Carlsbad, California

Indicators Report

by The National Economic Education Delegation (NEED)

April 20, 2024

Exploring the economics, demographics, and well-being of Carlsbad 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 Carlsbad (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 Carlsbad. These indicators are compared to San Diego 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 Carlsbad 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 Carlsbad 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 Carlsbad, 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 Carlsbad, but do not necessarily live in Carlsbad.
- **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 house-hold compositon.

Why is it important?

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

A Demographic Snapshot

Statistic	2022	2019
POPULATION		
Population Estimate (#, 5yr)	114,745.0	114,253.0
Veterans (#, 5yr)	6,481.0	6,274.0
Foreign born persons (%, 5yr)	15.5	14.4
Population age 25+ (#, 5yr)	81,198.0	80,508.0
AGE AND SEX		
Persons under 5 years (%, 5yr)	4.1	5.6
Persons under 18 years (%, 5yr)	22.8	23.1
Persons 65 years and over (%, 5yr)	17.8	17.3
Female persons (%, 5yr)	50.1	51.6
NCOME AND POVERTY		
Median household income (\$, 5yr)	134,139.0	110,478.0
Per capita income in past 12 months (\$, 5yr)	66,944.0	58,440.0
Persons in poverty (%, 5yr)	6.9	5.8
Children age less than 18 in poverty (#, 5yr)	1,681.0	1,727.0
Children age less than 18 in poverty (%, 5yr)	6.5	6.0
Vhite alone (%, 5yr)	74.2	84.9
African American alone (%, 5yr)	1.2	0.
American Indian or Alaska Native alone (%, 5yr)	0.5	0.1
Asian alone (%, 5yr)	9.7	8.0
Native Hawaiian and Other Pacific Islander alone (%, 5yr)	0.1	0.1
wo or More Races (%, 5yr)	11.0	4.: 13.:
Hispanic or Latino (%, 5yr)	16.6	
White alone, not Hispanic or Latino (%, 5yr)	67.2	73.3
IOUSING	47 556 0	17 OOE (
Housing units (#, 5yr) Dwner-occupied housing units (%, 5yr)	47,556.0 62.2	47,885.0 64.1
Aedian value of owner-occupied housing units (\$, 5yr)	1,070,500.0	
Aedian selected monthly owner costs-with a mortgage (\$, 5yr)	3,628.0	3,286.0
Aedian selected monthly owner costs-with a mongage (\$, 5yr)		3,200.0 757.0
Aedian gross rent (\$, 5yr)	2,477.0	2,025.0
FAMILIES AND LIVING ARRANGEMENTS	2,477.0	2,025.0
Households (#, 5yr)	43,912.0	43,531.0
Persons per household (#, 5yr)	2.6	-10,001.0
iving in same house 1 year ago, % of persons age 1+ (5yr)	85.2	86.0
EDUCATION	00.2	50.0
ligh school graduate or higher, % of persons age 25+ (5yr)	95.1	95.2
Bachelor's degree or higher, % of persons age 25+ (5yr)	59.5	59.
IEALTH		
Vith a disability, under age 65 years (#, 5yr)	5,519.0	4,739.0
Persons without health insurance, under age 65 years (%, 5yr)	4.9	4.6
ABOR FORCE		
n civilian labor force, persons age 16+ (%, 5yr)	65.2	65.0
n civilian labor force, women age 16+ (%, 5yr)	57.9	57.3
Employed, persons age 16+ (%, 5yr)	58.2	59.2
Self employed (%, 5yr)	15.0	14.3
RANSPORTATION		
lean travel time to work, workers age 16+ (Mins., 5yr)	22.2	25.0
Drive alone in private vehicle (%, 5yr)	68.6	77.3
Jsing public transportation (%, 5yr)	1.6	2.3
Norked from home (%, 5yr)	25.7	14.3

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.

	2023		% Char	nge					
Region	Population	1 Year	3 Year	5 Year					
City									
Carlsbad	114, 549	-0.28	-0.10	-0.47					
	County and B	roader R	egions						
an Diego County	3,269,755	-0.17	-1.85	-1.90					
Southern California	21,794,548	-0.41	-2.24	-2.84					
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	
City	2022	2023	Local	Southern California	California
San Diego County	3,275.4	3,269.8	-0.17	-0.41	-0.35
San Diego	1,372.8	1,368.4	-0.32		
Chula Vista	274.1	274.8	0.26		
Oceanside	171.8	171.1	-0.41		
Escondido	150.1	149.8	-0.17		
Carlsbad	114.9	114.5	-0.28		
El Cajon	105.3	104.6	-0.61		
Vista	100.0	99.8	-0.14		
San Marcos	93.8	94.5	0.75		
Encinitas	61.3	61.1	-0.32		
National City	61.3	61.0	-0.54		
La Mesa	60.2	60.4	0.30		
Santee	58.7	59.2	0.88		
Poway	48.5	48.5	-0.04		
Lemon Grove	27.1	27.4	1.22		
Imperial Beach	26.0	25.9	-0.43		
Coronado	22.0	22.1	0.65		
Solana Beach	12.8	12.8	0.05		
Del Mar	3.9	3.9	0.00		

Source: CA DOF; Calculations by National Economic Education Delegation

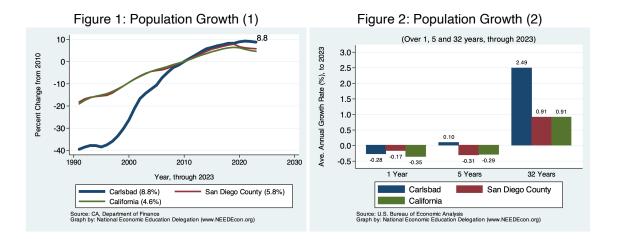
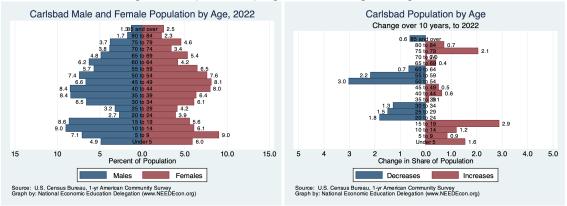
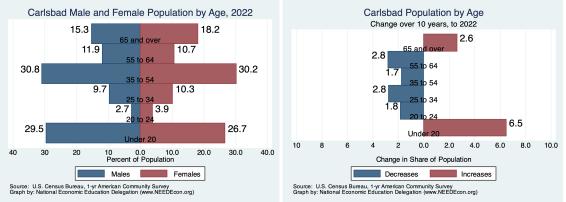
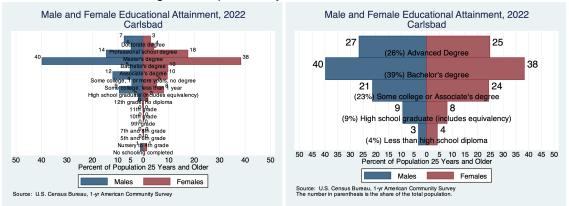


Figure 3: Population by Age - Detailed Age Categories











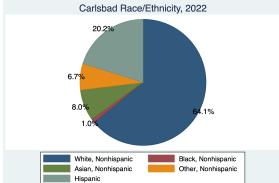
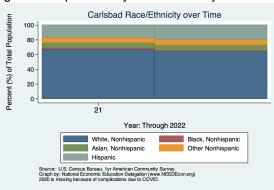


Figure 6: Population by Race/Ethnicity

Figure 7: Population by Race/Ethnicity Over Time

Source: U.S. Census Bureau, 1-yr American Community Survey Graph by: National Economic Education Delegation (www.NEEDEcon.org)



Employment Report

Citywide Employment and Unemployment

Definition:

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

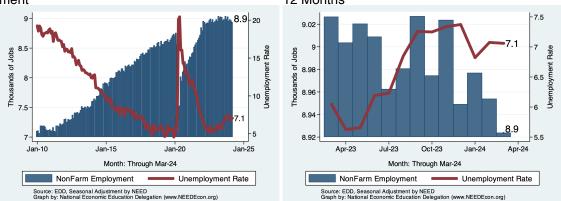
Why is it important?

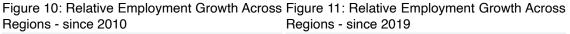
Employment growth is a fundamental indicator of the health of an economy.

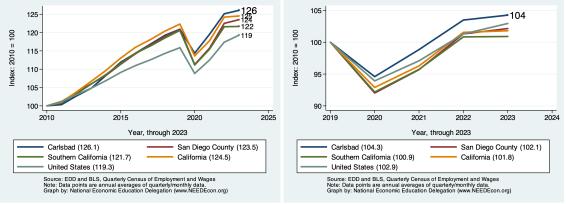
Table 3. Carlsbad Summary for March, 2024 Change From:									
Category	Current Value	Last Month	2 Months Ago	Last Year					
Employment	8,924	-30	-53	-103					
Labor Force	9,644	9	15	96					
Number Unemployed	678	-4	21	97					
Unemployment Rate	7.0	-0.0	0.2	0.9					

Source: EDD, National Economic Education Delegation

Figure 8: Historical Employment and Unemploy- Figure 9: Employment and Unemployment - Last ment 12 Months







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 San Diego County. The following table provides the latest data for the County.

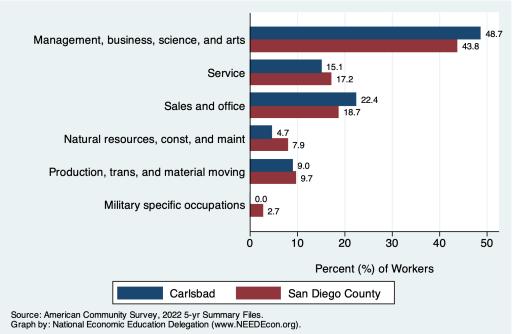
			Empl		% Gro	wth - Ar	nualize	d Rate	
Industry	Employment	Share	Growth	Month	Qtr	6mo	1yr	3yr	5yr
Total Nonfarm	1,562,672	100.0	1,044.9	0.8	0.9	1.2	0.9	3.8	0.9
Total Private	1,307,241	83.7	578.9	0.5	0.5	1.1	0.6	3.9	1.0
Goods Producing	204,267	13.1	1,175.9	7.2	-2.9	-1.1	-0.1	1.3	0.7
Mining, Logging and Construction	91,648	5.9	1,376.4	19.9	0.5	1.4	3.2	3.5	1.9
Mining and Logging	400	0.0	0.0	0.0	0.0	0.0	33.3	11.1	6.7
Construction	91,237	5.8	1,280.2	18.5	0.4	1.5	3.0	3.5	1.8
Manufacturing	112,600	7.2	-248.4	-2.6	-5.1	-3.3	-2.7	-0.4	-0.3
Durable Goods	82,107	5.3	-140.2	-2.0	-5.7	-3.7	-2.6	-0.9	-0.7
Non-Durable Goods	30,572	2.0	-20.8	-0.8	-3.1	-1.5	-2.9	1.1	1.1
Service Providing	1,358,608	86.9	598.0	0.5	1.7	1.5	1.1	4.2	0.9
Trade, Trans & Utilities	222,862	14.3	734.9	4.0	-0.3	-0.1	-0.1	1.1	-0.1
Wholesale Trade	42,238	2.7	45.1	1.3	-4.8	-3.8	-3.1	0.7	-0.9
Retail Trade	139,705	8.9	392.1	3.4	0.8	0.9	0.6	0.4	-0.9
Trans & Warehousing	34,755	2.2	140.0	5.0	-0.2	-1.6	0.1	3.6	3.9
Utilities	6,113	0.4	26.9	5.4	0.7	3.3	5.2	8.2	6.6
Information	21,190	1.4	186.3	11.2	-1.9	-4.6	-4.5	-0.6	-2.0
Financial Activities	71,664	4.6	-13.6	-0.2	-1.4	-0.7	-2.6	-1.7	-1.1
Finance & Insurance	41,316	2.6	8.0	0.2	-2.8	-2.4	-4.4	-3.9	-2.0
Real Estate & Rental & Leasing	30,356	1.9	47.6	1.9	2.1	1.9	-0.1	2.2	0.4
Professional & Business Srvcs	269,563	17.3	-1,232.7	-5.3	-2.3	-1.9	-3.8	1.3	1.3
Prof, Sci, & Tech	153,258	9.8	-819.0	-6.2	-3.9	-2.7	-4.2	1.3	1.3
Admin & Support Srvcs	90,260	5.8	-413.4	-5.3	0.3	0.7	-3.4	2.7	2.4
Employment Srvcs	35,707	2.3	44.4	1.5	1.7	-2.6	-8.4	1.8	4.9
Educational & Health Srvcs	253,835	16.2	1,047.7	5.1	7.1	6.0	6.5	6.1	3.6
Education Srvcs	30,035	1.9	69.4	2.8	1.5	5.1	5.2	6.5	0.2
Health Care & Social Assistance	223,627	14.3	936.5	5.2	8.0	5.9	6.7	6.1	4.2
Leisure & Hospitality	205, 387	13.1	-186.7	-1.1	0.3	2.6	2.8	14.9	0.4
Arts, Entertainment & Recreation	32,811	2.1	8.9	0.3	5.7	13.0	9.4	26.7	1.4
Accommodation & Food Srvcs	173,029	11.1	-278.3	-1.9	0.1	1.5	1.5	13.2	0.2
Other Srvcs	58,049	3.7	19.8	0.4	2.2	0.4	2.5	10.2	0.7
Government	255,691	16.4	522.3	2.5	3.6	2.8	2.5	3.2	0.4
Federal	47,317	3.0	136.1	3.5	2.2	2.4	-0.0	-0.4	-0.1
State	59,492	3.8	116.8	2.4	2.8	2.3	4.3	7.3	3.0
Local	149,100	9.5	276.0	2.2	5.6	3.3	2.6	3.0	-0.2
County	21,763	1.4	154.6	8.9	12.9	7.4	6.8	1.3	1.7
City	19,757	1.3	75.0	4.7	0.2	2.3	1.6	1.6	0.6
Local Government Education	79,213	5.1	144.5	2.2	2.1	0.9	1.8	4.6	-0.4

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

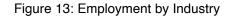
Source: EDD, National Economic Education Delegation (NEED)

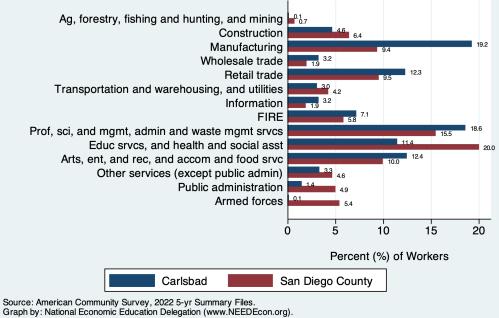
Some Employee Detail

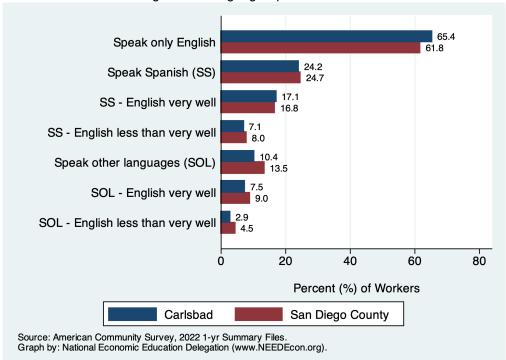
Employed in Carlsbad













73.9 Native 74.1 26.1 Foreign Born 25.9 16.2 Naturalized U.S. 15.9 10.0 Not a U.S. Citizen 10.0 20 Ò 40 60 80 Percent (%) of Workers Carlsbad San Diego County Source: American Community Survey, 2022 1-yr Summary Files. Graph by: National Economic Education Delegation (www.NEEDEcon.org).

Figure 15: Citizenship

Employed Residents of Carlsbad

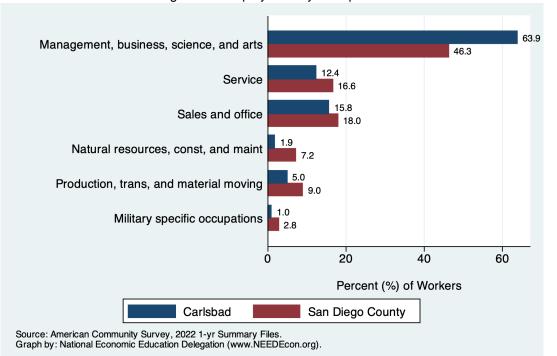
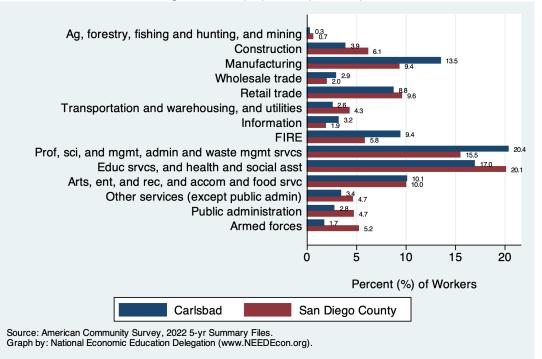
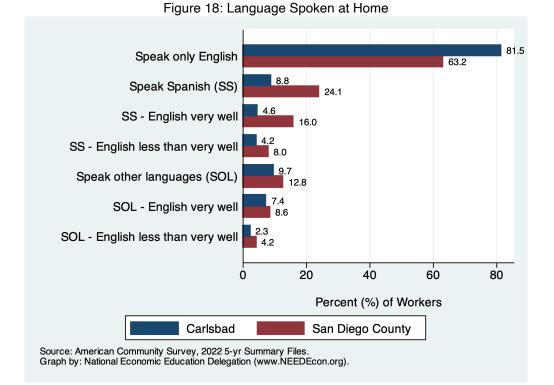


Figure 16: Employment by Occupation

Figure 17: Employment by Industry





81.1 Native 74.2 18.9 Foreign Born 25.8 10.0 Naturalized U.S. 15.8 8.9 Not a U.S. Citizen 10.1 20 40 Ò 60 80 Percent (%) of Workers Carlsbad San Diego County Source: American Community Survey, 2022 1-yr Summary Files. Graph by: National Economic Education Delegation (www.NEEDEcon.org).

Figure 19: Citizenship

Employed Residents vs Workers in Carlsbad

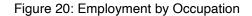
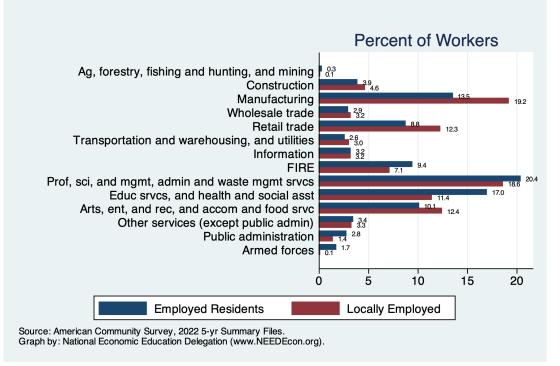
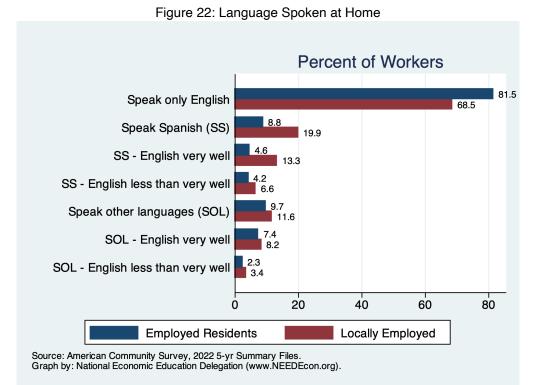




Figure 21: Employment by Industry





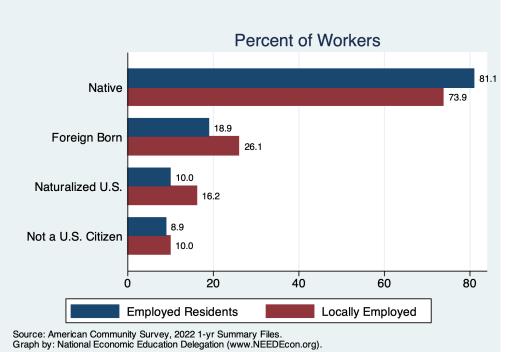


Figure 23: Citizenship

Income and Earnings

Per Capita Income Growth

Definition:

Per capita income is the average income per person in Carlsbad. 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.

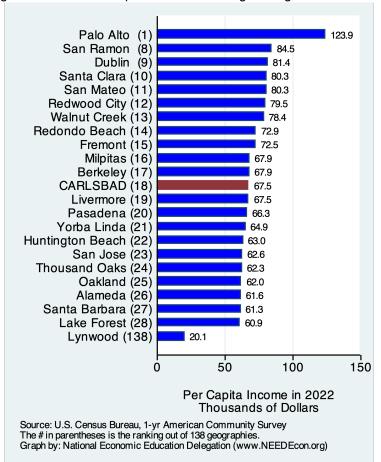


Figure 24: Real Per Capita Income Ranking Among California Cities

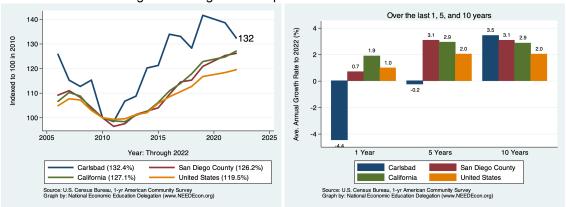
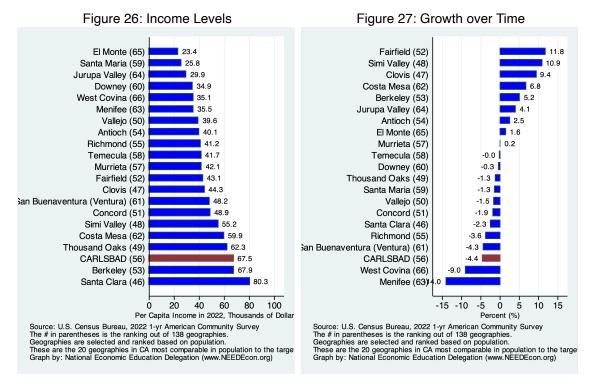
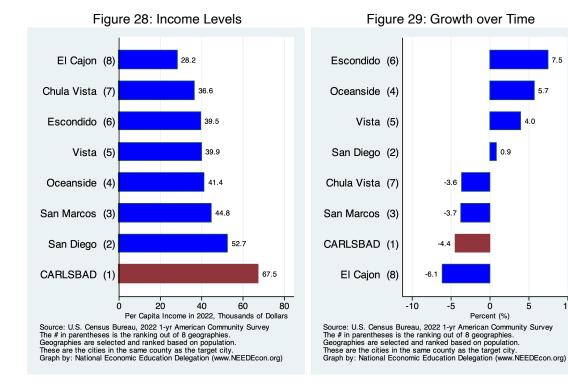


Figure 25: Regional Comparison of Growth over Time

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





Real Per Capita Income Ranking Among Cities in San Diego County

7.5

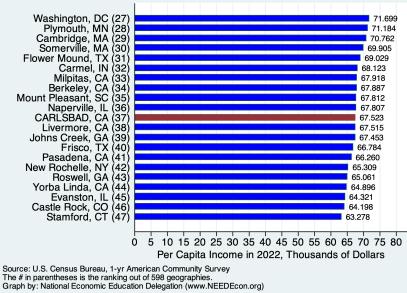
5.7

4.0

5

10

Figure 30: Comparison with All Cities Nationwide



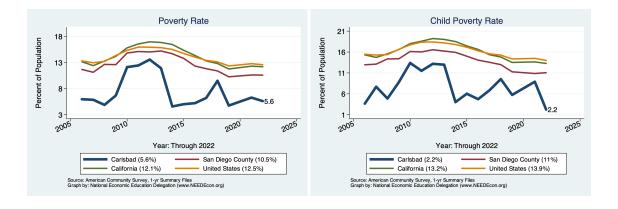
Poverty and Inequality

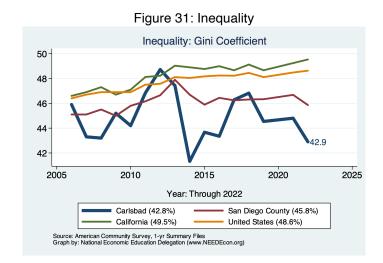
Definition:

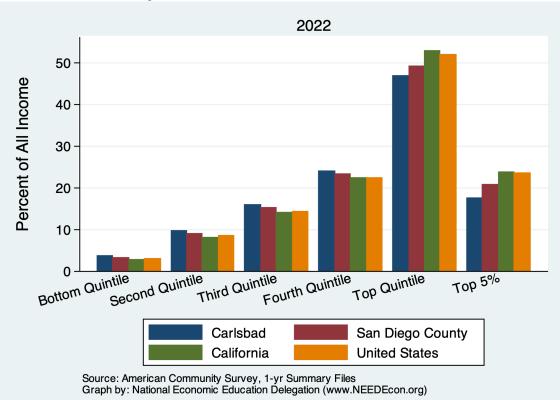
The local poverty rate provides an indication of the well-being of those at the bottom of the income distribution. The federal poverty rate measures the proportion of households in the region that are classified as living in poverty. Also included are measures of the extent to which the City's children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

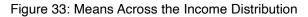
It is important to track measures of poverty and inequality to assess the extent of income disparities in the region, with an eye toward understanding how well the local economy is performing for all of its citizens.

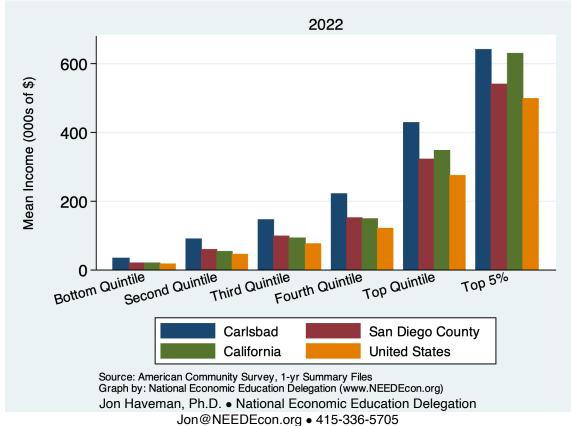












Housing

Housing Costs and Affordability

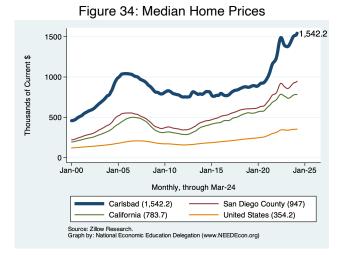
Definition:

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.

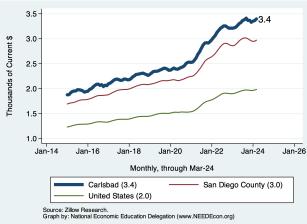
Why is it important?

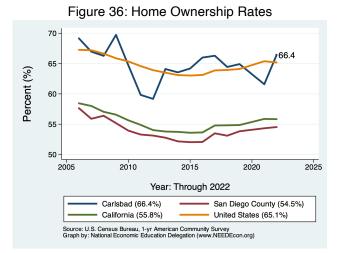
Housing is one of three fundamental necessities, along with food and clothing. A measure of the cost of housing is an integral part of the measurement of the cost of living in a specific community. This is particularly true in cities and regions throughout the Bay Area, where housing costs are high relative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

Cost of Housing in Carlsbad and Broader Regions

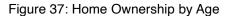


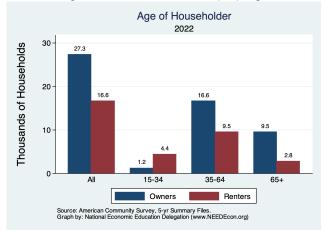


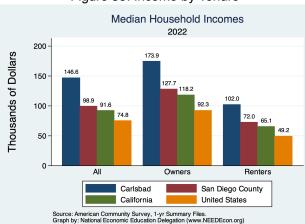




Housing Ownership in Carlsbad and Broader Regions

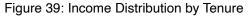


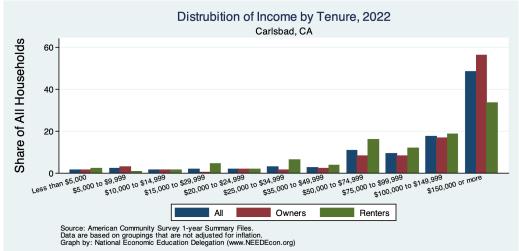




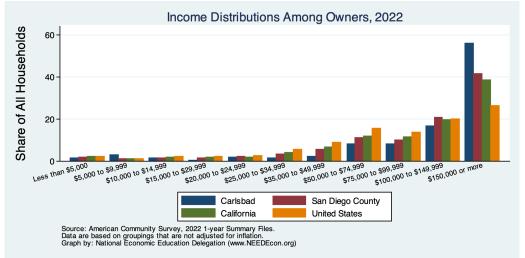
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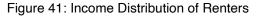
Figure 38: Income by Tenure

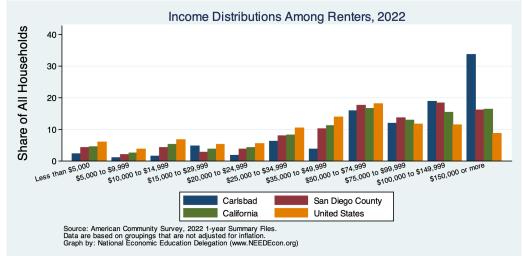


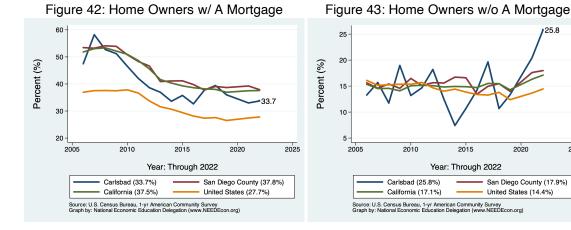










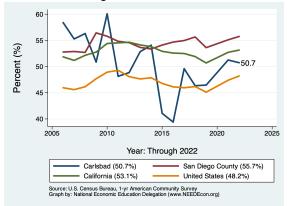


Housing Burden in Carlsbad and Broader Regions

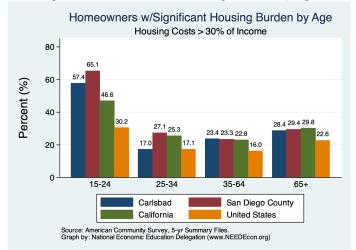
Figure 44: Renters

2025

2020







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.

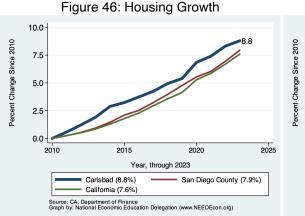
Table 5. Housing Market Indicators

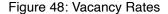
Why is it important?

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.

				% Cha	nge from
Indicator	2023	2019	2010	2019	2010
Total Population	114,549.0	113,635.0	105,328.0	0.8	8.8
Total # of Homes	48,601.0	47,080.0	44,673.0	3.2	8.8
# Occupied Units	45,542.0	43,838.0	41,345.0	3.9	10.2
Persons per Household	2.5	2.6	2.5	-3.0	-1.2
Vacancy Rate (%)	6.3	6.9	7.4	-8.6	-15.5

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





5-

0-

-5

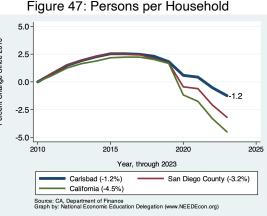
-10

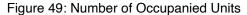
-15

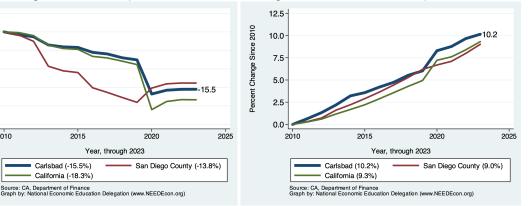
-20 -25

2010

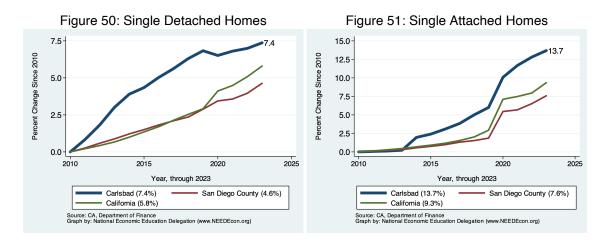
Percent Change Since 2010



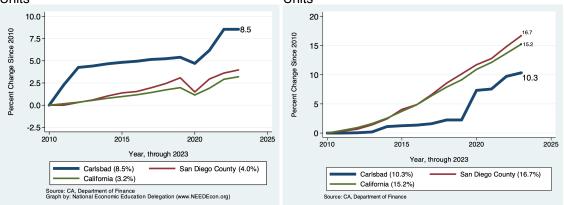












Vintage of Residential Housing

Why is it important?

This section provides evidence on the year in which residential housing in Carlsbad was built. We break it down into owned versus rented residences and provide a comparison across San Diego 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.

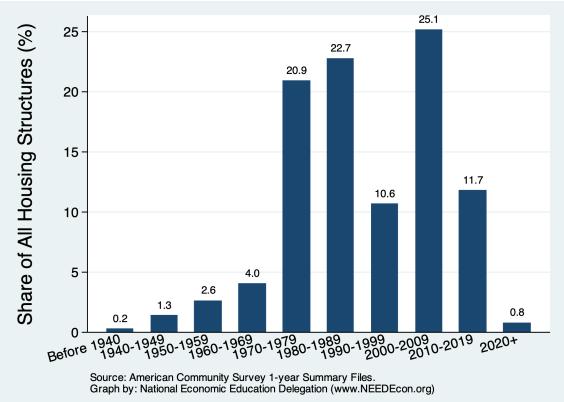


Figure 54: Distribution of Housing Construction

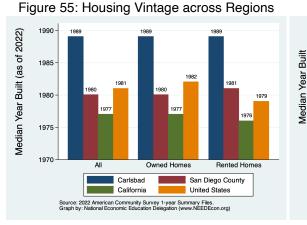
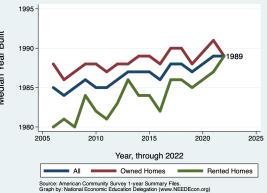


Figure 56: Housing Vintage by Tenure



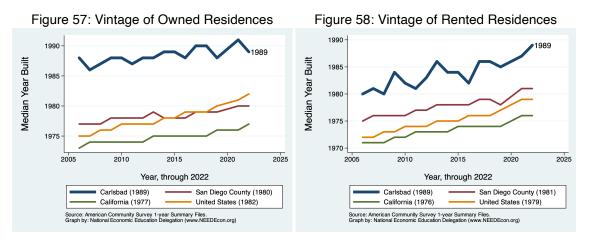
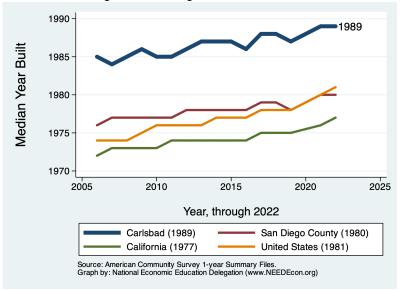


Figure 59: Vintage of All Residences



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.

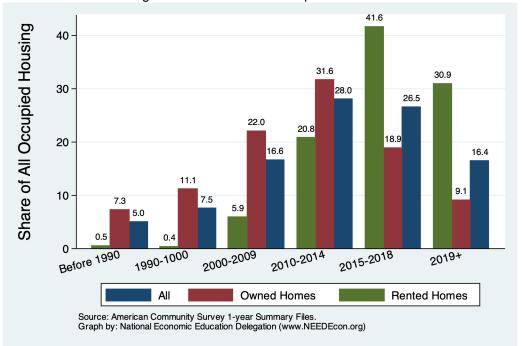


Figure 60: Year Current Occupant Moved In

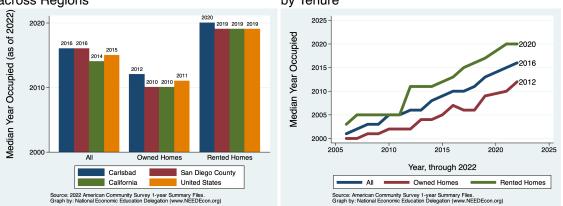


Figure 61: Year Occupied by Current Residents Figure 62: Year Occupied by Current Residents across Regions by Tenure

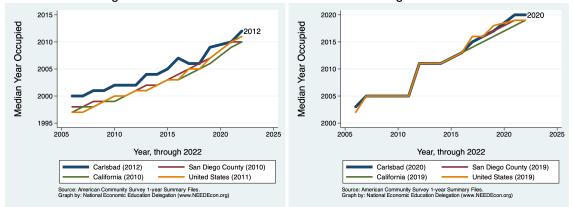


Figure 63: Year Occupied by Current Residents Figure 64: Year Occupied by Current Residents for Owned Housing for Rented Housing

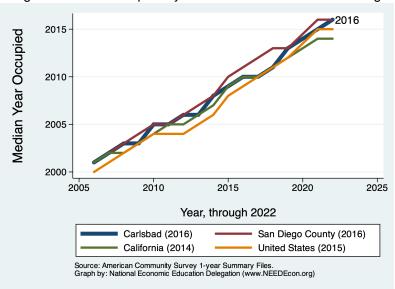


Figure 65: Year Occupied by Current Residents for All Housing

Residential Permitting

Definition:

This indicator provides evidence on the number of residential buildings that are permitted for construction each year. Permit data for Carlsbad is compared with data from San Diego 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.

Carlsbad - Ranking Among Comparables



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

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

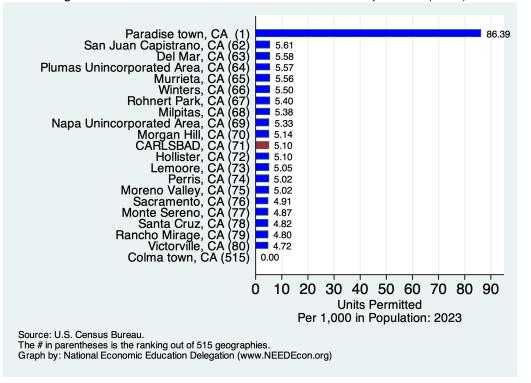


Figure 67: Number of Units Permitted - California Comparables (Rank)

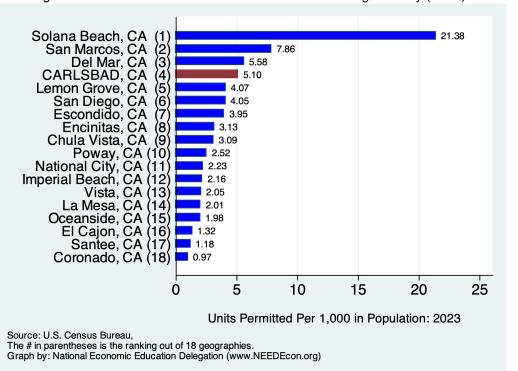


Figure 68: Number of Units Permitted - Cities in San Diego County (Rank)

Carlsbad - Permitting Activity

0

2000

2005

Source: U.S. Census Bureau. Graph by: National Economic Educa

Carlsbad (1031.9)

- California (708.2)

2010

2015

Year: Through 2023

2020

San Diego County (731.6)

United States (1056.9)

2025

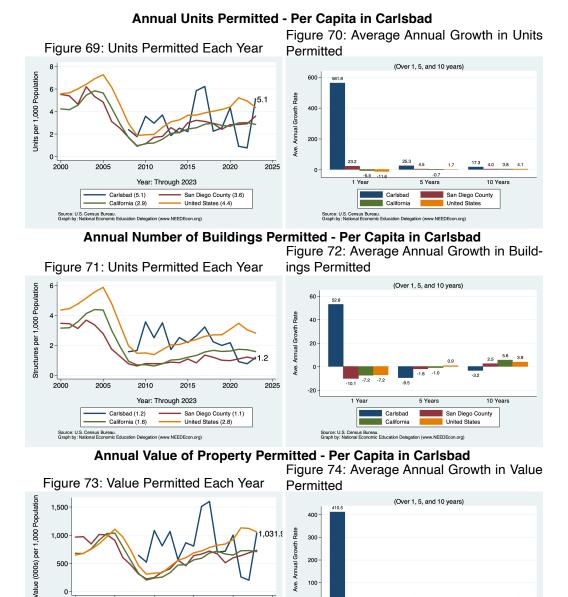
0

-2.7 1 Year

Carlsbad

California

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



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8.2 3.1 5.1

San Diego County

United States

10 Years

-0.2 5 Years

Commute Patterns

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

Mode of Transportation

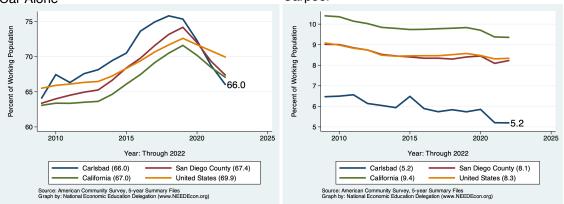
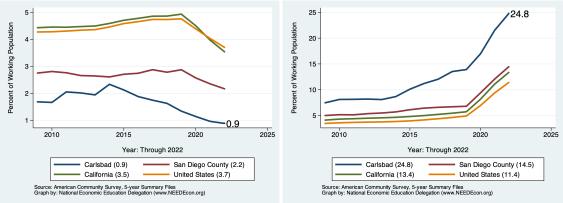


Figure 75: Percent of Workers Commuting by Figure 76: Percent of Workers Commuting by Carpool

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



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

	Male		Fem	ale	All Wo	All of CA	
Mode of Transit	#	(%)	#	(%)	#	(%)	(%)
Car, Truck, or Van:	22,058	71.7	17,440	69.1	39,498	71.2	78.0
Drove Alone	20,551	66.8	16,066	63.6	36,617	66.0	68.4
Carpooled:	1,507	4.9	1,374	5.4	2,881	5.2	9.5
In 2-person carpool	1,327	4.3	1,041	4.1	2,368	4.3	6.9
In 3-person carpool	107	0.3	130	0.5	237	0.4	1.5
In 4-or-more-person carpool	73	0.2	203	0.8	276	0.5	1.1
Public Transportation (excl Taxi):	389	1.3	102	0.4	491	0.9	3.6
Bus or Trolley Bus	151	0.5	50	0.2	201	0.4	2.3
Streetcar or Trolley Car	13	0.0	0	0.0	13	0.0	0.8
Subway or Elevated	212	0.7	52	0.2	264	0.5	0.3
Railroad	13	0.0	0	0.0	13	0.0	0.2
Ferryboat	0	0.0	0	0.0	0	0.0	0.1
Bicycle	186	0.6	48	0.2	234	0.4	0.7
Walked	513	1.7	186	0.7	699	1.3	2.4
Taxicab, Motorcycle, or other	448	1.5	225	0.9	673	1.2	1.7
Worked at Home	7,152	23.3	6,579	26.1	13,731	24.8	13.6
Total:	30,746	100.0	24,580	97.3	55,326	99.8	

Table 6. SEX OF WORKERS BY MODE OF TRANSPORTATION TO WORK	
TABLE 0. SEX OF WORKERS DT MODE OF THANSFORTATION TO WORK	

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

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

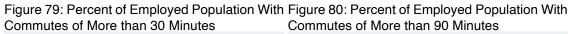
	Ма	le	Fen	nale	All W	All of CA	
Mode of Transit	#	(%)	#	(%)	#	(%)	(%)
Car, Truck, or Van:	33,939	68.9	28,401	74.2	62,340	74.7	75.3
Drove Alone	30,385	61.7	25,096	65.6	55,481	66.5	65.5
Carpooled:	3,554	7.2	3,305	8.6	6,859	8.2	9.8
In 2-person carpool	2,801	5.7	2,591	6.8	5,392	6.5	7.0
In 3-person carpool	469	1.0	494	1.3	963	1.2	1.7
In 4-or-more-person carpool	284	0.6	220	0.6	504	0.6	1.2
Public Transportation (excl Taxi):	188	0.4	0	0.0	188	0.2	2.6
Bus or Trolley Bus	188	0.4	0	0.0	188	0.2	1.8
Streetcar or Trolley Car	0	0.0	0	0.0	0	0.0	0.5
Subway or Elevated	0	0.0	0	0.0	0	0.0	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	453	0.9	236	0.6	689	0.8	0.7
Walked	247	0.5	334	0.9	581	0.7	2.4
Taxicab, Motorcycle, or other	723	1.5	392	1.0	1,115	1.3	1.7
Worked at Home	9,675	19.7	8,900	23.3	18,575	22.2	17.2
Total:	45,225	91.9	38,263	100.0	83,488	100.0	

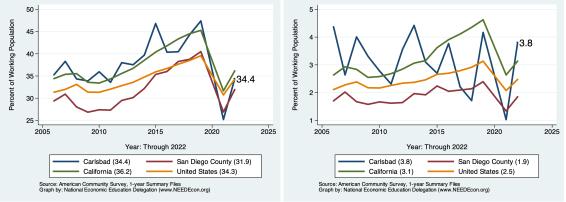
Source: 2022 1-year American Community Survey, Summary File The results in this table are for those who work in the region, regardless of the location of their residence.

Commute Times for Employed Residents

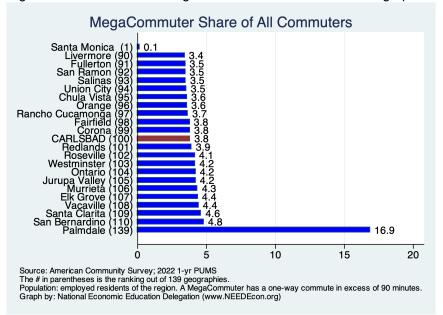
Table 8. SEX OF WORKERS BY TRAVEL TIME TO WORK											
	Mal	Male		ale	All Wo	All Workers					
Mode of Transit	#	(%)	#	(%)	#	(%)	(%)				
Less than 5 minutes	83	0.3	145	0.6	228	0.5	2.1				
5 to 9 minutes	802	2.9	803	3.4	1,605	3.2	7.8				
10 to 14 minutes	3,015	10.8	2,751	11.8	5,766	11.6	12.4				
15 to 19 minutes	3,816	13.7	2,404	10.3	6,220	12.5	15.4				
20 to 24 minutes	2,239	8.0	1,932	8.3	4,171	8.4	14.8				
25 to 29 minutes	692	2.5	534	2.3	1,226	2.5	6.4				
30 to 34 minutes	2,855	10.2	2,915	12.5	5,770	11.6	15.2				
35 to 39 minutes	53	0.2	315	1.4	368	0.7	2.9				
40 to 44 minutes	1,184	4.2	1,020	4.4	2,204	4.4	4.1				
45 to 59 minutes	2,749	9.8	1,591	6.8	4,340	8.7	8.2				
60 to 89 minutes	2,144	7.7	390	1.7	2,534	5.1	7.2				
90 or more minutes	1,348	4.8	544	2.3	1,892	3.8	3.6				
Total:	20,980	75.1	15,344	65.8	36,324	73.0					

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









Commute Times for Those Employed in the City

Table 9. SEX OF WORKERS BY TRAVEL TIME TO WORK FOR WORKPLACE GEOGRAPHY											
	Male		Fem	ale	All Wo	All of CA					
Mode of Transit	#	(%)	#	(%)	#	(%)	(%)				
Less than 5 minutes	149	0.3	223	0.7	372	0.5	2.1				
5 to 9 minutes	1,024	2.3	1,048	3.1	2,072	2.8	7.8				
10 to 14 minutes	4,474	10.0	3,687	11.0	8,161	10.9	12.4				
15 to 19 minutes	4,810	10.7	5,316	15.8	10, 126	13.6	15.3				
20 to 24 minutes	6,616	14.8	6,273	18.7	12,889	17.3	14.8				
25 to 29 minutes	3,838	8.6	1,424	4.2	5,262	7.1	6.4				
30 to 34 minutes	5,816	13.0	4,879	14.5	10,695	14.3	15.2				
35 to 39 minutes	1,401	3.1	717	2.1	2,118	2.8	2.9				
40 to 44 minutes	1,515	3.4	1,949	5.8	3,464	4.6	4.1				
45 to 59 minutes	2,946	6.6	2,288	6.8	5,234	7.0	8.2				
60 to 89 minutes	1,726	3.8	1,380	4.1	3,106	4.2	7.2				
90 or more minutes	1,235	2.8	179	0.5	1,414	1.9	3.6				
Total:	35, 550	79.3	29,363	87.5	64,913	87.1					

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.



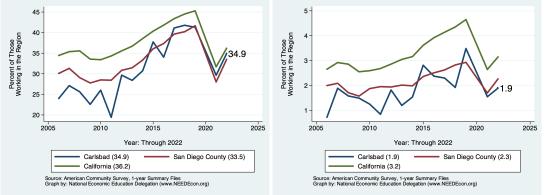
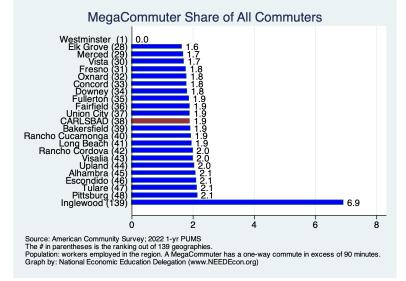


Figure 84: Rank: Share of MegaCommuters Across Similar Geographies



Place of Work

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

	Male		Female		All Wo	rkers	All of CA	
Place of Work	#	(%)	#	(%)	#	(%)	(%)	
Worked in state of residence:	30,465	97.1	23,896	87.0	54,361	95.0	99.6	
Worked in county of residence	29,024	92.5	23,415	85.2	52,439	91.7	85.3	
worked outside of county of residence	1,441	4.6	481	1.8	1,922	3.4	14.3	
Worked outside state of residence	190	0.6	348	1.3	538	0.9	0.4	
Total:	30,655	97.7	24,244	88.2	54,899	96.0		

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

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

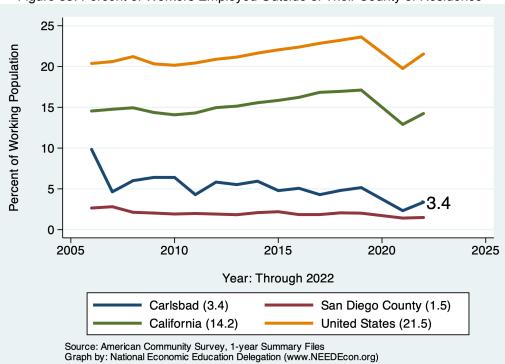


Figure 85: Percent of Workers Employed Outside of Their County of Residence

Male		Female		All Workers		All of CA	
#	(%)	#	(%)	#	(%)	(%)	
30,655	97.7	24,244	88.2	54,899	96.0	95.8	
14,996	47.8	13,054	47.5	28,050	49.0	42.3	
15,659	49.9	11,190	40.7	26,849	46.9	53.4	
0	0.0	0	0.0	0	0.0	4.2	
30,655	97.7	24,244	88.2	54,899	96.0		
	# 30,655 14,996 15,659 0	# (%) 30,655 97.7 14,996 47.8 15,659 49.9 0 0.0	# (%) # 30, 655 97.7 24, 244 14, 996 47.8 13, 054 15, 659 49.9 11, 190 0 0.0 0	# (%) # (%) 30,655 97.7 24,244 88.2 14,996 47.8 13,054 47.5 15,659 49.9 11,190 40.7 0 0.0 0 0.0	# (%) # (%) # 30,655 97.7 24,244 88.2 54,899 14,996 47.8 13,054 47.5 28,050 15,659 49.9 11,190 40.7 26,849 0 0.0 0 0 0	# (%) # (%) # (%) 30,655 97.7 24,244 88.2 54,899 96.0 14,996 47.8 13,054 47.5 28,050 49.0 15,659 49.9 11,190 40.7 26,849 46.9 0 0.0 0 0.0 0 0.0	

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

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

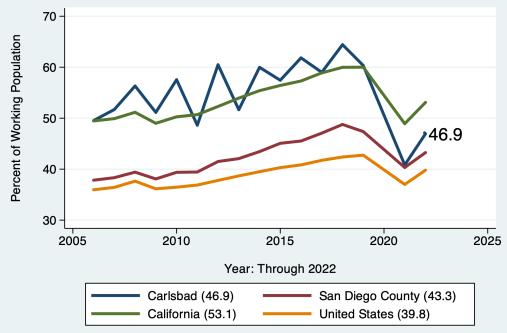


Figure 86: Percent of Workers Employed Outside of Their Place of Residence

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

Commute Mode by Income

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

	City	California		United Sta	tes
	Median	Median	Ratio	Median	Ratio
Car, truck, or van - drove alone	70,664	48,335	82.9	45,677	81.6
Car, truck, or van - carpooled	71,409	35,926	112.7	34,518	109.1
Public transportation (excluding taxicab)	40,471	34,625	66.3	41,443	51.5
Walked	30,861	30,552	57.3	27,247	59.8
Taxicab, motorcycle, bicycle, or other means	84,213	40,631	117.5	36,218	122.7
Worked from home	107,244	79,738	76.2	69,180	81.8
Total:	87,890	49,818	176.4	46,365	189.6

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

	< \$25	,000	\$25,000-	\$74,999	\$75,0	00+	AI	I	All of CA
Mode of Transit	#	(%)	#	(%)	#	(%)	#	(%)	(%)
Car, Truck, or Van: Drove Alone	7,664	54.5	9,606	61.2	17, 110	63.1	36,617	66.1	68.4
Car, Truck, or Van: Carpooled	1,271	9.0	431	2.7	985	3.6	2,881	5.2	9.5
Public Transportation (excl Taxi)	188	1.3	44	0.3	222	0.8	491	0.9	3.6
Walked	272	1.9	64	0.4	264	1.0	699	1.3	2.4
Taxicab, Motorcycle, or other	188	1.3	206	1.3	382	1.4	907	1.6	2.4
Worked at Home	2,318	16.5	2,443	15.6	8,148	30.1	13,731	24.8	13.6
Total:	11,901	84.7	12,794	81.6	27,111		55,326	99.8	100.0

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

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

	< \$25,000		\$25,000-	\$74,999	\$75,000+		Al	I	All of CA
Mode of Transit	#	(%)	#	(%)	#	(%)	#	(%)	(%)
Car, Truck, or Van: Drove Alone	13,696	56.7	17,406	71.7	20,001	62.5	57,244	68.6	68.5
Car, Truck, or Van: Carpooled	2,186	9.1	1,708	7.0	1,344	4.2	5,974	7.2	9.5
Public Transportation (excl Taxi)	235	1.0	124	0.5	97	0.3	477	0.6	3.6
Walked	411	1.7	129	0.5	222	0.7	837	1.0	2.4
Taxicab, Motorcycle, or other	363	1.5	229	0.9	598	1.9	1,379	1.7	2.4
Worked at Home	2,318	9.6	2,443	10.1	8,148	25.4	13,731	16.4	13.6
Total:	19,209	79.5	22,039	90.7	30,410	95.0	79,642	95.4	

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

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

Commute Mode by Poverty Status

Table 15. MODE OF TRANSPORTATION TO WORK BY POVERTY STATUS

	In Poverty		100-149% of Pov		>150% of Pov		All		All of CA	
Mode of Transit	#	(%)	#	(%)	#	(%)	#	(%)	(%)	
Car, Truck, or Van: Drove Alone	1,196	41.3	1,361	43.4	34,060	64.9	36,617	64.0	68.7	
Car, Truck, or Van: Carpooled	491	17.0	66	2.1	2,324	4.4	2,881	5.0	9.5	
Public Transportation (excl Taxi)	13	0.4	110	3.5	368	0.7	491	0.9	3.6	
Walked	13	0.4	189	6.0	497	0.9	699	1.2	2.1	
Taxicab, Motorcycle, or other	60	2.1	37	1.2	810	1.5	907	1.6	2.4	
Worked at Home	358	12.4	320	10.2	13,051	24.9	13,729	24.0	13.6	
Total:	2,131	73.7	2,083	66.5	51,110	97.3	55,324	96.7		

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

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

	In Po	verty	100-149	% of Pov	>150%	of Pov	All		All of CA
Mode of Transit	#	(%)	#	(%)	#	(%)	#	(%)	(%)
Car, Truck, or Van: Drove Alone	2,543	61.3	2,304	55.1	52, 397	70.5	57,244	70.7	68.7
Car, Truck, or Van: Carpooled	744	17.9	274	6.6	4,956	6.7	5,974	7.4	9.5
Public Transportation (excl Taxi)	55	1.3	40	1.0	382	0.5	477	0.6	3.6
Walked	17	0.4	213	5.1	607	0.8	837	1.0	2.1
Taxicab, Motorcycle, or other	104	2.5	32	0.8	1,243	1.7	1,379	1.7	2.4
Worked at Home	358	8.6	320	7.7	13,051	17.6	13,729	16.9	13.6
Total:	3,821	92.1	3,183	76.2	72,636	97.8	79,640	98.3	

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

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

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 Carlsbad 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.

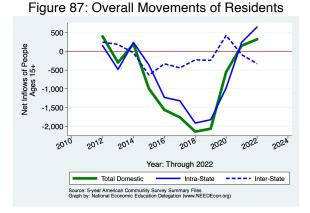


Table 17: Migration by Income

		N	Net Inflows								
			Same	e State		-					
		A 11 A 41	W/in	Between	Across	From					
Category	Population	All Migration	County	Counties	States	Abroad					
No income	12,843	97	364	-84	-210	27					
With income	81,405	729	448	-79	-118	478					
\$1 to \$9,999 or loss	8,791	-700	-265	-408	-166	139					
\$10,000 to \$14,999	5,103	52	-15	18	49	0					
\$15,000 to \$24,999	8,059	449	361	31	-49	106					
\$25,000 to \$34,999	6,279	208	281	63	-159	23					
\$35,000 to \$49,999	7,705	-12	-37	-67	63	29					
\$50,000 to \$64,999	6,732	78	140	-121	-26	85					
\$65,000 to \$74,999	3,780	-87	-88	-28	29	0					
\$75,000 or more	34,956	741	71	433	141	96					
All:	94,248	826	812	-163	-328	505					

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.

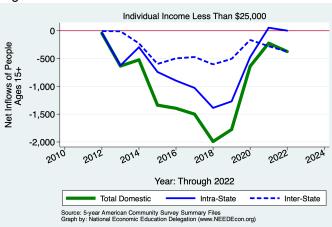
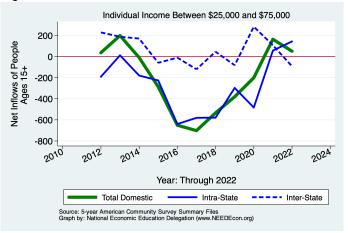
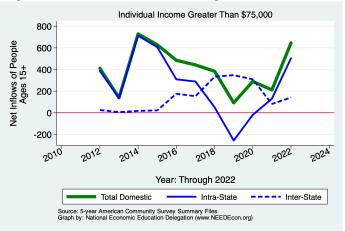


Figure 88: Overall Movements of Low Income Residents

Figure 89: Overall Movements of Middle Income Residents







Demographics of Migration Flows

Table 18: Migration by Marital Status

			Sam	e State		-
Category	Population	All Migration	W/in County	Between Counties	Across States	From Abroad
Never married	25,495	-911	-186	-286	-525	86
Now married, except separated	54,483	1,355	894	72	4	385
Divorced	10,058	438	228	63	113	34
Separated	727	-232	-187	-51	6	0
Widowed	3,485	176	63	39	74	0
Total:	94,248	826	812	-163	-328	505

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

Table 19: Migration by Tenure

		1	_			
			Same W/in	e State Between	Across	From
Category	Population	All Migration	County	Counties	States	Abroad
Householder lived in owner-occupied housing units	77,206	1,690	1,540	1,487	-1,828	491
Householder lived in renter-occupied housing units	34,873	-2,351	-2,363	53	-432	391
Total:	112,079	-661	-823	1,540	-2,260	882

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

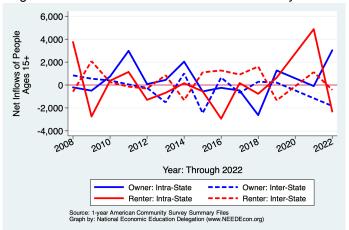


Figure 91: Domestic Movements of Residents by Tenure

		N	et Inflows			
			Same	e State		-
			W/in	Between	Across	From
Category	Population	All Migration	County	Counties	States	Abroad
1 to 4 years	3,515	-243	-127	-21	-95	0
5 to 17 years	21,425	592	414	121	-36	93
18 and 19 years	2,271	-794	-123	-448	-223	0
20 to 24 years	5,166	111	84	31	-27	23
25 to 29 years	6,679	56	129	-128	-46	101
30 to 34 years	5,828	-57	-34	-63	-74	114
35 to 39 years	7,192	202	$^{-1}$	108	23	72
40 to 44 years	8,471	348	101	197	0	50
45 to 49 years	7,899	72	40	-91	41	82
50 to 54 years	8,725	-46	131	-38	-139	0
55 to 59 years	8,692	216	154	70	-26	18
60 to 64 years	7,266	117	22	36	51	8
65 to 69 years	5,655	-32	32	-38	-26	0
70 to 74 years	5,333	133	51	65	17	0
75 years and over	9,458	440	188	166	86	0
Total Population:	113,575	1,115	1,061	-33	-474	561

Table 20: Migration by Age

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

Table 21: Migration by Educational Attainment

		N	et Inflows			
			Sam	e State		_
			W/in	Between	Across	From
Category	Population	All Migration	County	Counties	States	Abroad
Less than high school graduate	2,918	-564	-547	-17	0	0
High school graduate (includes equiv)	6,837	-755	-718	239	-276	0
Some college or assoc. degree	17,915	-705	60	70	-835	0
Bachelor's degree	30,539	40	377	-93	-636	392
Graduate or professional degree	20,087	836	179	847	-427	237
Total:	78,296	-1,148	-649	1,046	-2,174	629

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

Table 22: Median Income of Migration Flows

Flow	In-Migration	Out-Migration
Same House 1 Year Ago	72,529	72,529
Moved Within Same County	73,832	53,974
Moved to Different County, Same State	92,062	11,207
Moved Between States	52,795	39,000
Moved from Abroad	33,995	
Total Population:	71,925	65,628

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	42.3	42.3
Moved Within Same County	34.3	33.0
Moved to Different County, Same State	39.8	20.5
Moved Between States	23.8	27.9
Moved from Abroad	35.7	
Total Population:	40.7	40.7

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 relased in January.

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

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