

**American Housing Survey - Selected Elements Related to Healthy Homes
2011 Atlanta, GA 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)	1,891	114,907	1,198	76,091	693	38,816	26	2,103	51	4,126	274	16,060	238	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	69.3%	-	90.0%	-	33.3%	-	36.8%	44.3%	43.3%	-	54.1%	42.7%	44.6%	-
1, attached	5.5%	-	4.2%	5.4%	7.9%	-	9.9%	5.1%	1.8%	3.4%	3.6%	6.1%	5.7%	7.9%
2 to 4	4.2%	7.8%	0.3%	1.9%	11.0%	19.4%	6.0%	14.8%	6.6%	17.8%	6.5%	13.6%	7.3%	12.9%
5 to 9	5.9%	4.7%	0.8%	-	14.7%	-	13.6%	6.9%	7.4%	10.3%	9.4%	-	7.6%	-
10 to 19	6.7%	4.4%	0.4%	0.7%	17.5%	11.6%	10.7%	8.1%	19.9%	7.3%	11.6%	6.9%	12.1%	6.5%
20 to 49	2.4%	3.2%	0.1%	0.5%	6.4%	8.5%	10.8%	6.5%	5.8%	-	4.3%	5.8%	4.8%	6.1%
50 or more	2.9%	3.6%	0.9%	-	6.4%	8.8%	3.0%	7.0%	4.3%	7.0%	3.4%	6.1%	17.0%	8.7%
Manufactured /mobile home or trailer	3.2%	6.3%	3.4%	7.5%	2.9%	3.9%	9.3%	7.4%	10.8%	7.8%	7.0%	10.3%	1.0%	1.3%
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Year Structure Built														
Post-2000	22.6%	13.8%	26.6%	15.6%	15.6%	10.2%	8.1%	5.0%	6.8%	4.4%	13.5%	9.3%	21.0%	10.9%
Post-1980	62.4%	38.7%	66.9%	42.1%	54.5%	32.2%	42.9%	21.1%	47.4%	22.4%	47.6%	31.1%	38.3%	27.7%
Pre-1980	37.6%	61.3%	33.1%	57.9%	45.5%	67.8%	57.1%	78.9%	52.6%	77.6%	52.4%	68.9%	61.7%	-
Pre-1960	11.7%	30.9%	10.2%	29.5%	14.2%	33.4%	9.4%	47.2%	19.6%	45.7%	16.3%	34.6%	38.0%	-
Pre-1940	2.3%	14.7%	1.6%	12.8%	3.5%	18.5%	<0.1%	27.4%	5.1%	24.4%	3.5%	17.2%	10.0%	22.6%

<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>
Foundation (for 1-unit not manufactured)														
1-Unit not manufactured(,000)	1,414	80,505	1,128	66,752	285	13,753	12	1,040	23	1,772	158	7,844	120	18,949
With a basement under all of house	25.9%	32.7%	29.1%	-	13.3%	24.0%	6.3%	32.2%	22.1%	-	16.3%	27.3%	22.1%	31.9%
With a basement under part of house	12.4%	-	12.8%	-	10.5%	7.2%	9.3%	-	12.0%	8.7%	7.2%	-	16.0%	8.1%
With a crawl space	25.7%	-	23.9%	-	32.7%	25.3%	41.6%	24.1%	39.0%	-	36.8%	25.9%	44.2%	20.2%
On a concrete slab	34.7%	-	33.6%	-	39.1%	-	42.8%	29.7%	26.9%	-	37.7%	-	15.7%	38.2%
In some other way	1.4%	-	0.6%	1.4%	4.5%	2.4%	<0.1%	6.1%	<0.1%	5.3%	2.0%	3.2%	2.0%	-
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EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	2.1%	-	1.7%	-	3.9%	2.9%	7.7%	-	10.1%	-	2.3%	3.8%	3.1%	2.4%
Missing roofing material	2.6%	3.6%	2.5%	3.4%	3.1%	4.1%	2.5%	9.9%	12.1%	-	5.9%	-	4.1%	-
Hole in roof	1.2%	1.5%	1.2%	-	1.3%	2.4%	<0.1%	7.6%	16.6%	11.9%	1.5%	3.4%	2.2%	-
Missing bricks, siding, other outside wall material	2.7%	-	2.6%	-	3.1%	3.9%	10.0%	-	18.1%	14.2%	3.1%	5.0%	1.5%	3.2%
Sloping outside walls	1.3%	-	1.3%	1.0%	1.6%	2.2%	7.0%	-	12.4%	8.4%	1.1%	2.3%	1.3%	-
Boarded up windows	0.8%	-	0.7%	-	1.3%	1.6%	<0.1%	4.5%	8.4%	6.1%	1.5%	2.6%	1.9%	1.5%
Broken windows	4.4%	-	3.8%	-	6.6%	-	22.6%	14.1%	11.9%	18.1%	9.8%	-	2.4%	4.8%
Bars on windows	3.0%	-	3.0%	-	3.1%	3.8%	2.5%	4.2%	11.8%	7.5%	5.2%	-	18.8%	8.9%
Foundation crumbling or has open crack or hole	4.6%	-	4.5%	-	5.2%	6.8%	2.2%	15.0%	7.5%	18.5%	5.2%	8.4%	2.3%	6.4%
None of the above	82.1%	-	83.3%	-	77.5%	-	57.7%	-	54.4%	-	76.3%	-	68.5%	-
None of the above(excluding bars)	84.5%	-	85.7%	-	79.8%	-	60.1%	-	56.5%	-	80.5%	-	85.0%	-
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	9.7%	-	10.4%	-	8.5%	-	28.7%	17.4%	29.5%	-	9.8%	-	8.2%	11.6%
Roof	4.8%	-	5.4%	-	3.8%	4.9%	17.9%	10.0%	10.2%	16.8%	4.6%	6.5%	3.2%	5.9%
Basement leak	1.3%	2.8%	1.9%	3.4%	0.4%	1.4%	<0.1%	2.5%	1.8%	5.1%	0.8%	1.9%	1.4%	2.6%
Walls, closed windows, or doors leak	2.5%	-	2.3%	1.8%	2.9%	-	9.1%	4.7%	13.3%	8.9%	3.5%	-	2.5%	-
Other or Unknown exterior Leak	1.5%	1.2%	1.3%	-	1.9%	1.3%	3.0%	-	5.0%	3.3%	1.3%	-	0.9%	1.4%
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INTERIOR														
Damage														
Holes in floors	1.3%	-	0.6%	-	2.5%	1.6%	7.3%	-	15.4%	9.9%	3.7%	2.1%	3.1%	1.3%
Open cracks or holes	4.8%	-	2.9%	4.2%	8.1%	-	25.0%	18.1%	27.5%	-	8.7%	-	6.6%	-
Broken plaster or peeling paint	1.6%	2.1%	1.1%	1.5%	2.3%	3.1%	5.6%	8.3%	20.1%	-	1.8%	3.4%	3.1%	-
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Water Leakage During Last 12 Months														
With leakage from inside structure	10.6%	-	8.2%	-	14.6%	11.2%	32.3%	16.2%	30.7%	-	14.7%	11.0%	11.9%	-
Fixtures backed up or overflowed	1.8%	-	1.4%	1.7%	2.6%	-	6.5%	4.9%	3.9%	6.6%	2.0%	-	1.6%	2.2%
Pipes leaked	4.5%	3.6%	3.2%	-	6.7%	4.9%	10.6%	8.4%	20.4%	12.5%	6.2%	-	4.9%	-
Broken water heater	1.4%	0.8%	1.8%	0.9%	0.8%	-	4.5%	1.4%	7.8%	2.0%	2.8%	1.0%	0.9%	-
Other or Unknown	3.1%	2.4%	2.0%	-	5.0%	3.6%	18.6%	3.2%	4.0%	6.0%	5.3%	3.0%	4.9%	2.9%
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Rodents														
Signs of rats in last 3 mon.	1.5%	1.0%	1.7%	0.9%	1.2%	-	1.5%	3.3%	0.8%	3.6%	1.0%	1.8%	0.9%	1.4%
Signs of mice in last 3 mon.	3.4%	11.1%	4.1%	11.7%	2.3%	10.0%	1.8%	17.7%	6.1%	20.0%	2.7%	12.5%	1.2%	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.	1.2%	0.6%	0.8%	0.5%	1.8%	0.8%	<0.1%	1.5%	<0.1%	1.6%	1.0%	-	0.6%	-
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Electrical														
No electrical wiring	<0.1%	-	<0.1%	0.1%	0.1%	-	<0.1%	3.2%	<0.1%	0.1%	0.1%	-	0.2%	-
Exposed wiring	1.6%	-	1.1%	-	2.3%	-	2.9%	6.2%	2.5%	3.9%	2.8%	-	1.3%	1.6%
Rooms without electric outlets	0.6%	-	0.2%	0.6%	1.2%	-	2.8%	6.5%	3.6%	2.2%	1.0%	1.4%	1.1%	-
Fuses/breakers blown in last 3 mon.	9.9%	-	10.5%	-	8.9%	-	11.7%	14.7%	11.1%	15.1%	10.1%	-	8.8%	-
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Sanitation														
Lacking complete kitchen facilities	1.3%	1.7%	0.6%	-	2.4%	4.0%	9.9%	-	42.0%	-	2.3%	3.3%	0.2%	2.8%
Lacking some or all plumbing facilities	0.7%	1.3%	0.2%	0.8%	1.5%	2.1%	49.7%	68.2%	<0.1%	0.0%	2.4%	-	0.8%	1.8%
Water not safe to drink	8.0%	-	4.8%	6.2%	13.6%	-	17.9%	-	14.1%	-	12.7%	-	11.0%	-
Water stoppage in last 3 mon.	4.5%	-	3.1%	-	6.8%	5.1%	9.2%	-	16.1%	9.4%	7.7%	4.8%	5.2%	4.0%
No flush toilets working some time in last 3 mon.	1.9%	-	0.9%	-	3.5%	-	7.3%	5.7%	12.0%	-	3.5%	-	2.2%	-
With sewage disposal breakdowns in last 3 mon.	0.7%	1.4%	0.6%	1.2%	0.9%	1.7%	1.5%	3.7%	1.4%	5.0%	0.9%	2.0%	1.3%	1.6%
Septic tank, cesspool, chemical toilet	21.4%	-	29.7%	-	7.0%	-	14.0%	-	19.6%	-	13.6%	-	1.1%	-
With septic tank or cesspool breakdowns in last 3 mon.	0.2%	-	0.3%	-	<0.1%	0.2%	<0.1%	0.8%	1.4%	0.8%	<0.1%	0.4%	<0.1%	-
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HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	84.9%	64.1%	85.1%	67.9%	84.5%	56.7%	82.6%	47.8%	68.9%	39.1%	82.1%	57.3%	89.3%	62.8%
Steam or hot water system	0.2%	11.0%	0.1%	9.7%	0.5%	13.5%	<0.1%	18.6%	2.9%	14.0%	<0.1%	10.9%	0.7%	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	10.4%	-	11.2%	-	9.1%	-	9.7%	7.1%	4.6%	-	10.3%	-	6.0%	8.5%
Built-in electric units	0.5%	4.2%	0.3%	2.6%	0.7%	7.4%	<0.1%	5.2%	<0.1%	5.6%	1.2%	5.9%	0.2%	3.9%
Floor, wall, or other built-in hot air without ducts	2.0%	3.9%	2.0%	2.4%	2.0%	6.9%	4.1%	7.0%	<0.1%	5.6%	2.5%	6.7%	1.6%	5.2%
Room heaters with flue	0.3%	0.8%	0.2%	0.7%	0.6%	1.0%	<0.1%	1.1%	1.5%	1.1%	0.5%	1.4%	0.3%	0.6%
Room heaters without flue	0.5%	1.0%	0.5%	0.8%	0.6%	1.2%	<0.1%	2.5%	19.1%	25.2%	1.6%	2.2%	0.2%	0.7%
Portable electric heaters	0.9%	1.2%	0.5%	0.9%	1.6%	-	3.6%	-	2.9%	2.0%	1.5%	3.0%	1.3%	-
Stoves	0.1%	0.9%	0.2%	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%	0.2%	0.1%	-	<0.1%	0.1%	<0.1%	0.1%	0.3%	-	<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	<0.1%	0.3%	<0.1%	0.3%	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%	0.2%	0.7%	<0.1%	1.1%	<0.1%	0.7%	<0.1%	0.6%	0.5%	-
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%
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Water Heating Fuel														
Electricity	43.4%	-	36.5%	-	55.2%	-	56.4%	38.7%	61.7%	39.0%	51.5%	-	44.5%	31.9%
Gas, LP/bottled gas	56.5%	-	63.3%	-	44.8%	-	43.6%	53.8%	38.3%	55.2%	48.5%	-	54.8%	-
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%	0.1%	<0.1%	-	<0.1%	-
Other	0.1%	0.4%	0.1%	0.4%	<0.1%	0.2%	<0.1%	1.0%	<0.1%	0.5%	<0.1%	0.3%	0.7%	0.2%
Clothes Dryer,(000)	1,661	93,052	1,176	72,397	485	20,655	15	1,139	37	2,344	205	9,825	168	21,908
Have Clothes Dryer	87.9%	-	98.2%	-	70.0%	53.2%	56.0%	-	72.1%	56.8%	74.9%	-	70.4%	-
Electricity	90.9%	-	88.4%	-	96.7%	-	100%	78.9%	85.8%	-	89.8%	-	88.3%	-
Gas, LP gas (liquid propane)	9.0%	21.8%	11.6%	23.5%	2.8%	15.8%	<0.1%	21.0%	14.2%	17.5%	9.9%	17.8%	11.7%	25.6%
Other	0.1%	-	<0.1%	<0.1%	0.4%	0.1%	<0.1%	0.1%	<0.1%	<0.1%	0.2%	-	<0.1%	0.1%

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	10.4%	-	8.8%	-	14.2%	-	68.7%	43.7%	28.9%	22.2%	15.0%	-	15.2%	10.1%
Heating equipment breakdowns	3.4%	2.3%	2.7%	1.9%	4.6%	3.2%	50.3%	31.2%	1.2%	4.1%	5.4%	3.8%	3.5%	-
Other causes	6.1%	-	6.0%	-	6.3%	-	12.4%	-	23.8%	15.4%	8.1%	-	9.1%	6.0%
Utility interruption	1.5%	1.9%	1.6%	2.3%	1.4%	1.1%	2.2%	1.5%	6.0%	1.9%	1.9%	-	2.4%	1.1%
Inadequate heating capacity	1.0%	-	0.8%	-	1.4%	2.0%	5.6%	3.9%	5.7%	-	1.3%	2.2%	1.1%	1.7%
Inadequate insulation	1.2%	-	1.1%	0.7%	1.4%	1.8%	2.3%	3.1%	11.0%	5.0%	1.9%	-	0.5%	1.4%
Cost of heating	1.3%	1.0%	1.4%	1.0%	1.3%	-	1.5%	-	7.4%	2.8%	1.9%	1.3%	0.9%	-
Other	1.6%	-	1.3%	-	2.1%	1.6%	3.0%	-	5.6%	3.2%	2.3%	1.8%	4.5%	1.6%

SELECTED PHYSICAL PROBLEMS

Severe Physical Problems(,000)	26	2,103	8	907	18	1,196	26	2,103	.	.	9	522	3	909
Severe physical problems	1.4%	1.8%	0.7%	1.2%	2.6%	-	100%	-	.	.	3.4%	-	1.1%	2.7%
Plumbing	0.7%	1.2%	0.2%	0.8%	1.5%	2.1%	49.7%	68.2%	.	.	2.4%	-	0.8%	1.8%
Heating	0.7%	-	0.4%	-	1.1%	-	50.3%	28.6%	.	.	0.9%	-	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%	-	<0.1%	0.1%	<0.1%	2.5%	.	.	<0.1%	0.1%	<0.1%	0.1%
Moderate Physical Problems(,000)	51	4,126	21	1,568	30	2,558	.	.	51	4,126	16	1,170	6	1,628
Moderate physical problems	2.7%	3.6%	1.8%	-	4.3%	6.6%	.	.	100%	-	5.7%	7.3%	2.6%	4.9%
Plumbing	0.3%	-	0.4%	0.1%	0.2%	-	.	.	11.3%	5.2%	0.5%	-	0.2%	-
Heating	0.5%	0.9%	0.5%	0.8%	0.6%	1.1%	.	.	19.1%	25.2%	1.6%	2.1%	0.2%	0.7%
Upkeep	1.1%	1.6%	0.6%	-	2.1%	3.7%	.	.	42.0%	-	1.5%	2.9%	<0.1%	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	0.9%	-	0.3%	0.7%	1.8%	-	.	.	32.0%	-	2.7%	-	2.4%	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)	0.5%	-	<0.1%	0.3%	1.5%	1.1%	5.4%	3.4%	0.7%	3.0%	1.8%	-	1.0%	0.7%
2	0.2%	-	0.1%	-	0.4%	-	<0.1%	1.9%	1.3%	1.6%	0.4%	0.9%	0.3%	-
3	0.8%	-	0.3%	-	1.6%	1.2%	7.6%	3.5%	10.1%	2.9%	1.5%	-	1.6%	1.0%
4	0.6%	1.0%	0.1%	0.6%	1.4%	1.8%	10.3%	2.7%	3.8%	-	0.3%	1.9%	0.5%	1.2%
5	5.4%	-	3.7%	-	8.4%	-	9.6%	-	18.2%	11.8%	6.5%	8.6%	4.8%	5.8%
6	5.0%	-	3.7%	-	7.2%	-	11.9%	7.1%	10.2%	-	7.0%	-	5.8%	-
7	14.6%	-	12.1%	-	19.0%	-	17.9%	-	13.5%	-	10.9%	14.5%	17.2%	-
8	26.9%	-	25.6%	-	29.0%	-	12.1%	21.2%	14.9%	21.9%	24.0%	-	26.6%	-
9	15.3%	-	18.0%	-	10.6%	-	11.8%	-	10.5%	-	14.5%	11.3%	12.7%	-
10(best)	30.6%	-	36.3%	-	20.9%	-	13.4%	23.0%	16.7%	-	33.2%	-	29.5%	-

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