



# Demographic and Income Profile Report

Orange County, CA  
 Orange County, CA (06059)  
 Geography: County

Summary	2000	2010	2015
Population	2,846,289	3,090,761	3,151,668
Households	935,287	995,954	1,010,585
Families	667,917	710,557	717,959
Average Household Size	3.00	3.06	3.08
Owner Occupied Housing Units	574,456	599,767	608,568
Renter Occupied Housing Units	360,831	396,187	402,017
Median Age	33.4	35.1	35.2

Trends: 2010 - 2015 Annual Rate	Area	State	National
Population	0.39%	0.70%	0.76%
Households	0.29%	0.63%	0.78%
Families	0.21%	0.55%	0.64%
Owner HHs	0.29%	0.68%	0.82%
Median Household Income	2.98%	2.59%	2.36%

Households by Income	2000		2010		2015	
	Number	Percent	Number	Percent	Number	Percent
<\$15,000	81,576	8.7%	52,123	5.2%	38,763	3.8%
\$15,000 - \$24,999	81,207	8.7%	57,335	5.8%	43,940	4.3%
\$25,000 - \$34,999	92,352	9.9%	58,421	5.9%	42,220	4.2%
\$35,000 - \$49,999	137,223	14.7%	111,118	11.2%	81,881	8.1%
\$50,000 - \$74,999	193,379	20.7%	182,203	18.3%	179,864	17.8%
\$75,000 - \$99,999	130,633	14.0%	169,864	17.1%	162,909	16.1%
\$100,000 - \$149,999	130,297	13.9%	201,593	20.2%	255,213	25.3%
\$150,000 - \$199,999	44,399	4.7%	81,220	8.2%	99,443	9.8%
\$200,000+	45,088	4.8%	82,077	8.2%	106,352	10.5%
Median Household Income	\$58,904		\$79,132		\$91,649	
Average Household Income	\$77,543		\$101,916		\$116,411	
Per Capita Income	\$25,826		\$33,143		\$37,663	

Population by Age	2000		2010		2015	
	Number	Percent	Number	Percent	Number	Percent
0 - 4	216,014	7.6%	233,837	7.6%	236,416	7.5%
5 - 9	231,928	8.1%	223,734	7.2%	228,199	7.2%
10 - 14	204,119	7.2%	207,569	6.7%	211,803	6.7%
15 - 19	194,543	6.8%	222,510	7.2%	197,559	6.3%
20 - 24	189,996	6.7%	210,826	6.8%	225,324	7.1%
25 - 34	466,324	16.4%	440,762	14.3%	468,179	14.9%
35 - 44	477,289	16.8%	448,686	14.5%	412,443	13.1%
45 - 54	360,739	12.7%	444,231	14.4%	430,066	13.6%
55 - 64	224,574	7.9%	315,710	10.2%	346,549	11.0%
65 - 74	148,702	5.2%	180,479	5.8%	224,618	7.1%
75 - 84	97,967	3.4%	110,294	3.6%	115,837	3.7%
85+	34,094	1.2%	52,123	1.7%	54,675	1.7%

Race and Ethnicity	2000		2010		2015	
	Number	Percent	Number	Percent	Number	Percent
White Alone	1,844,652	64.8%	1,829,475	59.2%	1,779,923	56.5%
Black Alone	47,649	1.7%	54,191	1.8%	56,071	1.8%
American Indian Alone	19,906	0.7%	20,533	0.7%	20,213	0.6%
Asian Alone	386,785	13.6%	520,096	16.8%	582,867	18.5%
Pacific Islander Alone	8,938	0.3%	9,998	0.3%	10,228	0.3%
Some Other Race Alone	421,208	14.8%	513,294	16.6%	549,027	17.4%
Two or More Races	117,151	4.1%	143,174	4.6%	153,339	4.9%
Hispanic Origin (Any Race)	875,579	30.8%	1,068,574	34.6%	1,143,424	36.3%

**Data Note:** Income is expressed in current dollars

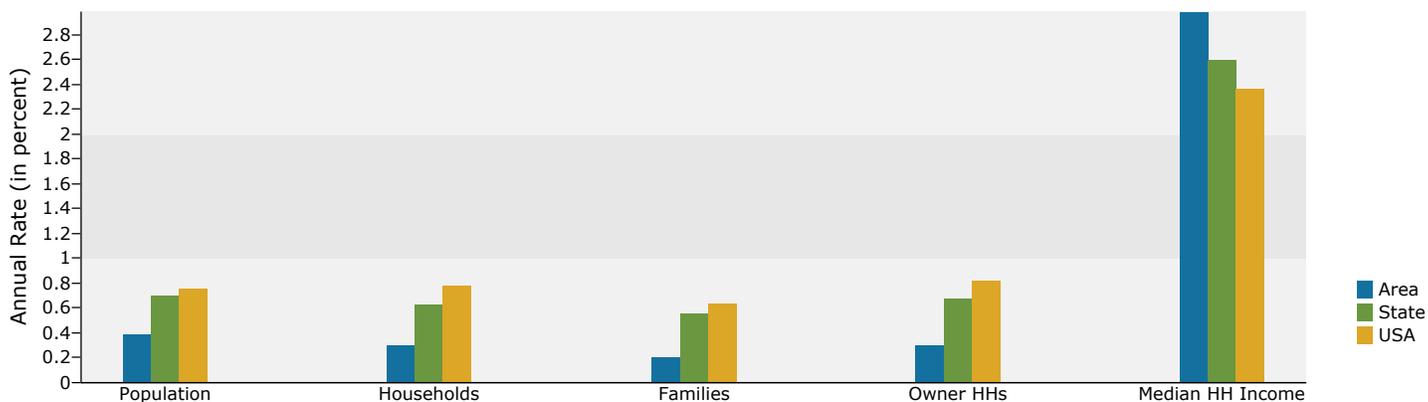
**Source:** U.S. Bureau of the Census, 2000 Census of Population and Housing. Esri forecasts for 2010 and 2015.

November 15, 2011

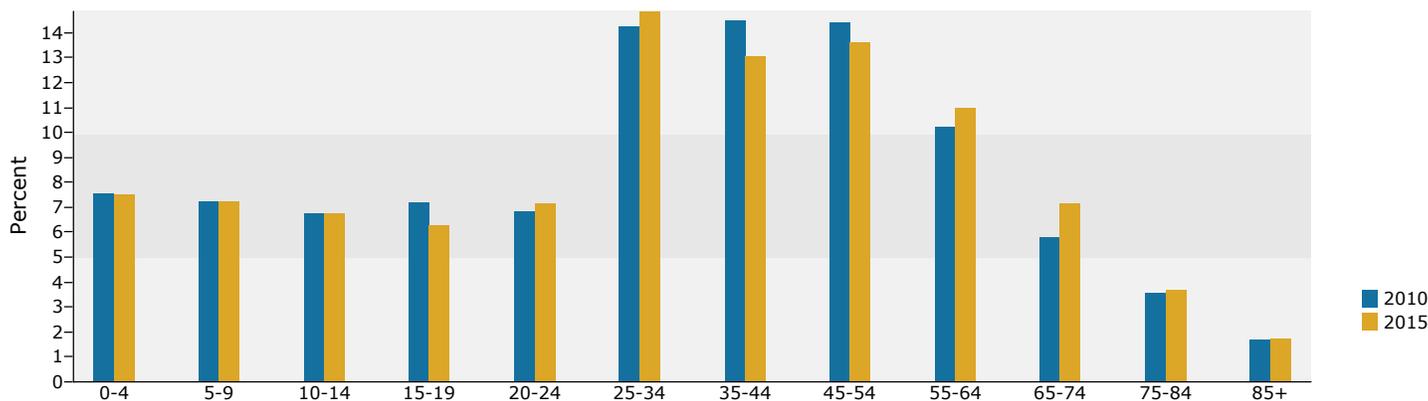
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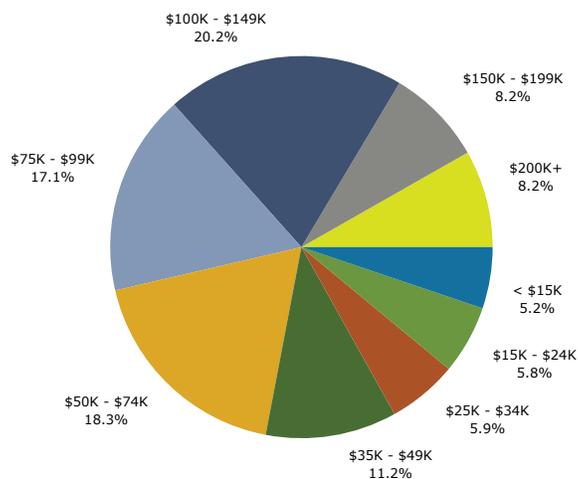
## Trends 2010-2015



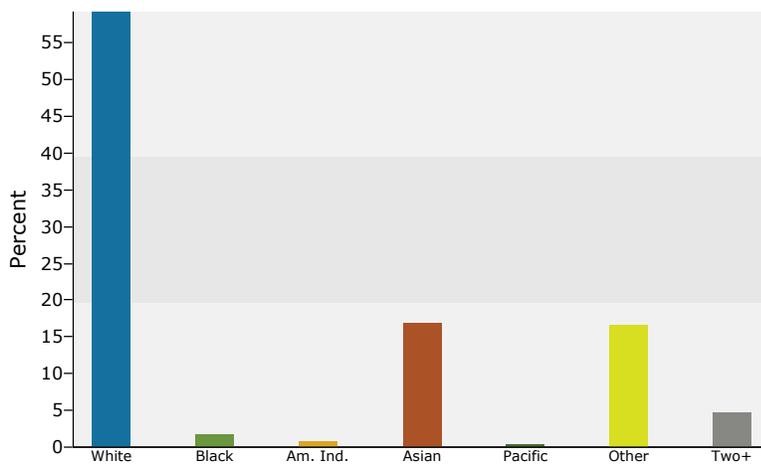
## Population by Age



## 2010 Household Income



## 2010 Population by Race



2010 Percent Hispanic Origin: 34.6%

Source: U.S. Bureau of the Census, 2000 Census of Population and Housing. Esri forecasts for 2010 and 2015.

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**2010 Population**

Total Population	3,090,761
Male Population	49.7%
Female Population	50.3%
Median Age	35.1

**2010 Income**

Median HH Income	\$79,132
Per Capita Income	\$33,143
Average HH Income	\$101,916

**2010 Households**

Total Households	995,954
Average Household Size	3.06

**2010 Housing**

Owner Occupied Housing Units	57.2%
Renter Occupied Housing Units	37.8%
Vacant Housing Units	5.0%

**Population**

1990 Population	2,410,556
2000 Population	2,846,289
2010 Population	3,090,761
2015 Population	3,151,668
1990-2000 Annual Rate	1.68%
2000-2010 Annual Rate	0.81%
2010-2015 Annual Rate	0.39%

In the identified market area, the current year population is 3,090,761. In 2000, the Census count in the market area was 2,846,289. The rate of change since 2000 was 0.81 percent annually. The five-year projection for the population in the market area is 3,151,668, representing a change of 0.39 percent annually from 2010 to 2015. Currently, the population is 49.7 percent male and 50.3 percent female.

**Households**

1990 Households	827,066
2000 Households	935,287
2010 Households	995,954
2015 Households	1,010,585
1990-2000 Annual Rate	1.24%
2000-2010 Annual Rate	0.62%
2010-2015 Annual Rate	0.29%

The household count in this market area has changed from 935,287 in 2000 to 995,954 in the current year, a change of 0.62 percent annually. The five-year projection of households is 1,010,585, a change of 0.29 percent annually from the current year total. Average household size is currently 3.06, compared to 3.00 in the year 2000. The number of families in the current year is 710,557 in the market area.

**Housing**

Currently, 57.2 percent of the 1,047,840 housing units in the market area are owner occupied; 37.8 percent, renter occupied; and 5.0 percent are vacant. In 2000, there were 969,484 housing units - 59.3 percent owner occupied, 37.2 percent renter occupied and 3.5 percent vacant. The rate of change in housing units since 2000 is 0.76 percent. Median home value in the market area is \$458,556, compared to a median home value of \$157,913 for the U.S. In five years, median home value is projected to change by 4.99 percent annually to \$585,000. From 2000 to the current year, median home value changed by 5.98 percent annually.

Source: U.S. Bureau of the Census, 2000 Census of Population and Housing. Esri forecasts for 2010 and 2015. Esri converted 1990 Census data into 2000 geography.

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**Median Household Income**

1990 Median HH Income	\$45,922
2000 Median HH Income	\$58,904
2010 Median HH Income	\$79,132
2015 Median HH Income	\$91,649
1990-2000 Annual Rate	2.52%
2000-2010 Annual Rate	2.92%
2010-2015 Annual Rate	2.98%

**Per Capita Income**

1990 Per Capita Income	\$19,890
2000 Per Capita Income	\$25,826
2010 Per Capita Income	\$33,143
2015 Per Capita Income	\$37,663
1990-2000 Annual Rate	2.65%
2000-2010 Annual Rate	2.46%
2010-2015 Annual Rate	2.59%

**Average Household Income**

1990 Average Household Income	\$57,302
2000 Average Household Income	\$77,543
2010 Average HH Income	\$101,916
2015 Average HH Income	\$116,411
1990-2000 Annual Rate	3.07%
2000-2010 Annual Rate	2.7%
2010-2015 Annual Rate	2.7%

**Households by Income**

Current median household income is \$79,132 in the market area, compared to \$54,442 for all U.S. households. Median household income is projected to be \$91,649 in five years. In 2000, median household income was \$58,904, compared to \$45,922 in 1990.

Current average household income is \$101,916 in this market area, compared to \$70,173 for all U.S. households. Average household income is projected to be \$116,411 in five years. In 2000, average household income was \$77,543, compared to \$57,302 in 1990.

Current per capita income is \$33,143 in the market area, compared to the U.S. per capita income of \$26,739. The per capita income is projected to be \$37,663 in five years. In 2000, the per capita income was \$25,826, compared to \$19,890 in 1990.

**Population by Employment**

Currently, 88.8 percent of the civilian labor force in the identified market area is employed and 11.2 percent are unemployed. In comparison, 89.2 percent of the U.S. civilian labor force is employed, and 10.8 percent are unemployed. In five years the rate of employment in the market area will be 90.7 percent of the civilian labor force, and unemployment will be 9.3 percent. The percentage of the U.S. civilian labor force that will be employed in five years is 91.2 percent, and 8.8 percent will be unemployed. In 2000, 65.5 percent of the population aged 16 years or older in the market area participated in the labor force, and 0.1 percent were in the Armed Forces.

In the current year, the occupational distribution of the employed population is:

- 68.6 percent in white collar jobs (compared to 61.6 percent of U.S. employment)
- 15.2 percent in service jobs (compared to 17.3 percent of U.S. employment)
- 16.3 percent in blue collar jobs (compared to 21.1 percent of U.S. employment)

In 2000, 76.5 percent of the market area population drove alone to work, and 3.7 percent worked at home. The average travel time to work in 2000 was 27.2 minutes in the market area, compared to the U.S. average of 25.5 minutes.

**Population by Education**

In 2010, the educational attainment of the population aged 25 years or older in the market area was distributed as follows:

- 17.0 percent had not earned a high school diploma (14.8 percent in the U.S.)
- 19.4 percent were high school graduates only (29.6 percent in the U.S.)
- 8.0 percent had completed an Associate degree (7.7 percent in the U.S.)
- 23.3 percent had a Bachelor's degree (17.7 percent in the U.S.)
- 12.4 percent had earned a Master's/Professional/Doctorate Degree (10.4 percent in the U.S.)

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Source: U.S. Bureau of the Census, 2000 Census of Population and Housing. Esri forecasts for 2010 and 2015. Esri converted 1990 Census data into 2000 geography.



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Total Businesses:	146,865
Total Employees:	1,387,001
Total Residential Population:	3,090,761
Employee/Residential Population Ratio:	0.45

	Businesses		Employees	
	Number	Percent	Number	Percent
Agriculture & Mining	2,148	1.5%	17,418	1.3%
Construction	10,499	7.1%	62,156	4.5%
Manufacturing	7,099	4.8%	159,989	11.5%
Transportation	3,308	2.3%	24,954	1.8%
Communication	1,078	0.7%	10,135	0.7%
Utility	312	0.2%	7,827	0.6%
Wholesale Trade	8,639	5.9%	84,699	6.1%
Retail Trade Summary	30,645	20.9%	305,307	22.0%
Home Improvement	1,862	1.3%	17,102	1.2%
General Merchandise Stores	695	0.5%	19,714	1.4%
Food Stores	2,794	1.9%	32,721	2.4%
Auto Dealers, Gas Stations, Auto Aftermarket	2,711	1.8%	29,619	2.1%
Apparel & Accessory Stores	2,935	2.0%	21,947	1.6%
Furniture & Home Furnishings	3,960	2.7%	32,428	2.3%
Eating & Drinking Places	7,417	5.1%	102,384	7.4%
Miscellaneous Retail	8,271	5.6%	49,392	3.6%
Finance, Insurance, Real Estate Summary	17,803	12.1%	136,499	9.8%
Banks, Savings & Lending Institutions	4,505	3.1%	35,643	2.6%
Securities Brokers	2,418	1.6%	12,163	0.9%
Insurance Carriers & Agents	3,313	2.3%	30,321	2.2%
Real Estate, Holding, Other Investment Offices	7,567	5.2%	58,372	4.2%
Services Summary	59,535	40.5%	520,588	37.5%
Hotels & Lodging	648	0.4%	24,309	1.8%
Automotive Services	4,117	2.8%	18,993	1.4%
Motion Pictures & Amusements	3,256	2.2%	24,749	1.8%
Health Services	7,549	5.1%	101,019	7.3%
Legal Services	3,910	2.7%	20,038	1.4%
Education Institutions & Libraries	2,395	1.6%	91,480	6.6%
Other Services	37,660	25.6%	240,000	17.3%
Government	1,362	0.9%	50,017	3.6%
Other	4,437	3.0%	7,412	0.5%
<b>Totals</b>	<b>146,865</b>	<b>100.0%</b>	<b>1,387,001</b>	<b>100.0%</b>

Source: Business data provided by Infogroup, Omaha NE Copyright 2010, all rights reserved. Esri forecasts for 2010.



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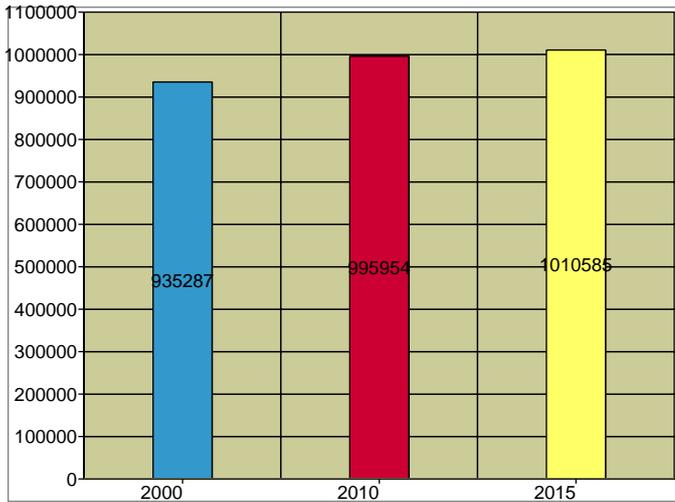
Total Businesses:	146,865
Total Employees:	1,387,001
Total Residential Population:	3,090,761
Employee/Residential Population Ratio:	0.45

	Businesses		Employees	
	Number	Percent	Number	Percent
Agriculture, Forestry, Fishing & Hunting	299	0.2%	1,387	0.1%
Mining	86	0.1%	481	0.0%
Utilities	129	0.1%	2,446	0.2%
Construction	11,927	8.1%	69,579	5.0%
Manufacturing	7,502	5.1%	160,902	11.6%
Wholesale Trade	8,405	5.7%	82,772	6.0%
Retail Trade	22,256	15.2%	199,100	14.4%
Motor Vehicle & Parts Dealers	2,218	1.5%	27,169	2.0%
Furniture & Home Furnishings Stores	1,369	0.9%	8,705	0.6%
Electronics & Appliance Stores	2,352	1.6%	22,851	1.6%
Bldg Material & Garden Equipment & Supplies Dealers	1,826	1.2%	16,525	1.2%
Food & Beverage Stores	2,209	1.5%	28,445	2.1%
Health & Personal Care Stores	1,584	1.1%	14,438	1.0%
Gasoline Stations	493	0.3%	2,450	0.2%
Clothing & Clothing Accessories Stores	3,704	2.5%	24,197	1.7%
Sport Goods, Hobby, Book, & Music Stores	1,715	1.2%	15,458	1.1%
General Merchandise Stores	695	0.5%	19,714	1.4%
Miscellaneous Store Retailers	3,574	2.4%	17,172	1.2%
Nonstore Retailers	517	0.4%	1,976	0.1%
Transportation & Warehousing	2,408	1.6%	21,581	1.6%
Information	3,159	2.2%	28,812	2.1%
Finance & Insurance	10,430	7.1%	79,202	5.7%
Central Bank/Credit Intermediation & Related Activities	4,296	2.9%	34,236	2.5%
Securities, Commodity Contracts & Other Financial Investments & Other Related Activities	2,764	1.9%	14,081	1.0%
Insurance Carriers & Related Activities; Funds, Trusts & Other Financial Vehicles	3,370	2.3%	30,885	2.2%
Real Estate, Rental & Leasing	8,199	5.6%	55,230	4.0%
Professional, Scientific & Tech Services	19,556	13.3%	130,048	9.4%
Legal Services	4,318	2.9%	26,573	1.9%
Management of Companies & Enterprises	95	0.1%	655	0.0%
Administrative & Support & Waste Management & Remediation Services	8,199	5.6%	65,463	4.7%
Educational Services	3,173	2.2%	93,543	6.7%
Health Care & Social Assistance	9,454	6.4%	118,303	8.5%
Arts, Entertainment & Recreation	2,138	1.5%	20,365	1.5%
Accommodation & Food Services	8,396	5.7%	127,997	9.2%
Accommodation	648	0.4%	24,309	1.8%
Food Services & Drinking Places	7,748	5.3%	103,688	7.5%
Other Services (except Public Administration)	15,133	10.3%	70,170	5.1%
Automotive Repair & Maintenance	3,383	2.3%	14,496	1.0%
Public Administration	1,376	0.9%	50,471	3.6%
Unclassified Establishments	4,545	3.1%	8,494	0.6%
<b>Total</b>	<b>146,865</b>	<b>100.0%</b>	<b>1,387,001</b>	<b>100.0%</b>

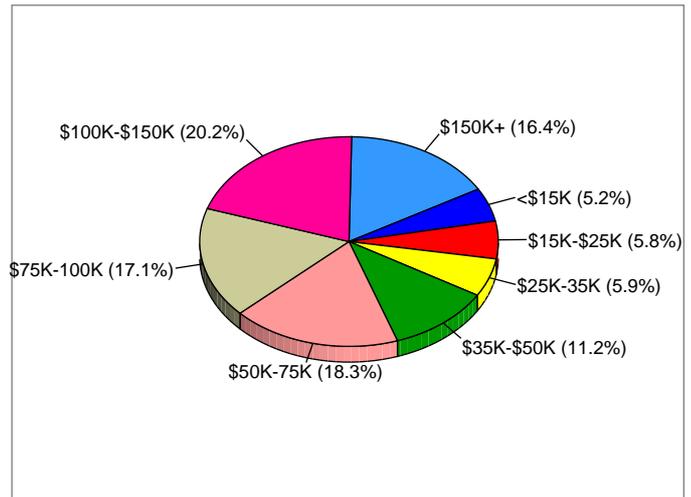
Source: Business data provided by Infogroup, Omaha NE Copyright 2010, all rights reserved. Esri forecasts for 2010.

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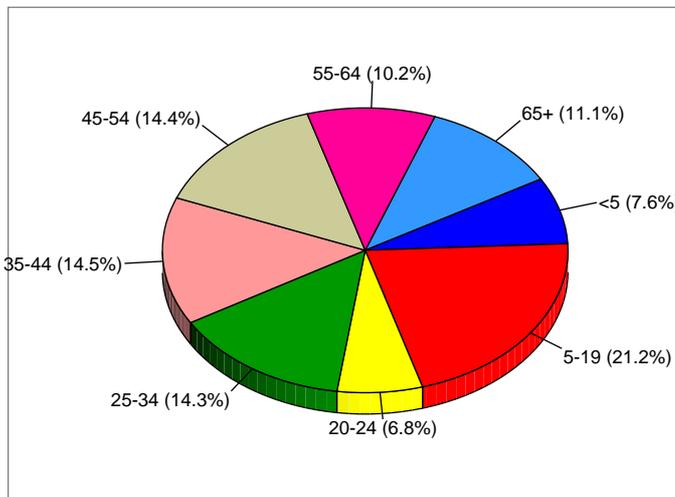
Households



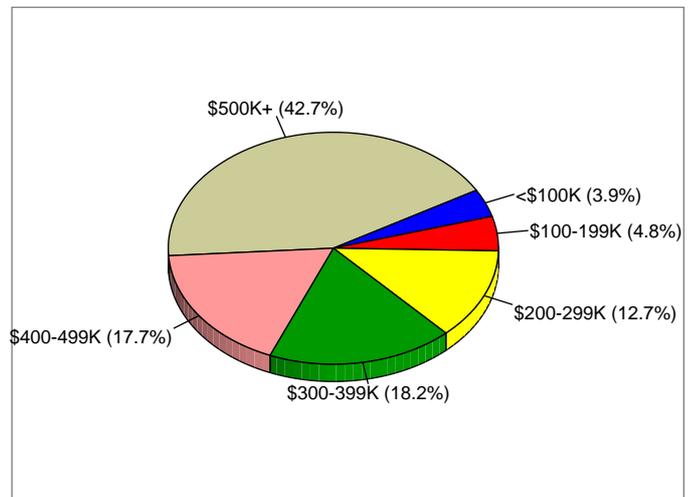
2010 Households by Income



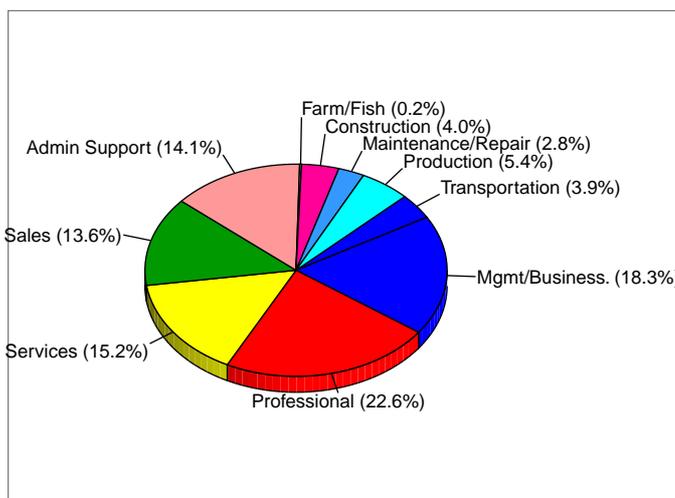
2010 Population by Age



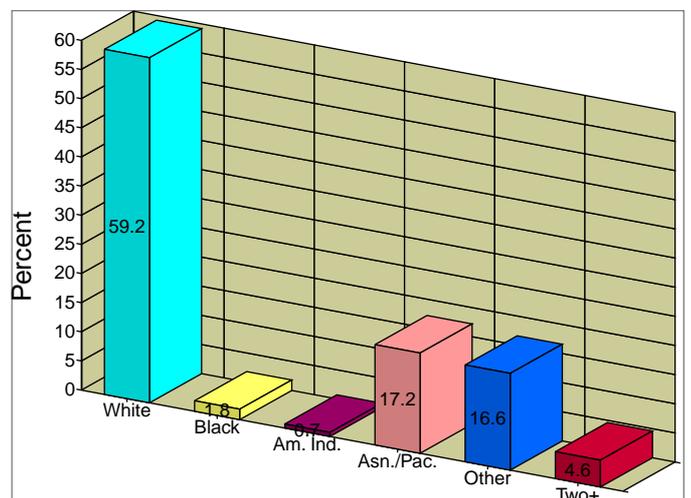
2010 Owner Occupied HUs by Value



2010 Employed 16+ by Occupation



2010 Population by Race



2010 Percent Hispanic Origin: 34.6%

Source: U.S. Bureau of the Census, 2000 Census of Population and Housing. Esri forecasts for 2010 and 2015.



# ACS Housing Summary

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 Orange County, CA (06059)  
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	2005-2009 ACS Estimate	Percent	MOE(±)	Reliability
<b>TOTALS</b>				
Total Population	2,976,831		0	High
Total Households	974,001		2,680	High
Total Housing Units	1,028,490		1,140	High
<b>OWNER-OCCUPIED HOUSING UNITS BY VALUE</b>				
Total	598,752	100.0%	4,031	High
Less than \$10,000	1,744	0.3%	218	High
\$10,000 to \$14,999	1,047	0.2%	231	Medium
\$15,000 to \$19,999	814	0.1%	211	Medium
\$20,000 to \$24,999	945	0.2%	173	High
\$25,000 to \$29,999	1,154	0.2%	231	Medium
\$30,000 to \$34,999	1,404	0.2%	221	High
\$35,000 to \$39,999	1,024	0.2%	191	High
\$40,000 to \$49,999	2,813	0.5%	328	High
\$50,000 to \$59,999	3,528	0.6%	373	High
\$60,000 to \$69,999	3,331	0.6%	370	High
\$70,000 to \$79,999	2,908	0.5%	344	High
\$80,000 to \$89,999	2,927	0.5%	331	High
\$90,000 to \$99,999	2,123	0.4%	293	High
\$100,000 to \$124,999	5,460	0.9%	428	High
\$125,000 to \$149,999	3,501	0.6%	358	High
\$150,000 to \$174,999	5,130	0.9%	450	High
\$175,000 to \$199,999	4,422	0.7%	455	High
\$200,000 to \$249,999	13,217	2.2%	831	High
\$250,000 to \$299,999	14,064	2.3%	773	High
\$300,000 to \$399,999	49,001	8.2%	1,548	High
\$400,000 to \$499,999	70,672	11.8%	1,848	High
\$500,000 to \$749,999	215,097	35.9%	2,622	High
\$750,000 to \$999,999	111,666	18.6%	1,874	High
\$1,000,000 or more	80,760	13.5%	1,437	High
Median Home Value	\$625,700		\$1,931	High
Average Home Value	\$656,407		\$6,164	High
<b>OWNER-OCCUPIED HOUSING UNITS BY MORTGAGE STATUS</b>				
Total	598,752	100.0%	4,031	High
Housing units with a mortgage/contract to purchase/similar debt	464,666	77.6%	3,545	High
Second mortgage only	31,309	5.2%	1,194	High
Home equity loan only	117,232	19.6%	2,482	High
Both second mortgage and home equity loan	8,836	1.5%	729	High
No second mortgage and no home equity loan	307,289	51.3%	3,436	High
Housing units without a mortgage	134,086	22.4%	2,225	High
<b>AVERAGE VALUE BY MORTGAGE STATUS</b>				
Housing units with a mortgage	\$685,141		\$7,256	High
Housing units without a mortgage	\$556,831		\$14,208	High

Source: U.S. Census Bureau, 2005-2009 American Community Survey

Reliability: High Medium Low

November 15, 2011

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# ACS Housing Summary

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	2005-2009 ACS Estimate	Percent	MOE(±)	Reliability
<b>RENTER-OCCUPIED HOUSING UNITS BY CONTRACT RENT</b>				
Total	375,249	100.0%	3,308	High
With cash rent	365,253	97.3%	3,348	High
Less than \$100	293	0.1%	101	Medium
\$100 to \$149	630	0.2%	212	Medium
\$150 to \$199	1,232	0.3%	260	Medium
\$200 to \$249	3,987	1.1%	390	High
\$250 to \$299	1,785	0.5%	303	High
\$300 to \$349	1,887	0.5%	342	High
\$350 to \$399	1,943	0.5%	337	High
\$400 to \$449	1,918	0.5%	331	High
\$450 to \$499	1,524	0.4%	231	High
\$500 to \$549	2,628	0.7%	382	High
\$550 to \$599	1,852	0.5%	310	High
\$600 to \$649	2,696	0.7%	362	High
\$650 to \$699	3,010	0.8%	393	High
\$700 to \$749	4,293	1.1%	402	High
\$750 to \$799	5,393	1.4%	527	High
\$800 to \$899	16,875	4.5%	938	High
\$900 to \$999	28,720	7.7%	1,206	High
\$1,000 to \$1,249	82,058	21.9%	1,775	High
\$1,250 to \$1,499	79,814	21.3%	2,262	High
\$1,500 to \$1,999	82,519	22.0%	2,115	High
\$2,000 or more	40,196	10.7%	1,501	High
No cash rent	9,996	2.7%	650	High
Median Contract Rent	\$1,312		\$6	High
Average Contract Rent	\$1,373		\$20	High
<b>RENTER-OCCUPIED HOUSING UNITS BY INCLUSION OF UTILITIES IN RENT</b>				
Total	375,249	100.0%	3,308	High
Pay extra for one or more utilities	351,754	93.7%	3,192	High
No extra payment for any utilities	23,495	6.3%	981	High
<b>HOUSING UNITS BY UNITS IN STRUCTURE</b>				
Total	1,028,490	100.0%	1,140	High
1, detached	523,758	50.9%	2,881	High
1, attached	122,827	11.9%	2,146	High
2	18,169	1.8%	964	High
3 or 4	73,353	7.1%	1,699	High
5 to 9	69,204	6.7%	2,001	High
10 to 19	58,224	5.7%	1,820	High
20 to 49	44,231	4.3%	1,755	High
50 or more	84,596	8.2%	1,843	High
Mobile home	33,392	3.2%	913	High
Boat, RV, van, etc.	736	0.1%	168	Medium

Source: U.S. Census Bureau, 2005-2009 American Community Survey

Reliability: High medium low

November 15, 2011

Made with Esri Business Analyst



# ACS Housing Summary

Orange County, CA  
 Orange County, CA (06059)  
 Geography: County

	2005-2009 ACS Estimate	Percent	MOE(±)	Reliability
<b>HOUSING UNITS BY YEAR STRUCTURE BUILT</b>				
Total	1,028,490	100.0%	1,140	High
Built 2005 or later	15,683	1.5%	877	High
Built 2000 to 2004	61,917	6.0%	1,530	High
Built 1990 to 1999	120,826	11.7%	2,145	High
Built 1980 to 1989	165,806	16.1%	2,667	High
Built 1970 to 1979	260,882	25.4%	2,570	High
Built 1960 to 1969	216,048	21.0%	2,368	High
Built 1950 to 1959	135,124	13.1%	2,168	High
Built 1940 to 1949	26,544	2.6%	984	High
Built 1939 or earlier	25,660	2.5%	844	High
Median Year Structure Built	1974		1	High
<b>OCCUPIED HOUSING UNITS BY YEAR HOUSEHOLDER MOVED INTO UNIT</b>				
Total	974,001	100.0%	2,680	High
Owner occupied				
Moved in 2005 or later	77,649	8.0%	1,796	High
Moved in 2000 to 2004	167,554	17.2%	2,643	High
Moved in 1990 to 1999	176,732	18.1%	2,144	High
Moved in 1980 to 1989	82,895	8.5%	1,536	High
Moved in 1970 to 1979	58,920	6.0%	1,428	High
Moved in 1969 or earlier	35,002	3.6%	1,081	High
Renter occupied				
Moved in 2005 or later	183,971	18.9%	3,151	High
Moved in 2000 to 2004	124,994	12.8%	2,835	High
Moved in 1990 to 1999	53,336	5.5%	1,441	High
Moved in 1980 to 1989	9,349	1.0%	571	High
Moved in 1970 to 1979	2,597	0.3%	325	High
Moved in 1969 or earlier	1,002	0.1%	176	High
Median Year Householder Moved Into Unit	2001		1	High
<b>OCCUPIED HOUSING UNITS BY HOUSE HEATING FUEL</b>				
Total	974,001	100.0%	2,680	High
Utility gas	714,413	73.3%	3,683	High
Bottled, tank, or LP gas	10,747	1.1%	608	High
Electricity	203,952	20.9%	3,226	High
Fuel oil, kerosene, etc.	743	0.1%	193	Medium
Coal or coke	68	0.0%	50	Low
Wood	3,119	0.3%	319	High
Solar energy	478	0.0%	135	Medium
Other fuel	597	0.1%	177	Medium
No fuel used	39,884	4.1%	1,461	High

Source: U.S. Census Bureau, 2005-2009 American Community Survey

Reliability: High Medium Low

November 15, 2011

Made with Esri Business Analyst



# ACS Housing Summary

Orange County, CA  
 Orange County, CA (06059)  
 Geography: County

	2005-2009 ACS Estimate	Percent	MOE(±)	Reliability
<b>OCCUPIED HOUSING UNITS BY VEHICLES AVAILABLE</b>				
Total	974,001	100.0%	2,680	
Owner occupied				
No vehicle available	13,313	1.4%	713	
1 vehicle available	126,968	13.0%	1,936	
2 vehicles available	267,474	27.5%	3,356	
3 vehicles available	123,794	12.7%	1,974	
4 vehicles available	47,214	4.8%	1,433	
5 or more vehicles available	19,989	2.1%	859	
Renter occupied				
No vehicle available	32,103	3.3%	1,071	
1 vehicle available	153,056	15.7%	2,459	
2 vehicles available	140,376	14.4%	2,609	
3 vehicles available	35,716	3.7%	1,168	
4 vehicles available	9,930	1.0%	740	
5 or more vehicles available	4,068	0.4%	463	
Average Number of Vehicles Available	2.0		0.0	

**Data Note:** N/A means not available.

**2005-2009 ACS Estimate:** The American Community Survey (ACS) replaces census sample data. Esri is releasing the 2005-2009 ACS estimates, five-year period data collected monthly from January 1, 2005 through December 31, 2009. Although the ACS includes many of the subjects previously covered by the decennial census sample, there are significant differences between the two surveys including fundamental differences in survey design and residency rules.

**Margin of error (MOE):** The MOE is a measure of the variability of the estimate due to sampling error. MOEs enable the data user to measure the range of uncertainty for each estimate with 90 percent confidence. The range of uncertainty is called the confidence interval, and it is calculated by taking the estimate +/- the MOE. For example, if the ACS reports an estimate of 100 with an MOE of +/- 20, then you can be 90 percent certain the value for the whole population falls between 80 and 120.

**Reliability:** These symbols represent threshold values that Esri has established from the Coefficients of Variation (CV) to designate the usability of the estimates. The CV measures the amount of sampling error relative to the size of the estimate, expressed as a percentage.

- High Reliability: Small CVs (less than or equal to 12 percent) are flagged green to indicate that the sampling error is small relative to the estimate and the estimate is reasonably reliable.
- Medium Reliability: Estimates with CVs between 12 and 40 are flagged yellow—use with caution.
- Low Reliability: Large CVs (over 40 percent) are flagged red to indicate that the sampling error is large relative to the estimate. The estimate is considered very unreliable.

Source: U.S. Census Bureau, 2005-2009 American Community Survey

Reliability: high medium low

November 15, 2011

Made with Esri Business Analyst



# ACS Population Summary

Orange County, CA  
 Orange County, CA (06059)  
 Geography: County

	2005 - 2009 ACS Estimate	Percent	MOE(±)	Reliability
<b>TOTALS</b>				
Total Population	2,976,831		0	High
Total Households	974,001		2,680	High
Total Housing Units	1,028,490		1,140	High
<b>POPULATION AGE 15+ YEARS BY MARITAL STATUS</b>				
Total	2,347,638	100.0%	0	High
Never married	757,463	32.3%	4,738	High
Married	1,257,119	53.5%	5,340	High
Widowed	117,666	5.0%	1,876	High
Divorced	215,390	9.2%	3,181	High
<b>POPULATION AGE 3+ YEARS BY SCHOOL ENROLLMENT</b>				
Total	2,848,100	100.0%	1,640	High
Enrolled in school	847,293	29.7%	3,873	High
Enrolled in nursery school, preschool	50,548	1.8%	1,610	High
Public school	23,212	0.8%	1,171	High
Private school	27,336	1.0%	1,129	High
Enrolled in kindergarten	41,045	1.4%	1,397	High
Public school	34,507	1.2%	1,384	High
Private school	6,538	0.2%	607	High
Enrolled in grade 1 to grade 4	160,154	5.6%	2,218	High
Public school	141,207	5.0%	2,245	High
Private school	18,947	0.7%	906	High
Enrolled in grade 5 to grade 8	169,808	6.0%	2,567	High
Public school	152,500	5.4%	2,550	High
Private school	17,308	0.6%	914	High
Enrolled in grade 9 to grade 12	177,465	6.2%	1,908	High
Public school	163,884	5.8%	1,958	High
Private school	13,581	0.5%	748	High
Enrolled in college undergraduate years	203,531	7.1%	2,801	High
Public school	172,895	6.1%	2,927	High
Private school	30,636	1.1%	2,163	High
Enrolled in graduate or professional school	44,742	1.6%	1,872	High
Public school	27,032	0.9%	1,613	High
Private school	17,710	0.6%	921	High
Not enrolled in school	2,000,807	70.3%	3,920	High
<b>POPULATION AGE 25+ YEARS BY EDUCATIONAL ATTAINMENT</b>				
Total	1,942,395	100.0%	0	High
No schooling completed	34,071	1.8%	1,343	High
Nursery to 4th grade	30,000	1.5%	1,309	High
5th and 6th grade	78,390	4.0%	2,243	High
7th and 8th grade	36,116	1.9%	1,547	High
9th grade	47,020	2.4%	1,696	High
10th grade	28,739	1.5%	1,363	High
11th grade	31,162	1.6%	1,393	High
12th grade, no diploma	45,272	2.3%	1,597	High
High school graduate, GED, or alternative	369,148	19.0%	4,212	High
Some college, less than 1 year	107,939	5.6%	2,198	High
Some college, 1 or more years, no degree	297,950	15.3%	3,658	High
Associate's degree	152,676	7.9%	2,560	High
Bachelor's degree	446,732	23.0%	4,001	High
Master's degree	160,754	8.3%	2,537	High
Professional school degree	50,534	2.6%	1,598	High
Doctorate degree	25,892	1.3%	1,112	High

Source: U.S. Census Bureau, 2005-2009 American Community Survey

Reliability: High medium low

November 15, 2011

Made with Esri Business Analyst



# ACS Population Summary

Orange County, CA  
 Orange County, CA (06059)  
 Geography: County

	2005 - 2009 ACS Estimate	Percent	MOE(±)	Reliability
<b>POPULATION AGE 5+ YEARS BY LANGUAGE SPOKEN AT HOME AND ABILITY TO SPEAK ENGLISH</b>				
Total	2,760,481	100.0%	0	
5 to 17 years				
Speak only English	288,316	10.4%	2,468	
Speak Spanish	187,844	6.8%	1,873	
Speak English "very well" or "well"	172,492	6.2%	3,020	
Speak English "not well"	12,969	0.5%	918	
Speak English "not at all"	2,383	0.1%	435	
Speak other Indo-European languages	11,930	0.4%	1,028	
Speak English "very well" or "well"	11,568	0.4%	984	
Speak English "not well"	266	0.0%	121	
Speak English "not at all"	96	0.0%	82	
Speak Asian and Pacific Island languages	49,450	1.8%	1,174	
Speak English "very well" or "well"	45,306	1.6%	1,376	
Speak English "not well"	3,875	0.1%	492	
Speak English "not at all"	269	0.0%	107	
Speak other languages	3,844	0.1%	621	
Speak English "very well" or "well"	3,666	0.1%	573	
Speak English "not well"	172	0.0%	123	
Speak English "not at all"	6	0.0%	11	
18 to 64 years				
Speak only English	1,041,094	37.7%	4,824	
Speak Spanish	506,862	18.4%	2,760	
Speak English "very well" or "well"	305,686	11.1%	4,369	
Speak English "not well"	127,359	4.6%	3,233	
Speak English "not at all"	73,817	2.7%	2,772	
Speak other Indo-European languages	75,731	2.7%	2,702	
Speak English "very well" or "well"	71,205	2.6%	2,436	
Speak English "not well"	4,212	0.2%	530	
Speak English "not at all"	314	0.0%	116	
Speak Asian and Pacific Island languages	250,278	9.1%	2,757	
Speak English "very well" or "well"	190,830	6.9%	3,000	
Speak English "not well"	51,153	1.9%	1,946	
Speak English "not at all"	8,295	0.3%	747	
Speak other languages	17,226	0.6%	1,525	
Speak English "very well" or "well"	15,895	0.6%	1,302	
Speak English "not well"	1,134	0.0%	311	
Speak English "not at all"	197	0.0%	138	
65 years and over				
Speak only English	227,049	8.2%	1,240	
Speak Spanish	36,724	1.3%	742	
Speak English "very well" or "well"	20,485	0.7%	942	
Speak English "not well"	7,110	0.3%	637	
Speak English "not at all"	9,129	0.3%	842	
Speak other Indo-European languages	19,893	0.7%	985	
Speak English "very well" or "well"	15,260	0.6%	783	
Speak English "not well"	2,816	0.1%	412	
Speak English "not at all"	1,817	0.1%	391	
Speak Asian and Pacific Island languages	41,616	1.5%	659	
Speak English "very well" or "well"	17,090	0.6%	796	
Speak English "not well"	15,425	0.6%	855	
Speak English "not at all"	9,101	0.3%	723	
Speak other languages	2,624	0.1%	436	
Speak English "very well" or "well"	1,949	0.1%	339	
Speak English "not well"	487	0.0%	160	
Speak English "not at all"	188	0.0%	95	

Source: U.S. Census Bureau, 2005-2009 American Community Survey

Reliability: high medium low

November 15, 2011

Made with Esri Business Analyst



# ACS Population Summary

Orange County, CA  
 Orange County, CA (06059)  
 Geography: County

	2005 - 2009 ACS Estimate	Percent	MOE(±)	Reliability
<b>WORKERS AGE 16+ YEARS BY PLACE OF WORK</b>				
Total	1,423,260	100.0%	4,623	High
Worked in state and in county of residence	1,194,778	83.9%	4,958	High
Worked in state and outside county of residence	222,320	15.6%	3,461	High
Worked outside state of residence	6,162	0.4%	554	High
<b>WORKERS AGE 16+ YEARS BY MEANS OF TRANSPORTATION TO WORK</b>				
Total	1,423,260	100.0%	4,623	High
Drove alone	1,102,199	77.4%	5,589	High
Carpooled	156,484	11.0%	3,369	High
Public transportation (excluding taxicab)	43,807	3.1%	2,153	High
Bus or trolley bus	39,606	2.8%	2,183	High
Streetcar or trolley car	265	0.0%	165	Medium
Subway or elevated	635	0.0%	157	Medium
Railroad	3,224	0.2%	361	High
Ferryboat	77	0.0%	60	Low
Taxicab	256	0.0%	106	Medium
Motorcycle	3,861	0.3%	410	High
Bicycle	12,759	0.9%	1,213	High
Walked	28,539	2.0%	1,455	High
Other means	9,837	0.7%	939	High
Worked at home	65,518	4.6%	1,904	High
<b>WORKERS AGE 16+ YEARS (WHO DID NOT WORK FROM HOME) BY TRAVEL TIME TO WORK</b>				
Total	1,357,742	100.0%	4,802	High
Less than 5 minutes	24,876	1.8%	1,123	High
5 to 9 minutes	107,224	7.9%	2,731	High
10 to 14 minutes	179,570	13.2%	3,035	High
15 to 19 minutes	218,409	16.1%	3,884	High
20 to 24 minutes	216,584	16.0%	3,366	High
25 to 29 minutes	85,296	6.3%	2,532	High
30 to 34 minutes	227,916	16.8%	3,347	High
35 to 39 minutes	35,690	2.6%	1,242	High
40 to 44 minutes	54,439	4.0%	1,668	High
45 to 59 minutes	97,056	7.1%	2,452	High
60 to 89 minutes	79,808	5.9%	2,120	High
90 or more minutes	30,874	2.3%	1,302	High
Average Travel Time to Work (in minutes)	26.1		0.2	High

Source: U.S. Census Bureau, 2005-2009 American Community Survey

Reliability: High Medium Low

November 15, 2011

Made with Esri Business Analyst



# ACS Population Summary

Orange County, CA  
 Orange County, CA (06059)  
 Geography: County

	2005 - 2009 ACS Estimate	Percent	MOE(±)	Reliability
<b>CIVILIAN EMPLOYED POPULATION AGE 16+ YEARS</b>				
<b>BY OCCUPATION</b>				
Total	1,457,089	100.0%	4,491	
Management	178,284	12.2%	2,475	
Business and financial operations	84,051	5.8%	2,076	
Computer and mathematical	41,606	2.9%	1,398	
Architecture and engineering	41,726	2.9%	1,558	
Life, physical, and social science	13,314	0.9%	741	
Community and social services	17,127	1.2%	953	
Legal	20,385	1.4%	1,040	
Education, training, and library	77,475	5.3%	1,793	
Arts, design, entertainment, sports, and media	36,066	2.5%	1,306	
Healthcare practitioner, technologists, and technicians	59,445	4.1%	1,613	
Healthcare support	19,281	1.3%	1,036	
Protective service	23,402	1.6%	997	
Food preparation and serving related	69,877	4.8%	2,440	
Building and grounds cleaning and maintenance	62,205	4.3%	2,071	
Personal care and service	49,773	3.4%	1,793	
Sales and related	194,709	13.4%	3,011	
Office and administrative support	198,382	13.6%	2,882	
Farming, fishing, and forestry	4,874	0.3%	598	
Construction and extraction	73,219	5.0%	1,875	
Installation, maintenance, and repair	36,399	2.5%	1,555	
Production	93,655	6.4%	2,412	
Transportation and material moving	61,834	4.2%	2,027	
<b>CIVILIAN EMPLOYED POPULATION AGE 16+ YEARS</b>				
<b>BY INDUSTRY</b>				
Total	1,457,089	100.0%	4,491	
Agriculture, forestry, fishing and hunting	6,369	0.4%	701	
Mining, quarrying, and oil and gas extraction	1,041	0.1%	223	
Construction	103,462	7.1%	1,855	
Manufacturing	201,807	13.9%	3,164	
Wholesale trade	61,739	4.2%	1,902	
Retail trade	154,475	10.6%	2,860	
Transportation and warehousing	43,791	3.0%	1,289	
Utilities	7,396	0.5%	566	
Information	32,098	2.2%	1,309	
Finance and insurance	93,027	6.4%	2,162	
Real estate and rental and leasing	47,490	3.3%	1,547	
Professional, scientific, and technical services	123,363	8.5%	2,602	
Management of companies and enterprises	1,987	0.1%	298	
Administrative and support and waste management services	73,678	5.1%	2,113	
Educational services	114,033	7.8%	2,321	
Health care and social assistance	139,565	9.6%	2,474	
Arts, entertainment, and recreation	33,754	2.3%	1,326	
Accommodation and food services	100,331	6.9%	2,572	
Other services, except public administration	75,761	5.2%	2,120	
Public administration	41,922	2.9%	1,425	

Source: U.S. Census Bureau, 2005-2009 American Community Survey

Reliability: high medium low

November 15, 2011

Made with Esri Business Analyst



# ACS Population Summary

Orange County, CA  
 Orange County, CA (06059)  
 Geography: County

	2005 - 2009 ACS Estimate	Percent	MOE(±)	Reliability
<b>FEMALES AGE 20-64 YEARS BY AGE OF OWN CHILDREN AND EMPLOYMENT STATUS</b>				
Total	887,034	100.0%	1,651	High
Own children under 6 years only	75,749	8.5%	2,053	High
In labor force	45,628	5.1%	1,682	High
Not in labor force	30,121	3.4%	1,035	High
Own children under 6 years and 6 to 17 years	70,734	8.0%	1,561	High
In labor force	39,791	4.5%	1,424	High
Not in labor force	30,943	3.5%	1,189	High
Own children 6 to 17 years only	193,471	21.8%	2,668	High
In labor force	138,150	15.6%	2,326	High
Not in labor force	55,321	6.2%	1,404	High
No own children under 18 years	547,080	61.7%	3,810	High
In labor force	404,999	45.7%	3,711	High
Not in labor force	142,081	16.0%	2,387	High
<b>POPULATION BY RATIO OF INCOME TO POVERTY LEVEL</b>				
Total	2,935,638	100.0%	3,351	High
Under .50	119,540	4.1%	4,462	High
.50 to .99	162,547	5.5%	6,153	High
1.00 to 1.24	113,404	3.9%	4,889	High
1.25 to 1.49	122,876	4.2%	4,988	High
1.50 to 1.84	164,074	5.6%	5,444	High
1.85 to 1.99	76,242	2.6%	4,338	High
2.00 and over	2,176,955	74.2%	9,952	High
<b>HOUSEHOLDS BY POVERTY STATUS</b>				
Total	974,001	100.0%	2,680	High
Income in the past 12 months below poverty level	79,392	8.2%	1,870	High
Married-couple family	22,887	2.3%	1,131	High
Other family - male householder (no wife present)	5,292	0.5%	617	High
Other family - female householder (no husband present)	18,127	1.9%	1,113	High
Nonfamily household - male householder	13,244	1.4%	888	High
Nonfamily household - female householder	19,842	2.0%	1,011	High
Income in the past 12 months at or above poverty level	894,609	91.8%	3,042	High
Married-couple family	505,418	51.9%	4,116	High
Other family - male householder (no wife present)	48,739	5.0%	1,594	High
Other family - female householder (no husband present)	88,749	9.1%	1,765	High
Nonfamily household - male householder	117,620	12.1%	2,113	High
Nonfamily household - female householder	134,083	13.8%	1,984	High

Source: U.S. Census Bureau, 2005-2009 American Community Survey

Reliability: High medium low

November 15, 2011

Made with Esri Business Analyst



# ACS Population Summary

Orange County, CA  
 Orange County, CA (06059)  
 Geography: County

	2005 - 2009 ACS Estimate	Percent	MOE(±)	Reliability
<b>HOUSEHOLDS BY INCOME</b>				
Total	974,001	100.0%	2,680	
Less than \$10,000	37,170	3.8%	1,349	
\$10,000 to \$14,999	31,467	3.2%	1,249	
\$15,000 to \$19,999	32,436	3.3%	1,283	
\$20,000 to \$24,999	35,275	3.6%	1,235	
\$25,000 to \$29,999	36,824	3.8%	1,224	
\$30,000 to \$34,999	35,863	3.7%	1,301	
\$35,000 to \$39,999	37,709	3.9%	1,142	
\$40,000 to \$44,999	38,561	4.0%	1,329	
\$45,000 to \$49,999	36,074	3.7%	1,451	
\$50,000 to \$59,999	73,219	7.5%	1,859	
\$60,000 to \$74,999	100,124	10.3%	2,347	
\$75,000 to \$99,999	133,880	13.7%	2,043	
\$100,000 to \$124,999	103,533	10.6%	1,924	
\$125,000 to \$149,999	72,871	7.5%	1,879	
\$150,000 to \$199,999	80,632	8.3%	1,677	
\$200,000 or more	88,363	9.1%	1,916	
Median Household Income	\$73,738		\$438	
Average Household Income	\$99,350		\$751	
Per Capita Income	\$33,901		\$206	
<b>HOUSEHOLDS WITH HOUSEHOLDER AGE &lt;25 YEARS BY INCOME</b>				
Total	29,616	100.0%	1,281	
Less than \$10,000	4,256	14.4%	440	
\$10,000 to \$14,999	1,489	5.0%	317	
\$15,000 to \$19,999	1,483	5.0%	255	
\$20,000 to \$24,999	1,674	5.7%	283	
\$25,000 to \$29,999	2,040	6.9%	312	
\$30,000 to \$34,999	1,639	5.5%	265	
\$35,000 to \$39,999	1,519	5.1%	321	
\$40,000 to \$44,999	1,685	5.7%	283	
\$45,000 to \$49,999	1,512	5.1%	338	
\$50,000 to \$59,999	2,892	9.8%	420	
\$60,000 to \$74,999	3,331	11.2%	389	
\$75,000 to \$99,999	3,085	10.4%	414	
\$100,000 to \$124,999	1,425	4.8%	231	
\$125,000 to \$149,999	809	2.7%	196	
\$150,000 to \$199,999	426	1.4%	136	
\$200,000 or more	351	1.2%	141	
Median Household Income for HHR <25	\$42,046		\$1,636	
Average Household Income for HHR <25	\$50,377		\$3,619	

Source: U.S. Census Bureau, 2005-2009 American Community Survey

Reliability: high medium low

November 15, 2011

Made with Esri Business Analyst



# ACS Population Summary

Orange County, CA  
 Orange County, CA (06059)  
 Geography: County

	2005 - 2009 ACS Estimate	Percent	MOE(±)	Reliability
<b>HOUSEHOLDS WITH HOUSEHOLDER AGE 25-44 YEARS BY INCOME</b>				
Total	375,879	100.0%	2,490	
Less than \$10,000	10,834	2.9%	754	
\$10,000 to \$14,999	6,844	1.8%	651	
\$15,000 to \$19,999	9,117	2.4%	723	
\$20,000 to \$24,999	11,153	3.0%	844	
\$25,000 to \$29,999	12,234	3.3%	862	
\$30,000 to \$34,999	14,177	3.8%	874	
\$35,000 to \$39,999	14,988	4.0%	897	
\$40,000 to \$44,999	15,680	4.2%	879	
\$45,000 to \$49,999	15,090	4.0%	1,111	
\$50,000 to \$59,999	32,135	8.5%	1,403	
\$60,000 to \$74,999	43,308	11.5%	1,596	
\$75,000 to \$99,999	57,903	15.4%	1,291	
\$100,000 to \$124,999	42,873	11.4%	1,333	
\$125,000 to \$149,999	29,817	7.9%	1,177	
\$150,000 to \$199,999	30,729	8.2%	1,156	
\$200,000 or more	28,997	7.7%	1,102	
Median Household Income for HHr 25-44	\$75,906		\$701	
Average Household Income for HHr 25-44	\$96,957		\$1,507	
<b>HOUSEHOLDS WITH HOUSEHOLDER AGE 45-64 YEARS BY INCOME</b>				
Total	378,762	100.0%	1,899	
Less than \$10,000	11,303	3.0%	715	
\$10,000 to \$14,999	8,180	2.2%	607	
\$15,000 to \$19,999	7,659	2.0%	591	
\$20,000 to \$24,999	9,214	2.4%	631	
\$25,000 to \$29,999	10,172	2.7%	697	
\$30,000 to \$34,999	10,311	2.7%	695	
\$35,000 to \$39,999	11,316	3.0%	836	
\$40,000 to \$44,999	12,321	3.3%	780	
\$45,000 to \$49,999	11,605	3.1%	717	
\$50,000 to \$59,999	23,847	6.3%	1,041	
\$60,000 to \$74,999	36,368	9.6%	1,290	
\$75,000 to \$99,999	54,783	14.5%	1,649	
\$100,000 to \$124,999	46,324	12.2%	1,154	
\$125,000 to \$149,999	34,828	9.2%	1,216	
\$150,000 to \$199,999	41,041	10.8%	1,099	
\$200,000 or more	49,490	13.1%	1,322	
Median Household Income for HHr 45-64	\$91,202		\$800	
Average Household Income for HHr 45-64	\$119,634		\$1,357	

Source: U.S. Census Bureau, 2005-2009 American Community Survey

Reliability: high medium low

November 15, 2011

Made with Esri Business Analyst



# ACS Population Summary

Orange County, CA  
 Orange County, CA (06059)  
 Geography: County

	2005 - 2009 ACS Estimate	Percent	MOE(±)	Reliability
<b>HOUSEHOLDS WITH HOUSEHOLDER AGE 65+ YEARS BY INCOME</b>				
Total	189,744	100.0%	1,859	
Less than \$10,000	10,777	5.7%	689	
\$10,000 to \$14,999	14,954	7.9%	802	
\$15,000 to \$19,999	14,177	7.5%	733	
\$20,000 to \$24,999	13,234	7.0%	639	
\$25,000 to \$29,999	12,378	6.5%	697	
\$30,000 to \$34,999	9,736	5.1%	504	
\$35,000 to \$39,999	9,886	5.2%	600	
\$40,000 to \$44,999	8,875	4.7%	594	
\$45,000 to \$49,999	7,867	4.1%	523	
\$50,000 to \$59,999	14,345	7.6%	625	
\$60,000 to \$74,999	17,117	9.0%	826	
\$75,000 to \$99,999	18,109	9.5%	822	
\$100,000 to \$124,999	12,911	6.8%	738	
\$125,000 to \$149,999	7,417	3.9%	490	
\$150,000 to \$199,999	8,436	4.4%	526	
\$200,000 or more	9,525	5.0%	590	
Median Household Income for HHr 65+	\$45,574		\$823	
Average Household Income for HHr 65+	\$71,244		\$1,755	

**Data Note:** N/A means not available. Population by Ratio of Income to Poverty Level represents persons for whom poverty status is determined. Household income represents income in 2009, adjusted for inflation.

**2005-2009 ACS Estimate:** The American Community Survey (ACS) replaces census sample data. Esri is releasing the 2005-2009 ACS estimates, five-year period data collected monthly from January 1, 2005 through December 31, 2009. Although the ACS includes many of the subjects previously covered by the decennial census sample, there are significant differences between the two surveys including fundamental differences in survey design and residency rules.

**Margin of error (MOE):** The MOE is a measure of the variability of the estimate due to sampling error. MOEs enable the data user to measure the range of uncertainty for each estimate with 90 percent confidence. The range of uncertainty is called the confidence interval, and it is calculated by taking the estimate +/- the MOE. For example, if the ACS reports an estimate of 100 with an MOE of +/- 20, then you can be 90 percent certain the value for the whole population falls between 80 and 120.

**Reliability:** These symbols represent threshold values that Esri has established from the Coefficients of Variation (CV) to designate the usability of the estimates. The CV measures the amount of sampling error relative to the size of the estimate, expressed as a percentage.

- High Reliability: Small CVs (less than or equal to 12 percent) are flagged green to indicate that the sampling error is small relative to the estimate and the estimate is reasonably reliable.
- Medium Reliability: Estimates with CVs between 12 and 40 are flagged yellow—use with caution.
- Low Reliability: Large CVs (over 40 percent) are flagged red to indicate that the sampling error is large relative to the estimate. The estimate is considered very unreliable.

Source: U.S. Census Bureau, 2005-2009 American Community Survey

Reliability: high medium low

November 15, 2011

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