

**American Housing Survey - Selected Elements Related to Healthy Homes  
2004 Oklahoma City, OK and 2005 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)	431	108,871	292	74,931	139	33,940	6	2,021	20	4,188	58	15,096	199	31,581
<b>GENERAL</b>														
Owner occupied(,000)		74,931		74,931		.		922		1,648		6,430		16,699
Renter occupied(,000)		33,940		.		33,940		1,099		2,540		8,666		14,882
Owner occupied		68.8%		100%		<0.1%		45.6%		39.4%		42.6%		52.9%
Renter occupied		31.2%		<0.1%		100%		54.4%		60.6%		57.4%		47.1%
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<b>Units in Structure</b>														
1, detached	72.5%	-	87.7%	-	40.3%	24.4%	66.6%	45.9%	53.8%	41.3%	52.4%	-	70.7%	49.8%
1, attached	2.3%	5.7%	0.9%	5.3%	5.4%	-	<0.1%	5.4%	0.6%	2.8%	5.1%	-	2.8%	7.6%
2 to 4	5.1%	7.4%	0.8%	2.0%	14.2%	19.2%	5.7%	12.0%	14.8%	-	10.8%	-	6.2%	12.0%
5 to 9	5.8%	4.5%	0.3%	0.7%	17.4%	12.9%	4.0%	7.9%	9.9%	-	8.1%	-	7.4%	-
10 to 19	4.2%	-	0.1%	0.7%	12.6%	-	11.5%	8.1%	6.3%	9.1%	8.9%	6.3%	6.5%	-
20 to 49	1.0%	3.5%	0.1%	0.6%	2.9%	9.8%	2.0%	6.4%	2.8%	7.8%	1.6%	5.5%	1.8%	6.4%
50 or more	1.0%	4.0%	0.1%	1.0%	2.9%	10.7%	<0.1%	8.3%	0.5%	6.3%	2.8%	8.5%	1.3%	9.0%
Manufactured /mobile home or trailer	8.1%	6.4%	10.0%	7.4%	4.2%	-	10.3%	6.1%	11.3%	6.8%	10.2%	-	3.4%	1.2%
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<b>Year Structure Built</b>														
Post-2000	8.5%	-	10.5%	-	4.2%	-	<0.1%	2.4%	3.9%	2.5%	3.1%	5.1%	7.6%	5.5%
Post-1980	38.5%	-	43.2%	-	28.6%	-	17.2%	-	25.0%	18.4%	26.6%	-	34.0%	23.2%
Pre-1980	61.5%	-	56.8%	-	71.4%	-	82.8%	-	75.0%	-	73.4%	-	66.0%	-
Pre-1960	24.0%	33.0%	22.6%	31.5%	26.8%	36.4%	50.2%	-	40.4%	48.5%	33.6%	-	28.8%	45.5%
Pre-1940	7.4%	16.2%	6.7%	14.2%	8.8%	20.4%	13.3%	27.7%	22.4%	26.9%	12.8%	18.9%	9.5%	24.4%

<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 (for 1-unit not manufactured)														
1-Unit not manufactured(,000)	322	76,154	259	65,675	63	10,479	4	1,037	11	1,849	33	7,410	146	18,146
With a basement under all of house	0.5%	32.8%	0.6%	34.4%	0.2%	22.6%	<0.1%	31.6%	<0.1%	15.5%	0.7%	27.8%	0.6%	32.5%
With a basement under part of house	3.0%	11.5%	3.1%	11.9%	2.4%	8.5%	11.6%	-	6.1%	-	3.7%	8.1%	3.1%	8.1%
With a crawl space	26.1%	-	23.3%	-	37.7%	-	43.9%	34.1%	59.0%	-	38.4%	-	28.8%	-
On a concrete slab	69.3%	30.2%	72.3%	29.4%	56.9%	35.3%	41.6%	21.1%	28.7%	18.6%	53.9%	29.9%	66.9%	34.8%
In some other way	1.1%	0.5%	0.7%	0.4%	2.7%	1.2%	2.9%	1.7%	6.2%	0.5%	3.4%	0.9%	0.5%	-
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<b>EXTERIOR</b>														
External Building Conditions(non multiunit)														
Sagging roof	3.2%	2.1%	2.3%	1.9%	7.0%	3.8%	18.7%	8.7%	18.4%	11.3%	4.3%	-	3.4%	2.4%
Missing roofing material	5.4%	3.5%	4.5%	3.3%	9.1%	4.7%	24.7%	10.3%	16.8%	11.7%	10.0%	5.4%	5.9%	4.3%
Hole in roof	2.1%	1.7%	1.7%	-	3.8%	-	17.4%	8.3%	7.4%	10.7%	3.2%	-	2.0%	-
Missing bricks, siding, other outside wall material	3.5%	2.6%	2.7%	2.1%	6.7%	-	20.9%	9.4%	21.3%	13.6%	10.6%	5.6%	3.3%	-
Sloping outside walls	1.9%	1.3%	1.3%	0.9%	4.8%	3.1%	14.9%	7.2%	5.2%	9.4%	4.4%	2.7%	2.6%	1.5%
Boarded up windows	1.1%	0.8%	0.9%	0.6%	2.0%	-	7.1%	4.4%	6.9%	5.5%	3.5%	2.5%	0.9%	-
Broken windows	6.2%	3.6%	5.4%	3.0%	9.9%	7.1%	26.9%	10.4%	23.3%	17.3%	9.6%	6.6%	5.7%	4.2%
Bars on windows	2.3%	-	2.2%	-	2.8%	4.2%	<0.1%	4.8%	2.7%	6.7%	3.2%	4.7%	4.1%	8.2%
Foundation crumbling or has open crack or hole	3.7%	2.4%	2.9%	2.1%	7.0%	4.2%	15.6%	8.4%	10.8%	-	7.4%	4.0%	3.8%	-
None of the above	79.8%	-	82.3%	-	69.1%	-	50.9%	70.3%	42.4%	55.0%	68.9%	-	78.8%	-
None of the above(excluding bars)	81.4%	-	84.1%	-	70.4%	-	50.9%	72.0%	42.4%	58.2%	70.3%	-	81.5%	-
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	9.0%	10.9%	8.7%	11.3%	9.4%	-	28.5%	18.6%	29.8%	-	9.2%	-	8.1%	11.1%
Roof	5.8%	-	5.9%	-	5.7%	-	22.5%	12.0%	22.8%	-	6.6%	-	4.8%	6.1%
Basement leak	0.4%	3.5%	0.5%	4.3%	0.1%	1.8%	<0.1%	4.4%	1.5%	5.0%	<0.1%	2.2%	0.5%	2.9%
Walls, closed windows, or doors leak	1.9%	2.4%	1.7%	2.2%	2.3%	2.9%	15.3%	7.1%	7.9%	-	2.6%	-	1.7%	2.9%
Other or Unknown exterior Leak	1.9%	1.2%	1.7%	1.2%	2.5%	1.4%	9.3%	2.4%	5.5%	-	1.1%	-	1.7%	1.2%
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<b>INTERIOR</b>														
<b>Damage</b>														
Holes in floors	1.1%	-	0.9%	0.7%	1.6%	-	10.9%	5.4%	7.6%	-	3.7%	2.0%	1.4%	-
Open cracks or holes	5.6%	-	5.3%	3.7%	6.3%	-	23.9%	13.9%	28.1%	-	10.0%	7.6%	5.1%	6.2%
Broken plaster or peeling paint	2.1%	-	1.8%	1.4%	2.7%	3.4%	16.5%	7.5%	19.8%	-	4.1%	-	2.2%	3.2%
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<b>Water Leakage During Last 12 Months</b>														
With leakage from inside structure	11.8%	8.4%	9.5%	7.0%	16.6%	11.4%	24.3%	16.0%	27.6%	-	17.3%	9.6%	10.4%	-
Fixtures backed up or overflowed	3.6%	2.7%	3.0%	2.2%	5.1%	3.7%	7.4%	-	12.7%	-	6.8%	3.1%	3.4%	-
Pipes leaked	5.6%	3.7%	4.3%	2.7%	8.3%	5.9%	16.1%	9.2%	13.7%	-	8.1%	5.0%	4.6%	-
Broken water heater	1.7%	0.9%	1.4%	1.0%	2.4%	0.8%	<0.1%	2.1%	7.2%	3.0%	2.5%	0.8%	1.3%	0.8%
Other or Unknown	2.8%	2.2%	2.3%	-	4.0%	3.0%	8.8%	4.1%	5.2%	7.8%	4.0%	2.2%	2.3%	-
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<b>Rodents</b>														
Signs of rats in last 3 mon.	0.4%	0.9%	0.6%	-	0.2%	1.3%	<0.1%	4.6%	2.6%	4.2%	0.8%	1.5%	0.5%	1.4%
Signs of mice in last 3 mon.	9.4%	5.7%	9.3%	5.3%	9.5%	6.6%	21.8%	12.1%	16.6%	12.4%	11.3%	7.3%	6.9%	-

<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.	0.2%	-	0.2%	-	0.2%	0.5%	<0.1%	1.0%	1.4%	0.8%	0.5%	-	0.2%	-
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<b>Electrical</b>														
No electrical wiring	<0.1%	-	<0.1%	0.1%	<0.1%	-	<0.1%	1.5%	<0.1%	0.0%	<0.1%	0.1%	<0.1%	-
Exposed wiring	0.2%	0.6%	0.2%	0.6%	0.2%	0.7%	<0.1%	1.9%	<0.1%	1.5%	0.2%	1.1%	0.3%	0.6%
Rooms without electric outlets	1.2%	1.5%	1.1%	-	1.4%	1.9%	7.9%	-	3.8%	-	2.5%	-	1.4%	1.8%
Fuses/breakers blown in last 3 mon.	11.0%	-	10.5%	-	11.9%	9.3%	22.5%	17.6%	16.4%	-	12.4%	7.7%	8.7%	-
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<b>Sanitation</b>														
Lacking complete kitchen facilities	1.5%	-	0.5%	-	3.8%	-	1.9%	7.4%	33.1%	-	2.9%	-	1.8%	2.6%
Lacking some or all plumbing facilities	0.9%	1.2%	0.6%	0.9%	1.7%	-	67.8%	-	<0.1%	0.0%	1.6%	2.4%	1.0%	1.7%
Water not safe to drink	9.2%	-	7.0%	-	14.0%	-	21.1%	14.4%	17.8%	-	16.3%	12.4%	8.2%	11.8%
Water stoppage in last 3 mon.	4.2%	3.2%	3.3%	2.6%	6.1%	4.6%	1.9%	6.3%	7.9%	-	4.0%	-	3.7%	-
No flush toilets working some time in last 3 mon.	3.4%	2.0%	2.7%	1.1%	4.9%	-	7.9%	5.4%	13.1%	10.1%	6.1%	3.5%	4.2%	2.6%
With sewage disposal breakdowns in last 3 mon.	2.7%	1.2%	2.5%	1.0%	2.9%	1.7%	1.9%	3.0%	6.1%	4.1%	2.7%	1.5%	2.7%	1.4%
Septic tank, cesspool, chemical toilet	17.5%	-	23.4%	-	5.0%	7.9%	8.9%	15.2%	19.7%	-	13.7%	16.5%	6.7%	1.3%
With septic tank or cesspool breakdowns in last 3 mon.	0.4%	-	0.6%	0.3%	0.1%	-	<0.1%	0.8%	<0.1%	0.6%	<0.1%	0.3%	0.1%	-
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<b>HEATING/FUEL</b>														
<b>Main Heating Equipment</b>														
Warm-air furnace	80.5%	62.7%	83.6%	-	73.8%	52.5%	73.2%	46.5%	45.8%	35.2%	69.6%	55.4%	79.9%	60.1%
Steam or hot water system	0.1%	11.8%	0.1%	10.3%	0.1%	15.2%	<0.1%	21.1%	<0.1%	11.7%	0.4%	12.6%	0.1%	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	7.8%	11.5%	7.2%	12.1%	9.0%	-	3.9%	6.8%	4.5%	5.8%	6.9%	9.6%	7.3%	9.1%
Built-in electric units	1.2%	4.3%	0.6%	2.8%	2.5%	7.6%	3.9%	5.6%	<0.1%	5.5%	2.9%	5.9%	1.6%	3.7%
Floor, wall, or other built-in hot air without ducts	5.8%	-	4.6%	2.9%	8.4%	-	3.9%	6.8%	6.2%	-	8.4%	-	6.9%	-
Room heaters with flue	1.0%	-	0.6%	1.0%	1.8%	-	<0.1%	2.4%	<0.1%	1.4%	2.3%	-	0.9%	-
Room heaters without flue	1.9%	1.2%	1.6%	1.2%	2.7%	1.3%	5.9%	2.7%	40.4%	30.4%	5.5%	2.7%	1.7%	1.1%
Portable electric heaters	0.9%	-	0.8%	0.6%	1.0%	1.4%	5.5%	2.6%	1.0%	1.6%	1.7%	-	0.8%	-
Stoves	0.4%	0.8%	0.5%	1.0%	0.2%	0.5%	<0.1%	2.5%	2.2%	0.7%	0.5%	1.2%	0.2%	-
Fireplace with inserts	<0.1%	0.1%	<0.1%	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%	-	<0.1%	0.2%	<0.1%	0.1%	<0.1%	-	<0.1%	-
Other	0.3%	-	0.3%	-	0.3%	-	<0.1%	0.7%	<0.1%	0.4%	0.8%	0.5%	0.3%	-
No heating equipment	<0.1%	0.4%	<0.1%	0.3%	0.1%	0.6%	<0.1%	1.5%	<0.1%	0.8%	<0.1%	0.6%	0.1%	0.6%
Cooking stove	0.1%	-	0.1%	-	0.2%	-	3.8%	0.7%	<0.1%	0.2%	1.0%	0.2%	0.3%	-
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<b>Water Heating Fuel</b>														
Electricity	33.9%	-	25.6%	37.2%	51.2%	-	29.6%	35.5%	44.7%	-	43.2%	-	32.8%	-
Gas, LP/bottled gas	65.8%	-	74.1%	57.9%	48.4%	-	70.4%	53.7%	54.8%	-	56.2%	-	66.9%	-
Fuel oil	<0.1%	4.9%	<0.1%	4.6%	<0.1%	5.7%	<0.1%	10.1%	<0.1%	4.5%	<0.1%	4.7%	<0.1%	6.1%
Kerosene or other liquid fuel	0.1%	-	0.1%	-	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	0.1%	<0.1%	<0.1%	0.1%	-
Other	0.2%	-	0.2%	-	0.4%	-	<0.1%	0.6%	0.6%	0.1%	0.6%	0.3%	0.2%	-
Clothes Dryer,(000)	365	86,169	281	70,348	83	15,821	4	1,060	12	2,193	37	8,541	161	20,176
Have Clothes Dryer	84.6%	-	96.3%	-	60.1%	46.6%	72.1%	52.5%	61.6%	-	64.9%	-	80.9%	63.9%
Electricity	83.2%	-	81.5%	-	89.2%	-	73.3%	-	84.5%	-	86.2%	-	80.7%	-
Gas, LP gas (liquid propane)	16.7%	22.9%	18.5%	24.8%	10.8%	14.5%	26.7%	-	15.5%	-	13.8%	-	19.3%	26.8%
Other	<0.1%	-	<0.1%	-	<0.1%	0.1%	<0.1%	0.3%	<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	8.0%	-	6.8%	-	11.3%	-	48.6%	-	19.3%	-	14.6%	10.5%	9.0%	-
Heating equipment breakdowns	2.1%	-	1.8%	-	2.9%	-	35.9%	-	3.4%	2.5%	3.6%	2.8%	2.6%	-
Other causes	5.2%	-	4.9%	-	5.7%	-	20.8%	8.1%	12.6%	-	8.9%	6.7%	5.5%	-
Utility interruption	1.7%	-	2.1%	-	0.9%	-	<0.1%	1.4%	4.2%	1.8%	1.4%	-	1.7%	1.1%
Inadequate heating capacity	1.1%	-	0.7%	-	1.9%	-	10.6%	3.2%	5.2%	-	2.5%	-	1.1%	1.4%
Inadequate insulation	1.1%	-	0.6%	-	2.0%	1.5%	6.9%	3.5%	5.4%	3.7%	2.3%	-	1.4%	-
Cost of heating	0.8%	-	0.9%	-	0.5%	1.0%	2.4%	1.4%	<0.1%	2.4%	2.1%	1.3%	1.0%	0.7%
Other	1.5%	-	1.4%	1.1%	1.6%	2.1%	6.4%	2.6%	3.8%	-	3.1%	2.0%	1.4%	1.9%

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SELECTED PHYSICAL PROBLEMS

Severe Physical Problems(,000)	6	2,021	3	922	3	1,099	6	2,021	.	.	2	583	3	859
Severe physical problems	1.4%	1.9%	0.8%	1.2%	2.5%	3.2%	100%	-	.	.	2.9%	3.9%	1.6%	2.7%
Plumbing	0.9%	1.2%	0.6%	0.9%	1.7%	-	67.8%	-	.	.	1.6%	2.4%	1.0%	1.7%
Heating	0.5%	-	0.3%	-	0.7%	1.2%	33.9%	-	.	.	1.1%	-	0.5%	0.9%
Electric	<0.1%	0.1%	<0.1%	0.1%	<0.1%	0.1%	<0.1%	3.6%	.	.	<0.1%	0.2%	<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%	-	1.9%	2.6%	.	.	0.2%	-	<0.1%	0.1%
Moderate Physical Problems(,000)	20	4,188	8	1,648	12	2,540	.	.	20	4,188	6	1,131	10	1,704
Moderate physical problems	4.6%	-	2.8%	2.2%	8.4%	-	.	.	100%	-	11.2%	7.5%	5.0%	-
Plumbing	0.2%	-	0.1%	-	0.5%	-	.	.	5.0%	3.7%	0.7%	0.3%	0.4%	-
Heating	1.9%	1.2%	1.5%	1.1%	2.7%	1.2%	.	.	40.4%	30.4%	5.3%	2.5%	1.7%	1.0%
Upkeep	1.5%	-	0.5%	-	3.7%	-	.	.	33.1%	-	2.7%	-	1.8%	2.3%
Hallways	0.1%	-	<0.1%	-	0.2%	-	.	.	1.2%	3.2%	<0.1%	0.2%	0.1%	-
Kitchen	1.1%	-	0.9%	-	1.7%	-	.	.	24.9%	-	3.4%	2.0%	1.2%	1.7%

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<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)	0.7%	0.5%	0.3%	-	1.7%	1.0%	3.8%	-	3.9%	2.5%	1.9%	1.4%	0.9%	-
2	0.4%	-	0.2%	-	1.0%	0.7%	2.0%	1.4%	2.2%	1.7%	0.2%	0.7%	0.5%	-
3	0.7%	-	0.5%	-	1.2%	-	2.1%	-	1.2%	2.5%	1.2%	-	0.9%	-
4	1.7%	0.9%	0.9%	0.5%	3.5%	2.0%	13.8%	2.9%	7.2%	3.1%	3.5%	1.7%	1.6%	-
5	7.6%	5.3%	4.9%	3.4%	13.3%	9.3%	12.8%	-	13.6%	-	13.9%	9.1%	8.9%	6.8%
6	5.2%	-	3.9%	-	8.0%	-	7.5%	-	7.9%	-	5.4%	-	5.4%	-
7	14.7%	-	12.4%	-	19.8%	-	11.8%	15.6%	19.0%	-	16.4%	-	15.3%	-
8	27.6%	-	28.5%	-	25.6%	-	21.2%	-	22.4%	-	19.5%	24.5%	27.3%	-
9	14.1%	-	16.2%	-	9.7%	11.7%	5.9%	12.0%	6.5%	9.7%	11.2%	-	14.0%	-
10(best)	27.2%	-	32.3%	-	16.2%	19.7%	19.0%	-	16.2%	-	26.7%	-	25.2%	-

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