

Walnut Creek, California

Indicators Report

by
The National Economic Education Delegation (NEED)

April 21, 2024

Exploring the economics, demographics, and well-being of Walnut Creek and its residents through indicators.

This report was produced by the:

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Executive Summary

Assessing the City with Indicators

About this Report

This report provides background or summary information for the city of Walnut Creek (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 Walnut Creek. These indicators are compared to Contra Costa County (the County) as a whole, a broader region where one is well defined, California, and the United States.

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 snapshot of Walnut Creek 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 of employment and unemployment in Walnut Creek 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 Walnut Creek, 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 proportion 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 Walnut Creek, but do not necessarily live in Walnut Creek.
- **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.

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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 composition.

Why is it important?

The characteristics and growth of Walnut Creek's population are fundamental indicators of the city's growth potential.

A Demographic Snapshot

Statistic	2022	2019
POPULATION		
Population Estimate (#, 5yr)	69,809.0	69,567.0
Veterans (#, 5yr)	3,479.0	3,960.0
Foreign born persons (% , 5yr)	22.4	23.3
Population age 25+ (#, 5yr)	54,894.0	54,442.0
AGE AND SEX		
Persons under 5 years (% , 5yr)	4.8	4.9
Persons under 18 years (% , 5yr)	15.5	17.0
Persons 65 years and over (% , 5yr)	29.3	29.6
Female persons (% , 5yr)	52.3	53.7
INCOME AND POVERTY		
Median household income (\$, 5yr)	129,971.0	105,948.0
Per capita income in past 12 months (\$, 5yr)	80,347.0	65,054.0
Persons in poverty (% , 5yr)	5.7	5.3
Children age less than 18 in poverty (#, 5yr)	933.0	736.0
Children age less than 18 in poverty (% , 5yr)	8.7	6.3
RACE AND ETHNICITY		
White alone (% , 5yr)	67.2	74.1
African American alone (% , 5yr)	2.5	2.1
American Indian or Alaska Native alone (% , 5yr)	0.3	0.2
Asian alone (% , 5yr)	16.5	15.3
Native Hawaiian and Other Pacific Islander alone (% , 5yr)	0.4	0.5
Two or More Races (% , 5yr)	10.8	5.8
Hispanic or Latino (% , 5yr)	10.4	9.1
White alone, not Hispanic or Latino (% , 5yr)	64.1	68.3
HOUSING		
Housing units (#, 5yr)	33,507.0	33,157.0
Owner-occupied housing units (% , 5yr)	64.5	64.5
Median value of owner-occupied housing units (\$, 5yr)	972,800.0	793,100.0
Median selected monthly owner costs-with a mortgage (\$, 5yr)	3,523.0	3,129.0
Median selected monthly owner costs-without a mortgage (\$, 5yr)	1,148.0	980.0
Median gross rent (\$, 5yr)	2,503.0	2,095.0
FAMILIES AND LIVING ARRANGEMENTS		
Households (#, 5yr)	32,205.0	31,390.0
Persons per household (#, 5yr)	2.1	2.2
Living in same house 1 year ago, % of persons age 1+ (5yr)	83.3	82.9
EDUCATION		
High school graduate or higher, % of persons age 25+ (5yr)	97.2	97.7
Bachelor's degree or higher, % of persons age 25+ (5yr)	69.5	66.7
HEALTH		
With a disability, under age 65 years (#, 5yr)	2,520.0	2,630.0
Persons without health insurance, under age 65 years (% , 5yr)	2.2	2.5
LABOR FORCE		
In civilian labor force, persons age 16+ (% , 5yr)	57.8	57.0
In civilian labor force, women age 16+ (% , 5yr)	52.1	50.8
Employed, persons age 16+ (% , 5yr)	53.0	52.9
Self employed (% , 5yr)	12.6	14.1
TRANSPORTATION		
Mean travel time to work, workers age 16+ (Mins., 5yr)	26.7	33.6
Drive alone in private vehicle (% , 5yr)	51.1	61.9
Using public transportation (% , 5yr)	20.9	29.9
Worked from home (% , 5yr)	25.4	9.3

Source: American Community Survey, Summary Files

Note: Data are from the 1-year files unless indicated by the notation 5yr.

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	3 Year	5 Year
City				
Walnut Creek	69,245	-0.51	-1.91	-0.36
County and Broader Regions				
Contra Costa County	1,147,653	-0.36	-0.19	-0.02
Bay Area	7,548,792	-0.45	-2.58	-2.62
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	Bay Area	California
Contra Costa County	1,151.8	1,147.7	-0.36	-0.45	-0.35
Concord	123.1	122.1	-0.84		
Antioch	114.4	115.4	0.94		
Richmond	114.5	113.5	-0.88		
San Ramon	83.6	82.9	-0.86		
Pittsburg	74.7	74.8	0.16		
Walnut Creek	69.6	69.2	-0.51		
Brentwood	64.2	64.5	0.46		
Oakley	44.3	45.0	1.67		
Danville	43.2	42.8	-0.79		
Martinez	36.8	36.5	-0.67		
Pleasant Hill	33.7	33.4	-0.89		
San Pablo	31.6	31.3	-1.02		
Hercules	25.9	26.3	1.36		
El Cerrito	25.7	25.5	-0.88		
Lafayette	25.1	25.0	-0.46		
Orinda	19.3	19.2	-0.52		
Pinole	18.4	18.2	-1.07		
Moraga	17.1	16.9	-0.95		
Clayton	10.8	10.7	-1.08		

Source: CA DOF; Calculations by National Economic Education Delegation

Figure 1: Population Growth (1)

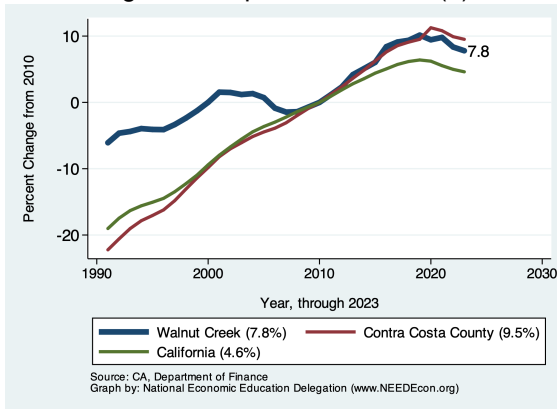


Figure 2: Population Growth (2)

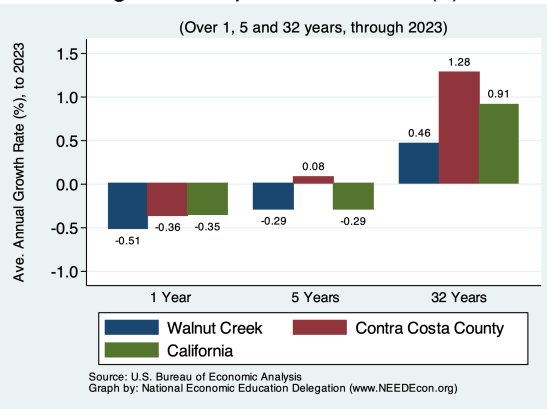


Figure 3: Population by Age - Detailed Age Categories

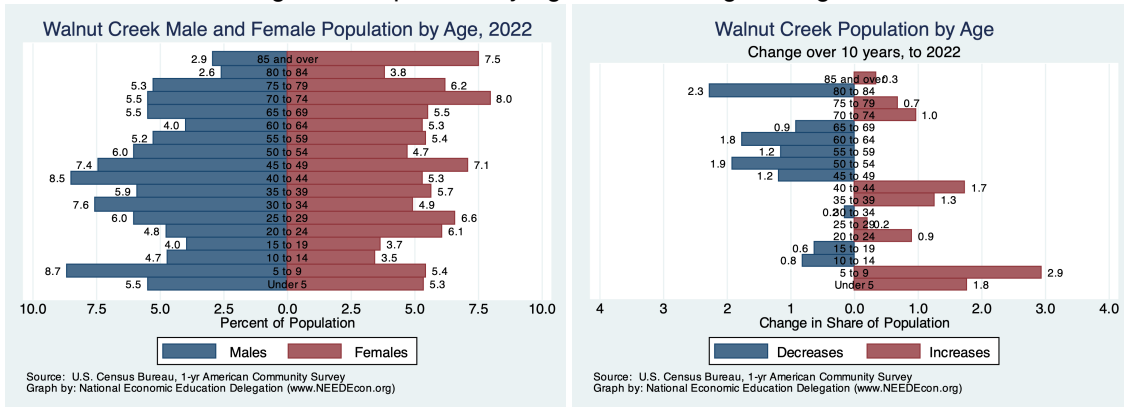


Figure 4: Population by Age - Broad Age Categories

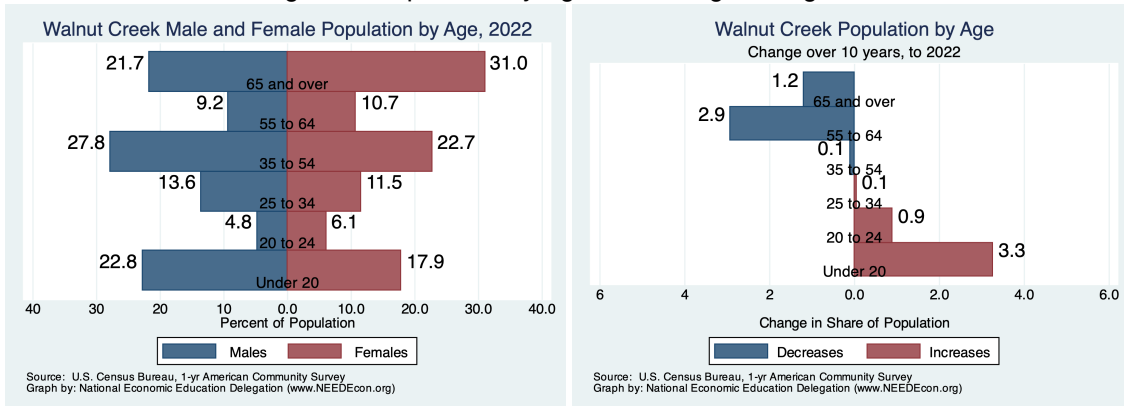


Figure 5: Population by Educational Attainment

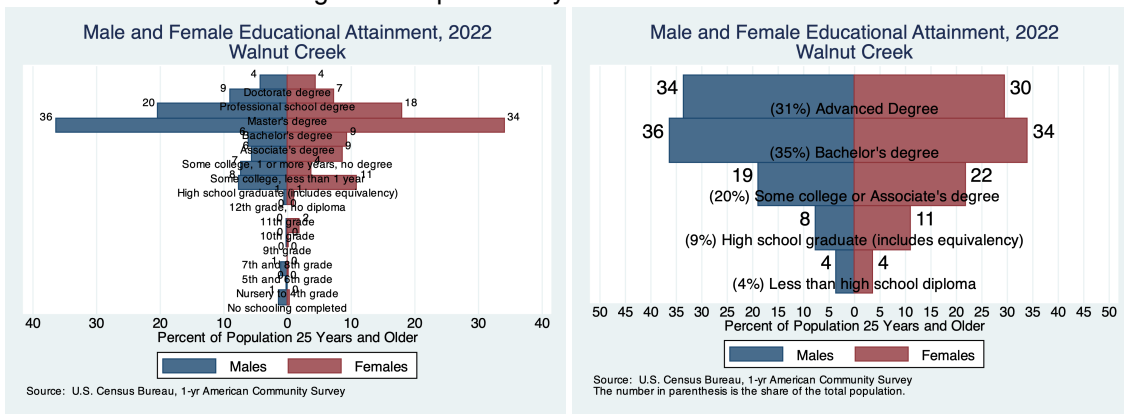


Figure 6: Population by Race/Ethnicity

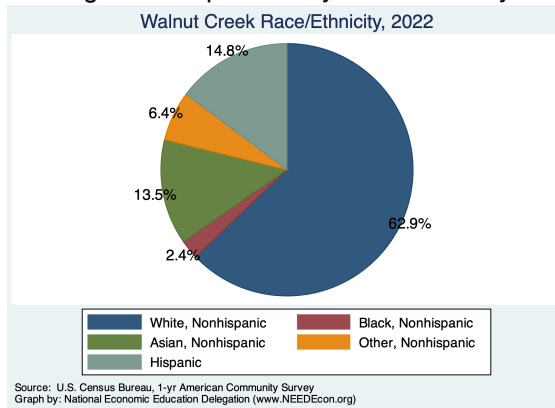
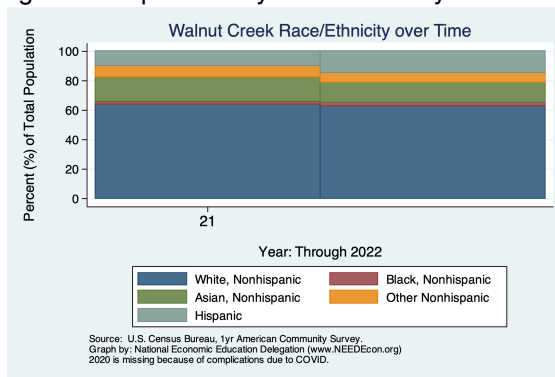


Figure 7: Population by Race/Ethnicity Over Time



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 em-

ployment 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?

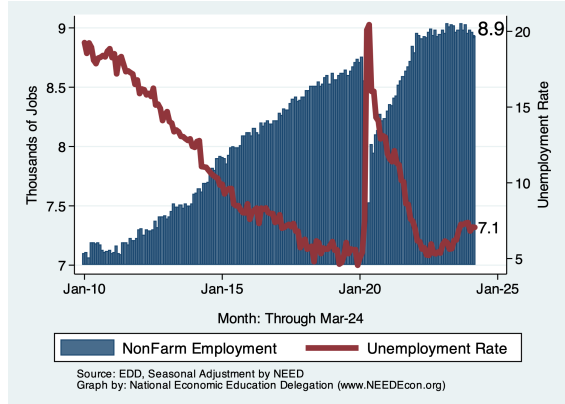
Employment growth is a fundamental indicator of the health of an economy.

Table 3. Walnut Creek 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

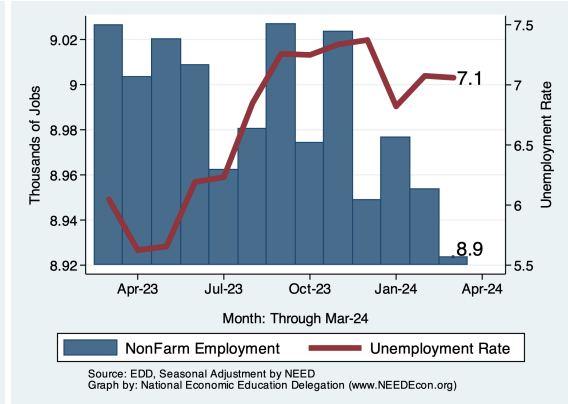
Source: EDD, National Economic Education Delegation

Figure 8: Historical Employment and Unemployment - Last 12 Months



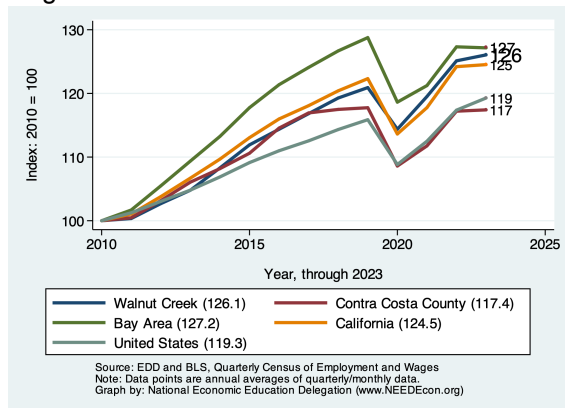
Source: EDD, Seasonal Adjustment by NEED
Graph by: National Economic Education Delegation (www.NEEDecon.org)

Figure 9: Employment and Unemployment - Last 12 Months



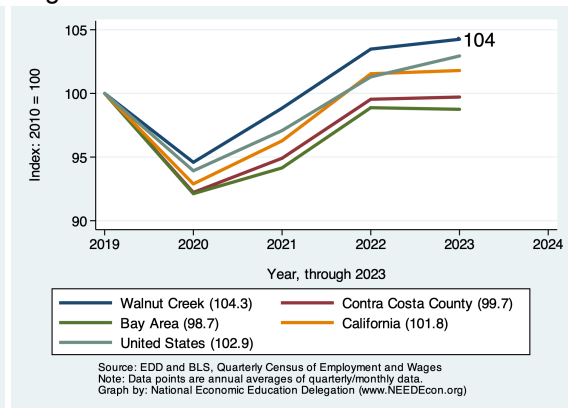
Source: EDD, Seasonal Adjustment by NEED
Graph by: National Economic Education Delegation (www.NEEDecon.org)

Figure 10: Relative Employment Growth Across Regions - since 2010



Source: EDD and BLS, Quarterly Census of Employment and Wages
Note: Data points are annual averages of quarterly/monthly data.
Graph by: National Economic Education Delegation (www.NEEDecon.org)

Figure 11: Relative Employment Growth Across Regions - since 2019



Source: EDD and BLS, Quarterly Census of Employment and Wages
Note: Data points are annual averages of quarterly/monthly data.
Graph by: National Economic Education Delegation (www.NEEDecon.org)

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 industry-level employment data for Contra Costa County. The following table provides the latest data for the County.

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

Industry	Employment	Share	Empl Growth	% Growth - Annualized Rate					
				Month	Qtr	6mo	1yr	3yr	5yr
Total Nonfarm	377,913	100.0	902.6	2.9	0.4	1.1	1.1	2.8	0.2
Goods Producing	39,893	10.6	198.5	6.2	-6.0	-3.2	-1.6	-0.0	-0.9
Mining, Logging and Construction	26,863	7.1	445.0	22.2	-8.4	-3.0	0.4	1.2	1.0
Manufacturing	13,478	3.6	-3.7	-0.3	-3.8	-2.7	-3.0	-1.1	-3.3
Durable Goods	6,291	1.7	-1.8	-0.3	-4.6	-3.2	-3.7	0.2	-0.6
Non-Durable Goods	7,225	1.9	-2.6	-0.4	-3.0	-1.6	-1.0	-1.8	-5.1
Service Providing	338,565	89.6	542.6	1.9	1.4	1.9	1.6	3.2	0.4
Trade, Trans & Utilities	63,677	16.8	-192.2	-3.6	-0.7	-1.6	-0.9	1.0	0.4
Wholesale Trade	7,775	2.1	-57.8	-8.5	-1.0	-3.3	-3.1	-1.6	-3.3
Retail Trade	41,830	11.1	-41.9	-1.2	0.9	0.7	0.4	0.9	0.1
Information	5,383	1.4	20.9	4.8	-4.5	-7.5	-6.9	-2.5	-5.3
Financial Activities	23,466	6.2	25.5	1.3	-4.7	-4.2	-2.5	-2.3	-2.6
Finance & Insurance	15,858	4.2	149.1	12.0	1.3	-1.2	-2.4	-4.6	-3.8
Real Estate & Rental & Leasing	7,522	2.0	-69.5	-10.5	-12.3	-6.0	-2.8	3.7	0.3
Professional & Business Svcs	56,006	14.8	69.1	1.5	1.0	0.9	0.2	0.0	-0.0
Prof, Sci, & Tech	26,070	6.9	70.2	3.3	2.9	3.3	1.8	1.4	1.6
Educational & Health Svcs	84,354	22.3	453.2	6.7	4.7	5.8	6.1	5.8	3.3
Education Svcs	7,747	2.1	63.0	10.3	-4.3	2.8	1.9	6.1	0.1
Health Care & Social Assistance	76,581	20.3	378.1	6.1	5.2	6.1	6.6	5.7	3.6
Leisure & Hospitality	43,027	11.4	-80.7	-2.2	1.5	2.8	1.9	12.7	0.1
Arts, Entertainment & Recreation	8,421	2.2	133.5	21.1	13.1	12.9	7.0	32.8	4.4
Accommodation & Food Svcs	34,960	9.3	-113.2	-3.8	1.8	2.0	0.8	9.3	-0.6
Other Svcs	13,060	3.5	184.7	18.6	-5.0	1.1	4.0	5.3	-1.0
Government	49,364	13.1	103.8	2.6	2.2	3.1	2.4	2.7	-0.5
Federal	4,772	1.3	0.0	0.0	-3.0	0.0	0.8	-0.9	0.3
State	1,616	0.4	-2.1	-1.5	-1.4	2.3	1.0	-1.6	0.2
Local	43,222	11.4	142.9	4.1	3.6	3.4	3.0	3.6	-0.5

Source: EDD, National Economic Education Delegation (NEED)

Some Employee Detail

Employed in Walnut Creek

Figure 12: Employment by Occupation

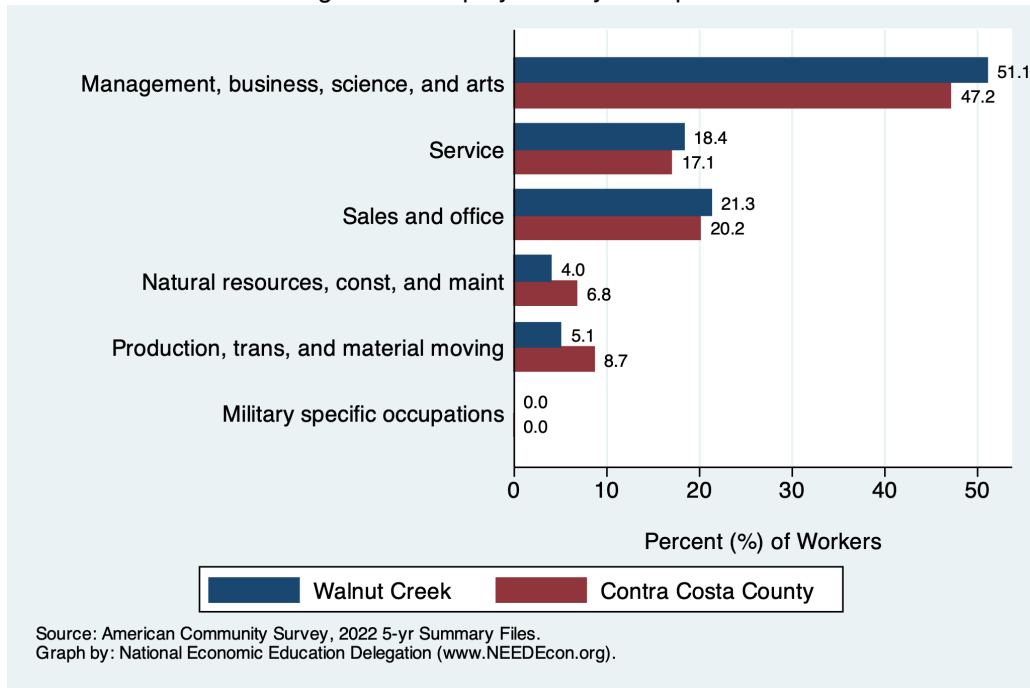


Figure 13: Employment by Industry

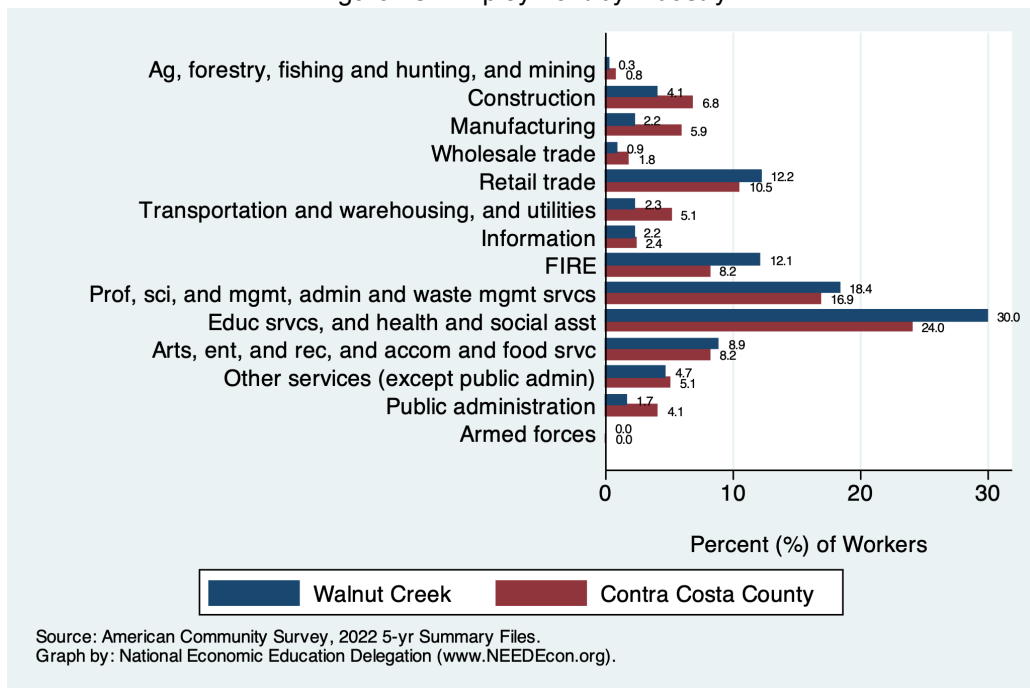
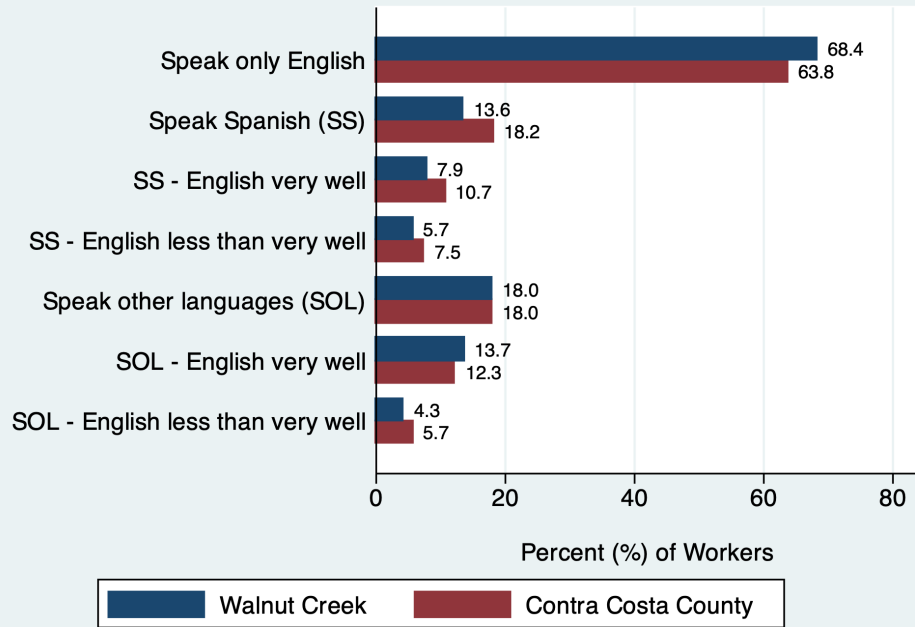
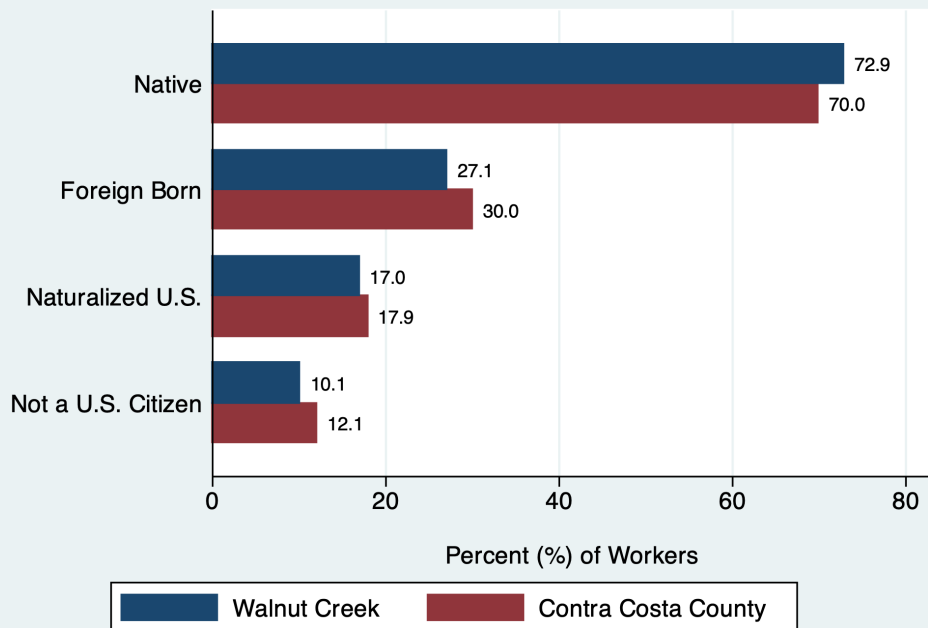


Figure 14: Language Spoken at Home



Source: American Community Survey, 2022 1-yr Summary Files.
 Graph by: National Economic Education Delegation (www.NEEDecon.org).

Figure 15: Citizenship



Source: American Community Survey, 2022 1-yr Summary Files.
 Graph by: National Economic Education Delegation (www.NEEDecon.org).

Employed Residents of Walnut Creek

Figure 16: Employment by Occupation

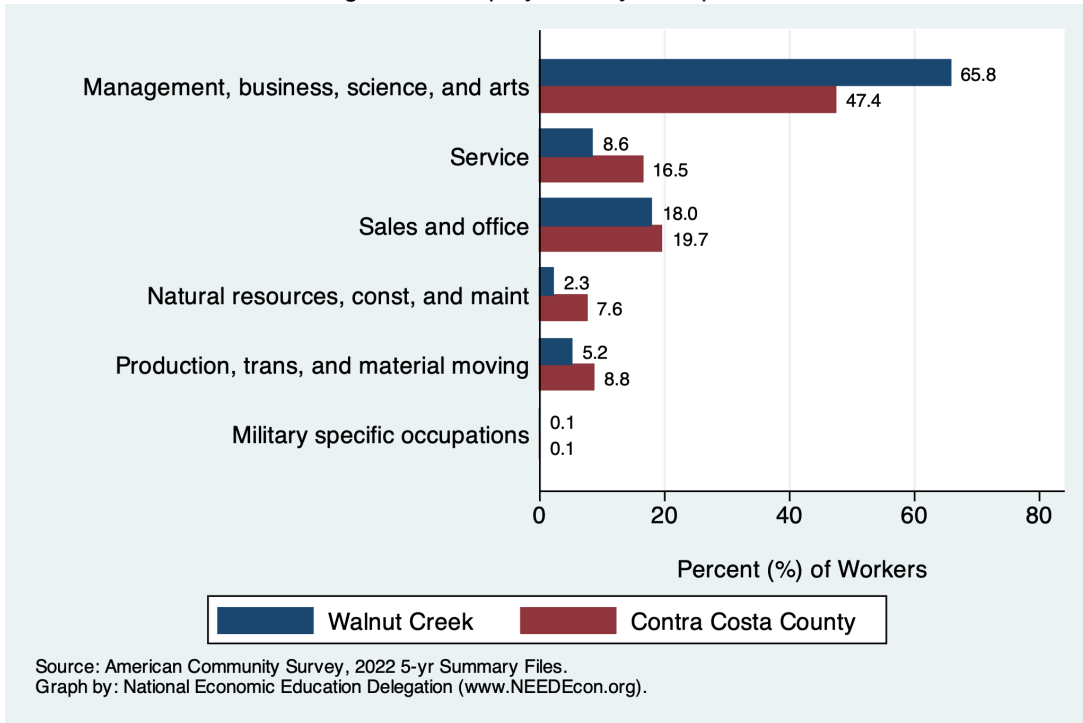


Figure 17: Employment by Industry

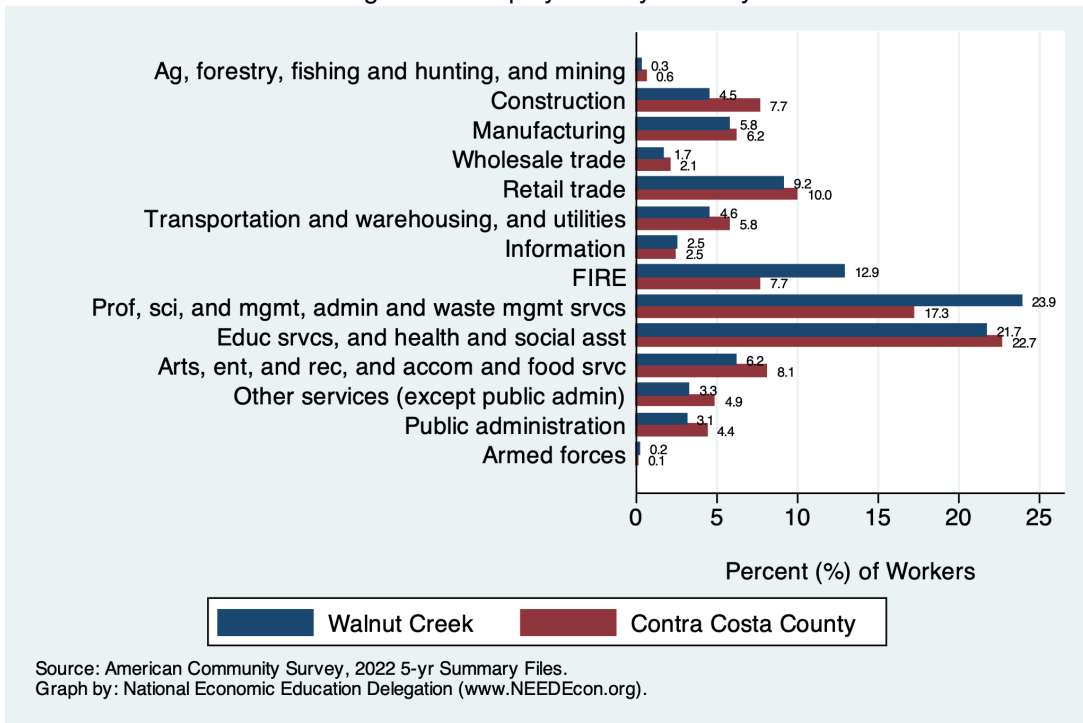
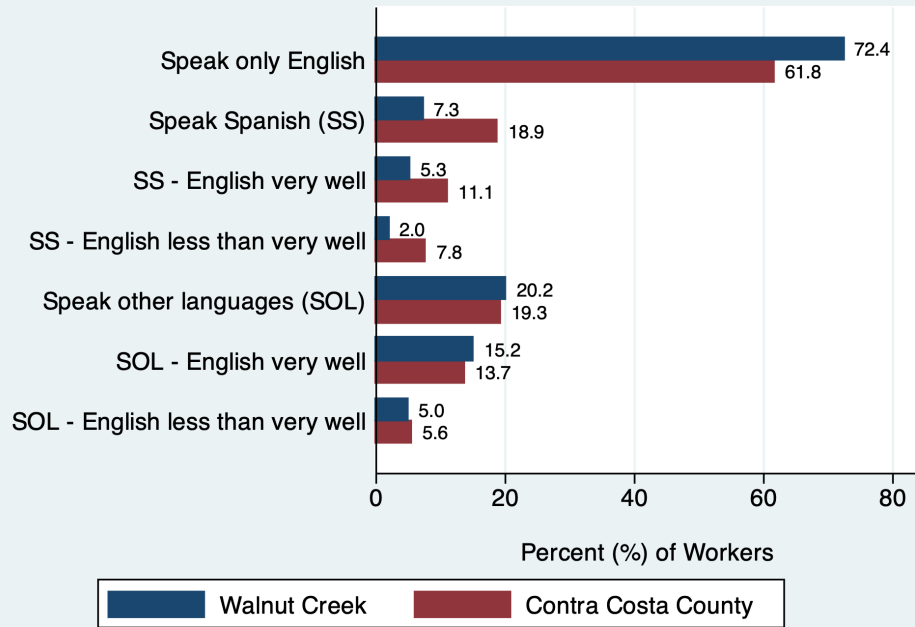
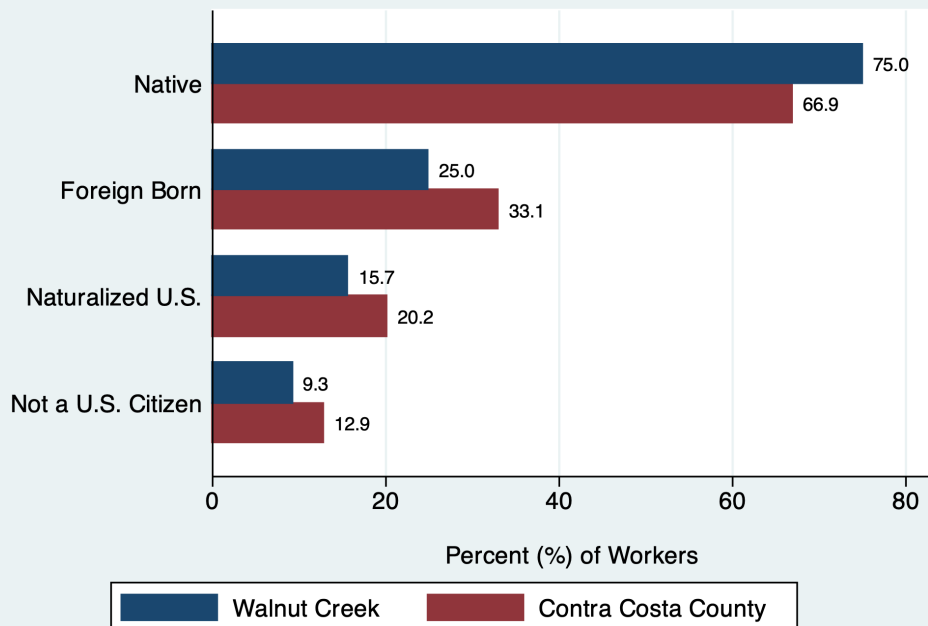


Figure 18: Language Spoken at Home



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 1-yr Summary Files.
 Graph by: National Economic Education Delegation (www.NEEDecon.org).

Employed Residents vs Workers in Walnut Creek

Figure 20: Employment by Occupation

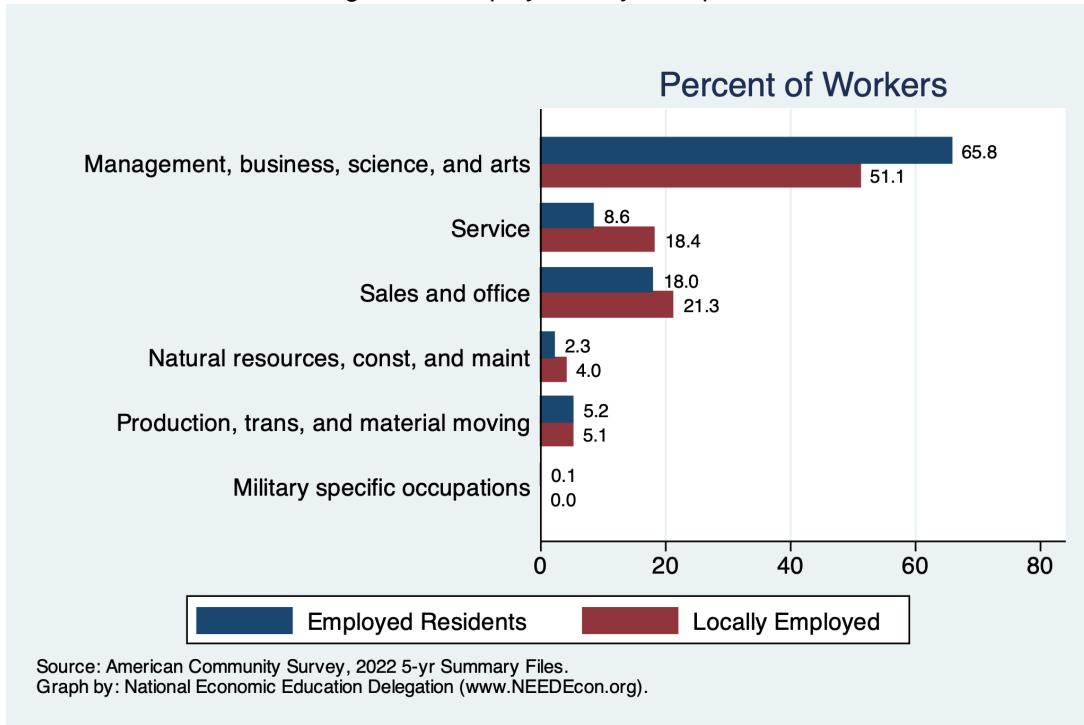


Figure 21: Employment by Industry

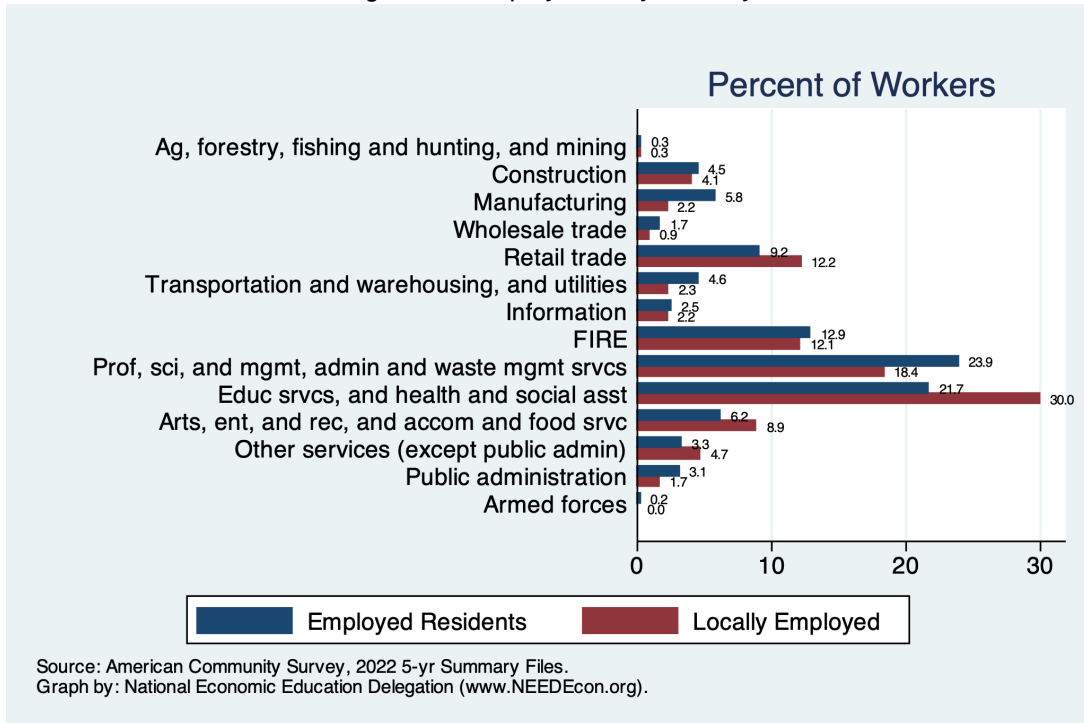


Figure 22: Language Spoken at Home

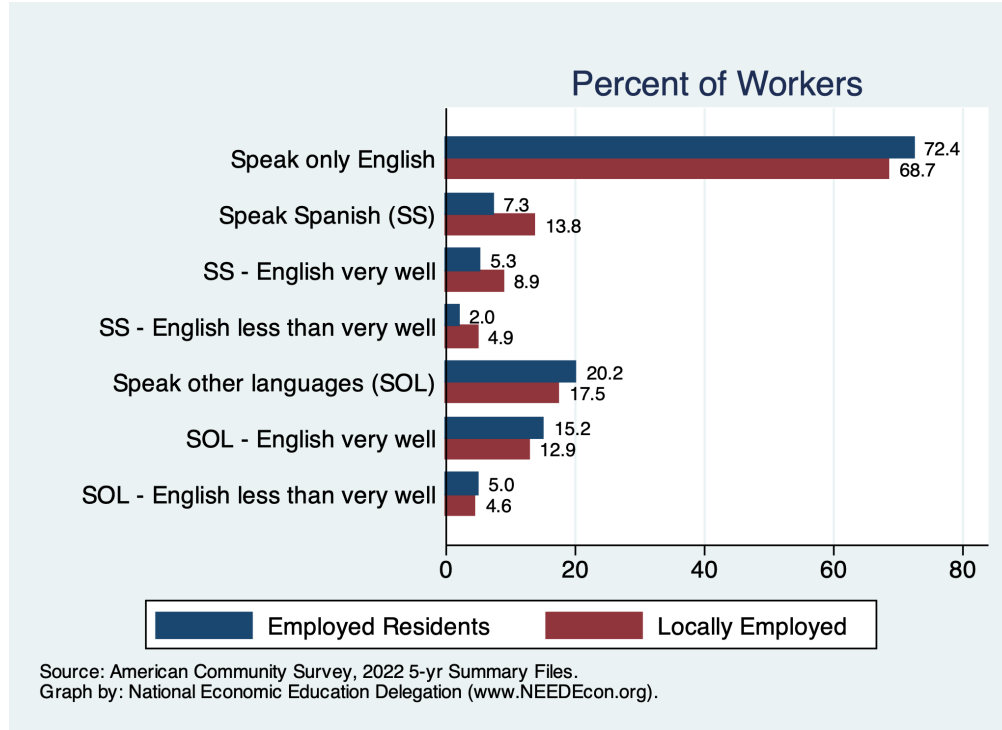
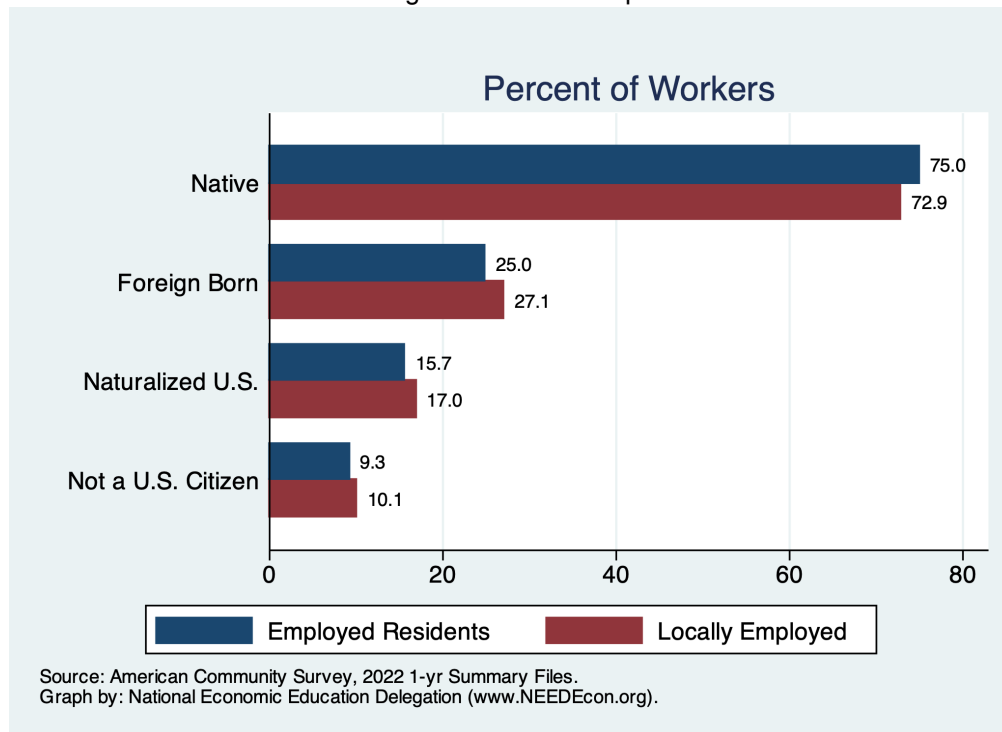


Figure 23: Citizenship



Income and Earnings

Per Capita Income Growth

Definition:

Per capita income is the average income per person in Walnut Creek. 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

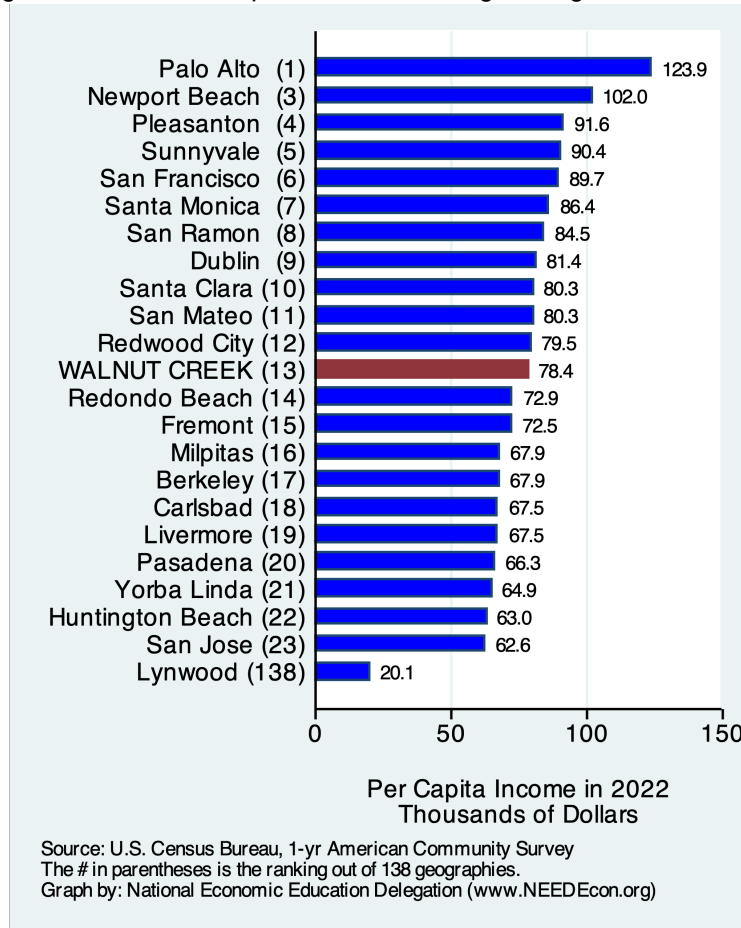
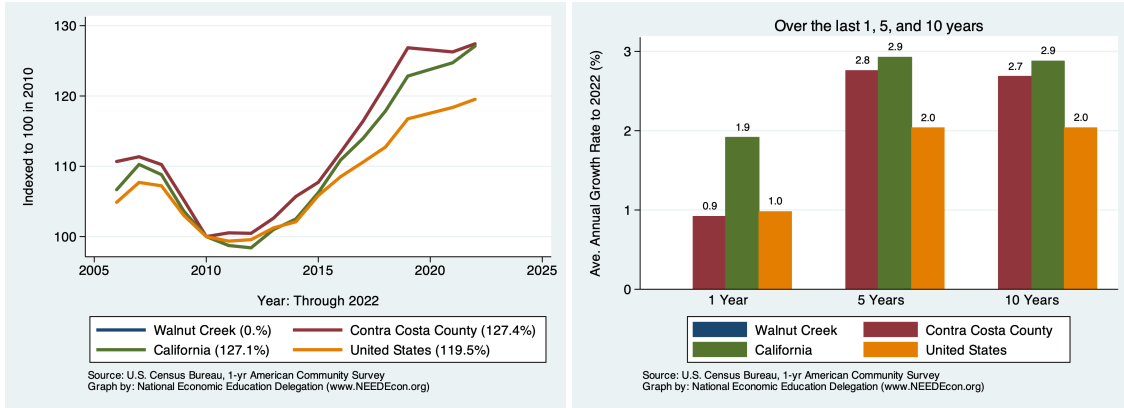


Figure 25: Regional Comparison of Growth over Time



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

Figure 26: Income Levels

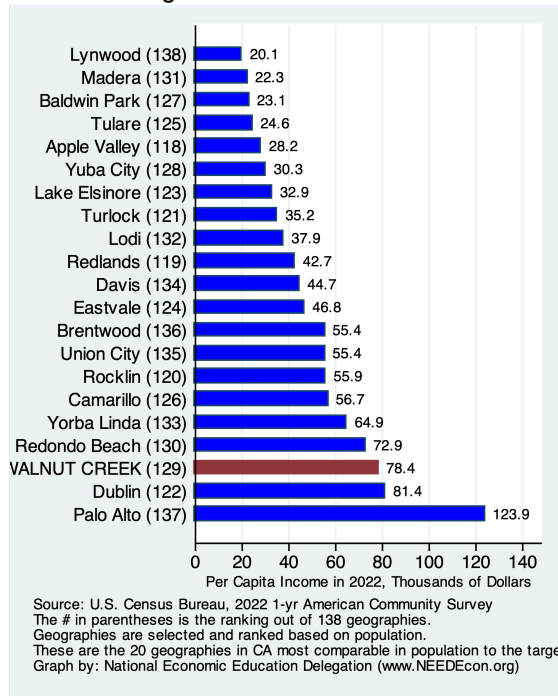
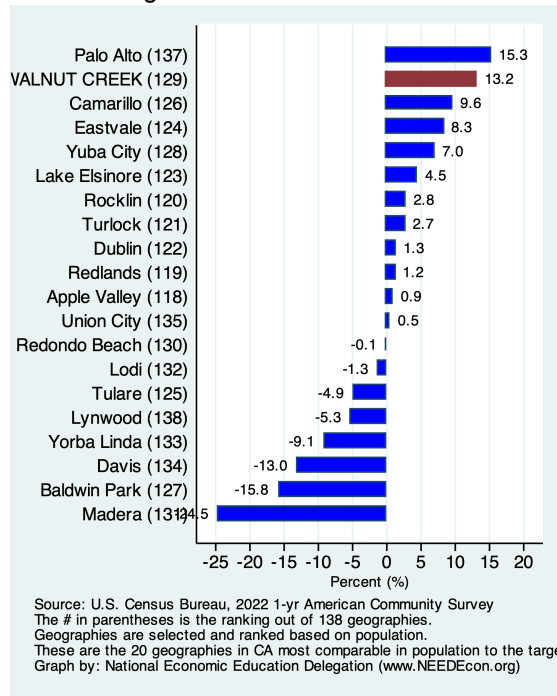


Figure 27: Growth over Time



Real Per Capita Income Ranking Among Cities in Contra Costa County

Figure 28: Income Levels

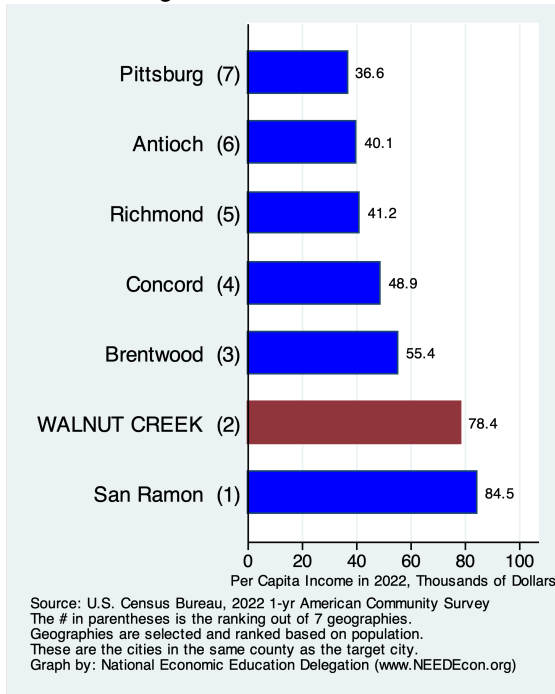


Figure 29: Growth over Time

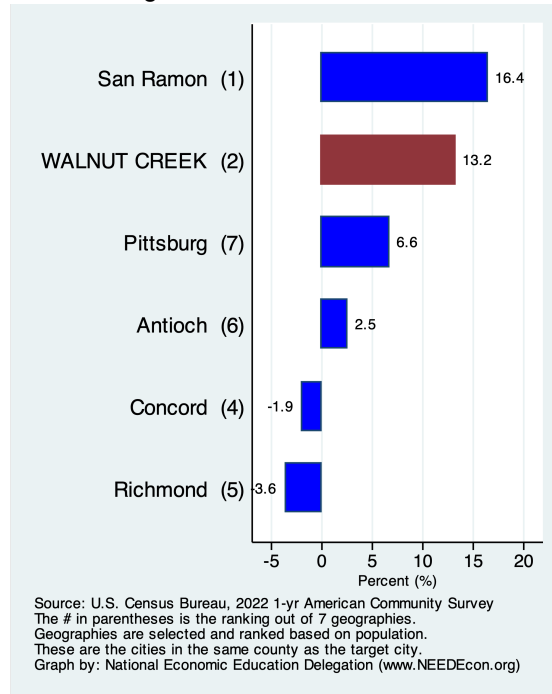
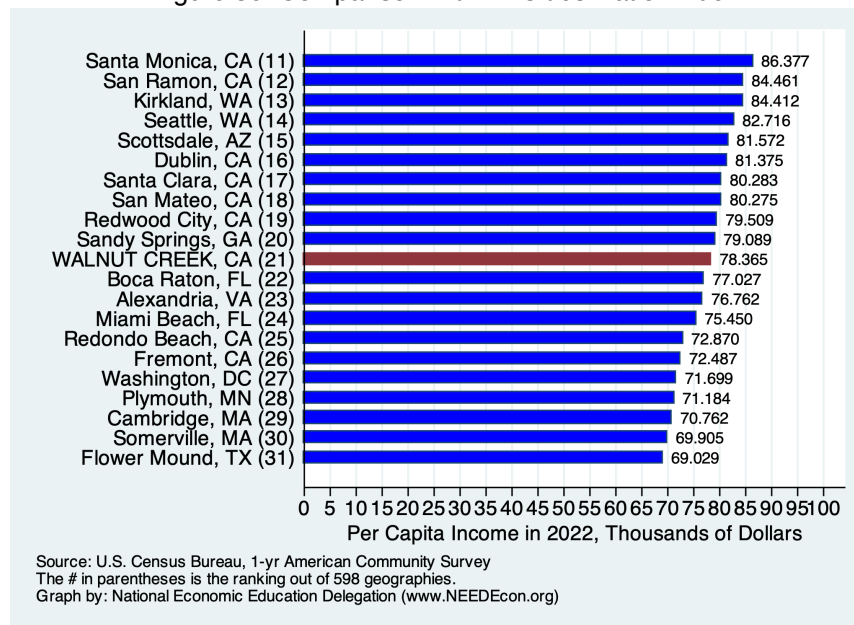


Figure 30: Comparison with All Cities Nationwide



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.

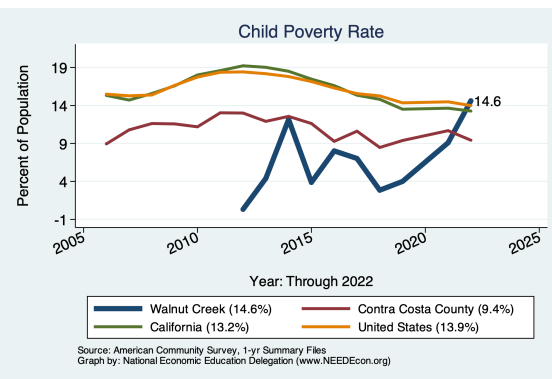
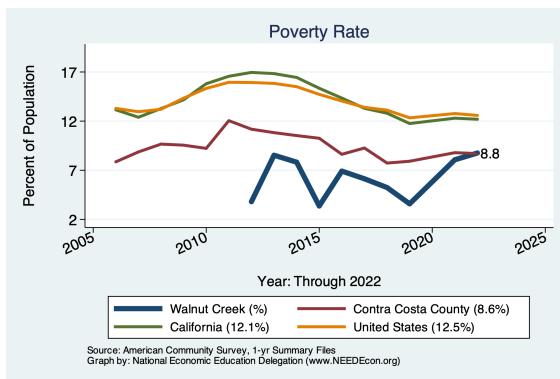


Figure 31: Inequality

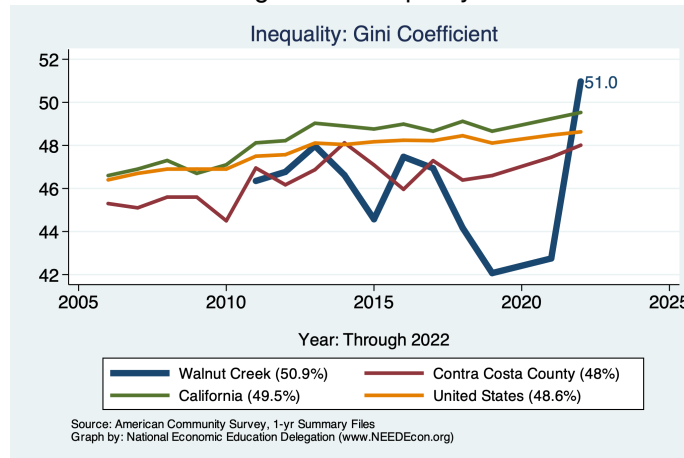


Figure 32: Shares Across the Income Distribution

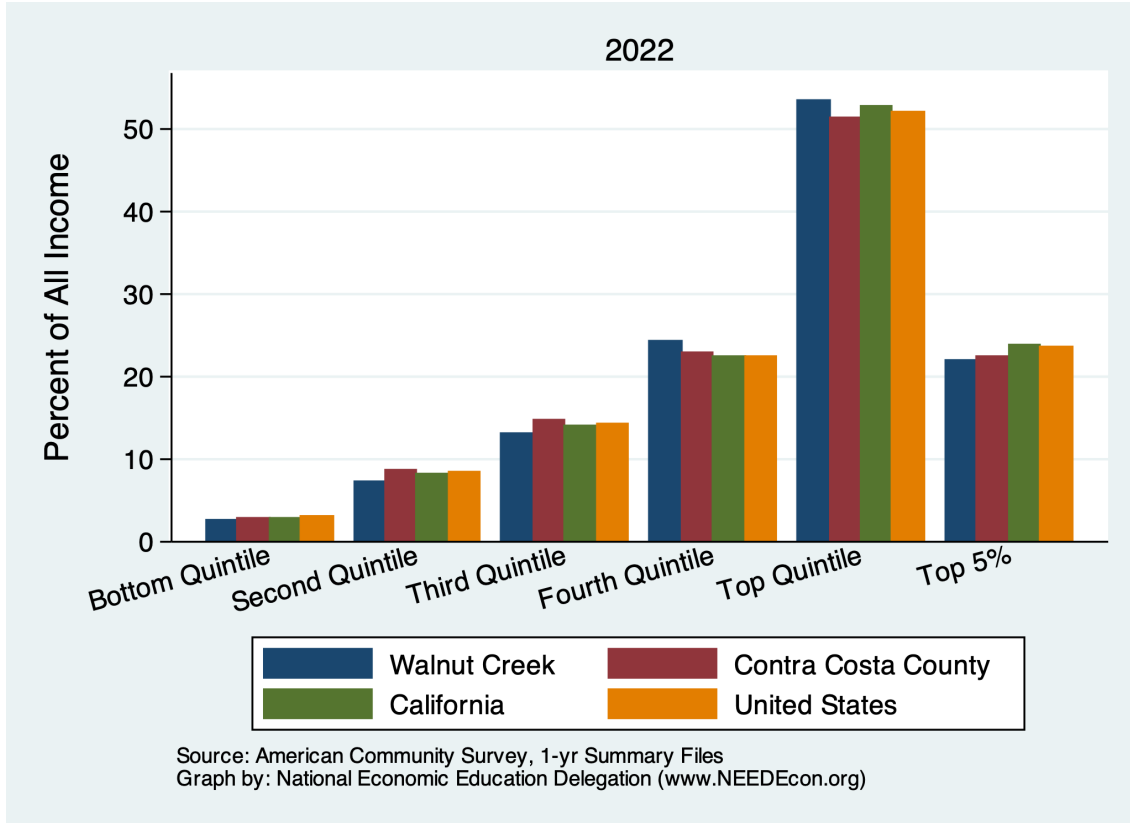
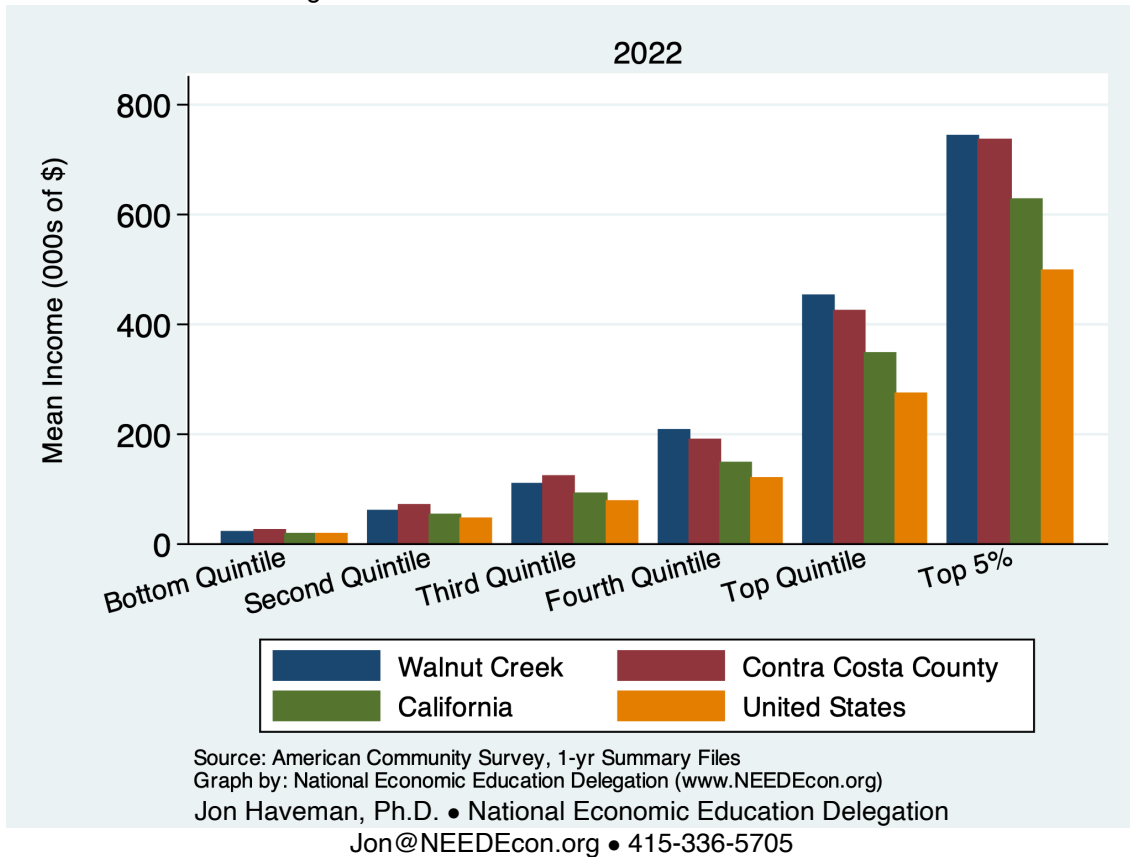


Figure 33: Means Across the Income Distribution



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 Walnut Creek and Broader Regions

Figure 34: Median Home Prices

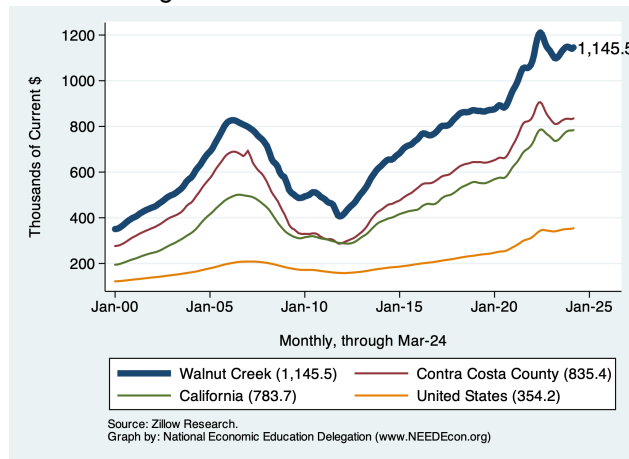
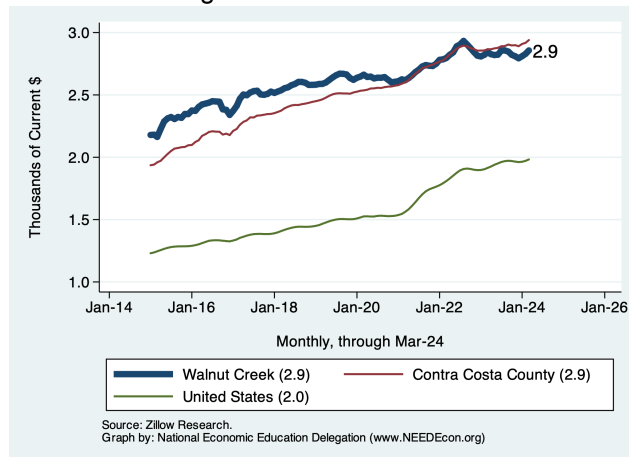


Figure 35: Median Rents



Housing Ownership in Walnut Creek and Broader Regions

Figure 36: Home Ownership Rates

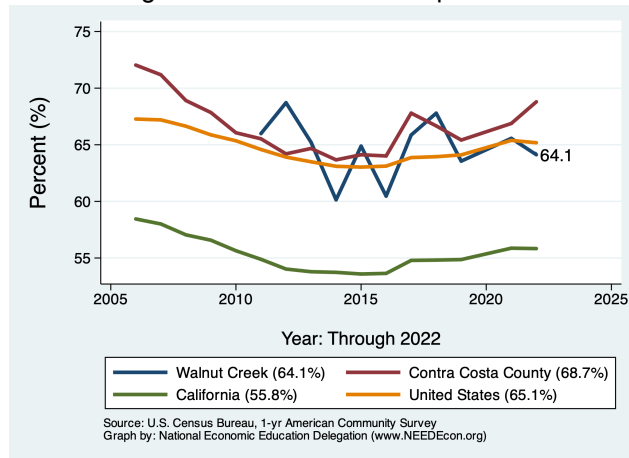


Figure 37: Home Ownership by Age

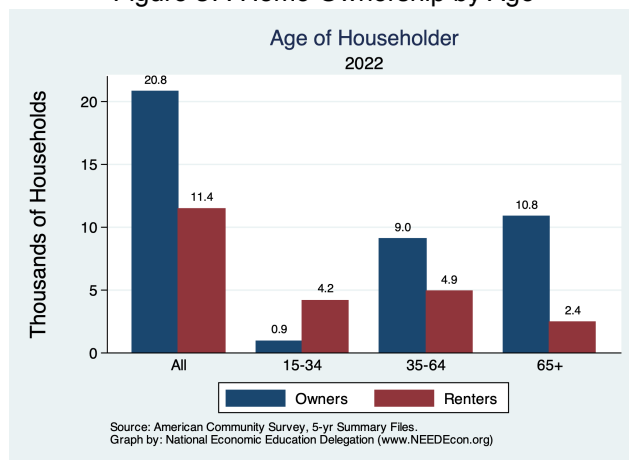


Figure 38: Income by Tenure

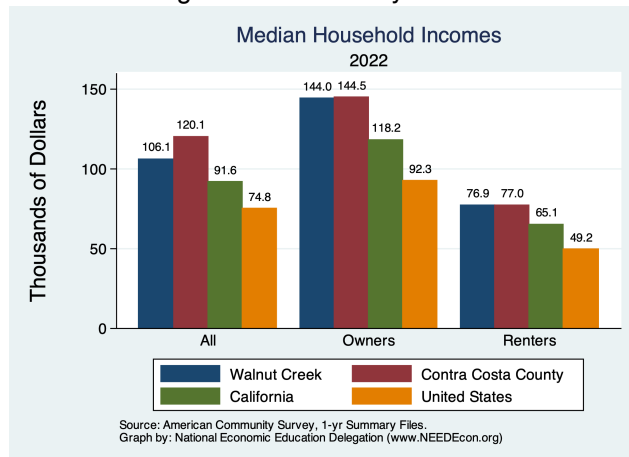


Figure 39: Income Distribution by Tenure

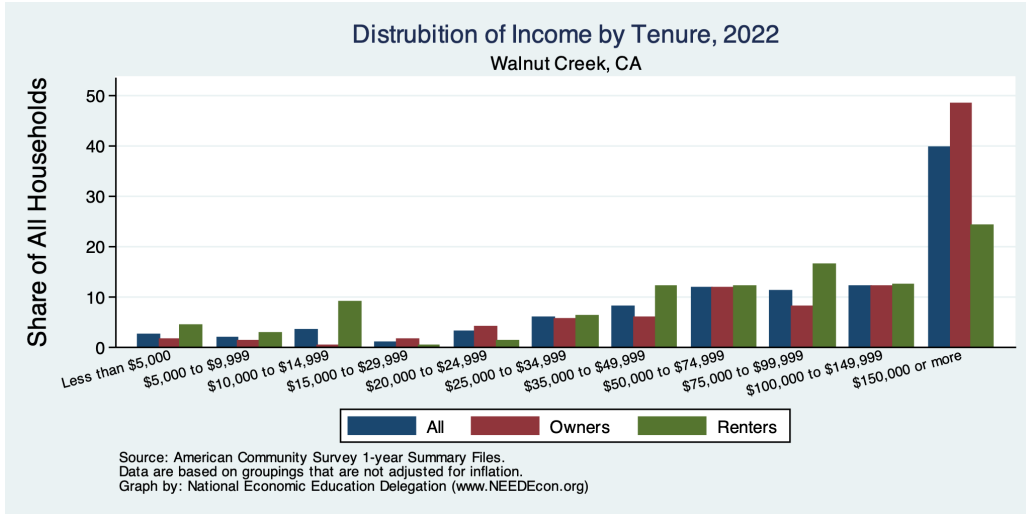


Figure 40: Income Distribution of Home Owners

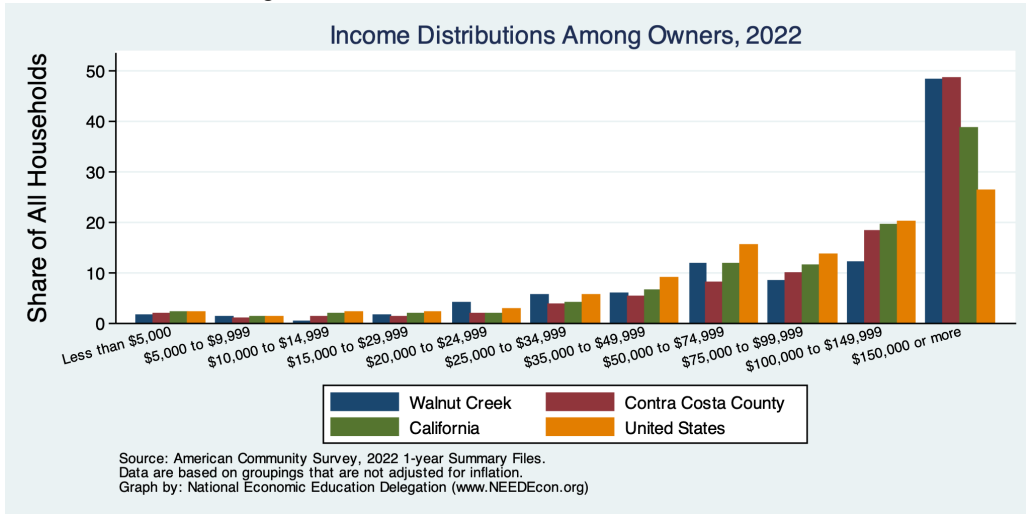
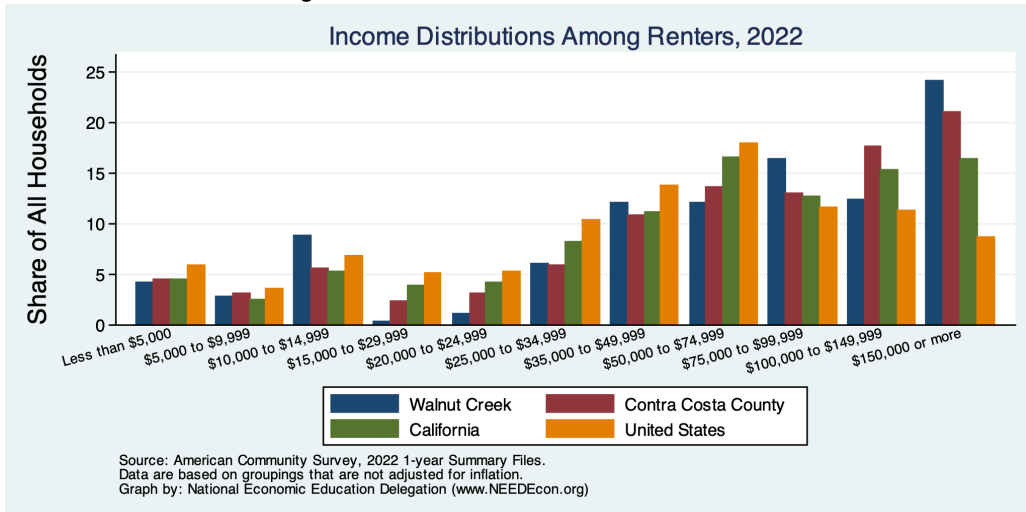


Figure 41: Income Distribution of Renters



Housing Burden in Walnut Creek and Broader Regions

Figure 42: Home Owners w/ A Mortgage

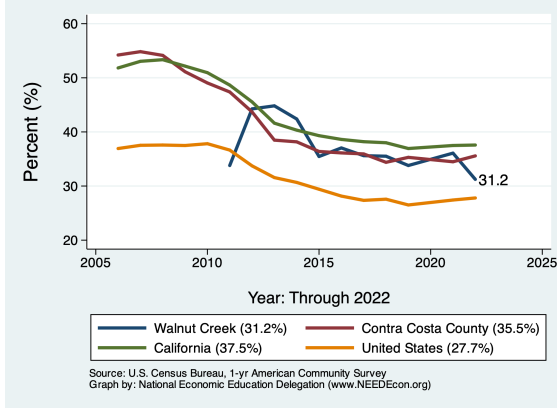


Figure 43: Home Owners w/o A Mortgage

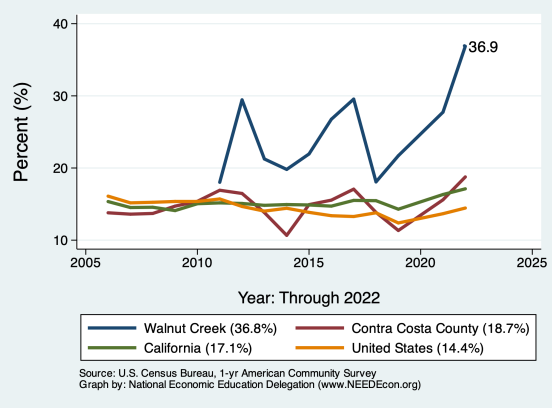


Figure 44: Renters

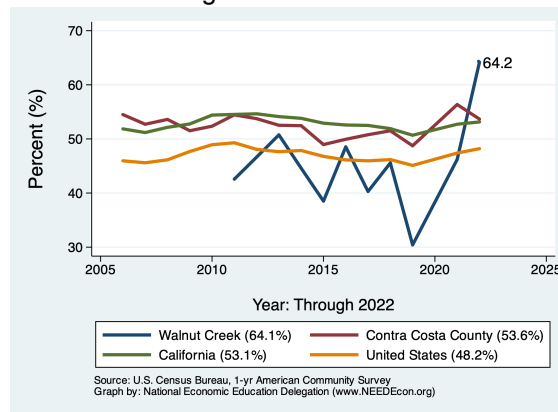
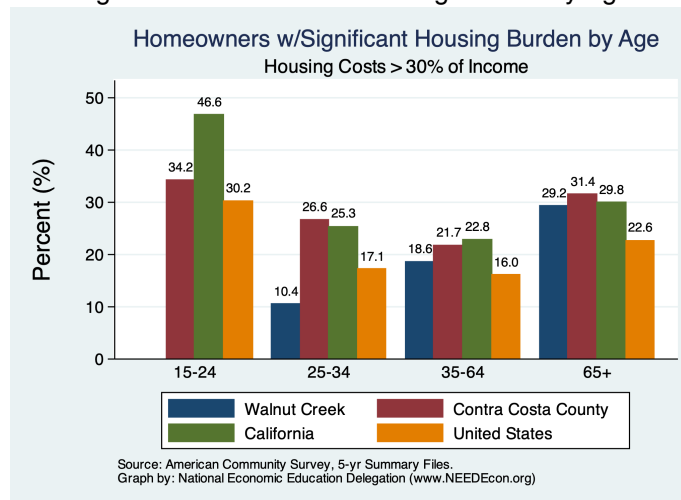


Figure 45: Homeowner Housing Burden by Age



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	2010
Total Population	69,245.0	70,958.0	64,173.0	-2.4	7.9
Total # of Homes	34,759.0	33,920.0	32,681.0	2.5	6.4
# Occupied Units	32,791.0	32,316.0	30,443.0	1.5	7.7
Persons per Household	2.1	2.2	2.1	-4.3	-0.1
Vacancy Rate (%)	5.7	4.7	6.8	19.7	-17.3

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

Figure 46: Housing Growth

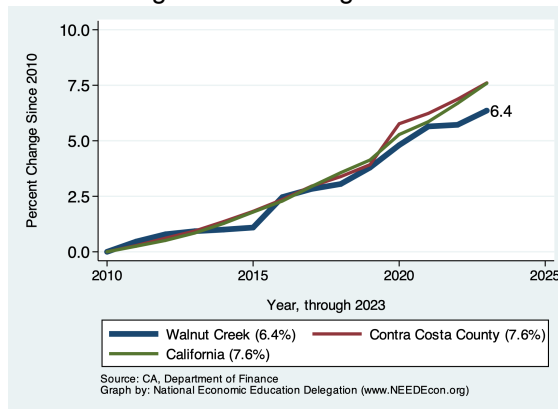


Figure 47: Persons per Household

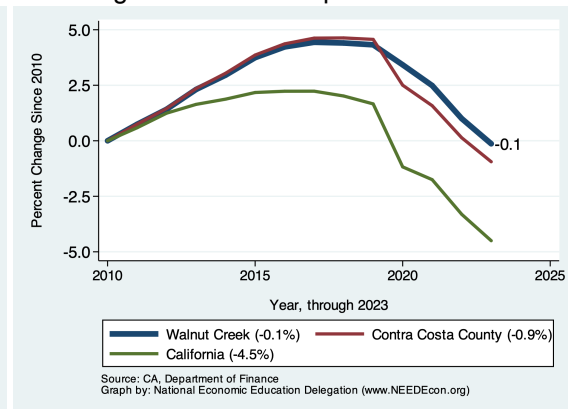


Figure 48: Vacancy Rates

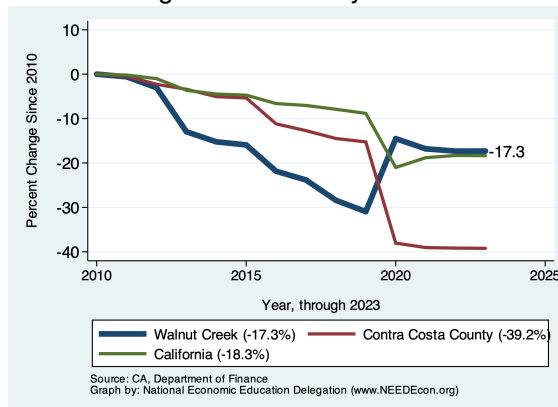
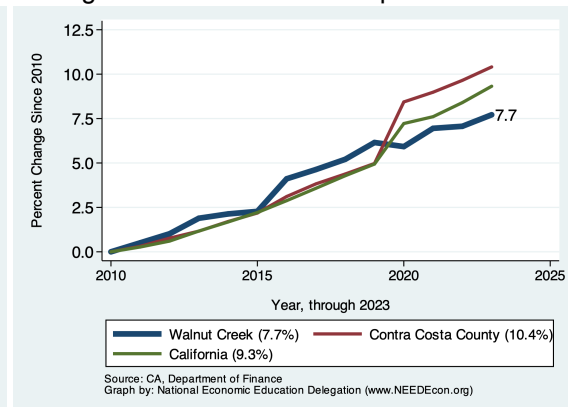


Figure 49: Number of Occupied Units



Trends in the Growth of Housing by Housing Type

Figure 50: Single Detached Homes

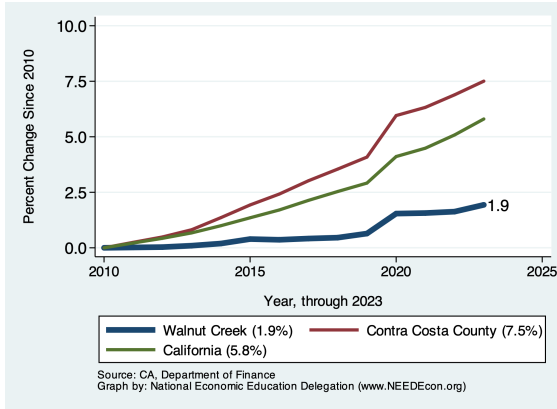


Figure 51: Single Attached Homes

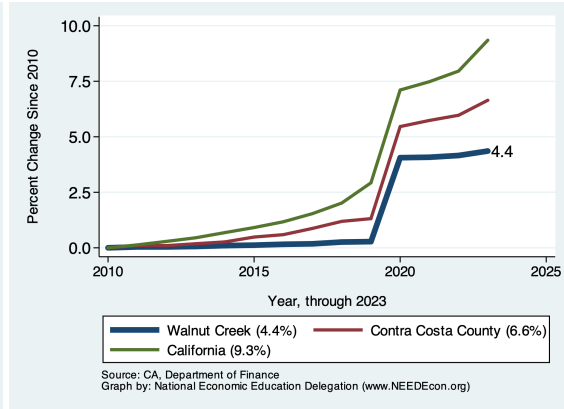


Figure 52: Housing in Buildings with Two to Four Units

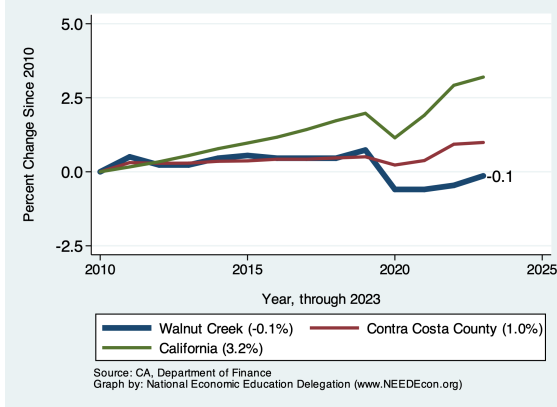
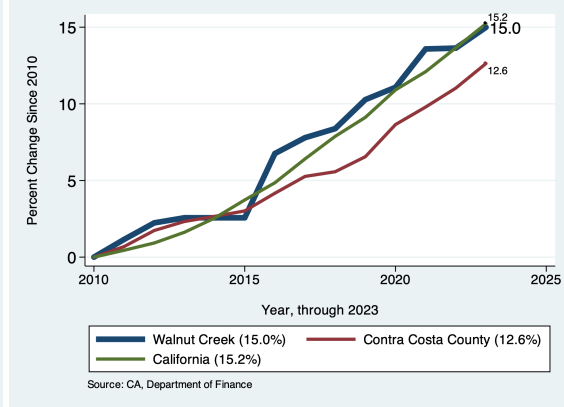


Figure 53: Housing in Buildings with Five or More Units



Vintage of Residential Housing

Why is it important?

This section provides evidence on the year in which residential housing in Walnut Creek was built. We break it down into owned versus rented residences and provide a comparison across Contra Costa 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 hous-

ing. 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

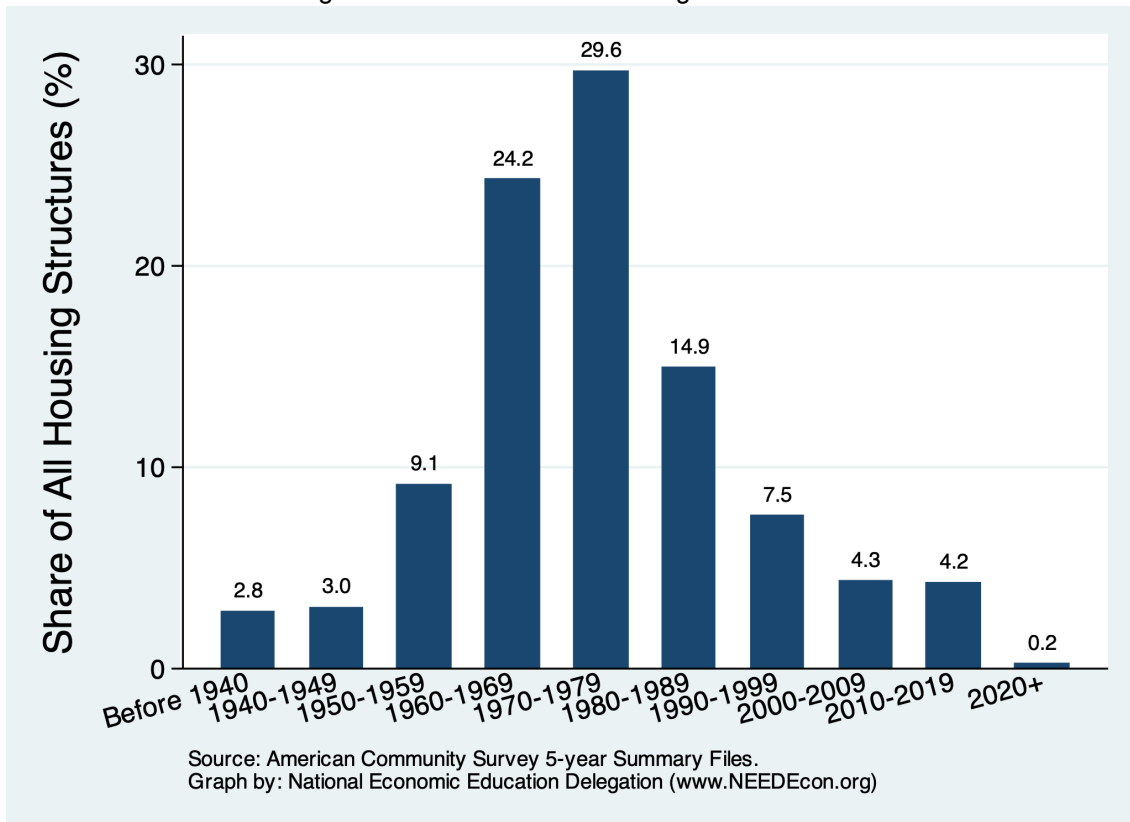


Figure 55: Housing Vintage across Regions

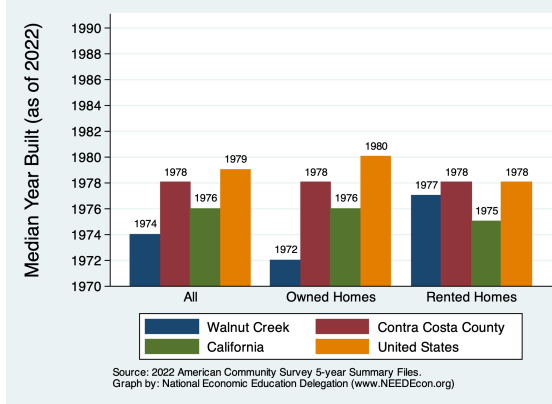


Figure 56: Housing Vintage by Tenure

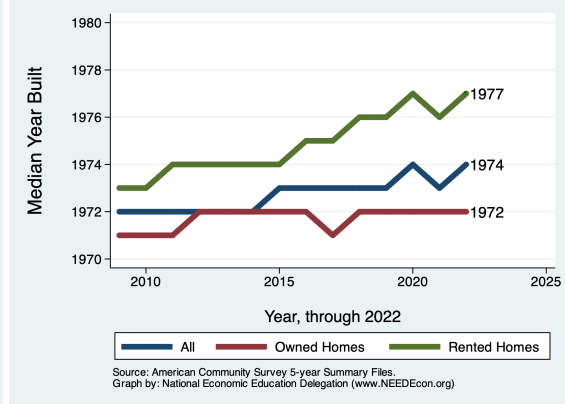


Figure 57: Vintage of Owned Residences

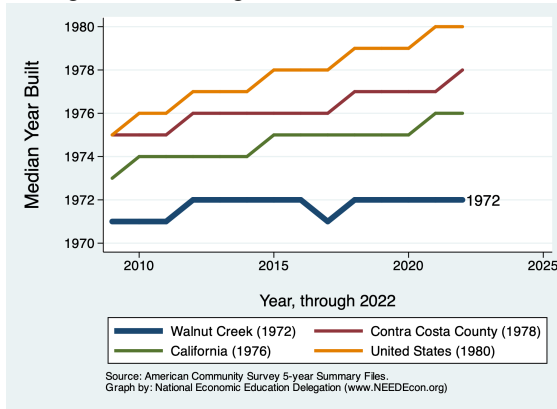


Figure 58: Vintage of Rented Residences

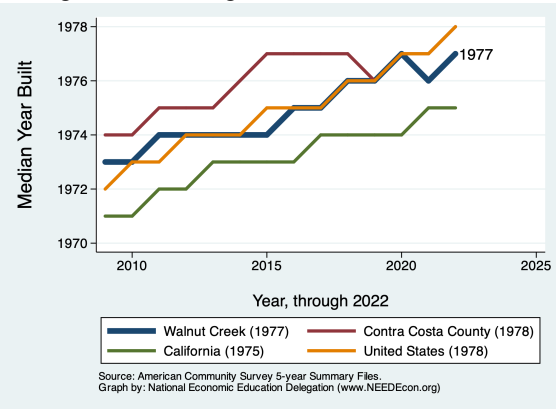
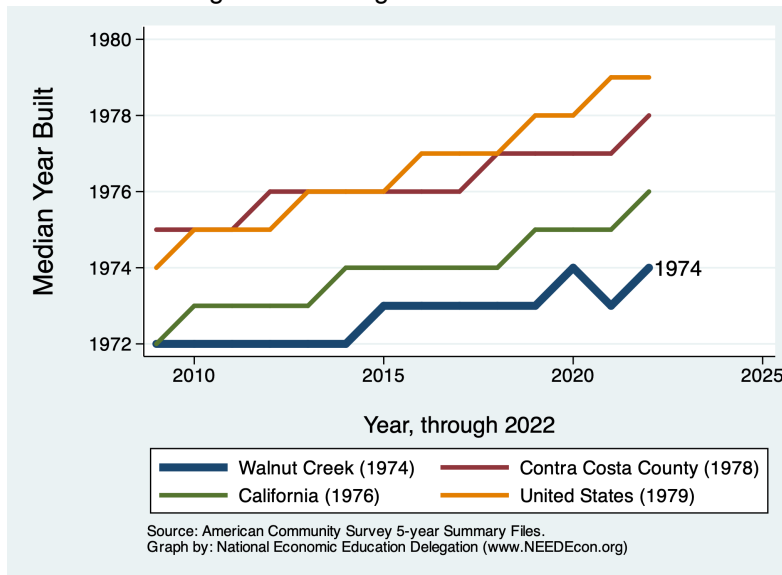


Figure 59: Vintage of All Residences



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

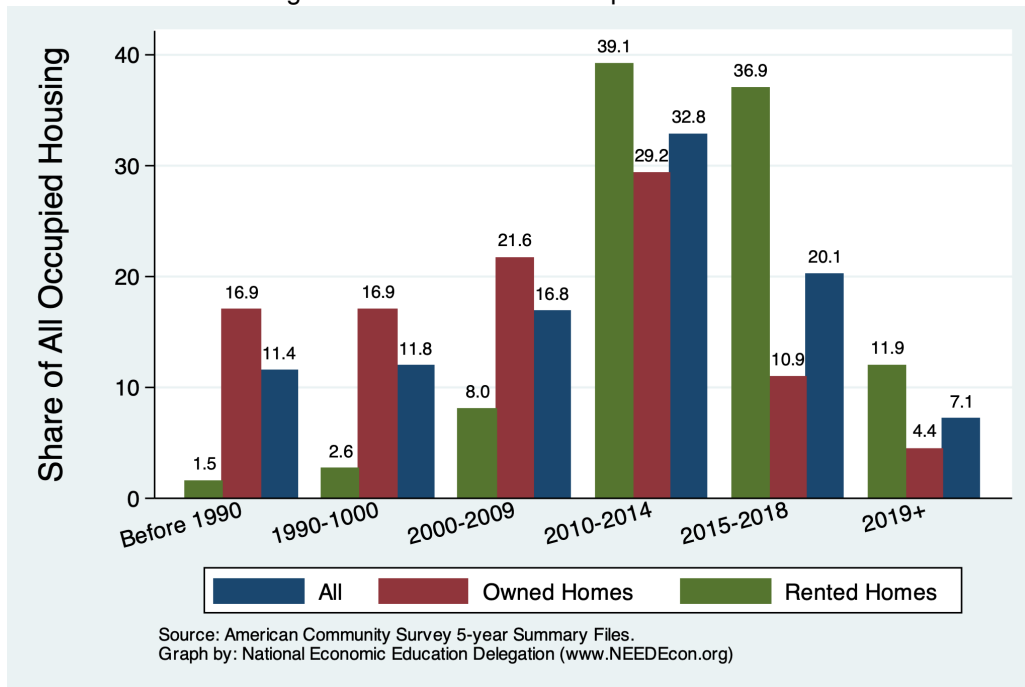


Figure 61: Year Occupied by Current Residents across Regions

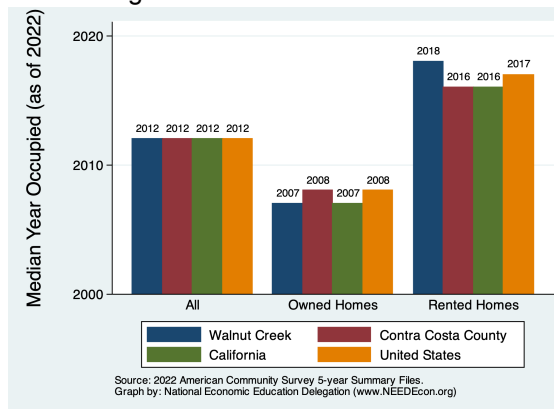


Figure 62: Year Occupied by Current Residents by Tenure

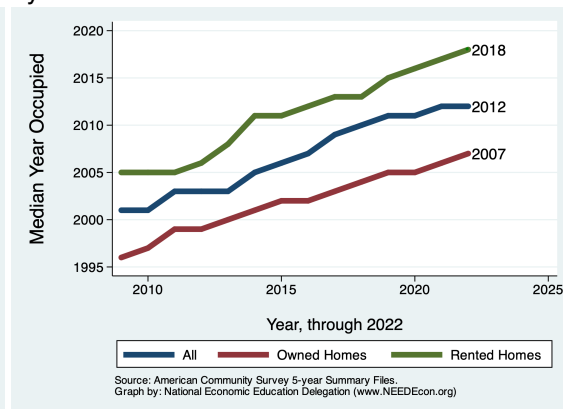


Figure 63: Year Occupied by Current Residents for Owned Housing

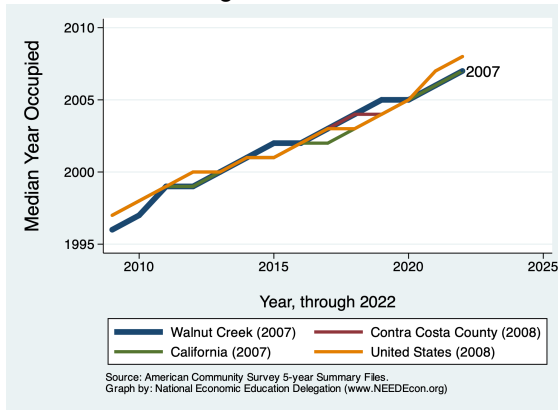


Figure 64: Year Occupied by Current Residents for Rented Housing

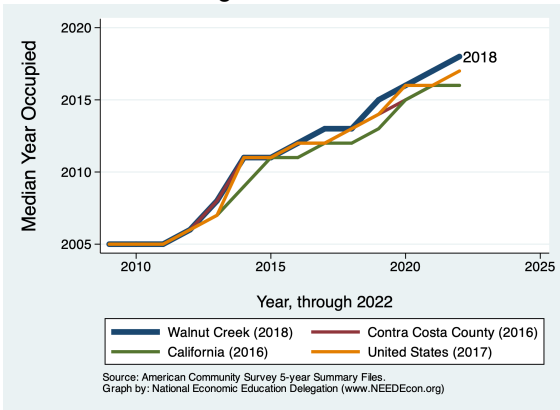
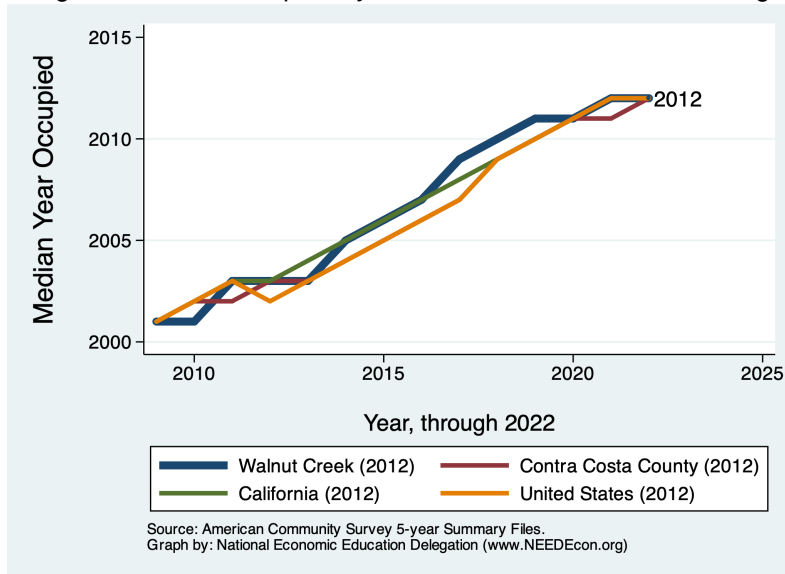


Figure 65: Year Occupied by Current Residents for All Housing



Residential Permitting

Definition:

This indicator provides evidence on the number of residential buildings that are permitted for construction each year. Permit data for Walnut Creek is compared with data from Contra Costa 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.

Walnut Creek - Ranking Among Comparables

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

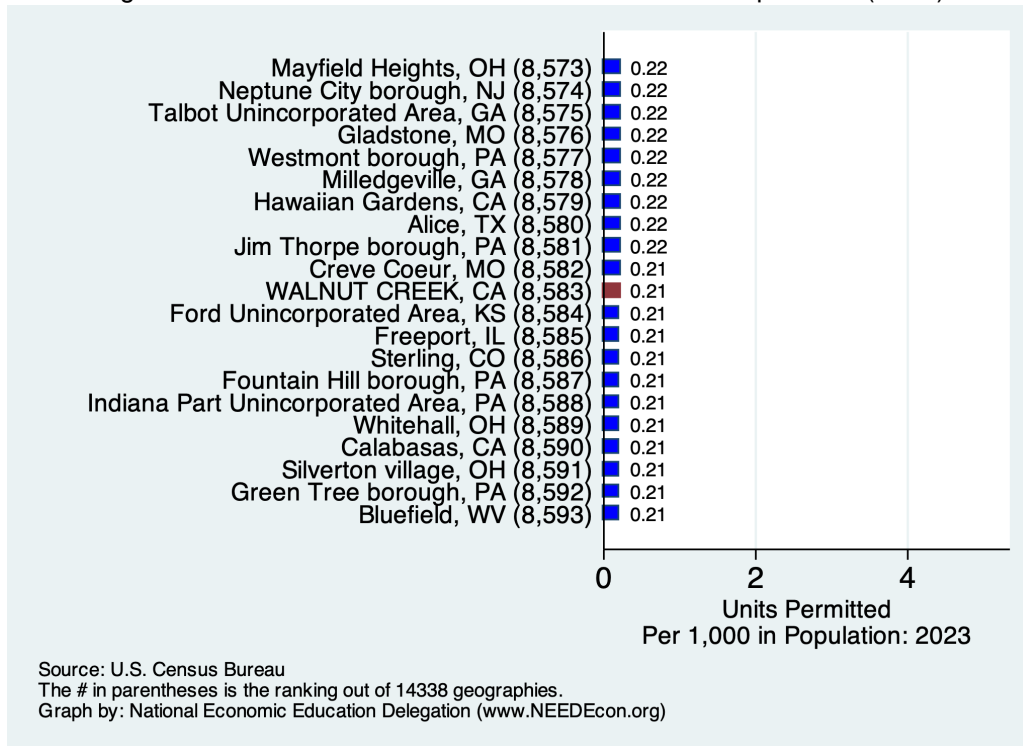
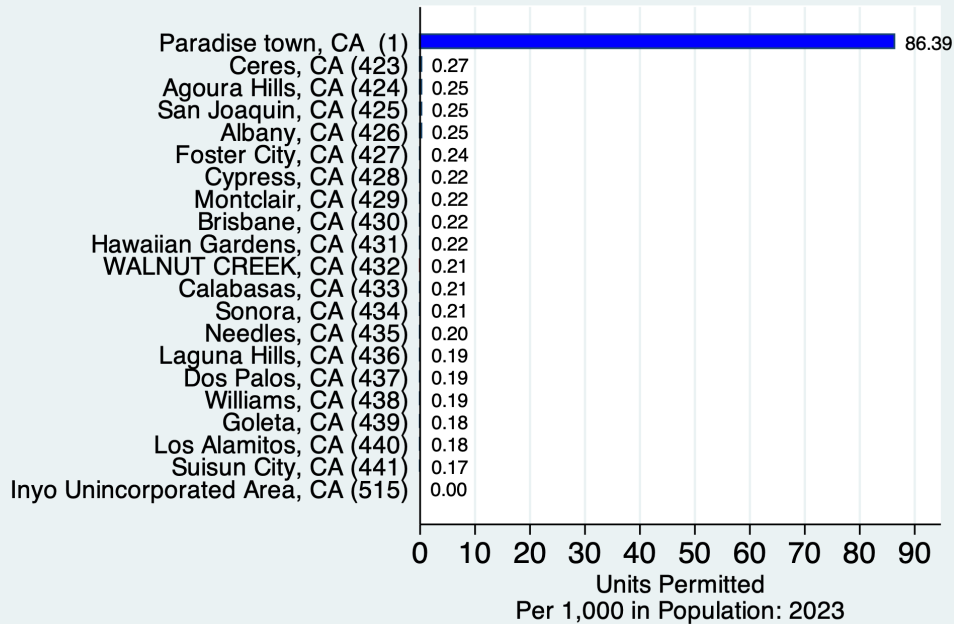
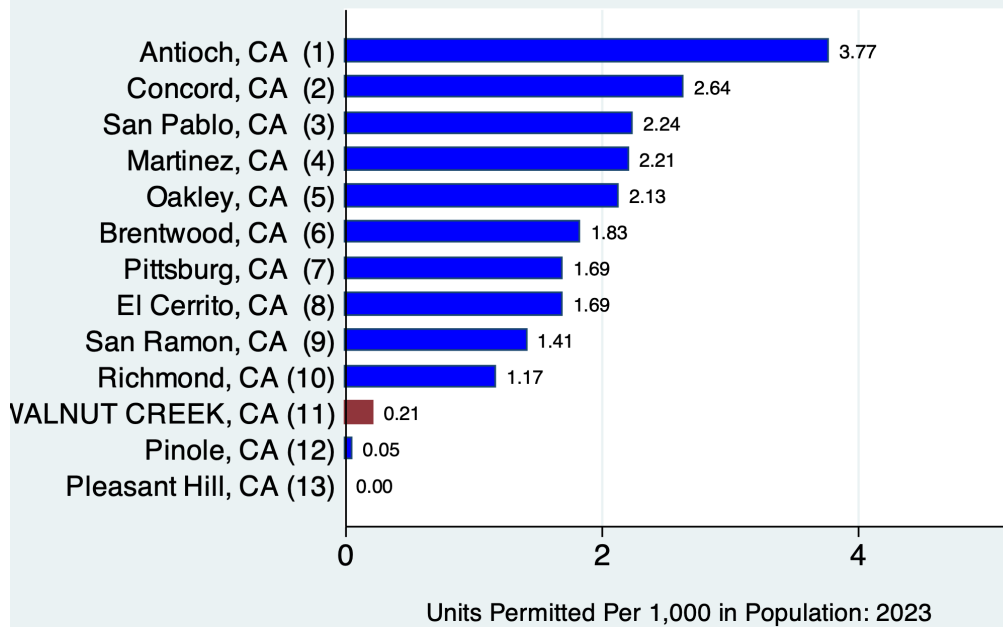


Figure 67: Number of Units Permitted - California Comparables (Rank)



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 Contra Costa County (Rank)



Source: U.S. Census Bureau,
 The # in parentheses is the ranking out of 13 geographies.
 Graph by: National Economic Education Delegation (www.NEEDecon.org)

Walnut Creek - Permitting Activity

Annual Units Permitted - Per Capita in Walnut Creek

Figure 69: Units Permitted Each Year

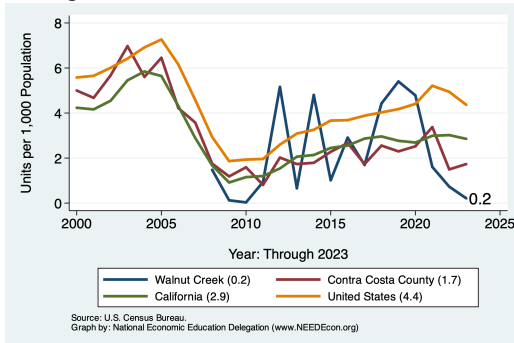
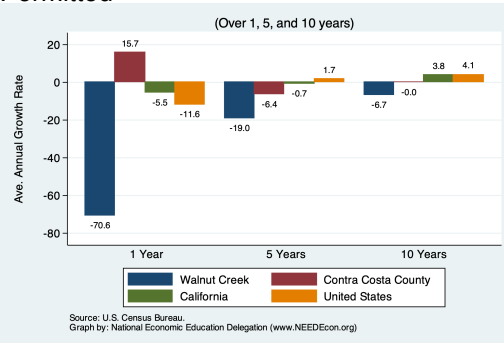


Figure 70: Average Annual Growth in Units Permitted



Annual Number of Buildings Permitted - Per Capita in Walnut Creek

Figure 71: Units Permitted Each Year

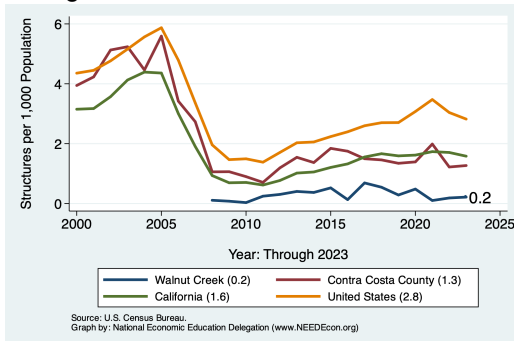
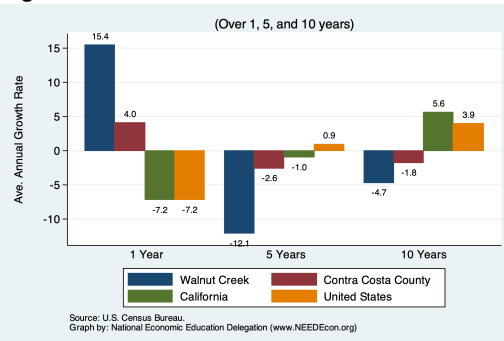


Figure 72: Average Annual Growth in Buildings Permitted



Annual Value of Property Permitted - Per Capita in Walnut Creek

Figure 73: Value Permitted Each Year

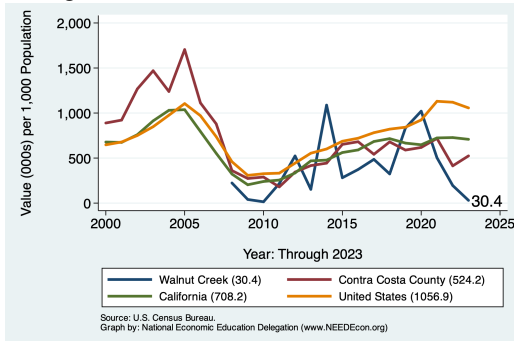
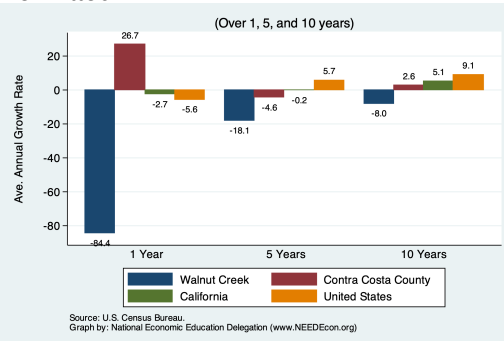


Figure 74: Average Annual Growth in Value Permitted



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 hous-

ing 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

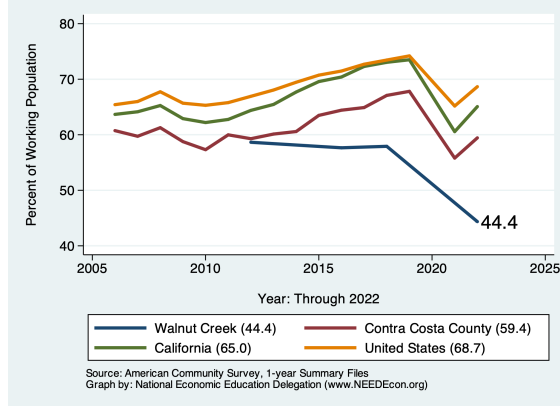


Figure 76: Percent of Workers Commuting by Carpool

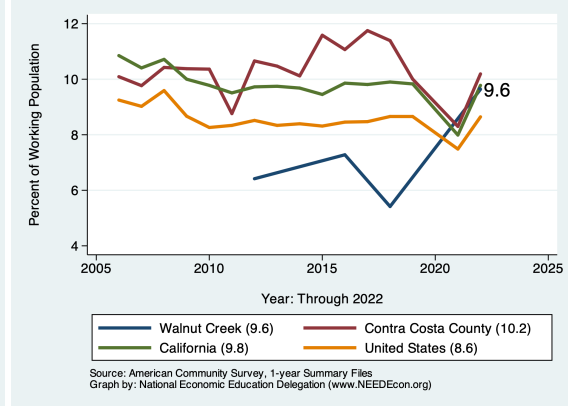


Figure 77: Percent of Workers using Public Transportation

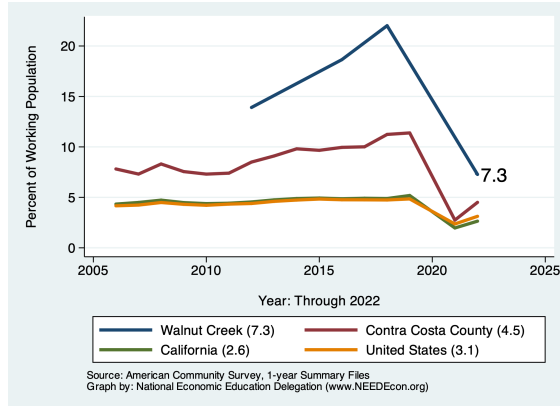
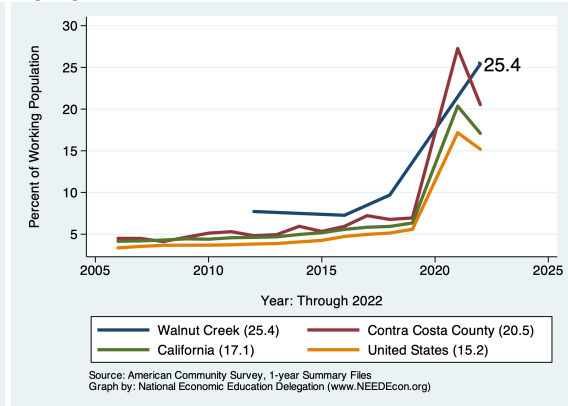


Figure 78: Percent of Workers Who Work From Home



The first table on this page presents data for those who LIVE in Walnut Creek. The second provides data on those who work, but do not necessarily live in Walnut Creek. 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

Mode of Transit	Male		Female		All Workers		All of CA
	#	(%)	#	(%)	#	(%)	(%)
Car, Truck, or Van:	9,183	51.9	8,515	53.6	17,698	54.0	75.3
Drove Alone	7,506	42.5	7,033	44.2	14,539	44.4	65.5
Carpooled:	1,677	9.5	1,482	9.3	3,159	9.6	9.8
In 2-person carpool	843	4.8	1,059	6.7	1,902	5.8	7.0
In 3-person carpool	716	4.0	243	1.5	959	2.9	1.7
In 4-or-more-person carpool	118	0.7	180	1.1	298	0.9	1.2
Public Transportation (excl Taxi):	1,728	9.8	656	4.1	2,384	7.3	2.7
Bus or Trolley Bus	283	1.6	61	0.4	344	1.0	1.8
Streetcar or Trolley Car	1,274	7.2	595	3.7	1,869	5.7	0.5
Subway or Elevated	171	1.0	0	0.0	171	0.5	0.2
Railroad	0	0.0	0	0.0	0	0.0	0.1
Ferryboat	0	0.0	0	0.0	0	0.0	0.1
Bicycle	164	0.9	62	0.4	226	0.7	0.7
Walked	673	3.8	696	4.4	1,369	4.2	2.4
Taxicab, Motorcycle, or other	154	0.9	182	1.1	336	1.0	1.7
Worked at Home	4,715	26.7	3,609	22.7	8,324	25.4	17.2
Total:	16,617	94.0	13,720	86.3	30,337	92.6	

Source: 2022 1-year American Community Survey, Summary File

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

Mode of Transit	Male		Female		All Workers		All of CA
	#	(%)	#	(%)	#	(%)	(%)
Car, Truck, or Van:	19,327	68.1	23,995	73.3	43,322	74.4	78.0
Drove Alone	17,169	60.5	21,169	64.6	38,338	65.8	68.5
Carpooled:	2,158	7.6	2,826	8.6	4,984	8.6	9.5
In 2-person carpool	1,609	5.7	2,060	6.3	3,669	6.3	6.9
In 3-person carpool	261	0.9	327	1.0	588	1.0	1.5
In 4-or-more-person carpool	288	1.0	439	1.3	727	1.2	1.1
Public Transportation (excl Taxi):	1,086	3.8	597	1.8	1,683	2.9	3.6
Bus or Trolley Bus	327	1.2	204	0.6	531	0.9	2.3
Streetcar or Trolley Car	514	1.8	265	0.8	779	1.3	0.8
Subway or Elevated	197	0.7	47	0.1	244	0.4	0.3
Railroad	48	0.2	59	0.2	107	0.2	0.2
Ferryboat	0	0.0	22	0.1	22	0.0	0.1
Bicycle	111	0.4	71	0.2	182	0.3	0.7
Walked	467	1.6	768	2.3	1,235	2.1	2.4
Taxicab, Motorcycle, or other	443	1.6	355	1.1	798	1.4	1.7
Worked at Home	4,369	15.4	3,752	11.5	8,121	13.9	13.6
Total:	25,803	90.9	29,538	90.2	55,341	95.0	

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

Mode of Transit	Male		Female		All Workers		All of CA
	#	(%)	#	(%)	#	(%)	(%)
Less than 5 minutes	161	1.0	272	1.9	433	1.4	2.1
5 to 9 minutes	892	5.5	601	4.1	1,493	4.9	7.8
10 to 14 minutes	2,001	12.2	1,627	11.2	3,628	11.9	12.4
15 to 19 minutes	1,256	7.7	1,189	8.2	2,445	8.0	15.4
20 to 24 minutes	727	4.4	2,274	15.7	3,001	9.9	14.8
25 to 29 minutes	568	3.5	802	5.5	1,370	4.5	6.4
30 to 34 minutes	1,744	10.7	1,201	8.3	2,945	9.7	15.2
35 to 39 minutes	321	2.0	154	1.1	475	1.6	2.9
40 to 44 minutes	457	2.8	729	5.0	1,186	3.9	4.1
45 to 59 minutes	1,317	8.1	400	2.8	1,717	5.6	8.2
60 to 89 minutes	2,087	12.8	283	2.0	2,370	7.8	7.2
90 or more minutes	371	2.3	579	4.0	950	3.1	3.6
Total:	11,902	72.8	10,111	69.8	22,013	72.4	

Source: 2022 1-year American Community Survey, Summary File

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

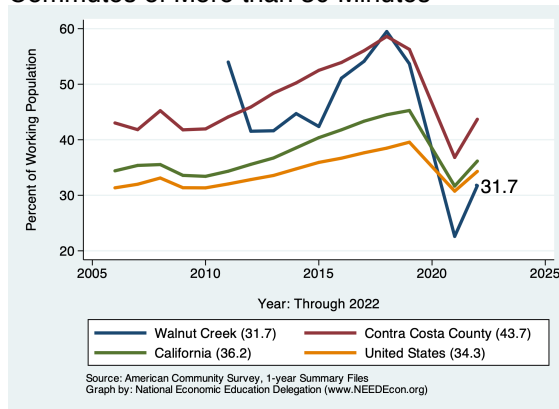


Figure 80: Percent of Employed Population With Commutes of More than 90 Minutes

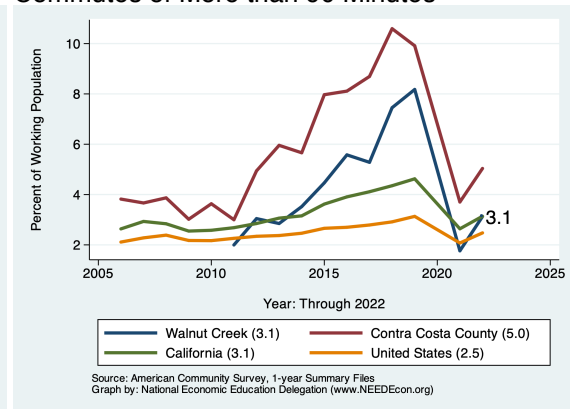
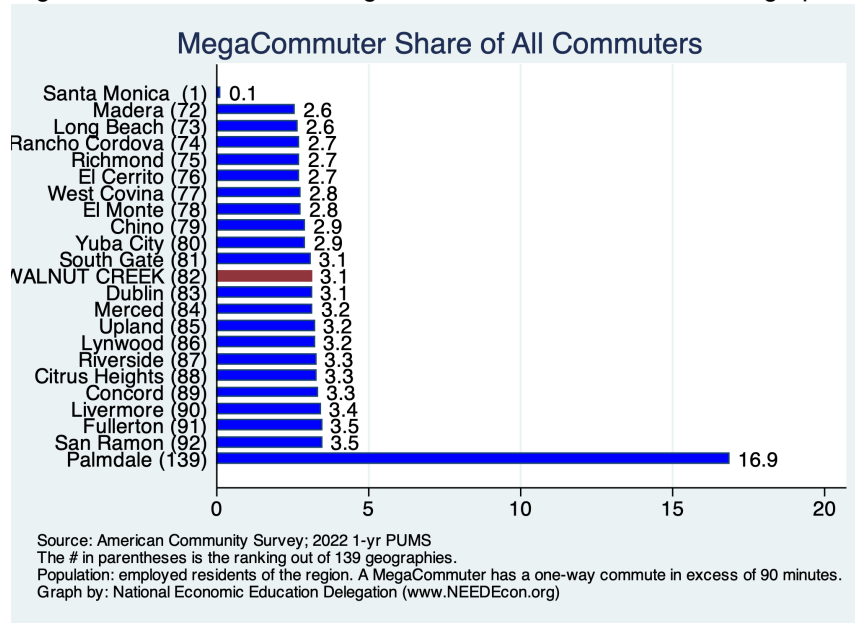


Figure 81: Rank: Share of MegaCommuters Across Similar Geographies



Commute Times for Those Employed in the City

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

Mode of Transit	Male		Female		All Workers		All of CA (%)
	#	(%)	#	(%)	#	(%)	
Less than 5 minutes	288	1.0	272	0.9	560	1.0	2.1
5 to 9 minutes	816	3.0	1,276	4.0	2,092	3.7	7.8
10 to 14 minutes	3,720	13.5	2,479	7.8	6,199	10.9	12.4
15 to 19 minutes	2,642	9.6	3,739	11.8	6,381	11.2	15.3
20 to 24 minutes	2,165	7.9	3,209	10.1	5,374	9.5	14.8
25 to 29 minutes	666	2.4	1,456	4.6	2,122	3.7	6.4
30 to 34 minutes	2,820	10.3	3,084	9.7	5,904	10.4	15.2
35 to 39 minutes	415	1.5	773	2.4	1,188	2.1	2.9
40 to 44 minutes	718	2.6	836	2.6	1,554	2.7	4.1
45 to 59 minutes	2,455	8.9	2,173	6.8	4,628	8.1	8.2
60 to 89 minutes	1,567	5.7	1,526	4.8	3,093	5.4	7.2
90 or more minutes	722	2.6	1,008	3.2	1,730	3.0	3.6
Total:	18,994	69.1	21,831	68.8	40,825	71.9	

Source: 2022 1-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

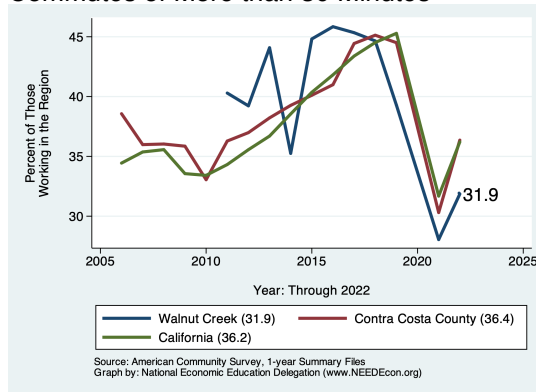


Figure 83: Percent of Local Employees With Commutes of More than 90 Minutes

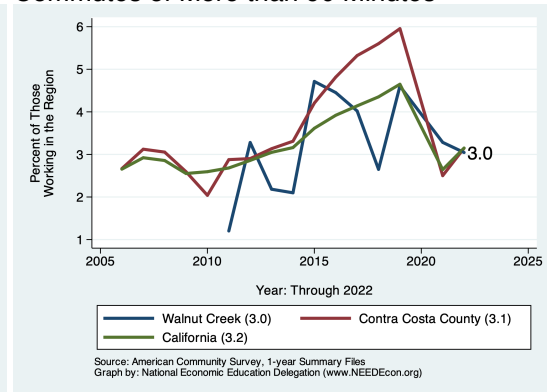
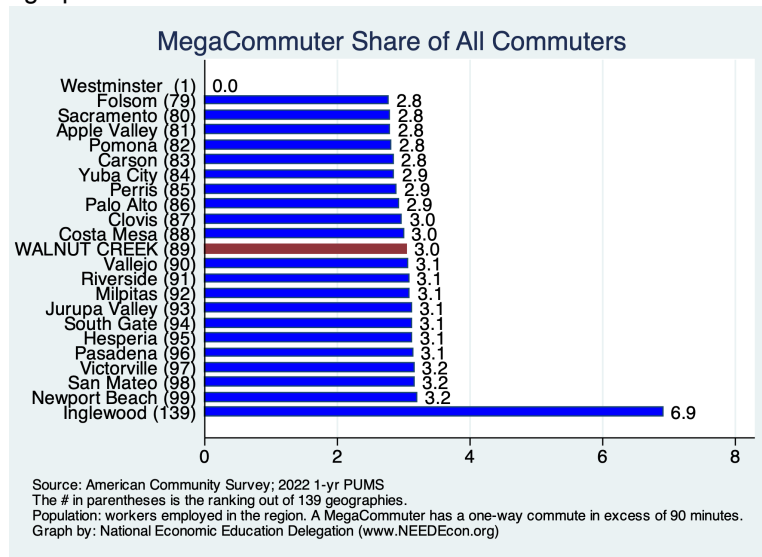


Figure 84: Rank: Share of MegaCommuters Across Similar Geographies



Place of Work

This section provides evidence on where workers living in Walnut Creek work. As evidenced in the first table, some of Walnut Creek’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 Walnut Creek city boundary.

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

Place of Work	Male		Female		All Workers		All of CA (%)
	#	(%)	#	(%)	#	(%)	
Worked in state of residence:	16,343	92.4	13,676	85.2	30,019	90.6	99.6
Worked in county of residence	11,350	64.2	11,134	69.4	22,484	67.9	85.3
worked outside of county of residence	4,993	28.2	2,542	15.8	7,535	22.7	14.3
Worked outside state of residence	274	1.5	44	0.3	318	1.0	0.4
Total:	16,617	94.0	13,720	85.5	30,337	91.6	

Source: 2022 1-year American Community Survey, Summary File

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

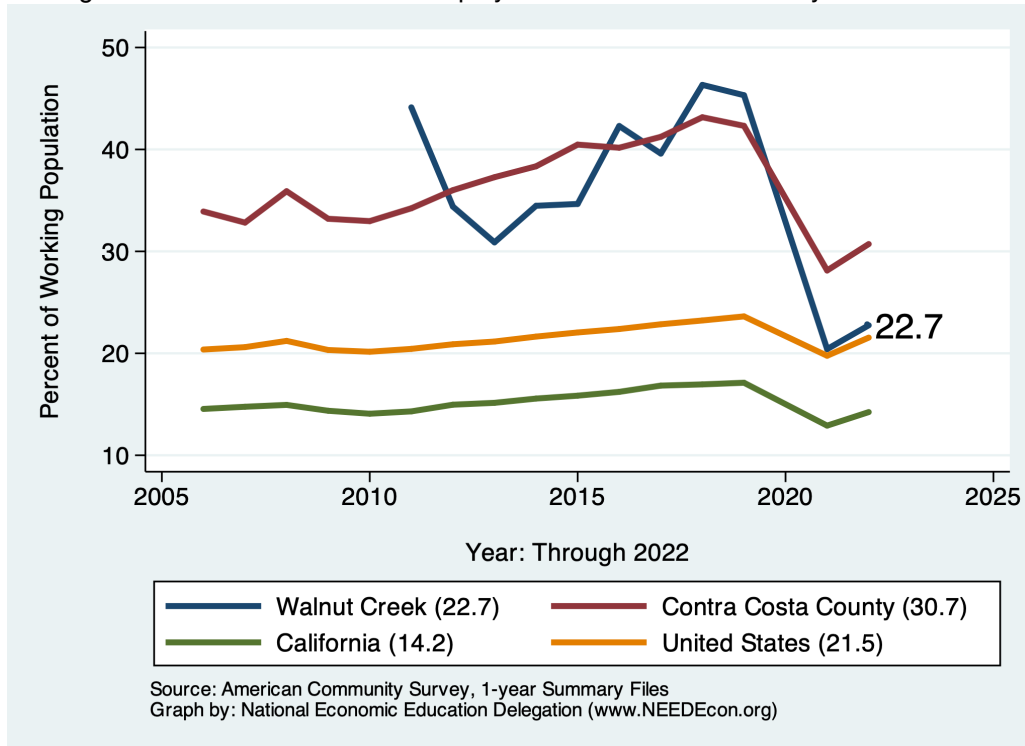
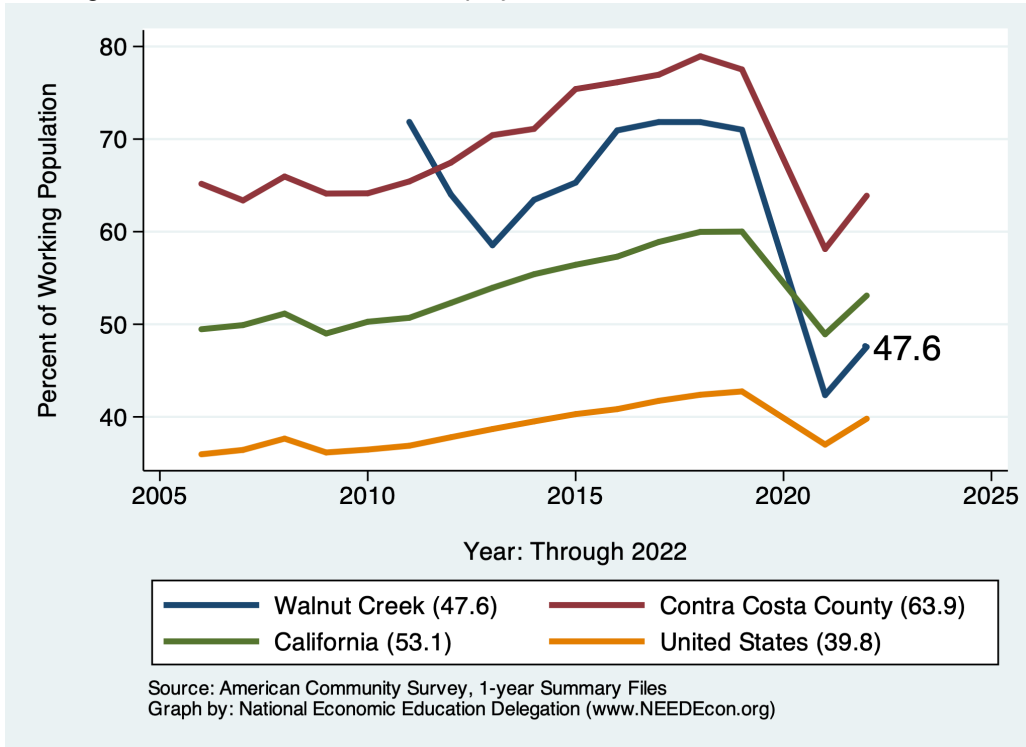


Table 11. SEX OF WORKERS BY PLACE OF WORK-PLACE LEVEL

Place of Work	Male		Female		All Workers		All of CA (%)
	#	(%)	#	(%)	#	(%)	
Living in a place:	16,617	94.0	13,720	85.5	30,337	91.6	95.8
Worked in place of residence	7,680	43.4	6,906	43.0	14,586	44.0	42.3
Worked outside place of residence	8,937	50.5	6,814	42.4	15,751	47.6	53.4
Not living in a place	0	0.0	0	0.0	0	0.0	4.2
Total:	16,617	94.0	13,720	85.5	30,337	91.6	

Source: 2022 1-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**

	California			United States	
	City Median	Median	Ratio	Median	Ratio
Car, truck, or van - drove alone	78,213	48,335	98.9	45,677	97.4
Car, truck, or van - carpooled	42,181	35,926	71.8	34,518	69.5
Public transportation (excluding taxicab)	73,469	34,625	129.7	41,443	100.8
Walked	80,405	30,552	160.9	27,247	167.9
Taxicab, motorcycle, bicycle, or other means	56,908	40,631	85.6	36,218	89.4
Worked from home	140,936	79,738	108.0	69,180	115.9
Total:	81,502	49,818	163.6	46,365	175.8

Source: 2022 1-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

Mode of Transit	< \$25,000		\$25,000-\$74,999		\$75,000+		All		All of CA
	#	(%)	#	(%)	#	(%)	#	(%)	(%)
Car, Truck, or Van: Drove Alone	3,127	38.6	3,794	43.3	8,528	46.8	16,310	49.8	68.4
Car, Truck, or Van: Carpooled	553	6.8	752	8.6	652	3.6	2,296	7.0	9.5
Public Transportation (excl Taxi)	386	4.8	607	6.9	2,870	15.7	4,124	12.6	3.6
Walked	142	1.8	318	3.6	332	1.8	864	2.6	2.4
Taxicab, Motorcycle, or other	162	2.0	287	3.3	223	1.2	672	2.1	2.4
Worked at Home	909	11.2	1,222	14.0	5,636	30.9	8,121	24.8	13.6
Total:	5,279	65.2	6,980	79.7	18,241		32,387	98.8	100.0

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

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

Mode of Transit	< \$25,000		\$25,000-\$74,999		\$75,000+		All		All of CA
	#	(%)	#	(%)	#	(%)	#	(%)	(%)
Car, Truck, or Van: Drove Alone	7,946	45.8	10,873	59.5	15,865	66.1	38,338	65.8	68.5
Car, Truck, or Van: Carpooled	1,383	8.0	1,571	8.6	1,430	6.0	4,984	8.6	9.5
Public Transportation (excl Taxi)	432	2.5	427	2.3	449	1.9	1,683	2.9	3.6
Walked	289	1.7	388	2.1	479	2.0	1,235	2.1	2.4
Taxicab, Motorcycle, or other	311	1.8	395	2.2	142	0.6	980	1.7	2.4
Worked at Home	909	5.2	1,222	6.7	5,636	23.5	8,121	13.9	13.6
Total:	11,270	64.9	14,876	81.4	24,001		55,341	95.0	

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

Mode of Transit	In Poverty		100-149% of Pov		>150% of Pov		All		All of CA (%)
	#	(%)	#	(%)	#	(%)	#	(%)	
Car, Truck, or Van: Drove Alone	393	37.7	429	35.3	15,488	50.2	16,310	50.4	68.7
Car, Truck, or Van: Carpooled	193	18.5	109	9.0	1,994	6.5	2,296	7.1	9.5
Public Transportation (excl Taxi)	80	7.7	117	9.6	3,927	12.7	4,124	12.7	3.6
Walked	68	6.5	18	1.5	778	2.5	864	2.7	2.1
Taxicab, Motorcycle, or other	46	4.4	7	0.6	619	2.0	672	2.1	2.4
Worked at Home	134	12.9	29	2.4	7,958	25.8	8,121	25.1	13.6
Total:	914	87.7	709	58.4	30,764	99.7	32,387		

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

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

Mode of Transit	In Poverty		100-149% of Pov		>150% of Pov		All		All of CA (%)
	#	(%)	#	(%)	#	(%)	#	(%)	
Car, Truck, or Van: Drove Alone	1,198	40.4	1,052	38.5	36,021	66.2	38,271	65.7	68.7
Car, Truck, or Van: Carpooled	242	8.2	495	18.1	4,247	7.8	4,984	8.6	9.5
Public Transportation (excl Taxi)	70	2.4	80	2.9	1,533	2.8	1,683	2.9	3.6
Walked	78	2.6	62	2.3	1,095	2.0	1,235	2.1	2.1
Taxicab, Motorcycle, or other	62	2.1	0	0.0	918	1.7	980	1.7	2.4
Worked at Home	134	4.5	29	1.1	7,958	14.6	8,121	13.9	13.6
Total:	1,784	60.2	1,718	62.8	51,772	95.2	55,274	94.9	

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 Walnut Creek 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

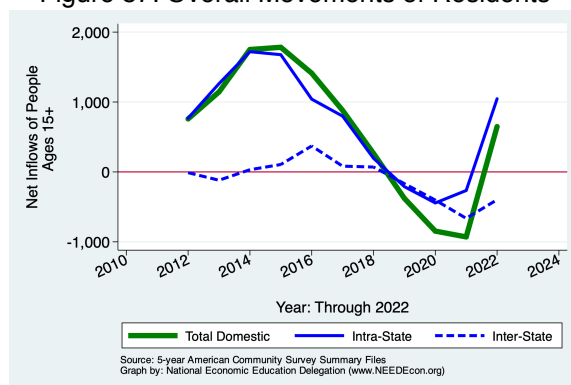


Table 17: Migration by Income

Category	Population	Net Inflows				
		All Migration	Same State		Across States	From Abroad
			W/in County	Between Counties		
No income	5,608	139	-84	20	-21	224
With income	55,276	943	-696	1,806	-377	210
\$1 to \$9,999 or less	5,332	336	274	176	-156	42
\$10,000 to \$14,999	2,702	209	109	165	-65	0
\$15,000 to \$24,999	4,612	-119	-53	-165	50	49
\$25,000 to \$34,999	3,765	271	96	226	-76	25
\$35,000 to \$49,999	5,610	409	7	226	176	0
\$50,000 to \$64,999	4,997	163	-213	284	92	0
\$65,000 to \$74,999	2,871	2	-58	209	-149	0
\$75,000 or more	25,387	-328	-858	685	-249	94
All:	60,884	1,082	-780	1,826	-398	434

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

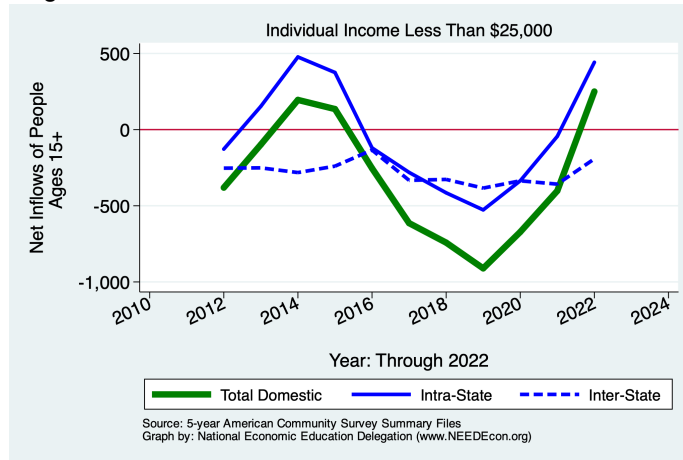


Figure 89: Overall Movements of Middle Income Residents

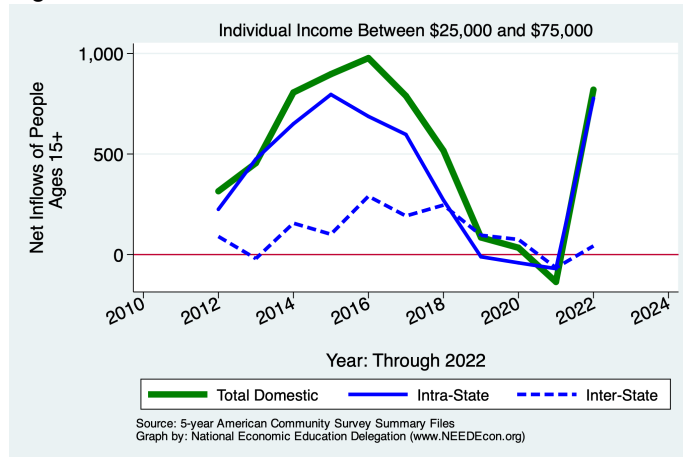
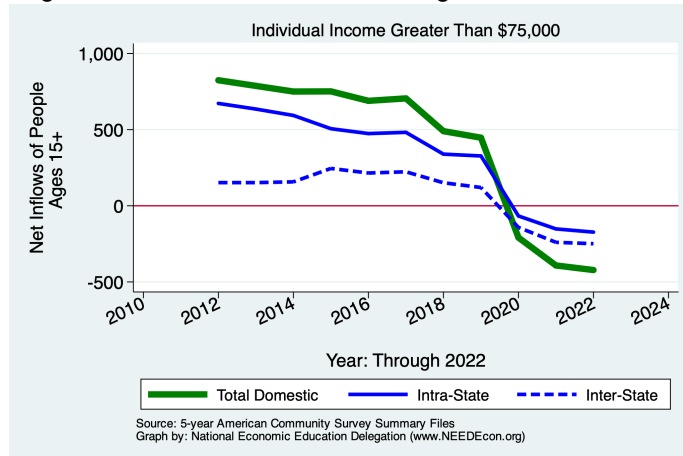


Figure 90: Overall Movements of High Income Residents



Demographics of Migration Flows

Table 18: Migration by Marital Status

Category	Population	Net Inflows				
		All Migration	Same State			From Abroad
			W/in County	Between Counties	Across States	
Never married	16,692	1,659	1,443	-198	414	0
Now married, except separated	28,800	503	-61	606	-42	0
Divorced	5,608	276	53	30	193	0
Separated	863	-48	51	-99	0	0
Widowed	5,672	550	189	146	215	0
Total:	57,635	2,940	1,675	485	780	0

Source: 2022 1-year American Community Survey, Summary File

Table 19: Migration by Tenure

Category	Population	Net Inflows				
		All Migration	Same State			From Abroad
			W/in County	Between Counties	Across States	
Householder lived in owner-occupied housing units	43,897	428	-29	413	-41	85
Householder lived in renter-occupied housing units	22,990	2,473	1,282	480	711	0
Total:	66,887	2,901	1,253	893	670	85

Source: 2022 1-year American Community Survey, Summary File

Figure 91: Domestic Movements of Residents by Tenure

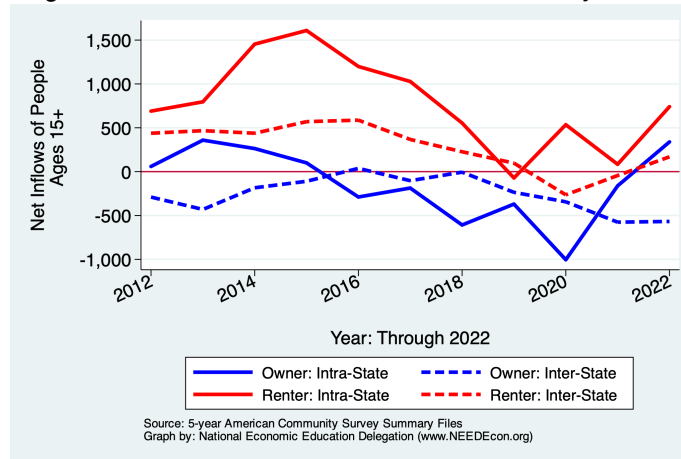


Table 20: Migration by Age

Category	Population	Net Inflows					From Abroad
		All Migration	Same State			Across States	
			W/in County	Between Counties	W/in County		
1 to 4 years	2,694	43	-124	136	-3	34	
5 to 17 years	7,477	10	-238	276	-51	23	
18 and 19 years	899	-274	-30	-134	-110	0	
20 to 24 years	3,201	308	3	424	-162	43	
25 to 29 years	4,721	88	-78	117	-63	112	
30 to 34 years	5,050	53	-202	296	-41	0	
35 to 39 years	4,392	221	-171	416	-24	0	
40 to 44 years	4,164	171	6	141	-85	109	
45 to 49 years	3,739	-122	-197	52	7	16	
50 to 54 years	3,903	160	-75	178	48	9	
55 to 59 years	4,544	1	-67	57	-1	12	
60 to 64 years	3,937	-228	-35	38	-241	10	
65 to 69 years	4,559	85	-22	22	44	41	
70 to 74 years	5,025	120	21	-30	112	17	
75 years and over	10,860	543	64	294	120	65	
Total Population:	69,165	1,179	-1,145	2,283	-450	491	

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

Table 21: Migration by Educational Attainment

Category	Population	Net Inflows					From Abroad
		All Migration	Same State			Across States	
			W/in County	Between Counties	W/in County		
Less than high school graduate	1,524	166	80	44	-14	56	
High school graduate (includes equiv)	4,834	72	-7	61	18	0	
Some college or assoc. degree	10,397	-22	-379	347	-1	11	
Bachelor's degree	20,726	595	-158	708	-173	218	
Graduate or professional degree	17,413	281	-292	421	46	106	
Total:	54,894	1,092	-756	1,581	-124	391	

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	65,870	65,870
Moved Within Same County	25,722	117,407
Moved to Different County, Same State	56,546	111,864
Moved Between States	52,011	31,548
Total Population:	63,459	70,765

Source: 2022 1-year American Community Survey, Summary File

Table 23: Median Age of Migration Flows

Flow	In-Migration	Out-Migration
Same House 1 Year Ago	46.9	46.9
Moved Within Same County	33.9	35.6
Moved to Different County, Same State	34.9	30.7
Moved Between States	50.1	37.2
Total Population:	44.9	44.0

Source: 2022 1-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 released in January.

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

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