American Housing Survey - Selected Elements Related to Healthy Homes
2011 Milwaukee, WI and 2011 National
National statistic only reported if Metropolitan Statistical Area (MSA) is >=20%(relative) and 0.25% (absolute) different from national (otherwise "-" is listed).

	Oce	cupied	Owner	Occupied	R	ental		evere blems		derate blems	Below	/ Poverty	Cen	tral City
Characteristic	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
Total Occupied Units(,000)	623	114,907	392	76,091	231	38,816	13	2,103	41	4,126	98	16,060	279	33,161
GENERAL														
Owner occupied(,000)		76,091		76,091				907		1,568		6,166		16,552
Renter occupied(,000)		38,816				38,816		1,196		2,558		9,894		16,609
Owner occupied		66.2%		100%		<0.1%		43.1%		38.0%		38.4%		49.9%
Renter occupied		33.8%		<0.1%		100%		56.9%		62.0%		61.6%		50.1%
Units in Structure														
1, detached	56.9%	-	83.4%	-	11.9%	28.6%	51.7%	-	10.1%	39.6%	28.6%	42.7%	44.9%	-
1, attached	4.0%	5.9%	4.8%	-	2.7%	6.8%	1.4%	5.1%	0.6%	3.4%	3.9%	6.1%	2.9%	7.9%
2 to 4	17.8%	7.8%	7.6%	1.9%	35.1%	19.4%	19.4%	14.8%	44.0%	17.8%	34.1%	13.6%	27.9%	12.9%
5 to 9	4.4%	-	0.9%	-	10.3%	12.3%	7.1%	-	5.8%	10.3%	8.7%	-	4.7%	7.4%
10 to 19	4.7%	-	0.7%	-	11.7%	-	15.1%	8.1%	12.0%	7.3%	8.2%	-	5.8%	-
20 to 49	6.3%	3.2%	0.7%	-	15.7%	8.5%	1.2%	6.5%	16.4%	6.9%	9.3%	5.8%	6.3%	-
50 or more	5.3%	3.6%	1.0%	-	12.5%	8.8%	4.1%	7.0%	11.0%	7.0%	6.1%	-	7.4%	-
Manufactured /mobile home or trailer	0.6%	6.3%	0.9%	7.5%	0.2%	3.9%	<0.1%	7.4%	<0.1%	7.8%	0.9%	10.3%	0.2%	1.3%
Year Structure Built														
Post-2000	5.0%	13.8%	5.2%	15.6%	4.7%	10.2%	0.7%	5.0%	4.5%	-	3.2%	9.3%	2.6%	10.9%
Post-1980	21.2%	38.7%	20.4%	42.1%	22.6%	32.2%	7.1%	21.1%	13.8%	22.4%	14.8%	31.1%	10.3%	27.7%
Pre-1980	78.8%	61.3%	79.6%	57.9%	77.4%	-	92.9%	-	86.2%	-	85.2%	-	89.7%	-
Pre-1960	47.6%	30.9%	50.4%	29.5%	42.7%	33.4%	50.2%	-	54.8%	-	49.0%	34.6%	62.3%	42.7%
Pre-1940	23.5%	14.7%	20.3%	12.8%	28.8%	18.5%	16.8%	27.4%	39.2%	24.4%	31.8%	17.2%	37.9%	22.6%

	Oce	cupied	Owner	Occupied	R	ental	Severe Problems		Moderate Problems		Below Poverty		Central City	
Characteristic	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
Foundation (for 1-unit not manufactured)		•								•				
1-Unit not manufactured(,000)	379	80,505	346	66,752	34	13,753	7	1,040	4	1,772	32	7,844	133	18,949
With a basement under all of house	87.5%	32.7%	87.7%	34.4%	86.2%	24.0%	71.2%	32.2%	92.4%	22.1%	90.6%	27.3%	93.3%	31.9%
With a basement under part of house	7.2%	10.6%	7.3%	11.3%	6.6%	-	25.7%	7.9%	7.6%	-	5.6%	7.3%	2.4%	8.1%
With a crawl space	1.1%	22.1%	1.1%	21.4%	1.1%	25.3%	1.9%	24.1%	<0.1%	40.2%	0.3%	25.9%	1.5%	20.2%
On a concrete slab	3.8%	33.1%	3.6%	31.5%	6.2%	41.1%	1.3%	29.7%	<0.1%	23.7%	3.5%	36.4%	2.9%	38.2%
In some other way	0.3%	1.6%	0.3%	1.4%	<0.1%	2.4%	<0.1%	6.1%	<0.1%	5.3%	<0.1%	3.2%	<0.1%	1.6%
EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	1.0%	2.0%	1.0%	1.8%	0.8%	2.9%	3.5%	9.0%	8.1%	11.4%	1.0%	3.8%	1.5%	2.4%
Missing roofing material	2.4%	3.6%	2.2%	3.4%	3.8%	-	4.9%	9.9%	16.5%	-	2.9%	5.8%	3.8%	-
Hole in roof	0.5%	1.5%	0.3%	1.3%	2.3%	-	2.1%	7.6%	6.6%	11.9%	1.5%	3.4%	1.1%	1.9%
Missing bricks, siding, other outside wall material	1.2%	2.5%	0.7%	2.2%	5.6%	3.9%	1.3%	10.7%	10.3%	14.2%	5.0%	-	2.0%	3.2%
Sloping outside walls	0.6%	1.2%	0.5%	1.0%	1.9%	-	2.1%	5.9%	8.5%	-	2.4%	-	1.3%	-
Boarded up windows	0.5%	1.0%	0.4%	0.9%	1.9%	-	<0.1%	4.5%	6.5%	-	1.5%	2.6%	1.3%	-
Broken windows	3.1%	4.2%	2.8%	3.7%	6.6%	-	4.8%	14.1%	21.1%	-	6.5%	8.6%	7.3%	4.8%
Bars on windows	2.6%	-	2.2%	2.7%	7.0%	3.8%	<0.1%	4.2%	2.2%	7.5%	7.0%	4.8%	6.8%	8.9%
Foundation crumbling or has open crack or hole	5.1%	-	4.4%	-	12.2%	6.8%	10.8%	15.0%	25.4%	18.5%	13.7%	8.4%	9.4%	6.4%
None of the above	87.0%	-	88.8%	-	67.9%	-	85.1%	64.2%	56.0%	-	67.2%	-	75.9%	-
None of the above(excluding bars)	87.9%	-	89.7%	-	69.2%	-	85.1%	66.3%	56.0%	-	68.5%	-	77.8%	-

Water Leakage During Last 12 Months

	Oce	cupied	Owner	Occupied	R	ental		evere oblems		derate blems	Below	/ Poverty	Cent	tral City
Characteristic	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	Nationa
With leakage from outside structure	12.2%	-	13.0%	-	10.8%	-	22.9%	17.4%	20.3%	29.4%	15.5%	11.6%	15.1%	11.6%
Roof	3.8%	5.7%	3.6%	6.1%	4.1%	-	5.3%	10.0%	9.5%	16.8%	4.3%	6.5%	4.0%	5.9%
Basement leak	6.3%	2.8%	7.7%	3.4%	3.8%	1.4%	18.7%	2.5%	7.2%	5.1%	6.4%	1.9%	8.9%	2.6%
Walls, closed windows, or doors leak	2.0%	-	1.6%	-	2.7%	-	2.0%	4.7%	7.2%	8.9%	5.5%	2.8%	2.0%	2.9%
Other or Unknown exterior Leak	1.2%	-	1.1%	-	1.3%	-	1.6%	2.9%	0.7%	3.3%	0.9%	1.3%	1.9%	1.4%
INTERIOR														
Damage														
Holes in floors	0.8%	1.0%	0.6%	-	1.0%	1.6%	1.3%	7.2%	7.5%	9.9%	1.7%	2.1%	0.7%	1.3%
Open cracks or holes	5.2%	-	3.5%	-	8.2%	-	16.1%	-	21.7%	29.9%	9.1%	-	8.4%	6.7%
Broken plaster or peeling paint	2.2%	-	1.5%	-	3.4%	-	5.1%	8.3%	12.9%	18.6%	3.0%	-	4.0%	-
Water Leakage During Last 12 Months														
With leakage from inside structure	7.8%	-	6.1%	-	10.7%	-	28.4%	16.2%	26.9%	-	12.1%	-	9.0%	-
Fixtures backed up or overflowed	1.3%	1.9%	1.0%	1.7%	1.8%	2.3%	3.8%	4.9%	7.8%	-	1.6%	2.2%	1.6%	2.2%
Pipes leaked	3.7%	-	2.3%	2.9%	6.2%	4.9%	13.9%	8.4%	16.3%	12.5%	6.2%	-	5.5%	-
Broken water heater	0.9%	-	1.3%	0.9%	0.1%	0.8%	1.5%	-	0.2%	2.0%	2.1%	1.0%	0.2%	0.7%
Other or Unknown	2.1%	-	1.7%	-	2.8%	3.6%	14.9%	3.2%	3.4%	6.0%	2.6%	-	2.0%	2.9%
Dodonto														
Rodents	0.20/	1 00/	<0.1%	0.00/	0.00/	1 20/	-0.40/	2 20/	1 00/	2 60/	1 00/		0.70/	1 40/
Signs of rats in last 3 mon.	0.3%	1.0%			0.9%	1.3%	<0.1%			3.6%	1.8%	-	0.7%	1.4%
Signs of mice in last 3 mon.	10.7%	-	11.4%	-	9.4%	-	20.2%	17.7%	20.7%	-	9.1%	12.5%	10.2%	-

	Occ	cupied	Owner	Occupied	R	ental		evere blems	Moderate Problems		Below Poverty		Cen	tral City
Characteristic	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
Signs of rodents, not sure which kind in last 3 mon.	0.1%	0.6%	0.1%	0.5%	0.1%	0.8%	<0.1%	1.5%	<0.1%	1.6%	0.1%	1.0%	0.1%	0.7%
Electrical														
No electrical wiring	<0.1%	-	<0.1%	-	<0.1%	0.2%	<0.1%	3.2%	<0.1%	0.1%	<0.1%	0.3%	<0.1%	0.1%
Exposed wiring	1.1%	1.6%	0.5%	1.3%	2.0%	-	2.2%	6.2%	2.2%	3.9%	3.3%	2.5%	1.7%	-
Rooms without electric outlets	1.1%	0.8%	0.8%	-	1.6%	1.2%	3.1%	6.5%	3.1%	2.2%	2.4%	1.4%	1.4%	1.0%
Fuses/breakers blown in last 3 mon.	12.5%	9.4%	11.9%	9.4%	13.7%	9.4%	19.0%	14.7%	27.4%	15.1%	16.4%	9.1%	15.8%	9.6%
Sanitation														
Lacking complete kitchen facilities	5.8%	1.7%	1.6%	0.6%	12.8%	4.0%	7.1%	-	86.0%	44.4%	7.3%	3.3%	8.0%	2.8%
Lacking some or all plumbing facilities	1.7%	1.3%	1.9%	0.8%	1.2%	2.1%	77.9%	-	<0.1%	0.0%	1.1%	2.1%	1.6%	-
Water not safe to drink	7.5%	-	5.5%	-	10.7%	-	16.2%	-	17.1%	-	11.3%	-	11.3%	-
Water stoppage in last 3 mon.	2.5%	4.0%	1.7%	3.5%	3.9%	5.1%	11.6%	8.3%	8.7%	-	2.6%	4.8%	2.9%	4.0%
No flush toilets working some time in last 3 mon.	1.1%	1.9%	0.5%	1.1%	2.2%	3.4%	0.7%	5.7%	5.3%	9.8%	3.8%	-	1.9%	2.5%
With sewage disposal breakdowns in last 3 mon.	1.2%	-	1.0%	-	1.5%	-	1.7%	3.7%	5.8%	-	1.1%	2.0%	1.5%	-
Septic tank, cesspool, chemical toilet	6.8%	19.6%	10.3%	25.7%	0.8%	7.5%	12.5%	15.6%	1.0%	16.1%	3.2%	14.7%	0.6%	1.3%
With septic tank or cesspool breakdowns in last 3 mon.	<0.1%	-	0.1%	0.3%	<0.1%	0.2%	<0.1%	0.8%	<0.1%	0.8%	<0.1%	0.4%	<0.1%	-
HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	78.2%	-	86.6%	67.9%	64.1%	-	76.1%	47.8%	53.5%	39.1%	67.5%	-	72.9%	-
Steam or hot water system	12.0%	-	8.6%	-	17.9%	13.5%	6.4%	18.6%	19.7%	14.0%	21.6%	10.9%	16.5%	-

	Oc	cupied	Owner	Occupied	R	ental	Severe Problems		Moderate Problems		Below Poverty		Central City	
Characteristic	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
Electric heat pump	0.5%	11.8%	0.5%	12.9%	0.5%	9.6%	0.7%	7.1%	3.3%	4.8%	0.5%	9.7%	0.7%	8.5%
Built-in electric units	7.3%	4.2%	2.4%	-	15.7%	7.4%	5.8%	-	22.6%	5.6%	8.9%	5.9%	7.5%	3.9%
Floor, wall, or other built-in hot air without ducts	1.4%	3.9%	1.3%	2.4%	1.6%	6.9%	11.1%	7.0%	0.6%	5.6%	1.3%	6.7%	1.7%	5.2%
Room heaters with flue	0.1%	0.8%	0.1%	0.7%	0.1%	1.0%	<0.1%	1.1%	<0.1%	1.1%	<0.1%	1.4%	<0.1%	0.6%
Room heaters without flue	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	2.5%	<0.1%	25.2%	<0.1%	2.2%	<0.1%	0.7%
Portable electric heaters	0.3%	1.2%	0.4%	0.9%	0.1%	1.8%	<0.1%	3.9%	0.2%	2.0%	0.1%	3.0%	0.6%	1.4%
Stoves	<0.1%	0.9%	<0.1%	1.2%	<0.1%	0.5%	<0.1%	4.0%	<0.1%	1.0%	<0.1%	1.2%	<0.1%	0.1%
Fireplace with inserts	<0.1%	-	<0.1%	-	<0.1%	<0.1%	<0.1%	0.1%	<0.1%	0.1%	<0.1%	0.1%	<0.1%	-
Fireplace without inserts	<0.1%	-	<0.1%	-	<0.1%	<0.1%	<0.1%	0.2%	<0.1%	0.1%	<0.1%	0.1%	<0.1%	-
Other	<0.1%	0.3%	<0.1%	-	0.1%	0.4%	<0.1%	1.1%	<0.1%	0.3%	<0.1%	0.7%	<0.1%	0.3%
No heating equipment	<0.1%	0.4%	<0.1%	0.3%	0.1%	0.7%	<0.1%	1.1%	<0.1%	0.7%	0.2%	0.6%	<0.1%	0.7%
Cooking stove	<0.1%	0.1%	<0.1%	-	<0.1%	0.1%	<0.1%	0.2%	<0.1%	0.3%	<0.1%	0.2%	<0.1%	0.1%
Water Heating Fuel														
Electricity	21.6%	41.3%	17.7%	39.0%	28.3%	45.7%	33.6%	-	27.2%	39.0%	15.2%	46.9%	16.5%	31.9%
Gas, LP/bottled gas	77.9%	54.3%	82.1%	56.6%	70.8%	49.7%	66.4%	-	71.8%	55.2%	83.1%	49.2%	83.3%	62.8%
Fuel oil	0.1%	4.1%	0.1%	4.0%	0.1%	4.3%	<0.1%	6.5%	0.6%	5.1%	<0.1%	3.6%	0.1%	5.0%
Kerosene or other liquid fuel	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	<0.1%	<0.1%	0.1%	<0.1%	-	<0.1%	-
Other	0.3%	-	<0.1%	0.4%	0.8%	0.2%	<0.1%	1.0%	0.4%	-	1.6%	0.3%	0.1%	-
Clothes Dryer(,000)	462	93,052	377	72,397	85	20,655	9	1,139	15	2,344	40	9,825	173	21,908
Have Clothes Dryer	74.1%	-	96.1%	-	36.6%	53.2%	68.7%	54.2%	37.4%	56.8%	40.8%	61.2%	61.9%	-
Electricity	61.5%	78.1%	58.0%	76.4%	76.9%	-	50.4%	78.9%	59.1%	82.5%	69.4%	-	56.5%	74.3%
Gas, LP gas (liquid propane)	38.5%	21.8%	42.0%	23.5%	23.1%	15.8%	49.6%	21.0%	40.9%	17.5%	30.6%	17.8%	43.5%	25.6%
Other	<0.1%	0.1%	<0.1%	-	<0.1%	0.1%	<0.1%	0.1%	<0.1%	<0.1%	<0.1%	0.1%	<0.1%	0.1%

Heating Problems

	Occ	cupied	Owner	Occupied	R	ental		evere blems	Moderate Problems		Below Poverty		Central City	
Characteristic	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
Uncomfortably cold for 24 hours or more last winter	8.8%	-	5.7%	7.7%	15.2%	-	26.9%	43.7%	19.7%	-	19.0%	13.7%	13.2%	10.1%
Heating equipment breakdowns	3.2%	2.3%	2.8%	1.9%	3.8%	-	23.6%	31.2%	6.0%	4.1%	2.8%	3.8%	4.2%	3.0%
Other causes	4.9%	5.9%	2.9%	5.5%	8.3%	-	4.7%	11.0%	10.7%	15.4%	12.4%	8.0%	7.2%	-
Utility interruption	0.4%	1.9%	0.3%	2.3%	0.7%	1.1%	0.7%	1.5%	0.4%	1.9%	1.5%	-	0.2%	1.1%
Inadequate heating capacity	0.8%	1.1%	0.3%	0.7%	1.8%	-	1.1%	3.9%	6.0%	-	1.4%	2.2%	1.6%	-
Inadequate insulation	1.6%	1.1%	0.5%	-	3.5%	1.8%	1.1%	3.1%	3.5%	5.0%	4.7%	2.0%	2.7%	1.4%
Cost of heating	0.7%	1.0%	0.9%	-	0.4%	1.1%	1.1%	1.7%	0.8%	2.8%	0.8%	1.3%	0.7%	-
Other	2.0%	1.3%	1.3%	-	3.2%	1.6%	2.9%	3.5%	1.1%	3.2%	6.1%	1.8%	2.7%	1.6%
SELECTED PHYSICAL PROBLEMS														
Severe Physical Problems(,000)	13	2,103	8	907	5	1,196	13	2,103	•		1	522	7	909
Severe physical problems	2.1%	-	2.1%	1.2%	2.2%	3.1%	100%	-			1.4%	3.3%	2.5%	-
Plumbing	1.7%	1.2%	1.9%	0.8%	1.2%	2.1%	77.9%	-			1.1%	2.1%	1.6%	-
Heating	0.5%	-	0.1%	-	1.1%	-	22.8%	28.6%			0.4%	1.1%	0.9%	-
Electric	<0.1%	0.1%	<0.1%	0.1%	<0.1%	-	<0.1%	3.1%			<0.1%	0.1%	<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%	2.5%			<0.1%	0.1%	<0.1%	0.1%
Moderate Physical Problems(,000)	41	4,126	8	1,568	33	2,558	•		41	4,126	9	1,170	26	1,628
Moderate physical problems	6.5%	3.6%	2.0%	-	14.2%	6.6%			100%	-	8.9%	-	9.4%	4.9%
Plumbing	0.1%	-	<0.1%	-	0.1%	-			0.9%	5.2%	0.2%	-	0.1%	-
Heating	<0.1%	0.9%	<0.1%	0.8%	<0.1%	1.1%			<0.1%	25.2%	<0.1%	2.1%	<0.1%	0.7%
Upkeep	5.6%	1.6%	1.6%	0.5%	12.4%	3.7%			86.0%	44.4%	6.8%	2.9%	7.8%	2.6%
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%
Kitchen	1.2%	-	0.5%	-	2.5%	1.7%			19.1%	28.2%	3.9%	2.3%	2.3%	1.6%

	Oce	Occupied		Owner Occupied Re		ental		Severe Problems		Moderate Problems		Below Poverty		tral City
Characteristic	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
OVERALL OPINION OF STRUCTURE								•						
1(worst)	0.5%	-	0.1%	-	1.2%	-	<0.1%	3.4%	0.9%	3.0%	0.9%	1.5%	0.9%	-
2	0.1%	-	<0.1%	-	0.2%	0.7%	0.6%	1.9%	0.5%	1.6%	0.3%	0.9%	0.1%	0.5%
3	0.8%	-	0.1%	0.4%	1.9%	1.2%	0.6%	3.5%	4.6%	2.9%	2.6%	1.6%	1.5%	1.0%
4	1.1%	-	0.1%	0.6%	2.8%	1.8%	0.7%	2.7%	5.4%	3.3%	3.0%	1.9%	2.2%	1.2%
5	4.4%	-	4.2%	3.3%	4.8%	7.5%	4.8%	9.6%	6.5%	11.8%	5.7%	8.6%	7.1%	-
6	5.1%	-	3.8%	-	7.3%	-	4.1%	7.1%	7.9%	10.5%	6.0%	-	5.0%	6.2%
7	12.7%	-	9.9%	12.0%	17.7%	-	5.0%	16.5%	13.9%	-	16.3%	-	15.7%	-
8	27.7%	-	26.3%	-	30.2%	-	33.2%	21.2%	27.7%	21.9%	27.0%	-	28.7%	-
9	17.0%	-	19.2%	-	13.2%	-	42.2%	11.1%	18.1%	10.6%	11.9%	-	14.2%	-
10(best)	30.5%	-	36.2%	-	20.7%	-	8.7%	23.0%	14.4%	19.0%	26.5%	-	24.7%	-

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