

**American Housing Survey - Selected Elements Related to Healthy Homes
Portland, OR-WA 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)	859	748	515	498	344	250	11	10	22	20	90	69	121	204
GENERAL														
Owner occupied(,000)	515	498	515	498	.	.	3	5	2	9	27	25	70	120
Renter occupied(,000)	344	250	.	.	344	250	8	5	19	12	63	45	51	84
Owner occupied	60.0%	66.5%	100%	-	.	.	29.5%	47.6%	10.2%	43.2%	30.5%	35.5%	57.5%	-
Renter occupied	40.0%	33.5%	.	.	100%	-	70.5%	52.4%	89.8%	56.8%	69.5%	64.5%	42.5%	-
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Units in Structure														
1, detached	63.1%	67.1%	86.6%	-	27.9%	-	30.0%	50.5%	30.3%	40.2%	41.8%	-	64.3%	-
1, attached	5.2%	5.9%	3.4%	-	7.9%	13.2%	<0.1%	5.1%	1.3%	5.6%	9.3%	10.2%	3.7%	7.0%
2 to 4	8.4%	6.5%	2.1%	-	17.9%	16.0%	31.4%	7.6%	16.3%	18.6%	12.7%	8.3%	8.3%	-
5 to 9	6.0%	4.4%	0.7%	-	14.0%	11.9%	4.0%	5.6%	13.0%	11.4%	7.8%	9.3%	3.9%	-
10 to 19	6.3%	5.3%	0.5%	-	15.1%	-	7.8%	7.2%	19.7%	6.7%	8.1%	9.9%	5.4%	-
20 to 49	3.7%	-	0.6%	-	8.3%	8.7%	16.1%	12.4%	8.4%	4.8%	7.7%	5.2%	4.9%	6.3%
50 or more	3.5%	-	0.7%	-	7.8%	7.3%	2.5%	-	10.0%	7.3%	5.2%	7.4%	8.7%	5.5%
Manufactured /mobile home or trailer	3.8%	5.1%	5.5%	6.9%	1.1%	-	8.1%	-	1.0%	5.4%	7.5%	-	0.8%	-
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Year Structure Built														
Post-2000	12.1%	4.8%	13.0%	5.6%	10.8%	3.0%	<0.1%	1.8%	4.8%	-	6.4%	2.7%	11.6%	2.8%
Post-1980	38.9%	36.7%	38.8%	-	39.2%	35.2%	17.0%	14.1%	28.8%	23.8%	31.4%	28.4%	23.5%	15.7%
Pre-1980	61.1%	-	61.2%	-	60.8%	64.8%	83.0%	-	71.2%	76.2%	68.6%	-	76.5%	84.3%
Pre-1960	31.1%	-	31.6%	-	30.4%	-	49.7%	58.9%	45.2%	34.8%	29.7%	34.5%	58.0%	62.7%
Pre-1940	13.4%	-	15.0%	-	11.2%	12.5%	21.6%	30.9%	16.7%	18.3%	8.7%	16.2%	31.4%	34.7%

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)	587	545	463	446	123	100	3	6	7	9	46	36	82	144
With a basement under all of house	20.8%	-	21.9%	-	16.7%	-	22.0%	19.7%	37.6%	24.0%	8.5%	18.2%	39.4%	42.7%
With a basement under part of house	11.0%	-	11.9%	11.2%	7.3%	-	9.1%	24.0%	6.6%	12.1%	8.2%	10.3%	20.3%	18.2%
With a crawl space	53.8%	57.6%	55.8%	59.3%	46.4%	50.0%	55.6%	42.7%	46.7%	53.9%	46.4%	-	31.0%	26.7%
On a concrete slab	13.0%	10.1%	9.1%	6.9%	27.4%	24.5%	8.8%	13.7%	9.1%	2.3%	35.8%	20.8%	8.2%	11.0%
In some other way	1.4%	-	1.2%	-	2.3%	-	4.5%	-	<0.1%	7.8%	1.2%	-	1.1%	-
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EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	3.0%	-	2.6%	-	4.8%	-	35.3%	6.1%	16.8%	15.4%	2.2%	-	3.2%	-
Missing roofing material	3.3%	-	3.2%	-	3.9%	-	6.7%	21.6%	2.2%	7.3%	4.3%	6.2%	2.6%	-
Hole in roof	0.6%	-	0.3%	-	2.1%	-	3.3%	13.3%	2.4%	8.9%	0.9%	5.2%	0.5%	-
Missing bricks, siding, other outside wall material	2.3%	-	1.5%	-	5.3%	3.8%	6.7%	16.0%	35.9%	12.0%	5.5%	4.9%	2.8%	-
Sloping outside walls	1.6%	-	1.0%	-	3.9%	-	13.2%	10.0%	8.7%	13.8%	2.4%	-	0.6%	-
Boarded up windows	0.6%	-	0.5%	-	0.9%	-	17.8%	13.0%	2.9%	5.5%	1.8%	-	1.4%	-
Broken windows	6.4%	5.1%	5.3%	4.5%	10.9%	7.7%	23.6%	12.4%	37.3%	8.9%	12.8%	4.3%	5.9%	6.3%
Bars on windows	3.7%	-	4.4%	-	1.2%	-	<0.1%	2.6%	<0.1%	3.7%	1.2%	-	8.9%	10.5%
Foundation crumbling or has open crack or hole	5.7%	3.2%	5.4%	2.8%	7.0%	5.1%	6.7%	11.6%	13.3%	16.1%	3.6%	-	7.8%	5.8%
None of the above	78.6%	-	79.9%	-	73.5%	-	57.5%	52.9%	17.4%	60.1%	75.9%	-	72.5%	-
None of the above(excluding bars)	81.6%	-	83.5%	-	74.3%	78.7%	57.5%	-	17.4%	61.9%	76.4%	-	79.5%	-

<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	8.4%	9.2%	9.2%	10.2%	7.1%	-	13.6%	17.5%	28.9%	32.8%	7.7%	9.6%	12.7%	-
Roof	3.3%	-	4.0%	5.2%	2.2%	-	8.1%	13.7%	6.7%	22.0%	2.9%	5.5%	5.8%	4.9%
Basement leak	2.6%	-	3.3%	-	1.5%	-	1.5%	-	10.4%	7.6%	0.5%	-	4.7%	5.8%
Walls, closed windows, or doors leak	1.9%	-	1.5%	-	2.6%	-	3.8%	-	14.7%	16.9%	4.6%	-	3.0%	-
Other or Unknown exterior Leak	1.3%	-	1.2%	-	1.5%	-	1.4%	-	2.2%	6.6%	0.7%	-	1.1%	-
INTERIOR														
Damage														
Holes in floors	0.6%	-	0.4%	-	0.8%	-	4.0%	8.7%	12.0%	7.3%	0.7%	-	1.0%	-
Open cracks or holes	3.9%	5.1%	3.1%	-	5.2%	6.4%	22.5%	27.4%	22.5%	37.3%	4.6%	5.5%	6.6%	6.2%
Broken plaster or peeling paint	2.0%	-	1.6%	-	2.8%	-	17.4%	15.1%	18.2%	20.4%	4.3%	-	3.1%	-
Water Leakage During Last 12 Months														
With leakage from inside structure	8.9%	9.4%	7.2%	8.5%	11.3%	-	14.9%	21.3%	36.4%	39.5%	13.2%	11.6%	9.1%	10.6%
Fixtures backed up or overflowed	2.6%	-	1.9%	-	3.6%	-	4.0%	10.4%	23.8%	21.7%	4.6%	-	2.7%	-
Pipes leaked	3.7%	-	2.6%	-	5.3%	-	4.5%	15.3%	15.8%	22.8%	5.3%	6.3%	3.8%	5.0%
Broken water heater	0.7%	-	0.6%	-	0.8%	-	2.5%	-	0.9%	-	0.3%	-	0.4%	-
Other or Unknown	2.1%	-	2.1%	-	2.1%	-	6.4%	4.4%	2.3%	7.2%	2.4%	-	2.6%	-
Rodents														
Signs of rats in last 3 mon.	1.0%	-	1.0%	-	1.1%	-	1.2%	-	<0.1%	4.0%	1.2%	-	2.7%	-

<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>
Signs of mice in last 3 mon.	8.4%	5.6%	9.3%	6.0%	7.0%	4.7%	11.1%	22.8%	14.9%	10.0%	11.1%	5.7%	8.1%	5.5%
Signs of rodents, not sure which kind in last 3 mon.	0.7%	-	0.6%	-	0.9%	-	<0.1%	-	1.4%	-	0.9%	-	0.9%	-
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Electrical														
No electrical wiring	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
Exposed wiring	0.9%	-	0.9%	-	1.1%	-	3.6%	-	0.8%	-	1.7%	-	2.0%	-
Rooms without electric outlets	0.9%	-	0.5%	-	1.5%	-	<0.1%	8.9%	0.6%	-	0.6%	-	0.7%	-
Fuses/breakers blown in last 3 mon.	12.9%	11.5%	10.0%	12.0%	17.2%	10.5%	26.2%	28.0%	15.8%	17.5%	18.1%	7.5%	14.5%	11.1%
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Sanitation														
Lacking complete kitchen facilities	2.0%	-	0.1%	-	4.8%	-	29.9%	12.2%	64.2%	48.8%	4.9%	-	1.3%	-
Lacking some or all plumbing facilities	1.0%	-	0.3%	-	2.0%	-	76.7%	55.5%	<0.1%	-	2.2%	-	1.3%	-
Water not safe to drink	5.0%	9.5%	3.5%	7.1%	7.1%	14.2%	7.2%	22.4%	8.4%	21.6%	10.1%	13.9%	3.3%	13.5%
Water stoppage in last 3 mon.	3.6%	-	1.7%	-	6.4%	4.9%	14.9%	8.9%	2.2%	7.6%	6.7%	-	3.4%	-
No flush toilets working some time in last 3 mon.	2.0%	-	1.1%	-	3.5%	-	1.2%	7.8%	11.0%	18.2%	5.7%	-	2.3%	-
With sewage disposal breakdowns in last 3 mon.	0.8%	-	0.4%	-	1.4%	-	<0.1%	-	7.8%	3.8%	2.7%	-	0.9%	-
Septic tank, cesspool, chemical toilet	8.7%	13.9%	12.8%	18.3%	2.6%	5.1%	4.4%	16.7%	4.5%	10.7%	3.8%	7.5%	0.7%	-
With septic tank or cesspool breakdowns in last 3 mon.	0.1%	-	0.1%	-	0.1%	-	<0.1%	-	<0.1%	0.9%	0.2%	-	<0.1%	-
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HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	60.1%	-	76.1%	72.3%	36.1%	34.0%	29.7%	49.3%	37.7%	39.7%	48.0%	44.9%	67.3%	-

<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>
Steam or hot water system	2.1%	-	1.0%	-	3.7%	-	17.4%	12.5%	8.9%	0.9%	1.2%	-	4.5%	-
Electric heat pump	5.3%	6.7%	7.8%	9.3%	1.6%	-	<0.1%	5.3%	2.9%	-	2.4%	-	2.7%	-
Built-in electric units	20.8%	21.9%	8.8%	-	38.6%	47.1%	43.1%	18.0%	36.2%	43.4%	37.4%	34.4%	17.5%	20.1%
Floor, wall, or other built-in hot air without ducts	7.4%	5.2%	2.2%	-	15.2%	9.8%	1.3%	-	10.6%	4.5%	8.4%	-	5.2%	4.2%
Room heaters with flue	0.5%	-	0.6%	-	0.2%	-	<0.1%	-	<0.1%	0.8%	0.4%	-	0.8%	-
Room heaters without flue	0.1%	-	<0.1%	-	0.1%	-	<0.1%	-	2.0%	5.6%	0.2%	-	0.1%	-
Portable electric heaters	1.2%	-	0.5%	-	2.2%	-	4.0%	-	0.7%	-	0.8%	-	0.7%	-
Stoves	1.6%	-	1.7%	-	1.3%	-	1.4%	5.8%	1.0%	-	0.7%	-	0.2%	-
Fireplace with inserts	0.4%	-	0.2%	-	0.6%	-	1.8%	-	<0.1%	-	0.6%	-	0.1%	-
Fireplace without inserts	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	1.7%	<0.1%	-	<0.1%	0.2%
Other	0.6%	-	0.8%	-	0.4%	-	1.4%	-	<0.1%	-	<0.1%	-	0.6%	-
Cooking stove	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	0.3%	0.1%	-
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Water Heating Fuel														
Electricity	59.5%	64.8%	49.0%	55.9%	75.3%	82.5%	78.5%	73.9%	68.4%	76.2%	83.7%	-	54.6%	60.9%
Gas, LP/bottled gas	40.3%	34.7%	50.9%	43.7%	24.2%	16.8%	19.9%	24.1%	31.6%	22.1%	15.9%	19.5%	44.1%	37.8%
Fuel oil	0.1%	-	<0.1%	-	0.3%	-	1.6%	-	<0.1%	-	0.2%	-	0.9%	-
Other	0.1%	-	0.1%	-	0.2%	-	<0.1%	-	<0.1%	1.7%	0.2%	-	0.4%	-
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Clothes Dryer,(000)	722	627	505	481	217	147	5	7	14	13	57	39	93	147
Have Clothes Dryer	84.0%	-	98.0%	-	63.1%	58.6%	42.2%	66.5%	65.7%	-	63.7%	57.0%	76.6%	72.4%
Electricity	92.6%	-	90.9%	-	96.6%	-	100%	-	100%	92.7%	92.9%	98.0%	91.2%	-
Gas, LP gas (liquid propane)	7.4%	5.7%	9.1%	6.6%	3.4%	-	<0.1%	2.6%	<0.1%	7.3%	7.1%	2.0%	8.8%	7.5%
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Heating Problems														
Uncomfortably cold for 24 hours or more last winter	11.1%	9.8%	10.0%	7.9%	13.3%	14.3%	48.2%	62.3%	33.1%	23.1%	21.6%	15.7%	12.0%	-

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
Heating equipment breakdowns	2.9%	-	3.0%	-	2.6%	-	26.9%	44.7%	9.8%	1.9%	3.9%	-	3.0%	-
Other causes	7.1%	-	6.6%	5.4%	7.9%	9.7%	22.1%	-	19.0%	17.8%	14.2%	12.9%	8.0%	-
Utility interruption	1.9%	-	2.5%	-	0.9%	-	1.4%	6.9%	9.8%	3.8%	6.9%	2.6%	0.4%	-
Inadequate heating capacity	1.6%	-	0.7%	-	3.0%	-	2.6%	8.7%	12.8%	2.8%	4.0%	-	1.4%	-
Inadequate insulation	1.2%	-	0.6%	-	2.1%	-	1.4%	14.8%	14.1%	8.7%	3.7%	-	2.2%	-
Cost of heating	2.1%	-	1.6%	-	2.7%	-	2.8%	6.7%	14.2%	7.0%	6.5%	7.1%	3.2%	-
Other	1.8%	-	1.6%	-	2.0%	-	18.1%	4.2%	1.5%	-	1.0%	-	1.6%	-

SELECTED PHYSICAL PROBLEMS

Severe Physical Problems(,000)	11	10	3	5	8	5	11	10	.	.	3	2	2	5
Severe physical problems	1.3%	-	0.6%	-	2.3%	-	100%	-	.	.	2.9%	-	1.8%	-
Plumbing	1.0%	-	0.3%	-	2.0%	-	76.7%	55.5%	.	.	2.2%	-	1.3%	-
Heating	0.3%	-	0.3%	-	0.3%	-	22.0%	42.6%	.	.	0.7%	-	0.5%	-
Electric	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	1.8%	.	.	<0.1%	-	<0.1%	-
Hallways	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	.	.	<0.1%	-	<0.1%	-
Upkeep	<0.1%	-	<0.1%	-	0.1%	-	2.5%	-	.	.	0.2%	-	<0.1%	-
Moderate Physical Problems(,000)	22	20	2	9	19	12	.	.	22	20	7	3	3	6
Moderate physical problems	2.5%	-	0.4%	-	5.6%	4.6%	.	.	100%	-	7.9%	4.9%	2.4%	-
Plumbing	0.2%	-	<0.1%	0.2%	0.6%	-	.	.	9.7%	11.2%	2.2%	-	0.1%	-
Heating	0.1%	-	<0.1%	-	0.1%	-	.	.	2.0%	5.6%	0.2%	-	0.1%	-
Upkeep	1.6%	-	0.1%	-	3.9%	-	.	.	64.2%	48.8%	4.9%	-	1.2%	-
Hallways	<0.1%	-	<0.1%	-	<0.1%	0.2%	.	.	<0.1%	2.9%	<0.1%	0.3%	<0.1%	-
Kitchen	0.8%	-	0.3%	-	1.6%	-	.	.	32.4%	34.7%	2.7%	-	1.1%	-

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
OVERALL OPINION OF STRUCTURE														
1(worst)	0.5%	-	<0.1%	0.2%	1.3%	-	16.1%	0.1%	0.6%	-	0.5%	-	0.2%	-
2	0.4%	-	0.1%	-	0.8%	-	2.4%	5.6%	1.3%	-	1.0%	-	0.1%	-
3	0.5%	-	0.2%	-	1.0%	-	<0.1%	3.7%	<0.1%	5.2%	0.7%	-	0.9%	-
4	1.1%	-	0.4%	-	2.2%	-	2.9%	5.9%	8.3%	4.6%	1.2%	-	0.9%	-
5	4.7%	6.8%	3.2%	-	7.0%	10.3%	5.5%	28.8%	19.8%	15.2%	11.9%	-	3.9%	7.4%
6	5.8%	7.0%	4.8%	5.2%	7.2%	10.5%	3.6%	8.4%	6.3%	10.6%	8.6%	6.8%	7.0%	-
7	15.8%	16.9%	12.6%	14.6%	20.5%	-	25.2%	13.4%	10.8%	17.8%	16.5%	-	19.0%	-
8	28.4%	-	28.7%	-	27.9%	-	24.3%	15.7%	30.9%	24.5%	20.6%	22.7%	29.6%	-
9	17.4%	14.2%	19.4%	16.6%	14.4%	9.5%	9.4%	11.4%	9.0%	-	14.4%	9.7%	17.5%	15.5%
10(best)	25.3%	22.5%	30.6%	27.1%	17.6%	13.4%	10.7%	7.3%	12.9%	10.2%	24.6%	26.2%	20.9%	18.8%

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