

**American Housing Survey - Selected Elements Related to Healthy Homes
2011 Cincinnati, OH-KY-IN and 2011 National**

National statistic only reported if Metropolitan Statistical Area (MSA) is $\geq 20\%$ (relative) and 0.25% (absolute) different from national (otherwise "-" is listed).

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
Total Occupied Units(,000)	644	114,907	430	76,091	214	38,816	17	2,103	26	4,126	97	16,060	151	33,161
Total Occupied Units(,000)	162	114,907	110	76,091	53	38,816	4	2,103	2	4,126	20	16,060	151	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	67.9%	-	88.3%	-	27.0%	-	80.7%	44.3%	24.9%	39.6%	43.2%	-	42.5%	-
1, detached	68.9%	-	90.1%	-	24.8%	-	62.3%	44.3%	5.8%	39.6%	41.3%	-	42.5%	-
1, attached	4.8%	5.9%	4.0%	5.4%	6.5%	-	1.1%	5.1%	0.6%	3.4%	6.8%	-	4.7%	7.9%
1, attached	3.6%	5.9%	1.4%	5.4%	8.0%	-	34.0%	5.1%	0.6%	3.4%	4.1%	6.1%	4.7%	7.9%
2 to 4	9.5%	-	2.0%	-	24.6%	19.4%	5.9%	14.8%	29.2%	17.8%	17.7%	13.6%	23.4%	12.9%
2 to 4	7.0%	-	0.7%	1.9%	20.3%	-	3.6%	14.8%	34.9%	17.8%	9.2%	13.6%	23.4%	12.9%
5 to 9	4.6%	-	0.5%	-	12.7%	-	7.9%	-	13.0%	10.3%	8.0%	-	6.6%	-
5 to 9	4.6%	-	1.3%	0.8%	11.4%	-	7.9%	-	31.6%	10.3%	20.0%	8.5%	6.6%	-
10 to 19	5.8%	4.4%	0.9%	-	15.7%	11.6%	0.8%	8.1%	19.5%	7.3%	8.9%	6.9%	10.2%	6.5%
10 to 19	9.8%	4.4%	2.5%	0.7%	24.9%	11.6%	0.8%	8.1%	27.8%	7.3%	18.0%	6.9%	10.2%	6.5%
20 to 49	1.6%	3.2%	<0.1%	0.5%	4.9%	8.5%	0.8%	6.5%	3.0%	6.9%	5.0%	-	5.6%	-
20 to 49	1.1%	3.2%	<0.1%	0.5%	3.4%	8.5%	0.8%	6.5%	3.0%	6.9%	1.6%	5.8%	5.6%	-
50 or more	2.5%	3.6%	0.2%	1.0%	7.2%	8.8%	2.1%	7.0%	3.9%	7.0%	6.4%	-	7.0%	8.7%
50 or more	0.9%	3.6%	0.1%	1.0%	2.6%	8.8%	2.1%	7.0%	3.9%	7.0%	3.5%	6.1%	7.0%	8.7%
Manufactured /mobile home or trailer	3.1%	6.3%	4.0%	7.5%	1.3%	3.9%	0.7%	7.4%	5.9%	7.8%	3.9%	10.3%	<0.1%	1.3%

<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>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>
Manufactured /mobile home or trailer	4.1%	6.3%	3.8%	7.5%	4.7%	-	0.7%	7.4%	5.9%	7.8%	2.4%	10.3%	<0.1%	1.3%
Year Structure Built														
Post-2000	11.3%	13.8%	13.9%	-	6.1%	10.2%	0.9%	5.0%	3.3%	4.4%	5.6%	9.3%	1.8%	10.9%
Post-2000	9.6%	13.8%	12.4%	15.6%	3.8%	10.2%	<0.1%	5.0%	<0.1%	4.4%	2.3%	9.3%	1.8%	10.9%
Post-1980	33.9%	-	37.5%	-	26.8%	-	4.7%	21.1%	13.6%	22.4%	24.8%	31.1%	11.1%	27.7%
Post-1980	41.3%	-	45.2%	-	33.2%	-	<0.1%	21.1%	26.1%	-	39.5%	31.1%	11.1%	27.7%
Pre-1980	66.1%	-	62.5%	-	73.2%	-	95.3%	-	86.4%	-	75.2%	-	88.9%	-
Pre-1980	58.7%	-	54.8%	-	66.8%	-	100%	78.9%	73.9%	-	60.5%	-	88.9%	-
Pre-1960	39.3%	30.9%	36.9%	-	44.3%	33.4%	78.7%	47.2%	48.7%	-	50.9%	34.6%	66.5%	42.7%
Pre-1960	35.1%	-	29.7%	-	46.3%	33.4%	58.8%	-	49.3%	-	40.5%	-	66.5%	42.7%
Pre-1940	19.1%	14.7%	16.6%	12.8%	24.0%	18.5%	45.2%	27.4%	28.4%	-	27.2%	17.2%	44.5%	22.6%
Pre-1940	20.4%	14.7%	15.0%	-	31.8%	18.5%	39.9%	27.4%	33.9%	24.4%	32.4%	17.2%	44.5%	22.6%
Foundation (for 1-unit not manufactured)														
1-Unit not manufactured(,000)	469	80,505	397	66,752	72	13,753	14	1,040	7	1,772	49	7,844	71	18,949
1-Unit not manufactured(,000)	118	80,505	100	66,752	17	13,753	4	1,040	0	1,772	9	7,844	71	18,949
With a basement under all of house	60.0%	32.7%	62.4%	34.4%	47.2%	24.0%	65.1%	32.2%	57.5%	22.1%	54.7%	27.3%	70.4%	31.9%
With a basement under all of house	77.0%	32.7%	80.0%	34.4%	59.6%	24.0%	96.1%	32.2%	57.5%	22.1%	42.5%	27.3%	70.4%	31.9%
With a basement under part of house	15.8%	10.6%	16.6%	11.3%	11.4%	7.2%	15.4%	7.9%	4.5%	8.7%	10.4%	7.3%	20.1%	8.1%
With a basement under part of house	11.2%	-	9.2%	11.3%	22.7%	7.2%	15.4%	7.9%	4.5%	8.7%	41.3%	7.3%	20.1%	8.1%
With a crawl space	8.0%	22.1%	7.9%	21.4%	8.8%	25.3%	4.3%	24.1%	11.4%	40.2%	9.4%	25.9%	0.6%	20.2%
With a crawl space	5.5%	22.1%	6.1%	21.4%	2.0%	25.3%	3.9%	24.1%	100%	40.2%	2.7%	25.9%	0.6%	20.2%

<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>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>
On a concrete slab	15.0%	33.1%	12.0%	31.5%	31.4%	41.1%	15.1%	29.7%	26.7%	-	24.3%	36.4%	8.6%	38.2%
On a concrete slab	4.5%	33.1%	2.8%	31.5%	14.1%	41.1%	15.1%	29.7%	26.7%	-	13.5%	36.4%	8.6%	38.2%
In some other way	1.1%	1.6%	1.1%	1.4%	1.2%	2.4%	<0.1%	6.1%	<0.1%	5.3%	1.3%	3.2%	0.3%	1.6%
In some other way	1.8%	-	1.8%	1.4%	1.6%	2.4%	<0.1%	6.1%	<0.1%	5.3%	1.3%	3.2%	0.3%	1.6%
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EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	1.6%	2.0%	1.5%	1.8%	2.4%	2.9%	12.7%	9.0%	4.7%	11.4%	2.1%	3.8%	0.4%	2.4%
Sagging roof	0.5%	2.0%	0.6%	1.8%	<0.1%	2.9%	<0.1%	9.0%	<0.1%	11.4%	<0.1%	3.8%	0.4%	2.4%
Missing roofing material	3.8%	-	3.5%	-	5.1%	-	3.6%	9.9%	29.5%	14.3%	6.3%	-	5.1%	3.8%
Missing roofing material	2.3%	3.6%	2.7%	3.4%	<0.1%	4.1%	3.9%	9.9%	<0.1%	14.3%	3.3%	5.8%	5.1%	3.8%
Hole in roof	1.5%	-	1.4%	-	2.1%	-	1.3%	7.6%	28.6%	11.9%	4.3%	3.4%	3.6%	1.9%
Hole in roof	0.8%	1.5%	0.7%	1.3%	1.1%	2.4%	<0.1%	7.6%	<0.1%	11.9%	2.0%	3.4%	3.6%	1.9%
Missing bricks, siding, other outside wall material	2.0%	2.5%	1.7%	2.2%	3.5%	-	4.1%	10.7%	7.7%	14.2%	2.0%	5.0%	3.0%	-
Missing bricks, siding, other outside wall material	1.9%	2.5%	2.2%	-	0.7%	3.9%	33.8%	10.7%	<0.1%	14.2%	4.3%	-	3.0%	-
Sloping outside walls	0.7%	1.2%	0.6%	1.0%	1.8%	2.2%	3.5%	5.9%	3.4%	8.4%	1.8%	2.3%	1.2%	1.5%
Sloping outside walls	0.7%	1.2%	0.4%	1.0%	2.1%	-	<0.1%	5.9%	<0.1%	8.4%	3.5%	2.3%	1.2%	1.5%
Boarded up windows	1.3%	-	1.3%	0.9%	1.1%	1.6%	1.0%	4.5%	3.7%	6.1%	1.1%	2.6%	1.8%	-
Boarded up windows	0.6%	1.0%	0.7%	-	<0.1%	1.6%	<0.1%	4.5%	<0.1%	6.1%	3.3%	2.6%	1.8%	-
Broken windows	4.6%	-	4.2%	-	7.0%	-	14.1%	-	15.5%	-	8.2%	-	3.0%	4.8%
Broken windows	1.8%	4.2%	2.0%	3.7%	0.7%	6.6%	<0.1%	14.1%	<0.1%	18.1%	7.6%	-	3.0%	4.8%
Bars on windows	0.4%	2.9%	0.3%	2.7%	0.8%	3.8%	<0.1%	4.2%	<0.1%	7.5%	0.3%	4.8%	1.8%	8.9%
Bars on windows	0.1%	2.9%	0.1%	2.7%	<0.1%	3.8%	<0.1%	4.2%	<0.1%	7.5%	<0.1%	4.8%	1.8%	8.9%
Foundation crumbling or has open crack or hole	10.0%	5.4%	9.7%	5.1%	11.5%	6.8%	39.6%	15.0%	22.5%	-	9.3%	-	10.4%	6.4%

<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>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>
Foundation crumbling or has open crack or hole	13.0%	5.4%	14.2%	5.1%	6.3%	-	7.5%	15.0%	100%	18.5%	11.0%	8.4%	10.4%	6.4%
None of the above	80.5%	-	82.0%	-	72.0%	-	43.4%	64.2%	42.6%	-	75.6%	-	76.9%	-
None of the above	79.1%	-	76.9%	-	90.4%	-	54.9%	-	<0.1%	50.3%	75.8%	-	76.9%	-
None of the above(excluding bars)	80.8%	-	82.3%	-	72.6%	-	43.4%	66.3%	42.6%	53.3%	75.6%	-	78.5%	-
None of the above(excluding bars)	79.1%	-	77.0%	-	90.4%	-	54.9%	66.3%	<0.1%	53.3%	75.8%	-	78.5%	-
Water Leakage During Last 12 Months														
With leakage from outside structure	15.8%	11.0%	17.6%	11.5%	12.3%	-	38.0%	17.4%	39.4%	29.4%	15.5%	11.6%	17.2%	11.6%
With leakage from outside structure	11.0%	-	9.1%	11.5%	15.2%	9.8%	6.7%	17.4%	18.0%	29.4%	17.2%	11.6%	17.2%	11.6%
Roof	6.8%	-	7.6%	-	5.3%	-	16.3%	10.0%	24.6%	16.8%	6.7%	-	9.6%	5.9%
Roof	4.5%	5.7%	2.4%	6.1%	9.0%	4.9%	<0.1%	10.0%	12.2%	16.8%	5.7%	-	9.6%	5.9%
Basement leak	7.4%	2.8%	10.1%	3.4%	1.9%	1.4%	19.0%	2.5%	8.5%	5.1%	4.5%	1.9%	7.3%	2.6%
Basement leak	3.4%	-	3.6%	-	2.9%	1.4%	6.7%	2.5%	<0.1%	5.1%	2.0%	-	7.3%	2.6%
Walls, closed windows, or doors leak	2.7%	-	1.9%	-	4.2%	3.0%	11.4%	4.7%	13.6%	8.9%	5.9%	2.8%	4.1%	2.9%
Walls, closed windows, or doors leak	3.2%	2.2%	2.7%	1.8%	4.3%	3.0%	3.6%	4.7%	<0.1%	8.9%	8.1%	2.8%	4.1%	2.9%
Other or Unknown exterior Leak	1.4%	-	1.2%	-	1.7%	1.3%	12.4%	2.9%	0.6%	3.3%	2.5%	1.3%	2.0%	1.4%
Other or Unknown exterior Leak	0.8%	1.2%	1.0%	-	0.4%	1.3%	<0.1%	2.9%	5.8%	3.3%	1.2%	-	2.0%	1.4%
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INTERIOR														
Damage														
Holes in floors	0.7%	1.0%	0.6%	-	1.0%	1.6%	1.6%	7.2%	8.1%	9.9%	2.3%	-	0.5%	1.3%
Holes in floors	1.3%	-	1.9%	0.7%	<0.1%	1.6%	<0.1%	7.2%	5.8%	9.9%	<0.1%	2.1%	0.5%	1.3%
Open cracks or holes	6.9%	5.2%	6.6%	4.2%	7.6%	-	36.2%	18.1%	33.3%	-	9.7%	-	10.9%	6.7%

<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>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>
Open cracks or holes	2.3%	5.2%	1.1%	4.2%	4.9%	7.1%	3.6%	18.1%	18.0%	29.9%	7.4%	-	10.9%	6.7%
Broken plaster or peeling paint	3.0%	2.1%	2.0%	1.5%	5.0%	3.1%	12.7%	8.3%	28.3%	18.6%	6.5%	3.4%	5.4%	3.2%
Broken plaster or peeling paint	1.3%	2.1%	1.2%	1.5%	1.5%	3.1%	3.6%	8.3%	24.7%	18.6%	1.3%	3.4%	5.4%	3.2%
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Water Leakage During Last 12 Months														
With leakage from inside structure	9.4%	-	7.9%	-	12.4%	-	32.2%	16.2%	22.6%	-	12.6%	-	9.7%	-
With leakage from inside structure	3.6%	8.5%	3.0%	7.2%	4.7%	11.2%	<0.1%	16.2%	19.4%	25.1%	7.5%	11.0%	9.7%	-
Fixtures backed up or overflowed	2.3%	-	1.9%	-	3.2%	2.3%	12.3%	4.9%	3.0%	6.6%	1.8%	2.2%	1.2%	2.2%
Fixtures backed up or overflowed	1.2%	1.9%	1.4%	1.7%	1.0%	2.3%	<0.1%	4.9%	5.9%	-	1.4%	2.2%	1.2%	2.2%
Pipes leaked	3.6%	-	3.5%	-	3.9%	4.9%	16.7%	8.4%	9.4%	12.5%	6.2%	-	5.2%	-
Pipes leaked	0.9%	3.6%	0.9%	2.9%	1.0%	4.9%	<0.1%	8.4%	5.9%	12.5%	0.7%	5.1%	5.2%	-
Broken water heater	1.2%	0.8%	1.1%	-	1.5%	0.8%	2.4%	1.4%	6.1%	2.0%	2.2%	1.0%	1.3%	0.7%
Broken water heater	0.1%	0.8%	0.1%	0.9%	<0.1%	0.8%	<0.1%	1.4%	<0.1%	2.0%	<0.1%	1.0%	1.3%	0.7%
Other or Unknown	2.5%	-	1.7%	-	4.3%	-	3.2%	-	5.1%	-	3.8%	-	2.3%	2.9%
Other or Unknown	1.4%	2.4%	0.7%	1.8%	2.8%	3.6%	<0.1%	3.2%	13.5%	6.0%	5.3%	3.0%	2.3%	2.9%
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Rodents														
Signs of rats in last 3 mon.	0.3%	1.0%	0.2%	0.9%	0.5%	1.3%	1.6%	3.3%	<0.1%	3.6%	0.8%	1.8%	0.5%	1.4%
Signs of rats in last 3 mon.	0.2%	1.0%	0.1%	0.9%	0.5%	1.3%	3.6%	-	<0.1%	3.6%	<0.1%	1.8%	0.5%	1.4%
Signs of mice in last 3 mon.	9.9%	-	11.5%	-	6.7%	10.0%	43.5%	17.7%	13.6%	20.0%	12.3%	-	8.0%	9.9%
Signs of mice in last 3 mon.	7.9%	11.1%	5.7%	11.7%	12.5%	10.0%	<0.1%	17.7%	<0.1%	20.0%	10.0%	12.5%	8.0%	9.9%
Signs of rodents, not sure which kind in last 3 mon.	0.3%	0.6%	0.2%	-	0.4%	0.8%	2.4%	1.5%	1.1%	1.6%	0.8%	1.0%	0.6%	-
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%	0.6%	-

<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>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>
Electrical														
No electrical wiring	<0.1%	0.1%	<0.1%	0.1%	<0.1%	0.2%	<0.1%	3.2%	<0.1%	0.1%	<0.1%	0.3%	<0.1%	0.1%
No electrical wiring	<0.1%	0.1%	<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	2.1%	1.6%	1.4%	-	3.3%	2.1%	1.6%	6.2%	8.2%	3.9%	1.9%	2.5%	2.8%	1.6%
Exposed wiring	3.3%	1.6%	3.1%	1.3%	3.9%	2.1%	3.6%	6.2%	15.9%	3.9%	4.5%	2.5%	2.8%	1.6%
Rooms without electric outlets	1.1%	-	0.5%	-	2.2%	1.2%	3.1%	6.5%	2.4%	-	1.6%	-	2.4%	1.0%
Rooms without electric outlets	0.8%	-	0.6%	-	1.2%	-	3.6%	6.5%	9.1%	2.2%	2.6%	1.4%	2.4%	1.0%
Fuses/breakers blown in last 3 mon.	14.1%	9.4%	14.2%	9.4%	13.8%	9.4%	31.7%	14.7%	23.4%	15.1%	15.1%	9.1%	13.9%	9.6%
Fuses/breakers blown in last 3 mon.	5.8%	9.4%	7.0%	9.4%	3.4%	9.4%	7.2%	14.7%	6.7%	15.1%	7.0%	9.1%	13.9%	9.6%
Sanitation														
Lacking complete kitchen facilities	2.5%	1.7%	0.5%	-	6.5%	4.0%	3.5%	8.4%	60.3%	44.4%	4.7%	3.3%	5.6%	2.8%
Lacking complete kitchen facilities	1.0%	1.7%	<0.1%	0.6%	2.9%	4.0%	<0.1%	8.4%	75.3%	44.4%	2.3%	3.3%	5.6%	2.8%
Lacking some or all plumbing facilities	1.3%	-	1.4%	0.8%	1.2%	2.1%	50.1%	68.2%	<0.1%	0.0%	1.1%	2.1%	3.2%	1.8%
Lacking some or all plumbing facilities	2.2%	1.3%	1.7%	0.8%	3.3%	2.1%	93.3%	68.2%	<0.1%	0.0%	<0.1%	2.1%	3.2%	1.8%
Water not safe to drink	3.1%	8.3%	2.4%	6.2%	4.5%	12.3%	8.4%	14.7%	5.9%	14.9%	3.0%	13.1%	4.0%	10.1%
Water not safe to drink	4.3%	8.3%	4.9%	6.2%	3.2%	12.3%	<0.1%	14.7%	5.8%	14.9%	6.3%	13.1%	4.0%	10.1%
Water stoppage in last 3 mon.	3.8%	-	3.6%	-	4.2%	5.1%	12.0%	8.3%	15.0%	9.4%	2.8%	4.8%	4.1%	-
Water stoppage in last 3 mon.	2.0%	4.0%	2.2%	3.5%	1.8%	5.1%	<0.1%	8.3%	<0.1%	9.4%	4.7%	-	4.1%	-
No flush toilets working some time in last 3 mon.	2.4%	1.9%	1.4%	1.1%	4.4%	3.4%	9.1%	5.7%	16.6%	9.8%	3.1%	-	2.3%	-
No flush toilets working some time in last 3 mon.	0.7%	1.9%	0.3%	1.1%	1.5%	3.4%	<0.1%	5.7%	<0.1%	9.8%	2.5%	3.4%	2.3%	-
With sewage disposal breakdowns in last 3 mon.	1.3%	-	0.9%	1.2%	1.9%	-	8.5%	3.7%	0.7%	5.0%	0.7%	2.0%	1.9%	-

<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>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>
With sewage disposal breakdowns in last 3 mon.	0.2%	1.4%	0.3%	1.2%	<0.1%	1.7%	<0.1%	3.7%	<0.1%	5.0%	<0.1%	2.0%	1.9%	-
Septic tank, cesspool, chemical toilet	13.6%	19.6%	18.4%	25.7%	4.0%	7.5%	8.4%	15.6%	5.7%	16.1%	6.4%	14.7%	<0.1%	1.3%
Septic tank, cesspool, chemical toilet	10.1%	19.6%	13.7%	25.7%	2.7%	7.5%	3.8%	15.6%	<0.1%	16.1%	5.0%	14.7%	<0.1%	1.3%
With septic tank or cesspool breakdowns in last 3 mon.	0.2%	-	0.2%	-	0.2%	-	0.9%	-	<0.1%	0.8%	<0.1%	0.4%	<0.1%	-
With septic tank or cesspool breakdowns in last 3 mon.	<0.1%	0.3%	<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	77.6%	-	83.0%	-	66.6%	-	80.2%	47.8%	67.3%	39.1%	69.2%	-	74.7%	-
Warm-air furnace	71.7%	-	70.7%	-	74.0%	56.7%	26.2%	47.8%	60.2%	39.1%	80.2%	57.3%	74.7%	-
Steam or hot water system	5.6%	11.0%	2.1%	9.7%	12.5%	-	4.3%	18.6%	22.0%	14.0%	12.2%	-	13.6%	-
Steam or hot water system	2.8%	11.0%	2.3%	9.7%	3.9%	13.5%	4.3%	18.6%	14.9%	-	1.0%	10.9%	13.6%	-
Electric heat pump	10.0%	-	11.6%	-	6.8%	9.6%	1.9%	7.1%	2.9%	4.8%	9.6%	-	2.8%	8.5%
Electric heat pump	14.2%	-	16.6%	12.9%	9.3%	-	37.6%	7.1%	6.0%	-	9.8%	-	2.8%	8.5%
Built-in electric units	4.2%	-	1.3%	2.6%	10.0%	7.4%	3.2%	5.2%	5.1%	-	5.4%	-	6.9%	3.9%
Built-in electric units	2.3%	4.2%	1.1%	2.6%	4.7%	7.4%	3.2%	5.2%	12.2%	5.6%	4.2%	5.9%	6.9%	3.9%
Floor, wall, or other built-in hot air without ducts	1.4%	3.9%	0.8%	2.4%	2.6%	6.9%	1.6%	7.0%	<0.1%	5.6%	1.1%	6.7%	1.6%	5.2%
Floor, wall, or other built-in hot air without ducts	7.7%	3.9%	9.0%	2.4%	5.1%	6.9%	36.2%	7.0%	<0.1%	5.6%	4.8%	6.7%	1.6%	5.2%
Room heaters with flue	0.1%	0.8%	0.1%	0.7%	2.8%	1.0%	<0.1%	1.1%	<0.1%	1.1%	0.3%	1.4%	<0.1%	0.6%
Room heaters with flue	1.0%	-	0.1%	0.7%	2.8%	1.0%	<0.1%	1.1%	<0.1%	1.1%	0.3%	1.4%	<0.1%	0.6%
Room heaters without flue	0.3%	1.0%	<0.1%	0.8%	0.8%	1.2%	8.9%	2.5%	1.3%	25.2%	1.7%	2.2%	0.1%	0.7%
Room heaters without flue	0.1%	1.0%	<0.1%	0.8%	0.3%	1.2%	8.9%	2.5%	6.7%	25.2%	1.7%	2.2%	0.1%	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>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>
Portable electric heaters	0.2%	1.2%	0.3%	0.9%	0.1%	1.8%	<0.1%	3.9%	<0.1%	2.0%	<0.1%	3.0%	0.1%	1.4%
Stoves	0.3%	0.9%	0.4%	1.2%	0.2%	0.5%	<0.1%	4.0%	0.8%	1.0%	0.4%	1.2%	<0.1%	0.1%
Stoves	0.1%	0.9%	0.1%	1.2%	0.2%	0.5%	<0.1%	4.0%	0.8%	1.0%	0.4%	1.2%	<0.1%	0.1%
Fireplace with inserts	0.2%	-	0.3%	-	<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%	<0.1%
Other	0.2%	-	0.1%	-	0.4%	-	<0.1%	1.1%	0.7%	0.3%	<0.1%	0.7%	0.3%	-
No heating equipment	<0.1%	0.4%	<0.1%	0.3%	<0.1%	0.7%	<0.1%	-	<0.1%	0.7%	<0.1%	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%
<hr/>														
Water Heating Fuel														
Electricity	43.9%	-	42.3%	-	47.3%	-	23.3%	38.7%	29.7%	39.0%	49.4%	-	24.9%	31.9%
Electricity	53.7%	41.3%	49.3%	39.0%	62.8%	45.7%	81.3%	38.7%	57.0%	39.0%	57.5%	-	24.9%	31.9%
Gas, LP/bottled gas	55.5%	-	57.1%	-	52.4%	-	76.7%	53.8%	69.7%	55.2%	50.1%	-	74.7%	-
Gas, LP/bottled gas	46.1%	-	50.6%	-	37.0%	49.7%	18.7%	53.8%	43.0%	55.2%	42.5%	-	74.7%	-
Fuel oil	0.1%	4.1%	0.1%	4.0%	0.2%	4.3%	<0.1%	6.5%	<0.1%	5.1%	<0.1%	3.6%	<0.1%	5.0%
Fuel oil	0.2%	4.1%	0.1%	4.0%	0.2%	4.3%	<0.1%	6.5%	<0.1%	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	0.4%	-	0.6%	-	0.1%	-	<0.1%	1.0%	0.6%	-	0.4%	-	0.4%	-
Clothes Dryer,(,000)	514	93,052	418	72,397	96	20,655	12	1,139	9	2,344	54	9,825	83	21,908
Clothes Dryer,(,000)	140	93,052	109	72,397	31	20,655	4	1,139	1	2,344	12	9,825	83	21,908
Have Clothes Dryer	79.8%	-	97.2%	-	44.7%	-	70.2%	54.2%	37.1%	56.8%	55.7%	-	54.8%	66.1%
Have Clothes Dryer	86.2%	-	99.1%	-	59.2%	-	96.4%	54.2%	50.5%	-	59.8%	-	54.8%	66.1%
Electricity	89.5%	-	88.2%	-	94.9%	-	78.7%	-	92.7%	-	93.1%	-	78.5%	-
Electricity	90.1%	-	89.7%	-	91.5%	-	59.3%	78.9%	70.5%	-	91.0%	-	78.5%	-
Gas, LP gas (liquid propane)	10.5%	21.8%	11.8%	23.5%	4.9%	15.8%	21.3%	-	7.3%	17.5%	6.6%	17.8%	21.5%	-
Gas, LP gas (liquid propane)	9.9%	21.8%	10.3%	23.5%	8.5%	15.8%	40.7%	21.0%	29.5%	17.5%	9.0%	17.8%	21.5%	-
Other	<0.1%	-	<0.1%	<0.1%	0.2%	-	<0.1%	0.1%	<0.1%	<0.1%	0.4%	-	<0.1%	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>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>
Heating Problems														
Uncomfortably cold for 24 hours or more last winter	11.8%	9.1%	10.6%	7.7%	15.0%	-	56.7%	43.7%	29.1%	22.2%	20.0%	13.7%	17.4%	10.1%
Uncomfortably cold for 24 hours or more last winter	4.1%	9.1%	4.6%	7.7%	2.8%	12.5%	6.8%	43.7%	28.0%	22.2%	3.9%	13.7%	17.4%	10.1%
Heating equipment breakdowns	3.4%	2.3%	3.3%	1.9%	3.4%	-	54.2%	31.2%	10.5%	4.1%	6.5%	3.8%	5.3%	3.0%
Heating equipment breakdowns	0.4%	2.3%	0.3%	1.9%	0.6%	3.2%	3.1%	31.2%	<0.1%	4.1%	<0.1%	3.8%	5.3%	3.0%
Other causes	7.7%	5.9%	7.6%	5.5%	7.8%	-	11.3%	-	15.6%	-	10.0%	-	9.3%	6.0%
Other causes	3.2%	5.9%	4.1%	5.5%	1.5%	6.7%	3.7%	11.0%	18.0%	-	3.6%	8.0%	9.3%	6.0%
Utility interruption	2.9%	1.9%	3.5%	2.3%	1.5%	1.1%	1.9%	1.5%	2.0%	-	4.7%	1.6%	1.8%	1.1%
Utility interruption	0.9%	1.9%	1.3%	2.3%	<0.1%	1.1%	<0.1%	1.5%	<0.1%	1.9%	<0.1%	1.6%	1.8%	1.1%
Inadequate heating capacity	1.5%	1.1%	0.9%	-	2.6%	2.0%	0.8%	3.9%	3.5%	5.4%	1.2%	2.2%	3.0%	1.7%
Inadequate heating capacity	0.6%	1.1%	0.4%	0.7%	1.0%	2.0%	3.7%	-	12.2%	5.4%	1.9%	-	3.0%	1.7%
Inadequate insulation	1.5%	1.1%	1.2%	0.7%	2.3%	1.8%	8.6%	3.1%	8.8%	5.0%	1.9%	-	2.5%	1.4%
Inadequate insulation	0.3%	1.1%	0.2%	0.7%	0.5%	1.8%	<0.1%	3.1%	5.8%	-	0.7%	2.0%	2.5%	1.4%
Cost of heating	1.1%	-	1.4%	1.0%	0.7%	1.1%	<0.1%	1.7%	1.3%	2.8%	0.9%	1.3%	0.9%	-
Cost of heating	0.1%	1.0%	0.2%	1.0%	<0.1%	1.1%	<0.1%	1.7%	<0.1%	2.8%	<0.1%	1.3%	0.9%	-
Other	1.0%	1.3%	0.7%	1.2%	1.6%	-	<0.1%	3.5%	1.1%	3.2%	1.8%	-	1.7%	-
Other	1.4%	-	2.0%	1.2%	<0.1%	1.6%	<0.1%	3.5%	5.8%	3.2%	1.0%	1.8%	1.7%	-
SELECTED PHYSICAL PROBLEMS														
Severe Physical Problems(,000)	17	2,103	12	907	5	1,196	17	2,103	.	.	5	522	10	909
Severe Physical Problems(,000)	4	2,103	2	907	2	1,196	4	2,103	.	.	0	522	10	909
Severe physical problems	2.7%	1.8%	2.7%	1.2%	2.5%	3.1%	100%	-	.	.	5.4%	3.3%	6.5%	2.7%
Severe physical problems	2.4%	1.8%	1.8%	1.2%	3.5%	-	100%	-	.	.	0.7%	3.3%	6.5%	2.7%

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City		
	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	
Plumbing	1.3%	-	1.4%	0.8%	1.2%	2.1%	50.1%	68.2%	.	.	1.1%	2.1%	3.2%	1.8%	
Plumbing	2.2%	1.2%	1.7%	0.8%	3.3%	2.1%	93.3%	68.2%	.	.	<0.1%	2.1%	3.2%	1.8%	
Heating	1.3%	0.5%	1.3%	0.3%	1.2%	-	48.4%	28.6%	.	.	4.1%	1.1%	3.1%	0.8%	
Heating	0.1%	0.5%	0.1%	-	<0.1%	0.9%	3.1%	28.6%	.	.	<0.1%	1.1%	3.1%	0.8%	
Electric	<0.1%	-	<0.1%	0.1%	0.1%	-	0.8%	3.1%	.	.	<0.1%	0.1%	0.1%	-	
Electric	0.1%	-	<0.1%	0.1%	0.3%	-	3.6%	-	.	.	0.7%	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%	
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%	-	0.8%	2.5%	.	.	0.1%	-	0.1%	-	
Upkeep	<0.1%	-	<0.1%	-	<0.1%	0.1%	<0.1%	2.5%	.	.	<0.1%	0.1%	0.1%	-	
Moderate Physical Problems(,000)	26	4,126	7	1,568	19	2,558	.	.	26	4,126	8	1,170	13	1,628	
Moderate Physical Problems(,000)	2	4,126	0	1,568	2	2,558	.	.	2	4,126	1	1,170	13	1,628	
Moderate physical problems	4.0%	-	1.6%	2.1%	8.7%	6.6%	.	.	100%	-	7.8%	-	8.8%	4.9%	
Moderate physical problems	1.3%	3.6%	0.1%	2.1%	3.7%	6.6%	.	.	100%	-	3.6%	7.3%	8.8%	4.9%	
Plumbing	<0.1%	-	<0.1%	0.1%	<0.1%	0.4%	.	.	<0.1%	5.2%	<0.1%	0.4%	<0.1%	0.3%	
Plumbing	<0.1%	0.2%	<0.1%	0.1%	<0.1%	0.4%	.	.	<0.1%	5.2%	<0.1%	0.4%	<0.1%	0.3%	
Heating	0.1%	0.9%	<0.1%	0.8%	0.1%	1.1%	.	.	1.3%	25.2%	0.1%	2.1%	0.1%	0.7%	
Heating	0.1%	0.9%	<0.1%	0.8%	0.3%	1.1%	.	.	6.7%	25.2%	<0.1%	2.1%	0.1%	0.7%	
Upkeep	2.4%	1.6%	0.5%	-	6.2%	3.7%	.	.	60.3%	44.4%	4.1%	2.9%	5.5%	2.6%	
Upkeep	1.0%	1.6%	<0.1%	0.5%	2.9%	3.7%	.	.	75.3%	44.4%	2.3%	2.9%	5.5%	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%	
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	1.5%	1.0%	1.1%	0.7%	2.5%	1.7%	.	.	38.9%	28.2%	3.7%	2.3%	3.4%	1.6%	
Kitchen	0.2%	1.0%	0.1%	0.7%	0.5%	1.7%	.	.	18.0%	28.2%	1.3%	2.3%	3.4%	1.6%	
OVERALL OPINION OF STRUCTURE															
1(worst)	0.2%	0.6%	0.1%	-	0.3%	1.1%	0.8%	3.4%	0.5%	3.0%	0.3%	1.5%	0.2%	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>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>
1(worst)	0.4%	-	0.2%	-	1.0%	-	0.8%	3.4%	0.5%	3.0%	3.0%	1.5%	0.2%	0.7%
2	0.3%	-	0.2%	-	0.7%	-	2.7%	1.9%	0.5%	1.6%	1.0%	-	0.4%	-
2	0.2%	-	0.1%	-	0.3%	0.7%	2.7%	1.9%	0.5%	1.6%	<0.1%	0.9%	0.4%	-
3	0.8%	-	0.6%	0.4%	1.1%	-	12.2%	3.5%	2.1%	2.9%	3.3%	1.6%	2.1%	1.0%
3	0.2%	0.7%	0.2%	-	0.2%	1.2%	12.2%	3.5%	5.9%	2.9%	3.3%	1.6%	2.1%	1.0%
4	1.4%	1.0%	0.4%	-	3.2%	1.8%	<0.1%	2.7%	3.4%	-	2.7%	1.9%	1.4%	-
4	0.9%	-	0.6%	-	1.4%	1.8%	<0.1%	2.7%	12.2%	3.3%	3.6%	1.9%	1.4%	-
5	5.6%	-	5.5%	3.3%	5.8%	7.5%	13.5%	9.6%	12.0%	-	5.9%	8.6%	5.3%	-
5	3.2%	4.7%	2.7%	3.3%	4.2%	7.5%	13.5%	9.6%	12.0%	-	4.8%	8.6%	5.3%	-
6	4.5%	-	3.2%	-	7.0%	-	3.5%	7.1%	12.3%	-	7.4%	-	6.2%	-
6	6.4%	5.0%	4.3%	-	11.0%	7.7%	7.5%	-	6.7%	10.5%	13.7%	6.4%	6.2%	-
7	16.9%	-	14.2%	-	22.1%	17.6%	23.9%	16.5%	25.1%	15.5%	16.8%	-	23.5%	16.1%
7	21.5%	13.9%	20.6%	12.0%	23.5%	17.6%	32.5%	16.5%	27.2%	15.5%	17.9%	-	23.5%	16.1%
8	28.1%	-	27.7%	-	29.0%	-	20.2%	-	22.1%	-	30.4%	-	30.6%	-
8	21.4%	27.2%	20.9%	26.8%	22.5%	27.8%	13.9%	21.2%	27.7%	21.9%	21.9%	-	30.6%	-
9	15.9%	-	18.0%	-	11.7%	-	16.8%	11.1%	7.3%	10.6%	8.6%	11.3%	15.7%	-
9	16.6%	-	16.9%	-	16.1%	12.7%	3.6%	11.1%	20.1%	10.6%	17.1%	11.3%	15.7%	-
10(best)	26.3%	-	30.0%	-	19.0%	-	6.3%	23.0%	14.6%	19.0%	23.5%	28.9%	14.5%	25.2%
10(best)	29.2%	-	33.5%	-	19.8%	-	42.5%	23.0%	14.6%	19.0%	18.1%	28.9%	14.5%	25.2%

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