

**American Housing Survey - Selected Elements Related to Healthy Homes
Charlotte, NC-SC in 2011 and 2002**

2002 is only reported if >=5% (relative) and 0.1% (absolute) different from

2011 (otherwise "-" is listed).

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002
Total Occupied Units(,000)	670	594	446	424	224	170	7	9	19	15	106	59		<1
GENERAL														
Owner occupied(,000)	446	424	446	424	.	.	4	5	8	6	45	26		.
Renter occupied(,000)	224	170	.	.	224	170	3	4	11	9	61	33		.
Owner occupied	66.5%	71.4%	100%	-	.	.	54.7%	51.6%	39.8%	-	42.6%	-		<0.1%
Renter occupied	33.5%	28.6%	.	.	100%	-	45.3%	48.4%	60.2%	-	57.4%	-		<0.1%
Units in Structure														
1, detached	69.8%	-	87.1%	-	35.4%	31.2%	65.8%	57.5%	28.4%	56.9%	50.5%	-		-
1, attached	7.2%	9.2%	5.6%	3.7%	10.5%	22.9%	6.1%	13.0%	4.8%	-	6.0%	16.7%		-
2 to 4	3.7%	-	0.7%	-	9.4%	-	2.7%	-	10.7%	6.8%	6.4%	5.1%		-
5 to 9	4.3%	-	0.8%	-	11.4%	-	12.3%	6.7%	11.7%	8.8%	8.5%	6.2%		-
10 to 19	5.3%	3.3%	0.3%	-	15.2%	10.7%	9.6%	3.3%	17.0%	3.3%	9.2%	5.8%		-
20 to 49	3.3%	-	0.2%	-	9.5%	4.8%	<0.1%	1.7%	6.6%	1.1%	5.3%	0.8%		-
50 or more	1.0%	-	0.3%	-	2.3%	-	<0.1%	1.8%	3.6%	-	1.4%	-		-
Manufactured /mobile home or trailer	5.4%	8.7%	5.0%	8.9%	6.3%	8.4%	3.6%	14.3%	17.2%	-	12.6%	13.8%		-
Year Structure Built														
Post-2000	27.4%	7.0%	29.3%	8.1%	23.8%	4.3%	12.6%	<0.1%	22.7%	2.1%	16.9%	2.1%		-
Post-1980	63.9%	50.2%	66.1%	53.1%	59.7%	43.1%	24.8%	18.8%	54.8%	22.2%	51.2%	31.9%		-
Pre-1980	36.1%	49.8%	33.9%	46.9%	40.3%	56.9%	75.2%	81.2%	45.2%	77.8%	48.8%	68.1%		-
Pre-1960	14.5%	20.3%	12.9%	18.7%	17.6%	24.3%	36.2%	-	14.8%	44.3%	19.9%	30.1%		-
Pre-1940	3.9%	6.0%	3.3%	5.7%	5.2%	6.8%	3.4%	10.5%	2.2%	18.6%	4.8%	7.7%		-

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002
	Foundation (for 1-unit not manufactured)													
1-Unit not manufactured(,000)	516	470	413	379	103	92	5	6	6	9	60	40		<1
With a basement under all of house	5.6%	7.1%	6.2%	7.9%	3.1%	-	3.7%	-	7.1%	8.1%	6.5%	4.1%		-
With a basement under part of house	4.5%	6.4%	4.6%	7.0%	3.9%	-	4.4%	-	3.4%	-	4.7%	6.0%		-
With a crawl space	50.6%	56.5%	51.6%	59.1%	46.5%	-	61.4%	65.2%	41.6%	70.2%	52.7%	55.4%		-
On a concrete slab	38.2%	29.1%	36.6%	25.1%	44.8%	-	30.5%	28.1%	44.3%	13.4%	34.9%	-		-
In some other way	1.1%	-	0.9%	-	1.7%	-	<0.1%	-	3.7%	5.0%	1.2%	-		-
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EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	2.0%	-	1.7%	-	3.4%	-	15.6%	6.2%	20.1%	17.2%	4.4%	-		-
Missing roofing material	3.7%	-	3.8%	-	3.4%	-	20.1%	9.7%	9.8%	16.7%	3.8%	-		-
Hole in roof	2.0%	-	2.1%	-	1.8%	-	15.6%	4.1%	19.6%	16.7%	4.0%	-		-
Missing bricks, siding, other outside wall material	1.9%	-	1.6%	-	3.0%	-	24.2%	5.8%	4.1%	14.9%	2.6%	5.1%		-
Sloping outside walls	1.0%	-	0.7%	-	2.2%	-	7.6%	4.0%	12.2%	3.9%	2.1%	-		-
Boarded up windows	0.5%	-	0.2%	-	1.6%	-	3.8%	-	9.6%	4.8%	2.7%	-		-
Broken windows	3.3%	-	2.7%	-	5.4%	-	18.5%	10.1%	20.1%	21.1%	6.4%	4.6%		-
Bars on windows	0.8%	-	0.6%	-	1.4%	-	3.9%	-	2.4%	-	1.2%	-		-
Foundation crumbling or has open crack or hole	8.6%	1.7%	8.8%	1.5%	8.1%	2.7%	12.2%	6.0%	21.4%	11.2%	9.0%	1.9%		-
None of the above	81.8%	89.4%	82.7%	90.7%	78.7%	84.2%	48.4%	73.3%	52.0%	55.7%	77.0%	81.6%		-
None of the above(excluding bars)	82.3%	89.9%	83.1%	91.2%	79.4%	84.8%	52.4%	73.3%	52.0%	55.7%	77.3%	82.3%		-

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002
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Water Leakage During Last 12 Months														
With leakage from outside structure	9.8%	6.5%	10.2%	6.2%	8.9%	7.4%	24.5%	6.8%	39.9%	33.6%	11.1%	8.8%	-	-
Roof	7.5%	4.5%	8.5%	4.6%	5.6%	4.3%	15.3%	6.8%	33.7%	26.3%	7.9%	4.9%	-	-
Basement leak	0.2%	-	0.3%	-	0.1%	-	<0.1%	-	<0.1%	4.1%	0.4%	-	-	-
Walls, closed windows, or doors leak	1.6%	-	1.1%	-	2.8%	-	9.2%	<0.1%	7.3%	4.2%	2.4%	-	-	-
Other or Unknown exterior Leak	0.8%	-	0.8%	-	0.8%	-	2.9%	-	2.7%	-	1.3%	-	-	-
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INTERIOR														
Damage														
Holes in floors	0.9%	-	0.8%	-	1.2%	-	5.5%	3.5%	4.6%	6.4%	2.1%	-	-	-
Open cracks or holes	5.1%	3.6%	4.7%	-	5.9%	5.4%	21.2%	10.2%	26.0%	-	7.1%	8.2%	-	-
Broken plaster or peeling paint	1.5%	-	1.2%	-	2.0%	-	11.8%	8.3%	19.6%	-	2.9%	-	-	-
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Water Leakage During Last 12 Months														
With leakage from inside structure	7.6%	8.4%	6.8%	7.6%	9.3%	10.5%	26.4%	13.2%	31.8%	26.1%	9.4%	-	-	-
Fixtures backed up or overflowed	2.0%	-	1.9%	-	2.3%	-	11.2%	1.9%	10.8%	13.2%	3.2%	-	-	-
Pipes leaked	3.4%	-	3.4%	-	3.6%	5.0%	15.2%	8.5%	17.1%	14.7%	3.6%	-	-	-
Broken water heater	0.7%	-	0.4%	-	1.1%	-	2.9%	-	2.8%	-	1.0%	-	-	-
Other or Unknown	1.8%	-	1.3%	-	3.0%	-	2.7%	-	6.1%	4.8%	2.6%	-	-	-
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Rodents														
Signs of rats in last 3 mon.	0.4%	-	0.4%	-	0.4%	-	2.8%	-	1.6%	-	0.7%	-	-	-

<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>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>
Signs of mice in last 3 mon.	9.7%	4.3%	11.3%	4.1%	6.6%	4.8%	18.8%	3.7%	16.5%	10.4%	8.8%	7.2%	-	-
Signs of rodents, not sure which kind in last 3 mon.	0.6%	-	0.6%	-	0.5%	-	<0.1%	-	3.3%	-	1.0%	-	-	-
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Electrical														
No electrical wiring	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	-	-
Exposed wiring	1.3%	-	1.0%	-	1.9%	-	6.0%	1.7%	5.0%	-	2.9%	-	-	-
Rooms without electric outlets	0.6%	-	0.3%	-	1.1%	-	3.1%	5.0%	<0.1%	3.0%	1.1%	-	-	-
Fuses/breakers blown in last 3 mon.	10.6%	9.2%	12.0%	9.4%	7.9%	8.7%	27.6%	8.4%	14.6%	19.2%	9.5%	10.8%	-	-
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Sanitation														
Lacking complete kitchen facilities	1.5%	-	0.4%	-	3.6%	-	3.0%	-	51.9%	31.1%	3.0%	-	-	-
Lacking some or all plumbing facilities	0.4%	-	0.2%	-	0.7%	-	34.2%	73.1%	<0.1%	-	0.9%	-	-	-
Water not safe to drink	5.3%	4.2%	4.7%	-	6.7%	5.6%	13.0%	6.5%	14.7%	12.6%	7.4%	9.6%	-	-
Water stoppage in last 3 mon.	3.8%	-	3.7%	-	4.1%	5.6%	15.3%	9.6%	7.0%	6.6%	3.2%	6.0%	-	-
No flush toilets working some time in last 3 mon.	1.7%	-	1.1%	-	2.9%	-	12.2%	8.8%	6.7%	12.0%	2.6%	5.7%	-	-
With sewage disposal breakdowns in last 3 mon.	1.0%	-	1.0%	-	0.9%	-	3.1%	5.0%	2.5%	-	1.4%	-	-	-
Septic tank, cesspool, chemical toilet	18.6%	27.7%	23.4%	33.2%	8.9%	14.0%	11.5%	17.3%	18.9%	32.3%	20.4%	23.3%	-	-
With septic tank or cesspool breakdowns in last 3 mon.	0.1%	-	0.1%	-	0.1%	-	<0.1%	-	<0.1%	2.1%	0.4%	-	-	-
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HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	66.1%	-	71.3%	-	55.7%	-	76.0%	50.8%	42.6%	37.5%	57.7%	61.7%	-	-

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002
	Steam or hot water system	0.3%	-	0.3%	-	0.3%	-	<0.1%	-	<0.1%	-	0.4%	-	-
Electric heat pump	25.5%	27.1%	22.2%	24.5%	32.2%	-	18.0%	22.8%	22.6%	9.1%	26.8%	17.9%	-	-
Built-in electric units	1.5%	-	1.1%	-	2.4%	-	2.9%	-	<0.1%	1.8%	3.3%	-	-	-
Floor, wall, or other built-in hot air without ducts	4.3%	-	3.3%	-	6.3%	5.4%	3.1%	10.3%	8.8%	3.8%	6.3%	7.4%	-	-
Room heaters with flue	0.5%	-	0.4%	-	0.8%	-	<0.1%	1.7%	<0.1%	1.9%	1.3%	-	-	-
Room heaters without flue	0.4%	-	0.5%	-	0.3%	-	<0.1%	1.7%	14.7%	41.1%	0.8%	-	-	-
Portable electric heaters	0.7%	-	0.5%	-	1.3%	-	<0.1%	3.3%	6.4%	3.0%	1.8%	-	-	-
Stoves	0.2%	-	0.2%	-	0.3%	-	<0.1%	4.3%	2.6%	-	0.9%	-	-	-
Fireplace with inserts	0.2%	-	0.2%	-	0.2%	-	<0.1%	-	1.2%	-	<0.1%	-	-	-
Fireplace without inserts	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	-	-
Other	0.1%	-	0.1%	-	0.1%	-	<0.1%	1.7%	<0.1%	1.8%	0.6%	-	-	-
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Water Heating Fuel														
Electricity	56.4%	61.7%	46.5%	54.7%	76.1%	-	64.2%	-	78.3%	73.3%	74.1%	-	-	-
Gas, LP/bottled gas	43.5%	37.9%	53.4%	44.8%	23.8%	20.6%	35.8%	32.7%	21.7%	25.8%	25.9%	27.4%	-	-
Fuel oil	<0.1%	-	<0.1%	0.2%	0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	-	-
Kerosene or other liquid fuel	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	-	-
Other	0.1%	-	0.1%	-	<0.1%	-	<0.1%	-	<0.1%	0.9%	<0.1%	0.2%	-	-
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Clothes Dryer(,000)	599	507	433	405	166	102	6	6	11	8	79	36	<1	-
Have Clothes Dryer	89.5%	-	97.2%	-	74.0%	60.4%	81.9%	62.2%	60.8%	51.5%	74.4%	61.1%	-	-
Electricity	93.5%	-	91.7%	-	98.4%	-	95.9%	89.1%	98.2%	-	97.7%	90.9%	-	-
Gas, LP gas (liquid propane)	6.5%	7.9%	8.3%	9.4%	1.6%	-	4.1%	10.9%	1.8%	5.5%	2.3%	9.1%	-	-
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Heating Problems														
Uncomfortably cold for 24 hours or more last winter	8.1%	6.8%	7.9%	5.6%	8.8%	10.1%	69.0%	32.5%	12.4%	18.9%	11.9%	-	-	-

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002
	Heating equipment breakdowns	3.0%	-	3.2%	-	2.5%	-	62.6%	26.9%	1.2%	-	3.3%	-	-
Other causes	4.3%	-	4.4%	-	4.0%	5.2%	8.8%	3.4%	7.8%	14.1%	6.6%	7.5%	-	-
Utility interruption	1.6%	-	2.0%	-	1.0%	-	2.5%	-	3.9%	-	1.3%	-	-	-
Inadequate heating capacity	0.5%	-	0.4%	-	0.6%	-	3.3%	-	<0.1%	8.1%	0.8%	-	-	-
Inadequate insulation	0.6%	-	0.5%	-	0.9%	-	<0.1%	3.4%	<0.1%	8.9%	1.3%	-	-	-
Cost of heating	0.8%	-	0.7%	-	1.1%	-	<0.1%	-	1.3%	-	1.9%	-	-	-
Other	0.9%	-	1.0%	-	0.6%	-	2.9%	-	2.6%	-	1.5%	-	-	-

SELECTED PHYSICAL PROBLEMS

Severe Physical Problems(,000)	7	9	4	5	3	4	7	9	.	.	2	2	.	.
Severe physical problems	1.1%	-	0.9%	-	1.5%	-	100%	-	.	.	1.9%	-	<0.1%	<0.1%
Plumbing	0.4%	-	0.2%	-	0.7%	-	34.2%	73.1%	.	.	0.9%	-	<0.1%	<0.1%
Heating	0.6%	-	0.7%	-	0.6%	-	59.8%	23.4%	.	.	0.6%	-	<0.1%	<0.1%
Electric	<0.1%	-	<0.1%	-	0.1%	-	3.1%	-	.	.	0.2%	-	<0.1%	<0.1%
Hallways	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	.	.	<0.1%	-	<0.1%	<0.1%
Upkeep	<0.1%	-	<0.1%	-	0.1%	-	2.8%	-	.	.	0.2%	-	<0.1%	<0.1%
Moderate Physical Problems(,000)	19	15	8	6	11	9	.	.	19	15	6	5	.	.
Moderate physical problems	2.8%	-	1.7%	-	5.0%	5.3%	.	.	100%	-	5.4%	8.8%	<0.1%	<0.1%
Plumbing	0.1%	-	0.1%	-	0.2%	-	.	.	4.4%	5.5%	0.2%	-	<0.1%	<0.1%
Heating	0.4%	-	0.5%	-	0.3%	-	.	.	14.7%	41.1%	0.8%	-	<0.1%	<0.1%
Upkeep	1.5%	-	0.4%	-	3.5%	-	.	.	51.9%	31.1%	2.8%	-	<0.1%	<0.1%
Hallways	<0.1%	-	<0.1%	-	<0.1%	0.2%	.	.	<0.1%	2.0%	<0.1%	-	<0.1%	<0.1%
Kitchen	0.9%	-	0.8%	-	1.0%	-	.	.	30.5%	25.2%	1.9%	-	<0.1%	<0.1%

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002
	OVERALL OPINION OF STRUCTURE													
1(worst)	0.3%	-	0.4%	-	0.2%	-	<0.1%	5.0%	4.5%	-	1.1%	-	-	-
2	0.3%	-	0.2%	-	0.4%	-	3.1%	-	<0.1%	2.8%	0.9%	-	-	-
3	0.4%	-	<0.1%	-	1.0%	-	3.0%	-	2.5%	-	1.5%	-	-	-
4	0.6%	-	0.2%	-	1.6%	-	8.5%	5.2%	5.5%	1.7%	1.3%	-	-	-
5	4.5%	5.5%	2.6%	-	8.2%	9.7%	6.0%	11.9%	11.4%	18.0%	9.7%	11.2%	-	-
6	4.8%	5.7%	3.4%	-	7.4%	10.0%	9.7%	10.4%	5.1%	10.7%	6.4%	4.9%	-	-
7	13.3%	14.3%	11.1%	12.9%	17.8%	-	19.3%	12.2%	18.8%	11.1%	13.1%	14.0%	-	-
8	25.9%	28.3%	25.5%	28.4%	26.8%	-	19.5%	23.6%	20.8%	-	19.4%	17.7%	-	-
9	16.7%	12.8%	18.5%	14.5%	13.1%	8.8%	9.4%	6.9%	12.7%	2.1%	13.5%	8.5%	-	-
10(best)	33.2%	30.8%	38.1%	35.3%	23.5%	19.5%	21.6%	24.8%	18.7%	26.9%	33.1%	36.9%	-	-

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