# San Joaquin, California

# Indicators Report

by
The National Economic Education Delegation (NEED)

April 20, 2024

Exploring the economics, demographics, and well-being of San Joaquin 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 San Joaquin (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 San Joaquin. 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 San Joaquin 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 San Joaquin 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 San Joaquin, 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 San Joaquin, but do not necessarily live in San Joaquin.
- **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 compositon.

## Why is it important?

The characteristics and growth of San Joaquin's population are fundamental indicators of the city's growth potential.

# A Demographic Snapshot

Statistic	2022	2019
POPULATION		
Population Estimate (#, 5yr)	3,725.0	4,020.0
Veterans (#, 5yr)	15.0	20.0
Foreign born persons (%, 5yr)	39.1	47.9
Population age 25+ (#, 5yr)	1,822.0	2,144.0
AGE AND SEX		
Persons under 5 years (%, 5yr)	11.6	9.7
Persons under 18 years (%, 5yr)	38.8	35.6
Persons 65 years and over (%, 5yr)	5.4	6.9
Female persons (%, 5yr)	52.1	51.8
INCOME AND POVERTY		
Median household income (\$, 5yr)	43,750.0	34,426.0
Per capita income in past 12 months (\$, 5yr)	13,002.0	12,263.0
Persons in poverty (%, 5yr)	33.2	30.3
Children age less than 18 in poverty (#, 5yr)	635.0	619.0
Children age less than 18 in poverty (%, 5yr)	44.0	43.3
RACE AND ETHNICITY	34.6	68.3
White alone (%, 5yr) African American alone (%, 5yr)	34.0	1.2
American Indian or Alaska Native alone (%, 5yr)	0.8	0.0
Asian alone (%, 5yr)	0.0	0.0
Native Hawaiian and Other Pacific Islander alone (%, 5yr)	0.0	0.0
Two or More Races (%, 5yr)	14.7	0.5
Hispanic or Latino (%, 5yr)	95.0	97.1
White alone, not Hispanic or Latino (%, 5yr)	0.3	1.7
HOUSING	0.0	•••
Housing units (#, 5yr)	850.0	1,043.0
Owner-occupied housing units (%, 5yr)	37.4	36.6
Median value of owner-occupied housing units (\$, 5yr)	220,000.0	164,900.0
Median selected monthly owner costs-with a mortgage (\$, 5yr)	1,165.0	1,070.0
Median selected monthly owner costs-without a mortgage (\$, 5yr)	-666,666,666.0	
Median gross rent (\$, 5yr)	971.0	675.0
FAMILIES AND LIVING ARRANGEMENTS		
Households (#, 5yr)	812.0	987.0
Persons per household (#, 5yr)	4.6	4.1
Living in same house 1 year ago, % of persons age 1+ (5yr)	92.3	90.0
EDUCATION		
High school graduate or higher, % of persons age 25+ (5yr)	45.9	36.4
Bachelor's degree or higher, % of persons age 25+ (5yr)	2.7	2.6
HEALTH		
With a disability, under age 65 years (#, 5yr)	94.0	138.0
Persons without health insurance, under age 65 years (%, 5yr)	8.0	11.4
LABOR FORCE	50.5	50.0
In civilian labor force, persons age 16+ (%, 5yr)	52.5	58.2
In civilian labor force, women age 16+ (%, 5yr)	34.0 41.1	42.8 49.5
Employed, persons age 16+ (%, 5yr) Self employed (%, 5yr)	2.2	1.5
TRANSPORTATION	2.2	1.5
Mean travel time to work, workers age 16+ (Mins., 5yr)	21.6	23.6
Drive alone in private vehicle (%, 5yr)	74.2	73.5
Using public transportation (%, 5yr)	0.0	0.0
Worked from home (%, 5yr)	6.5	2.4

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)

	2023		% Chan	ige							
Region	Population	1 Year	3 Year	5 Year							
City											
San Joaquin	3,608	-0.72	-12.79	-14.10							
	County and Br	oader Reg	gions								
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

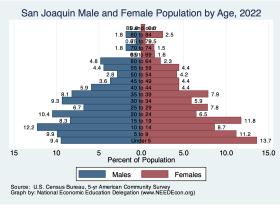
(Thousands, January to January) % Change 2022 Local South Central Valley California City 2023 Fresno County 1,009.8 1,011.50.17 0.01-0.35Fresno 542.8 543.40.11Clovis 123.5 124.50.80 Sanger 26.3 26.2-0.23Reedley 24.9 25.41.75 Selma 24.424.3-0.22Coalinga 17.317.2-0.52Kerman 16.617.0 2.11 Parlier 14.514.4 -0.4812.9 Kinasbura 12.4 3.48 Mendota 12.512.5 -0.10Orange Cove 9.59.5-0.71Firebaugh 0.89 Fowler 6.9 7.2 3.34 Huron 6.2 6.1 -0.71San Joaquin 3.6 3.6 -0.72

Source: CA DOF; Calculations by National Economic Education Delegation

Figure 1: Population Growth (1) 10 Percent Change from 2010 0 -10 10.0 -20 -30 -40 1990 2000 2020 2030 Year, through 2023 San Joaquin (-10.0%)
California (4.6%) Fresno County (8.8%) Source: CA, Department of Finance Graph by: National Economic Education Delegation (www.NEEDEcon.org)

Figure 2: Population Growth (2) (Over 1, 5 and 32 years, through 2023) Annual Growth Rate (%), to 2023 2.0-1.5 1.0 0.5 0.0 -0.5 -0 29 -1.0 -1.5· -2.0 -2.5 -3.0 32 Years 1 Year 5 Years San Joaquin Fresno County California Source: U.S. Bureau of Economic Analysis Graph by: National Economic Education Delegation (www.NEEDEcon.org)

Figure 3: Population by Age - Detailed Age Categories



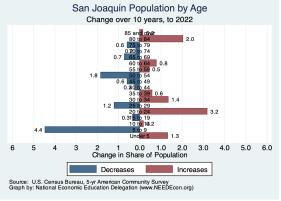
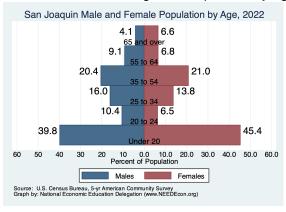
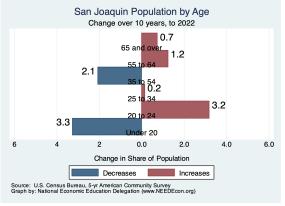


Figure 4: Population by Age - Broad Age Categories



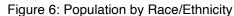


Male and Female Educational Attainment, 2022 Male and Female Educational Attainment, 2022 San Joaquin San Joaquin 0 0 Doctorate<sup>0</sup>degree fessional school degree Master's degree Bachelor's degree 0 0 (0%) Advanced Degree 3 lelor's degree 3 (3%) Bach 13 (17%) Some degree 23 30 (26%) High 61 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 Percent of Population 25 Years and Older 20 10 0 10 20 Percent of Population 25 Years and Older 40 30 30

Males Females

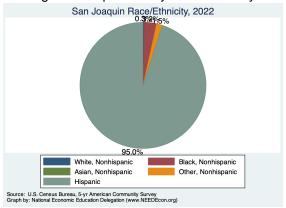
Source: U.S. Census Bureau, 5-yr American Community Survey The number in parenthesis is the share of the total population.

Figure 5: Population by Educational Attainment

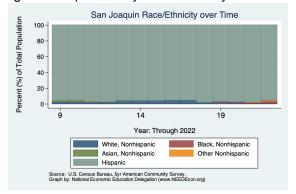


Males

Source: U.S. Census Bureau, 5-yr American Community Survey







# **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?

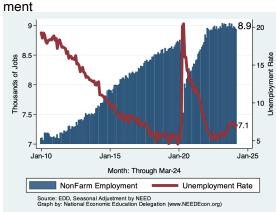
Employment growth is a fundamental indicator of the health of an economy.

Table 3. San Joaquin Summary for March, 2024

	Change From:								
Category	Current Value	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 Unemploy- Figure 9: Employment and Unemployment - Last



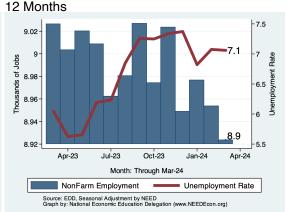
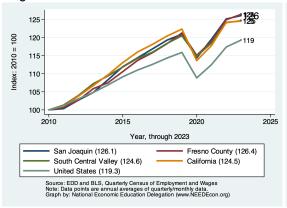
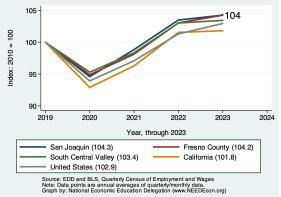


Figure 10: Relative Employment Growth Across Figure 11: Relative Employment Growth Across Regions - since 2010 Regions - since 2019





# 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 Fresno County. The following table provides the latest data for the County.

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

		Empl % Growth - Annua							
Industry	<b>Employment</b>	Share	Growth	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 San Joaquin**

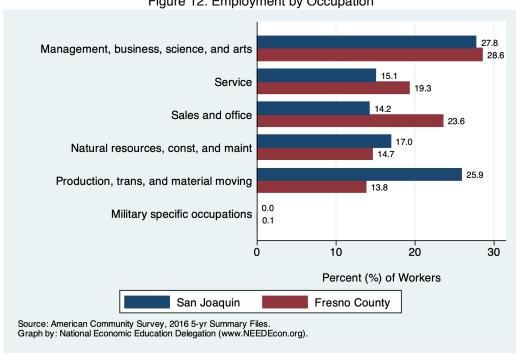
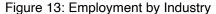
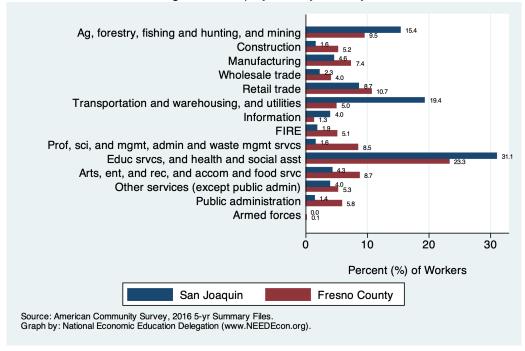


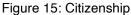
Figure 12: Employment by Occupation

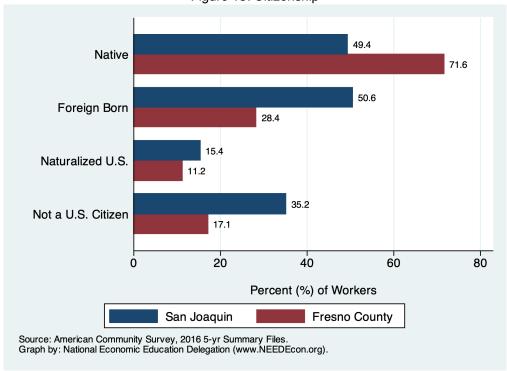




Speak only English 55.6 Speak Spanish (SS) 34.6 29.5 SS - English very well 18.0 SS - English less than very well Speak other languages (SOL) 9.9 SOL - English very well SOL - English less than very well 20 40 60 Percent (%) of Workers San Joaquin Fresno County Source: American Community Survey, 2016 5-yr Summary Files. Graph by: National Economic Education Delegation (www.NEEDEcon.org).

Figure 14: Language Spoken at Home





#### **Employed Residents of San Joaquin**

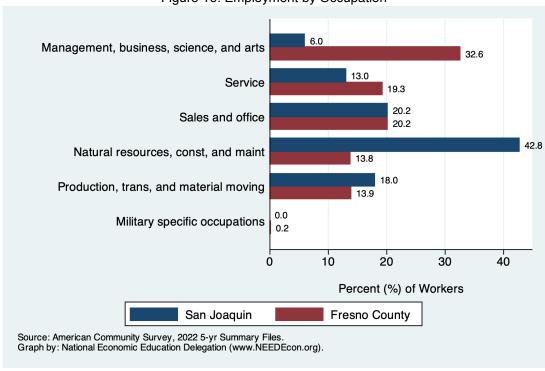
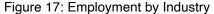


Figure 16: Employment by Occupation



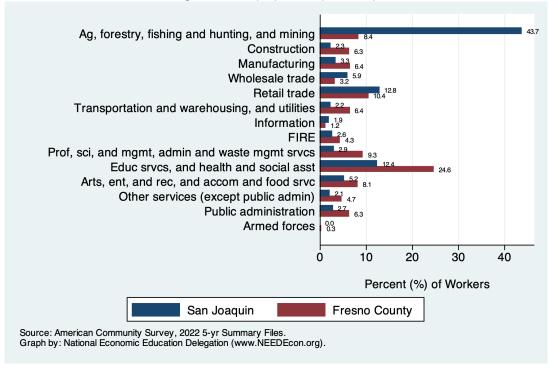
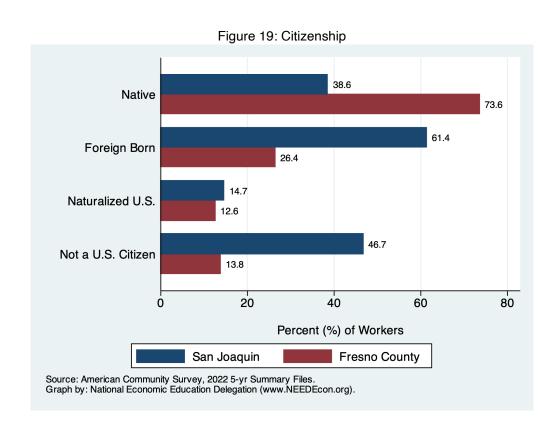


Figure 18: Language Spoken at Home Speak only English 54.1 84.9 Speak Spanish (SS) 34.8 30.2 SS - English very well 54.7 SS - English less than very well Speak other languages (SOL) SOL - English very well SOL - English less than very well 20 40 60 80 Percent (%) of Workers San Joaquin Fresno County Source: American Community Survey, 2022 5-yr Summary Files. Graph by: National Economic Education Delegation (www.NEEDEcon.org).



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#### **Employed Residents vs Workers in San Joaquin**

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 San Joaquin. 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.

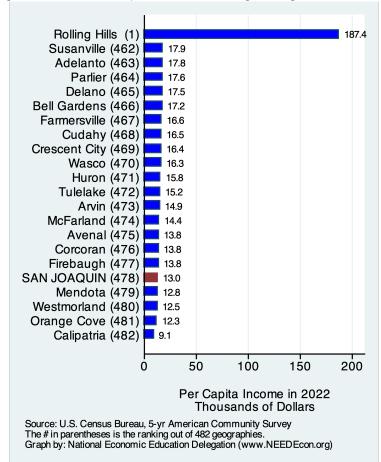
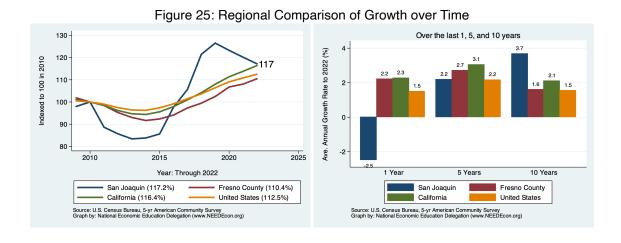
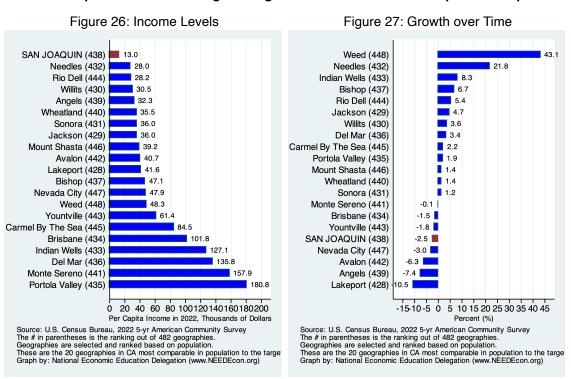


Figure 24: Real Per Capita Income Ranking Among California Cities



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



#### Real Per Capita Income Ranking Among Cities in Fresno County

Figure 28: Income Levels

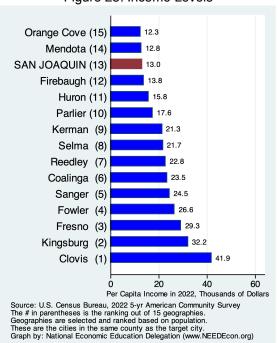
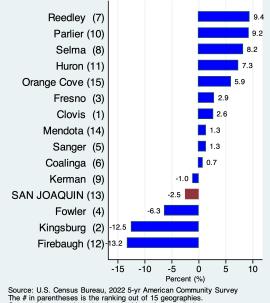
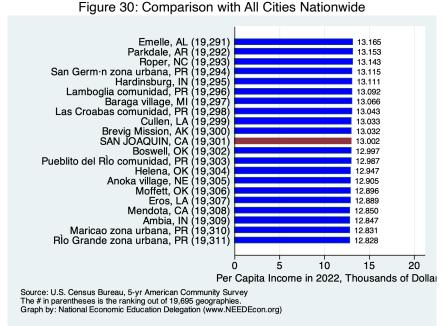


Figure 29: Growth over Time



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)



# Poverty and Inequality

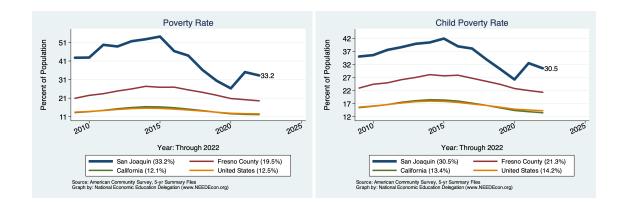
#### **Definition:**

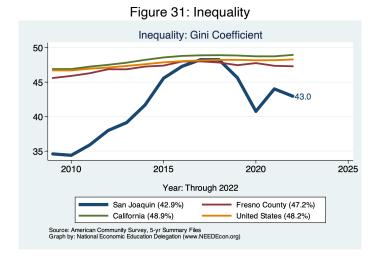
The local poverty rate provides an indication of the well-being of those at the bottom of the income distribution. The federal poverty rate measures the proportion of households in the region that are classified as living in poverty. Also included are measures of the extent to which the City's children 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?

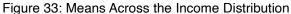
It is important to track measures of poverty and inequality to assess the extent of income disparities in the region, with an eye toward understanding how well the local economy is performing for all of its citizens.

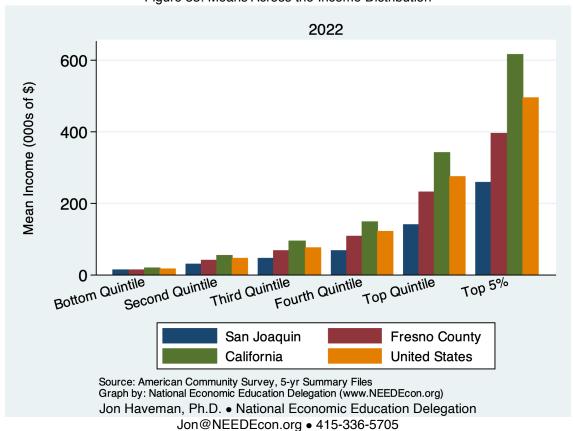




2022 50 Percent of All Income 40 30 20 10 0 Second Quintile Third Quintile Bottom Quintile Fourth Quintile Top Quintile Top 5% San Joaquin Fresno County **United States** California Source: American Community Survey, 5-yr Summary Files Graph by: National Economic Education Delegation (www.NEEDEcon.org)

Figure 32: Shares 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 San Joaquin and Broader Regions

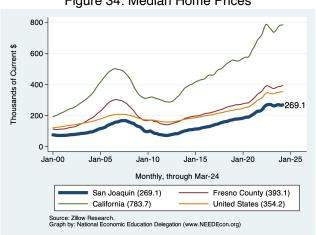


Figure 34: Median Home Prices

Figure 35: Median Rents



#### Housing Ownership in San Joaquin and Broader Regions

Figure 36: Home Ownership Rates

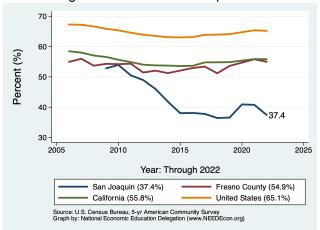


Figure 37: Home Ownership by Age

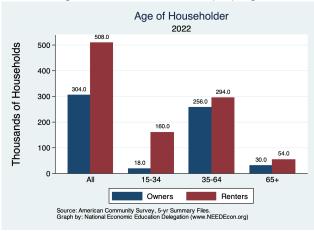


Figure 38: Income by Tenure

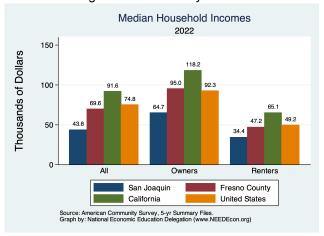


Figure 39: Income Distribution by Tenure

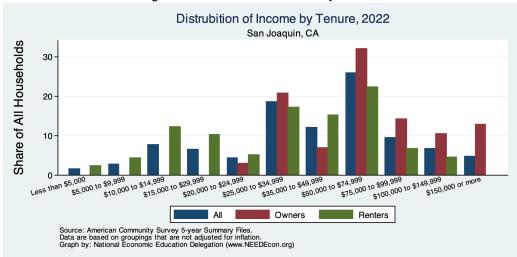


Figure 40: Income Distribution of Home Owners

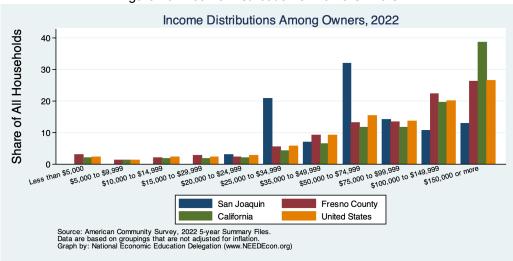
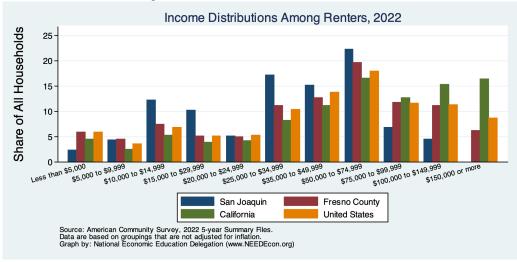


Figure 41: Income Distribution of Renters



## Housing Burden in San Joaquin and Broader Regions

Figure 42: Home Owners w/ A Mortgage

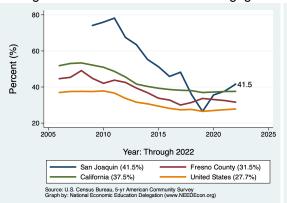


Figure 43: Home Owners w/o A Mortgage

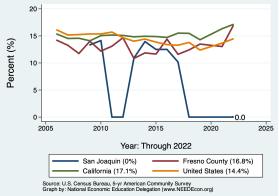


Figure 44: Renters

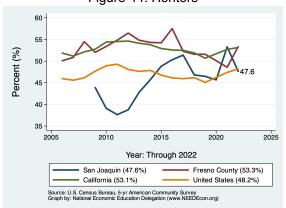
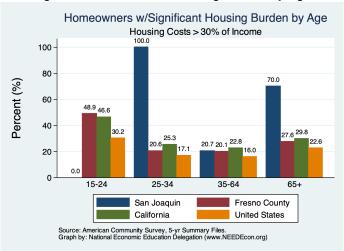


Figure 45: Homeowner Housing Burden by Age



# 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

				% Change from					
Indicator	2023	2019	2010	2019	2010				
Total Population	3,608.0	4,144.0	4,001.0	-12.9	-9.8				
Total # of Homes	937.0	932.0	934.0	0.5	0.3				
# Occupied Units	899.0	899.0	882.0	0.0	1.9				
Persons per Household	4.0	4.6	4.5	-12.9	-11.5				
Vacancy Rate (%)	4.1	3.5	5.6	14.5	-27.2				

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

Figure 46: Housing Growth

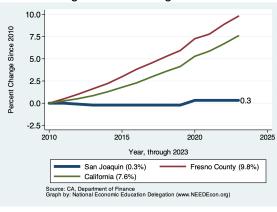


Figure 47: Persons per Household

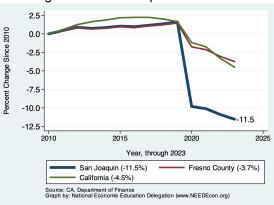


Figure 48: Vacancy Rates

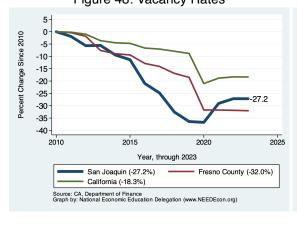
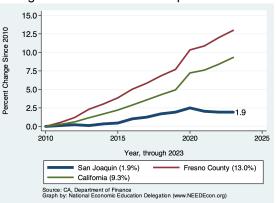


Figure 49: Number of Occupanied Units



## Trends in the Growth of Housing by Housing Type

Figure 50: Single Detached Homes

10.0 - 00

San Joaquin (2.6%)

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

California (9.3%)

Fresno County (7.4%)

Figure 51: Single Attached Homes

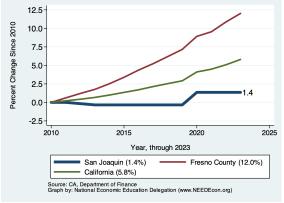
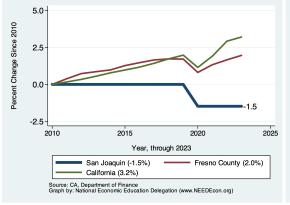
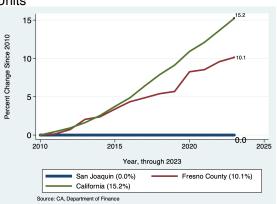


Figure 52: Housing in Buildings with Two to Four Figure 53: Housing in Buildings with Five or More Units





# Vintage of Residential Housing

#### Why is it important?

This section provides evidence on the year in which residential housing in San Joaquin 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.

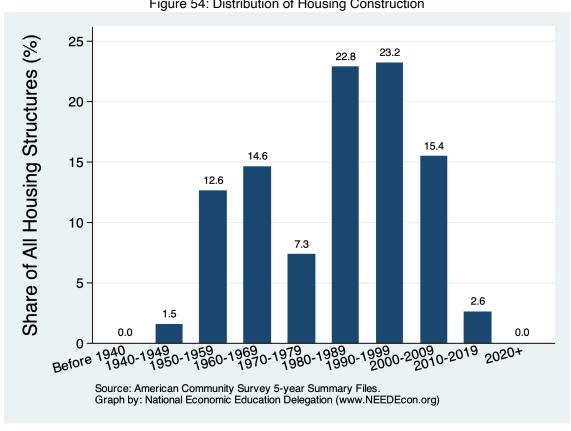


Figure 54: Distribution of Housing Construction

Figure 55: Housing Vintage across Regions

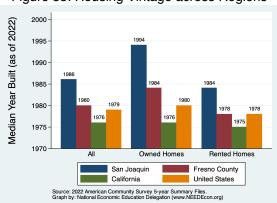


Figure 56: Housing Vintage by Tenure

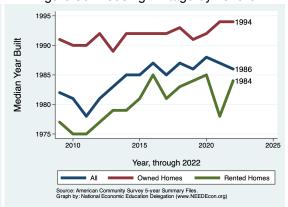


Figure 57: Vintage of Owned Residences

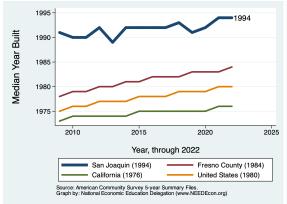


Figure 58: Vintage of Rented Residences

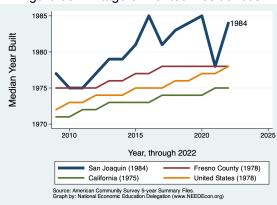
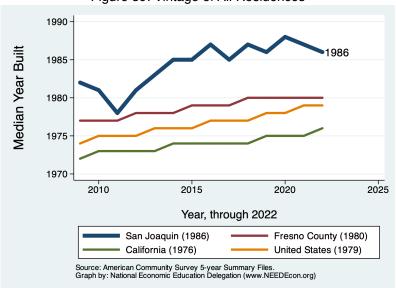


Figure 59: Vintage of All Residences



# 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.

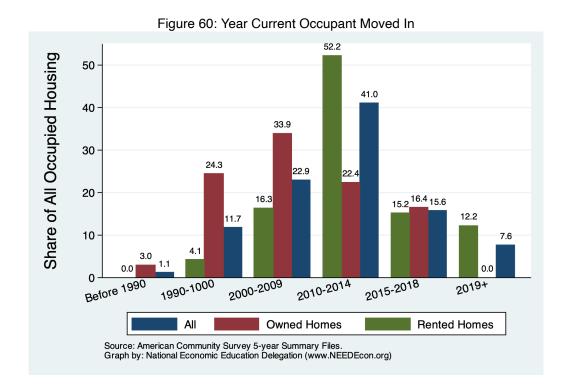


Figure 61: Year Occupied by Current Residents Figure 62: Year Occupied by Current Residents across Regions by Tenure

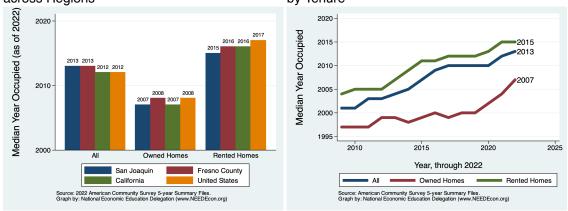


Figure 63: Year Occupied by Current Residents Figure 64: Year Occupied by Current Residents for Owned Housing for Rented Housing

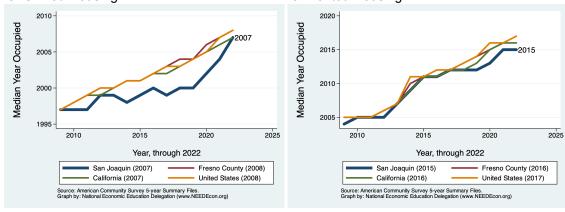


Figure 65: Year Occupied by Current Residents for All Housing 2015 Median Year Occupied 2013 2010 2005 2000 2015 2020 2010 2025 Year, through 2022 Fresno County (2013) San Joaquin (2013) United States (2012) California (2012) Source: American Community Survey 5-year Summary Files. Graph by: National Economic Education Delegation (www.NEEDEcon.org)

# Residential Permitting

#### **Definition:**

This indicator provides evidence on the number of residential buildings that are permitted for construction each year. Permit data for San Joaquin 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.

### San Joaquin - Ranking Among Comparables

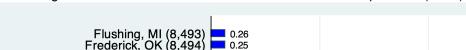
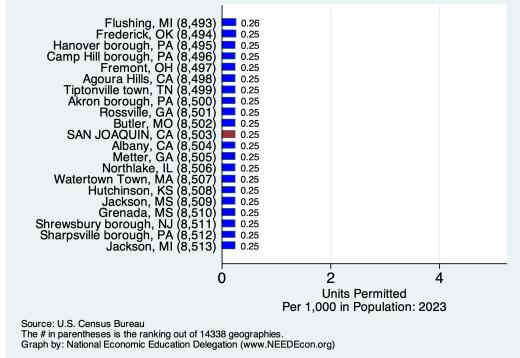


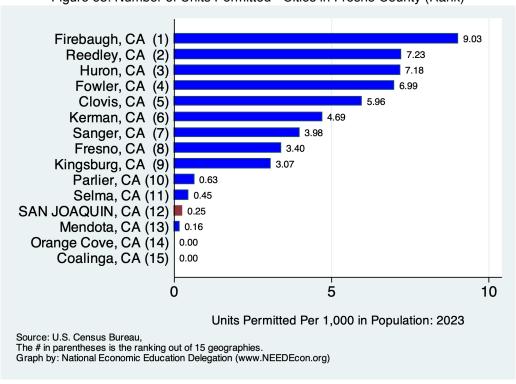
Figure 66: Number of Units Permitted - Nationwide Comparables (Rank)



Paradise town, CA Rialto, CA (4 Grass Valley, CA (4 Millbrae, CA (4 Pacifica, CA (4 86.39 0.32 0.31 0.31 0.29 South El Monte, CA 0.28 Port Hueneme, 0.28 Avalon, 0.27 Ceres, 0.27 Agoura Hills, SAN JOAQUIN, 0.25 0.25 Albany, 0.25 Foster City, C 0.24 Cypress, C Montclair, C 0.22 0.22 Brisbane, CA aiian Gardens, CA Walnut Creek, CA 0.22 Hawaiian Gardens, 0.22 0.21 Calabasas, CA (433 Sonora, CA (434 0.21 0.21 Belvedere, CA (515) 0.00 20 80 90 0 10 30 40 50 60 70 **Units Permitted** Per 1,000 in Population: 2023 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 67: Number of Units Permitted - California Comparables (Rank)





#### San Joaquin - Permitting Activity

#### Annual Units Permitted - Per Capita in San Joaquin

Figure 69: Units Permitted Each Year

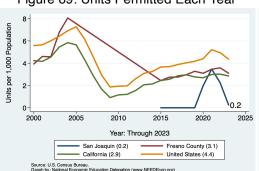
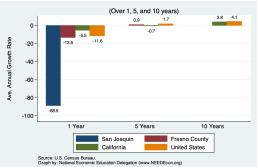


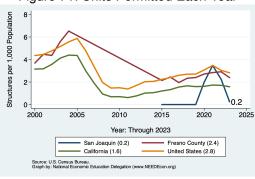
Figure 70: Average Annual Growth in Units Permitted

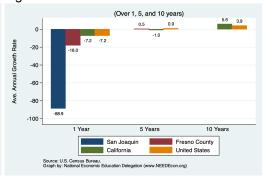


## Annual Number of Buildings Permitted - Per Capita in San Joaquin

Figure 72: Average Annual Growth in Buildings Permitted

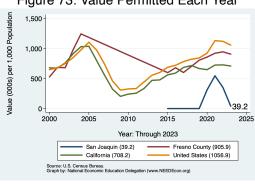
Figure 71: Units Permitted Each Year





#### Annual Value of Property Permitted - Per Capita in San Joaquin

Figure 73: Value Permitted Each Year



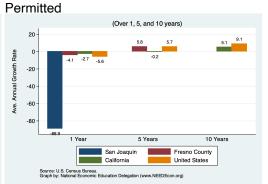


Figure 74: Average Annual Growth in Value

# **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 Figure 76: Percent of Workers Commuting by Car Alone Carpool

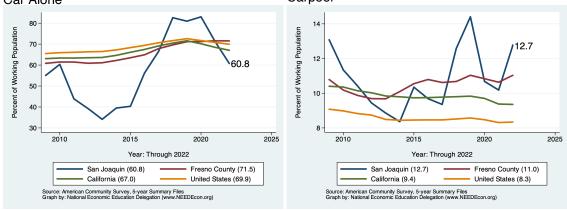
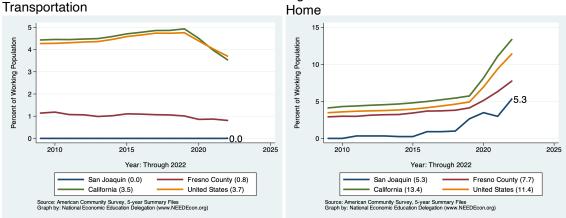


Figure 77: Percent of Workers using Public Figure 78: Percent of Workers Who Work From



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

	N	lale	Fe	male	All W	orkers	All of CA
Mode of Transit	#	(%)	#	(%)	#	(%)	(%)
Car, Truck, or Van:	623	79.1	265	55.6	888	73.5	78.0
Drove Alone	497	63.1	237	49.7	734	60.8	68.4
Carpooled:	126	16.0	28	5.9	154	12.7	9.5
In 2-person carpool	51	6.5	9	1.9	60	5.0	6.9
In 3-person carpool	0	0.0	0	0.0	0	0.0	1.5
In 4-or-more-person carpool	75	9.5	19	4.0	94	7.8	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	9	1.1	0	0.0	9	0.7	2.4
Taxicab, Motorcycle, or other	0	0.0	0	0.0	0	0.0	1.7
Worked at Home	18	2.3	46	9.6	64	5.3	13.6
Total:	650	82.5	311	65.2	961	79.6	

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

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

	Male		Fei	nale	All Workers		All of CA	
Mode of Transit	#	(%)	#	(%)	#	(%)	(%)	
Car, Truck, or Van:	389	66.0	278	77.4	667	70.4	84.1	
Drove Alone	300	50.9	269	74.9	569	60.0	73.5	
Carpooled:	89	15.1	9	2.5	98	10.3	10.6	
In 2-person carpool	72	12.2	0	0.0	72	7.6	7.9	
In 3-person carpool	0	0.0	0	0.0	0	0.0	1.6	
In 4-or-more-person carpool	17	2.9	9	2.5	26	2.7	1.1	
Public Transportation (excl Taxi):	0	0.0	0	0.0	0	0.0	5.2	
Bus or Trolley Bus	0	0.0	0	0.0	0	0.0	3.5	
Streetcar or Trolley Car	0	0.0	0	0.0	0	0.0	0.1	
Subway or Elevated	0	0.0	0	0.0	0	0.0	1.1	
Railroad	0	0.0	0	0.0	0	0.0	0.4	
Ferryboat	0	0.0	0	0.0	0	0.0	0.1	
Bicycle	0	0.0	0	0.0	0	0.0	1.1	
Walked	0	0.0	24	6.7	24	2.5	2.7	
Taxicab, Motorcycle, or other	0	0.0	0	0.0	0	0.0	1.4	
Worked at Home	11	1.9	0	0.0	11	1.2	5.4	
Total:	400	67.9	302	84.1	702	74.1		

Source: 2016 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 0	CEV	OΕ	WODE	/EDC	DΥ	TRAVEL	TIME	TΛ	WOD	v
iable 8.	SEX	UF	WUR	(ERO	Dī	INAVEL	I IIVI 🗆	ıu	WUR	n

	Male		Fer	Female		orkers	All of CA
Mode of Transit	#	(%)	#	(%)	#	(%)	(%)
Less than 5 minutes	17	2.2	11	2.4	28	2.4	2.0
5 to 9 minutes	113	14.9	20	4.3	133	11.3	7.5
10 to 14 minutes	108	14.3	0	0.0	108	9.2	12.2
15 to 19 minutes	48	6.3	31	6.7	79	6.7	15.0
20 to 24 minutes	97	12.8	71	15.3	168	14.3	14.3
25 to 29 minutes	10	1.3	46	9.9	56	4.8	6.3
30 to 34 minutes	121	16.0	44	9.5	165	14.0	15.0
35 to 39 minutes	26	3.4	0	0.0	26	2.2	2.9
40 to 44 minutes	0	0.0	0	0.0	0	0.0	4.3
45 to 59 minutes	34	4.5	24	5.2	58	4.9	8.6
60 to 89 minutes	58	7.7	18	3.9	76	6.5	7.9
90 or more minutes	0	0.0	0	0.0	0	0.0	4.0
Total:	632	83.5	265	57.0	897	76.3	

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

Figure 79: Percent of Employed Population With Figure 80: Percent of Employed Population With Commutes of More than 30 Minutes

Commutes of More than 90 Minutes

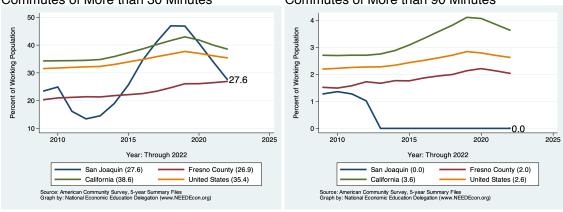
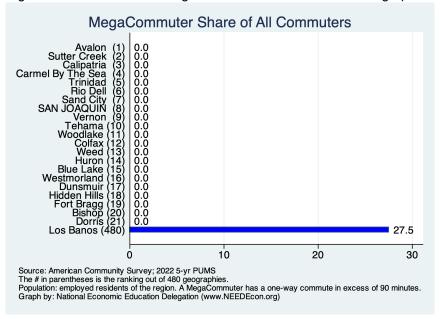


Figure 81: Rank: Share of MegaCommuters Across Similar Geographies



# Commute Times for Those Employed in the City

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

WORK EACE GEOGRAFITI											
	M	ale	Fei	Female		orkers	All of CA				
Mode of Transit	#	(%)	#	(%)	#	(%)	(%)				
Less than 5 minutes	0	0.0	36	10.0	36	3.8	1.9				
5 to 9 minutes	19	3.2	27	7.5	46	4.9	8.0				
10 to 14 minutes	24	4.1	91	25.3	115	12.1	12.9				
15 to 19 minutes	43	7.3	36	10.0	79	8.3	15.1				
20 to 24 minutes	61	10.4	37	10.3	98	10.3	14.5				
25 to 29 minutes	0	0.0	9	2.5	9	0.9	5.9				
30 to 34 minutes	66	11.2	46	12.8	112	11.8	15.0				
35 to 39 minutes	0	0.0	0	0.0	0	0.0	2.6				
40 to 44 minutes	72	12.2	0	0.0	72	7.6	4.2				
45 to 59 minutes	94	16.0	20	5.6	114	12.0	8.5				
60 to 89 minutes	10	1.7	0	0.0	10	1.1	7.7				
90 or more minutes	0	0.0	0	0.0	0	0.0	3.6				
Total:	389	66.0	302	84.1	691	72.9					

Source: 2016 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 Figure 83: Percent of Local Employees With Commutes of More than 30 Minutes

Commutes of More than 90 Minutes

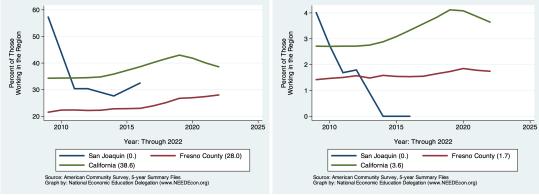
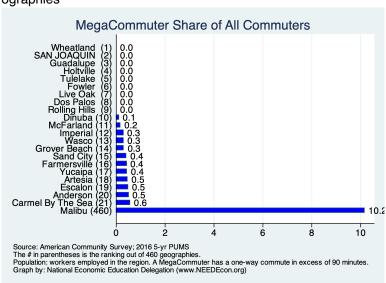


Figure 84: Rank: Share of MegaCommuters Across Similar Geographies



### Place of Work

This section provides evidence on where workers living in San Joaquin work. As evidenced in the first table, some of San Joaquin'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 San Joaquin 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:	650	82.5	311	65.2	961	79.6	99.6
Worked in county of residence	572	72.6	272	57.0	844	69.9	84.1
worked outside of county of residence	78	9.9	39	8.2	117	9.7	15.4
Worked outside state of residence	0	0.0	0	0.0	0	0.0	0.4
Total:	650	82.5	311	65.2	961	79.6	

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

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

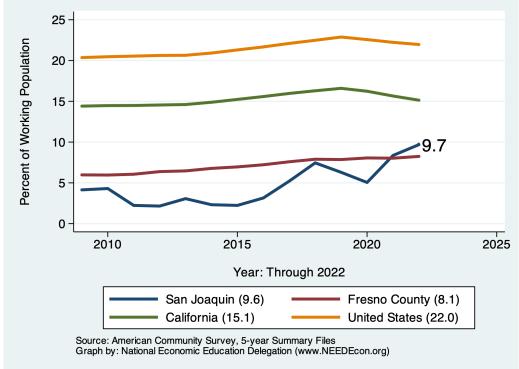
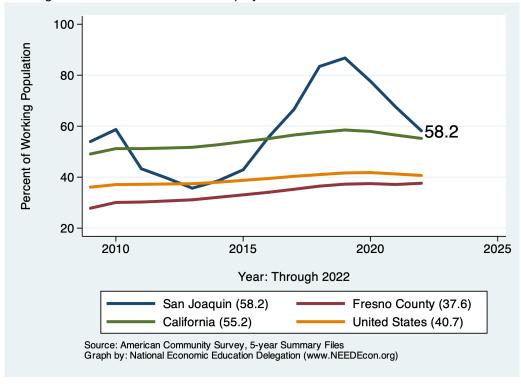


Table 11. SEX OF WORKERS BY PLACE OF WORK-PLACE LEVEL

	M	lale	Fei	male	All W	orkers	All of CA
Place of Work	#	(%)	#	(%)	#	(%)	(%)
Living in a place:	650	82.5	311	65.2	961	79.6	95.9
Worked in place of residence	193	24.5	65	13.6	258	21.4	39.5
Worked outside place of residence	457	58.0	246	51.6	703	58.2	56.4
Not living in a place	0	0.0	0	0.0	0	0.0	4.1
Total:	650	82.5	311	65.2	961	79.6	

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	28, 393	48, 566	102.1	46, 171	101.5		
Car, truck, or van - carpooled	28,583	36,463	136.8	34,487	136.8		
Public transportation (excluding taxicab)		40,179		45,100			
Walked		29,366		27,142			
Taxicab, motorcycle, bicycle, or other means		40,433		36,140			
Worked from home		75, 153		67,180			
Total:	27,926	48,747	57.3	46,099	60.6		

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.

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

	< \$2	5,000	\$25,00	0-\$74,999	\$75	,000+		All	All of CA
Mode of Transit	#	(%)	#	(%)	#	(%)	#	(%)	(%)
Car, Truck, or Van: Drove Alone	283	45.4	231	75.0	36	76.6	734	60.8	68.4
Car, Truck, or Van: Carpooled	50	8.0	49	15.9	11	23.4	154	12.7	9.5
Public Transportation (excl Taxi)	0	0.0	0	0.0	0	0.0	0	0.0	3.6
Walked	9	1.4	0	0.0	0	0.0	9	0.7	2.4
Taxicab, Motorcycle, or other	0	0.0	0	0.0	0	0.0	0	0.0	2.4
Worked at Home	38	6.1	0	0.0	0	0.0	64	5.3	13.6
Total:	380	61.0	280	90.9	47		961	79.6	100.0

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

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

	< \$2	25,000	\$25,00	0-\$74,999	\$75	+000	,	ΔII	All of CA
Mode of Transit	#	(%)	#	(%)	#	(%)	#	(%)	(%)
Car, Truck, or Van: Drove Alone	300	55.0	113	36.5	76		569	60.0	73.5
Car, Truck, or Van: Carpooled	98	18.0	0	0.0	0	0.0	98	10.3	10.6
Public Transportation (excl Taxi)	0	0.0	0	0.0	0	0.0	0	0.0	5.2
Walked	24	4.4	0	0.0	0	0.0	24	2.5	2.7
Taxicab, Motorcycle, or other	0	0.0	0	0.0	0	0.0	0	0.0	2.5
Worked at Home	0	0.0	11	3.5	0	0.0	11	1.2	5.4
Total:	422	77.4	124	40.0	76		702	74.1	100.0

Source: 2016 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.

<sup>2)</sup> For regions with more than one geography, the medians are averages weighted by working population.

# Commute Mode by Poverty Status

Table 15. MODE OF TRANSPORTATION TO WORK BY POVERTY STATUS

	In P	overty	100-14	19% of Pov	>150%	6 of Pov		All	All of CA
Mode of Transit	#	(%)	#	(%)	#	(%)	#	(%)	(%)
Car, Truck, or Van: Drove Alone	120	64.2	121	45.0	493	61.3	734	60.8	68.7
Car, Truck, or Van: Carpooled	28	15.0	31	11.5	95	11.8	154	12.7	9.5
Public Transportation (excl Taxi)	0	0.0	0	0.0	0	0.0	0	0.0	3.6
Walked	9	4.8	0	0.0	0	0.0	9	0.7	2.1
Taxicab, Motorcycle, or other	0	0.0	0	0.0	0	0.0	0	0.0	2.4
Worked at Home	0	0.0	20	7.4	44	5.5	64	5.3	13.6
Total:	157	84.0	172	63.9	632	78.6	961	79.6	

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

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

In P	overty	100-14	9% of Pov	>150%	6 of Pov		All	All of CA
#	(%)	#	(%)	#	(%)	#	(%)	(%)
72	52.2	148	62.2	349	54.4	569	60.0	73.9
7	5.1	72	30.3	19	3.0	98	10.3	10.6
0	0.0	0	0.0	0	0.0	0	0.0	5.2
11	8.0	0	0.0	13	2.0	24	2.5	2.4
0	0.0	0	0.0	0	0.0	0	0.0	2.5
0	0.0	0	0.0	11	1.7	11	1.2	5.4
90	65.2	220	92.4	392	61.2	702	74.1	100.0
	72 7 0 11 0 0	72 52.2 7 5.1 0 0.0 11 8.0 0 0.0 0 0.0	# (%) #  72 52.2 148  7 5.1 72  0 0.0 0  11 8.0 0  0 0.0 0  0 0.0 0	#         (%)         #         (%)           72         52.2         148         62.2           7         5.1         72         30.3           0         0.0         0         0.0           11         8.0         0         0.0           0         0.0         0         0.0           0         0.0         0         0.0           0         0.0         0         0.0	#         (%)         #         (%)         #           72         52.2         148         62.2         349           7         5.1         72         30.3         19           0         0.0         0         0.0         0           11         8.0         0         0.0         13           0         0.0         0         0.0         0           0         0.0         0         0.0         11	#         (%)         #         (%)         #         (%)           72         52.2         148         62.2         349         54.4           7         5.1         72         30.3         19         3.0           0         0.0         0         0         0         0.0           11         8.0         0         0.0         13         2.0           0         0.0         0         0         0         0.0           0         0.0         0         0         11         1.7	#         (%)         #         (%)         #         (%)         #           72         52.2         148         62.2         349         54.4         569           7         5.1         72         30.3         19         3.0         98           0         0.0         0         0         0         0         0           11         8.0         0         0.0         13         2.0         24           0         0.0         0         0         0         0         0           0         0.0         0         11         1.7         11	#         (%)         #         (%)         #         (%)         #         (%)           72         52.2         148         62.2         349         54.4         569         60.0           7         5.1         72         30.3         19         3.0         98         10.3           0         0.0         0         0.0         0         0.0         0         0.0           11         8.0         0         0.0         13         2.0         24         2.5           0         0.0         0         0.0         0         0.0         0         0.0           0         0.0         0         11         1.7         11         1.2

Source: 2016 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 San Joaquin is a net recipient (migration inflows) or donor (migration outflows) of population is very im-

portant 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

		Ne	et Inflows			
			Sam	e State		•
			W/in	Between	Across	From
Category	Population	All Migration	County	Counties	States	Abroad
No income	701	44	50	-26	0	20
With income	1,811	9	39	-41	11	0
\$1 to \$9,999 or loss	302	-8	-19	0	11	0
\$10,000 to \$14,999	296	0	0	0	0	0
\$15,000 to \$24,999	453	-24	0	-24	0	0
\$25,000 to \$34,999	375	42	42	0	0	0
\$35,000 to \$49,999	227	13	16	-3	0	0
\$50,000 to \$64,999	93	0	0	0	0	0
\$65,000 to \$74,999	9	0	0	0	0	0
\$75,000 or more	56	-14	0	-14	0	0
All:	2,512	53	89	-67	11	20

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

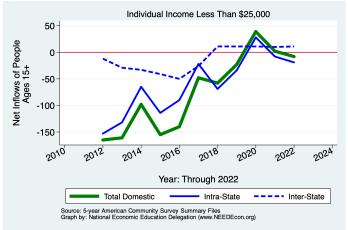


Figure 89: Overall Movements of Middle Income Residents

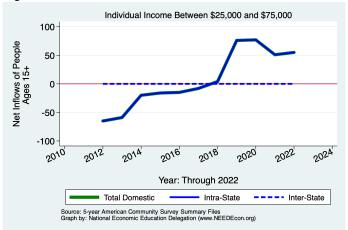
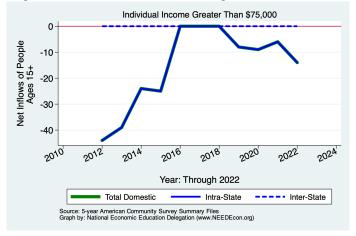


Figure 90: Overall Movements of High Income Residents



# **Demographics of Migration Flows**

**Table 18: Migration by Marital Status** 

	Net Inflows						
			Sam	e State		-	
			W/in	Between	Across	From	
Category	Population	All Migration	County	Counties	States	Abroad	
Never married	975	-22	16	-49	11	0	
Now married, except separated	1,367	79	73	-14	0	20	
Divorced	79	0	0	0	0	0	
Separated	30	-4	0	-4	0	0	
Widowed	61	0	0	0	0	0	
Total:	2,512	53	89	-67	11	20	

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

**Table 19: Migration by Tenure** 

		Ne				
			Sam	e State		
			W/in	Between	Across	From
Category	Population	All Migration	County	Counties	States	Abroad
Householder lived in owner-occupied housing units	1,503	121	108	-24	0	37
Householder lived in renter-occupied housing units	2,146	2	-19	0	21	0
Total:	3,649	123	89	-24	21	37

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

Figure 91: Domestic Movements of Residents by Tenure

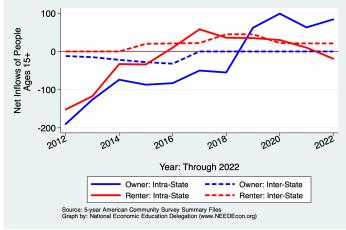


Table 20: Migration by Age

			Sam	e State		•
			W/in	Between	Across	From
Category	Population	All Migration	County	Counties	States	Abroad
1 to 4 years	357	17	0	0	0	17
5 to 17 years	1,011	28	18	0	10	0
18 and 19 years	147	17	17	0	0	0
20 to 24 years	312	1	-19	0	0	20
25 to 29 years	272	-28	21	-49	0	0
30 to 34 years	281	32	21	0	11	0
35 to 39 years	298	0	0	0	0	0
40 to 44 years	191	0	0	0	0	0
45 to 49 years	151	0	0	0	0	0
50 to 54 years	132	-4	0	-4	0	0
55 to 59 years	164	31	31	0	0	0
60 to 64 years	130	0	0	0	0	0
65 to 69 years	31	0	0	0	0	0
70 to 74 years	62	0	0	0	0	0
75 years and over	110	-14	0	-14	0	0
Total Population:	3,649	80	89	-67	21	37

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

**Table 21: Migration by Educational Attainment** 

		Ne				
			Sam	e State		•
Category	Population	All Migration	W/in County	Between Counties	Across States	From Abroad
Less than high school graduate	985	49	52	-3	0	0
High school graduate (includes equiv)	480	-1	21	-22	0	0
Some college or assoc. degree	308	-31	0	-42	11	0
Bachelor's degree	49	0	0	0	0	0
Graduate or professional degree	0	0	0	0	0	0
Total:	1,822	17	73	-67	11	0

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	21, 298	21, 298
Total Population:	21, 326	20,630

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 Moved Within Same County	$24.7 \\ 35.0$	24.7 82.6
Total Population:	25.0	25.4

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/

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