

**American Housing Survey - Selected Elements Related to Healthy Homes  
San Francisco, CA in 2011 and 1998**

**1998 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	1998	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998
Total Occupied Units(,000)	722	663	354	324	368	340	25	25	34	43	58	<1	354	307
<b>GENERAL</b>														
Owner occupied(,000)	354	324	354	324	.	.	6	4	3	7	9	.	128	102
Renter occupied(,000)	368	340	.	.	368	340	20	22	30	36	49	.	226	205
Owner occupied	49.0%	-	100%	-	.	.	21.7%	14.8%	9.3%	16.6%	15.2%	<0.1%	36.1%	33.3%
Renter occupied	51.0%	-	.	.	100%	-	78.3%	85.2%	90.7%	83.4%	84.8%	<0.1%	63.9%	-
<b>Units in Structure</b>														
1, detached	42.0%	48.2%	70.9%	74.9%	14.1%	22.8%	20.7%	25.4%	4.9%	23.8%	14.8%	0.1%	25.2%	31.0%
1, attached	7.6%	10.2%	9.8%	10.8%	5.6%	9.6%	2.6%	7.0%	1.3%	5.6%	6.2%	0.1%	8.4%	10.2%
2 to 4	16.8%	14.8%	10.0%	7.1%	23.4%	22.1%	27.9%	13.8%	28.1%	-	10.1%	0.1%	24.3%	-
5 to 9	9.3%	7.3%	0.9%	-	17.5%	12.8%	12.0%	10.1%	29.2%	9.5%	16.8%	0.1%	10.2%	9.1%
10 to 19	8.8%	6.8%	2.6%	-	14.8%	11.9%	5.8%	-	15.3%	12.4%	16.4%	0.1%	9.7%	-
20 to 49	7.9%	6.5%	3.8%	-	11.8%	11.1%	16.8%	25.5%	9.0%	-	8.9%	0.1%	11.0%	8.3%
50 or more	7.0%	5.5%	1.4%	-	12.4%	9.4%	14.1%	12.5%	10.4%	-	26.2%	0.1%	11.1%	8.0%
Manufactured /mobile home or trailer	0.5%	-	0.6%	-	0.4%	-	<0.1%	-	1.8%	-	0.7%	-	<0.1%	-
<b>Year Structure Built</b>														
Post-2000	2.6%	-	2.7%	-	2.5%	-	1.0%	-	0.4%	-	3.7%	-	3.8%	-
Post-1980	13.6%	9.6%	14.0%	12.5%	13.3%	6.8%	11.3%	4.7%	10.8%	6.4%	18.8%	0.1%	14.5%	7.0%
Pre-1980	86.4%	-	86.0%	-	86.7%	93.2%	88.7%	95.3%	89.2%	93.6%	81.2%	0.1%	85.5%	93.0%
Pre-1960	57.8%	63.8%	57.6%	61.9%	58.0%	65.6%	59.3%	79.4%	66.5%	75.1%	52.4%	0.1%	70.1%	79.2%
Pre-1940	28.1%	30.4%	23.1%	24.5%	32.9%	36.0%	42.1%	47.4%	46.6%	-	27.1%	0.1%	49.1%	54.2%

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998
	Foundation (for 1-unit not manufactured)													
1-Unit not manufactured(,000)	358	388	286	277	72	110	6	8	2	13	12	<1	119	127
With a basement under all of house	13.9%	16.0%	13.6%	15.9%	15.1%	16.3%	<0.1%	16.5%	22.2%	13.7%	13.8%	0.1%	27.1%	36.0%
With a basement under part of house	8.4%	9.0%	8.3%	9.6%	8.9%	7.4%	2.2%	-	18.3%	10.8%	3.5%	-	10.9%	-
With a crawl space	38.2%	-	41.1%	-	27.0%	21.8%	67.0%	16.1%	21.6%	-	19.9%	0.1%	7.1%	5.0%
On a concrete slab	36.6%	-	34.3%	28.2%	45.5%	51.3%	30.7%	59.2%	32.5%	48.9%	59.8%	0.1%	49.4%	44.0%
In some other way	2.9%	-	2.7%	-	3.6%	-	0.1%	6.1%	5.4%	4.1%	3.1%	-	5.5%	3.9%
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EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	0.7%	-	0.7%	-	0.8%	6.3%	<0.1%	11.7%	9.0%	18.3%	<0.1%	-	0.4%	-
Missing roofing material	1.0%	5.9%	1.1%	5.5%	0.8%	7.1%	3.7%	14.3%	<0.1%	17.6%	2.9%	-	0.5%	5.9%
Hole in roof	0.6%	-	0.5%	-	0.8%	5.9%	1.9%	7.2%	8.6%	18.5%	<0.1%	-	0.3%	-
Missing bricks, siding, other outside wall material	0.5%	-	0.5%	-	0.6%	-	<0.1%	9.5%	8.8%	-	0.9%	-	0.4%	-
Sloping outside walls	0.7%	-	0.6%	-	1.1%	-	<0.1%	9.6%	18.8%	17.0%	1.8%	-	0.6%	-
Boarded up windows	0.3%	-	0.3%	-	0.4%	-	1.8%	9.4%	<0.1%	8.6%	<0.1%	-	0.5%	-
Broken windows	2.1%	-	2.3%	-	1.2%	6.1%	3.8%	18.0%	13.2%	-	15.7%	0.1%	2.5%	-
Bars on windows	9.8%	-	9.3%	-	11.7%	12.4%	6.7%	29.1%	4.0%	14.5%	8.9%	0.1%	22.9%	24.7%
Foundation crumbling or has open crack or hole	3.8%	-	4.2%	-	1.9%	-	<0.1%	9.8%	22.5%	17.9%	9.4%	0.1%	3.9%	-
None of the above	81.3%	69.9%	81.6%	72.9%	79.8%	62.2%	85.6%	50.8%	49.3%	53.0%	63.4%	0.1%	69.4%	56.7%
None of the above(excluding bars)	90.5%	76.4%	90.4%	79.4%	90.8%	68.7%	92.2%	63.7%	49.3%	58.7%	69.6%	0.1%	90.9%	71.6%

<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>1998</i>	<i>2011</i>	<i>1998</i>	<i>2011</i>	<i>1998</i>	<i>2011</i>	<i>1998</i>	<i>2011</i>	<i>1998</i>	<i>2011</i>	<i>1998</i>	<i>2011</i>	<i>1998</i>
<b>Water Leakage During Last 12 Months</b>														
With leakage from outside structure	7.9%	20.3%	6.6%	23.0%	9.2%	17.7%	6.2%	17.6%	20.7%	39.9%	6.9%	0.1%	9.9%	18.5%
Roof	3.5%	11.8%	3.5%	14.0%	3.4%	9.7%	4.4%	12.4%	5.3%	25.4%	3.8%	-	4.0%	9.8%
Basement leak	0.1%	-	0.3%	-	<0.1%	0.7%	<0.1%	1.6%	0.3%	-	<0.1%	-	0.1%	-
Walls, closed windows, or doors leak	3.0%	8.3%	1.4%	8.1%	4.4%	8.4%	2.3%	9.4%	9.6%	23.0%	1.1%	-	4.4%	8.8%
Other or Unknown exterior Leak	1.4%	-	1.7%	-	1.2%	-	0.4%	-	6.8%	5.4%	2.2%	-	1.8%	-
<b>INTERIOR</b>														
<b>Damage</b>														
Holes in floors	0.9%	-	0.7%	-	1.1%	-	1.0%	8.3%	3.3%	7.8%	1.8%	-	1.0%	-
Open cracks or holes	4.2%	7.7%	2.3%	5.4%	6.0%	9.9%	10.8%	17.1%	19.9%	34.2%	3.5%	-	5.8%	9.8%
Broken plaster or peeling paint	2.7%	5.2%	1.1%	-	4.2%	7.2%	4.3%	11.5%	14.4%	25.8%	5.9%	0.1%	3.3%	7.4%
<b>Water Leakage During Last 12 Months</b>														
With leakage from inside structure	6.3%	11.2%	5.0%	8.8%	7.5%	13.6%	7.4%	15.4%	13.9%	29.9%	7.8%	0.1%	6.2%	11.0%
Fixtures backed up or overflowed	2.0%	-	1.4%	-	2.6%	-	1.9%	7.4%	3.9%	13.8%	2.0%	-	1.7%	-
Pipes leaked	2.0%	5.2%	2.1%	-	2.0%	7.0%	3.4%	9.3%	6.8%	15.2%	1.0%	-	2.3%	5.5%
Broken water heater	0.5%	-	0.7%	-	0.3%	-	0.9%	-	0.9%	-	0.5%	-	0.3%	-
Other or Unknown	1.9%	-	0.9%	-	2.8%	-	1.3%	-	3.4%	7.6%	4.4%	-	2.2%	-
<b>Rodents</b>														
Signs of rats in last 3 mon.	1.9%	-	2.8%	-	1.1%	-	1.0%	9.4%	2.3%	10.2%	1.3%	-	2.0%	-

<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>1998</i>	<i>2011</i>	<i>1998</i>	<i>2011</i>	<i>1998</i>	<i>2011</i>	<i>1998</i>	<i>2011</i>	<i>1998</i>	<i>2011</i>	<i>1998</i>	<i>2011</i>	<i>1998</i>
Signs of mice in last 3 mon.	5.9%	7.5%	6.1%	-	5.6%	8.6%	7.4%	15.5%	13.4%	-	8.2%	0.1%	7.6%	9.1%
Signs of rodents, not sure which kind in last 3 mon.	0.5%	-	0.7%	-	0.4%	-	<0.1%	1.6%	1.1%	-	0.6%	-	0.5%	-
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Electrical														
No electrical wiring	0.1%	-	0.1%	-	0.2%	-	<0.1%	-	0.3%	-	0.4%	-	0.3%	-
Exposed wiring	1.0%	-	0.5%	-	1.5%	-	1.3%	-	6.7%	2.5%	2.2%	-	1.4%	-
Rooms without electric outlets	0.6%	-	0.3%	-	0.8%	-	1.9%	5.5%	1.5%	-	2.0%	-	0.9%	-
Fuses/breakers blown in last 3 mon.	7.0%	37.4%	6.4%	46.3%	7.6%	28.7%	5.6%	37.4%	6.6%	41.3%	6.1%	0.1%	6.6%	33.4%
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Sanitation														
Lacking complete kitchen facilities	4.6%	5.6%	0.5%	-	8.6%	10.4%	24.5%	48.2%	81.7%	58.7%	9.9%	0.1%	8.3%	9.9%
Lacking some or all plumbing facilities	2.3%	-	0.9%	-	3.8%	-	67.0%	-	<0.1%	0.4%	6.0%	0.1%	3.5%	5.9%
Water not safe to drink	7.0%	16.1%	4.8%	11.2%	9.2%	20.8%	19.2%	30.5%	24.6%	-	8.1%	0.1%	5.5%	18.7%
Water stoppage in last 3 mon.	4.6%	6.5%	3.0%	5.1%	6.1%	7.8%	15.8%	5.8%	13.2%	-	5.1%	0.1%	5.2%	7.3%
No flush toilets working some time in last 3 mon.	2.8%	-	1.0%	-	4.5%	-	2.2%	-	6.1%	9.0%	3.4%	-	3.7%	-
With sewage disposal breakdowns in last 3 mon.	1.7%	-	1.2%	-	2.1%	-	1.9%	-	1.2%	7.1%	1.4%	-	1.5%	-
Septic tank, cesspool, chemical toilet	1.0%	-	1.3%	-	0.6%	-	<0.1%	4.1%	2.0%	-	1.5%	-	0.1%	-
With septic tank or cesspool breakdowns in last 3 mon.	<0.1%	-	<0.1%	-	<0.1%	0.2%	<0.1%	-	<0.1%	0.8%	<0.1%	-	<0.1%	-
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HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	65.7%	69.2%	79.2%	-	52.7%	55.8%	40.2%	-	42.5%	47.2%	43.5%	0.1%	56.1%	-

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998
Steam or hot water system	7.6%	-	4.0%	-	11.0%	12.4%	19.2%	-	6.7%	14.6%	15.3%	0.1%	11.4%	14.3%
Electric heat pump	0.1%	-	0.2%	-	0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	0.1%	-
Built-in electric units	8.9%	7.0%	3.9%	-	13.8%	10.4%	20.5%	18.6%	14.9%	9.0%	15.5%	0.1%	11.8%	9.4%
Floor, wall, or other built-in hot air without ducts	11.8%	9.5%	8.2%	6.3%	15.2%	12.6%	10.3%	12.6%	13.2%	12.2%	17.2%	0.1%	11.5%	8.8%
Room heaters with flue	2.0%	-	0.9%	-	3.1%	-	0.5%	-	9.4%	4.6%	2.6%	-	3.9%	-
Room heaters without flue	0.1%	-	<0.1%	-	0.2%	-	<0.1%	0.6%	2.9%	-	0.4%	-	0.2%	-
Portable electric heaters	2.0%	-	2.1%	-	1.8%	-	7.6%	3.5%	1.0%	-	4.0%	-	2.8%	-
Stoves	0.2%	-	0.2%	-	0.2%	-	0.4%	-	<0.1%	1.6%	0.2%	-	<0.1%	0.2%
Fireplace with inserts	0.3%	-	0.6%	-	0.1%	-	<0.1%	-	<0.1%	0.4%	<0.1%	-	0.6%	-
Other	0.6%	-	0.4%	-	0.7%	-	0.4%	-	0.8%	-	0.6%	-	0.4%	-
No heating equipment	0.6%	-	0.2%	-	0.9%	-	0.8%	-	8.8%	3.3%	0.7%	-	1.0%	-
Cooking stove	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
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Water Heating Fuel														
Electricity	14.7%	11.9%	4.7%	7.6%	24.3%	16.1%	24.5%	22.0%	23.4%	15.9%	30.8%	0.1%	17.0%	11.5%
Gas, LP/bottled gas	84.6%	-	95.2%	-	74.4%	83.5%	75.0%	-	76.6%	84.1%	68.8%	0.1%	81.8%	88.2%
Fuel oil	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	0.7%	<0.1%	-	0.2%	-	<0.1%	-
Other	0.7%	-	0.1%	-	1.2%	-	0.5%	-	<0.1%	-	0.2%	-	1.2%	-
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Clothes Dryer,(000)	430	372	321	278	109	93	9	5	6	15	15	<1	160	119
Have Clothes Dryer	59.6%	56.0%	90.6%	86.1%	29.7%	27.5%	33.8%	19.5%	18.1%	33.8%	25.9%	0.1%	45.2%	38.7%
Electricity	56.3%	-	52.2%	-	68.2%	62.4%	67.7%	-	59.6%	51.9%	68.0%	0.1%	49.1%	-
Gas, LP gas (liquid propane)	43.4%	-	47.8%	-	30.5%	36.4%	32.3%	30.3%	40.4%	45.6%	32.0%	0.1%	50.1%	-
Other	0.3%	-	<0.1%	-	1.3%	-	<0.1%	-	<0.1%	2.4%	<0.1%	-	0.9%	-
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Heating Problems														

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998
	Uncomfortably cold for 24 hours or more last winter	10.7%	14.2%	8.6%	11.5%	13.1%	17.1%	43.6%	-	32.3%	24.5%	11.2%	0.1%	11.8%
Heating equipment breakdowns	2.4%	-	2.0%	-	2.7%	-	27.8%	31.1%	4.8%	6.7%	1.6%	-	2.2%	-
Other causes	7.0%	8.8%	6.3%	7.8%	7.8%	9.7%	9.3%	13.3%	21.1%	15.4%	7.0%	0.1%	8.2%	7.7%
Utility interruption	0.4%	-	0.9%	-	<0.1%	-	<0.1%	1.7%	<0.1%	1.4%	0.4%	-	<0.1%	0.3%
Inadequate heating capacity	2.2%	-	1.0%	-	3.4%	-	1.2%	7.9%	6.2%	8.5%	1.3%	-	3.0%	-
Inadequate insulation	1.8%	-	1.2%	-	2.4%	-	6.8%	7.2%	2.8%	5.4%	1.1%	-	2.4%	-
Cost of heating	1.5%	-	2.2%	-	0.8%	-	0.4%	-	2.6%	-	1.4%	-	1.4%	-
Other	2.0%	-	1.5%	-	2.5%	-	1.7%	5.1%	11.5%	4.4%	3.9%	-	2.6%	-
<b>SELECTED PHYSICAL PROBLEMS</b>														
Severe Physical Problems(,000)	25	25	6	4	20	22	25	25	.	.	4	.	18	20
Severe physical problems	3.5%	-	1.5%	-	5.4%	6.4%	100%	-	.	.	6.2%	<0.1%	5.0%	6.5%
Plumbing	2.3%	-	0.9%	-	3.8%	-	67.0%	-	.	.	6.0%	<0.1%	3.5%	5.3%
Heating	0.9%	-	0.7%	-	1.2%	-	26.5%	-	.	.	0.3%	<0.1%	1.1%	-
Electric	0.2%	-	<0.1%	-	0.5%	-	6.6%	3.2%	.	.	0.2%	<0.1%	0.5%	-
Hallways	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	0.7%	.	.	<0.1%	<0.1%	<0.1%	-
Upkeep	<0.1%	-	<0.1%	-	0.1%	-	1.0%	-	.	.	<0.1%	<0.1%	0.1%	-
Moderate Physical Problems(,000)	34	43	3	7	30	36	.	.	34	43	5	.	27	29
Moderate physical problems	4.6%	6.5%	0.9%	-	8.3%	10.5%	.	.	100%	-	8.5%	<0.1%	7.7%	9.4%
Plumbing	0.2%	-	0.1%	-	0.2%	-	.	.	3.3%	-	0.6%	<0.1%	0.2%	-
Heating	0.1%	-	<0.1%	-	0.2%	-	.	.	2.9%	-	0.4%	<0.1%	0.2%	-
Upkeep	3.8%	-	0.5%	-	7.0%	-	.	.	81.7%	58.7%	6.4%	<0.1%	6.7%	6.1%
Hallways	<0.1%	0.2%	<0.1%	-	<0.1%	0.4%	.	.	<0.1%	3.5%	<0.1%	<0.1%	<0.1%	0.4%
Kitchen	0.8%	-	0.3%	-	1.4%	-	.	.	18.1%	35.8%	1.4%	<0.1%	1.2%	-

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998
OVERALL OPINION OF STRUCTURE														
1(worst)	0.4%	-	<0.1%	-	0.9%	-	0.9%	-	0.5%	-	0.9%	-	0.7%	-
2	0.3%	-	0.1%	-	0.4%	-	1.4%	-	0.3%	-	0.7%	-	0.3%	-
3	0.6%	-	0.1%	-	1.1%	-	6.9%	2.5%	0.6%	-	0.7%	-	1.0%	-
4	1.1%	-	0.6%	-	1.6%	-	1.4%	6.8%	6.7%	6.0%	1.8%	-	0.8%	-
5	4.2%	8.2%	2.5%	-	5.7%	12.1%	7.4%	22.6%	3.4%	17.1%	10.9%	0.1%	4.8%	8.9%
6	5.5%	7.8%	2.5%	-	8.3%	10.7%	14.1%	-	24.7%	9.7%	3.0%	-	7.2%	8.0%
7	17.2%	-	13.0%	-	21.3%	-	16.8%	14.8%	29.3%	19.7%	13.4%	0.1%	15.9%	19.7%
8	29.4%	25.9%	29.2%	27.1%	29.5%	24.7%	24.9%	14.0%	20.5%	19.3%	31.3%	0.1%	31.2%	25.9%
9	15.2%	-	16.6%	-	13.8%	12.2%	14.8%	6.9%	4.4%	9.3%	11.3%	0.1%	15.1%	13.7%
10(best)	26.2%	22.4%	35.4%	32.1%	17.4%	12.9%	11.4%	-	9.5%	12.1%	26.1%	0.1%	23.2%	18.9%

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