

**American Housing Survey - Selected Elements Related to Healthy Homes
2009 Philadelphia, PA-NJ and 2009 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)	1,734	111,806	1,238	76,428	497	35,378	29	1,864	55	3,893	256	15,714	531	32,433
GENERAL														
Owner occupied(,000)		76,428		76,428		.		870		1,625		6,389		17,224
Renter occupied(,000)		35,378		.		35,378		994		2,269		9,326		15,209
Owner occupied		68.4%		100%		<0.1%		46.7%		41.7%		40.7%		53.1%
Renter occupied		31.6%		<0.1%		100%		53.3%		58.3%		59.3%		46.9%
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Units in Structure														
1, detached	46.8%	65.4%	61.6%	82.9%	9.9%	27.6%	37.8%	48.2%	14.6%	42.6%	20.6%	44.1%	6.0%	51.4%
1, attached	33.4%	5.3%	34.2%	5.2%	31.5%	5.7%	32.9%	5.2%	35.2%	2.2%	50.0%	5.4%	69.3%	7.1%
2 to 4	6.9%	-	1.3%	1.8%	20.9%	-	11.7%	-	15.8%	-	12.7%	-	11.1%	-
5 to 9	2.6%	4.7%	0.7%	-	7.4%	13.0%	2.9%	7.0%	11.0%	8.2%	3.9%	8.7%	3.5%	7.5%
10 to 19	3.7%	-	0.4%	-	12.1%	-	<0.1%	5.6%	8.5%	-	4.3%	6.6%	2.4%	6.3%
20 to 49	2.4%	3.2%	0.3%	0.7%	7.6%	-	7.9%	-	2.8%	5.7%	2.0%	5.5%	1.3%	6.1%
50 or more	3.3%	-	0.5%	1.0%	10.3%	-	6.8%	-	12.1%	6.4%	6.2%	-	6.5%	8.5%
Manufactured /mobile home or trailer	0.8%	6.1%	0.9%	7.1%	0.3%	4.0%	<0.1%	6.9%	<0.1%	7.3%	0.4%	9.5%	<0.1%	1.1%
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Year Structure Built														
Post-2000	5.9%	12.5%	7.5%	14.4%	1.8%	8.5%	<0.1%	3.9%	<0.1%	4.2%	1.8%	7.7%	1.3%	10.0%
Post-1980	21.9%	37.4%	26.2%	40.9%	11.4%	29.9%	8.2%	18.2%	0.6%	22.3%	9.1%	28.2%	5.7%	26.8%
Pre-1980	78.1%	-	73.8%	-	88.6%	70.1%	91.8%	-	99.4%	77.7%	90.9%	71.8%	94.3%	73.2%
Pre-1960	52.2%	31.7%	50.4%	30.2%	56.6%	34.8%	57.9%	-	77.4%	46.4%	69.1%	36.0%	78.0%	43.6%
Pre-1940	28.1%	15.1%	25.6%	13.2%	34.4%	19.1%	37.1%	26.7%	47.1%	25.8%	46.0%	17.9%	52.2%	22.7%

<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)	1,391	79,052	1,185	67,276	206	11,776	20	993	28	1,743	181	7,768	400	18,978
With a basement under all of house	65.2%	33.8%	64.8%	35.4%	67.0%	24.6%	55.8%	36.3%	70.0%	22.2%	70.4%	26.6%	79.4%	32.9%
With a basement under part of house	15.0%	10.4%	16.0%	10.9%	8.8%	-	13.0%	7.1%	16.0%	7.4%	10.7%	8.3%	10.7%	8.1%
With a crawl space	5.3%	22.8%	5.9%	22.0%	2.0%	27.5%	12.8%	30.8%	3.0%	42.7%	4.1%	26.1%	0.6%	20.9%
On a concrete slab	14.0%	31.5%	12.9%	30.4%	20.5%	38.1%	18.4%	23.6%	6.3%	22.5%	14.4%	36.2%	9.0%	36.7%
In some other way	0.6%	1.5%	0.4%	1.3%	1.6%	2.5%	<0.1%	2.2%	4.7%	-	0.4%	2.8%	0.2%	1.4%

EXTERIOR

External Building Conditions(non multiunit)

Sagging roof	2.4%	-	2.0%	-	4.6%	-	4.7%	9.2%	19.2%	11.3%	6.1%	-	5.5%	2.5%
Missing roofing material	7.2%	5.6%	6.4%	-	11.8%	7.5%	14.7%	-	22.6%	14.7%	8.7%	-	7.7%	-
Hole in roof	2.6%	1.7%	1.9%	1.5%	6.5%	3.4%	5.2%	8.2%	23.5%	11.9%	4.7%	-	7.2%	1.9%
Missing bricks, siding, other outside wall material	2.4%	-	2.1%	-	4.4%	-	4.7%	6.8%	22.8%	14.2%	3.8%	6.1%	4.6%	3.0%
Sloping outside walls	1.5%	-	1.2%	-	3.4%	-	4.7%	7.3%	14.3%	7.0%	3.8%	-	2.9%	1.6%
Boarded up windows	0.6%	1.0%	0.4%	0.8%	1.5%	2.0%	<0.1%	3.4%	7.5%	4.6%	1.1%	2.7%	1.8%	1.1%
Broken windows	3.1%	-	2.8%	-	5.1%	6.8%	4.7%	9.4%	14.7%	-	7.1%	-	5.1%	-
Bars on windows	5.4%	4.0%	4.9%	3.7%	8.6%	5.5%	14.4%	7.2%	16.4%	8.1%	15.3%	6.8%	16.3%	10.2%
Foundation crumbling or has open crack or hole	2.5%	-	1.8%	2.4%	7.0%	4.2%	10.1%	6.7%	24.1%	12.0%	3.8%	-	4.8%	3.6%
None of the above	79.3%	-	81.5%	-	67.0%	-	66.7%	-	30.3%	53.8%	63.8%	-	62.5%	-
None of the above(excluding bars)	83.1%	-	85.0%	-	72.3%	-	70.6%	-	41.6%	58.5%	73.4%	-	73.8%	-

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	13.1%	9.9%	14.4%	10.4%	9.8%	-	27.4%	18.0%	43.2%	28.7%	12.9%	-	17.1%	10.3%
Roof	6.3%	-	6.9%	-	4.9%	-	18.0%	11.4%	29.4%	21.3%	6.2%	-	10.3%	5.3%
Basement leak	5.0%	2.7%	5.6%	3.3%	3.3%	1.6%	11.6%	3.1%	19.2%	5.5%	4.4%	2.0%	4.7%	2.8%
Walls, closed windows, or doors leak	1.9%	-	2.1%	1.7%	1.3%	2.4%	3.7%	5.7%	12.3%	7.2%	1.5%	2.6%	2.4%	-
Other or Unknown exterior Leak	1.7%	1.1%	1.8%	1.0%	1.3%	-	<0.1%	2.5%	8.2%	4.0%	2.6%	1.2%	2.5%	1.2%
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INTERIOR														
Damage														
Holes in floors	1.9%	1.0%	1.4%	0.8%	3.0%	1.6%	7.7%	-	25.0%	10.0%	3.9%	2.2%	3.7%	1.2%
Open cracks or holes	6.3%	4.9%	4.7%	-	10.3%	6.8%	10.7%	16.1%	49.8%	31.3%	10.8%	8.3%	10.8%	6.3%
Broken plaster or peeling paint	3.2%	2.1%	2.5%	1.6%	4.9%	3.2%	7.7%	10.0%	35.7%	19.3%	4.8%	3.9%	5.1%	3.1%
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Water Leakage During Last 12 Months														
With leakage from inside structure	8.9%	-	7.3%	-	13.0%	-	17.3%	-	32.0%	-	11.6%	-	11.1%	-
Fixtures backed up or overflowed	2.0%	-	1.8%	-	2.7%	-	<0.1%	4.0%	7.8%	-	1.9%	2.5%	2.5%	-
Pipes leaked	4.8%	3.6%	3.2%	-	8.8%	5.0%	7.5%	9.4%	23.2%	14.6%	8.1%	4.3%	6.1%	4.1%
Broken water heater	1.0%	-	1.1%	-	0.6%	1.0%	5.2%	1.6%	2.5%	3.8%	0.5%	1.0%	1.0%	-
Other or Unknown	1.9%	-	1.6%	-	2.7%	3.3%	6.1%	-	6.3%	-	2.1%	2.8%	2.1%	3.0%
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Rodents														
Signs of rats in last 3 mon.	0.6%	-	0.3%	-	1.2%	0.8%	3.6%	-	2.7%	3.5%	1.1%	-	1.3%	0.9%
Signs of mice in last 3 mon.	12.9%	5.5%	11.9%	5.2%	15.2%	6.1%	17.1%	13.1%	25.7%	12.1%	19.7%	7.3%	22.8%	5.2%

<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>
Signs of rodents, not sure which kind in last 3 mon.	0.4%	-	0.1%	-	1.3%	0.6%	<0.1%	1.5%	3.1%	1.4%	1.9%	0.7%	0.2%	0.5%
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Electrical														
No electrical wiring	0.2%	-	0.2%	-	<0.1%	0.1%	6.5%	3.0%	<0.1%	0.0%	<0.1%	0.1%	<0.1%	-
Exposed wiring	0.6%	0.3%	0.5%	-	0.7%	0.4%	7.1%	2.7%	<0.1%	0.8%	<0.1%	0.5%	1.0%	0.4%
Rooms without electric outlets	1.9%	1.2%	1.7%	0.9%	2.6%	1.8%	15.2%	7.1%	9.7%	2.7%	3.6%	2.1%	3.2%	1.5%
Fuses/breakers blown in last 3 mon.	10.8%	-	10.9%	-	10.6%	-	13.9%	-	16.0%	-	9.7%	-	10.9%	-
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Sanitation														
Lacking complete kitchen facilities	1.6%	-	0.6%	-	4.0%	-	3.2%	6.6%	47.0%	-	2.6%	-	2.6%	-
Lacking some or all plumbing facilities	1.0%	-	0.7%	-	1.8%	-	62.3%	-	<0.1%	0.1%	1.0%	1.9%	0.8%	1.7%
Water not safe to drink	6.5%	-	5.3%	-	9.4%	-	13.6%	-	14.1%	-	11.1%	-	12.1%	9.0%
Water stoppage in last 3 mon.	2.6%	3.3%	1.8%	2.7%	4.6%	-	2.3%	6.2%	3.1%	8.8%	2.2%	3.9%	2.5%	3.4%
No flush toilets working some time in last 3 mon.	1.9%	-	1.0%	-	4.1%	-	7.8%	4.6%	7.3%	9.4%	4.7%	3.7%	3.5%	2.5%
With sewage disposal breakdowns in last 3 mon.	1.1%	-	1.0%	-	1.3%	1.6%	<0.1%	3.3%	4.0%	3.0%	2.3%	-	2.2%	1.6%
Septic tank, cesspool, chemical toilet	8.2%	20.2%	10.5%	25.9%	2.7%	7.7%	15.6%	-	3.8%	15.7%	5.3%	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%	0.7%	<0.1%	0.4%	<0.1%	0.2%	<0.1%	-
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HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	59.7%	-	61.4%	-	55.7%	-	59.3%	-	58.8%	39.0%	56.4%	-	55.4%	-
Steam or hot water system	27.8%	11.2%	26.9%	9.8%	30.2%	14.2%	19.7%	-	27.4%	12.9%	33.8%	11.4%	36.6%	15.5%

<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	5.2%	11.9%	5.9%	12.8%	3.5%	9.9%	<0.1%	6.5%	4.0%	4.9%	2.2%	9.6%	2.6%	8.6%
Built-in electric units	3.4%	4.3%	2.2%	2.8%	6.3%	-	9.2%	6.0%	3.3%	4.8%	3.8%	5.7%	2.1%	3.7%
Floor, wall, or other built-in hot air without ducts	3.0%	4.3%	2.7%	-	3.7%	7.8%	3.8%	5.5%	3.3%	5.4%	3.3%	7.2%	2.2%	5.7%
Room heaters with flue	0.3%	0.8%	0.2%	0.8%	0.3%	1.0%	<0.1%	0.8%	<0.1%	1.1%	<0.1%	1.6%	<0.1%	0.5%
Room heaters without flue	0.1%	1.0%	0.2%	0.9%	0.1%	1.2%	5.1%	1.9%	2.0%	27.5%	0.4%	2.2%	0.3%	0.7%
Portable electric heaters	<0.1%	-	<0.1%	0.7%	<0.1%	1.8%	<0.1%	3.1%	<0.1%	2.1%	<0.1%	2.7%	<0.1%	1.3%
Stoves	0.1%	0.9%	0.1%	1.1%	<0.1%	0.5%	<0.1%	4.2%	<0.1%	1.2%	<0.1%	1.3%	<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%	0.2%	-
Fireplace without inserts	0.1%	-	0.1%	-	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	0.2%	-
Other	0.3%	-	0.2%	-	0.3%	-	2.9%	0.8%	1.2%	0.4%	<0.1%	0.7%	0.4%	-
No heating equipment	<0.1%	0.3%	<0.1%	0.3%	<0.1%	0.5%	<0.1%	-	<0.1%	0.5%	<0.1%	0.5%	<0.1%	0.6%
Cooking stove	<0.1%	0.1%	<0.1%	-	<0.1%	0.1%	<0.1%	0.2%	<0.1%	0.1%	<0.1%	0.2%	<0.1%	0.1%
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Water Heating Fuel														
Electricity	25.4%	40.7%	24.1%	38.4%	28.7%	45.6%	17.4%	31.9%	27.5%	40.1%	20.2%	47.4%	13.7%	31.0%
Gas, LP/bottled gas	65.2%	-	65.1%	-	65.5%	49.7%	73.0%	57.5%	70.5%	54.7%	72.3%	48.8%	84.3%	64.0%
Fuel oil	9.2%	4.2%	10.6%	4.0%	5.7%	-	6.4%	9.9%	<0.1%	4.8%	7.1%	3.7%	1.8%	4.8%
Kerosene or other liquid fuel	0.1%	-	0.1%	-	<0.1%	<0.1%	<0.1%	<0.1%	2.0%	0.1%	0.4%	<0.1%	0.2%	-
Other	0.1%	-	0.2%	-	0.1%	-	3.3%	0.6%	<0.1%	0.3%	<0.1%	0.1%	0.1%	-
Clothes Dryer,(000)	1,360	90,905	1,139	72,562	221	18,343	15	1,048	20	2,245	135	9,428	337	21,757
Have Clothes Dryer	78.5%	-	92.0%	-	44.6%	-	51.5%	-	35.8%	57.7%	52.8%	-	63.5%	-
Electricity	63.1%	77.5%	61.4%	75.9%	71.4%	-	67.7%	-	61.7%	82.2%	62.7%	82.6%	50.8%	73.5%
Gas, LP gas (liquid propane)	36.9%	22.4%	38.5%	24.1%	28.6%	15.7%	32.3%	23.5%	38.3%	17.8%	37.3%	17.4%	49.2%	26.4%
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%

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	9.9%	-	8.3%	-	14.2%	-	47.7%	-	30.4%	20.7%	16.6%	13.2%	13.7%	9.9%
Heating equipment breakdowns	4.3%	2.4%	3.7%	2.1%	5.8%	3.2%	33.5%	-	13.9%	4.9%	5.4%	3.6%	5.8%	3.0%
Other causes	5.3%	6.4%	4.7%	6.0%	6.8%	-	9.9%	-	15.3%	-	10.2%	-	7.2%	-
Utility interruption	1.0%	2.5%	1.0%	2.9%	0.9%	1.5%	<0.1%	2.4%	4.1%	2.4%	2.2%	-	0.9%	1.4%
Inadequate heating capacity	0.7%	1.0%	0.6%	-	1.1%	2.0%	<0.1%	2.4%	2.3%	4.1%	2.2%	-	1.2%	1.5%
Inadequate insulation	1.2%	0.9%	0.8%	0.5%	2.0%	1.6%	3.8%	2.7%	2.3%	4.6%	2.6%	1.7%	2.4%	1.2%
Cost of heating	1.4%	-	1.2%	-	1.8%	1.3%	<0.1%	1.7%	3.9%	2.8%	2.2%	1.7%	2.2%	1.3%
Other	1.4%	-	1.3%	-	1.5%	2.0%	6.6%	3.4%	4.8%	-	2.4%	-	1.1%	1.7%

SELECTED PHYSICAL PROBLEMS

Severe Physical Problems(,000)	29	1,864	15	870	14	994	29	1,864	.	.	5	490	7	825
Severe physical problems	1.7%	-	1.2%	-	2.8%	-	100%	-	.	.	2.0%	3.1%	1.3%	2.5%
Plumbing	1.0%	-	0.7%	-	1.8%	-	62.3%	-	.	.	1.0%	1.9%	0.8%	1.7%
Heating	0.5%	-	0.3%	-	0.9%	-	29.0%	-	.	.	1.0%	-	0.5%	0.8%
Electric	0.2%	-	0.2%	-	0.1%	-	9.1%	3.8%	.	.	<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%	-	7.7%	4.0%	.	.	<0.1%	0.2%	<0.1%	0.1%
Moderate Physical Problems(,000)	55	3,893	22	1,625	33	2,269	.	.	55	3,893	19	1,066	36	1,580
Moderate physical problems	3.2%	-	1.8%	-	6.7%	-	.	.	100%	-	7.5%	-	6.8%	4.9%
Plumbing	<0.1%	-	<0.1%	0.1%	0.2%	-	.	.	1.4%	4.2%	<0.1%	0.4%	<0.1%	0.2%
Heating	0.1%	1.0%	0.1%	0.9%	<0.1%	1.1%	.	.	2.0%	27.5%	0.4%	2.1%	0.2%	0.7%
Upkeep	1.5%	-	0.6%	-	3.8%	-	.	.	47.0%	-	2.6%	-	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	1.6%	1.1%	1.2%	0.8%	2.7%	1.6%	.	.	51.6%	30.2%	4.4%	2.2%	4.0%	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)	0.9%	0.5%	0.4%	-	2.0%	1.0%	<0.1%	2.9%	4.0%	2.1%	3.8%	1.6%	1.9%	0.8%
2	0.3%	-	<0.1%	0.2%	1.1%	0.6%	<0.1%	1.5%	3.9%	1.0%	0.5%	-	0.4%	-
3	0.7%	-	0.2%	-	1.8%	1.3%	2.6%	2.0%	6.3%	3.3%	1.3%	-	1.1%	0.7%
4	0.7%	1.1%	0.3%	0.6%	1.7%	2.1%	<0.1%	5.1%	1.8%	3.4%	1.2%	2.1%	1.3%	-
5	5.1%	-	3.8%	-	8.6%	-	14.8%	8.3%	16.2%	12.4%	8.7%	-	9.2%	6.2%
6	5.5%	-	5.4%	3.6%	5.6%	7.5%	3.3%	8.5%	12.4%	9.4%	5.5%	-	7.5%	5.7%
7	14.1%	-	13.0%	-	16.9%	-	28.8%	17.5%	10.6%	17.0%	15.6%	-	16.5%	-
8	27.3%	-	27.2%	-	27.6%	-	12.4%	24.1%	7.8%	22.0%	21.3%	-	24.6%	-
9	16.0%	-	16.2%	-	15.3%	-	9.2%	11.7%	16.2%	11.3%	12.4%	-	13.3%	-
10(best)	29.5%	-	33.5%	-	19.3%	-	28.7%	18.4%	20.8%	-	29.7%	-	24.3%	-

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