

**American Housing Survey - Selected Elements Related to Health Homes
1998 Birmingham, AL and 1999 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)	359	102,803	253	68,796	106	34,007	5	2,053	32	4,826		13,955	101	31,131
GENERAL														
Owner occupied(,000)	253	68,796	253	68,796	.	.	2	869	13	2,056		6,083	56	15,512
Renter occupied(,000)	106	34,007	.	.	106	34,007	3	1,184	19	2,769		7,872	45	15,619
Owner occupied	70.4%	-	100%	-	<0.1%	<0.1%	44.9%	-	41.1%	-		43.6%	55.2%	-
Renter occupied	29.6%	-	<0.1%	<0.1%	100%	-	55.1%	-	58.9%	-		56.4%	44.8%	-
<hr/>														
Units in Structure														
1, detached	74.8%	-	88.2%	-	42.9%	23.7%	70.8%	45.0%	53.2%	-		44.7%	71.7%	48.2%
1, attached	2.5%	6.8%	0.7%	5.1%	6.6%	10.2%	5.4%	-	0.8%	4.4%		7.7%	1.9%	9.5%
2 to 4	4.1%	8.3%	0.6%	2.1%	12.3%	20.9%	2.0%	13.1%	15.2%	-		13.1%	7.0%	13.7%
5 to 9	3.2%	4.7%	0.1%	0.7%	10.6%	12.9%	7.2%	9.3%	6.6%	-		7.4%	6.1%	7.6%
10 to 19	4.2%	-	0.3%	-	13.3%	-	7.5%	-	8.2%	-		6.2%	6.8%	-
20 to 49	3.2%	-	0.3%	-	10.0%	-	1.9%	8.2%	7.3%	-		5.2%	6.3%	-
50 or more	<0.1%	3.2%	<0.1%	-	<0.1%	8.2%	<0.1%	7.8%	<0.1%	4.6%		6.0%	<0.1%	7.0%
Manufactured /mobile home or trailer	8.2%	-	9.8%	-	4.3%	3.3%	5.1%	-	8.7%	-		9.7%	0.1%	1.1%
<hr/>														
Year Structure Built														
Post-2000	<0.1%	-	<0.1%	-	<0.1%	0.0%	<0.1%	0.0%	<0.1%	0.0%		0.0%	<0.1%	0.0%
Post-1980	30.0%	-	32.9%	-	23.2%	-	9.6%	13.0%	13.6%	-		21.1%	8.5%	17.9%
Pre-1980	70.0%	-	67.1%	-	76.8%	-	90.4%	-	86.4%	-		78.9%	91.5%	-
Pre-1960	34.7%	-	33.1%	-	38.6%	-	66.9%	-	50.4%	-		43.9%	58.5%	-
Pre-1940	11.0%	19.0%	10.6%	16.8%	12.2%	23.5%	25.3%	32.9%	20.3%	31.9%		22.8%	20.7%	27.8%

* = 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.

**American Housing Survey - Selected Elements Related to Health Homes
1998 Birmingham, AL and 1999 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
Foundation (for 1-unit not manufactured)														
1-Unit not manufactured(,000)	277	71,499	225	59,969	52	11,530	4	1,036	17	2,545		7,306	74	17,963
With a basement under all of house	30.9%	-	35.9%	-	9.6%	21.4%	9.8%	30.5%	15.9%	-		26.2%	21.3%	33.3%
With a basement under part of house	12.1%	-	13.7%	-	5.0%	7.9%	11.8%	-	5.0%	9.3%		8.4%	14.8%	8.2%
With a crawl space	40.6%	25.8%	39.2%	24.8%	46.4%	30.9%	61.3%	33.1%	67.1%	53.0%		33.3%	48.4%	24.2%
On a concrete slab	15.1%	28.7%	9.9%	26.9%	37.2%	-	12.2%	24.1%	10.0%	21.2%		30.7%	14.8%	33.4%
In some other way	1.3%	0.9%	1.2%	0.8%	1.8%	-	4.9%	1.5%	2.0%	-		1.4%	0.6%	0.8%
<hr/>														
EXTERIOR														
External Building Conditions														
Sagging roof	3.8%	2.5%	3.2%	2.1%	5.4%	3.2%	27.4%	6.9%	14.0%	9.1%		3.7%	6.4%	2.6%
Missing roofing material	5.2%	3.8%	4.2%	3.3%	7.7%	4.9%	33.3%	9.0%	14.2%	10.7%		5.5%	9.4%	4.4%
Hole in roof	3.1%	1.9%	2.3%	1.5%	5.2%	2.8%	26.0%	6.4%	12.2%	9.6%		3.5%	7.0%	2.3%
Missing bricks, siding, other outside wall material	3.7%	2.5%	2.8%	1.9%	5.9%	3.8%	29.5%	9.0%	12.0%	-		4.1%	5.8%	3.0%
Sloping outside walls	2.6%	1.6%	1.8%	1.2%	4.6%	2.3%	20.0%	7.7%	10.5%	6.4%		2.9%	5.2%	1.8%
Boarded up windows	1.6%	1.0%	0.9%	-	3.3%	1.8%	13.0%	4.2%	6.8%	4.7%		2.2%	2.2%	1.6%
Broken windows	6.0%	4.2%	5.3%	3.5%	7.8%	5.6%	27.7%	12.0%	19.2%	14.6%		7.2%	7.7%	5.1%
Bars on windows	11.6%	4.8%	10.6%	3.6%	13.8%	7.3%	18.5%	8.6%	13.7%	8.6%		7.5%	31.7%	11.4%
Foundation crumbling or has open crack or hole	3.0%	-	2.2%	-	5.1%	3.8%	14.6%	9.1%	12.2%	-		3.9%	5.0%	3.5%
None of the above	74.9%	-	77.9%	-	67.7%	-	38.4%	62.0%	51.7%	-		70.6%	51.8%	70.5%

* = 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.

**American Housing Survey - Selected Elements Related to Health Homes
1998 Birmingham, AL and 1999 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
Water Leakage During Last 12 Months														
With leakage from outside structure	12.9%	-	12.5%	-	14.0%	10.4%	50.7%	19.8%	22.8%	30.5%		11.0%	18.1%	12.5%
Roof	8.5%	6.4%	8.1%	-	9.5%	5.5%	43.5%	11.1%	17.5%	21.0%		6.9%	13.3%	6.8%
Basement	2.7%	4.2%	3.3%	5.3%	1.1%	1.9%	<0.1%	4.4%	2.5%	6.5%		2.2%	3.0%	3.7%
Walls, closed windows, or doors	3.2%	-	2.5%	-	4.9%	3.3%	24.6%	8.1%	8.0%	10.0%		3.0%	3.8%	3.0%
Other or Unknown	1.2%	-	1.3%	-	1.0%	1.3%	3.7%	-	1.8%	4.6%		1.1%	1.6%	-
<hr/>														
INTERIOR														
Damage														
Holes in floors	2.2%	1.2%	1.2%	0.7%	4.4%	2.0%	28.7%	7.6%	14.1%	9.7%		2.9%	4.0%	1.7%
Open cracks or holes	6.9%	-	4.9%	-	11.5%	8.5%	44.7%	18.5%	29.8%	-		9.1%	11.8%	7.7%
Broken plaster or peeling paint	4.5%	2.8%	2.9%	1.8%	8.5%	4.6%	41.2%	11.5%	19.4%	-		4.6%	9.3%	4.1%
<hr/>														
Water Leakage During Last 12 Months														
With leakage from inside structure	9.6%	-	7.3%	-	14.9%	-	56.0%	19.9%	21.4%	27.2%		11.2%	12.6%	-
Fixtures backed up or overflowed	3.7%	-	3.0%	-	5.5%	4.4%	42.6%	8.5%	10.4%	-		4.3%	5.6%	4.0%
Pipes leaked	4.1%	-	2.9%	-	7.2%	-	30.5%	13.0%	9.9%	16.4%		5.9%	4.4%	5.8%
Broken water heater	1.2%	0.9%	1.0%	-	1.9%	0.9%	7.6%	1.8%	2.7%	-		0.9%	1.8%	1.0%
Other or Unknown	2.0%	-	1.2%	1.8%	3.8%	2.6%	22.9%	4.6%	4.7%	6.4%		2.0%	3.4%	2.7%

* = 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.

**American Housing Survey - Selected Elements Related to Health Homes
1998 Birmingham, AL and 1999 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
Rodents														
Signs of rats in last 3 mon.	1.9%	0.9%	1.3%	0.6%	3.3%	1.5%	32.5%	5.5%	6.0%	-	2.0%	3.6%	1.6%	
Signs of mice in last 3 mon.	8.1%	-	7.3%	-	10.0%	-	39.0%	15.0%	22.0%	16.7%	10.3%	11.1%	7.8%	
Signs of rodents, not sure which kind in last 3 mon.	0.4%	-	0.4%	-	0.7%	-	6.7%	1.3%	0.7%	1.6%	0.7%	0.8%	-	
<hr/>														
Electrical														
No electrical wiring	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	1.7%	<0.1%	0.1%	0.2%	<0.1%	-	
Exposed wiring	0.3%	0.6%	0.4%	-	0.2%	0.8%	3.5%	2.4%	0.8%	1.6%	0.9%	0.4%	-	
Rooms without electric outlets	1.8%	-	1.5%	-	2.6%	-	12.6%	5.7%	3.3%	4.3%	2.6%	1.9%	-	
Fuses/breakers blown in last 3 mon.	29.1%	11.3%	32.6%	11.3%	20.6%	11.3%	51.5%	18.6%	31.1%	15.8%	10.1%	32.9%	11.7%	
<hr/>														
Sanitation														
Lacking complete kitchen facilities	3.4%	1.7%	0.8%	-	9.6%	4.0%	7.2%	11.3%	37.4%	-	3.6%	5.7%	2.7%	
Lacking some or all plumbing facilities	0.8%	1.4%	0.6%	1.0%	1.2%	2.3%	40.5%	69.9%	0.3%	0.0%	2.8%	0.9%	1.9%	
Water not safe to drink	6.6%	9.9%	5.6%	7.7%	9.1%	14.4%	12.9%	18.7%	9.3%	14.5%	12.2%	9.7%	13.2%	
Water stoppage in last 3 mon.	4.4%	-	4.1%	-	5.0%	-	7.3%	-	5.8%	7.1%	5.2%	3.3%	4.4%	
No flush toilets working some time in last 3 mon.	3.8%	2.8%	2.5%	1.7%	6.7%	5.0%	30.7%	8.9%	10.4%	-	4.7%	6.5%	3.9%	
With sewage disposal breakdowns in last 3 mon.	2.5%	1.8%	2.2%	1.6%	3.2%	2.3%	16.0%	4.1%	6.8%	4.9%	2.2%	4.1%	2.3%	
Septic tank, cesspool, chemical toilet	36.0%	22.4%	45.4%	29.3%	13.5%	8.3%	30.5%	14.8%	29.9%	21.2%	18.4%	4.3%	1.3%	
With septic tank or cesspool breakdowns in last 3 mon.	0.8%	0.4%	1.0%	0.5%	0.5%	0.2%	7.1%	0.4%	1.3%	0.8%	0.3%	0.2%	-	

* = 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.

**American Housing Survey - Selected Elements Related to Health Homes
1998 Birmingham, AL and 1999 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
HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	67.6%	-	72.4%	-	56.2%	-	58.1%	45.2%	38.3%	-	52.8%	69.7%	-	
Steam or hot water system	0.6%	12.8%	0.5%	11.0%	0.8%	16.4%	<0.1%	23.3%	0.3%	12.2%	12.3%	1.0%	17.8%	
Electric heat pump	18.7%	10.7%	17.4%	11.4%	21.6%	9.4%	3.7%	-	6.7%	3.8%	8.5%	10.8%	-	
Built-in electric units	0.7%	4.8%	0.7%	3.3%	0.8%	7.8%	5.6%	4.1%	0.5%	3.9%	6.0%	1.4%	3.8%	
Floor, wall, or other built-in hot air without ducts	6.3%	-	4.2%	-	11.5%	8.5%	11.0%	8.3%	12.8%	5.3%	8.4%	10.9%	6.7%	
Room heaters with flue	1.8%	-	1.2%	-	3.1%	2.0%	3.4%	-	1.9%	-	3.3%	2.6%	1.2%	
Room heaters without flue	3.5%	1.7%	2.9%	1.5%	5.0%	2.1%	10.8%	3.0%	38.4%	-	4.0%	2.9%	1.8%	
Portable electric heaters	0.2%	0.7%	<0.1%	0.5%	0.5%	1.0%	3.7%	1.3%	<0.1%	1.0%	1.4%	0.4%	0.8%	
Stoves	0.2%	1.1%	0.3%	1.3%	0.1%	0.6%	1.8%	4.0%	0.3%	1.2%	1.4%	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%	<0.1%	
Fireplace without inserts	0.1%	-	0.1%	-	0.1%	-	<0.1%	0.3%	0.3%	-	0.1%	<0.1%	<0.1%	
Other	0.2%	-	0.1%	-	0.3%	-	<0.1%	0.8%	0.6%	-	0.4%	0.2%	-	
No heating equipment	<0.1%	0.5%	<0.1%	0.3%	0.1%	1.0%	<0.1%	1.7%	<0.1%	1.4%	0.9%	<0.1%	0.9%	
Cooking stove	<0.1%	-	<0.1%	-	<0.1%	0.2%	1.9%	0.7%	<0.1%	0.1%	0.2%	0.1%	-	
Water Heating Fuel														
Electricity	41.1%	-	36.3%	-	52.7%	41.6%	31.4%	-	44.1%	-	41.9%	28.3%	-	
Gas, LP/bottled gas	58.7%	-	63.5%	-	47.1%	-	68.6%	-	55.1%	-	52.9%	71.4%	-	
Fuel oil	<0.1%	5.4%	<0.1%	4.9%	<0.1%	6.4%	<0.1%	11.0%	<0.1%	4.6%	4.7%	<0.1%	6.4%	
Kerosene or other liquid fuel	<0.1%	-	<0.1%	<0.1%	0.1%	-	<0.1%	<0.1%	0.3%	-	<0.1%	<0.1%	<0.1%	
Other	0.2%	-	0.2%	-	0.2%	-	<0.1%	0.2%	0.5%	-	0.4%	0.3%	-	

* = 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.

**American Housing Survey - Selected Elements Related to Health Homes
1998 Birmingham, AL and 1999 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
Clothes Dryer Fuel(,000)	294	76,454	233	62,738	61	13,716	3	903	20	2,436		7,217	65	18,170
Electricity	93.6%	-	93.1%	-	95.6%	-	93.5%	71.6%	92.3%	-		80.2%	90.9%	70.9%
Gas, LP gas (liquid propane)	6.4%	23.8%	6.9%	25.4%	4.4%	16.9%	6.5%	28.4%	7.7%	17.5%		19.8%	9.1%	29.0%
Other	<0.1%	-	<0.1%	-	<0.1%	0.1%	<0.1%	<0.1%	<0.1%	0.4%		0.1%	<0.1%	0.1%
<hr/>														
Heating Problems														
Uncomfortably cold for 24 hours or more last winter	7.1%	-	5.5%	-	11.7%	-	59.7%	35.9%	16.3%	-		11.2%	10.0%	-
Heating equipment breakdowns	1.7%	-	1.3%	-	2.7%	-	36.6%	25.3%	2.0%	3.2%		3.3%	2.9%	-
Other causes	4.8%	-	4.0%	-	6.8%	5.2%	27.4%	8.8%	12.3%	-		6.2%	6.0%	4.4%
Utility interruption	2.1%	1.5%	2.3%	1.8%	1.8%	0.8%	6.9%	1.5%	2.7%	1.1%		1.1%	1.6%	0.7%
Inadequate heating capacity	2.0%	1.1%	1.2%	0.6%	3.7%	2.0%	21.8%	4.3%	7.2%	4.8%		2.4%	3.2%	1.7%
Inadequate insulation	1.4%	1.0%	0.9%	0.6%	2.6%	1.6%	18.6%	2.7%	6.9%	3.8%		1.7%	2.5%	1.4%
Cost of heating	0.3%	-	0.2%	-	0.5%	-	11.1%	0.9%	0.3%	1.2%		0.8%	0.5%	-
Other	0.7%	1.0%	0.4%	0.8%	1.3%	-	4.9%	3.4%	2.7%	-		1.9%	1.3%	-
<hr/>														
SELECTED PHYSICAL PROBLEMS														
Severe Physical Problems(,000)	5	2,053	2	869	3	1,184	5	2,053	.	.		598	2	963
Severe physical problems	1.3%	2.0%	0.8%	1.3%	2.5%	3.5%	100%	-	.	.		4.3%	2.4%	3.1%
Plumbing	0.5%	1.4%	0.3%	1.0%	1.1%	2.3%	40.5%	69.9%	.	.		2.8%	0.9%	1.9%
Heating	0.5%	-	0.4%	-	0.7%	-	36.6%	23.9%	.	.		1.1%	0.8%	-
Electric	<0.1%	-	<0.1%	-	0.1%	-	3.5%	5.1%	.	.		0.3%	0.1%	-
Hallways	<0.1%	-	<0.1%	0.0%	<0.1%	-	<0.1%	0.3%	.	.		0.0%	<0.1%	-
Upkeep	0.3%	0.1%	0.2%	-	0.8%	0.2%	26.5%	4.4%	.	.		0.4%	0.8%	0.2%

* = 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.

**American Housing Survey - Selected Elements Related to Health Homes
1998 Birmingham, AL and 1999 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
Moderate Physical Problems(,000)	32	4,826	13	2,056	19	2,769	.	.	32	4,826		1,306	12	1,967
Moderate physical problems	8.8%	4.7%	5.1%	3.0%	17.6%	8.1%	.	.	100%	-		9.4%	12.1%	6.3%
Plumbing	0.4%	-	0.3%	-	0.6%	-	.	.	4.5%	-		0.5%	0.6%	0.3%
Heating	3.4%	1.7%	2.8%	1.5%	4.7%	2.0%	.	.	38.4%	-		3.8%	2.8%	1.7%
Upkeep	3.3%	1.5%	0.8%	0.5%	9.3%	3.5%	.	.	37.4%	-		2.8%	5.4%	2.4%
Hallways	0.1%	-	<0.1%	-	0.2%	-	.	.	0.6%	2.6%		0.2%	0.1%	-
Kitchen	2.3%	1.4%	1.4%	0.9%	4.3%	2.4%	.	.	25.7%	-		2.8%	4.1%	2.2%
<hr/>														
OVERALL OPINION OF STRUCTURE														
1(worst)	1.0%	0.6%	0.3%	-	2.5%	1.2%	12.7%	4.4%	4.0%	2.8%		1.7%	2.0%	0.9%
2	0.4%	-	0.1%	-	1.0%	-	3.5%	1.2%	1.4%	-		0.8%	0.6%	-
3	1.0%	-	0.4%	-	2.3%	1.6%	5.2%	3.4%	4.6%	3.3%		1.7%	1.4%	0.9%
4	1.2%	-	0.6%	-	2.6%	-	3.7%	4.5%	4.2%	-		2.4%	1.9%	-
5	5.8%	-	3.7%	-	10.9%	-	11.0%	13.9%	13.6%	-		10.6%	8.4%	-
6	5.0%	-	3.5%	4.2%	8.6%	-	5.6%	-	7.0%	8.7%		6.6%	6.5%	-
7	12.0%	-	10.7%	-	15.2%	-	17.8%	-	11.1%	15.1%		13.1%	14.6%	-
8	26.9%	-	26.7%	-	27.5%	-	13.1%	23.5%	20.4%	-		22.6%	25.6%	-
9	14.6%	-	16.5%	-	10.0%	-	7.2%	-	10.0%	-		11.6%	12.2%	-
10(best)	32.2%	-	37.5%	-	19.4%	-	20.1%	-	23.8%	-		29.2%	26.8%	-

* = 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.