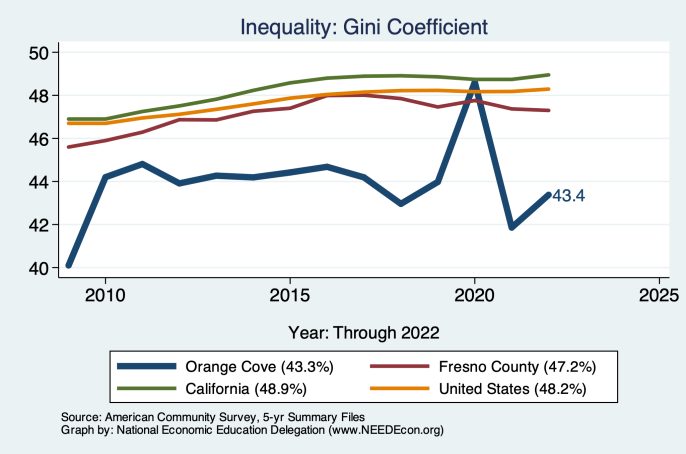
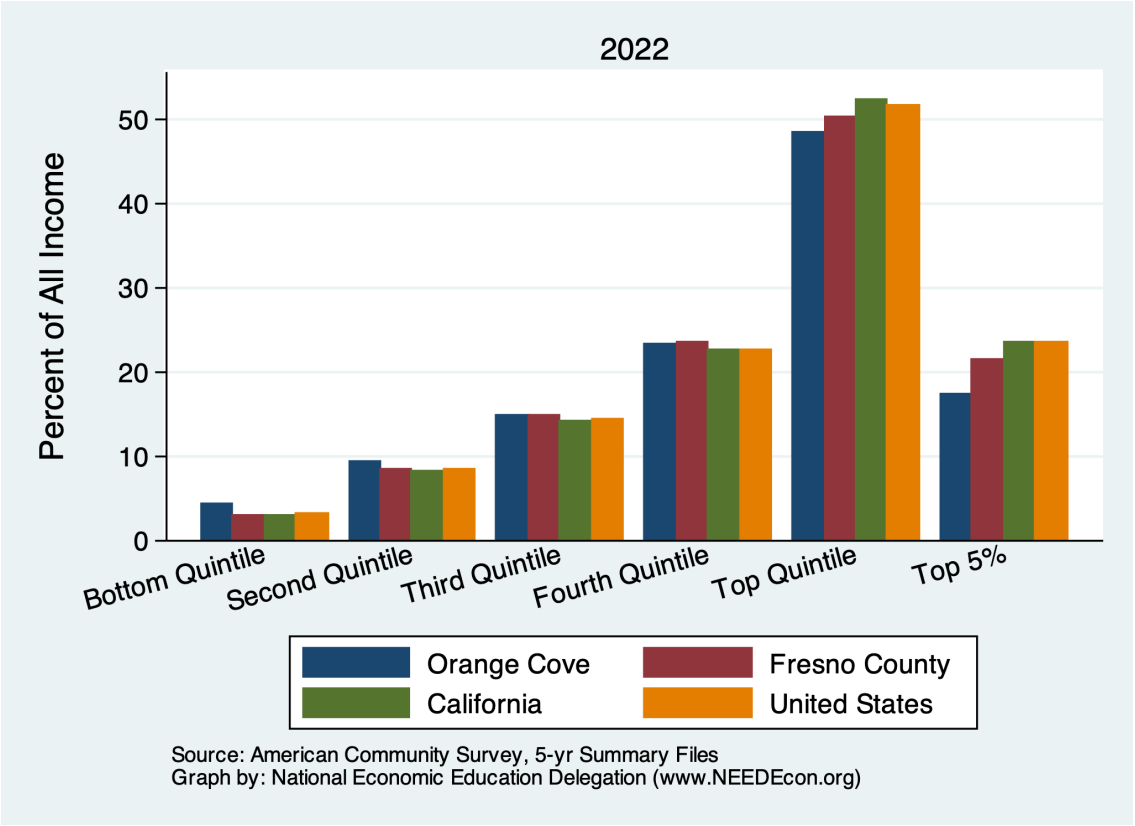


Figure 31: Inequality



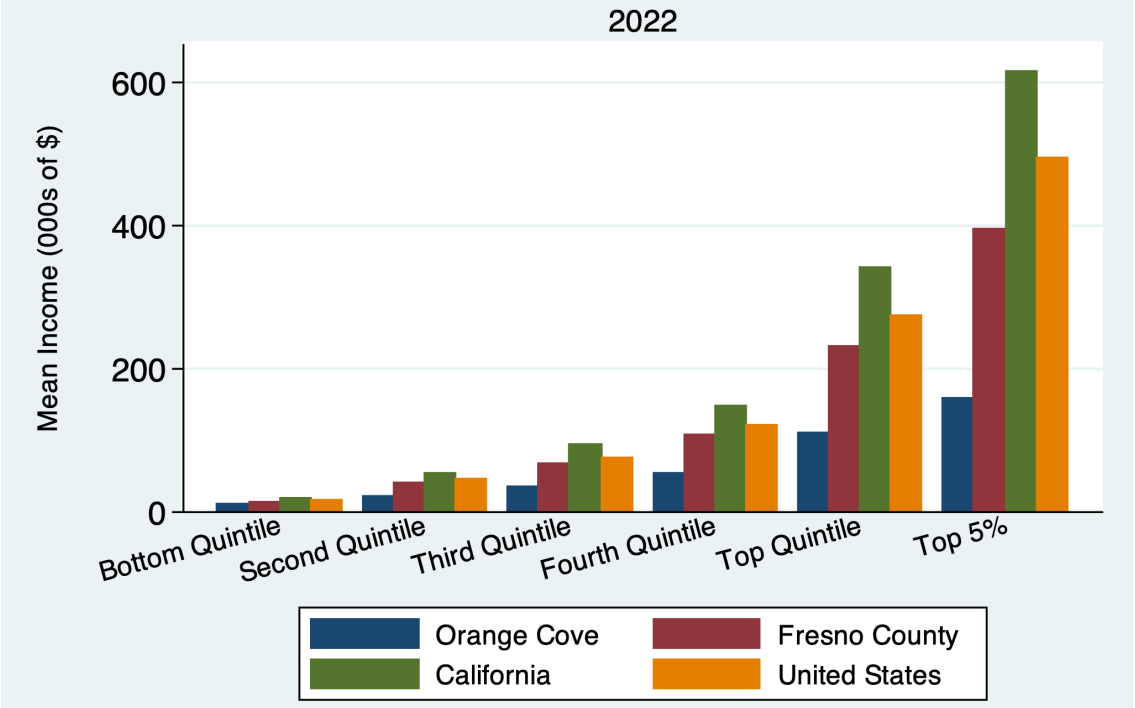
Jon Haveman, Ph.D. • National Economic Education Delegation
Jon@NEEDEcon.org • 415-336-5705

Figure 32: Shares Across the Income Distribution



Source: American Community Survey, 5-yr Summary Files
Graph by: National Economic Education Delegation (www.NEEDEcon.org)

Figure 33: Means Across the Income Distribution



Source: American Community Survey, 5-yr Summary Files
Graph by: National Economic Education Delegation (www.NEEDEcon.org)

Jon Haveman, Ph.D. • National Economic Education Delegation
Jon@NEEDEcon.org • 415-336-5705

Housing

Housing Costs and Affordability

Definition:

Housing costs are measured in several different ways. First, we provide evidence on the evolution of median home prices, median rental price, and finally through evidence on the housing burden in the city and comparison regions. Housing burden is defined as a household needing to commit more than 30% of their household income toward housing costs. The median value is the amount in the middle. Fifty percent of units are above the median and 50 percent are below.

Why is it important?

Housing is one of three fundamental necessities, along with food and clothing. A measure of the cost of housing is an integral part of the measurement of the cost of living in a specific community. This is particularly true in cities and regions throughout the Bay Area, where housing costs are high relative to income.

Cost of Housing in Orange Cove and Broader Regions

Figure 34: Median Home Prices

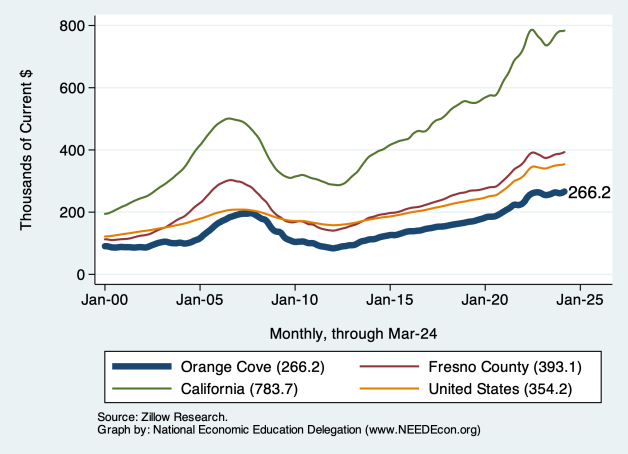


Figure 35: Median Rents

N/A

Housing Ownership in Orange Cove and Broader Regions

Figure 36: Home Ownership Rates

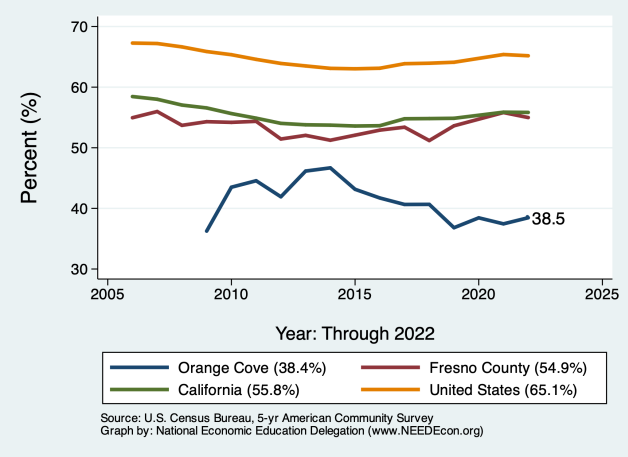


Figure 37: Home Ownership by Age

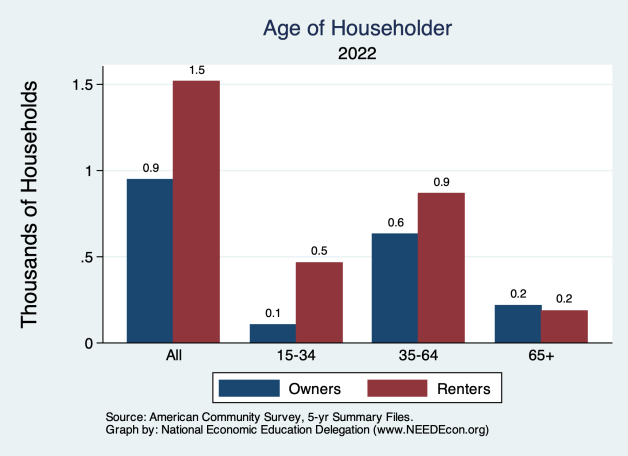
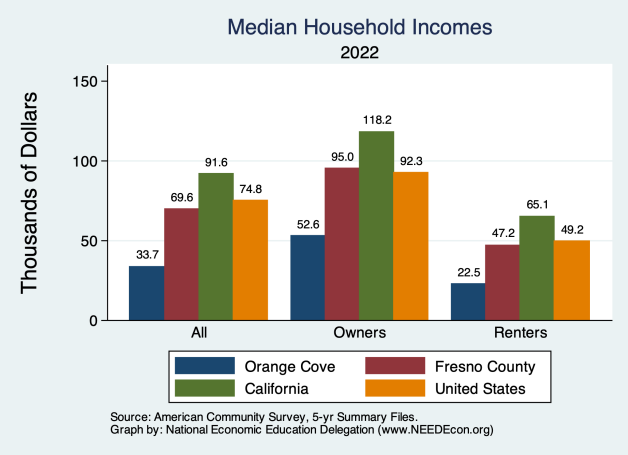


Figure 38: Income by Tenure



Jon Haveman, Ph.D. • National Economic Education Delegation
Jon@NEEDEcon.org • 415-336-5705

Figure 39: Income Distribution by Tenure

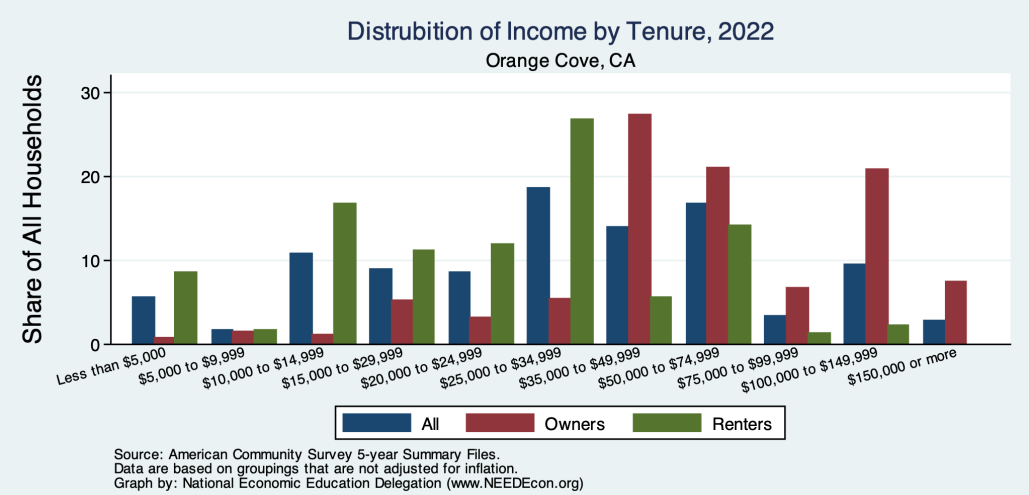


Figure 40: Income Distribution of Home Owners

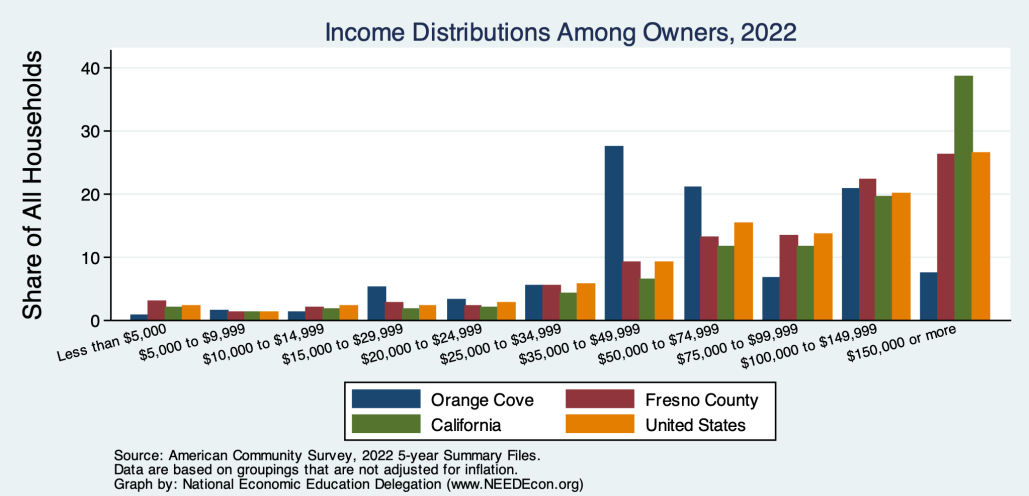
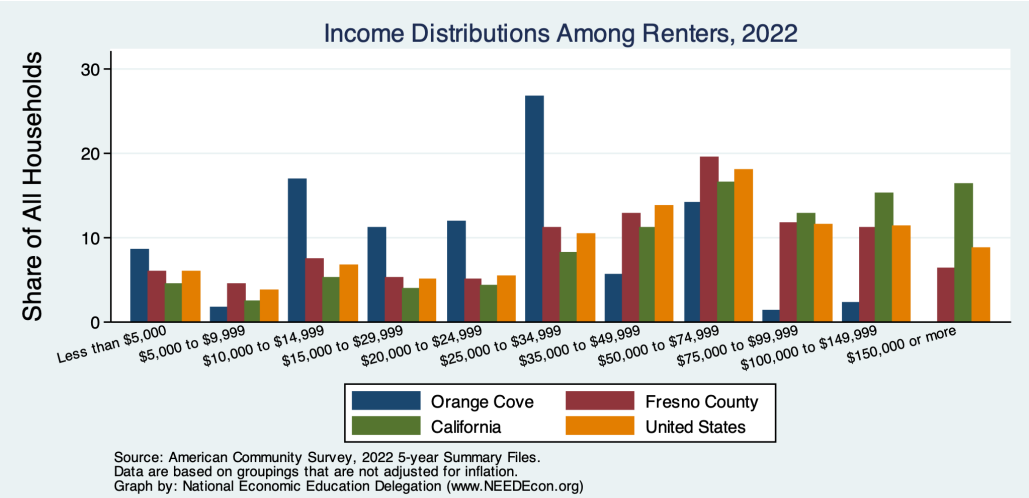


Figure 41: Income Distribution of Renters



Housing Burden in Orange Cove and Broader Regions

Figure 42: Home Owners w/ A Mortgage

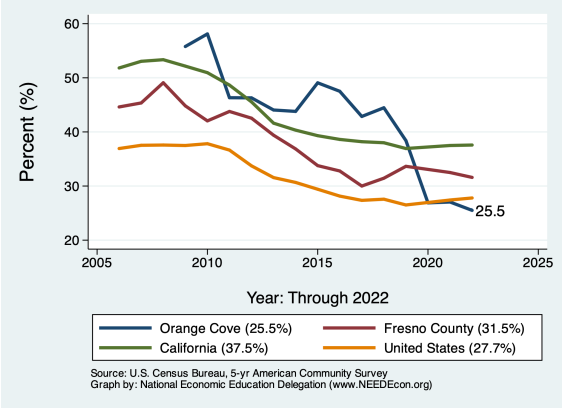


Figure 43: Home Owners w/o A Mortgage

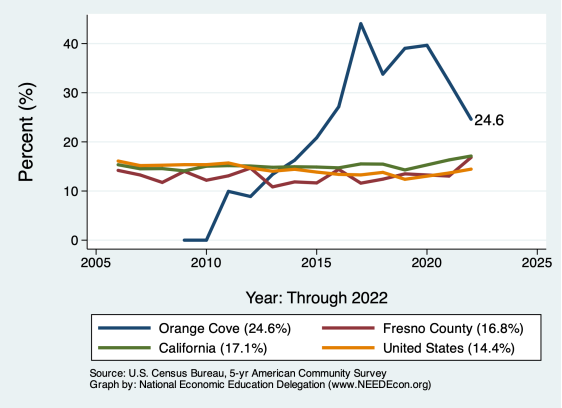


Figure 44: Renters

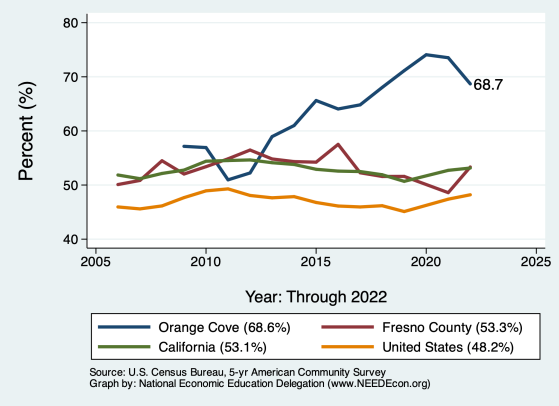
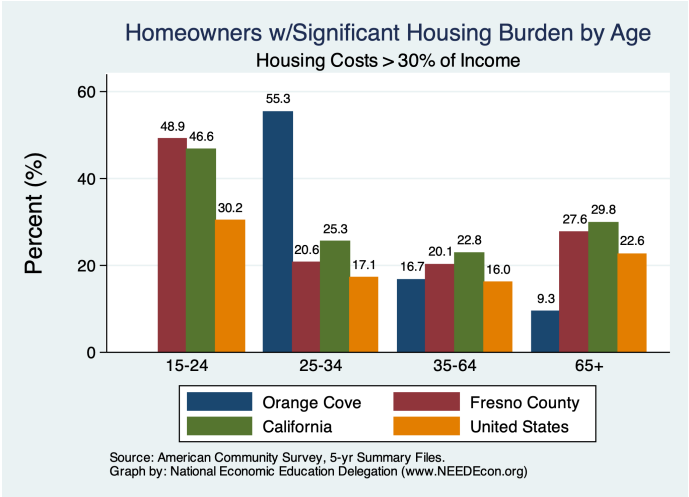


Figure 45: Homeowner Housing Burden by Age



Jon Haveman, Ph.D. • National Economic Education Delegation
Jon@NEEDEcon.org • 415-336-5705

Housing Picture

Definition:

Housing costs are measured in several different ways. First, we provide evidence on the evolution of median home prices, median rental price, and finally through evidence on the housing burden in the city and comparison regions. The median value is the amount in the middle. Fifty percent of units are above the median and 50 percent are below.

Why is it important?

In areas where the rate of population growth exceeds the rate of housing growth, this is likely to reflect a tightening housing market. A tightening housing market will also likely be reflected in lower vacancy rates and higher occupancy rates. It may also be reflected in higher numbers of people per household.

Table 5. Housing Market Indicators

Indicator	2023	2019	2010	% Change from 2019	% Change from 2010
Total Population	9,463.0	9,460.0	9,078.0	0.0	4.2
Total # of Homes	2,490.0	2,314.0	2,231.0	7.6	11.6
# Occupied Units	2,414.0	2,119.0	2,068.0	13.9	16.7
Persons per Household	3.9	4.5	4.4	-12.2	-10.7
Vacancy Rate (%)	3.1	8.4	7.3	-63.8	-58.2

Source: CA DOF; Calculations by the National Economic Education Delegation

Figure 46: Housing Growth

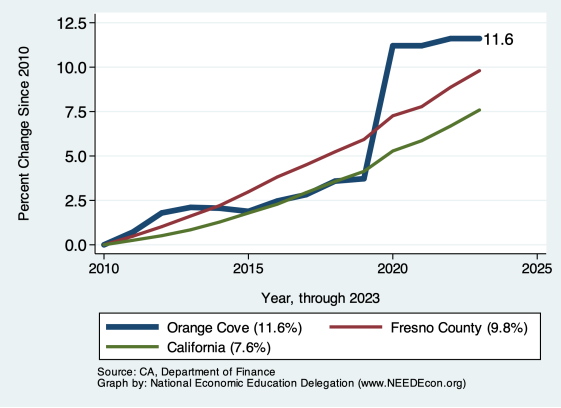


Figure 47: Persons per Household

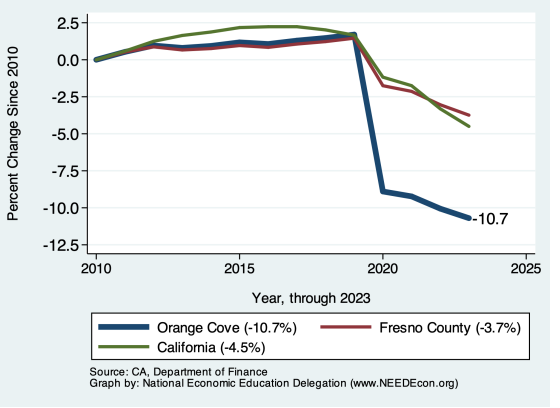


Figure 48: Vacancy Rates

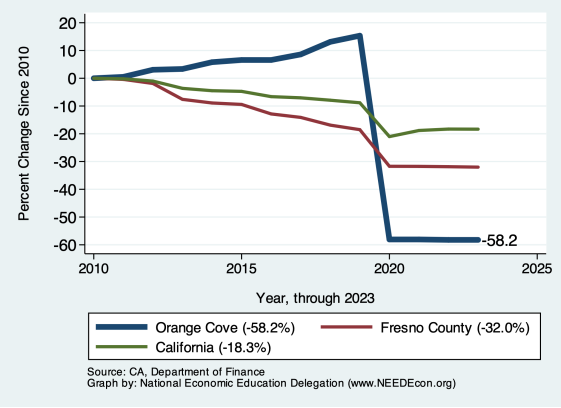
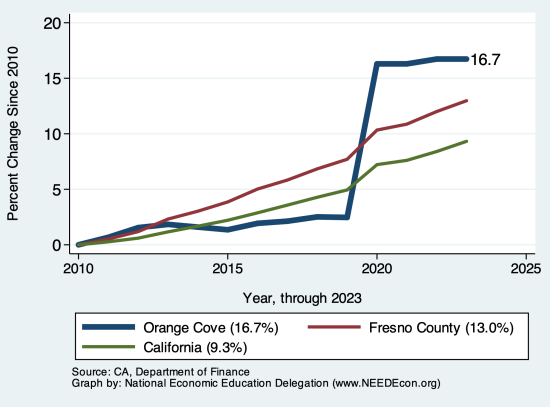


Figure 49: Number of Occupanied Units



Trends in the Growth of Housing by Housing Type

Figure 50: Single Detached Homes

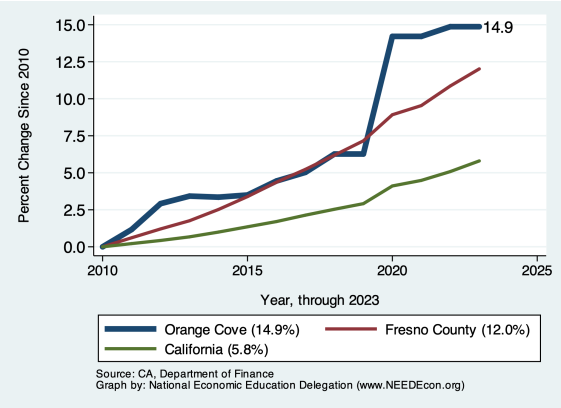


Figure 51: Single Attached Homes

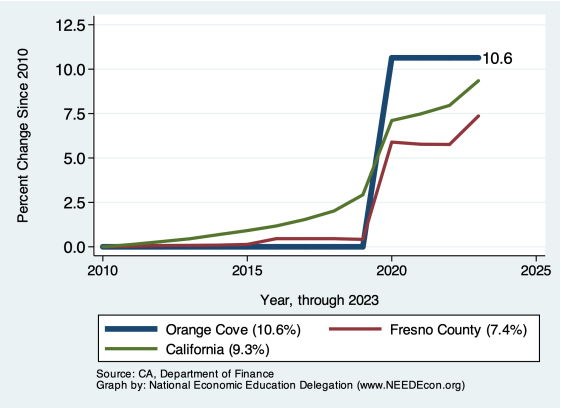


Figure 52: Housing in Buildings with Two to Four Units

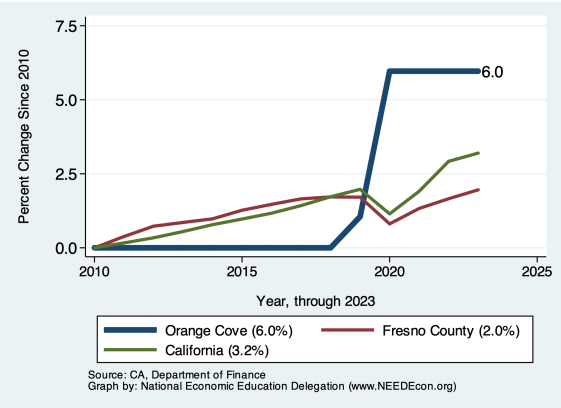
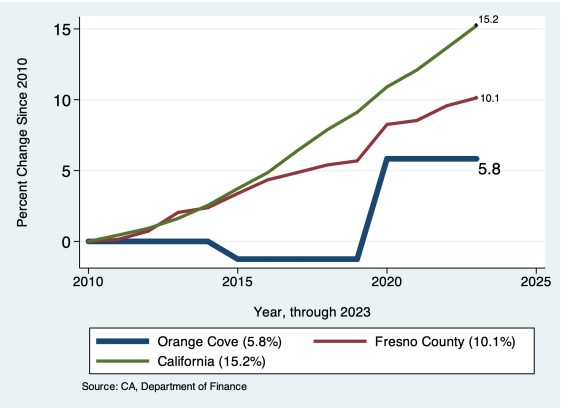


Figure 53: Housing in Buildings with Five or More Units



Jon Haveman, Ph.D. ● National Economic Education Delegation
Jon@NEEDEcon.org ● 415-336-5705

Vintage of Residential Housing

Why is it important?

This section provides evidence on the year in which residential housing in Orange Cove was built. We break it down into owned versus rented residences and provide a comparison across Fresno County and broader regions. A sense of the age of housing in a region provides an indication of the urgency with which a region might pursue additional housing. As the housing stock ages, an urgency with which renovations and rebuilds are permitted might result. All things equal, more recently constructed housing will be more likely to meet current codes and standards. Remodeling of existing units will be more desirable when existing units are, on average, older.

Figure 54: Distribution of Housing Construction

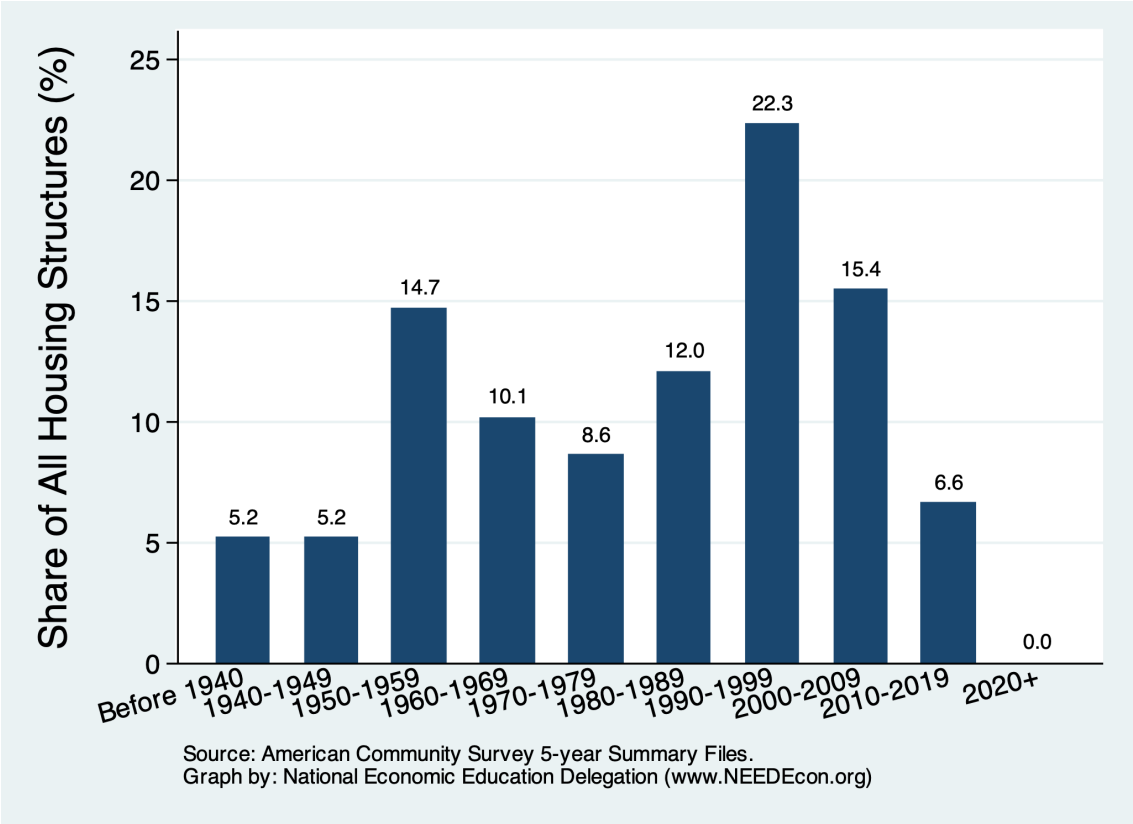


Figure 55: Housing Vintage across Regions

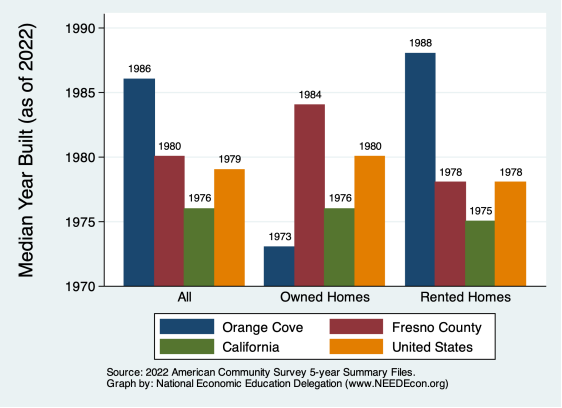


Figure 56: Housing Vintage by Tenure

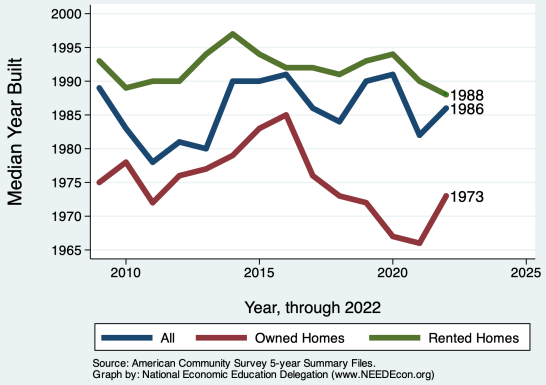


Figure 57: Vintage of Owned Residences

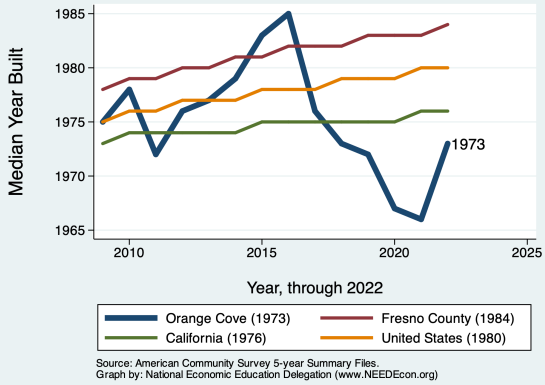


Figure 58: Vintage of Rented Residences

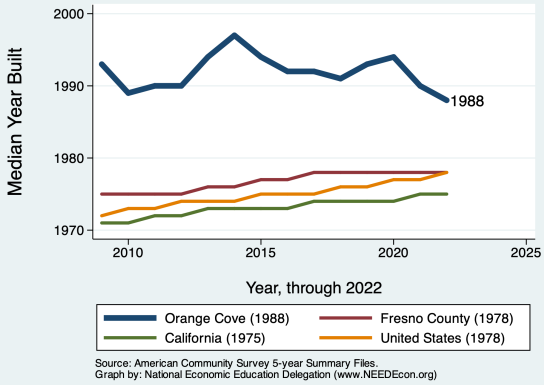
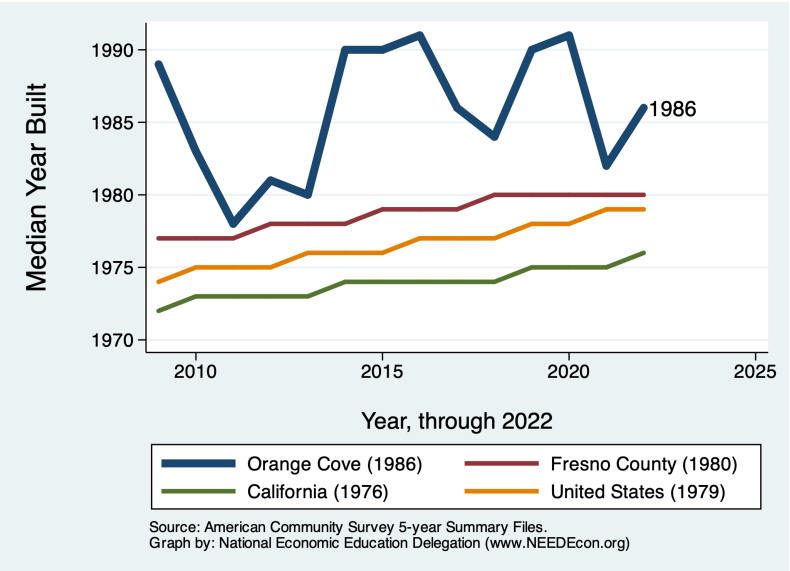


Figure 59: Vintage of All Residences



Jon Haveman, Ph.D. • National Economic Education Delegation
Jon@NEEDEcon.org • 415-336-5705

Occupation of Residential Housing

Why is it important?

The duration of residence in a city is important for developing future policies regarding growing the local population. If a region is highly mobile, evidenced by most residences having been recently occupied, a city might propose policies to reduce that mobility, or ask why the mobility happens. Policies could be put in place to either reduce or increase migration.

Figure 60: Year Current Occupant Moved In

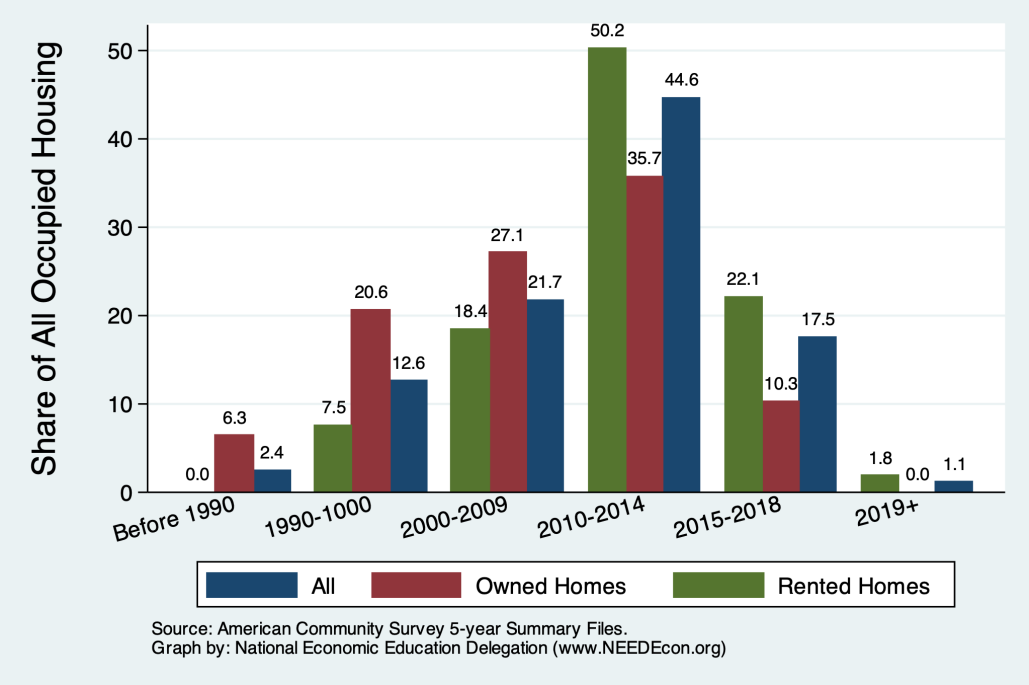


Figure 61: Year Occupied by Current Residents across Regions

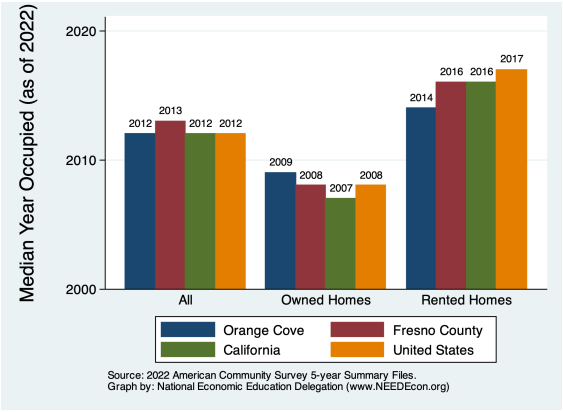
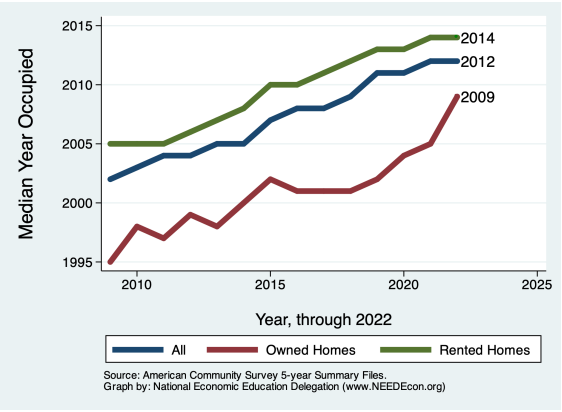


Figure 62: Year Occupied by Current Residents by Tenure



Jon Haveman, Ph.D. • National Economic Education Delegation
Jon@NEEDEcon.org • 415-336-5705

Figure 63: Year Occupied by Current Residents for Owned Housing

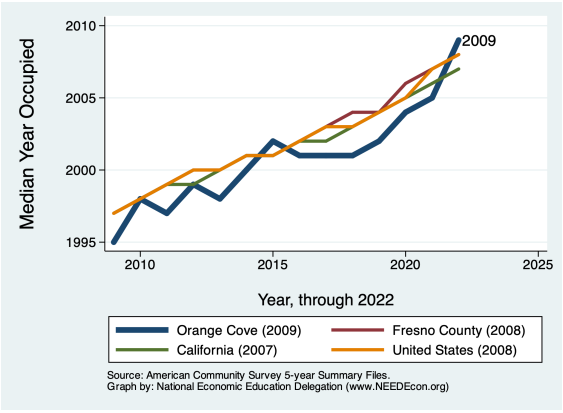


Figure 64: Year Occupied by Current Residents for Rented Housing

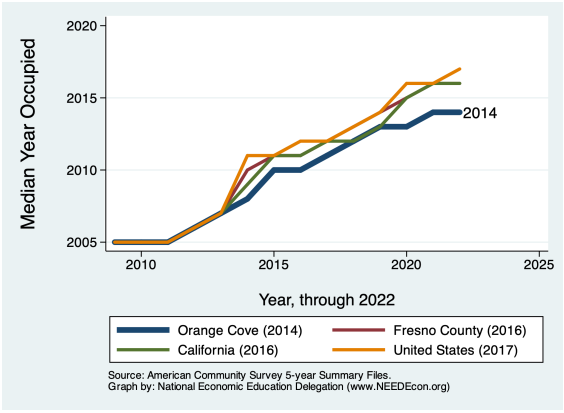
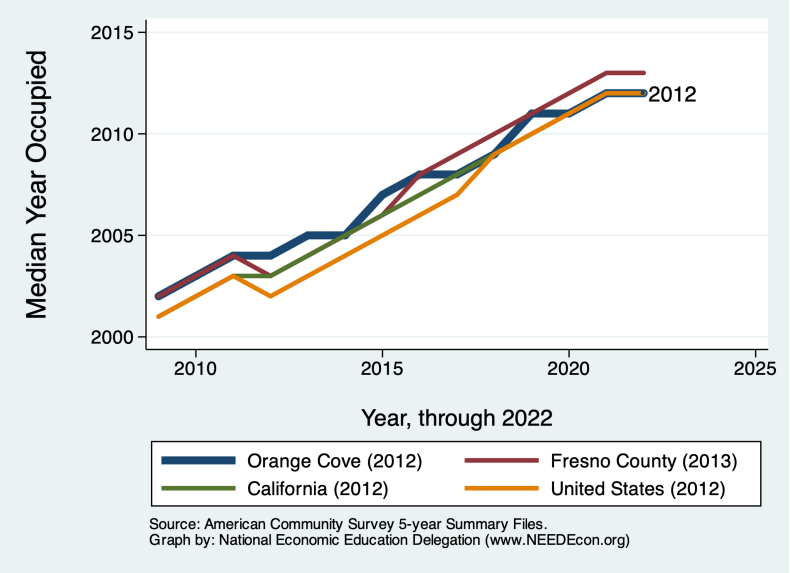


Figure 65: Year Occupied by Current Residents for All Housing



Residential Permitting

Definition:

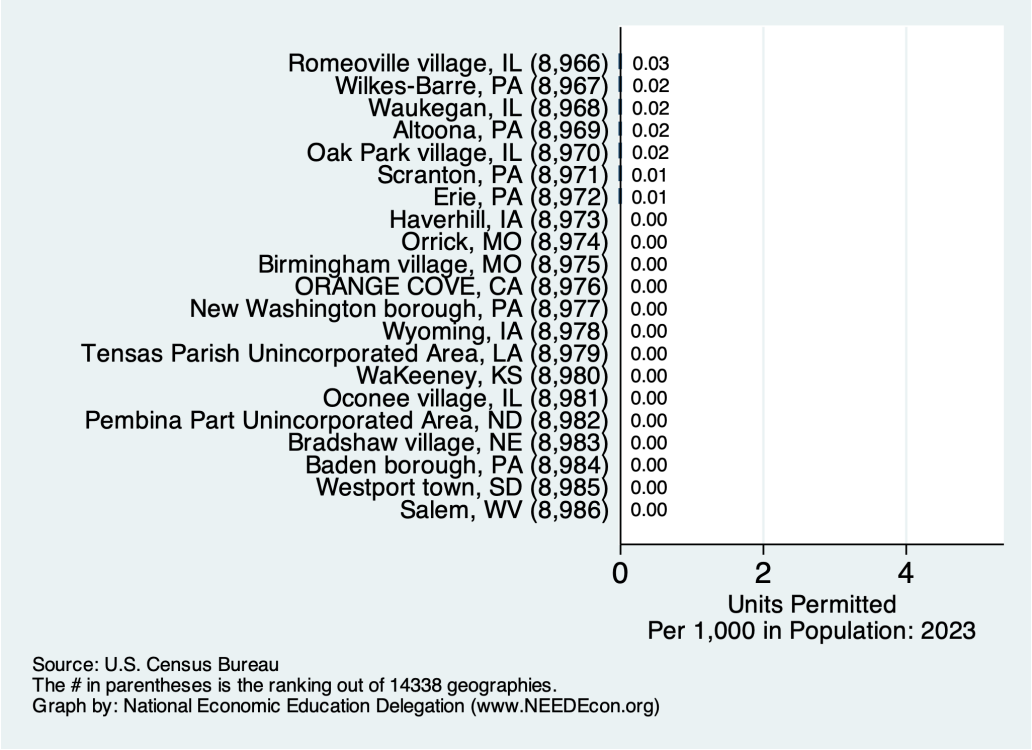
This indicator provides evidence on the number of residential buildings that are permitted for construction each year. Permit data for Orange Cove is compared with data from Fresno County as a whole and broader regions. The statistic provided scales the number of permits by population. This is done to facilitate comparisons across regions.

Why is it important?

Building permits are the best indicator available of new units coming on the market. In order for a region's population to grow and flourish, new residential properties must be added to the existing stock. Building, both in the City and in the County more generally, is an indication of the extent to which new residences accommodate new residents or are affecting prices through increased supply.

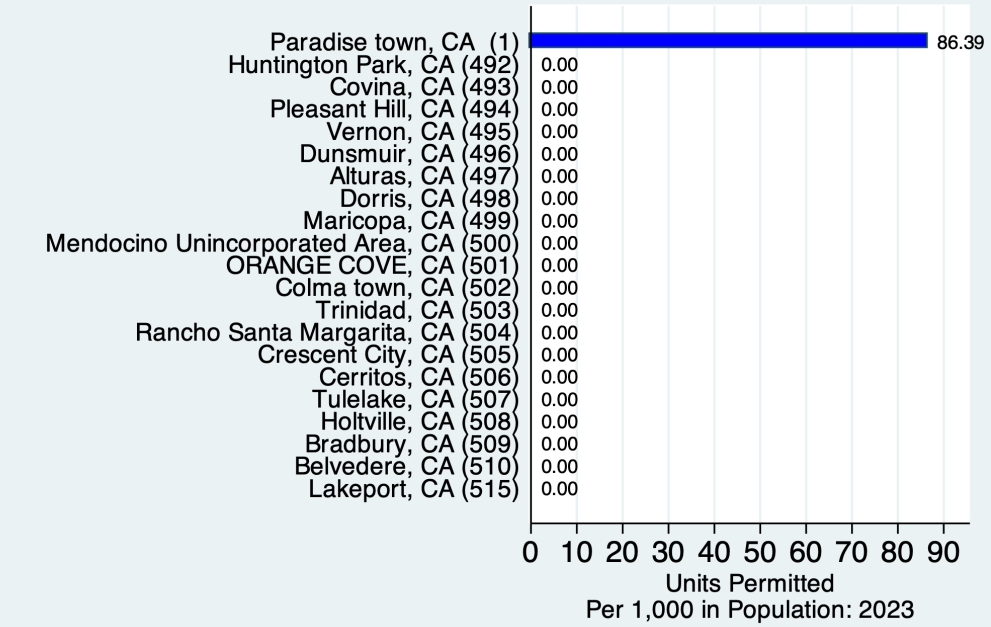
Orange Cove - Ranking Among Comparables

Figure 66: Number of Units Permitted - Nationwide Comparables (Rank)



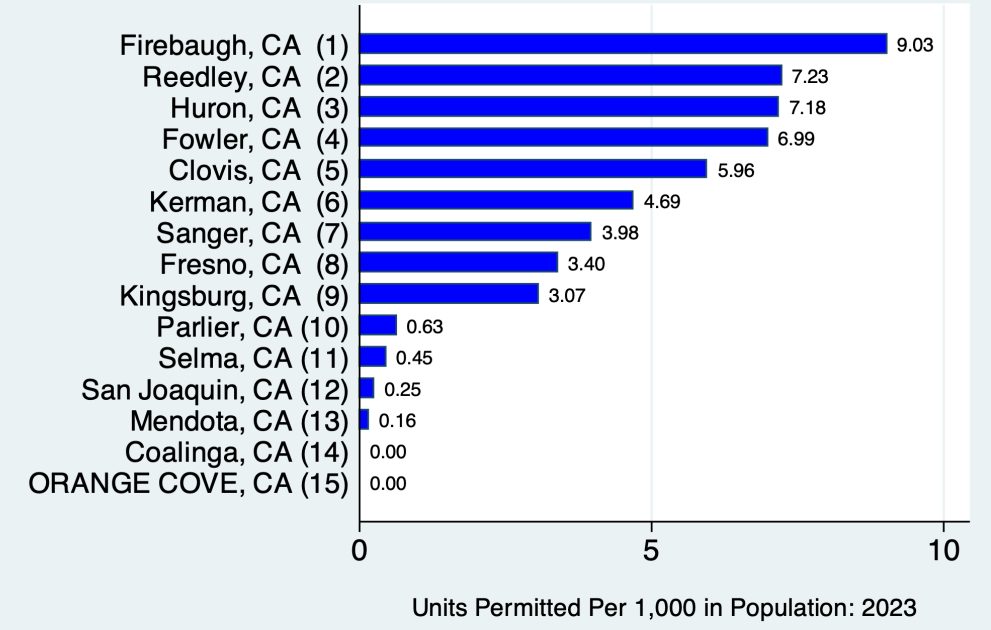
Source: U.S. Census Bureau
The # in parentheses is the ranking out of 14338 geographies.
Graph by: National Economic Education Delegation (www.NEEDEcon.org)

Figure 67: Number of Units Permitted - California Comparables (Rank)



Source: U.S. Census Bureau.
The # in parentheses is the ranking out of 515 geographies.
Graph by: National Economic Education Delegation (www.NEEDEcon.org)

Figure 68: Number of Units Permitted - Cities in Fresno County (Rank)



Source: U.S. Census Bureau,
The # in parentheses is the ranking out of 15 geographies.
Graph by: National Economic Education Delegation (www.NEEDEcon.org)

Orange Cove - Permitting Activity

Annual Units Permitted - Per Capita in Orange Cove

Figure 69: Units Permitted Each Year

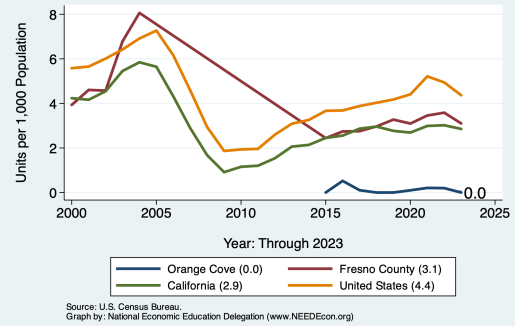
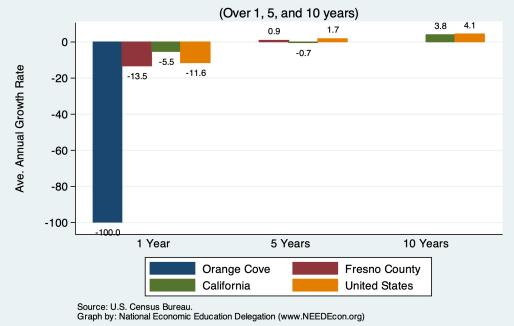


Figure 70: Average Annual Growth in Units Permitted



Annual Number of Buildings Permitted - Per Capita in Orange Cove

Figure 71: Units Permitted Each Year

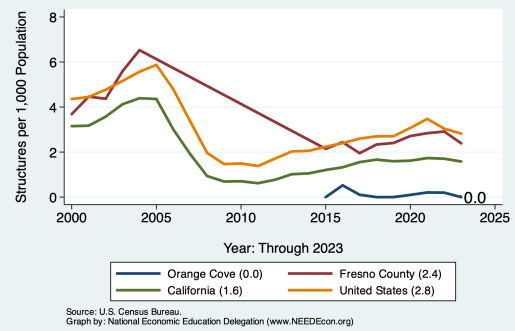
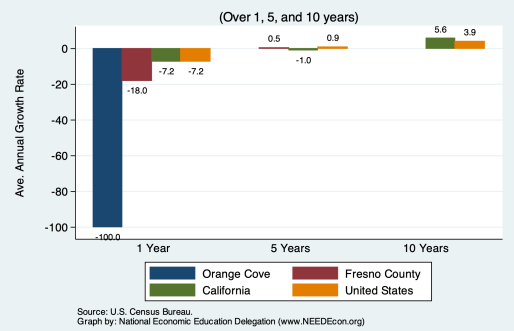


Figure 72: Average Annual Growth in Buildings Permitted



Annual Value of Property Permitted - Per Capita in Orange Cove

Figure 73: Value Permitted Each Year

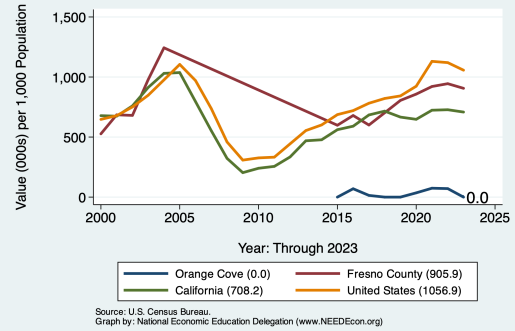
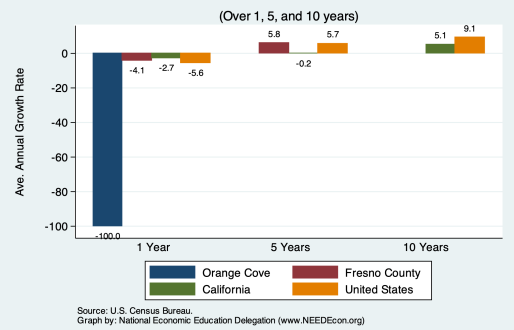


Figure 74: Average Annual Growth in Value Permitted



Commute Patterns

During the recovery from the Great Recession, the period from 2010 to 2019, the Bay Area economy, and Silicon Valley in particular, has been growing at a pace roughly double that of the state as a whole and triple that of the nation. This growth has precipitated a tight housing market and also brought about some significant changes in commute patterns, many of which have been reversed by the pandemic. Recent years have seen significant changes in both the mode of transportation and commute times.

Mode of Transportation

Figure 75: Percent of Workers Commuting by Car Alone

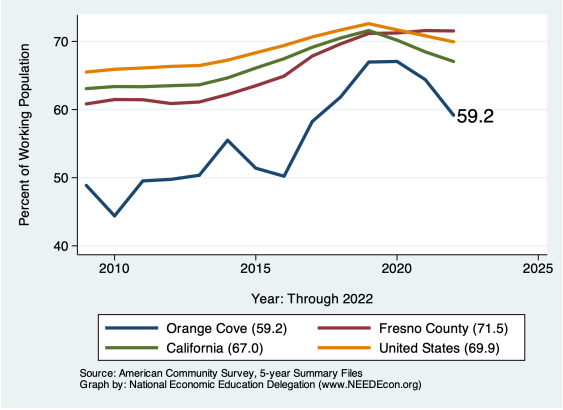


Figure 76: Percent of Workers Commuting by Carpool

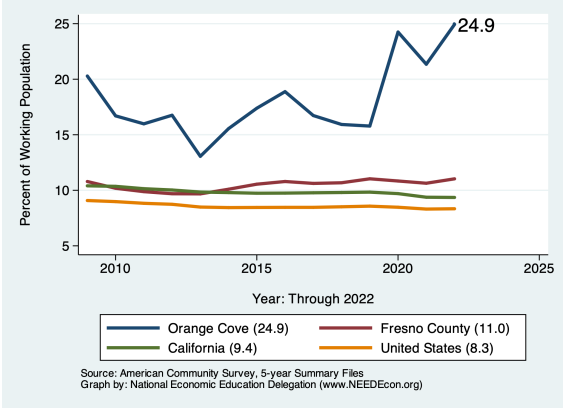


Figure 77: Percent of Workers using Public Transportation

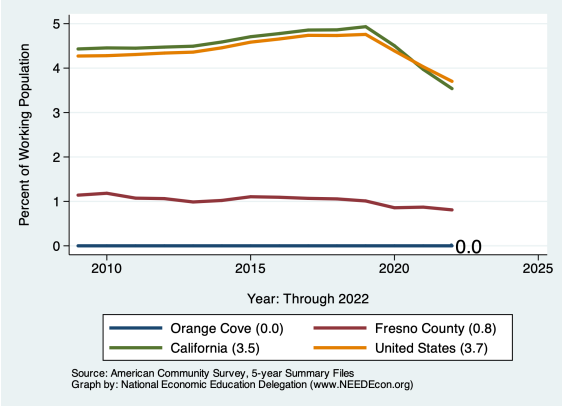
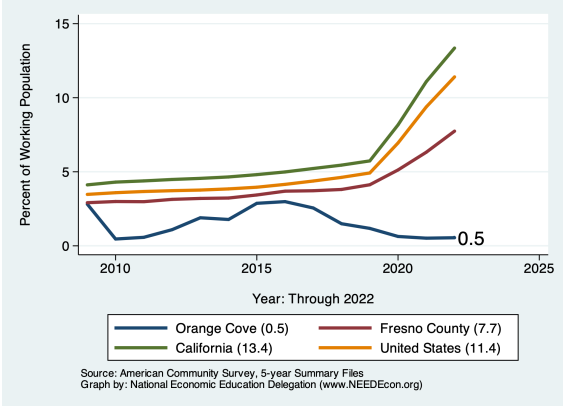


Figure 78: Percent of Workers Who Work From Home



Jon Haveman, Ph.D. • National Economic Education Delegation
Jon@NEEDEcon.org • 415-336-5705

The first table on this page presents data for those who LIVE in Orange Cove. The second provides data on those who work, but do not necessarily live in Orange Cove. The final two columns provide for a comparison of commute mode choices of people locally with those in California more broadly.

Table 6. SEX OF WORKERS BY MODE OF TRANSPORTATION TO WORK

	Male		Female		All Workers		All of CA
Mode of Transit	#	(%)	#	(%)	#	(%)	(%)
Car, Truck, or Van:	1,660	84.8	1,271	83.2	2,931	84.1	78.0
Drove Alone	1,134	57.9	928	60.8	2,062	59.2	68.4
Carpooled:	526	26.9	343	22.5	869	24.9	9.5
In 2-person carpool	340	17.4	152	10.0	492	14.1	6.9
In 3-person carpool	71	3.6	191	12.5	262	7.5	1.5
In 4-or-more-person carpool	115	5.9	0	0.0	115	3.3	1.1
Public Transportation (excl Taxi):	0	0.0	0	0.0	0	0.0	3.6
Bus or Trolley Bus	0	0.0	0	0.0	0	0.0	2.3
Streetcar or Trolley Car	0	0.0	0	0.0	0	0.0	0.8
Subway or Elevated	0	0.0	0	0.0	0	0.0	0.3
Railroad	0	0.0	0	0.0	0	0.0	0.2
Ferryboat	0	0.0	0	0.0	0	0.0	0.1
Bicycle	0	0.0	0	0.0	0	0.0	0.7
Walked	53	2.7	11	0.7	64	1.8	2.4
Taxicab, Motorcycle, or other	102	5.2	88	5.8	190	5.5	1.7
Worked at Home	0	0.0	19	1.2	19	0.5	13.6
Total:	1,815	92.7	1,389	91.0	3,204	91.9	

Source: 2022 5-year American Community Survey, Summary File

Table 7. SEX OF WORKERS BY MODE OF TRANSPORTATION TO WORK FOR WORKPLACE GEOGRAPHY

	Male		Female		All Workers		All of CA
Mode of Transit	#	(%)	#	(%)	#	(%)	(%)
Car, Truck, or Van:	758	94.6	588	67.7	1,346	84.0	78.0
Drove Alone	648	80.9	516	59.4	1,164	72.6	68.5
Carpooled:	110	13.7	72	8.3	182	11.4	9.5
In 2-person carpool	45	5.6	64	7.4	109	6.8	6.9
In 3-person carpool	33	4.1	2	0.2	35	2.2	1.5
In 4-or-more-person carpool	32	4.0	6	0.7	38	2.4	1.1
Public Transportation (excl Taxi):	0	0.0	0	0.0	0	0.0	3.6
Bus or Trolley Bus	0	0.0	0	0.0	0	0.0	2.3
Streetcar or Trolley Car	0	0.0	0	0.0	0	0.0	0.8
Subway or Elevated	0	0.0	0	0.0	0	0.0	0.3
Railroad	0	0.0	0	0.0	0	0.0	0.2
Ferryboat	0	0.0	0	0.0	0	0.0	0.1
Bicycle	0	0.0	0	0.0	0	0.0	0.7
Walked	32	4.0	0	0.0	32	2.0	2.4
Taxicab, Motorcycle, or other	0	0.0	8	0.9	8	0.5	1.7
Worked at Home	0	0.0	19	2.2	19	1.2	13.6
Total:	790	98.6	615	70.9	1,405	87.6	

Source: 2022 5-year American Community Survey, Summary File
The results in this table are for those who work in the region, regardless of the location of their residence.

Commute Times for Employed Residents

Table 8. SEX OF WORKERS BY TRAVEL TIME TO WORK

	Male		Female		All Workers		All of CA
Mode of Transit	#	(%)	#	(%)	#	(%)	(%)
Less than 5 minutes	0	0.0	6	0.4	6	0.2	2.0
5 to 9 minutes	170	8.7	160	10.5	330	9.5	7.5
10 to 14 minutes	131	6.7	142	9.3	273	7.9	12.2
15 to 19 minutes	133	6.8	250	16.5	383	11.1	15.0
20 to 24 minutes	367	18.9	159	10.5	526	15.2	14.3
25 to 29 minutes	108	5.6	60	3.9	168	4.9	6.3
30 to 34 minutes	303	15.6	252	16.6	555	16.0	15.0
35 to 39 minutes	59	3.0	110	7.2	169	4.9	2.9
40 to 44 minutes	193	9.9	0	0.0	193	5.6	4.3
45 to 59 minutes	198	10.2	205	13.5	403	11.6	8.6
60 to 89 minutes	79	4.1	26	1.7	105	3.0	7.9
90 or more minutes	74	3.8	0	0.0	74	2.1	4.0
Total:	1,815	93.4	1,370	90.2	3,185	92.0	

Source: 2022 5-year American Community Survey, Summary File

Figure 79: Percent of Employed Population With Commutes of More than 30 Minutes

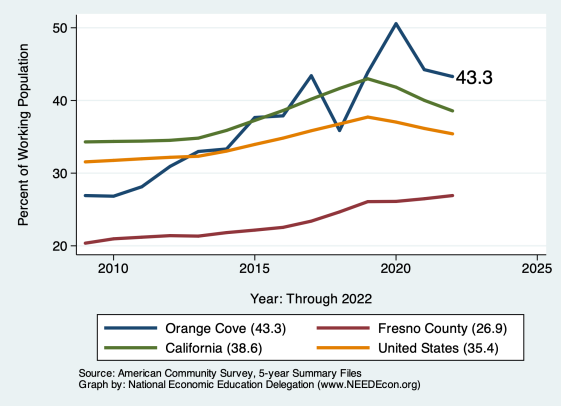


Figure 80: Percent of Employed Population With Commutes of More than 90 Minutes

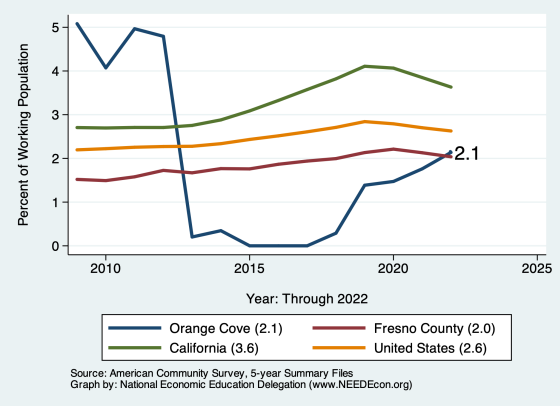
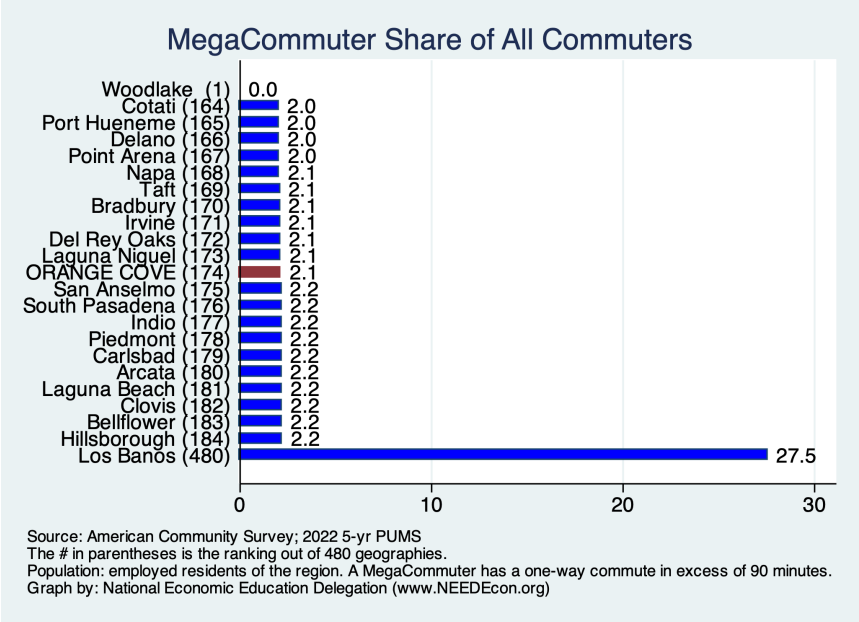


Figure 81: Rank: Share of MegaCommuters Across Similar Geographies



Jon Haveman, Ph.D. • National Economic Education Delegation
Jon@NEEDEcon.org • 415-336-5705

Commute Times for Those Employed in the City

Table 9. SEX OF WORKERS BY TRAVEL TIME TO WORK FOR WORKPLACE GEOGRAPHY

	Male		Female		All Workers		All of CA
Mode of Transit	#	(%)	#	(%)	#	(%)	(%)
Less than 5 minutes	0	0.0	6	0.7	6	0.4	2.0
5 to 9 minutes	111	14.1	111	13.0	222	14.1	7.5
10 to 14 minutes	0	0.0	87	10.2	87	5.5	12.2
15 to 19 minutes	131	16.6	238	28.0	369	23.5	15.0
20 to 24 minutes	107	13.5	41	4.8	148	9.4	14.3
25 to 29 minutes	32	4.1	0	0.0	32	2.0	6.3
30 to 34 minutes	129	16.3	50	5.9	179	11.4	15.0
35 to 39 minutes	63	8.0	23	2.7	86	5.5	2.9
40 to 44 minutes	45	5.7	0	0.0	45	2.9	4.3
45 to 59 minutes	158	20.0	0	0.0	158	10.1	8.6
60 to 89 minutes	14	1.8	34	4.0	48	3.1	7.9
90 or more minutes	0	0.0	6	0.7	6	0.4	4.0
Total:	790	100.0	596	70.0	1,386	88.3	

Source: 2022 5-year American Community Survey, Summary File
The results in this table are for those who work in the region, regardless of the location of their residence.

Figure 82: Percent of Local Employees With Commutes of More than 30 Minutes

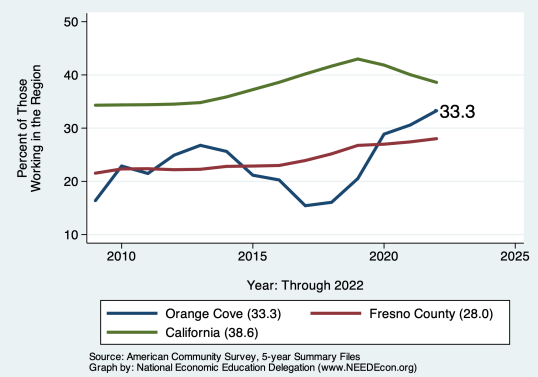


Figure 83: Percent of Local Employees With Commutes of More than 90 Minutes

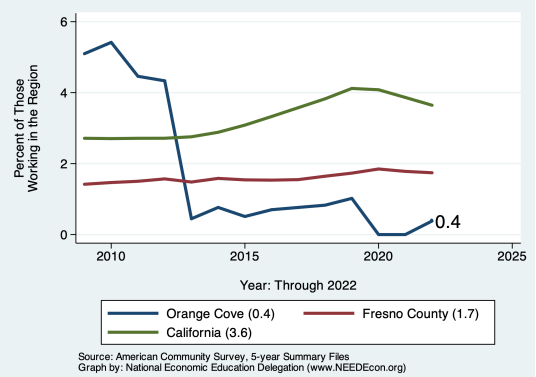
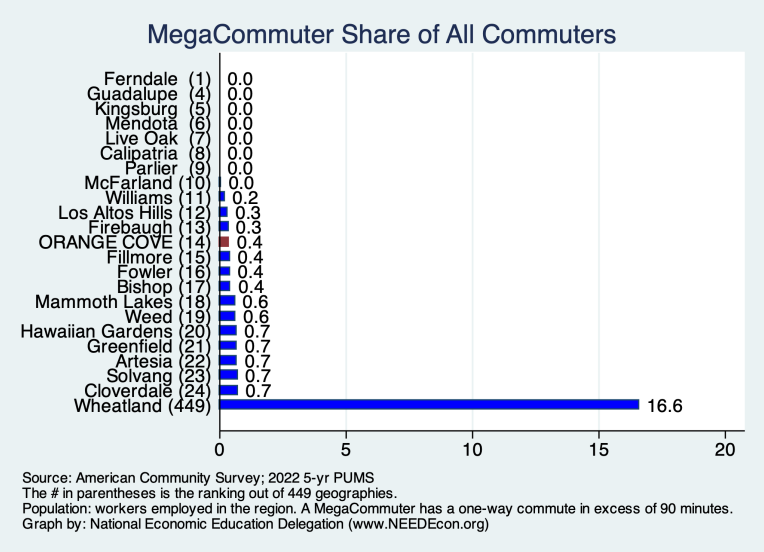


Figure 84: Rank: Share of MegaCommuters Across Similar Geographies



Place of Work

This section provides evidence on where workers living in Orange Cove work. As evidenced in the first table, some of Orange Cove's employed workers work in the City, but many do not. The first table and graph pair provide evidence at the county level while the second provide evidence with regard to working outside of the Orange Cove city boundary.

Table 10. SEX OF WORKERS BY PLACE OF WORK–STATE AND COUNTY LEVEL

	Male		Female		All Workers		All of CA
Place of Work	#	(%)	#	(%)	#	(%)	(%)
Worked in state of residence:	1,815	92.7	1,389	91.0	3,204	91.9	99.6
Worked in county of residence	1,338	68.3	1,025	67.1	2,363	67.8	84.1
worked outside of county of residence	477	24.4	364	23.8	841	24.1	15.4
Worked outside state of residence	0	0.0	0	0.0	0	0.0	0.4
Total:	1,815	92.7	1,389	91.0	3,204	91.9	

Source: 2022 5-year American Community Survey, Summary File

Figure 85: Percent of Workers Employed Outside of Their County of Residence

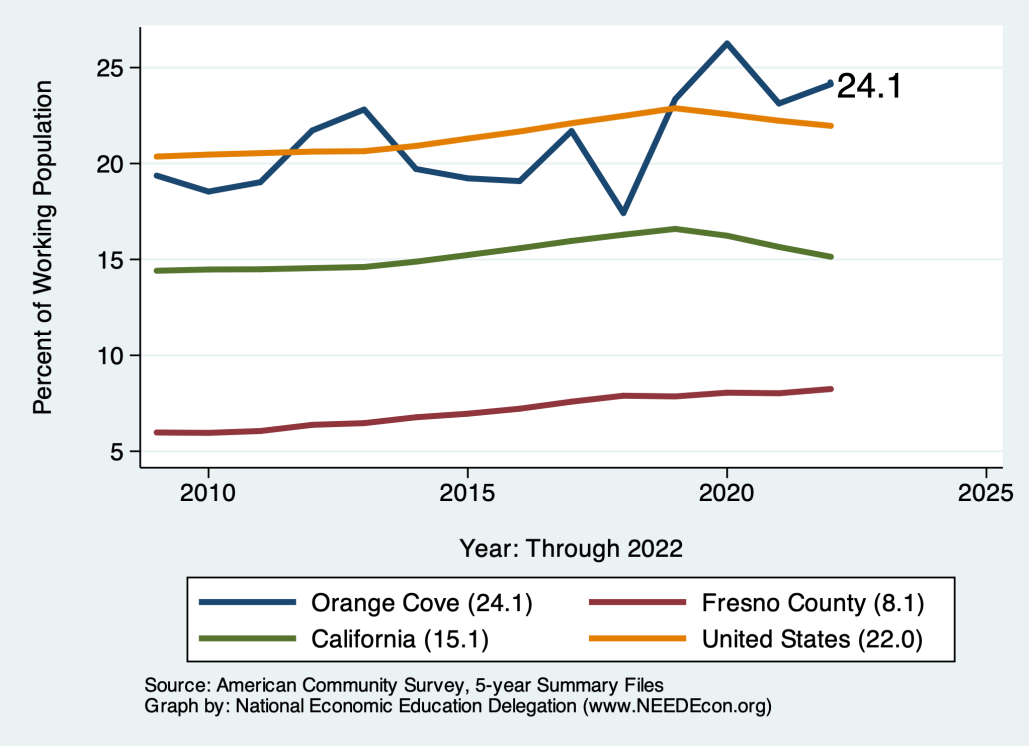
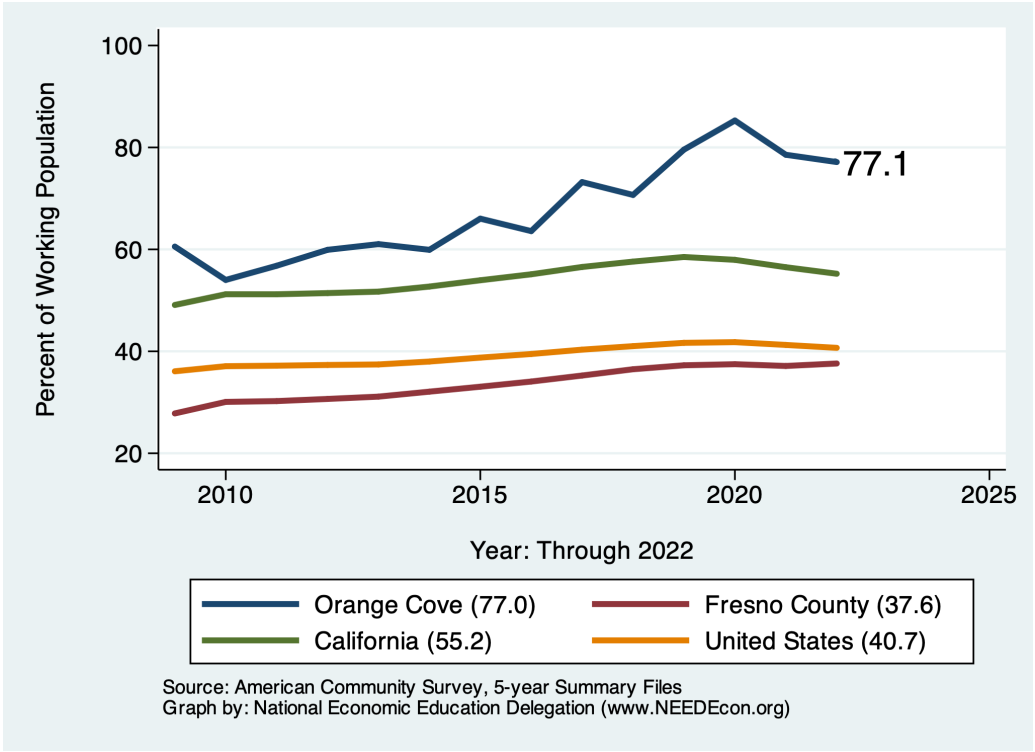


Table 11. SEX OF WORKERS BY PLACE OF WORK–PLACE LEVEL

Place of Work	Male #	Male (%)	Female #	Female (%)	All Workers #	All Workers (%)	All of CA (%)
Living in a place:	1,815	92.7	1,389	91.0	3,204	91.9	95.9
Worked in place of residence	268	13.7	248	16.2	516	14.8	39.5
Worked outside place of residence	1,547	79.0	1,141	74.7	2,688	77.1	56.4
Not living in a place	0	0.0	0	0.0	0	0.0	4.1
Total:	1,815	92.7	1,389	91.0	3,204	91.9	

Source: 2022 5-year American Community Survey, Summary File

Figure 86: Percent of Workers Employed Outside of Their Place of Residence



Commute Mode by Income

Table 12. MEDIAN EARNINGS IN THE PAST 12 MONTHS BY MEANS OF TRANSPORTATION TO WORK

	City	California		United States	
	Median	*Median*	*Ratio*	*Median*	*Ratio*
Car, truck, or van - drove alone	23,424	48,566	111.2	46,171	110.7
Car, truck, or van - carpooled	15,906	36,463	100.6	34,487	100.6
Public transportation (excluding taxicab)		40,179		45,100	
Walked		29,366		27,142	
Taxicab, motorcycle, bicycle, or other means	17,576	40,433	100.3	36,140	106.1
Worked from home		75,153		67,180	
Total:	21,134	48,747	43.4	46,099	45.8

Source: 2022 5-year American Community Survey, Summary File

Notes: 1) Ratio = the ratio of the regional median to either the CA or US median, relative to the Total ratio.
Values above 100 imply a high local median. Values below 100 imply a low local median.
For example, a value of 200 means that the local mean is 2x higher than would be expected.
For "Total:", ratio is simply the ratio of the medians.
2) For regions with more than one geography, the medians are averages weighted by working population.

Table 13. MODE OF TRANSPORTATION TO WORK BY WORKERS' EARNINGS

	< $25,000		$25,000-$74,999		$75,000+		All		All of CA
Mode of Transit	#	(%)	#	(%)	#	(%)	#	(%)	(%)
Car, Truck, or Van: Drove Alone	1,135	46.0	508	73.3	52	44.4	2,062	59.2	68.4
Car, Truck, or Van: Carpooled	525	21.3	145	20.9	25	21.4	869	24.9	9.5
Public Transportation (excl Taxi)	0	0.0	0	0.0	0	0.0	0	0.0	3.6
Walked	43	1.7	21	3.0	0	0.0	64	1.8	2.4
Taxicab, Motorcycle, or other	190	7.7	0	0.0	0	0.0	190	5.5	2.4
Worked at Home	0	0.0	19	2.7	0	0.0	19	0.5	13.6
Total:	1,893	76.6	693		77	65.8	3,204	91.9	100.0

Source: 2022 5-year American Community Survey, Summary File

Table 14. MODE OF TRANSPORTATION TO WORK BY WORKERS' EARNINGS FOR WORKPLACE GEOGRAPHY

	< $25,000		$25,000-$74,999		$75,000+		All		All of CA
Mode of Transit	#	(%)	#	(%)	#	(%)	#	(%)	(%)
Car, Truck, or Van: Drove Alone	463	42.5	222	60.3	292	88.0	1,164	72.6	68.5
Car, Truck, or Van: Carpooled	101	9.3	25	6.8	32	9.6	182	11.4	9.5
Public Transportation (excl Taxi)	0	0.0	0	0.0	0	0.0	0	0.0	3.6
Walked	32	2.9	0	0.0	0	0.0	32	2.0	2.4
Taxicab, Motorcycle, or other	0	0.0	0	0.0	8	2.4	8	0.5	2.4
Worked at Home	0	0.0	19	5.2	0	0.0	19	1.2	13.6
Total:	596	54.7	266	72.3	332		1,405	87.6	

Source: 2022 5-year American Community Survey, Summary File

The results in this table are for those who work in the region, regardless of the location of their residence.

Commute Mode by Poverty Status

Table 15. MODE OF TRANSPORTATION TO WORK BY POVERTY STATUS

	In Poverty		100-149% of Pov		>150% of Pov		All		All of CA
Mode of Transit	#	(%)	#	(%)	#	(%)	#	(%)	(%)
Car, Truck, or Van: Drove Alone	460	43.9	338	32.9	1,264	71.1	2,062	59.2	68.7
Car, Truck, or Van: Carpooled	269	25.6	195	19.0	405	22.8	869	24.9	9.5
Public Transportation (excl Taxi)	0	0.0	0	0.0	0	0.0	0	0.0	3.6
Walked	11	1.0	32	3.1	21	1.2	64	1.8	2.1
Taxicab, Motorcycle, or other	144	13.7	46	4.5	0	0.0	190	5.5	2.4
Worked at Home	0	0.0	0	0.0	19	1.1	19	0.5	13.6
Total:	884	84.3	611	59.4	1,709	96.1	3,204	91.9	

Source: 2022 5-year American Community Survey, Summary File

Table 16. MODE OF TRANSPORTATION TO WORK BY POVERTY STATUS FOR WORKPLACE GEOGRAPHY

	In Poverty		100-149% of Pov		>150% of Pov		All		All of CA
Mode of Transit	#	(%)	#	(%)	#	(%)	#	(%)	(%)
Car, Truck, or Van: Drove Alone	163	42.1	13	4.5	988	86.5	1,164	72.6	68.7
Car, Truck, or Van: Carpooled	70	18.1	31	10.8	81	7.1	182	11.4	9.5
Public Transportation (excl Taxi)	0	0.0	0	0.0	0	0.0	0	0.0	3.6
Walked	0	0.0	32	11.1	0	0.0	32	2.0	2.1
Taxicab, Motorcycle, or other	0	0.0	0	0.0	8	0.7	8	0.5	2.4
Worked at Home	0	0.0	0	0.0	19	1.7	19	1.2	13.6
Total:	233	60.2	76	26.4	1,096	96.0	1,405	87.6	

Source: 2022 5-year American Community Survey, Summary File
The results in this table are for those who work in the region, regardless of the location of their residence.

Migration

Overall Migration Flows

Definition:

The United States is a country with an increasingly mobile population. People move, migrate, from one place to another with increasing frequency.

Why is it important?

Having a handle on whether or not Orange Cove is a net recipient (migration inflows) or donor (migration outflows) of population is very important for understanding trends in the City's development. This section outlines migration patterns by age, education, income, marital status, and housing tenure. Understanding recent trends is very important for making policy, investment, and other decisions about the future. Also, understanding the extent to which the population is stable, or experiences significant turnover each year is helpful for planning purposes.

Figure 87: Overall Movements of Residents

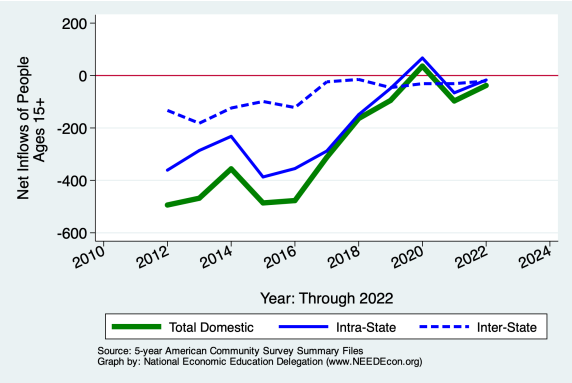


Table 17: Migration by Income

		Net Inflows				
			Same State			
Category	Population	All Migration	W/in County	Between Counties	Across States	From Abroad
No income	1,792	72	50	1	0	21
With income	4,886	−66	−63	−5	−21	23
$1 to $9,999 or loss	897	−44	−57	−10	0	23
$10,000 to $14,999	1,127	51	28	23	0	0
$15,000 to $24,999	1,127	20	58	−24	−14	0
$25,000 to $34,999	753	−74	−61	−6	−7	0
$35,000 to $49,999	470	−31	−31	0	0	0
$50,000 to $64,999	258	12	0	12	0	0
$65,000 to $74,999	134	0	0	0	0	0
$75,000 or more	120	0	0	0	0	0
All:	6,678	6	−13	−4	−21	44

Source: 2022 5-year American Community Survey, Summary File
Note: The data in this and other tables in this section are limited in that there is no information on the City's population that has moved abroad.
The "From Abroad" column is gross movements into the City from abroad.

Figure 88: Overall Movements of Low Income Residents

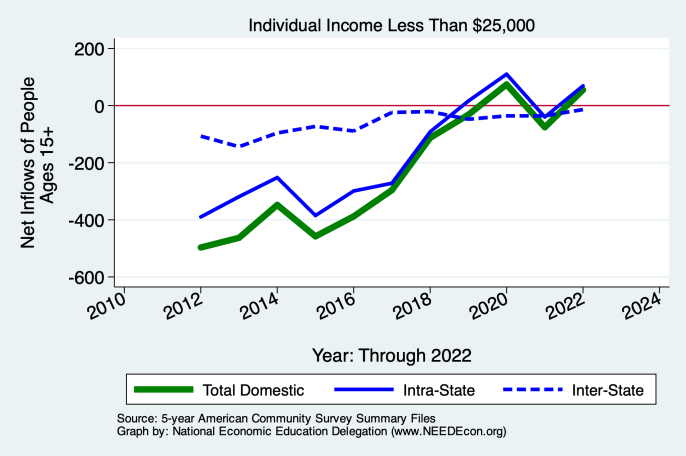


Figure 89: Overall Movements of Middle Income Residents

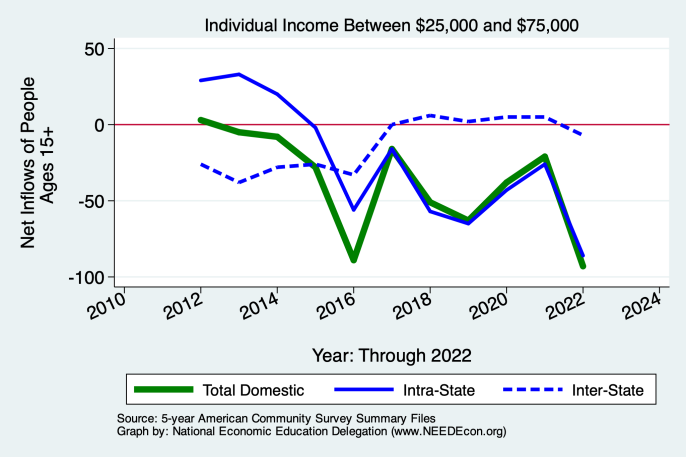
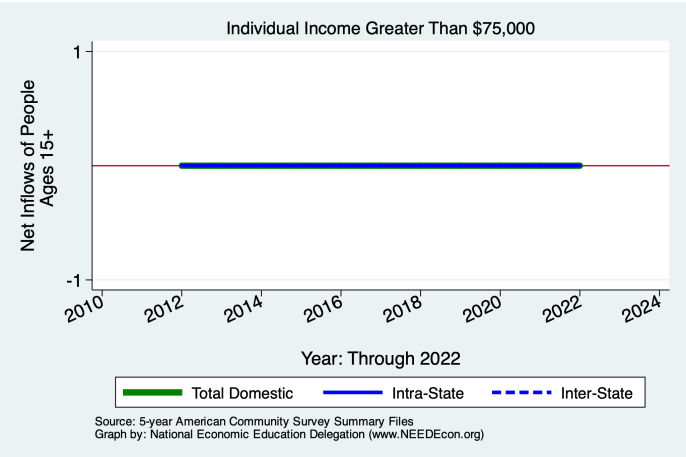


Figure 90: Overall Movements of High Income Residents



Jon Haveman, Ph.D. • National Economic Education Delegation
Jon@NEEDEcon.org • 415-336-5705

Demographics of Migration Flows

Table 18: Migration by Marital Status

Category	Population	Net Inflows: All Migration	Same State: W/in County	Same State: Between Counties	Across States	From Abroad
Never married	3,042	−18	−29	−12	−21	44
Now married, except separated	2,842	27	−3	30	0	0
Divorced	310	−28	19	−47	0	0
Separated	294	25	0	25	0	0
Widowed	190	0	0	0	0	0
Total:	6,678	6	−13	−4	−21	44

Source: 2022 5-year American Community Survey, Summary File

Table 19: Migration by Tenure

Category	Population	Net Inflows: All Migration	Same State: W/in County	Same State: Between Counties	Across States	From Abroad
Householder lived in owner-occupied housing units	3,957	−49	−57	19	−11	0
Householder lived in renter-occupied housing units	5,603	396	268	49	−10	89
Total:	9,560	347	211	68	−21	89

Source: 2022 5-year American Community Survey, Summary File

Figure 91: Domestic Movements of Residents by Tenure

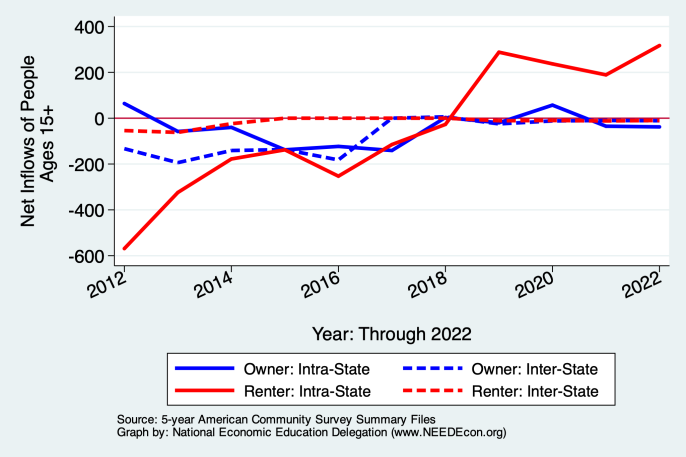


Table 20: Migration by Age

		Net Inflows				
			Same State			
Category	Population	All Migration	W/in County	Between Counties	Across States	From Abroad
1 to 4 years	737	174	151	0	0	23
5 to 17 years	2,831	138	70	46	0	22
18 and 19 years	332	−47	−42	−8	3	0
20 to 24 years	932	33	57	−10	−14	0
25 to 29 years	655	48	−9	36	0	21
30 to 34 years	458	67	44	0	0	23
35 to 39 years	571	19	19	0	0	0
40 to 44 years	653	−47	0	−47	0	0
45 to 49 years	451	−57	−82	25	0	0
50 to 54 years	560	0	0	0	0	0
55 to 59 years	458	0	0	0	0	0
60 to 64 years	338	0	0	0	0	0
65 to 69 years	129	0	0	0	0	0
70 to 74 years	128	−10	0	0	−10	0
75 years and over	327	0	0	0	0	0
Total Population:	9,560	318	208	42	−21	89

Source: 2022 5-year American Community Survey, Summary File

Table 21: Migration by Educational Attainment

		Net Inflows				
			Same State			
Category	Population	All Migration	W/in County	Between Counties	Across States	From Abroad
Less than high school graduate	2,624	−41	−69	5	0	23
High school graduate (includes equiv)	894	−8	−31	12	−10	21
Some college or assoc. degree	895	69	72	−3	0	0
Bachelor's degree	227	0	0	0	0	0
Graduate or professional degree	88	0	0	0	0	0
Total:	4,728	20	−28	14	−10	44

Source: 2022 5-year American Community Survey, Summary File

Table 22: Median Income of Migration Flows

Flow	In-Migration	Out-Migration
Same House 1 Year Ago	18,754	18,754
Moved Within Same County	14,412	13,813
Total Population:	18,304	18,769

Source: 2022 5-year American Community Survey, Summary File

Table 23: Median Age of Migration Flows

Flow	In-Migration	Out-Migration
Same House 1 Year Ago	26.2	26.2
Moved Within Same County	13.8	25.7
Moved to Different County, Same State	25.2	27.8
Moved from Abroad	10.0	
Total Population:	24.7	26.2

Source: 2022 5-year American Community Survey, Summary File

References and Sources

The majority of the data presented in this report are from the American Community Survey (ACS). For larger geographies, the 1-year Summary Files provide the data. For smaller communities, roughly those with less than 65,000 in population in 2021, the 5-year Summary Files provide the data.

The ACS data are supplemented by building permit data from the U.S. Census Bureau, population and housing data from the California Department of Finance, and home price and rental rates from Zillow.

U.S. Census Bureau. American Community Survey 1-year and 5-year Summary Files. https://www.census.gov/programs-surveys/acs/data/data-via-ftp.html. The 1-year data are released in September each year and the 5-year data are relased in January.

Zillow Research Data https://www.zillow.com/research/data/

U.S. Census Bureau. Building Permits Data, updated annually in February. https://www.census.gov/construction/bps/current.html

State of California, Department of Finance, E-5 Population and Housing Estimates for Cities, Counties and the State — January 1. Sacramento, California, May. https://dof.ca.gov/forecasting/demographics/estimates/

State of California, Department of Finance, E-2. California County Population Estimates and Components of Change by Year, July 1, 2010-2021. Sacramento, California, December. https://dof.ca.gov/forecasting/demographics/

State of California, Department of Finance, E-1 Population Estimates for Cities, Counties and the State with Annual Percent Change — January 1. Sacramento, California, May. https://dof.ca.gov/forecasting/demographics/

Jon Haveman, Ph.D. • National Economic Education Delegation
Jon@NEEDEcon.org • 415-336-5705