

**American Housing Survey - Selected Elements Related to Health Homes
2004 Seattle, WA and 2005 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)	992	108,901	661	74,950	331	33,951	15	2,023	38	4,177	84	15,107	289	31,631
GENERAL														
Owner occupied(,000)	661	74,950	661	74,950	.	.	5	923	9	1,635	30	6,428	148	16,709
Renter occupied(,000)	331	33,951	.	.	331	33,951	10	1,100	28	2,542	55	8,679	141	14,922
Owner occupied	66.6%	-	100%	-	<0.1%	<0.1%	35.5%	45.6%	25.0%	39.1%	35.2%	42.5%	51.2%	-
Renter occupied	33.4%	-	<0.1%	<0.1%	100%	-	64.5%	-	75.0%	-	64.8%	-	48.8%	-
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Units in Structure														
1, detached	59.6%	-	80.3%	-	18.1%	24.4%	42.4%	-	19.8%	41.1%	30.4%	43.5%	49.8%	-
1, attached	3.5%	5.7%	2.9%	5.3%	4.6%	6.4%	5.2%	-	1.5%	2.9%	3.0%	5.6%	2.6%	7.6%
2 to 4	6.4%	-	1.9%	-	15.4%	19.2%	16.5%	12.0%	17.1%	-	8.8%	12.7%	9.9%	12.1%
5 to 9	6.1%	4.5%	1.6%	0.7%	15.0%	-	3.2%	7.8%	21.9%	9.2%	11.8%	7.9%	5.9%	7.1%
10 to 19	7.4%	4.4%	2.0%	0.7%	18.0%	12.3%	9.0%	-	15.8%	9.1%	14.6%	6.2%	8.6%	6.8%
20 to 49	6.3%	3.5%	1.7%	0.6%	15.3%	9.8%	13.4%	6.3%	12.2%	7.8%	10.5%	5.5%	11.0%	6.4%
50 or more	4.5%	-	1.0%	-	11.5%	-	7.5%	-	8.1%	6.3%	12.3%	8.5%	11.3%	9.0%
Manufactured /mobile home or trailer	6.3%	-	8.4%	-	2.1%	4.2%	2.8%	6.2%	3.7%	6.8%	8.7%	-	1.0%	-
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Year Structure Built														
Post-2000	8.2%	-	8.4%	-	7.8%	4.8%	8.3%	2.5%	2.9%	-	6.9%	5.1%	7.2%	5.5%
Post-1980	43.8%	34.5%	43.2%	-	45.0%	27.4%	26.9%	18.0%	42.9%	18.6%	38.0%	26.3%	30.1%	23.2%
Pre-1980	56.2%	-	56.8%	-	55.0%	72.6%	73.1%	-	57.1%	81.4%	62.0%	-	69.9%	-
Pre-1960	26.0%	33.0%	27.2%	-	23.6%	36.4%	41.3%	-	26.2%	48.5%	20.2%	37.0%	53.0%	-
Pre-1940	11.7%	16.2%	11.4%	14.2%	12.5%	20.4%	20.1%	27.7%	16.9%	26.9%	9.3%	18.9%	31.1%	24.4%

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Foundation (for 1-unit not manufactured)														
1-Unit not manufactured(,000)	625	76,187	550	65,704	75	10,484	7	1,037	8	1,837	28	7,409	151	18,167
With a basement under all of house	24.2%	32.8%	24.3%	34.4%	23.7%	-	37.0%	-	46.4%	15.5%	19.2%	27.8%	51.4%	32.5%
With a basement under part of house	9.7%	-	9.5%	11.9%	11.4%	8.5%	11.5%	-	13.2%	7.3%	9.6%	-	17.1%	8.1%
With a crawl space	48.5%	24.9%	51.2%	23.8%	28.6%	-	32.8%	-	23.7%	57.8%	42.1%	33.2%	17.5%	24.0%
On a concrete slab	15.4%	30.3%	13.1%	29.5%	32.3%	-	15.5%	21.2%	16.7%	-	27.1%	-	12.1%	34.8%
In some other way	2.1%	0.5%	1.8%	0.4%	4.0%	1.2%	3.2%	1.7%	<0.1%	0.5%	2.0%	0.9%	1.9%	0.5%
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EXTERIOR														
External Building Conditions														
Sagging roof	2.5%	-	2.7%	1.9%	2.1%	2.8%	7.0%	-	7.6%	-	1.8%	3.4%	2.7%	-
Missing roofing material	3.6%	-	3.8%	-	3.0%	5.0%	3.9%	10.7%	7.7%	-	4.0%	5.8%	3.2%	4.5%
Hole in roof	1.5%	1.9%	1.3%	-	1.7%	3.0%	2.0%	7.9%	3.8%	8.4%	2.7%	3.4%	1.5%	2.5%
Missing bricks, siding, other outside wall material	3.1%	-	2.7%	2.1%	4.0%	-	7.1%	9.4%	8.2%	10.2%	3.8%	4.9%	4.4%	3.1%
Sloping outside walls	1.5%	-	1.4%	0.9%	1.6%	2.2%	2.2%	6.5%	5.0%	7.0%	1.0%	2.5%	1.7%	-
Boarded up windows	0.9%	-	0.7%	-	1.3%	1.7%	2.8%	4.4%	1.5%	4.4%	1.3%	2.4%	1.3%	-
Broken windows	4.9%	3.5%	5.2%	2.9%	4.4%	-	8.1%	10.3%	13.0%	-	5.0%	-	5.9%	4.1%
Bars on windows	3.0%	4.0%	2.4%	-	4.4%	6.6%	9.7%	7.5%	3.9%	8.7%	3.4%	6.3%	9.0%	-
Foundation crumbling or has open crack or hole	2.3%	-	2.2%	-	2.7%	-	5.4%	7.9%	7.6%	-	3.3%	-	3.8%	2.9%
None of the above	80.3%	-	82.4%	-	76.0%	-	69.4%	-	67.9%	-	75.8%	-	71.5%	-

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Water Leakage During Last 12 Months														
With leakage from outside structure	8.7%	10.9%	9.4%	-	7.3%	9.8%	6.6%	18.7%	22.8%	27.6%	5.4%	10.2%	10.2%	-
Roof	4.2%	5.7%	4.6%	5.8%	3.4%	5.4%	5.1%	12.1%	11.8%	18.3%	2.9%	6.0%	4.3%	6.1%
Basement	2.3%	3.5%	2.7%	4.3%	1.5%	1.8%	<0.1%	4.4%	6.9%	5.0%	<0.1%	2.2%	5.0%	2.9%
Walls, closed windows, or doors	2.0%	2.4%	1.7%	2.2%	2.4%	2.9%	<0.1%	7.1%	7.5%	9.1%	1.3%	2.8%	2.1%	2.8%
Other or Unknown	1.7%	1.3%	2.0%	1.2%	1.0%	1.4%	1.7%	2.4%	3.4%	4.7%	1.3%	1.0%	0.9%	1.2%
INTERIOR														
Damage														
Holes in floors	0.6%	0.9%	0.5%	-	0.9%	1.5%	1.7%	5.4%	5.4%	8.2%	1.2%	2.0%	0.6%	1.1%
Open cracks or holes	5.6%	-	5.2%	3.7%	6.3%	-	9.1%	13.9%	23.4%	29.1%	3.9%	7.6%	7.9%	6.2%
Broken plaster or peeling paint	1.5%	2.0%	1.3%	-	1.9%	3.4%	9.8%	7.5%	10.3%	19.0%	3.1%	-	2.0%	3.2%
Water Leakage During Last 12 Months														
With leakage from inside structure	10.3%	-	9.9%	7.0%	11.1%	-	17.5%	-	24.3%	-	8.1%	-	11.1%	-
Fixtures backed up or overflowed	3.3%	-	3.1%	2.2%	3.7%	-	8.0%	-	8.4%	10.3%	1.6%	3.0%	4.7%	3.1%
Pipes leaked	4.6%	3.7%	4.4%	2.7%	5.1%	-	4.8%	9.2%	13.4%	-	5.3%	-	5.3%	-
Broken water heater	1.4%	0.9%	1.5%	1.0%	1.3%	0.8%	2.9%	2.1%	3.5%	-	1.4%	0.8%	1.3%	0.8%
Other or Unknown	2.3%	-	2.3%	1.9%	2.2%	3.0%	6.1%	4.1%	4.9%	7.8%	1.3%	2.2%	1.4%	2.6%

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Rodents														
Signs of rats in last 3 mon.	1.4%	0.9%	1.5%	0.7%	1.3%	-	1.9%	4.6%	7.5%	4.2%	0.9%	1.4%	2.0%	1.4%
Signs of mice in last 3 mon.	3.0%	5.7%	3.4%	5.3%	2.0%	6.6%	3.6%	12.1%	2.4%	12.4%	1.7%	7.3%	1.4%	6.0%
Signs of rodents, not sure which kind in last 3 mon.	0.4%	-	0.5%	0.2%	<0.1%	0.5%	<0.1%	1.0%	0.7%	-	<0.1%	0.6%	0.6%	-
Electrical														
No electrical wiring	<0.1%	-	<0.1%	0.1%	<0.1%	-	<0.1%	1.5%	<0.1%	0.0%	<0.1%	0.1%	<0.1%	-
Exposed wiring	0.4%	0.6%	0.4%	0.6%	0.4%	0.7%	<0.1%	1.9%	0.6%	1.5%	0.7%	1.1%	0.7%	-
Rooms without electric outlets	1.7%	-	1.0%	-	3.0%	1.9%	5.8%	-	7.5%	3.3%	2.9%	-	3.2%	1.8%
Fuses/breakers blown in last 3 mon.	12.2%	9.1%	12.4%	9.0%	11.8%	9.3%	14.9%	-	10.7%	14.3%	9.9%	7.7%	11.7%	-
Sanitation														
Lacking complete kitchen facilities	2.5%	1.6%	0.7%	0.3%	6.1%	4.2%	2.0%	7.4%	64.4%	37.0%	4.7%	3.2%	2.5%	-
Lacking some or all plumbing facilities	0.9%	1.2%	0.3%	0.8%	2.0%	-	57.9%	-	<0.1%	0.0%	2.2%	-	1.1%	1.7%
Water not safe to drink	7.6%	9.2%	5.2%	7.2%	12.6%	-	16.0%	-	12.3%	18.4%	12.8%	-	10.7%	-
Water stoppage in last 3 mon.	3.6%	-	3.5%	2.6%	3.8%	4.6%	8.4%	6.4%	4.9%	7.7%	4.3%	-	2.4%	3.6%
No flush toilets working some time in last 3 mon.	1.6%	2.0%	0.9%	-	3.1%	4.0%	1.8%	5.4%	5.7%	10.0%	3.2%	-	1.9%	2.6%
With sewage disposal breakdowns in last 3 mon.	1.5%	-	1.3%	1.0%	1.8%	-	5.0%	3.1%	5.1%	-	2.2%	1.5%	1.7%	-
Septic tank, cesspool, chemical toilet	16.2%	20.4%	22.4%	-	3.8%	7.9%	12.4%	15.4%	5.7%	17.0%	11.3%	16.5%	0.2%	1.3%
With septic tank or cesspool breakdowns in last 3 mon.	0.4%	-	0.6%	0.3%	0.2%	-	<0.1%	0.8%	1.5%	0.6%	<0.1%	0.3%	<0.1%	-

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HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	60.2%	-	74.4%	-	31.7%	52.5%	38.9%	-	33.9%	-	39.8%	55.3%	50.9%	-
Steam or hot water system	3.4%	11.8%	2.8%	10.3%	4.6%	15.2%	9.5%	21.1%	5.6%	11.7%	3.9%	12.6%	8.6%	16.5%
Electric heat pump	2.2%	11.5%	3.1%	12.1%	0.4%	10.0%	<0.1%	6.6%	1.4%	5.8%	2.4%	9.6%	1.0%	9.1%
Built-in electric units	25.9%	4.3%	12.0%	2.8%	53.8%	7.6%	32.7%	5.6%	46.8%	5.5%	46.7%	5.9%	31.3%	3.6%
Floor, wall, or other built-in hot air without ducts	3.5%	4.7%	2.0%	2.9%	6.4%	8.6%	8.7%	6.8%	2.9%	6.2%	3.9%	7.2%	4.3%	6.5%
Room heaters with flue	0.7%	1.2%	0.7%	1.0%	0.5%	1.6%	<0.1%	2.4%	1.5%	-	0.3%	2.1%	1.1%	-
Room heaters without flue	0.2%	1.2%	0.2%	1.2%	0.2%	1.3%	1.6%	2.7%	4.7%	30.2%	<0.1%	2.7%	0.3%	1.1%
Portable electric heaters	0.6%	-	0.7%	-	0.4%	1.4%	5.0%	2.6%	0.8%	1.6%	1.2%	1.9%	0.7%	1.0%
Stoves	1.6%	0.8%	2.0%	1.0%	0.8%	0.5%	<0.1%	2.5%	<0.1%	0.7%	1.4%	-	0.3%	-
Fireplace with inserts	0.5%	0.1%	0.7%	0.2%	0.1%	-	<0.1%	<0.1%	<0.1%	0.1%	0.3%	-	0.4%	<0.1%
Fireplace without inserts	0.3%	-	0.3%	0.1%	0.2%	-	<0.1%	0.2%	0.8%	0.1%	<0.1%	<0.1%	0.2%	-
Other	1.0%	0.3%	1.0%	0.2%	1.0%	0.4%	3.6%	0.7%	1.5%	0.4%	<0.1%	0.5%	1.0%	0.4%
No heating equipment	<0.1%	0.4%	<0.1%	0.3%	<0.1%	0.6%	<0.1%	1.5%	<0.1%	-	<0.1%	0.6%	<0.1%	0.6%
Cooking stove	<0.1%	0.1%	<0.1%	0.1%	<0.1%	0.2%	<0.1%	0.7%	<0.1%	0.2%	<0.1%	0.2%	<0.1%	0.2%
Water Heating Fuel														
Electricity	61.4%	39.4%	50.7%	37.2%	83.0%	44.1%	62.2%	35.5%	82.9%	39.6%	82.7%	45.8%	66.6%	29.8%
Gas, LP/bottled gas	37.8%	55.4%	48.5%	-	16.4%	49.9%	37.8%	53.8%	16.4%	55.7%	15.9%	49.2%	32.0%	63.8%
Fuel oil	0.4%	4.9%	0.5%	4.6%	0.1%	5.7%	<0.1%	10.1%	<0.1%	4.5%	0.3%	4.7%	0.8%	6.1%
Kerosene or other liquid fuel	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	<0.1%	<0.1%	0.1%	<0.1%	<0.1%	<0.1%	-
Other	0.3%	-	0.3%	-	0.5%	-	<0.1%	0.6%	0.7%	0.1%	1.0%	0.3%	0.5%	-

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Clothes Dryer Fuel(,000)	836	86,192	643	70,363	193	15,829	10	1,063	23	2,182	51	8,546	205	20,203
Electricity	91.8%	-	90.1%	-	97.2%	-	98.5%	76.3%	95.4%	-	96.4%	-	93.5%	73.2%
Gas, LP gas (liquid propane)	8.2%	22.8%	9.8%	24.7%	2.8%	14.4%	1.5%	23.4%	4.6%	17.2%	3.6%	16.5%	6.5%	26.7%
Other	<0.1%	-	<0.1%	-	<0.1%	0.1%	<0.1%	0.3%	<0.1%	<0.1%	<0.1%	0.1%	<0.1%	<0.1%
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Heating Problems														
Uncomfortably cold for 24 hours or more last winter	16.9%	7.4%	16.8%	6.0%	17.3%	11.0%	52.7%	40.4%	19.0%	-	21.2%	10.4%	11.7%	9.1%
Heating equipment breakdowns	3.1%	2.2%	3.2%	1.8%	2.8%	-	40.2%	-	3.6%	2.5%	3.5%	2.8%	3.4%	-
Other causes	12.6%	4.6%	13.2%	4.0%	11.3%	5.8%	19.5%	8.1%	13.0%	-	14.2%	6.7%	7.4%	5.2%
Utility interruption	7.6%	1.5%	9.5%	1.7%	3.8%	0.9%	4.7%	1.4%	6.3%	1.8%	6.0%	1.3%	1.4%	1.1%
Inadequate heating capacity	1.1%	-	0.7%	-	2.0%	-	<0.1%	3.2%	4.7%	-	3.8%	2.1%	1.7%	1.4%
Inadequate insulation	1.8%	0.8%	1.2%	0.5%	2.9%	1.5%	10.2%	3.5%	2.3%	3.6%	2.5%	1.8%	1.9%	1.1%
Cost of heating	2.4%	0.7%	1.8%	0.7%	3.6%	1.0%	6.5%	1.4%	4.9%	2.4%	2.6%	1.3%	2.7%	0.7%
Other	2.4%	1.4%	2.4%	1.1%	2.3%	-	9.6%	2.6%	1.5%	4.5%	3.5%	2.0%	1.8%	-
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SELECTED PHYSICAL PROBLEMS														
Severe Physical Problems(,000)	15	2,023	5	923	10	1,100	15	2,023	.	.	2	583	5	860
Severe physical problems	1.5%	1.9%	0.8%	1.2%	2.9%	-	100%	-	.	.	2.8%	3.9%	1.7%	2.7%
Plumbing	0.9%	1.2%	0.3%	0.8%	2.0%	-	57.9%	-	.	.	2.2%	-	1.1%	1.7%
Heating	0.6%	-	0.5%	-	0.8%	1.2%	40.2%	31.8%	.	.	0.6%	1.2%	0.5%	0.9%
Electric	<0.1%	-	<0.1%	0.1%	0.1%	-	1.9%	3.5%	.	.	<0.1%	0.2%	0.1%	-
Hallways	<0.1%	0.0%	<0.1%	0.0%	<0.1%	0.0%	<0.1%	0.0%	.	.	<0.1%	0.0%	<0.1%	0.0%
Upkeep	<0.1%	-	<0.1%	-	<0.1%	0.1%	<0.1%	2.6%	.	.	<0.1%	0.2%	<0.1%	0.1%

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2004 Seattle, WA and 2005 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	4,177	9	1,635	28	2,542	.	.	38	4,177	6	1,125	13	1,709
Moderate physical problems	3.8%	-	1.4%	2.2%	8.6%	-	.	.	100%	-	6.8%	-	4.4%	5.4%
Plumbing	0.1%	-	<0.1%	-	0.3%	-	.	.	3.5%	-	0.3%	-	0.1%	-
Heating	0.2%	1.2%	0.2%	1.1%	0.2%	1.2%	.	.	4.7%	30.2%	<0.1%	2.5%	0.3%	1.0%
Upkeep	2.5%	1.4%	0.7%	0.3%	6.0%	3.9%	.	.	64.4%	37.0%	4.7%	2.6%	2.5%	-
Hallways	0.2%	-	<0.1%	-	0.5%	-	.	.	4.5%	3.2%	0.3%	-	0.3%	-
Kitchen	0.9%	-	0.5%	-	1.7%	-	.	.	24.4%	-	1.5%	2.0%	1.4%	1.7%
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OVERALL OPINION OF STRUCTURE														
1(worst)	0.4%	-	0.1%	-	0.9%	-	3.2%	-	3.0%	-	1.6%	-	0.5%	-
2	0.6%	-	0.5%	0.2%	0.8%	-	2.8%	1.4%	2.2%	1.7%	1.0%	0.7%	0.6%	-
3	0.7%	-	0.7%	0.3%	0.7%	1.4%	<0.1%	2.0%	<0.1%	2.5%	1.0%	1.4%	0.8%	1.0%
4	1.4%	0.9%	0.7%	0.5%	2.7%	2.0%	2.4%	2.9%	3.6%	-	2.0%	-	1.5%	-
5	5.7%	-	3.4%	-	10.3%	-	10.9%	-	5.1%	13.2%	11.7%	9.1%	6.3%	-
6	7.2%	5.1%	6.3%	3.7%	9.0%	-	16.9%	8.3%	10.8%	8.2%	6.7%	-	6.2%	-
7	15.8%	-	13.9%	-	19.6%	-	10.9%	15.6%	19.9%	-	15.0%	-	15.5%	-
8	30.3%	-	30.8%	-	29.4%	-	25.8%	-	28.3%	-	23.5%	-	30.2%	-
9	15.7%	-	17.8%	-	11.6%	-	13.4%	-	17.0%	9.7%	11.0%	-	15.7%	-
10(best)	22.3%	28.5%	25.8%	32.6%	15.1%	19.7%	13.8%	20.6%	10.1%	18.4%	26.5%	-	22.9%	-

* = 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/ for more info.