

**American Housing Survey - Selected Elements Related to Healthy Homes
2011 Denver, CO 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)	993	114,907	619	76,091	373	38,816	24	2,103	27	4,126	98	16,060	266	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	60.4%	-	82.4%	-	23.7%	28.6%	29.2%	44.3%	20.9%	39.6%	32.7%	42.7%	45.6%	-
1, attached	9.7%	5.9%	9.5%	5.4%	10.0%	6.8%	11.0%	5.1%	3.6%	-	10.2%	6.1%	11.0%	7.9%
2 to 4	4.4%	7.8%	1.7%	-	9.0%	19.4%	2.6%	14.8%	19.6%	-	9.0%	13.6%	9.0%	12.9%
5 to 9	5.5%	-	2.5%	0.8%	10.4%	-	14.4%	6.9%	16.2%	10.3%	9.6%	-	7.2%	-
10 to 19	5.6%	4.4%	0.5%	-	14.0%	-	9.1%	-	19.7%	7.3%	9.1%	6.9%	4.1%	6.5%
20 to 49	7.1%	3.2%	0.6%	-	17.8%	8.5%	9.0%	6.5%	8.7%	6.9%	11.0%	5.8%	9.0%	6.1%
50 or more	5.8%	3.6%	0.9%	-	13.8%	8.8%	23.4%	7.0%	9.1%	7.0%	13.7%	6.1%	14.2%	8.7%
Manufactured /mobile home or trailer	1.6%	6.3%	1.9%	7.5%	1.1%	3.9%	1.3%	7.4%	2.2%	7.8%	4.6%	10.3%	<0.1%	1.3%
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Year Structure Built														
Post-2000	19.3%	13.8%	20.9%	15.6%	16.8%	10.2%	8.2%	5.0%	14.5%	4.4%	11.3%	-	11.1%	-
Post-1980	47.5%	-	50.3%	-	42.9%	32.2%	27.1%	21.1%	43.4%	22.4%	32.5%	-	20.8%	27.7%
Pre-1980	52.5%	-	49.7%	-	57.1%	-	72.9%	-	56.6%	77.6%	67.5%	-	79.2%	-
Pre-1960	19.9%	30.9%	18.8%	29.5%	21.9%	33.4%	15.5%	47.2%	21.0%	45.7%	25.1%	34.6%	47.0%	-
Pre-1940	7.4%	14.7%	6.4%	12.8%	9.0%	18.5%	1.4%	27.4%	3.0%	24.4%	10.0%	17.2%	23.3%	-

<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>
Foundation (for 1-unit not manufactured)														
1-Unit not manufactured(,000)	696	80,505	569	66,752	126	13,753	10	1,040	7	1,772	42	7,844	151	18,949
With a basement under all of house	48.5%	32.7%	49.5%	34.4%	43.8%	24.0%	29.4%	-	37.9%	22.1%	38.4%	27.3%	43.3%	31.9%
With a basement under part of house	26.9%	10.6%	30.0%	11.3%	12.9%	7.2%	19.4%	7.9%	26.7%	8.7%	19.6%	7.3%	25.3%	8.1%
With a crawl space	16.1%	22.1%	14.4%	21.4%	24.2%	-	25.8%	-	20.5%	40.2%	33.0%	25.9%	21.3%	-
On a concrete slab	6.9%	33.1%	4.6%	31.5%	17.0%	41.1%	23.8%	29.7%	4.8%	23.7%	7.6%	36.4%	8.1%	38.2%
In some other way	1.6%	-	1.5%	-	2.2%	-	1.6%	6.1%	10.2%	5.3%	1.4%	3.2%	2.0%	-
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EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	1.6%	2.0%	1.5%	1.8%	2.1%	2.9%	<0.1%	9.0%	6.4%	11.4%	6.5%	3.8%	2.4%	-
Missing roofing material	3.5%	-	3.7%	-	2.5%	4.1%	3.4%	9.9%	6.3%	14.3%	7.0%	-	2.7%	3.8%
Hole in roof	1.0%	1.5%	0.8%	1.3%	2.1%	-	3.2%	7.6%	8.3%	11.9%	3.1%	-	0.9%	1.9%
Missing bricks, siding, other outside wall material	1.6%	2.5%	1.6%	2.2%	1.7%	3.9%	3.6%	10.7%	8.1%	14.2%	<0.1%	5.0%	1.1%	3.2%
Sloping outside walls	1.2%	-	1.3%	1.0%	0.7%	2.2%	8.8%	5.9%	6.2%	8.4%	2.4%	-	0.6%	1.5%
Boarded up windows	0.8%	-	0.7%	-	1.2%	1.6%	1.6%	4.5%	<0.1%	6.1%	2.1%	2.6%	1.7%	-
Broken windows	3.8%	-	3.6%	-	4.4%	6.6%	4.8%	14.1%	14.6%	18.1%	6.0%	8.6%	4.9%	-
Bars on windows	5.4%	2.9%	4.7%	2.7%	8.5%	3.8%	3.2%	4.2%	2.0%	7.5%	3.4%	4.8%	14.7%	8.9%
Foundation crumbling or has open crack or hole	6.4%	-	6.2%	-	7.3%	-	5.0%	15.0%	11.8%	18.5%	15.7%	8.4%	5.6%	-
None of the above	79.1%	-	80.1%	-	74.5%	-	71.3%	-	59.4%	-	65.8%	-	71.1%	-
None of the above(excluding bars)	83.4%	-	83.7%	-	82.1%	-	74.5%	-	61.4%	-	67.7%	-	83.7%	-
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	9.3%	-	9.3%	11.5%	9.4%	-	10.0%	17.4%	31.2%	-	11.1%	-	7.4%	11.6%
Roof	3.9%	5.7%	4.0%	6.1%	3.5%	4.9%	6.2%	10.0%	16.8%	-	5.2%	6.5%	3.3%	5.9%
Basement leak	1.4%	2.8%	1.9%	3.4%	0.6%	1.4%	1.2%	2.5%	2.4%	5.1%	1.3%	1.9%	0.8%	2.6%
Walls, closed windows, or doors leak	3.7%	2.2%	3.1%	1.8%	4.8%	3.0%	3.3%	4.7%	9.8%	-	6.2%	2.8%	3.8%	2.9%
Other or Unknown exterior Leak	0.9%	1.2%	0.8%	1.1%	1.0%	1.3%	0.6%	2.9%	1.6%	3.3%	0.6%	1.3%	0.2%	1.4%
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INTERIOR														
Damage														
Holes in floors	0.5%	1.0%	0.5%	0.7%	0.5%	1.6%	0.7%	7.2%	8.8%	-	1.3%	2.1%	0.6%	1.3%
Open cracks or holes	3.8%	5.2%	3.7%	-	3.9%	7.1%	3.2%	18.1%	21.8%	29.9%	3.2%	8.6%	3.9%	6.7%
Broken plaster or peeling paint	1.3%	2.1%	0.9%	1.5%	1.9%	3.1%	3.5%	8.3%	9.0%	18.6%	0.6%	3.4%	1.4%	3.2%
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Water Leakage During Last 12 Months														
With leakage from inside structure	11.0%	8.5%	9.5%	7.2%	13.4%	-	27.0%	16.2%	27.7%	-	14.1%	11.0%	10.9%	-
Fixtures backed up or overflowed	2.6%	1.9%	2.1%	1.7%	3.5%	2.3%	14.9%	4.9%	8.6%	6.6%	3.0%	2.2%	3.0%	2.2%
Pipes leaked	5.1%	3.6%	4.4%	2.9%	6.3%	4.9%	11.0%	8.4%	14.2%	-	5.1%	-	5.2%	-
Broken water heater	1.0%	-	1.0%	-	1.0%	-	1.3%	-	2.6%	2.0%	1.7%	1.0%	0.8%	-
Other or Unknown	2.9%	-	2.5%	1.8%	3.6%	-	8.3%	3.2%	6.4%	-	4.0%	3.0%	2.6%	-
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Rodents														
Signs of rats in last 3 mon.	0.3%	1.0%	0.1%	0.9%	0.5%	1.3%	5.8%	3.3%	0.5%	3.6%	0.2%	1.8%	0.7%	1.4%
Signs of mice in last 3 mon.	9.7%	-	11.1%	-	7.4%	10.0%	15.7%	-	8.2%	20.0%	10.5%	-	7.0%	9.9%

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	<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.	0.2%	0.6%	<0.1%	0.5%	0.5%	0.8%	<0.1%	1.5%	1.1%	1.6%	0.5%	1.0%	0.1%	0.7%
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Electrical														
No electrical wiring	0.1%	-	0.1%	-	0.2%	-	1.2%	3.2%	<0.1%	0.1%	0.3%	-	<0.1%	0.1%
Exposed wiring	1.8%	-	1.6%	-	2.1%	-	1.3%	6.2%	8.0%	3.9%	2.1%	2.5%	1.7%	-
Rooms without electric outlets	0.6%	-	0.4%	-	0.9%	1.2%	1.9%	6.5%	1.8%	2.2%	1.1%	1.4%	0.5%	1.0%
Fuses/breakers blown in last 3 mon.	11.0%	-	11.2%	-	10.6%	-	12.3%	-	17.4%	-	9.9%	-	11.5%	-
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Sanitation														
Lacking complete kitchen facilities	2.2%	-	0.6%	-	4.9%	-	7.1%	-	73.1%	44.4%	3.6%	-	2.6%	-
Lacking some or all plumbing facilities	1.6%	1.3%	0.7%	-	3.3%	2.1%	66.4%	-	<0.1%	0.0%	5.8%	2.1%	2.7%	1.8%
Water not safe to drink	3.5%	8.3%	2.9%	6.2%	4.5%	12.3%	5.0%	14.7%	4.6%	14.9%	5.0%	13.1%	2.5%	10.1%
Water stoppage in last 3 mon.	3.7%	-	2.0%	3.5%	6.6%	5.1%	6.7%	8.3%	7.9%	-	5.9%	-	5.3%	4.0%
No flush toilets working some time in last 3 mon.	2.1%	-	1.4%	1.1%	3.4%	-	7.2%	5.7%	10.4%	-	4.4%	3.4%	2.6%	-
With sewage disposal breakdowns in last 3 mon.	1.9%	1.4%	1.8%	1.2%	2.1%	1.7%	6.5%	3.7%	4.1%	5.0%	3.2%	2.0%	2.6%	1.6%
Septic tank, cesspool, chemical toilet	4.9%	19.6%	7.1%	25.7%	1.4%	7.5%	2.6%	15.6%	1.4%	16.1%	4.3%	14.7%	<0.1%	1.3%
With septic tank or cesspool breakdowns in last 3 mon.	0.1%	-	0.1%	-	<0.1%	0.2%	<0.1%	0.8%	<0.1%	0.8%	0.4%	-	<0.1%	-
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HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	83.8%	64.1%	88.6%	67.9%	75.8%	56.7%	69.1%	47.8%	83.3%	39.1%	72.4%	57.3%	73.8%	-
Steam or hot water system	10.0%	-	8.1%	-	13.2%	-	18.4%	-	7.4%	14.0%	14.1%	10.9%	17.4%	-

<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>
Electric heat pump	0.7%	11.8%	0.1%	12.9%	1.7%	9.6%	3.8%	7.1%	0.5%	4.8%	1.1%	9.7%	1.1%	8.5%
Built-in electric units	2.8%	4.2%	1.2%	2.6%	5.5%	7.4%	3.3%	5.2%	5.6%	-	6.8%	-	3.6%	-
Floor, wall, or other built-in hot air without ducts	2.1%	3.9%	1.4%	2.4%	3.2%	6.9%	2.1%	7.0%	3.2%	5.6%	4.4%	6.7%	4.0%	5.2%
Room heaters with flue	0.1%	0.8%	0.1%	0.7%	0.2%	1.0%	<0.1%	1.1%	<0.1%	1.1%	<0.1%	1.4%	<0.1%	0.6%
Room heaters without flue	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	2.5%	<0.1%	25.2%	<0.1%	2.2%	<0.1%	0.7%
Portable electric heaters	0.1%	1.2%	0.1%	0.9%	0.1%	1.8%	1.3%	3.9%	<0.1%	2.0%	<0.1%	3.0%	0.1%	1.4%
Stoves	0.2%	0.9%	0.3%	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%	-	<0.1%	<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%	-	0.7%	0.2%	<0.1%	0.1%	0.5%	0.1%	0.1%	-
Other	0.2%	-	0.2%	-	0.2%	0.4%	1.4%	1.1%	<0.1%	0.3%	0.7%	-	<0.1%	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%
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Water Heating Fuel														
Electricity	12.5%	41.3%	9.4%	39.0%	17.7%	45.7%	19.0%	38.7%	14.2%	39.0%	19.0%	46.9%	12.5%	31.9%
Gas, LP/bottled gas	87.2%	54.3%	90.4%	56.6%	81.9%	49.7%	81.0%	53.8%	84.7%	55.2%	80.4%	49.2%	87.4%	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%	0.1%	<0.1%	-	<0.1%	-
Other	0.3%	-	0.2%	-	0.4%	-	<0.1%	1.0%	1.1%	0.5%	0.6%	0.3%	0.1%	-
Clothes Dryer,(000)	820	93,052	601	72,397	220	20,655	10	1,139	18	2,344	56	9,825	173	21,908
Have Clothes Dryer	82.6%	-	97.0%	-	58.8%	-	43.0%	54.2%	64.4%	-	57.3%	-	65.1%	-
Electricity	88.0%	-	86.1%	-	93.1%	-	87.2%	-	96.0%	-	90.6%	-	85.7%	-
Gas, LP gas (liquid propane)	12.0%	21.8%	13.9%	23.5%	6.9%	15.8%	12.8%	21.0%	4.0%	17.5%	9.4%	17.8%	14.3%	25.6%
Other	<0.1%	0.1%	<0.1%	-	<0.1%	0.1%	<0.1%	0.1%	<0.1%	<0.1%	<0.1%	0.1%	<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	10.7%	-	7.8%	-	17.2%	12.5%	46.6%	-	16.9%	22.2%	23.9%	13.7%	10.7%	-
Heating equipment breakdowns	3.9%	2.3%	3.2%	1.9%	5.0%	3.2%	35.0%	-	4.6%	-	7.7%	3.8%	4.1%	3.0%
Other causes	5.6%	-	4.4%	5.5%	7.5%	-	9.2%	-	7.2%	15.4%	12.2%	8.0%	4.7%	6.0%
Utility interruption	0.8%	1.9%	1.0%	2.3%	0.4%	1.1%	5.0%	1.5%	1.2%	1.9%	1.0%	1.6%	0.2%	1.1%
Inadequate heating capacity	1.1%	-	0.7%	-	1.8%	-	7.1%	3.9%	1.7%	5.4%	3.5%	2.2%	0.5%	1.7%
Inadequate insulation	1.6%	1.1%	1.1%	0.7%	2.4%	1.8%	1.5%	3.1%	2.2%	5.0%	3.1%	2.0%	1.1%	1.4%
Cost of heating	1.1%	-	0.8%	-	1.6%	1.1%	3.5%	1.7%	3.3%	-	1.2%	-	0.3%	0.8%
Other	1.9%	1.3%	1.4%	-	2.7%	1.6%	2.8%	3.5%	<0.1%	3.2%	5.3%	1.8%	2.6%	1.6%

SELECTED PHYSICAL PROBLEMS

Severe Physical Problems(,000)	24	2,103	7	907	17	1,196	24	2,103	.	.	7	522	10	909
Severe physical problems	2.4%	1.8%	1.1%	-	4.6%	3.1%	100%	-	.	.	7.4%	3.3%	3.6%	2.7%
Plumbing	1.6%	1.2%	0.6%	-	3.3%	2.1%	66.4%	-	.	.	5.5%	2.1%	2.7%	1.8%
Heating	0.8%	0.5%	0.5%	-	1.3%	0.9%	33.0%	-	.	.	1.7%	1.1%	0.9%	-
Electric	<0.1%	-	<0.1%	0.1%	0.1%	-	1.9%	3.1%	.	.	0.5%	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)	27	4,126	7	1,568	20	2,558	.	.	27	4,126	3	1,170	8	1,628
Moderate physical problems	2.7%	3.6%	1.1%	2.1%	5.5%	6.6%	.	.	100%	-	3.5%	7.3%	3.0%	4.9%
Plumbing	0.1%	-	0.1%	-	0.2%	-	.	.	4.2%	5.2%	0.3%	-	0.2%	-
Heating	<0.1%	0.9%	<0.1%	0.8%	<0.1%	1.1%	.	.	<0.1%	25.2%	<0.1%	2.1%	<0.1%	0.7%
Upkeep	2.0%	1.6%	0.5%	-	4.5%	-	.	.	73.1%	44.4%	2.8%	-	2.4%	-
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	0.7%	1.0%	0.5%	-	0.9%	1.7%	.	.	23.9%	-	0.5%	2.3%	0.4%	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)	0.3%	-	<0.1%	-	0.8%	-	2.5%	3.4%	<0.1%	3.0%	1.8%	-	0.3%	0.7%
2	0.3%	-	0.1%	-	0.5%	-	<0.1%	1.9%	1.1%	1.6%	1.1%	-	0.3%	-
3	0.7%	-	0.1%	-	1.6%	1.2%	2.0%	3.5%	1.7%	2.9%	2.3%	1.6%	0.9%	-
4	1.2%	-	0.6%	-	2.3%	1.8%	6.5%	2.7%	2.2%	3.3%	2.8%	1.9%	1.6%	1.2%
5	4.4%	-	2.5%	3.3%	7.6%	-	18.7%	9.6%	13.4%	-	12.6%	8.6%	5.7%	-
6	3.8%	5.0%	2.7%	3.7%	5.8%	7.7%	5.9%	7.1%	9.9%	-	4.8%	6.4%	4.0%	6.2%
7	15.4%	-	13.0%	-	19.3%	-	22.1%	16.5%	25.0%	15.5%	11.9%	14.5%	16.3%	-
8	29.4%	-	29.0%	-	30.0%	-	10.2%	21.2%	29.5%	21.9%	23.2%	-	29.3%	-
9	18.5%	-	21.0%	-	14.3%	-	14.7%	11.1%	9.4%	-	15.1%	11.3%	20.2%	15.0%
10(best)	26.0%	-	30.9%	-	17.8%	21.9%	17.4%	23.0%	7.8%	19.0%	24.3%	-	21.4%	-

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