

**American Housing Survey - Selected Elements Related to Healthy Homes
2011 Birmingham, AL 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)	425	114,907	310	76,091	116	38,816	12	2,103	15	4,126	72	16,060	94	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%
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Units in Structure														
1, detached	72.8%	-	85.8%	-	38.0%	28.6%	57.7%	44.3%	70.0%	39.6%	59.3%	42.7%	66.5%	49.3%
1, attached	3.4%	5.9%	2.2%	5.4%	6.5%	-	2.4%	5.1%	2.5%	3.4%	6.2%	-	2.1%	7.9%
2 to 4	2.8%	7.8%	0.6%	1.9%	8.6%	19.4%	15.4%	-	2.0%	17.8%	6.5%	13.6%	4.3%	12.9%
5 to 9	2.3%	4.7%	0.1%	0.8%	8.2%	12.3%	<0.1%	6.9%	6.9%	10.3%	4.6%	8.5%	3.9%	7.4%
10 to 19	4.6%	-	0.3%	0.7%	15.9%	11.6%	2.1%	8.1%	2.6%	7.3%	4.3%	6.9%	8.4%	6.5%
20 to 49	3.1%	-	<0.1%	0.5%	11.6%	8.5%	14.1%	6.5%	0.5%	6.9%	1.8%	5.8%	7.1%	-
50 or more	0.7%	3.6%	<0.1%	1.0%	2.6%	8.8%	<0.1%	7.0%	0.5%	7.0%	2.5%	6.1%	3.0%	8.7%
Manufactured /mobile home or trailer	10.2%	6.3%	10.9%	7.5%	8.5%	3.9%	8.3%	-	15.1%	7.8%	14.8%	10.3%	4.6%	1.3%
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Year Structure Built														
Post-2000	12.3%	-	15.1%	-	4.9%	10.2%	0.7%	5.0%	4.6%	-	4.7%	9.3%	2.1%	10.9%
Post-1980	46.0%	-	50.5%	-	33.7%	-	28.0%	21.1%	22.7%	-	26.7%	-	15.4%	27.7%
Pre-1980	54.0%	-	49.5%	-	66.3%	-	72.0%	-	77.3%	-	73.3%	-	84.6%	-
Pre-1960	26.3%	-	24.0%	29.5%	32.4%	-	39.9%	-	45.5%	-	36.3%	-	54.6%	42.7%
Pre-1940	9.0%	14.7%	7.3%	12.8%	13.7%	18.5%	2.4%	27.4%	20.7%	-	12.5%	17.2%	23.2%	-

<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>
Foundation (for 1-unit not manufactured)														
1-Unit not manufactured(,000)	324	80,505	273	66,752	52	13,753	7	1,040	11	1,772	47	7,844	64	18,949
With a basement under all of house	25.9%	32.7%	28.1%	34.4%	14.2%	24.0%	6.6%	32.2%	10.8%	22.1%	18.7%	27.3%	20.7%	31.9%
With a basement under part of house	10.8%	-	11.5%	-	6.7%	-	8.6%	-	8.2%	-	5.4%	7.3%	11.4%	8.1%
With a crawl space	35.1%	22.1%	34.9%	21.4%	36.2%	25.3%	31.0%	24.1%	56.1%	40.2%	39.9%	25.9%	37.4%	20.2%
On a concrete slab	27.3%	33.1%	24.7%	31.5%	41.0%	-	51.8%	29.7%	21.8%	-	35.0%	-	29.3%	38.2%
In some other way	1.0%	1.6%	0.8%	1.4%	1.8%	2.4%	2.0%	6.1%	3.1%	5.3%	1.0%	3.2%	1.2%	1.6%
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EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	3.8%	2.0%	3.0%	1.8%	8.0%	2.9%	29.5%	9.0%	27.5%	11.4%	9.6%	3.8%	13.3%	2.4%
Missing roofing material	5.0%	3.6%	4.5%	3.4%	7.5%	4.1%	9.1%	-	24.0%	14.3%	10.1%	5.8%	6.9%	3.8%
Hole in roof	2.6%	1.5%	1.9%	1.3%	6.4%	2.4%	9.3%	-	27.0%	11.9%	7.9%	3.4%	5.3%	1.9%
Missing bricks, siding, other outside wall material	2.9%	-	2.6%	-	4.4%	-	8.1%	10.7%	16.8%	-	5.5%	-	6.5%	3.2%
Sloping outside walls	1.8%	1.2%	1.1%	-	5.4%	2.2%	8.4%	5.9%	23.9%	8.4%	5.8%	2.3%	5.3%	1.5%
Boarded up windows	1.5%	1.0%	0.9%	-	4.4%	1.6%	2.5%	4.5%	9.9%	6.1%	5.5%	2.6%	3.6%	1.5%
Broken windows	6.1%	4.2%	4.5%	-	13.7%	6.6%	8.9%	14.1%	20.5%	-	10.6%	-	8.2%	4.8%
Bars on windows	5.7%	2.9%	5.9%	2.7%	4.7%	-	2.7%	4.2%	6.9%	-	6.4%	4.8%	22.0%	8.9%
Foundation crumbling or has open crack or hole	7.6%	5.4%	6.3%	-	14.1%	6.8%	30.3%	15.0%	17.9%	-	19.0%	8.4%	12.6%	6.4%
None of the above	74.7%	-	77.6%	-	60.4%	76.8%	54.2%	-	41.0%	50.3%	58.5%	72.3%	46.6%	75.3%
None of the above(excluding bars)	79.1%	-	82.2%	-	63.5%	79.5%	56.0%	-	41.4%	53.3%	61.3%	75.6%	64.6%	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>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 leakage from outside structure	11.0%	-	10.4%	-	12.6%	9.8%	28.6%	17.4%	40.5%	29.4%	15.1%	11.6%	12.7%	-
Roof	8.2%	5.7%	7.8%	6.1%	9.4%	4.9%	11.8%	-	34.0%	16.8%	10.9%	6.5%	9.6%	5.9%
Basement leak	0.9%	2.8%	1.1%	3.4%	0.5%	1.4%	1.8%	2.5%	2.6%	5.1%	0.6%	1.9%	1.0%	2.6%
Walls, closed windows, or doors leak	1.9%	-	1.5%	-	3.0%	-	16.2%	4.7%	6.8%	8.9%	4.4%	2.8%	2.3%	2.9%
Other or Unknown exterior Leak	0.6%	1.2%	0.6%	1.1%	0.6%	1.3%	3.0%	-	0.9%	3.3%	0.5%	1.3%	0.3%	1.4%
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INTERIOR														
Damage														
Holes in floors	1.6%	1.0%	0.9%	-	3.6%	1.6%	22.9%	7.2%	12.6%	9.9%	5.8%	2.1%	2.7%	1.3%
Open cracks or holes	7.3%	5.2%	4.7%	-	14.2%	7.1%	27.7%	18.1%	30.6%	-	16.4%	8.6%	12.6%	6.7%
Broken plaster or peeling paint	3.0%	2.1%	2.4%	1.5%	4.6%	3.1%	22.6%	8.3%	18.2%	-	7.1%	3.4%	5.9%	3.2%
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Water Leakage During Last 12 Months														
With leakage from inside structure	10.0%	-	8.0%	-	15.4%	11.2%	12.0%	16.2%	19.7%	25.1%	8.4%	11.0%	12.2%	-
Fixtures backed up or overflowed	2.1%	-	1.8%	-	2.8%	-	4.3%	-	9.5%	6.6%	2.5%	-	2.2%	-
Pipes leaked	4.0%	-	2.3%	2.9%	8.4%	4.9%	8.5%	-	7.3%	12.5%	4.7%	-	4.0%	-
Broken water heater	1.1%	0.8%	1.0%	-	1.5%	0.8%	1.8%	1.4%	2.4%	-	0.9%	-	0.7%	-
Other or Unknown	3.1%	2.4%	3.0%	1.8%	3.5%	-	0.6%	3.2%	1.4%	6.0%	0.9%	3.0%	5.3%	2.9%
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Rodents														
Signs of rats in last 3 mon.	1.4%	1.0%	1.4%	0.9%	1.6%	-	4.1%	-	4.2%	-	2.7%	1.8%	2.0%	1.4%
Signs of mice in last 3 mon.	10.7%	-	11.7%	-	8.2%	10.0%	7.2%	17.7%	27.5%	20.0%	15.1%	-	14.3%	9.9%

<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>
Signs of rodents, not sure which kind in last 3 mon.	1.7%	0.6%	0.8%	0.5%	4.3%	0.8%	12.9%	1.5%	12.9%	1.6%	7.2%	1.0%	5.0%	0.7%
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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%
Exposed wiring	1.1%	1.6%	0.9%	1.3%	1.7%	2.1%	2.6%	6.2%	3.8%	-	2.1%	-	0.9%	1.6%
Rooms without electric outlets	1.6%	0.8%	1.7%	0.6%	1.4%	-	3.1%	6.5%	3.4%	2.2%	2.0%	1.4%	1.6%	1.0%
Fuses/breakers blown in last 3 mon.	11.1%	-	8.9%	-	17.1%	9.4%	34.1%	14.7%	15.1%	-	14.0%	9.1%	14.5%	9.6%
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Sanitation														
Lacking complete kitchen facilities	0.8%	1.7%	0.3%	0.6%	2.4%	4.0%	13.7%	8.4%	13.2%	44.4%	2.9%	-	2.7%	-
Lacking some or all plumbing facilities	2.2%	1.3%	1.3%	0.8%	4.6%	2.1%	79.5%	-	<0.1%	0.0%	5.4%	2.1%	6.0%	1.8%
Water not safe to drink	4.1%	8.3%	3.8%	6.2%	4.8%	12.3%	3.2%	14.7%	3.3%	14.9%	2.4%	13.1%	8.8%	-
Water stoppage in last 3 mon.	3.6%	-	3.4%	-	4.4%	-	4.1%	8.3%	8.1%	-	3.2%	4.8%	4.6%	-
No flush toilets working some time in last 3 mon.	1.3%	1.9%	0.9%	-	2.3%	3.4%	8.1%	5.7%	9.9%	-	3.6%	-	1.4%	2.5%
With sewage disposal breakdowns in last 3 mon.	1.7%	-	1.0%	-	3.7%	1.7%	13.9%	3.7%	3.8%	5.0%	4.1%	2.0%	4.1%	1.6%
Septic tank, cesspool, chemical toilet	33.7%	19.6%	41.3%	25.7%	13.5%	7.5%	20.4%	15.6%	44.6%	16.1%	31.2%	14.7%	10.2%	1.3%
With septic tank or cesspool breakdowns in last 3 mon.	0.3%	-	0.4%	-	0.1%	-	<0.1%	0.8%	1.0%	-	0.6%	-	<0.1%	-
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HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	64.9%	-	66.3%	-	61.3%	-	33.1%	47.8%	23.4%	39.1%	60.2%	-	71.9%	-
Steam or hot water system	0.4%	11.0%	0.3%	9.7%	0.7%	13.5%	1.3%	18.6%	0.5%	14.0%	0.6%	10.9%	0.9%	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>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>
Electric heat pump	25.2%	11.8%	25.4%	12.9%	24.6%	9.6%	35.5%	7.1%	5.9%	-	18.9%	9.7%	15.3%	8.5%
Built-in electric units	0.5%	4.2%	0.5%	2.6%	0.6%	7.4%	0.7%	5.2%	1.5%	5.6%	0.8%	5.9%	1.2%	3.9%
Floor, wall, or other built-in hot air without ducts	3.1%	3.9%	2.8%	-	3.7%	6.9%	8.0%	-	2.4%	5.6%	3.5%	6.7%	2.7%	5.2%
Room heaters with flue	1.0%	-	1.0%	0.7%	1.1%	-	2.1%	1.1%	1.6%	1.1%	1.8%	-	0.8%	-
Room heaters without flue	2.1%	1.0%	1.7%	0.8%	3.1%	1.2%	2.4%	-	57.1%	25.2%	6.6%	2.2%	2.0%	0.7%
Portable electric heaters	1.9%	1.2%	1.3%	0.9%	3.4%	1.8%	14.5%	3.9%	6.5%	2.0%	5.6%	3.0%	4.2%	1.4%
Stoves	0.3%	0.9%	0.2%	1.2%	0.3%	-	1.1%	4.0%	<0.1%	1.0%	0.7%	1.2%	<0.1%	0.1%
Fireplace with inserts	0.2%	-	0.2%	-	<0.1%	<0.1%	<0.1%	0.1%	<0.1%	0.1%	0.2%	-	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	0.3%	-	0.1%	-	0.8%	0.4%	1.4%	1.1%	0.3%	-	1.0%	0.7%	0.7%	0.3%
No heating equipment	0.1%	0.4%	<0.1%	0.3%	0.2%	0.7%	<0.1%	1.1%	<0.1%	0.7%	<0.1%	0.6%	0.1%	0.7%
Cooking stove	0.1%	-	0.1%	-	<0.1%	0.1%	<0.1%	0.2%	0.8%	0.3%	0.2%	-	<0.1%	0.1%
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Water Heating Fuel														
Electricity	55.1%	41.3%	50.4%	39.0%	67.8%	45.7%	78.5%	38.7%	60.6%	39.0%	60.2%	46.9%	48.2%	31.9%
Gas, LP/bottled gas	44.8%	54.3%	49.4%	-	32.1%	49.7%	21.5%	53.8%	38.2%	55.2%	39.2%	49.2%	51.8%	62.8%
Fuel oil	<0.1%	4.1%	<0.1%	4.0%	<0.1%	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%	1.2%	0.1%	0.3%	-	<0.1%	<0.1%
Other	0.1%	0.4%	0.1%	0.4%	0.1%	-	<0.1%	1.0%	<0.1%	0.5%	0.3%	-	<0.1%	0.2%
Clothes Dryer,(000)	386	93,052	304	72,397	82	20,655	9	1,139	11	2,344	57	9,825	73	21,908
Have Clothes Dryer	90.7%	-	98.1%	-	70.8%	53.2%	78.3%	54.2%	70.6%	-	79.4%	61.2%	78.0%	-
Electricity	95.9%	-	95.1%	-	99.0%	-	97.5%	-	95.2%	-	98.0%	-	93.1%	74.3%
Gas, LP gas (liquid propane)	4.0%	21.8%	4.9%	23.5%	1.0%	15.8%	2.5%	21.0%	4.8%	17.5%	1.8%	17.8%	6.8%	25.6%
Other	<0.1%	-	0.1%	-	<0.1%	0.1%	<0.1%	0.1%	<0.1%	<0.1%	0.1%	-	0.1%	-
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Heating Problems														

<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>
Uncomfortably cold for 24 hours or more last winter	9.4%	-	8.9%	-	11.2%	-	30.9%	43.7%	25.8%	-	15.2%	-	16.4%	10.1%
Heating equipment breakdowns	2.4%	-	1.9%	-	3.9%	-	19.2%	31.2%	5.0%	-	4.8%	-	2.9%	-
Other causes	6.1%	-	6.7%	-	4.5%	6.7%	6.6%	11.0%	18.8%	-	8.4%	-	11.1%	6.0%
Utility interruption	2.2%	-	2.6%	-	1.3%	-	<0.1%	1.5%	2.8%	1.9%	2.8%	1.6%	3.1%	1.1%
Inadequate heating capacity	1.4%	-	1.3%	0.7%	1.5%	2.0%	2.4%	3.9%	9.3%	5.4%	2.7%	-	2.4%	1.7%
Inadequate insulation	0.6%	1.1%	0.5%	-	1.1%	1.8%	<0.1%	3.1%	3.7%	5.0%	0.9%	2.0%	0.4%	1.4%
Cost of heating	1.5%	1.0%	1.8%	1.0%	0.6%	1.1%	3.1%	1.7%	4.7%	2.8%	1.7%	1.3%	4.3%	0.8%
Other	0.7%	1.3%	0.7%	1.2%	0.5%	1.6%	1.0%	3.5%	0.9%	3.2%	0.6%	1.8%	0.9%	1.6%

SELECTED PHYSICAL PROBLEMS

Severe Physical Problems(,000)	12	2,103	5	907	7	1,196	12	2,103	.	.	5	522	6	909
Severe physical problems	2.8%	1.8%	1.7%	1.2%	5.8%	3.1%	100%	-	.	.	6.9%	3.3%	6.5%	2.7%
Plumbing	2.2%	1.2%	1.3%	0.8%	4.6%	2.1%	79.5%	-	.	.	5.4%	2.1%	6.0%	1.8%
Heating	0.5%	-	0.3%	-	1.0%	-	17.9%	28.6%	.	.	1.1%	-	0.3%	0.8%
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%	-	0.2%	-	2.6%	-	.	.	0.4%	0.1%	0.2%	-
Moderate Physical Problems(,000)	15	4,126	9	1,568	6	2,558	.	.	15	4,126	8	1,170	4	1,628
Moderate physical problems	3.5%	-	2.8%	2.1%	5.5%	-	.	.	100%	-	10.5%	7.3%	4.3%	-
Plumbing	0.3%	-	0.3%	-	0.2%	-	.	.	7.3%	5.2%	0.8%	0.4%	0.3%	-
Heating	2.0%	0.9%	1.6%	0.8%	3.1%	1.1%	.	.	57.1%	25.2%	6.4%	2.1%	2.0%	0.7%
Upkeep	0.5%	1.6%	0.3%	0.5%	1.0%	3.7%	.	.	13.2%	44.4%	0.8%	2.9%	1.0%	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	1.0%	-	0.8%	-	1.4%	-	.	.	27.3%	-	3.0%	2.3%	1.2%	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>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>
OVERALL OPINION OF STRUCTURE														
1(worst)	1.2%	0.6%	0.2%	-	4.0%	1.1%	3.5%	-	12.1%	3.0%	3.6%	1.5%	4.2%	0.7%
2	0.3%	-	0.1%	-	0.8%	-	1.2%	1.9%	1.4%	-	0.7%	0.9%	0.5%	-
3	0.5%	-	0.3%	-	1.1%	-	0.7%	3.5%	3.0%	-	1.4%	-	1.1%	-
4	0.8%	-	0.4%	-	1.9%	-	2.0%	2.7%	3.1%	-	2.3%	-	1.2%	-
5	6.1%	4.7%	4.3%	3.3%	10.7%	7.5%	5.5%	9.6%	12.5%	-	9.2%	-	9.2%	5.8%
6	4.3%	-	3.0%	-	7.5%	-	17.8%	7.1%	12.4%	-	7.3%	-	6.8%	-
7	14.2%	-	11.2%	-	22.2%	17.6%	19.6%	-	13.5%	-	12.9%	-	14.2%	-
8	27.2%	-	28.3%	-	24.3%	-	23.1%	-	16.4%	21.9%	20.7%	-	35.3%	-
9	14.6%	-	16.8%	-	8.8%	12.7%	16.8%	11.1%	7.5%	10.6%	9.8%	-	10.1%	15.0%
10(best)	30.8%	-	35.4%	-	18.7%	-	9.7%	23.0%	18.1%	-	32.0%	-	17.5%	25.2%

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