

**American Housing Survey - Selected Elements Related to Healthy Homes
Memphis, TN-AR-MS in 2011 and 2004**

2004 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	2004	2011	2004	2011	2004	2011	2004	2011	2004	2011	2004	2011	2004
Total Occupied Units,(000)	472	431	294	288	178	143	13	7	26	24	100	66	242	209
GENERAL														
Owner occupied,(000)	294	288	294	288	.	.	7	3	9	9	44	24	128	119
Renter occupied,(000)	178	143	.	.	178	143	6	4	17	15	56	41	114	90
Owner occupied	62.2%	66.7%	100%	-	.	.	54.4%	44.0%	34.6%	38.0%	44.1%	37.2%	52.9%	56.8%
Renter occupied	37.8%	33.3%	.	.	100%	-	45.6%	56.0%	65.4%	62.0%	55.9%	62.8%	47.1%	43.2%
Units in Structure														
1, detached	71.8%	-	91.9%	-	38.7%	31.6%	47.7%	63.0%	49.3%	-	59.6%	52.7%	69.1%	65.4%
1, attached	3.9%	-	1.3%	-	8.1%	5.6%	2.8%	-	1.4%	-	2.8%	-	4.5%	-
2 to 4	4.0%	6.0%	0.1%	-	10.4%	16.3%	3.4%	15.2%	13.7%	17.3%	7.6%	12.8%	5.9%	9.0%
5 to 9	8.5%	6.7%	0.7%	-	21.3%	19.7%	15.2%	12.7%	13.6%	18.2%	14.1%	12.9%	8.9%	8.4%
10 to 19	3.9%	-	0.6%	-	9.3%	14.0%	15.0%	4.0%	5.0%	9.7%	3.5%	6.3%	3.2%	5.8%
20 to 49	1.0%	-	<0.1%	0.2%	2.6%	-	2.1%	-	4.4%	-	1.3%	-	1.5%	-
50 or more	2.9%	-	0.8%	-	6.3%	5.9%	11.2%	3.6%	8.5%	1.1%	5.7%	5.2%	5.2%	3.8%
Manufactured /mobile home or trailer	4.1%	-	4.6%	-	3.2%	-	2.7%	-	4.2%	-	5.4%	3.2%	1.5%	-
Year Structure Built														
Post-2000	14.0%	8.8%	15.7%	9.5%	11.4%	7.5%	1.5%	-	8.4%	3.7%	10.0%	4.8%	6.6%	2.6%
Post-1980	42.0%	-	45.5%	-	36.4%	33.5%	7.9%	16.4%	31.6%	18.4%	23.9%	26.2%	15.8%	14.7%
Pre-1980	58.0%	-	54.5%	-	63.6%	-	92.1%	83.6%	68.4%	81.6%	76.1%	-	84.2%	-
Pre-1960	22.0%	-	22.3%	-	21.4%	-	22.3%	50.3%	26.0%	37.0%	30.5%	-	38.5%	-
Pre-1940	5.1%	5.6%	5.7%	-	4.3%	5.2%	0.7%	12.6%	3.2%	11.2%	7.6%	-	8.5%	9.7%

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	2004	2011	2004	2011	2004	2011	2004	2011	2004	2011	2004	2011	2004
	Foundation (for 1-unit not manufactured)													
1-Unit not manufactured(,000)	358	328	274	275	84	53	7	5	13	12	63	38	178	145
With a basement under all of house	0.4%	-	0.5%	-	<0.1%	0.7%	<0.1%	-	0.7%	-	0.1%	-	0.4%	-
With a basement under part of house	3.0%	-	3.1%	-	2.8%	-	2.3%	5.9%	1.5%	5.7%	5.1%	3.1%	5.7%	5.4%
With a crawl space	19.2%	21.3%	17.3%	19.8%	25.6%	28.7%	15.2%	45.7%	63.0%	51.1%	28.7%	31.7%	29.7%	32.0%
On a concrete slab	76.1%	-	77.7%	-	70.7%	65.4%	76.9%	42.5%	32.6%	40.1%	64.8%	-	63.6%	59.0%
In some other way	1.3%	-	1.4%	-	0.9%	-	5.6%	-	2.2%	-	1.2%	-	0.6%	-
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EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	2.8%	-	2.3%	-	4.1%	5.2%	11.4%	32.5%	19.3%	17.4%	6.1%	7.4%	4.0%	-
Missing roofing material	7.4%	5.4%	7.7%	4.8%	6.4%	8.2%	17.7%	33.5%	36.3%	14.4%	9.1%	8.2%	8.0%	6.2%
Hole in roof	3.8%	-	3.6%	-	4.2%	6.9%	12.6%	27.7%	23.3%	-	3.8%	8.7%	4.2%	5.8%
Missing bricks, siding, other outside wall material	3.2%	-	2.6%	-	5.0%	6.9%	12.6%	34.0%	7.9%	15.1%	4.9%	8.0%	3.4%	5.6%
Sloping outside walls	1.5%	-	1.5%	-	1.5%	6.3%	10.7%	22.5%	6.7%	15.4%	1.7%	5.3%	1.3%	-
Boarded up windows	1.7%	-	0.8%	-	4.7%	-	5.1%	8.6%	6.2%	6.6%	1.8%	-	3.1%	-
Broken windows	6.5%	7.0%	5.4%	5.9%	10.1%	12.5%	15.5%	31.5%	16.7%	30.0%	11.3%	9.7%	7.5%	10.2%
Bars on windows	13.7%	-	12.3%	13.3%	18.2%	-	10.0%	38.0%	16.2%	26.1%	24.5%	29.6%	25.9%	28.4%
Foundation crumbling or has open crack or hole	8.1%	3.6%	8.5%	2.9%	7.2%	-	48.2%	26.1%	18.1%	19.8%	10.0%	6.3%	10.6%	5.5%
None of the above	67.8%	-	69.3%	72.8%	63.0%	-	33.6%	23.1%	32.9%	38.9%	52.5%	-	55.7%	-
None of the above(excluding bars)	76.2%	-	77.2%	82.0%	72.7%	-	37.5%	34.7%	38.4%	47.6%	67.4%	-	71.4%	-

<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>2004</i>	<i>2011</i>	<i>2004</i>	<i>2011</i>	<i>2004</i>	<i>2011</i>	<i>2004</i>	<i>2011</i>	<i>2004</i>	<i>2011</i>	<i>2004</i>	<i>2011</i>	<i>2004</i>
	Water Leakage During Last 12 Months													
With leakage from outside structure	17.2%	13.5%	20.4%	14.2%	12.0%	-	37.7%	-	45.7%	40.6%	15.1%	12.4%	20.0%	16.0%
Roof	14.0%	10.2%	16.9%	11.4%	9.3%	7.6%	22.5%	26.6%	37.3%	33.3%	11.9%	8.3%	16.4%	12.3%
Basement leak	0.1%	-	0.1%	-	0.1%	-	0.6%	-	0.3%	-	0.1%	-	0.2%	-
Walls, closed windows, or doors leak	2.2%	-	1.5%	-	3.3%	-	2.2%	20.1%	6.7%	12.9%	2.4%	-	1.5%	-
Other or Unknown exterior Leak	1.6%	-	2.2%	-	0.6%	-	14.0%	19.7%	1.7%	8.3%	0.8%	-	2.0%	-
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INTERIOR														
Damage														
Holes in floors	1.8%	-	0.7%	-	3.4%	-	5.4%	17.1%	11.9%	14.3%	1.9%	-	2.4%	-
Open cracks or holes	8.8%	7.7%	6.9%	5.8%	12.0%	-	13.1%	37.2%	57.4%	40.9%	15.2%	13.4%	11.9%	11.2%
Broken plaster or peeling paint	3.8%	-	3.5%	-	4.2%	5.0%	9.2%	31.7%	35.9%	24.1%	5.5%	-	6.3%	5.2%
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Water Leakage During Last 12 Months														
With leakage from inside structure	14.0%	11.1%	11.0%	9.3%	19.0%	14.9%	27.5%	44.5%	35.7%	-	18.5%	13.2%	16.5%	14.0%
Fixtures backed up or overflowed	1.9%	-	2.0%	-	1.9%	-	16.8%	29.9%	4.7%	17.4%	3.0%	-	2.8%	-
Pipes leaked	6.3%	4.2%	4.2%	-	9.8%	6.5%	7.7%	23.0%	15.0%	18.3%	7.9%	6.0%	6.7%	5.8%
Broken water heater	1.8%	-	1.6%	-	2.2%	-	4.5%	11.8%	3.1%	7.6%	2.6%	-	1.9%	-
Other or Unknown	4.4%	-	3.5%	-	6.0%	5.0%	5.6%	18.6%	14.2%	9.8%	5.3%	3.7%	5.8%	4.5%
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Rodents														
Signs of rats in last 3 mon.	2.7%	-	2.7%	-	2.7%	-	5.4%	10.0%	17.0%	8.0%	4.9%	-	4.5%	-

<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>2004</i>	<i>2011</i>	<i>2004</i>	<i>2011</i>	<i>2004</i>	<i>2011</i>	<i>2004</i>	<i>2011</i>	<i>2004</i>	<i>2011</i>	<i>2004</i>	<i>2011</i>	<i>2004</i>
Signs of mice in last 3 mon.	9.5%	6.0%	10.6%	5.4%	7.8%	7.3%	19.2%	20.7%	18.0%	12.1%	15.8%	9.1%	8.9%	6.7%
Signs of rodents, not sure which kind in last 3 mon.	0.8%	-	0.8%	-	0.8%	-	1.4%	-	1.1%	-	0.7%	-	1.1%	-
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Electrical														
No electrical wiring	<0.1%	-	0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	0.1%	-	<0.1%	-
Exposed wiring	1.7%	-	1.6%	-	1.8%	-	14.4%	2.0%	3.6%	-	2.9%	-	1.7%	-
Rooms without electric outlets	1.5%	-	1.3%	-	1.7%	-	2.6%	19.0%	4.0%	7.4%	1.7%	-	1.1%	-
Fuses/breakers blown in last 3 mon.	10.9%	11.9%	10.9%	11.8%	11.0%	12.1%	15.5%	23.5%	13.4%	25.3%	9.7%	11.3%	11.2%	12.9%
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Sanitation														
Lacking complete kitchen facilities	2.0%	-	0.4%	-	4.7%	6.6%	1.9%	17.2%	35.2%	42.1%	2.3%	6.8%	2.4%	-
Lacking some or all plumbing facilities	1.1%	-	0.2%	-	2.5%	-	37.6%	44.4%	<0.1%	-	0.9%	-	0.9%	-
Water not safe to drink	3.8%	-	2.9%	-	5.3%	-	4.1%	7.5%	5.6%	8.2%	5.8%	5.3%	5.2%	3.4%
Water stoppage in last 3 mon.	3.8%	-	2.5%	-	6.0%	4.7%	21.1%	13.1%	11.7%	7.8%	6.1%	3.6%	4.2%	-
No flush toilets working some time in last 3 mon.	2.3%	-	1.1%	-	4.1%	5.8%	8.7%	12.8%	11.1%	14.8%	3.3%	6.9%	2.8%	-
With sewage disposal breakdowns in last 3 mon.	1.9%	-	2.1%	-	1.6%	-	15.5%	7.3%	6.8%	10.7%	1.7%	-	2.0%	-
Septic tank, cesspool, chemical toilet	8.7%	9.3%	12.0%	-	3.4%	-	2.3%	5.1%	11.9%	10.8%	5.9%	7.9%	0.8%	-
With septic tank or cesspool breakdowns in last 3 mon.	0.1%	-	0.1%	-	0.2%	-	0.7%	-	1.1%	-	0.1%	-	<0.1%	-
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HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	85.1%	-	89.3%	-	78.2%	-	87.1%	52.3%	48.2%	62.6%	76.5%	-	80.6%	-

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	2004	2011	2004	2011	2004	2011	2004	2011	2004	2011	2004	2011	2004
Steam or hot water system	0.7%	-	1.0%	-	0.3%	-	<0.1%	3.6%	<0.1%	0.6%	1.9%	-	1.4%	-
Electric heat pump	4.4%	7.2%	3.0%	-	6.5%	12.0%	6.0%	3.7%	14.9%	9.0%	5.0%	8.6%	4.7%	7.9%
Built-in electric units	1.8%	-	0.7%	-	3.6%	-	0.7%	7.5%	2.0%	-	1.0%	-	2.7%	-
Floor, wall, or other built-in hot air without ducts	4.2%	-	3.6%	-	5.3%	5.0%	0.7%	10.6%	10.7%	9.0%	9.3%	6.2%	6.2%	6.5%
Room heaters with flue	0.5%	-	0.4%	-	0.6%	-	<0.1%	5.5%	0.3%	-	0.5%	-	0.4%	-
Room heaters without flue	1.1%	-	0.8%	-	1.8%	-	3.3%	5.9%	18.7%	14.0%	1.3%	-	1.1%	-
Portable electric heaters	1.3%	-	0.5%	-	2.6%	-	1.5%	-	3.3%	-	3.2%	-	1.8%	-
Stoves	0.1%	-	0.1%	-	0.1%	-	<0.1%	1.7%	<0.1%	-	0.3%	-	<0.1%	-
Fireplace without inserts	0.1%	-	<0.1%	-	0.1%	-	<0.1%	1.9%	0.3%	-	0.1%	-	0.1%	-
Other	0.5%	-	0.4%	-	0.7%	-	<0.1%	1.8%	1.1%	-	0.5%	-	0.8%	-
No heating equipment	<0.1%	-	<0.1%	-	0.1%	-	<0.1%	1.8%	<0.1%	-	<0.1%	-	<0.1%	-
Cooking stove	0.1%	-	0.1%	-	<0.1%	-	0.7%	-	<0.1%	-	0.2%	-	<0.1%	-
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Water Heating Fuel														
Electricity	48.6%	-	39.7%	43.1%	63.5%	-	66.7%	45.0%	54.4%	-	58.5%	-	44.4%	-
Gas, LP/bottled gas	51.3%	-	60.3%	56.7%	36.5%	-	33.3%	55.0%	45.6%	-	41.4%	43.5%	55.5%	-
Other	0.1%	-	0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	0.1%	-	0.1%	-
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Clothes Dryer(,000)	389	360	275	271	114	89	7	4	15	14	66	40	174	153
Have Clothes Dryer	82.4%	-	93.5%	-	64.0%	-	49.8%	53.8%	57.6%	-	65.4%	60.5%	72.0%	-
Electricity	97.0%	-	96.6%	-	97.9%	-	100%	-	100%	-	96.5%	-	96.8%	-
Gas, LP gas (liquid propane)	3.0%	-	3.4%	-	2.1%	-	<0.1%	3.5%	<0.1%	0.9%	3.5%	-	3.2%	-
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Heating Problems														
Uncomfortably cold for 24 hours or more last winter	13.1%	8.6%	11.8%	7.1%	15.7%	12.5%	65.9%	61.9%	11.6%	19.7%	13.6%	12.5%	16.7%	11.7%
Heating equipment breakdowns	4.5%	-	4.5%	-	4.3%	-	61.1%	46.0%	1.4%	-	4.4%	-	4.9%	-

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	2004	2011	2004	2011	2004	2011	2004	2011	2004	2011	2004	2011	2004
	Other causes	7.3%	4.9%	7.0%	4.5%	7.7%	5.7%	6.9%	16.5%	8.6%	12.4%	7.1%	7.5%	9.8%
Utility interruption	1.5%	-	2.1%	-	0.6%	-	2.2%	-	1.3%	-	1.0%	-	1.8%	-
Inadequate heating capacity	1.6%	-	0.8%	-	2.8%	-	2.0%	-	2.5%	-	2.9%	-	2.1%	-
Inadequate insulation	2.4%	-	1.5%	-	3.9%	-	4.2%	-	3.6%	-	2.0%	-	3.3%	-
Cost of heating	1.1%	-	0.9%	-	1.3%	-	2.2%	-	2.6%	-	0.6%	-	1.4%	-
Other	2.0%	-	2.0%	-	2.0%	-	1.4%	8.3%	1.0%	-	1.4%	-	3.1%	-

SELECTED PHYSICAL PROBLEMS

Severe Physical Problems(,000)	13	7	7	3	6	4	13	7	.	.	4	3	8	5
Severe physical problems	2.8%	-	2.5%	-	3.4%	-	100%	-	.	.	3.8%	-	3.4%	-
Plumbing	1.1%	-	0.2%	-	2.5%	-	37.6%	44.4%	.	.	0.9%	-	0.9%	-
Heating	1.7%	-	2.3%	-	0.7%	-	59.7%	40.0%	.	.	3.1%	-	2.3%	-
Electric	<0.1%	-	<0.1%	-	<0.1%	-	0.7%	-	.	.	<0.1%	-	<0.1%	-
Hallways	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	.	.	<0.1%	-	<0.1%	-
Upkeep	0.1%	-	<0.1%	-	0.1%	-	2.7%	15.6%	.	.	<0.1%	0.6%	0.1%	-
Moderate Physical Problems(,000)	26	24	9	9	17	15	.	.	26	24	10	7	18	16
Moderate physical problems	5.5%	-	3.1%	-	9.6%	10.5%	.	.	100%	-	9.5%	10.4%	7.3%	7.9%
Plumbing	0.3%	-	0.2%	-	0.4%	-	.	.	5.0%	5.9%	0.6%	-	0.3%	-
Heating	1.0%	-	0.7%	-	1.6%	-	.	.	18.7%	14.0%	1.2%	-	1.0%	-
Upkeep	1.9%	-	0.3%	-	4.7%	6.0%	.	.	35.2%	42.1%	2.0%	5.3%	2.3%	-
Hallways	<0.1%	-	<0.1%	-	<0.1%	0.4%	.	.	<0.1%	2.1%	<0.1%	0.2%	<0.1%	-
Kitchen	2.7%	-	2.0%	-	4.0%	-	.	.	49.6%	39.0%	6.0%	3.2%	4.4%	-

OVERALL OPINION OF STRUCTURE

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	2004	2011	2004	2011	2004	2011	2004	2011	2004	2011	2004	2011	2004
	1(worst)	0.7%	-	0.2%	-	1.4%	-	5.4%	14.4%	3.0%	5.7%	1.5%	-	0.8%
2	0.3%	-	<0.1%	-	0.7%	-	1.5%	-	1.8%	-	0.3%	-	0.3%	-
3	0.5%	-	0.3%	-	0.9%	-	1.5%	6.8%	2.1%	-	1.0%	-	0.7%	-
4	1.2%	-	1.3%	-	1.1%	-	1.8%	-	2.1%	-	2.9%	-	1.7%	-
5	6.5%	-	6.1%	4.0%	7.1%	11.3%	2.0%	16.3%	16.9%	-	7.2%	12.2%	7.6%	8.8%
6	4.9%	5.4%	3.1%	-	7.9%	8.5%	28.9%	5.9%	5.0%	7.8%	5.1%	8.7%	4.6%	6.5%
7	14.0%	13.0%	10.3%	10.9%	19.9%	17.1%	9.1%	12.0%	15.9%	14.6%	16.1%	11.9%	17.5%	14.9%
8	27.0%	-	26.6%	28.2%	27.7%	-	30.7%	21.8%	21.1%	18.4%	20.4%	26.3%	26.7%	-
9	14.9%	14.1%	17.2%	-	11.2%	9.4%	14.5%	6.1%	9.5%	7.6%	14.7%	7.7%	14.0%	12.1%
10(best)	30.0%	-	34.9%	-	22.1%	20.3%	4.6%	14.7%	22.6%	-	30.9%	26.2%	26.1%	-

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