

**American Housing Survey - Selected Elements Related to Healthy Homes
Seattle, WA in 2009 and 2004**

2004 is only reported if >=5% (relative) and 0.1% (absolute) different from

2009 (otherwise "-" is listed).

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2009	2004	2009	2004	2009	2004	2009	2004	2009	2004	2009	2004	2009	2004
Total Occupied Units(,000)	1,332	992	842	661	489	331	30	15	49	38	128	84	294	289
GENERAL														
Owner occupied(,000)	842	661	842	661	.	.	17	5	15	9	35	30	151	148
Renter occupied(,000)	489	331	.	.	489	331	13	10	34	28	93	55	143	141
Owner occupied	63.2%	66.6%	100%	-	.	.	55.7%	35.5%	30.5%	25.0%	27.7%	35.2%	51.4%	-
Renter occupied	36.8%	33.4%	.	.	100%	-	44.3%	64.5%	69.5%	75.0%	72.3%	64.8%	48.6%	-
Units in Structure														
1, detached	62.6%	-	83.2%	-	27.1%	18.1%	48.9%	42.4%	23.7%	19.8%	29.4%	-	49.1%	-
1, attached	4.3%	-	2.7%	-	7.1%	4.6%	2.4%	5.2%	1.5%	-	5.6%	3.0%	4.4%	-
2 to 4	6.4%	-	2.8%	-	12.5%	15.4%	13.0%	16.5%	9.6%	17.1%	9.8%	8.8%	8.7%	9.9%
5 to 9	5.6%	6.1%	1.6%	-	12.6%	15.0%	10.3%	3.2%	17.9%	21.9%	11.5%	-	3.8%	5.9%
10 to 19	6.9%	7.4%	1.4%	-	16.4%	18.0%	9.7%	9.0%	10.8%	15.8%	12.5%	14.6%	8.9%	-
20 to 49	5.1%	6.3%	1.8%	-	10.7%	15.3%	5.1%	13.4%	19.2%	12.2%	8.8%	10.5%	10.4%	-
50 or more	5.3%	4.5%	1.3%	-	12.2%	11.5%	4.8%	7.5%	16.1%	8.1%	17.9%	12.3%	14.0%	11.3%
Manufactured /mobile home or trailer	3.7%	6.3%	5.1%	8.4%	1.4%	-	5.9%	2.8%	1.3%	-	4.6%	8.7%	0.8%	-
Year Structure Built														
Post-2000	14.4%	8.2%	15.2%	8.4%	13.1%	7.8%	5.2%	8.3%	12.2%	2.9%	12.5%	6.9%	11.2%	7.2%
Post-1980	44.8%	-	46.4%	43.2%	42.1%	45.0%	31.7%	26.9%	56.1%	42.9%	38.2%	-	31.9%	30.1%
Pre-1980	55.2%	-	53.6%	56.8%	57.9%	55.0%	68.3%	73.1%	43.9%	57.1%	61.8%	-	68.1%	-
Pre-1960	25.6%	-	26.1%	-	24.6%	-	40.0%	-	18.2%	26.2%	24.4%	20.2%	51.5%	-
Pre-1940	10.8%	11.7%	9.5%	11.4%	13.2%	12.5%	14.5%	20.1%	11.0%	16.9%	12.3%	9.3%	28.3%	31.1%

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2009	2004	2009	2004	2009	2004	2009	2004	2009	2004	2009	2004	2009	2004
	Foundation (for 1-unit not manufactured)													
1-Unit not manufactured(,000)	891	625	724	550	167	75	15	7	12	8	45	28	157	151
With a basement under all of house	17.0%	24.2%	17.0%	24.3%	16.9%	23.7%	9.3%	37.0%	33.5%	46.4%	14.2%	19.2%	46.6%	51.4%
With a basement under part of house	9.4%	-	10.0%	-	7.0%	11.4%	13.7%	11.5%	<0.1%	13.2%	4.8%	9.6%	16.2%	17.1%
With a crawl space	53.3%	48.5%	55.8%	51.2%	42.6%	28.6%	48.1%	32.8%	42.9%	23.7%	49.8%	42.1%	18.2%	-
On a concrete slab	18.4%	15.4%	15.4%	13.1%	31.7%	-	29.0%	15.5%	23.5%	16.7%	27.6%	-	17.2%	12.1%
In some other way	1.8%	-	1.8%	-	1.8%	-	<0.1%	3.2%	<0.1%	-	3.6%	-	1.8%	-
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EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	2.4%	-	2.3%	-	3.2%	-	4.1%	9.2%	23.2%	20.2%	2.7%	-	2.3%	-
Missing roofing material	7.5%	4.0%	7.5%	4.1%	7.5%	3.0%	27.6%	3.7%	23.2%	8.7%	10.0%	3.6%	7.6%	3.5%
Hole in roof	1.2%	-	1.1%	-	2.0%	-	3.9%	-	17.4%	5.6%	2.6%	-	2.3%	-
Missing bricks, siding, other outside wall material	2.1%	-	2.0%	-	2.4%	-	<0.1%	3.2%	22.5%	14.5%	5.8%	2.5%	3.7%	-
Sloping outside walls	0.7%	-	0.7%	-	0.8%	-	<0.1%	-	6.1%	13.9%	3.0%	-	0.5%	-
Boarded up windows	1.1%	-	1.2%	-	0.8%	-	4.0%	5.6%	11.9%	3.0%	4.4%	-	2.6%	-
Broken windows	2.8%	6.0%	2.2%	5.5%	5.4%	9.7%	7.9%	11.9%	17.4%	36.3%	6.9%	8.0%	3.6%	7.8%
Bars on windows	2.7%	-	2.4%	-	4.2%	-	4.5%	-	<0.1%	-	3.0%	-	9.9%	8.0%
Foundation crumbling or has open crack or hole	2.3%	-	2.2%	-	2.6%	-	<0.1%	3.2%	17.8%	12.3%	1.5%	-	4.2%	-
None of the above	81.9%	-	83.0%	-	76.8%	-	56.1%	76.8%	51.4%	47.5%	73.4%	-	72.9%	-
None of the above(excluding bars)	83.8%	-	84.5%	-	80.5%	-	60.6%	80.7%	51.4%	47.5%	74.9%	-	79.4%	-

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2009	2004	2009	2004	2009	2004	2009	2004	2009	2004	2009	2004	2009	2004
	Water Leakage During Last 12 Months													
With leakage from outside structure	6.7%	8.7%	7.0%	9.4%	6.3%	7.3%	4.4%	6.6%	17.7%	22.8%	6.9%	5.4%	9.2%	10.2%
Roof	3.6%	-	3.7%	-	3.3%	-	4.4%	5.1%	6.6%	11.8%	5.2%	2.9%	4.1%	-
Basement leak	1.2%	-	1.5%	-	0.6%	-	2.3%	-	<0.1%	6.9%	<0.1%	-	3.0%	5.0%
Walls, closed windows, or doors leak	1.6%	-	1.5%	-	1.7%	-	2.3%	-	11.2%	7.5%	1.8%	-	2.9%	-
Other or Unknown exterior Leak	1.0%	-	1.0%	-	1.1%	-	<0.1%	1.7%	3.4%	-	<0.1%	1.3%	1.0%	-
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INTERIOR														
Damage														
Holes in floors	0.5%	-	0.3%	-	1.0%	-	4.8%	-	7.2%	5.4%	0.6%	-	1.7%	-
Open cracks or holes	4.8%	5.6%	4.2%	5.2%	5.8%	6.3%	11.6%	9.1%	14.6%	23.4%	7.5%	3.9%	6.1%	7.9%
Broken plaster or peeling paint	1.7%	-	1.1%	-	2.8%	-	4.5%	9.8%	14.2%	10.3%	3.0%	-	3.5%	-
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Water Leakage During Last 12 Months														
With leakage from inside structure	7.0%	10.3%	5.8%	9.9%	9.0%	11.1%	9.3%	17.5%	19.2%	24.3%	9.7%	8.1%	7.8%	11.1%
Fixtures backed up or overflowed	1.4%	-	1.2%	-	1.7%	-	<0.1%	8.0%	8.4%	-	2.5%	-	2.1%	-
Pipes leaked	2.8%	-	2.5%	-	3.5%	5.1%	7.1%	4.8%	5.3%	13.4%	3.6%	5.3%	2.5%	5.3%
Broken water heater	0.9%	-	0.9%	-	1.0%	-	<0.1%	2.9%	<0.1%	3.5%	1.2%	-	1.4%	-
Other or Unknown	2.4%	-	1.7%	-	3.7%	-	2.6%	6.1%	9.8%	4.9%	4.2%	-	2.4%	-
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Rodents														
Signs of rats in last 3 mon.	1.3%	-	1.4%	-	1.0%	-	2.4%	-	7.8%	-	1.7%	-	1.9%	-

<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>2009</i>	<i>2004</i>	<i>2009</i>	<i>2004</i>	<i>2009</i>	<i>2004</i>	<i>2009</i>	<i>2004</i>	<i>2009</i>	<i>2004</i>	<i>2009</i>	<i>2004</i>	<i>2009</i>	<i>2004</i>
Signs of mice in last 3 mon.	2.2%	-	2.4%	-	1.9%	-	4.9%	-	5.1%	2.4%	1.7%	-	2.1%	-
Signs of rodents, not sure which kind in last 3 mon.	0.5%	-	0.4%	-	0.6%	-	<0.1%	-	3.3%	-	1.2%	-	1.0%	-
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Electrical														
No electrical wiring	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
Exposed wiring	0.2%	-	0.4%	-	<0.1%	0.4%	<0.1%	-	<0.1%	0.6%	<0.1%	0.7%	0.3%	-
Rooms without electric outlets	0.6%	-	0.5%	-	0.7%	-	2.4%	5.8%	<0.1%	7.5%	<0.1%	2.9%	1.0%	-
Fuses/breakers blown in last 3 mon.	11.3%	12.2%	11.6%	12.4%	10.8%	11.8%	14.2%	14.9%	16.2%	10.7%	5.7%	9.9%	12.9%	11.7%
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Sanitation														
Lacking complete kitchen facilities	2.8%	-	1.3%	-	5.4%	6.1%	4.9%	-	73.7%	64.4%	6.8%	4.7%	4.5%	-
Lacking some or all plumbing facilities	1.7%	-	1.5%	-	2.1%	-	77.1%	57.9%	<0.1%	-	3.3%	-	2.9%	-
Water not safe to drink	4.4%	7.6%	3.0%	5.2%	6.6%	12.6%	<0.1%	16.0%	4.4%	12.3%	8.2%	12.8%	3.4%	10.7%
Water stoppage in last 3 mon.	2.0%	-	1.6%	-	2.7%	-	<0.1%	8.4%	9.1%	4.9%	2.3%	-	1.9%	-
No flush toilets working some time in last 3 mon.	1.2%	-	0.7%	-	2.2%	-	<0.1%	1.8%	4.4%	5.7%	2.2%	-	0.8%	-
With sewage disposal breakdowns in last 3 mon.	1.3%	-	1.2%	-	1.6%	-	<0.1%	5.0%	3.1%	5.1%	1.2%	-	1.2%	-
Septic tank, cesspool, chemical toilet	15.9%	-	22.6%	-	4.5%	-	17.7%	12.4%	7.5%	5.7%	8.6%	11.3%	0.8%	-
With septic tank or cesspool breakdowns in last 3 mon.	0.3%	-	0.4%	-	0.3%	-	<0.1%	-	<0.1%	1.5%	<0.1%	-	<0.1%	-
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HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	61.3%	-	73.6%	-	40.0%	31.7%	47.5%	38.9%	35.7%	-	42.2%	39.8%	51.8%	-

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2009	2004	2009	2004	2009	2004	2009	2004	2009	2004	2009	2004	2009	2004
Steam or hot water system	3.2%	-	2.6%	-	4.3%	-	<0.1%	9.5%	2.1%	5.6%	3.2%	-	9.0%	-
Electric heat pump	2.7%	-	3.9%	-	0.7%	-	2.2%	-	<0.1%	1.4%	1.9%	-	1.1%	-
Built-in electric units	24.7%	25.9%	13.6%	12.0%	43.8%	53.8%	31.6%	-	50.4%	46.8%	44.4%	46.7%	29.3%	31.3%
Floor, wall, or other built-in hot air without ducts	4.4%	-	2.3%	-	7.9%	6.4%	9.7%	8.7%	3.0%	-	5.6%	3.9%	5.2%	4.3%
Room heaters with flue	0.5%	-	0.3%	-	0.8%	-	<0.1%	-	<0.1%	1.5%	<0.1%	0.3%	1.3%	-
Room heaters without flue	0.2%	-	0.2%	-	0.3%	-	<0.1%	1.6%	5.8%	4.7%	<0.1%	-	0.2%	-
Portable electric heaters	0.6%	-	0.5%	-	0.7%	-	2.0%	5.0%	2.9%	-	0.5%	-	0.9%	-
Stoves	1.2%	-	1.7%	-	0.4%	-	2.0%	-	<0.1%	-	0.6%	-	<0.1%	0.3%
Fireplace with inserts	0.4%	-	0.6%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	0.3%	0.2%	-
Fireplace without inserts	0.1%	-	<0.1%	0.3%	0.1%	-	<0.1%	-	<0.1%	0.8%	<0.1%	-	<0.1%	0.2%
Other	0.9%	-	0.8%	-	0.9%	-	5.2%	3.6%	<0.1%	1.5%	1.7%	-	0.8%	-
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Water Heating Fuel														
Electricity	60.2%	-	48.6%	-	80.2%	-	72.3%	62.2%	84.0%	-	83.5%	-	66.5%	-
Gas, LP/bottled gas	39.2%	-	51.0%	-	19.0%	16.4%	27.7%	37.8%	14.6%	16.4%	16.5%	-	32.0%	-
Fuel oil	0.3%	-	0.3%	-	0.4%	-	<0.1%	-	1.4%	-	<0.1%	0.3%	0.5%	-
Other	0.3%	-	0.2%	-	0.4%	-	<0.1%	-	<0.1%	0.7%	<0.1%	1.0%	1.0%	-
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Clothes Dryer(,000)	1,148	836	828	643	320	193	24	10	32	23	77	51	218	205
Have Clothes Dryer	86.2%	-	98.3%	-	65.3%	58.3%	80.3%	62.8%	66.2%	60.9%	59.7%	-	74.1%	-
Electricity	92.5%	-	90.6%	-	97.4%	-	93.7%	98.5%	100%	-	96.1%	-	94.6%	-
Gas, LP gas (liquid propane)	7.4%	8.2%	9.3%	9.8%	2.3%	-	6.3%	1.5%	<0.1%	4.6%	3.9%	-	5.1%	6.5%
Other	0.1%	-	0.1%	-	0.2%	-	<0.1%	-	<0.1%	-	<0.1%	-	0.4%	-
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Heating Problems														
Uncomfortably cold for 24 hours or more last winter	14.3%	16.9%	13.6%	16.8%	15.8%	17.3%	37.7%	52.7%	21.4%	19.0%	18.0%	21.2%	8.6%	11.7%

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2009	2004	2009	2004	2009	2004	2009	2004	2009	2004	2009	2004	2009	2004
	Heating equipment breakdowns	2.3%	-	2.0%	-	2.7%	-	25.2%	40.2%	2.8%	-	2.3%	-	1.7%
Other causes	11.3%	12.6%	11.4%	13.2%	11.2%	-	11.9%	19.5%	16.4%	13.0%	13.0%	14.2%	6.2%	7.4%
Utility interruption	6.1%	7.6%	7.7%	9.5%	3.2%	-	5.3%	4.7%	6.8%	6.3%	4.2%	6.0%	1.5%	-
Inadequate heating capacity	1.5%	-	0.6%	-	3.0%	-	<0.1%	-	5.2%	4.7%	2.7%	-	2.1%	-
Inadequate insulation	1.1%	-	0.5%	-	2.1%	-	7.3%	10.2%	2.0%	-	0.7%	-	1.0%	-
Cost of heating	1.6%	-	0.9%	-	2.6%	-	<0.1%	6.5%	6.4%	4.9%	4.5%	-	1.8%	-
Other	2.7%	-	2.7%	-	2.8%	-	<0.1%	9.6%	<0.1%	1.5%	3.1%	-	1.1%	-

SELECTED PHYSICAL PROBLEMS

Severe Physical Problems(,000)	30	15	17	5	13	10	30	15	.	.	5	2	11	5
Severe physical problems	2.2%	-	2.0%	-	2.7%	-	100%	-	.	.	3.8%	-	3.6%	-
Plumbing	1.7%	-	1.5%	-	2.1%	-	77.1%	57.9%	.	.	3.3%	-	2.9%	-
Heating	0.5%	-	0.5%	-	0.6%	-	23.3%	40.2%	.	.	0.6%	-	0.5%	-
Electric	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	1.9%	.	.	<0.1%	-	<0.1%	-
Hallways	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	.	.	<0.1%	-	<0.1%	-
Upkeep	0.1%	-	0.1%	-	<0.1%	-	2.3%	-	.	.	<0.1%	-	0.2%	-
Moderate Physical Problems(,000)	49	38	15	9	34	28	.	.	49	38	10	6	17	13
Moderate physical problems	3.7%	-	1.8%	-	7.0%	8.6%	.	.	100%	-	7.9%	6.8%	5.7%	4.4%
Plumbing	0.1%	-	<0.1%	-	0.3%	-	.	.	2.9%	-	<0.1%	0.3%	<0.1%	-
Heating	0.2%	-	0.2%	-	0.3%	-	.	.	5.8%	4.7%	<0.1%	-	0.2%	-
Upkeep	2.7%	-	1.3%	-	5.1%	6.0%	.	.	73.7%	64.4%	6.2%	4.7%	4.2%	-
Hallways	<0.1%	0.2%	<0.1%	-	<0.1%	0.5%	.	.	<0.1%	4.5%	<0.1%	0.3%	<0.1%	0.3%
Kitchen	0.6%	-	0.3%	-	1.3%	-	.	.	17.6%	24.4%	1.7%	-	1.2%	-

<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>2009</i>	<i>2004</i>	<i>2009</i>	<i>2004</i>	<i>2009</i>	<i>2004</i>	<i>2009</i>	<i>2004</i>	<i>2009</i>	<i>2004</i>	<i>2009</i>	<i>2004</i>	<i>2009</i>	<i>2004</i>
OVERALL OPINION OF STRUCTURE														
1(worst)	0.2%	-	0.2%	-	0.1%	-	<0.1%	3.2%	<0.1%	3.0%	0.6%	-	0.5%	-
2	0.3%	-	0.3%	-	0.3%	-	2.0%	-	<0.1%	2.2%	<0.1%	1.0%	0.3%	-
3	0.5%	-	0.6%	-	0.5%	-	<0.1%	-	<0.1%	-	0.6%	-	0.3%	-
4	1.5%	-	0.9%	-	2.5%	-	2.0%	-	9.1%	3.6%	2.2%	-	1.8%	-
5	5.3%	5.7%	3.6%	-	8.3%	10.3%	7.6%	10.9%	14.3%	5.1%	10.8%	11.7%	4.6%	6.3%
6	6.3%	7.2%	4.3%	6.3%	9.6%	9.0%	7.1%	16.9%	9.7%	10.8%	8.0%	6.7%	7.2%	6.2%
7	17.6%	15.8%	16.0%	13.9%	20.4%	-	26.9%	10.9%	14.6%	19.9%	13.6%	15.0%	20.9%	15.5%
8	30.8%	-	31.6%	-	29.4%	-	32.1%	25.8%	28.4%	-	19.8%	23.5%	33.4%	30.2%
9	15.2%	-	17.0%	-	12.0%	-	10.5%	13.4%	12.7%	17.0%	13.4%	11.0%	13.2%	15.7%
10(best)	22.3%	-	25.5%	-	17.0%	15.1%	11.9%	13.8%	11.1%	10.1%	31.1%	26.5%	17.8%	22.9%

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