

**American Housing Survey - Selected Elements Related to Healthy Homes
Washington, DC-MD-VA in 2007 and 1998**

1998 is only reported if >=5% (relative) and 0.1% (absolute) different from 2007 (otherwise "-" is listed).

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998
Total Occupied Units(,000)	1,949	1,673	1,330	1,078	620	594	27	24	47	68	138	<1	247	226
GENERAL														
Owner occupied(,000)	1,330	1,078	1,330	1,078	.	.	16	7	22	21	43	.	111	94
Renter occupied(,000)	620	594	.	.	620	594	11	17	25	48	95	.	136	132
Owner occupied	68.2%	64.5%	100%	-	.	.	57.8%	29.8%	46.1%	30.1%	30.9%	<0.1%	44.9%	41.5%
Renter occupied	31.8%	35.5%	.	.	100%	-	42.2%	70.2%	53.9%	69.9%	69.1%	<0.1%	55.1%	58.5%
Units in Structure														
1, detached	50.9%	-	68.3%	-	13.6%	18.9%	26.6%	44.3%	30.6%	26.5%	23.3%	0.1%	14.1%	20.0%
1, attached	19.7%	21.7%	21.9%	20.6%	15.0%	23.8%	20.5%	-	9.6%	20.9%	22.4%	0.1%	30.9%	27.7%
2 to 4	2.3%	-	0.8%	-	5.4%	6.5%	3.7%	6.9%	4.0%	6.8%	4.4%	-	8.2%	9.1%
5 to 9	4.5%	-	0.9%	-	12.3%	7.3%	8.0%	5.1%	8.5%	7.8%	8.6%	0.1%	6.3%	4.1%
10 to 19	9.4%	8.9%	2.7%	-	23.6%	21.9%	13.5%	-	21.8%	20.7%	10.9%	0.1%	8.6%	11.5%
20 to 49	1.9%	-	0.5%	-	4.9%	-	7.4%	5.6%	6.5%	5.7%	7.4%	0.1%	5.6%	6.2%
50 or more	10.3%	7.9%	3.8%	-	24.3%	17.1%	20.4%	3.2%	19.1%	10.8%	21.1%	0.1%	26.3%	21.3%
Manufactured /mobile home or trailer	1.0%	-	1.0%	-	1.0%	-	<0.1%	2.5%	<0.1%	0.8%	1.9%	-	<0.1%	-
Year Structure Built														
Post-2000	10.4%	<0.1%	12.0%	<0.1%	7.1%	<0.1%	<0.1%	-	1.1%	-	5.5%	0.1%	1.6%	-
Post-1980	42.1%	32.5%	47.4%	38.4%	30.7%	21.6%	19.3%	17.6%	27.4%	-	33.6%	0.1%	10.6%	7.1%
Pre-1980	57.9%	67.5%	52.6%	61.6%	69.3%	78.4%	80.7%	-	72.6%	-	66.4%	0.1%	89.4%	-
Pre-1960	27.1%	32.0%	25.4%	30.0%	30.6%	35.5%	51.5%	48.2%	52.2%	37.4%	35.4%	0.1%	73.3%	77.7%
Pre-1940	9.8%	-	9.8%	-	9.6%	-	4.0%	14.0%	25.8%	12.4%	16.6%	0.1%	43.5%	41.1%

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998
Foundation (for 1-unit not manufactured)														
1-Unit not manufactured(,000)	1,376	1,236	1,199	983	177	253	13	16	19	32	63	<1	111	108
With a basement under all of house	60.0%	56.5%	62.6%	-	41.9%	35.2%	34.4%	41.9%	86.1%	50.9%	51.1%	0.1%	65.7%	-
With a basement under part of house	14.1%	11.1%	14.7%	12.1%	10.4%	7.0%	28.6%	5.4%	5.0%	10.5%	4.3%	-	11.6%	8.6%
With a crawl space	8.9%	8.0%	8.8%	8.2%	9.9%	7.4%	21.2%	2.7%	4.5%	-	7.1%	0.1%	4.8%	-
On a concrete slab	15.4%	22.5%	12.7%	16.4%	33.6%	46.1%	15.8%	41.6%	4.4%	27.1%	35.9%	0.1%	16.1%	21.2%
In some other way	1.6%	-	1.2%	-	4.2%	-	<0.1%	8.4%	<0.1%	6.9%	1.6%	-	1.9%	-
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EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	2.0%	-	2.1%	-	1.0%	-	9.0%	14.9%	9.5%	4.1%	1.7%	-	1.0%	-
Missing roofing material	6.1%	3.9%	6.0%	3.9%	7.0%	4.1%	16.3%	10.9%	4.6%	8.0%	4.9%	-	4.6%	5.5%
Hole in roof	1.1%	-	1.1%	-	0.5%	-	<0.1%	8.3%	5.1%	7.0%	<0.1%	-	1.9%	5.6%
Missing bricks, siding, other outside wall material	2.2%	-	2.3%	-	1.4%	-	8.4%	13.1%	13.8%	9.5%	2.8%	-	<0.1%	4.3%
Sloping outside walls	1.1%	-	0.9%	-	2.1%	-	<0.1%	10.7%	<0.1%	5.7%	<0.1%	-	1.0%	-
Boarded up windows	0.3%	-	0.4%	-	<0.1%	0.7%	6.8%	5.3%	<0.1%	2.7%	<0.1%	-	<0.1%	-
Broken windows	2.1%	-	2.2%	-	1.6%	-	6.8%	16.3%	19.3%	8.5%	1.1%	-	2.7%	-
Bars on windows	7.5%	-	7.3%	6.7%	9.0%	-	<0.1%	8.5%	36.1%	15.5%	20.7%	0.1%	49.3%	46.4%
Foundation crumbling or has open crack or hole	1.0%	-	0.9%	-	1.7%	-	<0.1%	13.8%	<0.1%	7.3%	1.8%	-	1.8%	-
None of the above	80.3%	-	80.9%	-	76.6%	72.7%	71.2%	53.4%	45.6%	53.6%	67.7%	0.1%	43.4%	-
None of the above(excluding bars)	86.1%	-	86.3%	-	84.8%	78.3%	71.2%	61.9%	66.5%	61.4%	86.0%	0.1%	86.4%	76.8%

<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>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>
Water Leakage During Last 12 Months														
With leakage from outside structure	10.7%	15.5%	12.2%	17.3%	7.4%	12.3%	11.5%	22.0%	41.3%	-	8.7%	0.1%	11.1%	14.5%
Roof	4.1%	6.9%	4.3%	7.4%	3.7%	6.0%	7.9%	10.0%	21.6%	27.2%	4.3%	-	6.5%	8.1%
Basement leak	4.0%	5.7%	5.2%	7.5%	1.3%	-	3.5%	6.4%	17.4%	14.6%	1.5%	-	2.2%	-
Walls, closed windows, or doors leak	2.6%	-	3.1%	-	1.8%	-	4.3%	8.6%	17.3%	18.9%	2.3%	-	2.2%	-
Other or Unknown exterior Leak	1.7%	-	2.0%	-	1.1%	-	<0.1%	6.5%	9.8%	4.2%	1.4%	-	2.7%	-
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INTERIOR														
Damage														
Holes in floors	0.6%	-	0.6%	-	0.7%	-	3.5%	18.0%	12.2%	13.9%	<0.1%	-	1.3%	-
Open cracks or holes	4.5%	7.4%	4.3%	5.7%	5.0%	10.6%	18.4%	29.2%	40.9%	-	4.8%	-	7.6%	11.4%
Broken plaster or peeling paint	2.9%	-	2.3%	-	4.2%	5.4%	14.5%	20.3%	34.7%	27.2%	3.5%	-	7.5%	10.6%
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Water Leakage During Last 12 Months														
With leakage from inside structure	11.5%	14.6%	10.9%	11.8%	12.8%	19.7%	20.6%	32.6%	42.2%	37.5%	8.6%	0.1%	12.0%	17.4%
Fixtures backed up or overflowed	3.0%	-	2.9%	-	3.3%	6.3%	8.4%	15.3%	18.4%	-	1.5%	-	5.2%	6.6%
Pipes leaked	5.2%	7.1%	4.8%	-	6.2%	11.6%	8.0%	22.3%	28.3%	20.9%	3.7%	-	4.9%	8.3%
Broken water heater	0.5%	-	0.5%	-	0.6%	-	<0.1%	2.7%	<0.1%	1.9%	<0.1%	-	<0.1%	1.3%
Other or Unknown	4.1%	-	3.7%	-	4.9%	-	7.5%	4.7%	18.4%	8.2%	4.9%	-	4.5%	5.3%
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Rodents														
Signs of rats in last 3 mon.	0.5%	-	0.3%	-	0.9%	-	4.1%	9.5%	13.3%	4.6%	<0.1%	-	2.1%	-

<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>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>
Signs of mice in last 3 mon.	6.4%	5.6%	6.0%	4.9%	7.4%	6.8%	17.9%	11.6%	18.7%	15.1%	10.0%	0.1%	15.9%	9.9%
Signs of rodents, not sure which kind in last 3 mon.	0.3%	-	0.1%	-	0.6%	-	<0.1%	-	<0.1%	1.6%	<0.1%	-	0.5%	-
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Electrical														
No electrical wiring	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	1.7%	<0.1%	-	<0.1%	-	<0.1%	-
Exposed wiring	1.0%	-	0.9%	-	1.1%	-	3.1%	-	<0.1%	0.6%	1.5%	-	0.8%	-
Rooms without electric outlets	1.3%	-	0.9%	-	2.0%	-	6.8%	12.4%	<0.1%	5.3%	2.2%	-	1.6%	-
Fuses/breakers blown in last 3 mon.	12.4%	36.2%	13.8%	43.2%	9.4%	23.6%	9.8%	41.4%	15.4%	36.8%	8.7%	0.1%	9.1%	29.6%
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Sanitation														
Lacking complete kitchen facilities	1.1%	-	0.3%	-	2.7%	-	<0.1%	6.6%	46.1%	-	1.1%	-	2.5%	-
Lacking some or all plumbing facilities	0.8%	-	0.6%	-	1.2%	-	56.7%	42.0%	<0.1%	-	0.7%	-	1.2%	-
Water not safe to drink	10.6%	17.4%	8.5%	13.1%	15.2%	25.2%	30.1%	18.0%	19.7%	33.0%	15.0%	0.1%	28.7%	45.6%
Water stoppage in last 3 mon.	4.3%	6.7%	3.2%	-	6.7%	10.9%	7.7%	17.7%	<0.1%	16.9%	5.9%	0.1%	5.0%	6.0%
No flush toilets working some time in last 3 mon.	1.5%	-	1.0%	-	2.6%	8.0%	7.1%	16.3%	14.6%	18.8%	2.3%	-	2.1%	5.6%
With sewage disposal breakdowns in last 3 mon.	0.7%	-	0.8%	-	0.3%	-	3.1%	8.9%	6.2%	3.2%	0.7%	-	0.4%	-
Septic tank, cesspool, chemical toilet	9.3%	-	12.4%	-	2.5%	-	3.2%	-	1.5%	6.8%	5.9%	0.1%	0.4%	-
With septic tank or cesspool breakdowns in last 3 mon.	<0.1%	-	0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
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HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	66.8%	63.2%	69.3%	-	61.7%	58.2%	62.2%	57.1%	57.1%	-	61.7%	0.1%	49.1%	42.0%

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998
Steam or hot water system	9.6%	13.1%	8.1%	10.0%	12.8%	18.7%	22.0%	30.6%	21.7%	-	13.1%	0.1%	32.7%	44.6%
Electric heat pump	19.2%	-	19.4%	20.8%	18.6%	-	12.2%	7.1%	12.7%	-	18.0%	0.1%	13.0%	11.0%
Built-in electric units	1.9%	-	1.7%	-	2.3%	-	<0.1%	-	<0.1%	3.9%	2.0%	-	1.6%	-
Floor, wall, or other built-in hot air without ducts	1.5%	-	0.8%	-	2.9%	-	3.6%	-	4.4%	-	1.6%	-	2.5%	-
Room heaters with flue	0.2%	-	0.1%	-	0.3%	-	<0.1%	1.7%	<0.1%	-	0.6%	-	0.3%	-
Room heaters without flue	0.1%	-	<0.1%	-	0.2%	-	<0.1%	-	2.3%	-	<0.1%	-	<0.1%	-
Portable electric heaters	0.2%	-	0.2%	-	0.4%	-	<0.1%	1.7%	<0.1%	-	<0.1%	-	0.8%	-
Stoves	0.1%	-	0.2%	-	<0.1%	0.3%	<0.1%	1.7%	<0.1%	0.5%	0.7%	-	<0.1%	-
Other	0.1%	-	0.1%	-	0.1%	-	<0.1%	-	<0.1%	0.7%	0.6%	-	<0.1%	0.2%
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Water Heating Fuel														
Electricity	44.0%	-	42.1%	-	48.0%	-	39.1%	48.3%	36.0%	40.5%	48.8%	0.1%	30.9%	28.4%
Gas, LP/bottled gas	54.0%	-	55.7%	-	50.4%	-	60.9%	47.8%	61.5%	54.6%	48.8%	0.1%	67.5%	-
Fuel oil	1.7%	-	1.9%	-	1.1%	-	<0.1%	3.9%	2.5%	-	1.7%	-	1.5%	-
Other	0.3%	-	0.2%	-	0.5%	-	<0.1%	-	<0.1%	1.9%	0.7%	-	<0.1%	0.2%
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Clothes Dryer,(000)	1,529	1,222	1,254	989	275	233	12	10	28	32	75	<1	120	90
Have Clothes Dryer	78.4%	73.1%	94.3%	-	44.4%	39.2%	43.0%	39.8%	59.4%	47.2%	54.2%	0.1%	48.4%	39.6%
Electricity	88.6%	-	87.8%	-	92.2%	-	92.5%	86.9%	89.7%	84.1%	89.8%	0.1%	83.1%	76.9%
Gas, LP gas (liquid propane)	11.4%	14.0%	12.1%	15.0%	7.8%	10.1%	7.5%	13.1%	10.3%	15.9%	10.2%	0.1%	16.9%	23.1%
Other	0.1%	-	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	9.4%	7.4%	9.3%	5.9%	9.8%	10.4%	48.4%	65.0%	13.9%	14.7%	14.2%	0.1%	12.0%	-
Heating equipment breakdowns	2.9%	-	2.5%	-	3.7%	-	43.3%	52.6%	6.2%	3.9%	4.5%	-	4.2%	-
Other causes	6.1%	3.7%	6.6%	3.3%	4.9%	-	7.7%	9.7%	6.4%	8.4%	8.6%	0.1%	7.5%	5.9%

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998
Utility interruption	2.4%	-	3.3%	-	0.6%	-	3.9%	-	2.1%	-	1.5%	-	0.4%	-
Inadequate heating capacity	1.2%	-	0.7%	-	2.1%	-	<0.1%	2.1%	2.4%	-	3.1%	-	3.9%	-
Inadequate insulation	0.9%	-	0.6%	-	1.5%	-	<0.1%	6.5%	<0.1%	1.4%	<0.1%	-	1.8%	-
Cost of heating	0.9%	-	1.1%	-	0.5%	-	4.1%	-	<0.1%	3.2%	2.5%	-	0.4%	-
Other	1.6%	-	1.6%	-	1.5%	-	4.1%	-	2.2%	-	2.8%	-	3.1%	-
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SELECTED PHYSICAL PROBLEMS														
Severe Physical Problems(,000)	27	24	16	7	11	17	27	24	.	.	3	.	5	7
Severe physical problems	1.4%	-	1.2%	-	1.8%	-	100%	-	.	.	2.2%	<0.1%	2.1%	-
Plumbing	0.8%	-	0.6%	-	1.2%	-	56.7%	42.0%	.	.	0.7%	<0.1%	1.2%	-
Heating	0.6%	-	0.6%	-	0.7%	-	43.3%	52.6%	.	.	1.5%	<0.1%	0.9%	-
Electric	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	.	.	<0.1%	<0.1%	<0.1%	-
Hallways	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	.	.	<0.1%	<0.1%	<0.1%	-
Upkeep	<0.1%	-	<0.1%	-	<0.1%	0.2%	<0.1%	7.2%	.	.	<0.1%	<0.1%	<0.1%	0.2%
Moderate Physical Problems(,000)	47	68	22	21	25	48	.	.	47	68	4	.	14	15
Moderate physical problems	2.4%	-	1.6%	-	4.1%	8.0%	.	.	100%	-	3.1%	<0.1%	5.8%	6.8%
Plumbing	0.1%	-	0.2%	-	<0.1%	0.8%	.	.	6.2%	8.3%	0.7%	<0.1%	<0.1%	1.0%
Heating	0.1%	-	<0.1%	-	0.2%	-	.	.	2.3%	-	<0.1%	<0.1%	<0.1%	-
Upkeep	1.1%	-	0.3%	-	2.7%	-	.	.	46.1%	-	1.1%	<0.1%	2.5%	-
Hallways	<0.1%	-	<0.1%	-	<0.1%	0.3%	.	.	<0.1%	3.3%	<0.1%	<0.1%	<0.1%	0.8%
Kitchen	1.2%	-	1.1%	-	1.3%	-	.	.	49.5%	43.7%	1.3%	<0.1%	3.3%	-
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OVERALL OPINION OF STRUCTURE														
1(worst)	0.4%	-	0.1%	-	0.9%	-	4.4%	7.0%	2.1%	-	<0.1%	-	1.4%	-

<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>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>
	2	0.4%	-	0.4%	-	0.5%	-	<0.1%	1.9%	<0.1%	2.0%	<0.1%	-	1.2%
3	0.7%	-	0.6%	-	0.8%	-	6.5%	2.6%	<0.1%	2.8%	<0.1%	-	0.4%	-
4	1.0%	-	0.6%	-	1.8%	-	3.2%	7.3%	<0.1%	3.5%	0.8%	-	1.3%	-
5	4.1%	5.8%	2.6%	-	7.5%	8.6%	<0.1%	16.1%	6.9%	11.1%	7.6%	0.1%	6.3%	7.1%
6	5.1%	6.4%	3.4%	-	8.6%	10.3%	10.5%	1.7%	11.1%	10.1%	6.9%	0.1%	6.2%	6.9%
7	13.5%	17.0%	11.0%	13.8%	18.7%	22.7%	32.2%	17.9%	18.9%	22.4%	16.2%	0.1%	12.0%	17.6%
8	27.7%	-	27.0%	29.4%	29.2%	26.7%	14.1%	25.5%	27.6%	25.2%	27.5%	0.1%	32.2%	25.8%
9	19.2%	15.4%	20.7%	18.3%	15.9%	10.0%	8.1%	9.2%	15.4%	6.6%	10.0%	0.1%	16.6%	14.2%
10(best)	27.9%	24.4%	33.5%	29.1%	16.1%	-	21.1%	11.1%	18.0%	13.0%	31.0%	0.1%	22.5%	-

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