

**American Housing Survey - Selected Elements Related to Healthy Homes
2011 Los Angeles-Long Beach, CA 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)	3,229	114,907	1,492	76,091	1,737	38,816	69	2,103	148	4,126	601	16,060	1,343	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%	
Units in Structure															
1, detached	50.4%	64.2%	83.3%	-	22.1%	28.6%	39.0%	-	19.2%	39.6%	35.0%	42.7%	41.1%	-	
1, attached	7.4%	5.9%	5.3%	-	9.2%	6.8%	5.4%	-	4.0%	-	9.8%	6.1%	5.7%	7.9%	
2 to 4	9.3%	-	2.2%	-	15.4%	19.4%	8.2%	14.8%	18.0%	-	13.8%	-	10.9%	-	
5 to 9	8.8%	4.7%	1.7%	0.8%	15.0%	-	12.6%	6.9%	16.6%	10.3%	10.8%	8.5%	10.0%	7.4%	
10 to 19	7.2%	4.4%	1.5%	0.7%	12.1%	-	12.2%	8.1%	14.7%	7.3%	10.2%	6.9%	9.5%	6.5%	
20 to 49	8.1%	3.2%	1.7%	0.5%	13.6%	8.5%	10.0%	6.5%	17.1%	6.9%	10.2%	5.8%	11.6%	6.1%	
50 or more	7.3%	3.6%	1.7%	1.0%	12.0%	8.8%	7.3%	-	9.9%	7.0%	7.6%	6.1%	10.5%	-	
Manufactured /mobile home or trailer	1.5%	6.3%	2.8%	7.5%	0.5%	3.9%	5.4%	7.4%	0.6%	7.8%	2.6%	10.3%	0.7%	1.3%	
Year Structure Built															
Post-2000	4.7%	13.8%	4.6%	15.6%	4.8%	10.2%	<0.1%	5.0%	1.6%	4.4%	2.7%	9.3%	5.5%	10.9%	
Post-1980	18.8%	38.7%	16.6%	42.1%	20.7%	32.2%	13.5%	21.1%	16.3%	22.4%	18.5%	31.1%	18.6%	27.7%	
Pre-1980	81.2%	61.3%	83.4%	57.9%	79.3%	-	86.5%	-	83.7%	-	81.5%	-	81.4%	-	
Pre-1960	49.2%	30.9%	58.1%	29.5%	41.6%	-	62.4%	47.2%	45.9%	-	46.5%	34.6%	49.6%	-	
Pre-1940	15.0%	-	14.6%	-	15.3%	18.5%	24.1%	-	17.3%	24.4%	12.8%	17.2%	20.1%	-	

<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)	1,864	80,505	1,321	66,752	543	13,753	30	1,040	34	1,772	269	7,844	629	18,949
With a basement under all of house	1.1%	32.7%	1.2%	34.4%	0.9%	24.0%	<0.1%	32.2%	2.9%	22.1%	0.7%	27.3%	1.2%	31.9%
With a basement under part of house	2.6%	10.6%	2.9%	11.3%	2.0%	7.2%	9.6%	-	2.6%	8.7%	1.2%	7.3%	2.5%	8.1%
With a crawl space	44.1%	22.1%	45.9%	21.4%	39.8%	25.3%	46.9%	24.1%	49.7%	-	40.8%	25.9%	52.8%	20.2%
On a concrete slab	50.4%	33.1%	48.3%	31.5%	55.2%	41.1%	36.0%	-	42.0%	23.7%	56.3%	36.4%	41.6%	-
In some other way	1.8%	-	1.7%	-	2.1%	-	7.5%	-	2.8%	5.3%	1.0%	3.2%	1.9%	-
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EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	2.3%	-	2.7%	1.8%	1.2%	2.9%	5.8%	9.0%	6.5%	11.4%	1.1%	3.8%	2.6%	-
Missing roofing material	2.6%	3.6%	2.9%	-	2.0%	4.1%	6.1%	9.9%	12.6%	-	3.3%	5.8%	3.2%	-
Hole in roof	1.6%	-	1.7%	1.3%	1.4%	2.4%	<0.1%	7.6%	6.7%	11.9%	0.3%	3.4%	2.2%	-
Missing bricks, siding, other outside wall material	2.1%	-	2.1%	-	2.4%	3.9%	9.3%	-	16.2%	-	1.4%	5.0%	2.6%	3.2%
Sloping outside walls	0.7%	1.2%	0.8%	-	0.3%	2.2%	3.0%	5.9%	2.8%	8.4%	<0.1%	2.3%	1.1%	1.5%
Boarded up windows	0.9%	-	0.4%	0.9%	2.2%	1.6%	3.0%	4.5%	5.4%	-	1.4%	2.6%	0.9%	1.5%
Broken windows	3.7%	-	2.9%	3.7%	5.6%	-	6.0%	14.1%	11.2%	18.1%	4.9%	8.6%	4.1%	-
Bars on windows	14.1%	2.9%	12.3%	2.7%	18.6%	3.8%	12.6%	4.2%	36.2%	7.5%	20.7%	4.8%	21.3%	8.9%
Foundation crumbling or has open crack or hole	4.9%	-	4.9%	-	4.8%	6.8%	19.6%	15.0%	18.8%	-	3.1%	8.4%	5.6%	-
None of the above	73.4%	-	75.6%	-	67.8%	-	54.5%	-	55.4%	-	69.7%	-	64.8%	-
None of the above(excluding bars)	84.3%	-	85.4%	-	81.6%	-	63.7%	-	67.8%	53.3%	86.9%	-	81.4%	-
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	9.6%	-	10.3%	-	9.0%	-	23.9%	17.4%	21.5%	29.4%	6.7%	11.6%	11.8%	-
Roof	6.2%	-	7.1%	-	5.5%	-	9.6%	-	13.8%	16.8%	3.1%	6.5%	7.8%	5.9%
Basement leak	0.2%	2.8%	0.3%	3.4%	0.1%	1.4%	<0.1%	2.5%	<0.1%	5.1%	0.1%	1.9%	0.2%	2.6%
Walls, closed windows, or doors leak	3.0%	2.2%	2.5%	1.8%	3.4%	-	12.5%	4.7%	10.6%	-	3.3%	-	3.4%	-
Other or Unknown exterior Leak	1.1%	-	1.2%	-	1.0%	-	4.1%	2.9%	1.2%	3.3%	0.6%	1.3%	1.6%	-
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INTERIOR														
Damage														
Holes in floors	0.8%	1.0%	0.5%	-	1.0%	1.6%	<0.1%	7.2%	8.0%	9.9%	1.4%	2.1%	0.9%	1.3%
Open cracks or holes	4.1%	5.2%	3.1%	4.2%	5.1%	7.1%	6.7%	18.1%	23.3%	29.9%	5.1%	8.6%	4.1%	6.7%
Broken plaster or peeling paint	2.7%	2.1%	2.0%	1.5%	3.4%	-	8.1%	-	14.0%	18.6%	2.9%	-	3.7%	-
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Water Leakage During Last 12 Months														
With leakage from inside structure	9.2%	-	7.0%	-	11.1%	-	21.8%	16.2%	19.8%	25.1%	7.8%	11.0%	10.9%	-
Fixtures backed up or overflowed	2.8%	1.9%	2.1%	1.7%	3.5%	2.3%	11.0%	4.9%	5.7%	-	2.3%	-	3.5%	2.2%
Pipes leaked	4.3%	-	3.4%	-	5.2%	-	11.7%	8.4%	10.9%	-	3.8%	5.1%	5.7%	4.5%
Broken water heater	0.7%	-	0.6%	-	0.7%	-	1.4%	-	1.9%	-	0.8%	-	0.7%	-
Other or Unknown	1.9%	2.4%	1.3%	1.8%	2.4%	3.6%	1.4%	3.2%	3.7%	6.0%	1.7%	3.0%	1.9%	2.9%
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Rodents														
Signs of rats in last 3 mon.	2.4%	1.0%	2.7%	0.9%	2.1%	1.3%	1.3%	3.3%	4.8%	3.6%	2.0%	-	2.7%	1.4%
Signs of mice in last 3 mon.	3.8%	11.1%	3.7%	11.7%	3.9%	10.0%	8.6%	17.7%	10.6%	20.0%	5.9%	12.5%	3.9%	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.	1.0%	0.6%	1.0%	0.5%	1.0%	-	2.6%	1.5%	1.3%	1.6%	1.0%	-	0.8%	-
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Electrical														
No electrical wiring	0.4%	0.1%	0.2%	-	0.6%	0.2%	1.5%	3.2%	<0.1%	0.1%	0.8%	0.3%	0.3%	-
Exposed wiring	1.8%	-	1.7%	1.3%	1.9%	-	5.6%	-	3.2%	3.9%	2.0%	2.5%	2.2%	1.6%
Rooms without electric outlets	1.9%	0.8%	1.4%	0.6%	2.4%	1.2%	4.3%	6.5%	3.2%	2.2%	2.8%	1.4%	1.8%	1.0%
Fuses/breakers blown in last 3 mon.	7.8%	9.4%	8.5%	-	7.3%	9.4%	18.1%	-	11.0%	15.1%	5.7%	9.1%	7.5%	9.6%
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Sanitation														
Lacking complete kitchen facilities	3.4%	1.7%	1.0%	0.6%	5.5%	4.0%	8.3%	-	71.5%	44.4%	4.6%	3.3%	3.7%	2.8%
Lacking some or all plumbing facilities	1.2%	-	0.9%	-	1.4%	2.1%	56.2%	68.2%	<0.1%	0.0%	0.9%	2.1%	1.2%	1.8%
Water not safe to drink	27.6%	8.3%	21.5%	6.2%	32.9%	12.3%	28.7%	14.7%	36.1%	14.9%	38.9%	13.1%	29.8%	10.1%
Water stoppage in last 3 mon.	4.0%	-	1.7%	3.5%	5.9%	-	4.4%	8.3%	13.4%	9.4%	2.9%	4.8%	5.4%	4.0%
No flush toilets working some time in last 3 mon.	2.9%	1.9%	2.0%	1.1%	3.7%	-	5.8%	-	13.0%	9.8%	4.4%	3.4%	3.3%	2.5%
With sewage disposal breakdowns in last 3 mon.	2.1%	1.4%	2.2%	1.2%	2.1%	-	5.5%	3.7%	6.5%	5.0%	2.8%	2.0%	2.3%	1.6%
Septic tank, cesspool, chemical toilet	1.1%	19.6%	1.5%	25.7%	0.7%	7.5%	2.7%	15.6%	<0.1%	16.1%	0.4%	14.7%	0.8%	1.3%
With septic tank or cesspool breakdowns in last 3 mon.	<0.1%	0.3%	0.1%	0.3%	<0.1%	0.2%	<0.1%	0.8%	<0.1%	0.8%	<0.1%	0.4%	<0.1%	-
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HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	57.5%	-	72.4%	-	44.7%	56.7%	47.4%	-	44.5%	-	42.9%	57.3%	54.1%	-
Steam or hot water system	0.8%	11.0%	0.3%	9.7%	1.2%	13.5%	<0.1%	18.6%	2.1%	14.0%	1.3%	10.9%	0.8%	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	2.1%	11.8%	1.5%	12.9%	2.6%	9.6%	<0.1%	7.1%	2.0%	4.8%	1.7%	9.7%	3.0%	8.5%
Built-in electric units	3.5%	4.2%	1.7%	2.6%	5.0%	7.4%	2.9%	5.2%	3.7%	5.6%	4.7%	5.9%	3.6%	-
Floor, wall, or other built-in hot air without ducts	26.1%	3.9%	17.8%	2.4%	33.2%	6.9%	30.5%	7.0%	29.0%	5.6%	33.4%	6.7%	26.8%	5.2%
Room heaters with flue	0.9%	-	0.7%	-	1.0%	-	<0.1%	1.1%	1.2%	-	0.8%	1.4%	1.1%	0.6%
Room heaters without flue	0.3%	1.0%	0.1%	0.8%	0.4%	1.2%	<0.1%	2.5%	5.9%	25.2%	0.5%	2.2%	0.2%	0.7%
Portable electric heaters	5.1%	1.2%	3.1%	0.9%	6.7%	1.8%	9.7%	3.9%	5.8%	2.0%	7.2%	3.0%	5.9%	1.4%
Stoves	<0.1%	0.9%	<0.1%	1.2%	0.1%	0.5%	<0.1%	4.0%	<0.1%	1.0%	<0.1%	1.2%	0.1%	-
Fireplace with inserts	0.2%	-	0.1%	-	0.2%	-	<0.1%	0.1%	<0.1%	0.1%	0.2%	-	0.2%	-
Fireplace without inserts	0.1%	-	0.2%	-	0.1%	-	<0.1%	0.2%	<0.1%	0.1%	0.2%	-	0.1%	-
Other	1.0%	0.3%	0.7%	0.3%	1.2%	0.4%	1.3%	-	2.5%	0.3%	1.3%	0.7%	0.8%	0.3%
No heating equipment	2.4%	0.4%	1.2%	0.3%	3.4%	0.7%	6.9%	1.1%	3.2%	0.7%	5.3%	0.6%	3.2%	0.7%
Cooking stove	0.2%	-	0.1%	-	0.3%	-	1.4%	0.2%	<0.1%	0.3%	0.6%	0.2%	0.1%	-
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Water Heating Fuel														
Electricity	9.7%	41.3%	6.9%	39.0%	12.0%	45.7%	9.2%	38.7%	13.1%	39.0%	8.8%	46.9%	10.7%	31.9%
Gas, LP/bottled gas	90.1%	54.3%	92.9%	56.6%	87.6%	49.7%	90.8%	53.8%	85.0%	55.2%	90.8%	49.2%	89.2%	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	0.2%	-	0.1%	0.4%	0.4%	-	<0.1%	1.0%	1.9%	0.5%	0.3%	-	0.1%	-
Clothes Dryer,(000)	1,935	93,052	1,365	72,397	570	20,655	32	1,139	46	2,344	245	9,825	677	21,908
Have Clothes Dryer	59.9%	81.0%	91.5%	-	32.8%	53.2%	46.9%	-	31.4%	56.8%	40.7%	61.2%	50.4%	66.1%
Electricity	21.9%	78.1%	18.9%	76.4%	28.9%	84.0%	36.2%	78.9%	27.0%	82.5%	22.7%	82.1%	23.9%	74.3%
Gas, LP gas (liquid propane)	77.8%	21.8%	81.0%	23.5%	70.1%	15.8%	60.3%	21.0%	73.0%	17.5%	76.5%	17.8%	75.7%	25.6%
Other	0.4%	0.1%	0.1%	-	1.0%	0.1%	3.4%	0.1%	<0.1%	<0.1%	0.8%	0.1%	0.4%	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	10.0%	-	8.3%	-	11.6%	-	52.1%	-	16.7%	22.2%	12.0%	-	10.1%	-
Heating equipment breakdowns	3.0%	2.3%	2.6%	1.9%	3.3%	-	41.0%	31.2%	6.4%	4.1%	3.2%	-	3.2%	-
Other causes	6.1%	-	5.5%	-	6.6%	-	9.8%	-	7.6%	15.4%	7.4%	-	5.8%	-
Utility interruption	0.3%	1.9%	0.5%	2.3%	0.1%	1.1%	<0.1%	1.5%	<0.1%	1.9%	0.9%	1.6%	0.3%	1.1%
Inadequate heating capacity	1.6%	1.1%	1.0%	0.7%	2.2%	-	1.4%	3.9%	3.7%	5.4%	2.4%	-	1.5%	-
Inadequate insulation	1.5%	1.1%	1.0%	0.7%	1.9%	-	1.4%	3.1%	2.5%	5.0%	2.0%	-	1.3%	-
Cost of heating	1.0%	-	1.0%	-	1.0%	-	1.3%	1.7%	1.3%	2.8%	0.8%	1.3%	1.0%	-
Other	2.0%	1.3%	2.2%	1.2%	2.0%	-	5.7%	3.5%	1.3%	3.2%	1.8%	-	2.1%	1.6%

SELECTED PHYSICAL PROBLEMS

Severe Physical Problems(,000)	69	2,103	22	907	47	1,196	69	2,103	.	.	12	522	35	909
Severe physical problems	2.1%	-	1.5%	-	2.7%	-	100%	-	.	.	2.1%	3.3%	2.6%	-
Plumbing	1.2%	-	0.9%	-	1.4%	2.1%	56.2%	68.2%	.	.	0.9%	2.1%	1.2%	1.8%
Heating	0.9%	0.5%	0.5%	-	1.2%	0.9%	41.0%	28.6%	.	.	1.0%	-	1.3%	0.8%
Electric	0.1%	-	0.1%	-	0.1%	-	2.9%	-	.	.	0.2%	-	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)	148	4,126	31	1,568	117	2,558	.	.	148	4,126	37	1,170	70	1,628
Moderate physical problems	4.6%	3.6%	2.1%	-	6.7%	-	.	.	100%	-	6.2%	-	5.2%	-
Plumbing	0.2%	-	0.2%	-	0.3%	-	.	.	5.2%	-	0.3%	-	0.5%	-
Heating	0.3%	0.9%	0.1%	0.8%	0.4%	1.1%	.	.	5.9%	25.2%	0.5%	2.1%	0.2%	0.7%
Upkeep	3.3%	1.6%	1.0%	0.5%	5.2%	3.7%	.	.	71.5%	44.4%	4.6%	2.9%	3.5%	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%	-	0.7%	-	1.1%	1.7%	.	.	19.3%	28.2%	0.9%	2.3%	1.0%	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%	-	0.5%	1.1%	1.4%	3.4%	0.7%	3.0%	0.9%	1.5%	0.4%	0.7%
2	0.2%	-	<0.1%	0.1%	0.3%	0.7%	<0.1%	1.9%	<0.1%	1.6%	<0.1%	0.9%	0.2%	-
3	0.5%	-	0.1%	0.4%	0.8%	1.2%	<0.1%	3.5%	2.6%	-	0.7%	1.6%	0.7%	1.0%
4	1.2%	-	0.4%	-	1.8%	-	1.4%	2.7%	4.8%	3.3%	2.0%	-	1.0%	-
5	5.3%	-	2.7%	3.3%	7.4%	-	14.8%	9.6%	10.5%	-	8.3%	-	6.5%	-
6	6.1%	-	4.3%	-	7.6%	-	12.8%	7.1%	13.6%	10.5%	8.2%	6.4%	6.4%	-
7	17.3%	-	15.1%	12.0%	19.2%	-	23.3%	16.5%	16.6%	-	16.1%	-	18.7%	-
8	27.2%	-	25.2%	-	28.9%	-	17.3%	21.2%	24.5%	-	26.1%	-	27.6%	-
9	15.2%	-	18.1%	-	12.8%	-	14.3%	11.1%	9.3%	-	11.4%	-	14.2%	-
10(best)	26.7%	-	34.0%	-	20.6%	-	14.6%	23.0%	17.6%	-	26.3%	-	24.1%	-

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