

**American Housing Survey - Selected Elements Related to Health Homes  
1998 Oakland, CA and 1999 National \***

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
Total Occupied Units(,000)	856	102,803	509	68,796	347	34,007	20	2,053	38	4,826		13,955	149	31,131
GENERAL														
Owner occupied(,000)	509	68,796	509	68,796	.	.	5	869	12	2,056		6,083	59	15,512
Renter occupied(,000)	347	34,007	.	.	347	34,007	15	1,184	26	2,769		7,872	90	15,619
Owner occupied	59.4%	-	100%	-	<0.1%	<0.1%	24.4%	42.3%	30.7%	42.6%		43.6%	39.8%	49.8%
Renter occupied	40.6%	-	<0.1%	<0.1%	100%	-	75.6%	57.7%	69.3%	-		56.4%	60.2%	-
Units in Structure														
1, detached	62.7%	-	83.4%	-	32.4%	23.7%	37.5%	45.0%	42.8%	-		44.7%	51.5%	-
1, attached	10.1%	6.8%	8.1%	5.1%	13.0%	10.2%	5.4%	-	2.2%	4.4%		7.7%	2.1%	9.5%
2 to 4	9.5%	-	3.1%	2.1%	18.9%	-	17.0%	13.1%	24.2%	15.1%		13.1%	19.2%	13.7%
5 to 9	5.6%	-	1.2%	0.7%	11.9%	-	8.0%	-	11.5%	7.1%		7.4%	8.7%	-
10 to 19	3.7%	-	0.6%	-	8.2%	11.9%	8.4%	6.5%	5.9%	-		6.2%	5.1%	6.8%
20 to 49	3.4%	-	0.4%	-	7.7%	-	9.3%	-	7.0%	-		5.2%	7.7%	6.0%
50 or more	3.2%	-	0.6%	-	7.1%	-	9.7%	-	4.1%	-		6.0%	5.4%	7.0%
Manufactured /mobile home or trailer	1.9%	6.6%	2.7%	8.2%	0.8%	3.3%	4.7%	-	2.4%	7.4%		9.7%	0.2%	1.1%
Year Structure Built														
Post-2000	<0.1%	-	<0.1%	-	<0.1%	0.0%	<0.1%	0.0%	<0.1%	0.0%		0.0%	<0.1%	0.0%
Post-1980	21.4%	27.9%	25.9%	-	14.8%	23.1%	9.1%	13.0%	14.8%	-		21.1%	9.2%	17.9%
Pre-1980	78.6%	-	74.1%	-	85.2%	-	90.9%	-	85.2%	-		78.9%	90.8%	-
Pre-1960	42.2%	-	38.7%	-	47.2%	-	65.1%	-	57.7%	-		43.9%	68.5%	51.5%
Pre-1940	16.0%	-	13.4%	16.8%	19.8%	-	34.1%	-	34.3%	-		22.8%	40.2%	27.8%

\* = National Statistic only reported if Metropolitan Statistical Area (MSA) is  $\geq 20\%$ (relative) and 0.25% (absolute) different from National.  
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<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>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>
Foundation (for 1-unit not manufactured)														
1-Unit not manufactured(,000)	623	71,499	466	59,969	157	11,530	8	1,036	17	2,545		7,306	80	17,963
With a basement under all of house	4.9%	33.2%	4.4%	35.4%	6.2%	21.4%	11.0%	30.5%	11.8%	14.6%		26.2%	19.8%	33.3%
With a basement under part of house	6.5%	11.5%	7.4%	12.2%	4.0%	7.9%	7.9%	11.0%	14.1%	9.3%		8.4%	22.6%	8.2%
With a crawl space	51.2%	25.8%	55.6%	24.8%	38.4%	-	43.3%	33.1%	39.3%	53.0%		33.3%	35.9%	24.2%
On a concrete slab	34.5%	-	30.7%	-	46.0%	-	27.9%	-	34.9%	21.2%		30.7%	17.0%	33.4%
In some other way	2.8%	0.9%	2.0%	0.8%	5.4%	1.5%	9.9%	1.5%	<0.1%	2.0%		1.4%	4.7%	0.8%
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EXTERIOR														
External Building Conditions														
Sagging roof	4.1%	2.5%	2.9%	2.1%	6.0%	3.2%	15.9%	6.9%	13.4%	9.1%		3.7%	4.8%	2.6%
Missing roofing material	6.1%	3.8%	5.5%	3.3%	7.2%	4.9%	20.5%	9.0%	14.3%	10.7%		5.5%	7.8%	4.4%
Hole in roof	4.2%	1.9%	3.4%	1.5%	5.4%	2.8%	8.6%	6.4%	18.9%	9.6%		3.5%	7.3%	2.3%
Missing bricks, siding, other outside wall material	4.0%	2.5%	2.5%	1.9%	6.2%	3.8%	18.1%	9.0%	13.8%	10.2%		4.1%	6.9%	3.0%
Sloping outside walls	3.2%	1.6%	2.2%	1.2%	4.6%	2.3%	8.8%	-	12.8%	6.4%		2.9%	3.3%	1.8%
Boarded up windows	1.6%	1.0%	0.8%	-	2.6%	1.8%	11.0%	4.2%	6.3%	4.7%		2.2%	3.1%	1.6%
Broken windows	5.6%	4.2%	4.2%	-	7.6%	5.6%	20.4%	12.0%	15.9%	-		7.2%	9.5%	5.1%
Bars on windows	8.8%	4.8%	6.3%	3.6%	12.3%	7.3%	13.4%	8.6%	17.0%	8.6%		7.5%	30.3%	11.4%
Foundation crumbling or has open crack or hole	4.0%	2.9%	3.4%	2.4%	4.9%	3.8%	9.2%	-	16.8%	10.2%		3.9%	5.6%	3.5%
None of the above	66.5%	-	72.8%	-	57.2%	71.3%	36.7%	62.0%	38.8%	56.6%		70.6%	45.1%	70.5%

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<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>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>
Water Leakage During Last 12 Months														
With leakage from outside structure	18.1%	12.3%	19.1%	13.3%	16.7%	10.4%	23.8%	-	53.6%	30.5%		11.0%	23.2%	12.5%
Roof	11.2%	6.4%	12.1%	6.8%	9.8%	5.5%	15.4%	11.1%	40.6%	21.0%		6.9%	12.1%	6.8%
Basement	1.8%	4.2%	2.5%	5.3%	0.9%	1.9%	5.4%	-	6.6%	-		2.2%	4.7%	3.7%
Walls, closed windows, or doors	7.0%	2.7%	6.4%	2.5%	7.8%	3.3%	15.6%	8.1%	26.0%	10.0%		3.0%	9.3%	3.0%
Other or Unknown	2.5%	1.3%	2.2%	1.3%	2.9%	1.3%	2.7%	3.7%	13.2%	4.6%		1.1%	3.2%	1.6%
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INTERIOR														
Damage														
Holes in floors	1.1%	-	0.3%	0.7%	2.2%	-	6.7%	-	7.3%	9.7%		2.9%	2.1%	-
Open cracks or holes	9.2%	5.5%	7.6%	4.0%	11.5%	8.5%	29.9%	18.5%	44.0%	32.1%		9.1%	11.8%	7.7%
Broken plaster or peeling paint	4.5%	2.8%	2.5%	1.8%	7.3%	4.6%	16.7%	11.5%	39.0%	21.3%		4.6%	7.8%	4.1%
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Water Leakage During Last 12 Months														
With leakage from inside structure	13.5%	9.5%	10.9%	8.0%	17.4%	12.7%	26.4%	19.9%	39.5%	27.2%		11.2%	14.5%	11.5%
Fixtures backed up or overflowed	5.9%	3.4%	4.5%	2.9%	7.9%	4.4%	16.9%	8.5%	17.8%	11.5%		4.3%	5.0%	4.0%
Pipes leaked	5.4%	-	3.3%	-	8.6%	-	16.1%	-	22.1%	16.4%		5.9%	7.1%	-
Broken water heater	1.5%	0.9%	1.5%	0.9%	1.4%	0.9%	1.5%	1.8%	8.6%	2.6%		0.9%	1.2%	-
Other or Unknown	2.8%	2.1%	2.4%	1.8%	3.3%	2.6%	8.4%	4.6%	8.1%	6.4%		2.0%	2.6%	-

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	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
<b>Rodents</b>														
Signs of rats in last 3 mon.	2.0%	0.9%	1.9%	0.6%	2.2%	1.5%	9.7%	5.5%	10.0%	5.1%		2.0%	3.3%	1.6%
Signs of mice in last 3 mon.	7.4%	-	6.6%	-	8.6%	-	16.5%	-	14.9%	-		10.3%	9.2%	-
Signs of rodents, not sure which kind in last 3 mon.	0.7%	-	0.6%	0.3%	0.8%	-	1.4%	-	1.4%	-		0.7%	1.5%	0.6%
<b>Electrical</b>														
No electrical wiring	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	1.7%	<0.1%	0.1%		0.2%	<0.1%	-
Exposed wiring	0.5%	-	0.2%	0.5%	1.1%	-	6.4%	2.4%	2.8%	1.6%		0.9%	0.8%	-
Rooms without electric outlets	2.0%	-	1.1%	-	3.3%	2.4%	15.1%	5.7%	8.7%	4.3%		2.6%	4.1%	1.8%
Fuses/breakers blown in last 3 mon.	39.3%	11.3%	47.1%	11.3%	27.9%	11.3%	49.4%	18.6%	43.1%	15.8%		10.1%	34.3%	11.7%
<b>Sanitation</b>														
Lacking complete kitchen facilities	2.5%	1.7%	0.9%	0.6%	4.7%	-	20.0%	11.3%	45.5%	31.3%		3.6%	4.4%	2.7%
Lacking some or all plumbing facilities	1.8%	1.4%	1.6%	1.0%	2.1%	-	47.7%	69.9%	0.6%	0.0%		2.8%	2.5%	1.9%
Water not safe to drink	21.4%	9.9%	19.2%	7.7%	24.5%	14.4%	30.0%	18.7%	34.9%	14.5%		12.2%	23.6%	13.2%
Water stoppage in last 3 mon.	6.4%	4.5%	4.7%	-	8.8%	5.6%	8.2%	-	15.8%	7.1%		5.2%	4.2%	-
No flush toilets working some time in last 3 mon.	4.2%	2.8%	2.6%	1.7%	6.6%	5.0%	5.2%	8.9%	15.6%	10.4%		4.7%	4.4%	-
With sewage disposal breakdowns in last 3 mon.	2.8%	1.8%	2.1%	1.6%	3.8%	2.3%	4.2%	-	8.1%	4.9%		2.2%	3.2%	2.3%
Septic tank, cesspool, chemical toilet	1.5%	22.4%	1.9%	29.3%	0.9%	8.3%	4.3%	14.8%	1.4%	21.2%		18.4%	<0.1%	1.3%
With septic tank or cesspool breakdowns in last 3 mon.	0.1%	0.4%	0.1%	0.5%	0.1%	-	<0.1%	0.4%	<0.1%	0.8%		0.3%	<0.1%	-

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	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
<b>HEATING/FUEL</b>														
Main Heating Equipment														
Warm-air furnace	73.8%	-	84.8%	65.3%	57.8%	-	39.0%	-	53.3%	32.9%		52.8%	62.7%	-
Steam or hot water system	2.6%	12.8%	1.4%	11.0%	4.5%	16.4%	19.0%	23.3%	5.4%	12.2%		12.3%	4.5%	17.8%
Electric heat pump	1.1%	10.7%	0.9%	11.4%	1.5%	9.4%	<0.1%	4.3%	1.2%	3.8%		8.5%	0.9%	8.8%
Built-in electric units	4.4%	-	2.4%	3.3%	7.3%	-	1.1%	4.1%	5.5%	3.9%		6.0%	7.4%	3.8%
Floor, wall, or other built-in hot air without ducts	14.5%	5.2%	8.5%	3.5%	23.3%	8.5%	26.4%	8.3%	24.0%	5.3%		8.4%	18.0%	6.7%
Room heaters with flue	1.3%	-	0.6%	1.4%	2.4%	-	1.1%	3.0%	1.1%	1.6%		3.3%	2.5%	1.2%
Room heaters without flue	0.2%	1.7%	0.1%	1.5%	0.2%	2.1%	1.1%	3.0%	3.6%	35.8%		4.0%	0.2%	1.8%
Portable electric heaters	0.6%	-	0.2%	0.5%	1.3%	-	6.0%	1.3%	1.2%	-		1.4%	0.9%	-
Stoves	0.2%	1.1%	0.3%	1.3%	0.1%	0.6%	<0.1%	4.0%	<0.1%	1.2%		1.4%	0.1%	-
Fireplace with inserts	0.1%	-	0.1%	-	<0.1%	<0.1%	<0.1%	<0.1%	0.6%	<0.1%		0.1%	<0.1%	<0.1%
Fireplace without inserts	0.1%	-	0.1%	-	<0.1%	0.1%	<0.1%	0.3%	0.6%	0.1%		0.1%	0.1%	-
Other	0.5%	-	0.4%	-	0.6%	-	1.1%	0.8%	1.1%	0.5%		0.4%	0.7%	0.3%
No heating equipment	0.4%	-	0.2%	-	0.8%	-	4.1%	1.7%	1.9%	1.4%		0.9%	1.4%	0.9%
Cooking stove	0.1%	-	<0.1%	0.1%	0.2%	-	1.1%	0.7%	0.5%	0.1%		0.2%	0.4%	-
Water Heating Fuel														
Electricity	9.7%	39.3%	7.4%	38.2%	13.0%	41.6%	8.9%	33.4%	10.7%	36.7%		41.9%	8.2%	29.6%
Gas, LP/bottled gas	89.7%	54.9%	92.1%	56.6%	86.2%	51.6%	90.0%	55.4%	89.3%	58.2%		52.9%	91.5%	63.7%
Fuel oil	<0.1%	5.4%	<0.1%	4.9%	<0.1%	6.4%	<0.1%	11.0%	<0.1%	4.6%		4.7%	<0.1%	6.4%
Kerosene or other liquid fuel	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	<0.1%	<0.1%	-		-	<0.1%	-
Other	0.6%	-	0.4%	-	0.8%	0.4%	1.2%	0.2%	<0.1%	0.5%		0.4%	0.3%	-

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Clothes Dryer Fuel(,000)	587	76,454	456	62,738	132	13,716	7	903	19	2,436		7,217	72	18,170
Electricity	65.7%	-	64.9%	-	68.5%	83.0%	58.1%	71.6%	63.0%	82.1%		80.2%	56.1%	70.9%
Gas, LP gas (liquid propane)	34.2%	23.8%	35.1%	25.4%	31.3%	16.9%	41.9%	28.4%	37.0%	17.5%		19.8%	43.9%	29.0%
Other	<0.1%	-	<0.1%	<0.1%	0.2%	-	<0.1%	<0.1%	<0.1%	0.4%		0.1%	<0.1%	0.1%
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Heating Problems														
Uncomfortably cold for 24 hours or more last winter	12.7%	7.1%	8.6%	5.6%	19.7%	11.0%	61.0%	35.9%	27.8%	16.4%		11.2%	17.4%	8.8%
Heating equipment breakdowns	3.3%	2.1%	2.3%	1.5%	4.8%	3.1%	45.8%	25.3%	5.7%	3.2%		3.3%	4.2%	3.2%
Other causes	7.5%	4.2%	5.3%	3.7%	10.6%	5.2%	22.6%	8.8%	16.8%	10.6%		6.2%	9.8%	4.4%
Utility interruption	0.5%	1.5%	0.5%	1.8%	0.4%	0.8%	1.4%	-	<0.1%	1.1%		1.1%	0.5%	0.7%
Inadequate heating capacity	2.9%	1.1%	1.3%	0.6%	5.3%	2.0%	16.7%	4.3%	9.0%	4.8%		2.4%	5.1%	1.7%
Inadequate insulation	2.8%	1.0%	1.4%	0.6%	4.9%	1.6%	13.5%	2.7%	7.6%	3.8%		1.7%	4.6%	1.4%
Cost of heating	1.8%	0.4%	1.5%	0.3%	2.4%	0.5%	5.9%	0.9%	4.6%	1.2%		0.8%	1.8%	0.5%
Other	2.2%	1.0%	2.0%	0.8%	2.7%	1.5%	8.1%	3.4%	4.0%	3.1%		1.9%	3.4%	1.3%
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SELECTED PHYSICAL PROBLEMS														
Severe Physical Problems(,000)	20	2,053	5	869	15	1,184	20	2,053	.	.		598	6	963
Severe physical problems	2.3%	-	0.9%	1.3%	4.3%	-	100%	-	.	.		4.3%	4.3%	3.1%
Plumbing	1.1%	1.4%	0.6%	1.0%	1.8%	2.3%	46.6%	69.9%	.	.		2.8%	1.9%	-
Heating	1.0%	0.5%	0.3%	-	2.2%	0.9%	45.8%	23.9%	.	.		1.1%	2.4%	0.9%
Electric	0.2%	-	0.1%	-	0.3%	-	8.6%	5.1%	.	.		0.3%	0.2%	-
Hallways	<0.1%	-	<0.1%	0.0%	<0.1%	-	<0.1%	0.3%	.	.		0.0%	<0.1%	-
Upkeep	0.1%	-	<0.1%	-	0.2%	-	3.3%	4.4%	.	.		0.4%	0.2%	-

**\* = National Statistic only reported if Metropolitan Statistical Area (MSA) is  $\geq 20\%$ (relative) and 0.25% (absolute) different from National.  
See [www.healthyhometraining.org/ahs/](http://www.healthyhometraining.org/ahs/) for more info.**

**American Housing Survey - Selected Elements Related to Health Homes  
1998 Oakland, CA and 1999 National \***

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
Moderate Physical Problems(,000)	38	4,826	12	2,056	26	2,769	.	.	38	4,826		1,306	10	1,967
Moderate physical problems	4.4%	-	2.3%	3.0%	7.5%	-	.	.	100%	-		9.4%	6.9%	-
Plumbing	0.2%	-	0.1%	-	0.3%	-	.	.	4.0%	-		0.5%	0.1%	-
Heating	0.2%	1.7%	0.1%	1.5%	0.2%	2.0%	.	.	3.6%	35.8%		3.8%	0.2%	1.7%
Upkeep	2.0%	1.5%	0.8%	0.5%	3.7%	-	.	.	45.5%	31.3%		2.8%	3.3%	2.4%
Hallways	0.1%	-	<0.1%	-	0.3%	-	.	.	2.8%	-		0.2%	0.3%	-
Kitchen	2.1%	1.4%	1.2%	0.9%	3.5%	2.4%	.	.	48.7%	30.6%		2.8%	3.3%	2.2%
OVERALL OPINION OF STRUCTURE														
1(worst)	0.6%	-	0.1%	-	1.2%	-	2.3%	4.4%	4.3%	2.8%		1.7%	0.5%	0.9%
2	0.4%	-	0.1%	-	0.9%	-	2.2%	1.2%	1.1%	1.6%		0.8%	1.0%	0.5%
3	1.2%	0.7%	0.5%	-	2.1%	1.6%	7.0%	3.4%	5.3%	3.3%		1.7%	1.0%	-
4	1.8%	1.3%	0.7%	-	3.3%	-	6.2%	4.5%	4.8%	-		2.4%	1.8%	-
5	7.8%	-	4.3%	-	12.8%	-	23.3%	13.9%	10.0%	14.7%		10.6%	11.0%	8.1%
6	6.8%	-	4.6%	-	9.9%	-	14.6%	5.8%	13.1%	8.7%		6.6%	9.0%	7.0%
7	17.8%	14.1%	15.2%	-	21.6%	-	13.9%	17.2%	22.9%	15.1%		13.1%	19.0%	-
8	28.5%	-	30.9%	-	25.0%	-	16.4%	23.5%	18.6%	-		22.6%	24.7%	-
9	13.5%	-	16.4%	-	9.3%	-	8.1%	-	7.7%	-		11.6%	12.7%	-
10(best)	21.8%	27.5%	27.2%	-	14.0%	18.2%	5.9%	18.3%	12.2%	19.0%		29.2%	19.3%	-

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