

**American Housing Survey - Selected Elements Related to Health Homes
2002 Columbus, OH 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)	613	105,842	401	72,238	212	33,604	9	1,970	21	4,316	62	13,741	295	31,213
GENERAL														
Owner occupied(,000)	401	72,238	401	72,238	.	.	5	932	6	1,795	19	5,868	154	16,093
Renter occupied(,000)	212	33,604	.	.	212	33,604	5	1,039	15	2,521	43	7,873	141	15,119
Owner occupied	65.5%	-	100%	-	<0.1%	<0.1%	48.9%	-	28.4%	41.6%	30.5%	42.7%	52.3%	-
Renter occupied	34.5%	31.7%	<0.1%	<0.1%	100%	-	51.1%	-	71.6%	58.4%	69.5%	57.3%	47.7%	-
Units in Structure														
1, detached	65.6%	-	90.1%	82.6%	19.2%	24.1%	47.7%	-	29.1%	46.4%	39.7%	45.0%	52.0%	-
1, attached	15.3%	5.9%	4.6%	5.1%	35.5%	7.7%	19.5%	6.4%	15.2%	3.1%	19.5%	6.2%	21.7%	8.1%
2 to 4	6.1%	7.9%	1.3%	-	15.3%	20.8%	9.1%	12.1%	17.6%	16.4%	12.2%	13.1%	8.7%	13.2%
5 to 9	4.4%	-	0.4%	-	12.0%	13.7%	8.5%	-	16.2%	9.3%	10.5%	8.9%	7.2%	7.8%
10 to 19	2.9%	-	0.2%	-	8.2%	11.9%	5.4%	5.9%	12.8%	7.7%	5.6%	6.3%	5.0%	6.5%
20 to 49	1.7%	-	<0.1%	-	4.9%	8.6%	1.6%	6.9%	3.0%	5.7%	4.9%	-	2.6%	6.0%
50 or more	1.2%	-	0.1%	-	3.2%	9.2%	<0.1%	8.0%	0.7%	5.2%	2.7%	6.1%	1.7%	7.8%
Manufactured /mobile home or trailer	2.8%	6.5%	3.3%	7.6%	1.7%	-	8.3%	5.2%	5.5%	6.1%	4.8%	9.3%	1.1%	-
Year Structure Built														
Post-2000	4.9%	-	6.2%	-	2.6%	-	<0.1%	1.3%	2.6%	-	2.3%	-	4.3%	-
Post-1980	35.6%	32.2%	39.2%	35.1%	28.7%	26.0%	17.7%	-	23.2%	16.2%	21.9%	24.5%	33.9%	21.1%
Pre-1980	64.4%	67.8%	60.8%	64.9%	71.3%	-	82.3%	-	76.8%	83.8%	78.1%	-	66.1%	78.9%
Pre-1960	31.2%	35.4%	31.3%	33.7%	31.1%	39.2%	42.7%	52.1%	41.8%	52.9%	38.5%	41.0%	31.8%	48.8%
Pre-1940	14.9%	17.5%	14.0%	15.2%	16.6%	22.2%	27.3%	29.8%	30.2%	-	17.4%	20.9%	14.4%	26.1%

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Foundation (for 1-unit not manufactured)														
1-Unit not manufactured(,000)	496	74,026	380	63,322	116	10,704	6	1,047	9	2,138	37	7,035	217	18,035
With a basement under all of house	48.4%	33.0%	51.2%	34.6%	39.1%	23.7%	59.2%	31.4%	62.3%	16.5%	48.8%	26.5%	50.3%	33.0%
With a basement under part of house	25.6%	11.6%	30.5%	12.2%	9.7%	8.6%	22.9%	11.1%	17.0%	8.6%	12.6%	8.4%	21.8%	8.5%
With a crawl space	7.2%	25.5%	7.5%	24.5%	6.2%	31.4%	12.6%	31.8%	3.6%	54.1%	8.3%	35.0%	4.3%	24.4%
On a concrete slab	16.1%	29.3%	8.7%	28.3%	40.3%	35.2%	2.7%	23.3%	13.4%	19.8%	27.6%	29.1%	20.6%	33.6%
In some other way	2.7%	-	2.1%	-	4.8%	-	2.5%	-	3.7%	-	2.7%	-	3.0%	-
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EXTERIOR														
External Building Conditions														
Sagging roof	2.4%	-	2.2%	-	2.7%	-	8.7%	-	8.3%	9.8%	3.4%	-	2.2%	-
Missing roofing material	4.6%	-	4.1%	-	5.5%	5.2%	16.3%	10.0%	13.6%	9.6%	7.1%	5.5%	4.2%	-
Hole in roof	1.9%	-	1.0%	-	3.6%	-	10.3%	8.1%	14.1%	9.1%	4.4%	-	2.5%	-
Missing bricks, siding, other outside wall material	3.1%	-	2.5%	-	4.4%	-	9.8%	-	12.1%	11.3%	5.3%	-	3.2%	-
Sloping outside walls	1.5%	-	0.8%	-	2.8%	-	3.0%	5.5%	7.9%	-	3.0%	-	1.7%	-
Boarded up windows	1.3%	-	0.7%	-	2.4%	-	<0.1%	3.5%	7.6%	4.2%	3.6%	-	1.7%	-
Broken windows	3.6%	-	2.8%	-	5.0%	-	8.4%	10.3%	8.6%	12.4%	7.5%	6.9%	3.7%	-
Bars on windows	1.9%	-	1.9%	-	1.9%	6.6%	3.4%	7.8%	5.4%	8.4%	1.1%	6.2%	3.3%	10.1%
Foundation crumbling or has open crack or hole	3.6%	-	3.3%	-	4.4%	-	4.9%	8.6%	15.4%	10.8%	7.8%	4.3%	4.5%	-
None of the above	83.1%	-	85.4%	-	78.6%	73.5%	67.6%	63.5%	60.4%	57.3%	75.1%	-	80.5%	73.1%

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	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	16.0%	10.5%	16.6%	11.1%	14.9%	9.3%	24.0%	16.1%	37.8%	29.5%	13.3%	10.2%	15.6%	10.0%
Roof	6.7%	5.3%	7.0%	5.4%	6.2%	5.1%	13.6%	10.9%	22.1%	20.1%	6.3%	-	5.5%	-
Basement	8.5%	3.6%	9.1%	4.5%	7.4%	1.8%	12.3%	3.3%	23.2%	6.0%	5.8%	2.1%	8.7%	2.9%
Walls, closed windows, or doors	3.1%	-	2.7%	-	3.7%	-	7.8%	4.9%	12.1%	9.1%	3.9%	-	3.8%	-
Other or Unknown	1.4%	-	1.4%	-	1.4%	-	2.0%	-	2.9%	6.1%	1.2%	-	1.5%	-
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INTERIOR														
Damage														
Holes in floors	0.9%	-	0.4%	-	1.9%	-	4.8%	6.3%	10.7%	9.5%	3.0%	-	1.2%	-
Open cracks or holes	6.6%	4.9%	5.1%	3.7%	9.5%	7.6%	20.4%	16.3%	41.9%	31.4%	10.9%	8.1%	7.4%	6.6%
Broken plaster or peeling paint	3.1%	-	2.5%	-	4.1%	-	13.6%	10.6%	27.9%	20.4%	4.3%	-	3.7%	-
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Water Leakage During Last 12 Months														
With leakage from inside structure	10.0%	8.1%	8.2%	6.8%	13.5%	11.0%	25.6%	17.0%	35.8%	25.7%	10.8%	9.6%	11.7%	9.6%
Fixtures backed up or overflowed	3.8%	-	2.8%	-	5.7%	3.9%	12.1%	7.0%	20.7%	9.9%	5.3%	3.1%	4.9%	-
Pipes leaked	4.5%	-	3.5%	-	6.5%	5.6%	15.2%	8.9%	19.8%	15.4%	4.0%	5.3%	5.3%	4.4%
Broken water heater	0.8%	-	0.5%	-	1.4%	-	<0.1%	2.7%	2.9%	-	0.6%	-	0.7%	-
Other or Unknown	2.2%	-	2.2%	-	2.2%	-	6.2%	4.6%	10.9%	5.8%	2.1%	-	2.5%	-

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Rodents														
Signs of rats in last 3 mon.	0.4%	-	0.2%	-	0.8%	-	<0.1%	5.1%	5.1%	4.6%	1.4%	-	0.7%	-
Signs of mice in last 3 mon.	6.3%	-	6.6%	5.4%	5.6%	7.3%	14.5%	11.4%	10.6%	16.1%	6.2%	9.2%	5.2%	6.6%
Signs of rodents, not sure which kind in last 3 mon.	0.3%	-	0.2%	-	0.6%	-	<0.1%	1.1%	2.7%	-	1.1%	-	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	0.4%	-	0.2%	-	0.6%	-	6.3%	2.7%	<0.1%	1.3%	0.7%	-	0.4%	-
Rooms without electric outlets	1.2%	-	0.8%	-	2.0%	-	5.1%	8.4%	1.7%	-	2.5%	-	1.6%	-
Fuses/breakers blown in last 3 mon.	15.7%	9.2%	15.8%	9.4%	15.6%	8.8%	27.0%	12.5%	30.9%	15.6%	13.0%	7.9%	16.5%	9.4%
Sanitation														
Lacking complete kitchen facilities	1.8%	-	0.6%	-	4.1%	-	3.2%	7.3%	51.0%	32.7%	4.8%	-	2.4%	-
Lacking some or all plumbing facilities	1.0%	-	0.7%	-	1.3%	-	62.2%	68.8%	<0.1%	0.0%	2.1%	-	0.7%	-
Water not safe to drink	7.7%	9.2%	6.5%	7.1%	10.1%	13.9%	10.6%	16.7%	13.5%	17.2%	11.3%	12.6%	10.5%	12.3%
Water stoppage in last 3 mon.	2.8%	-	2.7%	-	3.1%	-	<0.1%	6.2%	6.9%	-	1.5%	-	2.5%	-
No flush toilets working some time in last 3 mon.	2.4%	-	1.4%	-	4.2%	-	6.9%	-	10.0%	11.1%	6.0%	4.1%	2.9%	-
With sewage disposal breakdowns in last 3 mon.	1.4%	-	1.5%	-	1.3%	-	3.0%	-	5.1%	4.2%	2.3%	-	1.7%	-
Septic tank, cesspool, chemical toilet	11.5%	20.7%	15.9%	26.7%	3.2%	7.9%	10.8%	13.3%	8.3%	18.2%	10.0%	17.7%	0.9%	-
With septic tank or cesspool breakdowns in last 3 mon.	0.2%	-	0.3%	-	0.1%	-	3.0%	-	0.8%	-	0.5%	-	<0.1%	-

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HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	87.2%	61.8%	89.1%	66.6%	83.4%	51.4%	84.3%	47.0%	82.8%	33.6%	82.2%	54.2%	89.4%	58.6%
Steam or hot water system	1.1%	12.5%	1.0%	10.8%	1.5%	16.2%	5.5%	22.5%	2.3%	12.9%	2.0%	12.6%	1.2%	17.7%
Electric heat pump	6.8%	10.7%	7.0%	11.5%	6.3%	9.1%	3.7%	-	3.9%	-	4.9%	8.4%	6.1%	8.5%
Built-in electric units	2.2%	-	1.3%	-	3.9%	7.6%	3.5%	-	2.2%	-	4.8%	5.9%	0.9%	-
Floor, wall, or other built-in hot air without ducts	1.9%	5.0%	1.1%	-	3.3%	9.0%	1.4%	8.8%	3.1%	5.5%	4.3%	8.1%	1.7%	7.0%
Room heaters with flue	0.2%	-	0.2%	-	0.2%	-	<0.1%	2.5%	0.7%	-	0.7%	-	0.2%	-
Room heaters without flue	0.1%	-	0.1%	-	0.2%	-	<0.1%	3.1%	4.2%	33.5%	<0.1%	3.4%	0.1%	-
Portable electric heaters	0.1%	-	<0.1%	-	0.3%	-	1.6%	-	<0.1%	1.6%	0.5%	-	0.1%	-
Stoves	0.2%	-	0.2%	-	0.4%	-	<0.1%	3.3%	<0.1%	1.0%	0.3%	-	0.1%	-
Fireplace with inserts	<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%	<0.1%	<0.1%	-	<0.1%	<0.1%
Other	0.2%	-	<0.1%	-	0.4%	-	<0.1%	0.7%	0.7%	-	0.2%	-	0.2%	-
No heating equipment	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
Cooking stove	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
Water Heating Fuel														
Electricity	32.0%	39.2%	28.7%	37.5%	38.2%	43.0%	35.5%	31.5%	32.8%	36.9%	36.7%	44.7%	27.6%	29.0%
Gas, LP/bottled gas	67.8%	55.4%	71.1%	57.6%	61.6%	50.7%	64.5%	57.7%	67.2%	57.8%	62.6%	50.1%	72.2%	64.3%
Fuel oil	0.1%	5.1%	0.2%	-	0.1%	6.1%	<0.1%	10.4%	<0.1%	5.0%	<0.1%	4.9%	0.1%	6.4%
Kerosene or other liquid fuel	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	<0.1%	<0.1%	<0.1%	<0.1%	-	<0.1%	-
Other	0.1%	-	<0.1%	0.3%	0.2%	-	<0.1%	0.4%	<0.1%	0.3%	0.7%	-	0.2%	-

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Clothes Dryer Fuel(,000)	520	82,538	394	67,262	126	15,276	7	1,014	13	2,387	36	7,720	228	19,624
Electricity	90.0%	76.5%	89.0%	74.8%	93.2%	83.6%	93.6%	75.5%	93.5%	83.0%	91.9%	81.5%	88.7%	71.7%
Gas, LP gas (liquid propane)	10.0%	23.5%	11.0%	25.1%	6.8%	16.3%	6.4%	24.5%	6.5%	17.0%	8.1%	18.5%	11.3%	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	8.7%	7.6%	6.9%	6.3%	12.4%	11.0%	42.2%	34.6%	20.8%	16.9%	11.8%	11.2%	9.1%	-
Heating equipment breakdowns	3.1%	-	2.7%	-	4.0%	-	34.6%	26.7%	2.7%	-	4.0%	-	3.4%	-
Other causes	5.1%	-	4.0%	-	7.1%	5.9%	13.6%	8.6%	16.7%	10.6%	6.9%	-	5.1%	-
Utility interruption	1.1%	-	1.3%	-	0.6%	-	<0.1%	1.3%	2.2%	-	0.7%	-	0.5%	-
Inadequate heating capacity	1.1%	-	0.6%	-	2.0%	-	7.1%	3.0%	5.4%	3.5%	1.6%	-	1.1%	-
Inadequate insulation	1.7%	-	0.8%	-	3.4%	-	10.4%	3.2%	8.6%	3.6%	3.6%	-	2.1%	-
Cost of heating	0.8%	-	0.7%	-	1.0%	-	3.4%	-	0.9%	-	1.0%	-	0.7%	-
Other	1.4%	-	1.2%	-	2.0%	-	2.0%	-	5.5%	2.7%	2.2%	-	1.7%	-
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SELECTED PHYSICAL PROBLEMS														
Severe Physical Problems(,000)	9	1,970	5	932	5	1,039	9	1,970	.	.	2	498	4	881
Severe physical problems	1.5%	-	1.1%	-	2.3%	-	100%	-	.	.	3.4%	-	1.4%	-
Plumbing	1.0%	-	0.7%	-	1.3%	-	62.2%	68.8%	.	.	2.1%	-	0.7%	-
Heating	0.5%	-	0.4%	-	0.6%	-	29.8%	25.1%	.	.	0.5%	-	0.5%	-
Electric	0.1%	-	<0.1%	-	0.2%	-	5.4%	4.7%	.	.	0.3%	-	0.2%	-
Hallways	<0.1%	-	<0.1%	0.0%	<0.1%	-	<0.1%	0.4%	.	.	<0.1%	-	<0.1%	-
Upkeep	0.1%	-	<0.1%	-	0.2%	-	4.8%	-	.	.	0.5%	-	0.1%	-

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Moderate Physical Problems(,000)	21	4,316	6	1,795	15	2,521	.	.	21	4,316	5	1,107	14	1,746
Moderate physical problems	3.4%	-	1.5%	-	7.1%	7.5%	.	.	100%	-	7.3%	8.1%	4.6%	5.6%
Plumbing	0.2%	-	0.1%	-	0.3%	-	.	.	5.2%	4.5%	0.3%	-	0.2%	-
Heating	0.1%	-	0.1%	-	0.2%	-	.	.	4.2%	33.5%	<0.1%	3.2%	0.1%	-
Upkeep	1.7%	-	0.6%	-	3.9%	-	.	.	51.0%	32.7%	4.6%	-	2.3%	-
Hallways	0.2%	-	<0.1%	-	0.5%	-	.	.	5.5%	3.3%	0.3%	-	0.3%	-
Kitchen	1.5%	-	0.8%	-	2.7%	-	.	.	42.9%	30.2%	3.0%	-	2.0%	-
OVERALL OPINION OF STRUCTURE														
1(worst)	0.6%	-	0.1%	-	1.3%	-	3.7%	-	5.8%	3.0%	1.3%	-	0.8%	-
2	0.3%	-	0.1%	-	0.6%	-	1.8%	-	1.5%	-	1.0%	-	0.4%	-
3	0.9%	-	0.2%	-	2.1%	-	8.5%	4.4%	4.9%	-	2.0%	-	1.3%	-
4	1.2%	-	0.4%	-	2.6%	-	<0.1%	2.6%	3.1%	-	3.4%	-	1.6%	-
5	6.0%	5.6%	3.7%	-	10.4%	-	8.9%	10.7%	18.1%	14.0%	12.3%	8.9%	7.0%	7.4%
6	6.1%	5.6%	4.3%	-	9.7%	8.8%	8.9%	7.5%	6.3%	10.3%	8.1%	6.2%	7.9%	7.3%
7	15.7%	14.2%	12.4%	-	21.9%	18.4%	4.6%	16.4%	21.6%	14.2%	14.7%	12.8%	18.7%	16.3%
8	27.5%	-	28.9%	-	24.7%	26.9%	23.3%	-	13.9%	22.0%	21.9%	24.3%	28.0%	-
9	15.7%	-	18.2%	-	10.8%	11.4%	13.7%	10.1%	11.6%	10.2%	9.6%	11.1%	14.3%	-
10(best)	26.2%	27.8%	31.7%	-	15.8%	18.7%	26.5%	20.9%	13.1%	17.6%	25.6%	30.0%	20.0%	22.6%

* = National Statistic only reported if MSA is >=5% different from National. See www.healthyhomestraining.org/ahs/ for more info.