

**American Housing Survey - Selected Elements Related to Healthy Homes
Birmingham, AL in 2011 and 1998**

1998 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	1998	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998
Total Occupied Units(,000)	425	359	310	253	116	106	12	5	15	32	72	<1	94	101
GENERAL														
Owner occupied(,000)	310	253	310	253	.	.	5	2	9	13	34	.	48	56
Renter occupied(,000)	116	106	.	.	116	106	7	3	6	19	38	.	46	45
Owner occupied	72.8%	-	100%	-	.	.	43.7%	-	57.5%	41.1%	46.9%	<0.1%	50.8%	55.2%
Renter occupied	27.2%	29.6%	.	.	100%	-	56.3%	-	42.5%	58.9%	53.1%	<0.1%	49.2%	44.8%
Units in Structure														
1, detached	72.8%	-	85.8%	-	38.0%	42.9%	57.7%	70.8%	70.0%	53.2%	59.3%	0.1%	66.5%	71.7%
1, attached	3.4%	-	2.2%	-	6.5%	-	2.4%	5.4%	2.5%	-	6.2%	0.1%	2.1%	-
2 to 4	2.8%	-	0.6%	-	8.6%	12.3%	15.4%	2.0%	2.0%	15.2%	6.5%	0.1%	4.3%	7.0%
5 to 9	2.3%	-	0.1%	-	8.2%	10.6%	<0.1%	7.2%	6.9%	6.6%	4.6%	-	3.9%	6.1%
10 to 19	4.6%	-	0.3%	-	15.9%	13.3%	2.1%	7.5%	2.6%	8.2%	4.3%	-	8.4%	6.8%
20 to 49	3.1%	-	<0.1%	0.3%	11.6%	10.0%	14.1%	1.9%	0.5%	7.3%	1.8%	-	7.1%	6.3%
Manufactured /mobile home or trailer	10.2%	8.2%	10.9%	9.8%	8.5%	4.3%	8.3%	5.1%	15.1%	8.7%	14.8%	0.1%	4.6%	-
Year Structure Built														
Post-2000	12.3%	<0.1%	15.1%	<0.1%	4.9%	-	0.7%	-	4.6%	-	4.7%	-	2.1%	-
Post-1980	46.0%	30.0%	50.5%	32.9%	33.7%	23.2%	28.0%	9.6%	22.7%	13.6%	26.7%	0.1%	15.4%	8.5%
Pre-1980	54.0%	70.0%	49.5%	67.1%	66.3%	76.8%	72.0%	90.4%	77.3%	86.4%	73.3%	0.1%	84.6%	91.5%
Pre-1960	26.3%	34.7%	24.0%	33.1%	32.4%	38.6%	39.9%	66.9%	45.5%	50.4%	36.3%	0.1%	54.6%	58.5%
Pre-1940	9.0%	11.0%	7.3%	10.6%	13.7%	12.2%	2.4%	25.3%	20.7%	-	12.5%	0.1%	23.2%	20.7%

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998
	Foundation (for 1-unit not manufactured)													
1-Unit not manufactured(,000)	324	277	273	225	52	52	7	4	11	17	47	<1	64	74
With a basement under all of house	25.9%	30.9%	28.1%	35.9%	14.2%	9.6%	6.6%	9.8%	10.8%	15.9%	18.7%	0.1%	20.7%	-
With a basement under part of house	10.8%	12.1%	11.5%	13.7%	6.7%	5.0%	8.6%	11.8%	8.2%	5.0%	5.4%	0.1%	11.4%	14.8%
With a crawl space	35.1%	40.6%	34.9%	39.2%	36.2%	46.4%	31.0%	61.3%	56.1%	67.1%	39.9%	0.1%	37.4%	48.4%
On a concrete slab	27.3%	15.1%	24.7%	9.9%	41.0%	37.2%	51.8%	12.2%	21.8%	10.0%	35.0%	0.1%	29.3%	14.8%
In some other way	1.0%	-	0.8%	-	1.8%	-	2.0%	-	3.1%	-	1.0%	-	1.2%	-
<hr/>														
EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	3.8%	-	3.0%	-	8.0%	-	29.5%	31.5%	27.5%	18.3%	9.6%	0.1%	13.3%	7.4%
Missing roofing material	5.0%	-	4.5%	-	7.5%	8.2%	9.1%	36.4%	24.0%	15.0%	10.1%	0.1%	6.9%	9.6%
Hole in roof	2.6%	-	1.9%	-	6.4%	-	9.3%	27.5%	27.0%	15.3%	7.9%	0.1%	5.3%	7.8%
Missing bricks, siding, other outside wall material	2.9%	-	2.6%	-	4.4%	7.6%	8.1%	31.7%	16.8%	15.1%	5.5%	0.1%	6.5%	5.8%
Sloping outside walls	1.8%	-	1.1%	-	5.4%	6.2%	8.4%	22.4%	23.9%	12.6%	5.8%	0.1%	5.3%	5.6%
Boarded up windows	1.5%	-	0.9%	-	4.4%	-	2.5%	13.7%	9.9%	7.0%	5.5%	0.1%	3.6%	-
Broken windows	6.1%	6.4%	4.5%	5.3%	13.7%	11.1%	8.9%	27.2%	20.5%	25.3%	10.6%	0.1%	8.2%	8.7%
Bars on windows	5.7%	11.0%	5.9%	10.7%	4.7%	12.5%	2.7%	15.9%	6.9%	14.3%	6.4%	0.1%	22.0%	34.2%
Foundation crumbling or has open crack or hole	7.6%	3.0%	6.3%	2.2%	14.1%	6.7%	30.3%	13.5%	17.9%	14.9%	19.0%	0.1%	12.6%	5.3%
None of the above	74.7%	-	77.6%	-	60.4%	65.0%	54.2%	40.1%	41.0%	44.8%	58.5%	0.1%	46.6%	49.6%
None of the above(excluding bars)	79.1%	83.6%	82.2%	-	63.5%	73.2%	56.0%	42.3%	41.4%	50.0%	61.3%	0.1%	64.6%	74.8%

<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>1998</i>	<i>2011</i>	<i>1998</i>	<i>2011</i>	<i>1998</i>	<i>2011</i>	<i>1998</i>	<i>2011</i>	<i>1998</i>	<i>2011</i>	<i>1998</i>	<i>2011</i>	<i>1998</i>
	Water Leakage During Last 12 Months													
With leakage from outside structure	11.0%	12.9%	10.4%	12.5%	12.6%	14.0%	28.6%	50.7%	40.5%	22.8%	15.1%	0.1%	12.7%	18.1%
Roof	8.2%	-	7.8%	-	9.4%	-	11.8%	43.5%	34.0%	17.5%	10.9%	0.1%	9.6%	13.3%
Basement leak	0.9%	-	1.1%	-	0.5%	-	1.8%	-	2.6%	-	0.6%	-	1.0%	-
Walls, closed windows, or doors leak	1.9%	-	1.5%	-	3.0%	-	16.2%	24.6%	6.8%	8.0%	4.4%	-	2.3%	-
Other or Unknown exterior Leak	0.6%	-	0.6%	-	0.6%	-	3.0%	-	0.9%	-	0.5%	-	0.3%	-
<hr/>														
INTERIOR														
Damage														
Holes in floors	1.6%	-	0.9%	-	3.6%	-	22.9%	28.7%	12.6%	14.1%	5.8%	0.1%	2.7%	-
Open cracks or holes	7.3%	6.9%	4.7%	-	14.2%	11.5%	27.7%	44.7%	30.6%	-	16.4%	0.1%	12.6%	11.8%
Broken plaster or peeling paint	3.0%	-	2.4%	-	4.6%	8.5%	22.6%	41.2%	18.2%	19.4%	7.1%	0.1%	5.9%	9.3%
<hr/>														
Water Leakage During Last 12 Months														
With leakage from inside structure	10.0%	-	8.0%	7.3%	15.4%	-	12.0%	56.0%	19.7%	21.4%	8.4%	0.1%	12.2%	-
Fixtures backed up or overflowed	2.1%	-	1.8%	-	2.8%	5.5%	4.3%	42.6%	9.5%	10.4%	2.5%	-	2.2%	5.6%
Pipes leaked	4.0%	-	2.3%	-	8.4%	7.2%	8.5%	30.5%	7.3%	9.9%	4.7%	-	4.0%	-
Broken water heater	1.1%	-	1.0%	-	1.5%	-	1.8%	7.6%	2.4%	-	0.9%	-	0.7%	-
Other or Unknown	3.1%	-	3.0%	-	3.5%	-	0.6%	22.9%	1.4%	-	0.9%	-	5.3%	3.4%
<hr/>														
Rodents														
Signs of rats in last 3 mon.	1.4%	-	1.4%	-	1.6%	-	4.1%	32.5%	4.2%	6.0%	2.7%	-	2.0%	-

<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>1998</i>	<i>2011</i>	<i>1998</i>	<i>2011</i>	<i>1998</i>	<i>2011</i>	<i>1998</i>	<i>2011</i>	<i>1998</i>	<i>2011</i>	<i>1998</i>	<i>2011</i>	<i>1998</i>
Signs of mice in last 3 mon.	10.7%	8.1%	11.7%	7.3%	8.2%	10.0%	7.2%	39.0%	27.5%	22.0%	15.1%	0.1%	14.3%	11.1%
Signs of rodents, not sure which kind in last 3 mon.	1.7%	-	0.8%	-	4.3%	-	12.9%	6.7%	12.9%	0.7%	7.2%	0.1%	5.0%	0.8%
<hr/>														
Electrical														
No electrical wiring	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
Exposed wiring	1.1%	-	0.9%	-	1.7%	-	2.6%	-	3.8%	-	2.1%	-	0.9%	-
Rooms without electric outlets	1.6%	-	1.7%	-	1.4%	-	3.1%	12.6%	3.4%	-	2.0%	-	1.6%	-
Fuses/breakers blown in last 3 mon.	11.1%	29.1%	8.9%	32.6%	17.1%	20.6%	34.1%	51.5%	15.1%	31.1%	14.0%	0.1%	14.5%	32.9%
<hr/>														
Sanitation														
Lacking complete kitchen facilities	0.8%	-	0.3%	-	2.4%	9.6%	13.7%	7.2%	13.2%	37.4%	2.9%	-	2.7%	5.7%
Lacking some or all plumbing facilities	2.2%	-	1.3%	-	4.6%	-	79.5%	40.5%	<0.1%	0.3%	5.4%	0.1%	6.0%	0.9%
Water not safe to drink	4.1%	6.6%	3.8%	5.6%	4.8%	9.1%	3.2%	12.9%	3.3%	9.3%	2.4%	-	8.8%	9.7%
Water stoppage in last 3 mon.	3.6%	-	3.4%	-	4.4%	5.0%	4.1%	7.3%	8.1%	5.8%	3.2%	-	4.6%	-
No flush toilets working some time in last 3 mon.	1.3%	-	0.9%	-	2.3%	6.7%	8.1%	30.7%	9.9%	-	3.6%	-	1.4%	6.5%
With sewage disposal breakdowns in last 3 mon.	1.7%	-	1.0%	-	3.7%	-	13.9%	16.0%	3.8%	6.8%	4.1%	-	4.1%	-
Septic tank, cesspool, chemical toilet	33.7%	36.0%	41.3%	45.4%	13.5%	-	20.4%	30.5%	44.6%	29.9%	31.2%	0.1%	10.2%	4.3%
With septic tank or cesspool breakdowns in last 3 mon.	0.3%	-	0.4%	-	0.1%	-	<0.1%	7.1%	1.0%	-	0.6%	-	<0.1%	0.2%
<hr/>														
HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	64.9%	-	66.3%	72.4%	61.3%	56.2%	33.1%	58.1%	23.4%	38.3%	60.2%	0.1%	71.9%	-

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998
	Steam or hot water system	0.4%	-	0.3%	-	0.7%	-	1.3%	-	0.5%	-	0.6%	-	0.9%
Electric heat pump	25.2%	18.7%	25.4%	17.4%	24.6%	21.6%	35.5%	3.7%	5.9%	6.7%	18.9%	0.1%	15.3%	10.8%
Built-in electric units	0.5%	-	0.5%	-	0.6%	-	0.7%	5.6%	1.5%	-	0.8%	-	1.2%	-
Floor, wall, or other built-in hot air without ducts	3.1%	6.3%	2.8%	-	3.7%	11.5%	8.0%	11.0%	2.4%	12.8%	3.5%	-	2.7%	10.9%
Room heaters with flue	1.0%	-	1.0%	-	1.1%	-	2.1%	-	1.6%	-	1.8%	-	0.8%	-
Room heaters without flue	2.1%	-	1.7%	-	3.1%	-	2.4%	10.8%	57.1%	38.4%	6.6%	0.1%	2.0%	-
Portable electric heaters	1.9%	-	1.3%	-	3.4%	-	14.5%	3.7%	6.5%	0.1%	5.6%	0.1%	4.2%	-
Stoves	0.3%	-	0.2%	-	0.3%	-	1.1%	-	<0.1%	0.3%	0.7%	-	<0.1%	-
Fireplace with inserts	0.2%	-	0.2%	-	<0.1%	-	<0.1%	-	<0.1%	-	0.2%	-	0.1%	-
Fireplace without inserts	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	0.3%	<0.1%	-	<0.1%	-
Other	0.3%	-	0.1%	-	0.8%	-	1.4%	-	0.3%	-	1.0%	-	0.7%	-
No heating equipment	0.1%	-	<0.1%	-	0.2%	-	<0.1%	-	<0.1%	-	<0.1%	-	0.1%	-
Cooking stove	0.1%	-	0.1%	-	<0.1%	-	<0.1%	1.9%	0.8%	-	0.2%	-	<0.1%	-
Water Heating Fuel														
Electricity	55.1%	41.1%	50.4%	36.3%	67.8%	52.7%	78.5%	31.4%	60.6%	44.1%	60.2%	0.1%	48.2%	28.3%
Gas, LP/bottled gas	44.8%	58.7%	49.4%	63.5%	32.1%	47.1%	21.5%	68.6%	38.2%	55.1%	39.2%	0.1%	51.8%	71.4%
Kerosene or other liquid fuel	<0.1%	-	0.1%	-	<0.1%	-	<0.1%	-	1.2%	-	0.3%	-	<0.1%	-
Other	0.1%	-	0.1%	-	0.1%	-	<0.1%	-	<0.1%	0.5%	0.3%	-	<0.1%	0.3%
Clothes Dryer(,000)														
Clothes Dryer(,000)	386	294	304	233	82	61	9	3	11	20	57	<1	73	65
Have Clothes Dryer	90.7%	82.0%	98.1%	92.2%	70.8%	57.5%	78.3%	56.7%	70.6%	63.5%	79.4%	0.1%	78.0%	64.6%
Electricity	95.9%	-	95.1%	-	99.0%	-	97.5%	-	95.2%	-	98.0%	0.1%	93.1%	-
Gas, LP gas (liquid propane)	4.0%	6.4%	4.9%	6.9%	1.0%	-	2.5%	6.5%	4.8%	7.7%	1.8%	-	6.8%	9.1%

Heating Problems

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998
	Uncomfortably cold for 24 hours or more last winter	9.4%	7.1%	8.9%	5.5%	11.2%	-	30.9%	59.7%	25.8%	16.3%	15.2%	0.1%	16.4%
Heating equipment breakdowns	2.4%	-	1.9%	-	3.9%	-	19.2%	36.6%	5.0%	2.0%	4.8%	-	2.9%	-
Other causes	6.1%	4.8%	6.7%	4.0%	4.5%	6.8%	6.6%	27.4%	18.8%	12.3%	8.4%	0.1%	11.1%	6.0%
Utility interruption	2.2%	-	2.6%	-	1.3%	-	<0.1%	6.9%	2.8%	-	2.8%	-	3.1%	-
Inadequate heating capacity	1.4%	-	1.3%	-	1.5%	-	2.4%	21.8%	9.3%	7.2%	2.7%	-	2.4%	-
Inadequate insulation	0.6%	-	0.5%	-	1.1%	-	<0.1%	18.6%	3.7%	6.9%	0.9%	-	0.4%	-
Cost of heating	1.5%	-	1.8%	-	0.6%	-	3.1%	11.1%	4.7%	-	1.7%	-	4.3%	-
Other	0.7%	-	0.7%	-	0.5%	-	1.0%	-	0.9%	-	0.6%	-	0.9%	-
SELECTED PHYSICAL PROBLEMS														
Severe Physical Problems(,000)	12	5	5	2	7	3	12	5	.	.	5	.	6	2
Severe physical problems	2.8%	-	1.7%	-	5.8%	2.5%	100%	-	.	.	6.9%	<0.1%	6.5%	2.4%
Plumbing	2.2%	-	1.3%	-	4.6%	-	79.5%	40.5%	.	.	5.4%	<0.1%	6.0%	0.9%
Heating	0.5%	-	0.3%	-	1.0%	-	17.9%	36.6%	.	.	1.1%	<0.1%	0.3%	-
Electric	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	3.5%	.	.	<0.1%	<0.1%	<0.1%	-
Hallways	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	.	.	<0.1%	<0.1%	<0.1%	-
Upkeep	0.1%	-	<0.1%	-	0.2%	-	2.6%	26.5%	.	.	0.4%	<0.1%	0.2%	-
Moderate Physical Problems(,000)	15	32	9	13	6	19	.	.	15	32	8	.	4	12
Moderate physical problems	3.5%	8.8%	2.8%	5.1%	5.5%	17.6%	.	.	100%	-	10.5%	<0.1%	4.3%	12.1%
Plumbing	0.3%	-	0.3%	-	0.2%	-	.	.	7.3%	4.5%	0.8%	<0.1%	0.3%	-
Heating	2.0%	-	1.6%	-	3.1%	-	.	.	57.1%	38.4%	6.4%	<0.1%	2.0%	-
Upkeep	0.5%	-	0.3%	-	1.0%	9.3%	.	.	13.2%	37.4%	0.8%	<0.1%	1.0%	5.4%
Hallways	<0.1%	-	<0.1%	-	<0.1%	0.2%	.	.	<0.1%	0.6%	<0.1%	<0.1%	<0.1%	-
Kitchen	1.0%	-	0.8%	-	1.4%	-	.	.	27.3%	25.7%	3.0%	<0.1%	1.2%	-

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998	2011	1998
OVERALL OPINION OF STRUCTURE														
1(worst)	1.2%	-	0.2%	-	4.0%	-	3.5%	12.7%	12.1%	4.0%	3.6%	-	4.2%	-
2	0.3%	-	0.1%	-	0.8%	-	1.2%	-	1.4%	-	0.7%	-	0.5%	-
3	0.5%	-	0.3%	-	1.1%	-	0.7%	5.2%	3.0%	-	1.4%	-	1.1%	-
4	0.8%	-	0.4%	-	1.9%	-	2.0%	-	3.1%	-	2.3%	-	1.2%	-
5	6.1%	-	4.3%	-	10.7%	-	5.5%	11.0%	12.5%	13.6%	9.2%	0.1%	9.2%	8.4%
6	4.3%	-	3.0%	-	7.5%	8.6%	17.8%	5.6%	12.4%	7.0%	7.3%	0.1%	6.8%	-
7	14.2%	12.0%	11.2%	-	22.2%	15.2%	19.6%	17.8%	13.5%	11.1%	12.9%	0.1%	14.2%	-
8	27.2%	-	28.3%	26.7%	24.3%	27.5%	23.1%	13.1%	16.4%	20.4%	20.7%	0.1%	35.3%	25.6%
9	14.6%	-	16.8%	-	8.8%	10.0%	16.8%	7.2%	7.5%	10.0%	9.8%	0.1%	10.1%	12.2%
10(best)	30.8%	-	35.4%	37.5%	18.7%	-	9.7%	20.1%	18.1%	23.8%	32.0%	0.1%	17.5%	26.8%

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