

**American Housing Survey - Selected Elements Related to Healthy Homes
2007 Boston, MA and 2007 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)	1,057	110,692	657	75,647	401	35,045	23	1,806	56	3,965	113	14,159	227	31,451	
GENERAL															
Owner occupied(,000)		75,647		75,647		.		729		1,565		5,568		16,315	
Renter occupied(,000)		35,045		.		35,045		1,077		2,401		8,591		15,136	
Owner occupied		68.3%		100%		<0.1%		40.4%		39.5%		39.3%		51.9%	
Renter occupied		31.7%		<0.1%		100%		59.6%		60.5%		60.7%		48.1%	
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Units in Structure															
1, detached	49.6%	64.5%	75.4%	-	7.2%	25.5%	15.8%	43.4%	15.9%	45.3%	19.7%	41.2%	16.1%	49.4%	
1, attached	4.9%	-	5.2%	-	4.6%	5.8%	7.9%	5.7%	3.4%	-	3.9%	5.4%	5.9%	7.3%	
2 to 4	22.9%	7.9%	11.2%	1.9%	42.1%	21.0%	41.5%	13.2%	38.2%	15.9%	28.1%	14.4%	40.8%	13.5%	
5 to 9	5.8%	4.6%	2.3%	0.8%	11.6%	-	16.9%	7.6%	14.0%	9.7%	9.1%	-	10.0%	7.5%	
10 to 19	5.2%	-	1.5%	0.6%	11.4%	-	3.0%	8.7%	9.0%	-	11.2%	6.1%	9.7%	6.3%	
20 to 49	4.9%	3.3%	1.5%	0.7%	10.4%	-	10.1%	7.7%	9.0%	-	11.5%	6.4%	8.5%	6.3%	
50 or more	6.2%	3.6%	2.4%	1.0%	12.4%	9.3%	4.8%	7.5%	10.6%	5.8%	16.6%	7.0%	8.9%	-	
Manufactured /mobile home or trailer	0.5%	6.3%	0.6%	7.2%	0.3%	4.3%	<0.1%	6.2%	<0.1%	5.4%	<0.1%	10.1%	0.3%	1.3%	
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Year Structure Built															
Post-2000	3.4%	10.6%	4.3%	12.3%	1.9%	6.8%	2.7%	3.9%	1.1%	3.8%	3.4%	6.1%	2.3%	5.6%	
Post-1980	18.8%	36.0%	21.6%	39.6%	14.1%	28.3%	17.0%	-	9.9%	20.0%	20.9%	26.6%	13.3%	23.0%	
Pre-1980	81.2%	64.0%	78.4%	60.4%	85.9%	-	83.0%	-	90.1%	-	79.1%	-	86.7%	-	
Pre-1960	60.9%	32.1%	59.9%	30.5%	62.6%	35.6%	72.3%	48.9%	76.2%	49.2%	57.1%	37.3%	73.8%	45.5%	
Pre-1940	41.8%	15.6%	37.6%	13.6%	48.7%	19.9%	47.6%	27.8%	59.4%	28.1%	38.5%	19.4%	57.8%	24.6%	

<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)	577	77,517	529	66,554	47	10,963	5	887	11	1,916	27	6,602	50	17,830
With a basement under all of house	76.2%	33.1%	76.3%	34.6%	75.1%	24.1%	79.2%	31.3%	80.7%	15.8%	78.5%	26.9%	78.5%	32.8%
With a basement under part of house	15.1%	10.7%	15.9%	11.3%	6.7%	-	<0.1%	10.7%	9.0%	-	10.5%	8.1%	11.5%	8.1%
With a crawl space	2.2%	23.3%	2.1%	22.5%	3.8%	28.8%	<0.1%	30.9%	5.3%	48.5%	2.0%	29.7%	<0.1%	22.0%
On a concrete slab	5.0%	31.5%	4.5%	30.4%	10.3%	38.1%	20.8%	-	5.1%	20.6%	9.0%	32.7%	7.5%	35.9%
In some other way	1.4%	-	1.2%	-	4.0%	2.0%	<0.1%	3.0%	<0.1%	4.7%	<0.1%	2.7%	2.5%	1.2%
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EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	2.2%	-	2.1%	-	4.0%	-	9.5%	-	4.7%	14.2%	<0.1%	5.1%	4.3%	2.7%
Missing roofing material	5.1%	-	4.7%	-	9.3%	6.4%	<0.1%	11.3%	19.3%	-	7.1%	-	10.6%	5.1%
Hole in roof	2.3%	1.6%	2.0%	1.3%	5.1%	3.4%	<0.1%	10.9%	10.0%	12.5%	2.6%	3.4%	4.0%	2.1%
Missing bricks, siding, other outside wall material	3.0%	-	2.8%	2.1%	4.8%	-	<0.1%	12.9%	10.0%	13.3%	9.4%	5.6%	2.5%	3.0%
Sloping outside walls	1.6%	-	1.2%	-	6.4%	3.6%	<0.1%	8.5%	5.7%	9.0%	2.4%	3.1%	2.4%	1.7%
Boarded up windows	0.9%	-	0.8%	-	2.5%	-	<0.1%	5.6%	<0.1%	5.7%	2.7%	-	1.2%	1.5%
Broken windows	2.9%	3.6%	2.4%	2.9%	7.7%	-	<0.1%	15.5%	6.5%	15.4%	2.9%	7.8%	7.6%	4.3%
Bars on windows	2.9%	3.7%	2.3%	3.4%	9.3%	5.0%	9.5%	6.4%	12.4%	9.1%	5.5%	-	19.0%	10.2%
Foundation crumbling or has open crack or hole	3.3%	2.6%	2.8%	2.2%	9.0%	4.9%	<0.1%	8.7%	<0.1%	12.8%	<0.1%	4.3%	7.6%	3.4%
None of the above	82.1%	-	82.8%	-	73.8%	-	72.0%	-	63.1%	-	70.9%	-	61.7%	75.0%
None of the above(excluding bars)	83.7%	-	84.5%	-	75.0%	-	81.6%	-	63.1%	-	70.9%	-	71.9%	-
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	15.6%	10.4%	19.6%	10.9%	9.1%	-	26.7%	19.0%	24.9%	-	10.1%	-	12.2%	-
Roof	5.9%	-	7.4%	5.1%	3.7%	4.6%	11.0%	-	11.8%	19.2%	3.7%	5.4%	5.9%	-
Basement leak	8.8%	3.8%	12.8%	4.6%	2.4%	1.9%	8.1%	4.4%	15.5%	7.3%	4.6%	2.3%	3.3%	-
Walls, closed windows, or doors leak	2.1%	-	1.6%	-	2.7%	-	7.0%	-	2.6%	7.4%	2.5%	-	3.3%	2.2%
Other or Unknown exterior Leak	1.7%	1.1%	2.1%	1.1%	1.0%	1.3%	10.5%	1.9%	2.8%	-	1.3%	-	1.3%	-
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INTERIOR														
Damage														
Holes in floors	1.2%	-	0.8%	-	1.9%	-	13.9%	8.7%	5.4%	9.7%	1.2%	2.7%	2.9%	1.4%
Open cracks or holes	6.0%	-	4.9%	3.7%	7.8%	-	15.0%	19.1%	20.8%	31.3%	4.1%	8.0%	8.6%	6.4%
Broken plaster or peeling paint	2.5%	-	1.6%	-	3.9%	-	5.3%	10.4%	13.5%	19.3%	2.4%	3.7%	4.3%	3.1%
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Water Leakage During Last 12 Months														
With leakage from inside structure	7.5%	-	6.7%	-	8.7%	10.8%	18.9%	-	21.2%	25.5%	5.7%	10.2%	7.4%	9.1%
Fixtures backed up or overflowed	2.3%	-	1.7%	-	3.3%	-	6.4%	-	6.7%	8.9%	2.4%	3.0%	1.2%	2.6%
Pipes leaked	3.1%	-	2.4%	2.9%	4.2%	5.1%	18.5%	10.0%	9.1%	13.4%	3.1%	5.0%	3.6%	-
Broken water heater	0.6%	-	0.5%	0.8%	0.8%	-	<0.1%	1.3%	2.6%	-	0.5%	0.8%	0.6%	-
Other or Unknown	2.1%	-	2.4%	1.7%	1.6%	3.0%	<0.1%	5.0%	6.6%	8.3%	0.4%	2.5%	2.9%	-
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Rodents														
Signs of rats in last 3 mon.	0.8%	-	0.6%	-	1.1%	-	3.1%	5.4%	4.0%	-	1.4%	-	1.1%	-
Signs of mice in last 3 mon.	9.2%	5.5%	7.2%	5.3%	12.4%	6.0%	15.4%	-	15.5%	-	11.8%	8.2%	16.5%	5.6%

<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>
Signs of rodents, not sure which kind in last 3 mon.	0.9%	0.4%	0.4%	-	1.7%	0.7%	10.4%	3.0%	<0.1%	1.5%	2.8%	0.7%	2.8%	0.7%
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Electrical														
No electrical wiring	0.1%	-	0.1%	-	<0.1%	-	<0.1%	2.4%	<0.1%	0.0%	<0.1%	0.1%	0.3%	-
Exposed wiring	1.0%	-	0.4%	0.8%	2.0%	1.4%	3.1%	-	1.2%	1.9%	2.9%	1.5%	2.0%	1.2%
Rooms without electric outlets	1.5%	-	1.1%	-	2.1%	-	5.6%	7.8%	1.2%	3.1%	3.4%	2.4%	2.0%	1.6%
Fuses/breakers blown in last 3 mon.	9.9%	-	9.3%	-	10.8%	-	28.3%	15.1%	9.4%	15.9%	5.7%	7.8%	9.5%	-
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Sanitation														
Lacking complete kitchen facilities	4.2%	1.6%	1.7%	0.4%	8.4%	4.1%	9.5%	-	75.8%	39.4%	5.2%	3.6%	10.8%	2.8%
Lacking some or all plumbing facilities	1.3%	-	0.9%	-	2.0%	-	60.5%	-	<0.1%	0.0%	1.8%	2.4%	0.9%	1.7%
Water not safe to drink	8.1%	-	7.0%	-	9.9%	-	15.4%	-	16.5%	-	13.3%	-	12.0%	-
Water stoppage in last 3 mon.	3.4%	-	2.5%	-	4.8%	-	10.6%	-	6.5%	-	4.3%	-	5.2%	3.4%
No flush toilets working some time in last 3 mon.	2.6%	2.0%	1.0%	-	5.2%	3.9%	8.1%	-	4.5%	9.9%	4.1%	-	5.5%	2.6%
With sewage disposal breakdowns in last 3 mon.	1.0%	1.3%	0.9%	-	1.3%	1.7%	4.9%	3.9%	1.1%	3.9%	<0.1%	1.7%	0.9%	1.5%
Septic tank, cesspool, chemical toilet	17.0%	-	24.6%	-	4.6%	7.6%	<0.1%	15.1%	2.8%	17.6%	7.4%	14.7%	<0.1%	1.2%
With septic tank or cesspool breakdowns in last 3 mon.	<0.1%	-	0.1%	-	<0.1%	0.2%	<0.1%	1.3%	<0.1%	0.3%	<0.1%	0.3%	<0.1%	-
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HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	35.9%	62.9%	37.1%	67.4%	34.0%	53.2%	29.2%	44.3%	33.3%	-	33.9%	56.3%	31.1%	60.5%
Steam or hot water system	53.2%	11.5%	54.6%	9.9%	50.8%	15.0%	55.5%	21.9%	55.5%	11.2%	50.1%	12.8%	54.0%	16.5%

<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	1.9%	11.7%	1.7%	12.6%	2.1%	9.8%	2.6%	7.3%	4.6%	-	2.7%	8.5%	3.1%	8.5%
Built-in electric units	5.9%	4.3%	3.9%	2.8%	9.3%	-	9.5%	5.2%	<0.1%	5.1%	9.6%	6.4%	7.8%	3.8%
Floor, wall, or other built-in hot air without ducts	1.9%	4.5%	2.0%	2.7%	1.8%	8.4%	3.1%	7.8%	3.4%	4.9%	1.2%	6.7%	2.0%	6.4%
Room heaters with flue	0.3%	1.0%	0.3%	0.9%	0.3%	1.3%	<0.1%	2.0%	1.1%	1.4%	<0.1%	1.9%	0.3%	0.7%
Room heaters without flue	0.1%	1.1%	<0.1%	1.0%	0.2%	1.3%	<0.1%	2.8%	1.1%	28.7%	<0.1%	2.5%	0.3%	0.9%
Portable electric heaters	0.1%	0.9%	<0.1%	0.6%	0.2%	1.7%	<0.1%	3.6%	<0.1%	2.6%	0.6%	1.8%	0.3%	1.3%
Stoves	0.2%	0.9%	0.3%	1.0%	<0.1%	0.4%	<0.1%	3.3%	<0.1%	0.7%	<0.1%	1.1%	<0.1%	<0.1%
Fireplace with inserts	0.1%	-	<0.1%	0.2%	0.2%	-	<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%	-
Other	0.2%	-	0.2%	-	0.3%	-	<0.1%	0.4%	1.0%	0.4%	0.6%	0.9%	0.3%	-
No heating equipment	0.2%	-	<0.1%	0.3%	0.6%	-	<0.1%	0.5%	<0.1%	0.6%	1.2%	0.7%	0.6%	-
Cooking stove	0.1%	-	<0.1%	<0.1%	0.2%	-	<0.1%	0.6%	<0.1%	0.1%	<0.1%	0.2%	0.3%	-
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Water Heating Fuel														
Electricity	20.0%	40.0%	15.6%	37.9%	27.2%	44.5%	39.2%	-	18.1%	39.9%	30.5%	45.9%	18.4%	29.6%
Gas, LP/bottled gas	57.7%	-	57.2%	-	58.5%	-	45.4%	-	67.4%	-	51.0%	-	70.4%	-
Fuel oil	22.2%	4.5%	27.0%	4.2%	14.2%	5.2%	15.4%	9.3%	14.4%	4.2%	17.8%	4.5%	10.9%	5.7%
Kerosene or other liquid fuel	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%	-	0.1%	-	0.2%	-	<0.1%	0.9%	<0.1%	0.1%	0.6%	0.1%	0.3%	-
Clothes Dryer,(000)	719	88,506	594	71,443	125	17,063	10	912	19	2,265	40	8,133	93	20,153
Have Clothes Dryer	68.0%	-	90.4%	-	31.3%	48.7%	43.9%	-	33.6%	57.1%	35.4%	57.4%	40.8%	64.1%
Electricity	70.0%	-	68.3%	-	77.6%	-	83.0%	-	70.9%	-	73.6%	-	58.8%	73.4%
Gas, LP gas (liquid propane)	29.9%	22.8%	31.6%	24.9%	21.9%	14.1%	17.0%	24.1%	29.1%	15.7%	26.4%	16.6%	40.5%	26.6%
Other	0.2%	-	0.1%	-	0.5%	0.1%	<0.1%	0.3%	<0.1%	<0.1%	<0.1%	<0.1%	0.7%	<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	8.1%	-	5.9%	7.6%	12.1%	-	47.5%	-	16.1%	-	8.4%	13.4%	13.2%	9.5%
Heating equipment breakdowns	3.3%	2.4%	2.5%	2.0%	4.6%	3.3%	36.6%	-	5.5%	3.5%	5.3%	3.8%	5.4%	3.1%
Other causes	4.7%	5.9%	3.5%	5.5%	6.7%	-	18.6%	11.4%	10.3%	13.9%	3.4%	8.4%	7.6%	5.8%
Utility interruption	0.5%	2.4%	0.7%	2.8%	0.2%	1.7%	<0.1%	2.3%	<0.1%	2.4%	1.1%	1.9%	0.3%	1.3%
Inadequate heating capacity	1.3%	1.0%	0.4%	-	2.7%	2.0%	<0.1%	4.5%	<0.1%	4.1%	0.6%	2.0%	2.4%	1.6%
Inadequate insulation	0.9%	-	0.6%	-	1.4%	-	6.2%	2.7%	3.3%	-	0.6%	2.0%	2.1%	1.1%
Cost of heating	1.5%	0.9%	1.1%	-	2.0%	0.8%	9.4%	1.4%	5.5%	2.8%	0.6%	1.6%	2.1%	1.0%
Other	1.1%	-	1.0%	-	1.4%	1.9%	8.6%	3.4%	4.4%	-	1.2%	2.3%	2.0%	1.3%

SELECTED PHYSICAL PROBLEMS

Severe Physical Problems(,000)	23	1,806	8	729	15	1,077	23	1,806	.	.	6	469	7	755
Severe physical problems	2.2%	1.6%	1.2%	-	3.8%	-	100%	-	.	.	5.2%	3.3%	2.9%	-
Plumbing	1.3%	-	0.9%	-	2.0%	-	60.5%	-	.	.	1.8%	2.3%	0.9%	1.7%
Heating	0.8%	0.4%	0.3%	-	1.7%	0.9%	36.6%	25.6%	.	.	2.8%	0.8%	1.7%	0.6%
Electric	<0.1%	-	<0.1%	0.1%	<0.1%	-	<0.1%	2.7%	.	.	<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%	-	2.9%	4.3%	.	.	0.6%	0.3%	0.3%	-
Moderate Physical Problems(,000)	56	3,965	19	1,565	38	2,401	.	.	56	3,965	6	1,081	28	1,549
Moderate physical problems	5.3%	3.6%	2.8%	2.1%	9.4%	6.9%	.	.	100%	-	5.6%	7.6%	12.5%	4.9%
Plumbing	0.1%	-	<0.1%	0.1%	0.3%	-	.	.	2.4%	4.7%	0.6%	0.3%	0.6%	0.2%
Heating	0.1%	1.0%	<0.1%	1.0%	0.2%	1.2%	.	.	1.1%	28.7%	<0.1%	2.3%	0.3%	0.8%
Upkeep	4.0%	1.4%	1.7%	0.3%	7.8%	3.7%	.	.	75.8%	39.4%	4.4%	3.0%	10.5%	2.5%
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	1.1%	-	1.1%	0.7%	1.1%	1.9%	.	.	20.6%	30.4%	0.6%	2.3%	1.2%	1.5%

<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)	0.2%	0.5%	0.1%	-	0.5%	1.2%	3.3%	4.2%	<0.1%	2.7%	1.1%	1.7%	0.3%	0.8%
2	0.5%	-	0.4%	-	0.8%	-	3.3%	2.0%	2.8%	1.5%	0.7%	-	0.9%	0.4%
3	0.4%	0.7%	0.3%	-	0.7%	1.4%	<0.1%	3.6%	<0.1%	3.3%	0.5%	1.5%	0.6%	1.0%
4	0.9%	-	0.6%	-	1.5%	2.0%	5.2%	3.4%	<0.1%	4.0%	1.0%	2.0%	1.2%	-
5	3.8%	5.0%	2.0%	3.2%	6.8%	8.8%	8.9%	11.2%	11.5%	-	6.2%	9.4%	6.9%	-
6	5.1%	-	4.0%	-	7.0%	-	2.7%	8.4%	6.8%	8.9%	6.2%	-	5.2%	6.6%
7	15.7%	-	12.1%	-	21.5%	-	29.1%	13.8%	19.0%	-	18.5%	14.1%	19.0%	-
8	27.8%	-	28.3%	-	27.1%	-	21.9%	-	27.0%	-	22.9%	-	29.5%	-
9	17.1%	-	20.0%	-	12.4%	-	10.4%	-	12.3%	9.6%	11.6%	-	14.3%	-
10(best)	28.3%	-	32.4%	-	21.7%	-	15.1%	-	20.6%	-	31.4%	-	22.1%	-

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