

**American Housing Survey - Selected Elements Related to Healthy Homes  
Milwaukee, WI 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)	623	585	392	372	231	213	13	10	41	29	98	59	279	224
<b>GENERAL</b>														
Owner occupied(,000)	392	372	392	372	.	.	8	4	8	6	26	16	142	104
Renter occupied(,000)	231	213	.	.	231	213	5	6	33	23	73	43	137	120
Owner occupied	62.9%	-	100%	-	.	.	61.6%	39.9%	19.3%	21.2%	26.1%	-	50.8%	46.4%
Renter occupied	37.1%	-	.	.	100%	-	38.4%	60.1%	80.7%	-	73.9%	-	49.2%	53.6%
<b>Units in Structure</b>														
1, detached	56.9%	-	83.4%	-	11.9%	-	51.7%	39.1%	10.1%	12.2%	28.6%	30.8%	44.9%	-
1, attached	4.0%	6.4%	4.8%	5.2%	2.7%	8.5%	1.4%	6.4%	0.6%	-	3.9%	5.4%	2.9%	5.8%
2 to 4	17.8%	16.9%	7.6%	6.2%	35.1%	-	19.4%	26.1%	44.0%	54.1%	34.1%	32.3%	27.9%	-
5 to 9	4.4%	6.1%	0.9%	-	10.3%	14.9%	7.1%	14.2%	5.8%	11.9%	8.7%	10.1%	4.7%	7.3%
10 to 19	4.7%	-	0.7%	-	11.7%	6.7%	15.1%	5.1%	12.0%	4.6%	8.2%	4.4%	5.8%	2.9%
20 to 49	6.3%	4.5%	0.7%	-	15.7%	11.4%	1.2%	7.8%	16.4%	8.1%	9.3%	5.9%	6.3%	4.4%
50 or more	5.3%	4.2%	1.0%	-	12.5%	10.9%	4.1%	-	11.0%	7.2%	6.1%	11.1%	7.4%	6.8%
Manufactured /mobile home or trailer	0.6%	-	0.9%	-	0.2%	-	<0.1%	-	<0.1%	-	0.9%	-	0.2%	-
<b>Year Structure Built</b>														
Post-2000	5.0%	2.2%	5.2%	2.9%	4.7%	-	0.7%	-	4.5%	-	3.2%	-	2.6%	-
Post-1980	21.2%	20.0%	20.4%	-	22.6%	17.8%	7.1%	3.2%	13.8%	10.4%	14.8%	9.2%	10.3%	4.9%
Pre-1980	78.8%	-	79.6%	-	77.4%	82.2%	92.9%	-	86.2%	-	85.2%	90.8%	89.7%	95.1%
Pre-1960	47.6%	50.2%	50.4%	-	42.7%	50.3%	50.2%	65.9%	54.8%	64.7%	49.0%	58.8%	62.3%	72.2%
Pre-1940	23.5%	28.0%	20.3%	23.7%	28.8%	35.6%	16.8%	48.9%	39.2%	47.6%	31.8%	43.8%	37.9%	45.7%

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)	379	380	346	338	34	43	7	5	4	4	32	21	133	112
With a basement under all of house	87.5%	-	87.7%	-	86.2%	-	71.2%	78.5%	92.4%	87.5%	90.6%	-	93.3%	-
With a basement under part of house	7.2%	10.3%	7.3%	10.9%	6.6%	4.9%	25.7%	13.3%	7.6%	8.1%	5.6%	-	2.4%	5.1%
With a crawl space	1.1%	-	1.1%	-	1.1%	-	1.9%	-	<0.1%	-	0.3%	-	1.5%	-
On a concrete slab	3.8%	-	3.6%	-	6.2%	8.2%	1.3%	-	<0.1%	4.4%	3.5%	-	2.9%	-
In some other way	0.3%	-	0.3%	-	<0.1%	1.4%	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	0.3%
EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	1.0%	-	1.0%	-	0.8%	-	3.5%	9.3%	8.1%	16.2%	1.0%	-	1.5%	-
Missing roofing material	2.4%	-	2.2%	-	3.8%	6.7%	4.9%	14.5%	16.5%	33.9%	2.9%	8.4%	3.8%	5.6%
Hole in roof	0.5%	-	0.3%	-	2.3%	-	2.1%	7.6%	6.6%	19.5%	1.5%	5.2%	1.1%	-
Missing bricks, siding, other outside wall material	1.2%	-	0.7%	-	5.6%	8.2%	1.3%	11.9%	10.3%	-	5.0%	6.8%	2.0%	5.7%
Sloping outside walls	0.6%	-	0.5%	-	1.9%	-	2.1%	9.3%	8.5%	<0.1%	2.4%	-	1.3%	-
Boarded up windows	0.5%	-	0.4%	-	1.9%	-	<0.1%	-	6.5%	6.0%	1.5%	-	1.3%	-
Broken windows	3.1%	-	2.8%	-	6.6%	7.5%	4.8%	15.7%	21.1%	19.7%	6.5%	9.1%	7.3%	-
Bars on windows	2.6%	-	2.2%	-	7.0%	2.6%	<0.1%	8.1%	2.2%	6.1%	7.0%	3.4%	6.8%	-
Foundation crumbling or has open crack or hole	5.1%	3.9%	4.4%	-	12.2%	7.1%	10.8%	<0.1%	25.4%	27.6%	13.7%	8.5%	9.4%	6.5%
None of the above	87.0%	82.5%	88.8%	83.7%	67.9%	72.6%	85.1%	53.7%	56.0%	27.6%	67.2%	-	75.9%	72.1%
None of the above(excluding bars)	87.9%	-	89.7%	-	69.2%	73.8%	85.1%	61.5%	56.0%	27.6%	68.5%	72.0%	77.8%	-

<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>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	12.2%	-	13.0%	13.7%	10.8%	9.8%	22.9%	21.4%	20.3%	21.8%	15.5%	12.7%	15.1%	13.3%
Roof	3.8%	5.3%	3.6%	5.5%	4.1%	-	5.3%	10.5%	9.5%	15.2%	4.3%	6.8%	4.0%	6.2%
Basement leak	6.3%	6.6%	7.7%	8.4%	3.8%	-	18.7%	11.5%	7.2%	8.1%	6.4%	5.4%	8.9%	6.7%
Walls, closed windows, or doors leak	2.0%	-	1.6%	-	2.7%	-	2.0%	6.1%	7.2%	2.5%	5.5%	3.3%	2.0%	-
Other or Unknown exterior Leak	1.2%	-	1.1%	-	1.3%	-	1.6%	-	0.7%	-	0.9%	-	1.9%	-
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INTERIOR														
Damage														
Holes in floors	0.8%	-	0.6%	-	1.0%	-	1.3%	6.4%	7.5%	4.6%	1.7%	-	0.7%	-
Open cracks or holes	5.2%	4.9%	3.5%	-	8.2%	6.8%	16.1%	10.7%	21.7%	23.5%	9.1%	7.4%	8.4%	6.8%
Broken plaster or peeling paint	2.2%	-	1.5%	-	3.4%	-	5.1%	8.6%	12.9%	15.1%	3.0%	-	4.0%	-
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Water Leakage During Last 12 Months														
With leakage from inside structure	7.8%	-	6.1%	-	10.7%	-	28.4%	16.5%	26.9%	23.3%	12.1%	8.4%	9.0%	9.9%
Fixtures backed up or overflowed	1.3%	-	1.0%	-	1.8%	-	3.8%	6.8%	7.8%	11.0%	1.6%	-	1.6%	-
Pipes leaked	3.7%	-	2.3%	-	6.2%	5.3%	13.9%	8.1%	16.3%	14.2%	6.2%	5.3%	5.5%	4.1%
Broken water heater	0.9%	-	1.3%	-	0.1%	-	1.5%	-	0.2%	-	2.1%	-	0.2%	-
Other or Unknown	2.1%	-	1.7%	-	2.8%	-	14.9%	3.0%	3.4%	5.0%	2.6%	-	2.0%	-
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Rodents														
Signs of rats in last 3 mon.	0.3%	-	<0.1%	-	0.9%	-	<0.1%	-	1.0%	-	1.8%	-	0.7%	-

<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.	10.7%	6.7%	11.4%	6.7%	9.4%	6.7%	26.2%	4.3%	20.7%	12.0%	9.1%	9.8%	10.2%	7.6%
Signs of rodents, not sure which kind in last 3 mon.	0.1%	-	0.1%	-	0.1%	-	<0.1%	2.4%	<0.1%	2.6%	0.1%	-	0.1%	-
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<b>Electrical</b>														
No electrical wiring	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
Exposed wiring	1.1%	-	0.5%	-	2.0%	-	2.2%	-	2.2%	-	3.3%	-	1.7%	-
Rooms without electric outlets	1.1%	-	0.8%	-	1.6%	-	3.1%	-	3.1%	-	2.4%	-	1.4%	-
Fuses/breakers blown in last 3 mon.	12.5%	-	11.9%	13.1%	13.7%	-	19.0%	26.7%	27.4%	18.8%	16.4%	-	15.8%	-
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<b>Sanitation</b>														
Lacking complete kitchen facilities	5.8%	4.1%	1.6%	-	12.8%	9.4%	7.1%	15.3%	86.0%	76.0%	7.3%	9.3%	8.0%	5.8%
Lacking some or all plumbing facilities	1.7%	-	1.9%	-	1.2%	-	77.9%	70.4%	<0.1%	-	1.1%	-	1.6%	-
Water not safe to drink	7.5%	9.4%	5.5%	7.7%	10.7%	12.2%	16.2%	13.2%	17.1%	12.8%	11.3%	14.4%	11.3%	14.8%
Water stoppage in last 3 mon.	2.5%	-	1.7%	-	3.9%	-	11.6%	3.2%	8.7%	3.4%	2.6%	-	2.9%	-
No flush toilets working some time in last 3 mon.	1.1%	-	0.5%	-	2.2%	-	0.7%	-	5.3%	6.1%	3.8%	-	1.9%	-
With sewage disposal breakdowns in last 3 mon.	1.2%	-	1.0%	-	1.5%	-	1.7%	-	5.8%	2.5%	1.1%	-	1.5%	-
Septic tank, cesspool, chemical toilet	6.8%	9.8%	10.3%	14.2%	0.8%	-	12.5%	5.5%	1.0%	-	3.2%	-	0.6%	-
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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<b>HEATING/FUEL</b>														
<b>Main Heating Equipment</b>														
Warm-air furnace	78.2%	-	86.6%	-	64.1%	-	76.1%	63.8%	53.5%	63.2%	67.5%	-	72.9%	-

<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>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	12.0%	14.2%	8.6%	9.2%	17.9%	22.9%	6.4%	30.5%	19.7%	29.7%	21.6%	-	16.5%	20.0%
Electric heat pump	0.5%	-	0.5%	-	0.5%	-	0.7%	-	3.3%	-	0.5%	-	0.7%	-
Built-in electric units	7.3%	4.4%	2.4%	-	15.7%	8.7%	5.8%	2.6%	22.6%	4.9%	8.9%	6.8%	7.5%	2.5%
Floor, wall, or other built-in hot air without ducts	1.4%	-	1.3%	-	1.6%	-	11.1%	1.3%	0.6%	-	1.3%	-	1.7%	-
Room heaters with flue	0.1%	-	0.1%	-	0.1%	-	<0.1%	-	<0.1%	1.7%	<0.1%	1.2%	<0.1%	-
Portable electric heaters	0.3%	-	0.4%	-	0.1%	-	<0.1%	1.8%	0.2%	-	0.1%	-	0.6%	-
Stoves	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
Other	<0.1%	-	<0.1%	-	0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
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<b>Water Heating Fuel</b>														
Electricity	21.6%	20.5%	17.7%	18.6%	28.3%	23.8%	33.6%	8.4%	27.2%	15.6%	15.2%	19.5%	16.5%	12.4%
Gas, LP/bottled gas	77.9%	-	82.1%	-	70.8%	-	66.4%	91.6%	71.8%	81.0%	83.1%	-	83.3%	-
Fuel oil	0.1%	-	0.1%	-	0.1%	-	<0.1%	-	0.6%	-	<0.1%	0.6%	0.1%	-
Other	0.3%	-	<0.1%	-	0.8%	-	<0.1%	-	0.4%	-	1.6%	-	0.1%	-
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Clothes Dryer(,000)	462	469	377	360	85	110	9	6	15	15	40	32	173	153
Have Clothes Dryer	74.1%	80.2%	96.1%	-	36.6%	51.4%	68.7%	63.4%	37.4%	49.4%	40.8%	54.4%	61.9%	68.4%
Electricity	61.5%	55.2%	58.0%	53.1%	76.9%	62.5%	50.4%	53.3%	59.1%	45.6%	69.4%	50.0%	56.5%	41.2%
Gas, LP gas (liquid propane)	38.5%	44.6%	42.0%	46.8%	23.1%	37.4%	49.6%	46.7%	40.9%	54.4%	30.6%	50.0%	43.5%	58.5%
Other	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
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<b>Heating Problems</b>														
Uncomfortably cold for 24 hours or more last winter	8.8%	7.7%	5.7%	5.1%	15.2%	13.0%	26.9%	32.9%	19.7%	-	19.0%	14.1%	13.2%	11.4%
Heating equipment breakdowns	3.2%	-	2.8%	-	3.8%	-	23.6%	29.4%	6.0%	6.7%	2.8%	5.8%	4.2%	-
Other causes	4.9%	-	2.9%	-	8.3%	7.2%	4.7%	7.3%	10.7%	10.1%	12.4%	6.8%	7.2%	6.6%
Utility interruption	0.4%	-	0.3%	-	0.7%	-	0.7%	-	0.4%	-	1.5%	-	0.2%	-

<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>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>
Inadequate heating capacity	0.8%	-	0.3%	-	1.8%	-	1.1%	5.7%	6.0%	4.4%	1.4%	-	1.6%	-
Inadequate insulation	1.6%	-	0.5%	-	3.5%	-	1.1%	-	3.5%	-	4.7%	-	2.7%	-
Cost of heating	0.7%	-	0.9%	-	0.4%	-	1.1%	-	0.8%	-	0.8%	-	0.7%	-
Other	2.0%	-	1.3%	-	3.2%	-	2.9%	-	1.1%	-	6.1%	3.1%	2.7%	-
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<b>SELECTED PHYSICAL PROBLEMS</b>														
Severe Physical Problems(,000)	13	10	8	4	5	6	13	10	.	.	1	1	7	6
Severe physical problems	2.1%	-	2.1%	-	2.2%	-	100%	-	.	.	1.4%	-	2.5%	-
Plumbing	1.7%	-	1.9%	-	1.2%	-	77.9%	70.4%	.	.	1.1%	-	1.6%	-
Heating	0.5%	-	0.1%	-	1.1%	-	22.8%	24.3%	.	.	0.4%	-	0.9%	-
Electric	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	1.3%	.	.	<0.1%	-	<0.1%	-
Hallways	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	.	.	<0.1%	-	<0.1%	-
Upkeep	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	3.9%	.	.	<0.1%	-	<0.1%	-
Moderate Physical Problems(,000)	41	29	8	6	33	23	.	.	41	29	9	7	26	16
Moderate physical problems	6.5%	5.0%	2.0%	-	14.2%	10.9%	.	.	100%	-	8.9%	12.1%	9.4%	7.1%
Plumbing	0.1%	-	<0.1%	-	0.1%	-	.	.	0.9%	-	0.2%	-	0.1%	-
Heating	<0.1%	-	<0.1%	-	<0.1%	-	.	.	<0.1%	-	<0.1%	-	<0.1%	-
Upkeep	5.6%	3.8%	1.6%	-	12.4%	8.8%	.	.	86.0%	76.0%	6.8%	8.8%	7.8%	5.3%
Hallways	<0.1%	-	<0.1%	-	<0.1%	0.2%	.	.	<0.1%	1.8%	<0.1%	0.2%	<0.1%	-
Kitchen	1.2%	-	0.5%	-	2.5%	-	.	.	19.1%	21.4%	3.9%	-	2.3%	-
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<b>OVERALL OPINION OF STRUCTURE</b>														
1(worst)	0.5%	-	0.1%	-	1.2%	-	<0.1%	5.7%	0.9%	-	0.9%	-	0.9%	-
2	0.1%	-	<0.1%	-	0.2%	-	0.6%	-	0.5%	-	0.3%	-	0.1%	-

<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>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>
	3	0.8%	-	0.1%	-	1.9%	-	0.6%	-	4.6%	-	2.6%	-	1.5%
4	1.1%	-	0.1%	-	2.8%	-	0.7%	-	5.4%	2.9%	3.0%	-	2.2%	-
5	4.4%	5.7%	4.2%	-	4.8%	8.4%	4.8%	15.3%	6.5%	11.2%	5.7%	8.8%	7.1%	8.6%
6	5.1%	-	3.8%	-	7.3%	8.5%	4.1%	8.5%	7.9%	10.0%	6.0%	6.8%	5.0%	7.5%
7	12.7%	14.8%	9.9%	12.8%	17.7%	-	5.0%	14.1%	13.9%	20.2%	16.3%	15.0%	15.7%	17.0%
8	27.7%	-	26.3%	29.4%	30.2%	26.3%	33.2%	26.6%	27.7%	23.1%	27.0%	21.6%	28.7%	-
9	17.0%	14.8%	19.2%	16.7%	13.2%	11.6%	42.2%	13.8%	18.1%	11.2%	11.9%	8.8%	14.2%	11.5%
10(best)	30.5%	28.4%	36.2%	32.5%	20.7%	-	8.7%	11.6%	14.4%	16.1%	26.5%	31.5%	24.7%	21.9%

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