

**American Housing Survey - Selected Elements Related to Healthy Homes  
2011 Midwest**

<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>
Total Occupied Units(,000)	25,684	18,033	7,651	365	739	3,371	7,080
<b>GENERAL</b>							
Owner occupied(,000)	18,033	18,033	.	179	279	1,325	3,905
Renter occupied(,000)	7,651	.	7,651	186	460	2,046	3,175
Owner occupied	70.2%	100%	<0.1%	49.1%	37.7%	39.3%	55.2%
Renter occupied	29.8%	<0.1%	100%	50.9%	62.3%	60.7%	44.8%
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<b>Units in Structure</b>							
1, detached	70.5%	87.4%	30.6%	57.2%	40.2%	47.8%	57.9%
1, attached	4.2%	3.7%	5.3%	3.0%	1.4%	3.4%	4.7%
2 to 4	7.7%	1.6%	21.8%	10.6%	23.4%	14.9%	13.9%
5 to 9	4.0%	0.5%	12.4%	5.3%	9.2%	9.0%	6.3%
10 to 19	3.8%	0.5%	11.6%	6.0%	9.2%	7.6%	5.7%
20 to 49	2.5%	0.3%	7.8%	4.8%	3.9%	5.2%	3.7%
50 or more	3.0%	0.8%	8.3%	4.6%	5.4%	5.8%	6.7%
Manufactured /mobile home or trailer	4.2%	5.2%	2.1%	8.5%	7.4%	6.3%	1.1%
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<b>Year Structure Built</b>							
Post-2000	11.5%	12.9%	8.1%	3.7%	2.2%	7.1%	9.6%
Post-1980	32.6%	35.2%	26.5%	16.5%	18.4%	24.5%	23.4%
Pre-1980	67.4%	64.8%	73.5%	83.5%	81.6%	75.5%	76.6%
Pre-1960	37.7%	37.3%	38.7%	50.0%	50.4%	44.1%	49.5%
Pre-1940	20.2%	18.6%	24.0%	31.8%	31.7%	25.7%	28.5%

Foundation (for 1-unit not manufactured)

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1-Unit not manufactured(,000)	19,176	16,433	2,743	220	307	1,724	4,433
With a basement under all of house	59.0%	60.2%	51.9%	59.9%	49.2%	55.5%	67.0%
With a basement under part of house	17.5%	18.1%	14.2%	15.5%	20.4%	13.2%	14.0%
With a crawl space	13.3%	12.8%	16.5%	16.1%	18.6%	16.8%	8.5%
On a concrete slab	9.1%	8.0%	15.8%	7.5%	9.5%	13.1%	9.9%
In some other way	1.0%	0.9%	1.5%	1.0%	2.3%	1.4%	0.7%
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<b>EXTERIOR</b>							
External Building Conditions(non multiunit)							
Sagging roof	2.2%	2.0%	3.4%	7.4%	16.0%	4.9%	2.5%
Missing roofing material	3.9%	3.7%	5.5%	9.9%	18.9%	7.0%	4.1%
Hole in roof	1.2%	1.0%	2.3%	4.4%	14.9%	3.8%	2.0%
Missing bricks, siding, other outside wall material	2.7%	2.3%	4.6%	9.9%	19.1%	6.5%	3.6%
Sloping outside walls	1.2%	1.1%	1.9%	2.0%	10.2%	2.1%	1.8%
Boarded up windows	0.9%	0.8%	1.7%	5.3%	5.5%	2.4%	1.6%
Broken windows	4.2%	3.6%	7.3%	14.0%	21.5%	9.5%	5.6%
Bars on windows	1.5%	1.5%	1.6%	4.8%	5.7%	3.0%	4.9%
Foundation crumbling or has open crack or hole	6.3%	5.8%	9.2%	16.2%	28.4%	11.3%	8.4%
None of the above	82.5%	83.8%	74.9%	68.0%	40.4%	71.0%	76.2%
None of the above(excluding bars)	83.4%	84.6%	76.0%	69.1%	43.2%	72.6%	78.9%
Water Leakage During Last 12 Months							
With leakage from outside structure	13.1%	13.7%	11.6%	20.0%	39.9%	14.8%	14.3%
Roof	5.3%	5.5%	4.9%	11.1%	20.8%	7.3%	5.5%

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Basement leak	5.5%	6.2%	3.7%	6.6%	10.7%	4.2%	6.1%
Walls, closed windows, or doors leak	2.3%	2.0%	3.0%	3.9%	11.1%	3.3%	2.8%
Other or Unknown exterior Leak	1.1%	1.1%	1.0%	1.9%	3.9%	1.3%	1.1%
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<b>INTERIOR</b>							
<b>Damage</b>							
Holes in floors	0.8%	0.6%	1.3%	3.9%	12.0%	2.1%	1.1%
Open cracks or holes	4.9%	4.3%	6.1%	14.3%	37.1%	8.7%	6.6%
Broken plaster or peeling paint	2.1%	1.7%	3.0%	6.8%	23.1%	3.8%	3.4%
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<b>Water Leakage During Last 12 Months</b>							
With leakage from inside structure	7.8%	6.7%	10.4%	14.8%	28.5%	10.1%	8.5%
Fixtures backed up or overflowed	1.9%	1.8%	2.0%	5.4%	6.3%	2.2%	2.1%
Pipes leaked	2.9%	2.3%	4.2%	8.1%	13.5%	4.8%	3.3%
Broken water heater	0.8%	0.8%	0.8%	0.3%	2.9%	0.4%	0.7%
Other or Unknown	2.5%	1.9%	3.8%	2.3%	8.4%	3.3%	2.7%
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<b>Rodents</b>							
Signs of rats in last 3 mon.	0.3%	0.2%	0.5%	2.8%	1.8%	0.9%	0.4%
Signs of mice in last 3 mon.	12.0%	13.0%	9.7%	23.4%	18.7%	13.7%	10.8%
Signs of rodents, not sure which kind in last 3 mon.	0.3%	0.2%	0.5%	1.1%	2.3%	0.8%	0.4%
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<b>Electrical</b>							

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No electrical wiring	0.1%	0.1%	<0.1%	4.1%	<0.1%	0.2%	0.1%
Exposed wiring	1.6%	1.3%	2.2%	8.1%	7.1%	3.1%	1.8%
Rooms without electric outlets	0.6%	0.6%	0.7%	8.0%	3.5%	1.4%	0.8%
Fuses/breakers blown in last 3 mon.	10.3%	10.4%	10.2%	16.1%	18.8%	11.2%	10.9%
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Sanitation							
Lacking complete kitchen facilities	1.6%	0.5%	4.0%	6.8%	51.4%	3.7%	2.5%
Lacking some or all plumbing facilities	1.0%	0.7%	1.7%	68.2%	<0.1%	1.8%	1.3%
Water not safe to drink	5.1%	4.2%	7.5%	8.4%	10.0%	7.1%	6.1%
Water stoppage in last 3 mon.	3.0%	2.7%	3.9%	7.1%	8.6%	3.8%	3.1%
No flush toilets working some time in last 3 mon.	1.5%	0.9%	3.0%	6.1%	9.2%	3.3%	1.9%
With sewage disposal breakdowns in last 3 mon.	1.4%	1.3%	1.6%	5.5%	5.8%	1.9%	1.7%
Septic tank, cesspool, chemical toilet	19.4%	24.6%	7.0%	18.3%	14.3%	12.5%	1.1%
With septic tank or cesspool breakdowns in last 3 mon.	0.2%	0.2%	0.1%	1.3%	<0.1%	0.2%	<0.1%
HEATING/FUEL							
Main Heating Equipment							
Warm-air furnace	81.8%	85.8%	72.2%	69.6%	62.0%	75.9%	80.8%
Steam or hot water system	7.7%	5.8%	12.2%	11.6%	12.8%	9.9%	10.7%
Electric heat pump	3.0%	3.2%	2.5%	1.4%	2.1%	1.9%	1.9%
Built-in electric units	4.2%	2.2%	9.0%	7.6%	7.9%	7.0%	3.8%
Floor, wall, or other built-in hot air without ducts	1.4%	1.0%	2.3%	1.4%	1.4%	1.9%	1.7%
Room heaters with flue	0.4%	0.4%	0.5%	1.1%	1.1%	0.9%	0.4%

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Room heaters without flue	0.3%	0.2%	0.5%	1.8%	9.6%	0.6%	0.2%
Portable electric heaters	0.3%	0.2%	0.3%	0.1%	1.3%	0.6%	0.3%
Stoves	0.6%	0.7%	0.3%	4.7%	1.1%	1.0%	<0.1%
Fireplace with inserts	0.2%	0.2%	<0.1%	0.1%	<0.1%	<0.1%	<0.1%
Fireplace without inserts	<0.1%	<0.1%	<0.1%	0.1%	0.1%	0.1%	<0.1%
Other	0.1%	0.2%	0.1%	2.6%	<0.1%	0.2%	0.1%
No heating equipment	<0.1%	<0.1%	0.3%	1.8%	2.5%	<0.1%	0.3%
Cooking stove	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%
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<b>Water Heating Fuel</b>							
Electricity	29.9%	26.5%	38.0%	32.4%	32.7%	36.5%	21.3%
Gas, LP/bottled gas	69.6%	72.9%	61.6%	65.4%	66.3%	63.1%	78.5%
Fuel oil	0.1%	0.2%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%
Kerosene or other liquid fuel	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%
Other	0.4%	0.5%	0.3%	2.1%	0.9%	0.4%	0.2%
Clothes Dryer,(,000)	21,522	17,448	4,075	231	422	2,061	5,071
Have Clothes Dryer	83.8%	96.8%	53.3%	63.4%	57.1%	61.1%	71.6%
Electricity	69.6%	67.6%	78.3%	67.9%	74.9%	72.4%	66.0%
Gas, LP gas (liquid propane)	30.3%	32.4%	21.7%	32.1%	25.1%	27.5%	33.8%
Other	<0.1%	<0.1%	0.1%	0.4%	<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%	7.6%	12.4%	37.8%	27.8%	14.8%	9.8%
Heating equipment breakdowns	2.3%	1.9%	3.1%	30.2%	3.5%	4.2%	2.6%
Other causes	5.7%	5.4%	6.4%	4.3%	19.5%	8.2%	5.8%
Utility interruption	2.3%	2.7%	1.1%	1.9%	3.3%	1.9%	1.5%
Inadequate heating capacity	0.9%	0.5%	1.7%	1.0%	5.9%	1.5%	1.2%
Inadequate insulation	1.0%	0.6%	2.0%	0.9%	6.3%	2.1%	1.5%

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Cost of heating	0.8%	0.7%	0.9%	0.1%	2.9%	1.1%	0.7%
Other	1.1%	1.0%	1.4%	0.8%	3.5%	2.3%	1.4%
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<b>SELECTED PHYSICAL PROBLEMS</b>							
Severe Physical Problems(,000)	365	179	186	365	.	99	135
Severe physical problems	1.4%	1.0%	2.4%	100%	.	2.9%	1.9%
Plumbing	1.0%	0.7%	1.7%	68.2%	.	1.8%	1.3%
Heating	0.4%	0.2%	0.7%	25.3%	.	0.9%	0.5%
Electric	0.1%	0.1%	<0.1%	6.2%	.	0.2%	<0.1%
Hallways	<0.1%	<0.1%	<0.1%	<0.1%	.	<0.1%	<0.1%
Upkeep	<0.1%	<0.1%	0.1%	2.3%	.	0.2%	0.1%
Moderate Physical Problems(,000)	739	279	460	.	739	211	279
Moderate physical problems	2.9%	1.5%	6.0%	.	100%	6.3%	3.9%
Plumbing	0.2%	0.2%	0.2%	.	5.8%	0.3%	0.2%
Heating	0.3%	0.2%	0.4%	.	9.6%	0.4%	0.2%
Upkeep	1.5%	0.5%	3.8%	.	51.4%	3.4%	2.3%
Hallways	<0.1%	<0.1%	<0.1%	.	<0.1%	<0.1%	<0.1%
Kitchen	1.1%	0.8%	1.8%	.	37.0%	2.6%	1.5%
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<b>OVERALL OPINION OF STRUCTURE</b>							
1(worst)	0.5%	0.3%	1.0%	2.6%	2.9%	1.3%	0.7%
2	0.2%	0.1%	0.6%	2.6%	1.3%	0.8%	0.5%
3	0.6%	0.3%	1.3%	5.3%	3.1%	1.3%	0.9%
4	0.9%	0.6%	1.8%	1.0%	5.8%	1.6%	1.4%
5	4.7%	3.7%	7.2%	11.0%	12.3%	8.4%	6.2%
6	5.0%	3.9%	7.4%	9.3%	10.1%	6.7%	6.3%

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7	14.3%	12.4%	18.6%	16.7%	16.6%	16.5%	16.8%
8	28.0%	28.1%	27.6%	16.2%	24.4%	26.3%	29.2%
9	16.2%	17.4%	13.1%	10.8%	11.3%	11.5%	14.7%
10(best)	29.7%	33.3%	21.5%	24.5%	12.2%	25.6%	23.4%

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