

**American Housing Survey - Selected Elements Related to Healthy Homes**  
**National Data for 2011 compared to 2009**  
**2009 is only reported if >=5% (relative) and 0.1% (absolute) different from 2011 (otherwise "-" is listed).**

<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>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>
Total Occupied Units(,000)	114,907	111,806	76,091	76,428	38,816	35,378	2,103	1,864	4,126	3,893	16,060	15,714	33,161	32,433
<b>GENERAL</b>														
Owner occupied(,000)	76,091	76,428	76,091	76,428	.	.	907	870	1,568	1,625	6,166	6,389	16,552	17,224
Renter occupied(,000)	38,816	35,378	.	.	38,816	35,378	1,196	994	2,558	2,269	9,894	9,326	16,609	15,209
Owner occupied	66.2%	-	100%	-	.	.	43.1%	46.7%	38.0%	41.7%	38.4%	40.7%	49.9%	53.1%
Renter occupied	33.8%	31.6%	.	.	100%	-	56.9%	53.3%	62.0%	58.3%	61.6%	-	50.1%	46.9%
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<b>Units in Structure</b>														
1, detached	64.2%	-	82.4%	-	28.6%	-	44.3%	48.2%	39.6%	42.6%	42.7%	-	49.3%	-
1, attached	5.9%	5.3%	5.4%	-	6.8%	5.7%	5.1%	-	3.4%	-	6.1%	5.4%	7.9%	7.1%
2 to 4	7.8%	-	1.9%	-	19.4%	-	14.8%	12.2%	17.8%	-	13.6%	-	12.9%	12.0%
5 to 9	4.7%	-	0.8%	-	12.3%	13.0%	6.9%	-	10.3%	8.2%	8.5%	-	7.4%	-
10 to 19	4.4%	-	0.7%	-	11.6%	-	8.1%	5.6%	7.3%	9.6%	6.9%	-	6.5%	-
20 to 49	3.2%	-	0.5%	-	8.5%	-	6.5%	7.1%	6.9%	5.7%	5.8%	5.5%	6.1%	-
50 or more	3.6%	-	1.0%	-	8.8%	9.4%	7.0%	7.8%	7.0%	6.4%	6.1%	6.7%	8.7%	-
Manufactured /mobile home or trailer	6.3%	-	7.5%	-	3.9%	-	7.4%	6.9%	7.8%	7.3%	10.3%	9.5%	1.3%	-
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<b>Year Structure Built</b>														
Post-2000	13.8%	12.5%	15.6%	14.4%	10.2%	8.5%	5.0%	3.9%	4.4%	-	9.3%	7.7%	10.9%	10.0%
Post-1980	38.7%	-	42.1%	-	32.2%	29.9%	21.1%	18.2%	22.4%	-	31.1%	28.2%	27.7%	-
Pre-1980	61.3%	-	57.9%	-	67.8%	-	78.9%	-	77.6%	-	68.9%	-	72.3%	-
Pre-1960	30.9%	-	29.5%	-	33.4%	-	47.2%	-	45.7%	-	34.6%	-	42.7%	-
Pre-1940	14.7%	-	12.8%	-	18.5%	-	27.4%	-	24.4%	25.8%	17.2%	-	22.6%	-

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009	2011	2009
Foundation (for 1-unit not manufactured)														
1-Unit not manufactured(,000)	80,505	79,052	66,752	67,276	13,753	11,776	1,040	993	1,772	1,743	7,844	7,768	18,949	18,978
With a basement under all of house	32.7%	-	34.4%	-	24.0%	-	32.2%	36.3%	22.1%	-	27.3%	-	31.9%	-
With a basement under part of house	10.6%	-	11.3%	-	7.2%	-	7.9%	7.1%	8.7%	7.4%	7.3%	8.3%	8.1%	-
With a crawl space	22.1%	-	21.4%	-	25.3%	27.5%	24.1%	30.8%	40.2%	42.7%	25.9%	-	20.2%	-
On a concrete slab	33.1%	-	31.5%	-	41.1%	38.1%	29.7%	23.6%	23.7%	22.5%	36.4%	-	38.2%	-
In some other way	1.6%	-	1.4%	-	2.4%	-	6.1%	2.2%	5.3%	-	3.2%	-	1.6%	-
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<b>EXTERIOR</b>														
External Building Conditions(non multiunit)														
Sagging roof	2.0%	-	1.8%	-	2.9%	-	9.0%	-	11.4%	-	3.8%	5.2%	2.4%	-
Missing roofing material	3.6%	5.6%	3.4%	5.2%	4.1%	7.5%	9.9%	14.0%	14.3%	-	5.8%	8.5%	3.8%	6.2%
Hole in roof	1.5%	-	1.3%	-	2.4%	-	7.6%	8.2%	11.9%	-	3.4%	-	1.9%	-
Missing bricks, siding, other outside wall material	2.5%	-	2.2%	-	3.9%	5.2%	10.7%	6.8%	14.2%	-	5.0%	6.1%	3.2%	-
Sloping outside walls	1.2%	-	1.0%	-	2.2%	-	5.9%	7.3%	8.4%	7.0%	2.3%	-	1.5%	-
Boarded up windows	1.0%	-	0.9%	-	1.6%	-	4.5%	-	6.1%	4.6%	2.6%	-	1.5%	-
Broken windows	4.2%	-	3.7%	-	6.6%	-	14.1%	9.4%	18.1%	12.6%	8.6%	7.1%	4.8%	-
Bars on windows	2.9%	-	2.7%	-	3.8%	5.5%	4.2%	7.2%	7.5%	8.1%	4.8%	6.8%	8.9%	10.2%
Foundation crumbling or has open crack or hole	5.4%	2.7%	5.1%	2.4%	6.8%	4.2%	15.0%	6.7%	18.5%	12.0%	8.4%	4.2%	6.4%	3.6%
None of the above	82.0%	-	83.2%	-	76.8%	-	64.2%	-	50.3%	53.8%	72.3%	-	75.3%	-
None of the above(excluding bars)	84.2%	-	85.2%	-	79.5%	-	66.3%	-	53.3%	58.5%	75.6%	-	81.9%	-
Water Leakage During Last 12 Months														

<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>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>
With leakage from outside structure	11.0%	9.9%	11.5%	10.4%	9.8%	8.9%	17.4%	-	29.4%	-	11.6%	10.5%	11.6%	10.3%
Roof	5.7%	5.4%	6.1%	5.7%	4.9%	-	10.0%	11.4%	16.8%	21.3%	6.5%	6.0%	5.9%	5.3%
Basement leak	2.8%	-	3.4%	-	1.4%	-	2.5%	-	5.1%	5.5%	1.9%	-	2.6%	-
Walls, closed windows, or doors leak	2.2%	-	1.8%	-	3.0%	-	4.7%	5.7%	8.9%	7.2%	2.8%	-	2.9%	-
Other or Unknown exterior Leak	1.2%	-	1.1%	-	1.3%	-	2.9%	-	3.3%	-	1.3%	-	1.4%	-
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<b>INTERIOR</b>														
<b>Damage</b>														
Holes in floors	1.0%	-	0.7%	-	1.6%	-	7.2%	-	9.9%	-	2.1%	-	1.3%	-
Open cracks or holes	5.2%	-	4.2%	-	7.1%	-	18.1%	16.1%	29.9%	-	8.6%	-	6.7%	6.3%
Broken plaster or peeling paint	2.1%	-	1.5%	-	3.1%	-	8.3%	10.0%	18.6%	-	3.4%	-	3.2%	-
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<b>Water Leakage During Last 12 Months</b>														
With leakage from inside structure	8.5%	-	7.2%	-	11.2%	-	16.2%	-	25.1%	-	11.0%	9.6%	10.0%	-
Fixtures backed up or overflowed	1.9%	-	1.7%	-	2.3%	-	4.9%	-	6.6%	8.9%	2.2%	-	2.2%	-
Pipes leaked	3.6%	-	2.9%	-	4.9%	-	8.4%	9.4%	12.5%	14.6%	5.1%	4.3%	4.5%	-
Broken water heater	0.8%	-	0.9%	-	0.8%	-	1.4%	-	2.0%	-	1.0%	-	0.7%	-
Other or Unknown	2.4%	-	1.8%	-	3.6%	-	3.2%	5.1%	6.0%	6.4%	3.0%	-	2.9%	-
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<b>Rodents</b>														
Signs of rats in last 3 mon.	1.0%	-	0.9%	-	1.3%	-	3.3%	-	3.6%	-	1.8%	-	1.4%	-
Signs of mice in last 3 mon.	11.1%	5.5%	11.7%	5.2%	10.0%	6.1%	17.7%	13.1%	20.0%	12.1%	12.5%	7.3%	9.9%	5.2%

<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>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>
Signs of rodents, not sure which kind in last 3 mon.	0.6%	-	0.5%	-	0.8%	-	1.5%	-	1.6%	-	1.0%	-	0.7%	-
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<b>Electrical</b>														
No electrical wiring	0.1%	-	0.1%	-	0.2%	-	3.2%	-	0.1%	-	0.3%	-	0.1%	-
Exposed wiring	1.6%	-	1.3%	-	2.1%	-	6.2%	2.7%	3.9%	-	2.5%	-	1.6%	-
Rooms without electric outlets	0.8%	-	0.6%	-	1.2%	-	6.5%	7.1%	2.2%	-	1.4%	-	1.0%	-
Fuses/breakers blown in last 3 mon.	9.4%	8.8%	9.4%	8.9%	9.4%	8.8%	14.7%	-	15.1%	-	9.1%	8.0%	9.6%	-
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<b>Sanitation</b>														
Lacking complete kitchen facilities	1.7%	-	0.6%	-	4.0%	-	8.4%	6.6%	44.4%	41.8%	3.3%	-	2.8%	-
Lacking some or all plumbing facilities	1.3%	-	0.8%	-	2.1%	-	68.2%	-	<0.1%	-	2.1%	-	1.8%	-
Water not safe to drink	8.3%	7.6%	6.2%	-	12.3%	11.1%	14.7%	12.4%	14.9%	-	13.1%	11.4%	10.1%	9.0%
Water stoppage in last 3 mon.	4.0%	-	3.5%	-	5.1%	4.6%	8.3%	6.2%	9.4%	8.8%	4.8%	-	4.0%	-
No flush toilets working some time in last 3 mon.	1.9%	-	1.1%	-	3.4%	-	5.7%	4.6%	9.8%	-	3.4%	-	2.5%	-
With sewage disposal breakdowns in last 3 mon.	1.4%	-	1.2%	-	1.7%	-	3.7%	-	5.0%	-	2.0%	-	1.6%	-
Septic tank, cesspool, chemical toilet	19.6%	-	25.7%	-	7.5%	-	15.6%	14.8%	16.1%	-	14.7%	-	1.3%	-
With septic tank or cesspool breakdowns in last 3 mon.	0.3%	-	0.3%	-	0.2%	-	0.8%	-	0.8%	-	0.4%	-	<0.1%	-
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<b>HEATING/FUEL</b>														
<b>Main Heating Equipment</b>														
Warm-air furnace	64.1%	-	67.9%	-	56.7%	-	47.8%	-	39.1%	-	57.3%	-	62.8%	-
Steam or hot water system	11.0%	-	9.7%	-	13.5%	-	18.6%	21.1%	14.0%	12.9%	10.9%	-	15.6%	-

<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>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>
Electric heat pump	11.8%	-	12.9%	-	9.6%	-	7.1%	6.5%	4.8%	-	9.7%	-	8.5%	-
Built-in electric units	4.2%	-	2.6%	-	7.4%	-	5.2%	6.0%	5.6%	4.8%	5.9%	-	3.9%	-
Floor, wall, or other built-in hot air without ducts	3.9%	-	2.4%	-	6.9%	7.8%	7.0%	5.5%	5.6%	-	6.7%	7.2%	5.2%	5.7%
Room heaters with flue	0.8%	-	0.7%	-	1.0%	-	1.1%	-	1.1%	-	1.4%	-	0.6%	-
Room heaters without flue	1.0%	-	0.8%	-	1.2%	-	2.5%	-	25.2%	27.5%	2.2%	-	0.7%	-
Portable electric heaters	1.2%	-	0.9%	-	1.8%	-	3.9%	-	2.0%	-	3.0%	-	1.4%	-
Stoves	0.9%	-	1.2%	-	0.5%	-	4.0%	-	1.0%	-	1.2%	-	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%	-	0.2%	-	0.1%	-	0.1%	-	<0.1%	-
Other	0.3%	-	0.3%	-	0.4%	-	1.1%	-	0.3%	-	0.7%	-	0.3%	-
No heating equipment	0.4%	-	0.3%	-	0.7%	-	1.1%	-	0.7%	-	0.6%	-	0.7%	-
Cooking stove	0.1%	-	<0.1%	-	0.1%	-	0.2%	-	0.3%	-	0.2%	-	0.1%	-
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<b>Water Heating Fuel</b>														
Electricity	41.3%	-	39.0%	-	45.7%	-	38.7%	31.9%	39.0%	-	46.9%	-	31.9%	-
Gas, LP/bottled gas	54.3%	-	56.6%	-	49.7%	-	53.8%	57.5%	55.2%	-	49.2%	-	62.8%	-
Fuel oil	4.1%	-	4.0%	-	4.3%	-	6.5%	9.9%	5.1%	4.8%	3.6%	-	5.0%	-
Kerosene or other liquid fuel	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	0.1%	-	<0.1%	-	<0.1%	-
Other	0.4%	-	0.4%	-	0.2%	-	1.0%	-	0.5%	-	0.3%	-	0.2%	-
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Clothes Dryer,(,000)	93,052	90,905	72,397	72,562	20,655	18,343	1,139	1,048	2,344	2,245	9,825	9,428	21,908	21,757
Have Clothes Dryer	81.0%	-	95.1%	-	53.2%	-	54.2%	-	56.8%	-	61.2%	-	66.1%	-
Electricity	78.1%	-	76.4%	-	84.0%	-	78.9%	-	82.5%	-	82.1%	-	74.3%	-
Gas, LP gas (liquid propane)	21.8%	-	23.5%	-	15.8%	-	21.0%	23.5%	17.5%	-	17.8%	-	25.6%	-
Other	0.1%	-	<0.1%	-	0.1%	-	0.1%	-	<0.1%	-	0.1%	-	0.1%	-
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<b>Heating Problems</b>														

<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>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>
Uncomfortably cold for 24 hours or more last winter	9.1%	-	7.7%	8.2%	12.5%	11.8%	43.7%	40.2%	22.2%	20.7%	13.7%	-	10.1%	-
Heating equipment breakdowns	2.3%	-	1.9%	-	3.2%	-	31.2%	-	4.1%	-	3.8%	-	3.0%	-
Other causes	5.9%	6.4%	5.5%	6.0%	6.7%	7.3%	11.0%	-	15.4%	14.5%	8.0%	8.5%	6.0%	6.3%
Utility interruption	1.9%	-	2.3%	-	1.1%	-	1.5%	-	1.9%	-	1.6%	-	1.1%	-
Inadequate heating capacity	1.1%	-	0.7%	-	2.0%	-	3.9%	-	5.4%	4.1%	2.2%	-	1.7%	-
Inadequate insulation	1.1%	-	0.7%	-	1.8%	-	3.1%	-	5.0%	4.6%	2.0%	-	1.4%	-
Cost of heating	1.0%	-	1.0%	-	1.1%	-	1.7%	-	2.8%	-	1.3%	-	0.8%	-
Other	1.3%	-	1.2%	-	1.6%	-	3.5%	-	3.2%	-	1.8%	-	1.6%	-
<b>SELECTED PHYSICAL PROBLEMS</b>														
Severe Physical Problems(,000)	2,103	1,864	907	870	1,196	994	2,103	1,864	.	.	522	490	909	825
Severe physical problems	1.8%	-	1.2%	-	3.1%	-	100%	-	.	.	3.3%	-	2.7%	-
Plumbing	1.2%	-	0.8%	-	2.1%	-	68.2%	-	.	.	2.1%	-	1.8%	-
Heating	0.5%	-	0.3%	-	0.9%	-	28.6%	-	.	.	1.1%	-	0.8%	-
Electric	0.1%	-	0.1%	-	<0.1%	-	3.1%	-	.	.	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%	-	.	.	0.1%	-	0.1%	-
Moderate Physical Problems(,000)	4,126	3,893	1,568	1,625	2,558	2,269	.	.	4,126	3,893	1,170	1,066	1,628	1,580
Moderate physical problems	3.6%	-	2.1%	-	6.6%	-	.	.	100%	-	7.3%	6.8%	4.9%	-
Plumbing	0.2%	-	0.1%	-	0.4%	-	.	.	5.2%	4.2%	0.4%	-	0.3%	-
Heating	0.9%	-	0.8%	-	1.1%	-	.	.	25.2%	27.5%	2.1%	-	0.7%	-
Upkeep	1.6%	-	0.5%	-	3.7%	-	.	.	44.4%	41.8%	2.9%	-	2.6%	-
Hallways	<0.1%	-	<0.1%	-	<0.1%	-	.	.	<0.1%	-	<0.1%	-	<0.1%	-
Kitchen	1.0%	-	0.7%	-	1.7%	-	.	.	28.2%	30.2%	2.3%	-	1.6%	-

<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>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>	<i>2011</i>	<i>2009</i>
OVERALL OPINION OF STRUCTURE														
1(worst)	0.6%	-	0.3%	-	1.1%	-	3.4%	-	3.0%	-	1.5%	-	0.7%	-
2	0.3%	-	0.1%	-	0.7%	-	1.9%	-	1.6%	-	0.9%	-	0.5%	-
3	0.7%	-	0.4%	-	1.2%	-	3.5%	-	2.9%	-	1.6%	-	1.0%	-
4	1.0%	-	0.6%	-	1.8%	-	2.7%	5.1%	3.3%	-	1.9%	-	1.2%	-
5	4.7%	-	3.3%	-	7.5%	8.5%	9.6%	8.3%	11.8%	-	8.6%	9.2%	5.8%	6.2%
6	5.0%	-	3.7%	-	7.7%	-	7.1%	8.5%	10.5%	9.4%	6.4%	-	6.2%	5.7%
7	13.9%	-	12.0%	-	17.6%	-	16.5%	17.5%	15.5%	17.0%	14.5%	-	16.1%	-
8	27.2%	-	26.8%	28.6%	27.8%	-	21.2%	24.1%	21.9%	-	24.4%	-	28.4%	-
9	16.0%	-	17.7%	-	12.7%	-	11.1%	-	10.6%	11.3%	11.3%	-	15.0%	16.0%
10(best)	30.6%	28.7%	35.1%	32.6%	21.9%	20.4%	23.0%	18.4%	19.0%	-	28.9%	-	25.2%	23.8%

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