

**American Housing Survey - Selected Elements Related to Health Homes
2002 Charlotte, NC-SC and 2003 National ***

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)	594	105,842	424	72,238	170	33,604	9	1,970	15	4,316	59	13,741	31,213	
GENERAL														
Owner occupied(,000)	424	72,238	424	72,238	.	.	5	932	6	1,795	26	5,868	16,093	
Renter occupied(,000)	170	33,604	.	.	170	33,604	4	1,039	9	2,521	33	7,873	15,119	
Owner occupied	71.4%	-	100%	-	<0.1%	<0.1%	51.6%	-	40.7%	-	44.0%	-	51.6%	
Renter occupied	28.6%	-	<0.1%	<0.1%	100%	-	48.4%	-	59.3%	-	56.0%	-	48.4%	
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Units in Structure														
1, detached	70.0%	-	85.5%	-	31.2%	24.1%	57.5%	-	56.9%	-	50.9%	-	49.7%	
1, attached	9.2%	5.9%	3.7%	5.1%	22.9%	7.7%	13.0%	6.4%	3.8%	-	16.7%	6.2%	8.1%	
2 to 4	2.9%	7.9%	0.4%	2.0%	9.4%	20.8%	1.6%	12.1%	6.8%	16.4%	5.1%	13.1%	13.2%	
5 to 9	3.9%	4.8%	1.0%	0.7%	11.4%	-	6.7%	8.8%	8.8%	-	6.2%	8.9%	7.8%	
10 to 19	3.3%	4.2%	0.4%	0.7%	10.7%	-	3.3%	5.9%	3.3%	7.7%	5.8%	-	6.5%	
20 to 49	1.4%	3.1%	0.1%	0.5%	4.8%	8.6%	1.7%	6.9%	1.1%	5.7%	0.8%	5.1%	6.0%	
50 or more	0.4%	3.5%	0.1%	0.8%	1.3%	9.2%	1.8%	8.0%	2.0%	5.2%	0.8%	6.1%	7.8%	
Manufactured /mobile home or trailer	8.7%	6.5%	8.9%	-	8.4%	4.0%	14.3%	5.2%	17.2%	6.1%	13.8%	9.3%	0.9%	
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Year Structure Built														
Post-2000	7.0%	4.9%	8.1%	5.9%	4.3%	2.9%	<0.1%	1.3%	2.1%	-	2.1%	2.6%	3.0%	
Post-1980	50.2%	32.2%	53.1%	35.1%	43.1%	26.0%	18.8%	-	22.2%	16.2%	31.9%	24.5%	21.1%	
Pre-1980	49.8%	67.8%	46.9%	64.9%	56.9%	74.0%	81.2%	-	77.8%	-	68.1%	-	78.9%	
Pre-1960	20.3%	35.4%	18.7%	33.7%	24.3%	39.2%	37.3%	52.1%	44.3%	-	30.1%	41.0%	48.8%	
Pre-1940	6.0%	17.5%	5.7%	15.2%	6.8%	22.2%	10.5%	29.8%	18.6%	29.6%	7.7%	20.9%	26.1%	

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Foundation (for 1-unit not manufactured)														
1-Unit not manufactured(,000)	470	74,026	379	63,322	92	10,704	6	1,047	9	2,138	40	7,035		18,035
With a basement under all of house	7.1%	33.0%	7.9%	34.6%	3.6%	23.7%	4.4%	31.4%	8.1%	16.5%	4.1%	26.5%		33.0%
With a basement under part of house	6.4%	11.6%	7.0%	12.2%	3.9%	8.6%	2.3%	11.1%	3.2%	8.6%	6.0%	8.4%		8.5%
With a crawl space	56.5%	25.5%	59.1%	24.5%	45.5%	31.4%	65.2%	31.8%	70.2%	54.1%	55.4%	35.0%		24.4%
On a concrete slab	29.1%	-	25.1%	-	45.5%	35.2%	28.1%	-	13.4%	19.8%	34.5%	-		33.6%
In some other way	1.0%	0.6%	0.9%	0.5%	1.5%	1.1%	<0.1%	2.4%	5.0%	0.9%	<0.1%	1.0%		0.5%
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EXTERIOR														
External Building Conditions														
Sagging roof	2.0%	-	1.9%	-	2.5%	3.1%	5.3%	8.5%	15.2%	9.8%	3.9%	-		2.5%
Missing roofing material	2.4%	3.6%	2.1%	2.9%	3.0%	5.2%	8.3%	-	13.6%	9.6%	4.1%	5.5%		4.4%
Hole in roof	1.3%	1.8%	1.0%	1.4%	1.9%	2.7%	3.5%	8.1%	13.6%	9.1%	2.9%	3.5%		2.3%
Missing bricks, siding, other outside wall material	2.2%	2.8%	1.8%	-	3.3%	4.1%	6.7%	9.5%	12.9%	-	5.2%	-		3.3%
Sloping outside walls	1.1%	1.4%	0.7%	1.0%	2.1%	-	3.5%	5.5%	3.1%	7.5%	1.9%	3.2%		1.7%
Boarded up windows	0.6%	0.9%	0.4%	0.6%	1.1%	1.6%	<0.1%	3.5%	3.8%	-	2.0%	2.5%		1.5%
Broken windows	2.7%	3.7%	2.2%	3.0%	4.1%	5.2%	8.7%	-	16.9%	12.4%	4.3%	6.9%		4.6%
Bars on windows	0.8%	4.1%	0.7%	2.9%	1.1%	6.6%	<0.1%	7.8%	1.0%	8.4%	1.1%	6.2%		10.1%
Foundation crumbling or has open crack or hole	1.8%	2.6%	1.5%	2.2%	2.7%	3.5%	5.2%	8.6%	11.0%	-	2.3%	4.3%		3.1%
None of the above	89.6%	-	90.8%	-	86.5%	-	73.8%	-	57.4%	-	82.0%	-		73.1%

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Water Leakage During Last 12 Months														
With leakage from outside structure	6.5%	10.5%	6.2%	11.1%	7.4%	9.3%	6.8%	16.1%	33.6%	-	8.8%	-	10.0%	
Roof	4.5%	-	4.6%	-	4.3%	-	6.8%	10.9%	26.3%	20.1%	4.9%	6.1%	5.3%	
Basement	0.5%	3.6%	0.6%	4.5%	0.4%	1.8%	<0.1%	3.3%	4.1%	6.0%	0.3%	2.1%	2.9%	
Walls, closed windows, or doors	1.0%	2.1%	0.8%	1.9%	1.6%	2.6%	<0.1%	4.9%	4.2%	9.1%	1.8%	2.7%	2.5%	
Other or Unknown	0.8%	1.3%	0.6%	1.3%	1.5%	-	<0.1%	2.8%	4.0%	6.1%	2.1%	1.3%	1.4%	
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INTERIOR														
Damage														
Holes in floors	0.6%	0.9%	0.3%	-	1.3%	1.7%	3.5%	6.3%	6.4%	9.5%	2.2%	-	1.4%	
Open cracks or holes	3.6%	4.9%	2.9%	3.7%	5.4%	7.6%	10.2%	16.3%	25.5%	31.4%	8.2%	-	6.6%	
Broken plaster or peeling paint	1.7%	2.2%	1.3%	-	2.7%	3.7%	8.3%	10.6%	19.2%	-	2.9%	4.3%	3.5%	
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Water Leakage During Last 12 Months														
With leakage from inside structure	8.4%	-	7.6%	-	10.5%	-	13.2%	17.0%	26.1%	-	9.2%	-	9.6%	
Fixtures backed up or overflowed	2.7%	-	2.5%	-	3.3%	-	1.9%	7.0%	13.2%	9.9%	3.2%	-	3.4%	
Pipes leaked	3.4%	-	2.7%	-	5.0%	-	8.5%	-	14.7%	-	3.9%	5.3%	4.4%	
Broken water heater	1.4%	0.8%	1.3%	0.8%	1.5%	0.8%	2.0%	2.7%	2.6%	-	2.0%	1.1%	0.9%	
Other or Unknown	1.9%	-	1.7%	-	2.3%	-	2.0%	4.6%	4.8%	5.8%	1.4%	1.8%	2.4%	

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Rodents														
Signs of rats in last 3 mon.	0.2%	0.8%	0.1%	0.6%	0.4%	1.3%	1.7%	5.1%	3.1%	4.6%	0.5%	1.8%	1.4%	
Signs of mice in last 3 mon.	4.3%	6.0%	4.1%	5.4%	4.8%	7.3%	3.7%	11.4%	10.4%	16.1%	7.2%	9.2%	6.6%	
Signs of rodents, not sure which kind in last 3 mon.	0.1%	0.3%	<0.1%	-	0.1%	0.5%	<0.1%	1.1%	<0.1%	1.8%	<0.1%	0.7%	0.4%	
Electrical														
No electrical wiring	<0.1%	0.1%	<0.1%	0.1%	<0.1%	0.1%	<0.1%	2.5%	<0.1%	-	<0.1%	0.2%	<0.1%	
Exposed wiring	0.6%	-	0.5%	-	0.8%	-	1.7%	2.7%	1.0%	1.3%	0.8%	-	0.6%	
Rooms without electric outlets	1.1%	1.5%	0.9%	1.2%	1.5%	2.0%	5.0%	8.4%	3.0%	3.7%	1.5%	2.4%	1.6%	
Fuses/breakers blown in last 3 mon.	9.2%	-	9.4%	-	8.7%	-	8.4%	12.5%	19.2%	-	10.8%	7.9%	9.4%	
Sanitation														
Lacking complete kitchen facilities	0.8%	1.5%	0.4%	-	2.0%	3.7%	3.2%	7.3%	31.1%	-	2.6%	-	2.5%	
Lacking some or all plumbing facilities	1.1%	-	0.9%	-	1.7%	-	73.1%	-	<0.1%	0.0%	2.3%	-	1.9%	
Water not safe to drink	4.2%	9.2%	3.6%	7.1%	5.6%	13.9%	6.5%	16.7%	12.6%	17.2%	9.6%	12.6%	12.3%	
Water stoppage in last 3 mon.	4.0%	-	3.3%	-	5.6%	-	9.6%	6.2%	6.6%	-	6.0%	4.1%	3.4%	
No flush toilets working some time in last 3 mon.	2.6%	-	1.9%	1.2%	4.3%	-	8.8%	6.8%	12.0%	-	5.7%	4.1%	3.0%	
With sewage disposal breakdowns in last 3 mon.	1.5%	-	1.4%	-	1.6%	-	5.0%	3.7%	4.8%	-	0.5%	2.3%	1.8%	
Septic tank, cesspool, chemical toilet	27.7%	20.7%	33.2%	-	14.0%	7.9%	17.3%	13.3%	32.3%	18.2%	23.3%	17.7%	1.2%	
With septic tank or cesspool breakdowns in last 3 mon.	0.3%	-	0.3%	-	0.3%	-	<0.1%	-	2.1%	0.9%	<0.1%	0.5%	<0.1%	

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HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	63.7%	-	67.9%	-	53.0%	-	50.8%	-	37.5%	-	61.7%	-		58.6%
Steam or hot water system	0.5%	12.5%	0.6%	10.8%	0.3%	16.2%	<0.1%	22.5%	<0.1%	12.9%	0.5%	12.6%		17.7%
Electric heat pump	27.1%	10.7%	24.5%	11.5%	33.5%	9.1%	22.8%	4.2%	9.1%	4.8%	17.9%	8.4%		8.5%
Built-in electric units	1.7%	4.5%	1.5%	3.0%	2.3%	7.6%	3.4%	4.3%	1.8%	4.5%	2.3%	5.9%		3.7%
Floor, wall, or other built-in hot air without ducts	3.4%	5.0%	2.6%	3.2%	5.4%	9.0%	10.3%	-	3.8%	5.5%	7.4%	-		7.0%
Room heaters with flue	1.2%	-	0.9%	-	1.8%	-	1.7%	2.5%	1.9%	-	3.5%	2.8%		1.0%
Room heaters without flue	1.1%	1.4%	0.7%	1.4%	2.0%	1.5%	1.7%	3.1%	41.1%	-	4.1%	-		1.3%
Portable electric heaters	0.3%	0.7%	0.2%	0.5%	0.7%	1.1%	3.3%	1.8%	3.0%	1.6%	0.7%	1.5%		0.8%
Stoves	0.5%	1.0%	0.6%	1.2%	0.3%	0.5%	4.3%	3.3%	<0.1%	1.0%	1.0%	1.4%		<0.1%
Fireplace with inserts	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%		<0.1%
Other	0.4%	-	0.3%	-	0.7%	-	1.7%	0.7%	1.8%	0.2%	0.9%	0.6%		0.4%
No heating equipment	<0.1%	0.4%	<0.1%	0.3%	<0.1%	0.7%	<0.1%	1.5%	<0.1%	0.6%	<0.1%	0.7%		0.7%
Cooking stove	<0.1%	0.1%	<0.1%	0.1%	<0.1%	0.3%	<0.1%	0.2%	<0.1%	0.2%	<0.1%	0.3%		0.3%
Water Heating Fuel														
Electricity	61.7%	39.2%	54.7%	37.5%	79.2%	43.0%	67.3%	31.5%	73.3%	36.9%	72.1%	44.7%		29.0%
Gas, LP/bottled gas	37.9%	55.4%	44.8%	57.6%	20.6%	50.7%	32.7%	57.7%	25.8%	57.8%	27.4%	50.1%		64.3%
Fuel oil	0.1%	5.1%	0.2%	4.6%	0.1%	6.1%	<0.1%	10.4%	<0.1%	5.0%	<0.1%	4.9%		6.4%
Kerosene or other liquid fuel	0.1%	-	<0.1%	-	0.1%	-	<0.1%	<0.1%	<0.1%	<0.1%	0.3%	-		<0.1%
Other	0.2%	-	0.3%	-	<0.1%	0.2%	<0.1%	0.4%	0.9%	0.3%	0.2%	-		0.3%

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Clothes Dryer Fuel(,000)	507	82,538	405	67,262	102	15,276	6	1,014	8	2,387	36	7,720		19,624
Electricity	92.1%	-	90.6%	-	97.9%	-	89.1%	-	94.5%	-	90.9%	-		71.7%
Gas, LP gas (liquid propane)	7.9%	23.5%	9.4%	25.1%	2.1%	16.3%	10.9%	24.5%	5.5%	17.0%	9.1%	18.5%		28.3%
Other	<0.1%	-	<0.1%	-	<0.1%	0.1%	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	-		-
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Heating Problems														
Uncomfortably cold for 24 hours or more last winter	6.8%	-	5.6%	-	10.1%	-	32.5%	-	18.9%	-	12.4%	-		9.1%
Heating equipment breakdowns	2.4%	-	2.1%	1.6%	3.4%	-	26.9%	-	3.8%	-	3.5%	2.8%		2.8%
Other causes	3.8%	4.9%	3.3%	4.4%	5.2%	-	3.4%	8.6%	14.1%	10.6%	7.5%	-		5.3%
Utility interruption	1.4%	2.1%	1.5%	2.3%	1.2%	1.5%	<0.1%	1.3%	1.0%	2.0%	2.1%	-		1.6%
Inadequate heating capacity	1.0%	-	0.5%	-	2.2%	1.7%	3.4%	-	8.1%	3.5%	2.1%	-		1.3%
Inadequate insulation	1.0%	-	0.6%	-	1.9%	-	3.4%	-	8.9%	3.6%	2.6%	1.7%		1.1%
Cost of heating	0.5%	-	0.6%	-	0.5%	0.8%	<0.1%	0.8%	2.2%	-	1.3%	-		0.7%
Other	0.8%	1.2%	0.7%	1.0%	1.1%	1.6%	<0.1%	3.2%	2.4%	-	2.0%	-		1.4%
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SELECTED PHYSICAL PROBLEMS														
Severe Physical Problems(,000)	9	1,970	5	932	4	1,039	9	1,970	.	.	2	498		881
Severe physical problems	1.5%	1.9%	1.1%	-	2.5%	3.1%	100%	-	.	.	2.7%	3.6%		2.8%
Plumbing	1.1%	-	0.9%	-	1.7%	-	73.1%	-	.	.	2.3%	-		1.9%
Heating	0.3%	-	0.2%	-	0.7%	-	23.4%	-	.	.	0.5%	0.8%		0.8%
Electric	<0.1%	-	<0.1%	0.1%	0.1%	-	1.7%	4.7%	.	.	<0.1%	0.3%		0.1%
Hallways	<0.1%	-	<0.1%	0.0%	<0.1%	-	<0.1%	0.4%	.	.	<0.1%	-		<0.1%
Upkeep	<0.1%	-	<0.1%	-	0.1%	-	1.8%	4.4%	.	.	<0.1%	0.3%		0.2%

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Moderate Physical Problems(,000)	15	4,316	6	1,795	9	2,521	.	.	15	4,316	5	1,107		1,746
Moderate physical problems	2.6%	4.1%	1.5%	2.5%	5.3%	7.5%	.	.	100%	-	8.8%	-		5.6%
Plumbing	0.1%	-	0.1%	-	0.3%	-	.	.	5.5%	-	1.0%	0.4%		0.3%
Heating	1.1%	1.4%	0.7%	1.3%	1.9%	1.5%	.	.	41.1%	-	4.1%	3.2%		1.2%
Upkeep	0.8%	1.3%	0.3%	-	1.9%	3.4%	.	.	31.1%	-	2.3%	-		2.3%
Hallways	0.1%	-	<0.1%	-	0.2%	-	.	.	2.0%	3.3%	<0.1%	0.3%		0.3%
Kitchen	0.6%	1.2%	0.3%	0.8%	1.4%	2.2%	.	.	25.2%	-	2.2%	-		1.9%
<hr/>														
OVERALL OPINION OF STRUCTURE														
1(worst)	0.4%	-	0.2%	-	1.1%	-	5.0%	2.6%	3.0%	-	1.6%	-		0.6%
2	0.4%	-	0.3%	-	0.8%	-	<0.1%	1.8%	2.8%	1.6%	1.2%	0.9%		0.5%
3	0.6%	-	0.2%	-	1.6%	-	<0.1%	4.4%	2.1%	3.3%	1.0%	1.7%		1.2%
4	1.2%	-	0.7%	-	2.6%	-	5.2%	2.6%	1.7%	3.9%	2.9%	2.2%		1.5%
5	5.5%	-	3.7%	-	9.7%	-	11.9%	-	18.0%	14.0%	11.2%	8.9%		7.4%
6	5.7%	-	3.9%	-	10.0%	-	10.4%	7.5%	10.7%	-	4.9%	6.2%		7.3%
7	14.3%	-	12.9%	-	17.9%	-	12.2%	16.4%	11.1%	14.2%	14.0%	-		16.3%
8	28.3%	-	28.4%	-	28.1%	-	23.6%	-	21.6%	-	17.7%	24.3%		28.5%
9	12.8%	15.8%	14.5%	17.8%	8.8%	11.4%	6.9%	10.1%	2.1%	10.2%	8.5%	11.1%		14.1%
10(best)	30.8%	-	35.3%	-	19.5%	-	24.8%	-	26.9%	17.6%	36.9%	-		22.6%

* = National Statistic only reported if Metropolitan Statistical Area (MSA) is $\geq 20\%$ (relative) and 0.25% (absolute) different from National.
See www.healthyhometraining.org/ahs/ for more info.