

**American Housing Survey - Selected Elements Related to Healthy Homes**  
**Anaheim-Santa Ana (Orange County), CA in 2011 and 2002**  
**2002 is only reported if >=5% (relative) and 0.1% (absolute) different from 2011 (otherwise "-" is listed).**

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002
Total Occupied Units(,000)	983	938	567	597	416	340	22	14	58	21	111	72	95	87
<b>GENERAL</b>														
Owner occupied(,000)	567	597	567	597	.	.	6	6	7	7	30	28	46	46
Renter occupied(,000)	416	340	.	.	416	340	16	8	50	14	82	44	49	41
Owner occupied	57.7%	63.7%	100%	-	.	.	26.5%	39.8%	12.8%	33.7%	26.6%	38.6%	48.2%	52.6%
Renter occupied	42.3%	36.3%	.	.	100%	-	73.5%	60.2%	87.2%	66.3%	73.4%	61.4%	51.8%	47.4%
<b>Units in Structure</b>														
1, detached	51.8%	-	76.3%	71.7%	18.4%	16.7%	30.2%	27.7%	6.2%	26.2%	30.7%	32.9%	41.9%	49.0%
1, attached	12.1%	23.8%	11.7%	15.6%	12.6%	38.3%	10.7%	22.2%	2.0%	15.8%	13.0%	29.5%	10.9%	21.0%
2 to 4	10.6%	8.1%	2.3%	-	21.9%	15.9%	20.6%	15.5%	28.0%	18.3%	20.1%	11.7%	14.5%	7.7%
5 to 9	6.6%	4.3%	1.5%	-	13.4%	8.7%	16.5%	13.5%	21.1%	14.9%	8.6%	6.5%	12.2%	8.5%
10 to 19	6.0%	3.4%	1.8%	-	11.8%	7.1%	6.3%	11.8%	18.7%	8.7%	11.0%	6.4%	6.8%	5.1%
20 to 49	4.6%	-	0.5%	-	10.2%	7.1%	3.9%	-	8.0%	6.6%	9.6%	5.6%	3.4%	-
50 or more	5.2%	2.0%	0.8%	-	11.3%	5.1%	10.2%	1.4%	15.1%	6.6%	4.4%	-	5.5%	2.0%
Manufactured /mobile home or trailer	3.1%	-	5.2%	-	0.3%	-	1.5%	-	1.0%	-	2.6%	-	4.8%	-
<b>Year Structure Built</b>														
Post-2000	6.3%	2.5%	7.0%	2.8%	5.2%	1.9%	0.7%	-	9.3%	3.4%	4.0%	-	6.7%	0.9%
Post-1980	28.2%	-	29.2%	31.4%	26.8%	-	17.7%	-	32.8%	27.3%	23.0%	25.8%	25.8%	13.2%
Pre-1980	71.8%	-	70.8%	-	73.2%	-	82.3%	-	67.2%	72.7%	77.0%	-	74.2%	86.8%
Pre-1960	16.9%	14.9%	17.8%	15.7%	15.7%	13.6%	33.6%	24.3%	12.4%	10.8%	26.1%	19.9%	26.1%	30.9%
Pre-1940	1.7%	-	1.6%	-	1.9%	-	2.7%	-	0.8%	5.4%	1.7%	-	2.2%	-

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002
Foundation (for 1-unit not manufactured)														
1-Unit not manufactured(,000)	628	708	499	521	129	187	9	7	5	9	49	45	50	61
With a basement under all of house	0.2%	-	0.1%	-	0.3%	-	<0.1%	-	<0.1%	-	<0.1%	1.7%	<0.1%	0.7%
With a basement under part of house	0.7%	-	0.9%	-	0.3%	-	15.5%	0.1%	<0.1%	-	<0.1%	0.5%	<0.1%	1.5%
With a crawl space	13.3%	12.5%	13.5%	-	12.3%	9.4%	13.1%	26.3%	6.6%	12.0%	17.1%	13.2%	17.7%	30.1%
On a concrete slab	84.8%	-	84.6%	-	85.9%	-	71.4%	-	93.4%	85.1%	81.7%	-	81.1%	67.1%
In some other way	1.0%	-	0.9%	-	1.3%	-	<0.1%	2.5%	<0.1%	2.9%	1.2%	-	1.2%	-
EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	1.0%	-	0.8%	-	1.5%	-	5.1%	6.7%	<0.1%	2.2%	0.6%	-	2.7%	-
Missing roofing material	1.8%	-	1.5%	-	3.1%	-	6.7%	2.6%	7.0%	10.6%	6.3%	4.2%	0.6%	-
Hole in roof	0.7%	-	0.5%	-	1.7%	-	15.7%	2.4%	6.3%	-	2.8%	-	<0.1%	0.5%
Missing bricks, siding, other outside wall material	1.2%	-	0.7%	-	3.2%	-	19.8%	2.4%	<0.1%	9.1%	3.1%	-	5.6%	4.8%
Sloping outside walls	1.0%	-	0.9%	-	1.6%	-	7.8%	2.4%	<0.1%	3.4%	0.6%	-	<0.1%	0.9%
Boarded up windows	0.4%	-	0.3%	-	0.5%	-	<0.1%	-	4.0%	-	0.8%	-	0.4%	-
Broken windows	2.1%	-	1.4%	-	4.6%	-	4.7%	-	7.6%	12.2%	6.5%	1.7%	<0.1%	3.5%
Bars on windows	2.5%	-	2.7%	-	1.7%	-	<0.1%	-	2.3%	14.4%	1.0%	-	3.1%	-
Foundation crumbling or has open crack or hole	5.8%	2.3%	4.9%	-	9.4%	2.2%	31.6%	12.7%	3.7%	6.5%	11.8%	1.1%	4.9%	-
None of the above	85.8%	-	87.7%	-	78.2%	85.3%	59.3%	80.9%	78.0%	57.8%	76.0%	83.7%	84.9%	80.1%
None of the above(excluding bars)	87.6%	-	89.6%	-	79.6%	86.8%	59.3%	80.9%	78.0%	61.9%	77.0%	85.6%	88.1%	82.2%

<i>Characteristic</i>	<i>Occupied</i>		<i>Owner Occupied</i>		<i>Rental</i>		<i>Severe Problems</i>		<i>Moderate Problems</i>		<i>Below Poverty</i>		<i>Central City</i>	
	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>
	Water Leakage During Last 12 Months													
With leakage from outside structure	6.7%	4.6%	7.4%	4.4%	5.9%	5.1%	13.7%	11.0%	9.3%	20.0%	10.2%	5.7%	10.0%	4.8%
Roof	4.6%	-	5.3%	2.9%	3.6%	-	11.7%	11.0%	5.3%	12.7%	7.8%	4.4%	6.3%	3.4%
Basement leak	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	0.4%
Walls, closed windows, or doors leak	1.6%	-	0.9%	-	2.6%	-	10.4%	1.4%	3.5%	-	4.2%	-	2.2%	-
Other or Unknown exterior Leak	1.1%	-	1.2%	-	0.9%	-	<0.1%	-	1.3%	6.3%	0.7%	-	1.7%	-
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<b>INTERIOR</b>														
<b>Damage</b>														
Holes in floors	0.8%	-	0.4%	-	1.4%	-	11.0%	0.9%	6.3%	7.4%	1.7%	-	1.5%	-
Open cracks or holes	2.8%	-	2.5%	-	3.3%	-	14.0%	7.7%	6.7%	23.5%	4.2%	-	3.5%	-
Broken plaster or peeling paint	1.5%	-	0.8%	-	2.5%	-	10.4%	12.7%	7.0%	13.6%	4.2%	-	0.7%	-
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Water Leakage During Last 12 Months														
With leakage from inside structure	9.3%	-	8.1%	-	11.0%	-	11.2%	20.6%	11.6%	36.2%	8.5%	7.6%	13.4%	10.6%
Fixtures backed up or overflowed	2.4%	-	1.7%	-	3.3%	-	8.5%	7.3%	1.5%	23.9%	2.0%	-	2.1%	6.6%
Pipes leaked	4.0%	-	4.1%	-	3.9%	6.4%	8.3%	11.0%	3.7%	21.7%	4.1%	-	6.3%	4.6%
Broken water heater	0.9%	-	0.8%	-	1.0%	-	<0.1%	4.8%	0.4%	-	1.5%	-	<0.1%	0.3%
Other or Unknown	2.3%	-	1.6%	-	3.3%	-	<0.1%	2.2%	7.3%	3.2%	1.9%	-	5.0%	1.3%
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<b>Rodents</b>														
Signs of rats in last 3 mon.	1.4%	-	1.9%	-	0.7%	-	3.4%	-	1.0%	-	0.9%	-	0.5%	-

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002
Signs of mice in last 3 mon.	3.3%	-	3.6%	-	3.0%	-	8.7%	-	2.6%	6.5%	5.9%	2.9%	0.7%	-
Signs of rodents, not sure which kind in last 3 mon.	0.8%	-	0.6%	-	1.0%	-	<0.1%	-	0.9%	-	3.2%	-	0.3%	-
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Electrical														
No electrical wiring	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
Exposed wiring	1.0%	-	1.1%	-	0.9%	-	3.3%	-	1.0%	-	1.4%	-	0.7%	-
Rooms without electric outlets	0.6%	-	0.7%	-	0.6%	-	1.8%	-	5.5%	3.4%	0.2%	-	0.1%	-
Fuses/breakers blown in last 3 mon.	7.3%	-	7.0%	7.3%	7.8%	6.3%	10.6%	16.1%	5.7%	19.1%	9.2%	4.6%	9.0%	3.9%
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Sanitation														
Lacking complete kitchen facilities	5.4%	1.5%	0.7%	-	12.0%	2.9%	18.0%	4.0%	86.3%	62.8%	6.5%	2.0%	11.7%	0.9%
Lacking some or all plumbing facilities	1.7%	-	0.8%	-	3.0%	-	78.0%	37.4%	<0.1%	-	0.9%	-	0.4%	-
Water not safe to drink	16.9%	26.0%	11.4%	20.2%	24.4%	36.2%	29.4%	39.5%	25.6%	48.0%	30.1%	35.0%	34.6%	39.3%
Water stoppage in last 3 mon.	4.6%	-	3.5%	-	6.1%	-	6.8%	13.4%	3.0%	13.0%	8.2%	3.8%	7.2%	3.9%
No flush toilets working some time in last 3 mon.	1.5%	-	1.0%	-	2.2%	-	6.6%	-	4.2%	10.9%	5.6%	2.4%	2.6%	-
With sewage disposal breakdowns in last 3 mon.	1.2%	-	1.0%	-	1.4%	-	8.0%	10.9%	1.2%	7.0%	1.9%	-	0.9%	-
Septic tank, cesspool, chemical toilet	0.1%	-	0.2%	-	<0.1%	-	<0.1%	-	<0.1%	0.9%	0.1%	-	0.2%	-
With septic tank or cesspool breakdowns in last 3 mon.	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
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HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	75.8%	-	87.0%	-	60.5%	-	56.5%	66.9%	50.8%	58.9%	52.3%	67.7%	65.8%	-

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002
Steam or hot water system	0.3%	-	0.2%	-	0.5%	-	<0.1%	-	0.5%	-	1.3%	-	0.1%	-
Electric heat pump	1.5%	-	1.9%	-	1.0%	-	<0.1%	1.7%	0.4%	-	0.4%	-	1.3%	-
Built-in electric units	3.1%	-	1.6%	-	5.2%	3.9%	10.0%	1.4%	8.3%	6.7%	2.8%	-	2.0%	-
Floor, wall, or other built-in hot air without ducts	15.7%	13.4%	6.8%	6.0%	27.8%	-	25.0%	22.4%	29.9%	17.4%	29.9%	20.4%	28.0%	-
Room heaters with flue	0.5%	-	0.2%	-	0.9%	-	<0.1%	6.2%	0.2%	-	1.3%	-	<0.1%	-
Room heaters without flue	0.3%	-	0.5%	-	0.1%	-	0.6%	-	5.4%	4.8%	0.1%	-	0.3%	-
Portable electric heaters	1.3%	-	1.1%	-	1.5%	-	7.3%	0.1%	0.9%	-	5.6%	1.7%	0.4%	-
Fireplace without inserts	0.2%	-	<0.1%	-	0.4%	-	<0.1%	-	0.2%	-	0.1%	-	0.1%	-
Other	0.3%	-	0.1%	-	0.6%	-	0.6%	-	<0.1%	-	1.5%	-	0.2%	-
No heating equipment	0.9%	-	0.6%	-	1.4%	-	<0.1%	1.3%	3.1%	-	4.4%	-	1.7%	-
Cooking stove	0.1%	-	<0.1%	-	0.1%	-	<0.1%	-	0.2%	-	0.1%	-	<0.1%	-
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Water Heating Fuel														
Electricity	11.6%	13.6%	8.0%	10.0%	16.5%	19.9%	16.3%	18.0%	26.8%	19.0%	12.0%	14.9%	11.4%	8.8%
Gas, LP/bottled gas	88.1%	-	91.9%	-	83.0%	-	83.7%	-	72.9%	81.0%	87.8%	-	88.4%	-
Other	0.2%	-	0.1%	-	0.2%	-	<0.1%	-	0.3%	-	0.3%	-	0.1%	-
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Clothes Dryer(,000)	715	677	540	555	174	122	10	6	21	10	52	33	55	52
Have Clothes Dryer	72.7%	-	95.3%	-	41.9%	35.8%	44.4%	-	36.4%	46.9%	46.3%	-	58.1%	-
Electricity	25.6%	-	22.0%	23.7%	36.6%	33.7%	24.6%	27.9%	55.5%	22.4%	30.4%	25.6%	22.2%	16.9%
Gas, LP gas (liquid propane)	74.4%	-	78.0%	-	63.2%	-	75.4%	-	44.5%	77.6%	69.3%	74.4%	77.8%	83.1%
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Heating Problems														
Uncomfortably cold for 24 hours or more last winter	4.2%	7.5%	2.7%	5.9%	6.6%	10.5%	27.3%	69.6%	5.7%	24.7%	5.4%	10.0%	7.4%	7.9%
Heating equipment breakdowns	1.3%	-	1.2%	-	1.6%	-	21.8%	64.8%	0.6%	5.1%	2.5%	-	3.2%	-
Other causes	2.7%	-	1.5%	-	4.2%	6.7%	8.9%	7.9%	4.4%	17.9%	3.9%	-	3.5%	5.2%

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002
Utility interruption	0.1%	-	<0.1%	-	0.3%	-	5.5%	<0.1%	<0.1%	-	1.1%	-	<0.1%	0.2%
Inadequate heating capacity	0.3%	-	0.2%	-	0.4%	-	0.6%	-	0.7%	-	0.3%	-	0.8%	-
Inadequate insulation	0.7%	-	0.3%	-	1.2%	-	6.7%	<0.1%	<0.1%	5.6%	1.3%	-	0.3%	-
Cost of heating	1.0%	-	0.4%	-	1.8%	-	<0.1%	3.6%	2.7%	6.0%	1.5%	-	2.1%	-
Other	0.9%	-	0.7%	-	1.1%	-	7.2%	5.1%	1.0%	6.9%	1.9%	-	0.5%	-
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SELECTED PHYSICAL PROBLEMS														
Severe Physical Problems(,000)	22	14	6	6	16	8	22	14	.	.	3	2	1	2
Severe physical problems	2.2%	-	1.0%	-	3.8%	-	100%	-	.	.	2.7%	-	0.8%	-
Plumbing	1.7%	-	0.8%	-	3.0%	-	78.0%	37.4%	.	.	0.9%	-	0.4%	-
Heating	0.5%	-	0.2%	-	0.8%	-	21.8%	62.6%	.	.	1.6%	-	0.4%	-
Electric	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	.	.	<0.1%	-	<0.1%	-
Hallways	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	.	.	<0.1%	-	<0.1%	-
Upkeep	0.2%	-	<0.1%	-	0.3%	-	7.2%	<0.1%	.	.	1.2%	-	<0.1%	-
Moderate Physical Problems(,000)	58	21	7	7	50	14	.	.	58	21	7	3	11	1
Moderate physical problems	5.8%	2.2%	1.3%	-	12.1%	4.1%	.	.	100%	-	6.7%	3.8%	12.0%	1.0%
Plumbing	<0.1%	-	<0.1%	-	<0.1%	0.5%	.	.	0.4%	8.5%	<0.1%	0.3%	<0.1%	-
Heating	0.3%	-	0.5%	-	0.1%	-	.	.	5.4%	4.8%	0.1%	-	0.1%	-
Upkeep	5.0%	1.4%	0.7%	-	11.0%	2.8%	.	.	86.3%	62.8%	5.2%	2.0%	11.6%	0.5%
Hallways	<0.1%	-	<0.1%	-	<0.1%	-	.	.	<0.1%	1.1%	<0.1%	0.3%	<0.1%	-
Kitchen	0.5%	-	0.1%	-	0.9%	-	.	.	8.2%	23.9%	1.3%	-	0.3%	-
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OVERALL OPINION OF STRUCTURE														
1(worst)	0.6%	-	0.6%	-	0.6%	-	6.7%	5.6%	1.1%	-	1.4%	-	0.3%	-

<i>Characteristic</i>	<i>Occupied</i>		<i>Owner Occupied</i>		<i>Rental</i>		<i>Severe Problems</i>		<i>Moderate Problems</i>		<i>Below Poverty</i>		<i>Central City</i>	
	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>
	2	0.2%	-	<0.1%	-	0.5%	-	<0.1%	-	<0.1%	-	0.1%	-	<0.1%
3	0.1%	-	<0.1%	-	0.2%	-	0.6%	-	0.2%	-	0.2%	-	<0.1%	0.9%
4	0.4%	-	0.4%	-	0.5%	-	1.1%	-	0.9%	-	0.4%	-	0.6%	-
5	3.5%	5.3%	2.6%	-	4.7%	9.3%	4.9%	10.3%	5.5%	11.3%	3.6%	9.6%	6.7%	9.2%
6	4.9%	5.8%	2.0%	-	8.7%	9.8%	9.4%	7.9%	7.5%	10.4%	4.3%	9.3%	8.5%	6.6%
7	13.5%	17.3%	10.5%	13.6%	17.5%	23.8%	14.7%	11.3%	11.4%	22.9%	17.8%	15.4%	12.7%	16.2%
8	30.1%	31.8%	27.6%	32.4%	33.5%	30.7%	43.6%	39.5%	31.3%	-	25.4%	32.3%	28.3%	32.5%
9	17.9%	15.6%	21.6%	18.1%	12.8%	11.3%	10.8%	6.6%	14.6%	7.8%	13.8%	10.8%	18.6%	15.5%
10(best)	28.8%	22.1%	34.6%	28.2%	21.1%	11.3%	8.3%	17.4%	27.4%	9.1%	33.0%	20.0%	24.2%	17.4%

See <http://nchh.org/Training/HealthyHomesTrainingCenter/AHSData.aspx> for more info.