

**American Housing Survey - Selected Elements Related to Health Homes
2003 Detroit, MI 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)	1,707	105,842	1,260	72,238	447	33,604	41	1,970	46	4,316	212	13,741	402	31,213
GENERAL														
Owner occupied(,000)	1,260	72,238	1,260	72,238	.	.	27	932	18	1,795	95	5,868	237	16,093
Renter occupied(,000)	447	33,604	.	.	447	33,604	15	1,039	28	2,521	118	7,873	165	15,119
Owner occupied	73.8%	-	100%	-	<0.1%	<0.1%	64.4%	47.3%	38.7%	-	44.5%	-	59.0%	-
Renter occupied	26.2%	31.7%	<0.1%	<0.1%	100%	-	35.6%	52.7%	61.3%	-	55.5%	-	41.0%	-
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Units in Structure														
1, detached	72.4%	-	88.2%	-	28.1%	-	59.3%	46.8%	54.0%	-	55.0%	-	69.9%	49.7%
1, attached	5.6%	-	4.4%	-	9.1%	-	4.8%	6.4%	<0.1%	3.1%	6.8%	-	5.2%	8.1%
2 to 4	6.3%	7.9%	2.6%	2.0%	16.6%	20.8%	6.0%	12.1%	16.9%	-	11.7%	-	13.1%	-
5 to 9	4.5%	-	0.9%	-	14.5%	-	9.2%	-	15.0%	9.3%	8.5%	-	2.2%	7.8%
10 to 19	3.6%	-	0.5%	-	12.2%	-	12.9%	5.9%	9.4%	-	4.6%	6.3%	1.7%	6.5%
20 to 49	1.8%	3.1%	0.2%	0.5%	6.6%	8.6%	<0.1%	6.9%	2.6%	5.7%	2.3%	5.1%	2.2%	6.0%
50 or more	3.1%	-	0.3%	0.8%	11.1%	-	3.0%	8.0%	<0.1%	5.2%	8.1%	6.1%	5.7%	7.8%
Manufactured /mobile home or trailer	2.7%	6.5%	3.0%	7.6%	1.7%	4.0%	4.9%	-	2.1%	6.1%	3.0%	9.3%	<0.1%	0.9%
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Year Structure Built														
Post-2000	3.1%	4.9%	4.0%	5.9%	0.5%	2.9%	<0.1%	1.3%	<0.1%	1.7%	<0.1%	2.6%	<0.1%	3.0%
Post-1980	24.7%	32.2%	25.3%	35.1%	23.0%	-	15.1%	-	10.1%	16.2%	14.1%	24.5%	8.8%	21.1%
Pre-1980	75.3%	-	74.7%	-	77.0%	-	84.9%	-	89.9%	-	85.9%	-	91.2%	-
Pre-1960	44.7%	35.4%	46.9%	33.7%	38.6%	-	54.5%	-	55.1%	-	53.3%	41.0%	74.1%	48.8%
Pre-1940	14.7%	-	14.6%	-	14.7%	22.2%	25.2%	-	24.5%	29.6%	22.2%	-	30.0%	-

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Foundation (for 1-unit not manufactured)														
1-Unit not manufactured(,000)	1,332	74,026	1,166	63,322	166	10,704	26	1,047	25	2,138	131	7,035	302	18,035
With a basement under all of house	67.5%	33.0%	67.9%	34.6%	65.0%	23.7%	73.6%	31.4%	78.4%	16.5%	75.2%	26.5%	89.6%	33.0%
With a basement under part of house	14.9%	11.6%	16.0%	12.2%	7.4%	-	14.6%	11.1%	6.0%	8.6%	10.7%	8.4%	4.8%	8.5%
With a crawl space	10.7%	25.5%	10.3%	24.5%	13.8%	31.4%	11.9%	31.8%	11.8%	54.1%	9.8%	35.0%	2.6%	24.4%
On a concrete slab	6.1%	29.3%	5.1%	28.3%	13.3%	35.2%	<0.1%	23.3%	3.8%	19.8%	4.3%	29.1%	3.0%	33.6%
In some other way	0.7%	-	0.8%	0.5%	0.5%	1.1%	<0.1%	2.4%	<0.1%	0.9%	<0.1%	1.0%	<0.1%	0.5%
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EXTERIOR														
External Building Conditions														
Sagging roof	2.2%	-	2.2%	-	2.4%	3.1%	8.6%	-	7.9%	9.8%	3.3%	4.3%	2.9%	-
Missing roofing material	3.1%	-	2.4%	2.9%	5.1%	-	11.0%	-	5.8%	9.6%	4.6%	-	5.5%	4.4%
Hole in roof	1.5%	1.8%	1.0%	1.4%	2.9%	-	8.9%	-	6.0%	9.1%	3.0%	-	3.7%	2.3%
Missing bricks, siding, other outside wall material	3.1%	-	2.1%	-	5.9%	4.1%	8.1%	-	7.8%	11.3%	4.9%	-	5.3%	3.3%
Sloping outside walls	1.3%	-	0.8%	-	2.6%	-	3.0%	5.5%	10.3%	7.5%	3.4%	-	2.0%	-
Boarded up windows	0.8%	-	0.3%	0.6%	2.1%	1.6%	2.8%	3.5%	5.7%	4.2%	2.6%	-	2.2%	1.5%
Broken windows	3.7%	-	2.7%	-	6.5%	-	8.1%	10.3%	11.2%	-	7.5%	-	7.6%	4.6%
Bars on windows	4.5%	-	4.1%	2.9%	5.5%	-	5.6%	7.8%	13.0%	8.4%	7.9%	6.2%	14.2%	10.1%
Foundation crumbling or has open crack or hole	2.5%	-	1.9%	-	4.2%	-	6.2%	8.6%	13.5%	10.8%	4.8%	-	3.9%	-
None of the above	81.6%	-	84.4%	-	73.7%	-	78.6%	-	53.6%	-	70.4%	-	65.3%	-

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Water Leakage During Last 12 Months														
With leakage from outside structure	12.7%	-	13.3%	-	11.0%	-	13.0%	16.1%	53.5%	29.5%	13.6%	10.2%	16.8%	10.0%
Roof	5.8%	-	6.3%	-	4.3%	-	13.0%	-	33.0%	20.1%	6.2%	-	9.8%	5.3%
Basement	7.3%	3.6%	7.5%	4.5%	6.7%	1.8%	3.3%	-	33.7%	6.0%	6.4%	2.1%	10.0%	2.9%
Walls, closed windows, or doors	2.4%	-	2.5%	1.9%	2.2%	-	<0.1%	4.9%	22.1%	9.1%	2.4%	-	1.7%	2.5%
Other or Unknown	0.7%	1.3%	0.5%	1.3%	1.1%	1.5%	<0.1%	2.8%	8.1%	6.1%	1.0%	1.3%	0.9%	1.4%
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INTERIOR														
Damage														
Holes in floors	0.8%	-	0.5%	-	1.8%	-	7.9%	-	10.6%	-	1.1%	2.1%	2.5%	1.4%
Open cracks or holes	5.0%	-	3.1%	-	10.3%	7.6%	15.9%	-	48.4%	31.4%	8.4%	-	10.7%	6.6%
Broken plaster or peeling paint	3.1%	2.2%	2.5%	1.5%	4.6%	-	10.6%	-	34.6%	20.4%	6.4%	4.3%	7.1%	3.5%
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Water Leakage During Last 12 Months														
With leakage from inside structure	9.8%	-	8.0%	-	14.6%	11.0%	13.1%	17.0%	51.5%	25.7%	10.6%	-	12.3%	9.6%
Fixtures backed up or overflowed	3.2%	-	2.9%	2.2%	4.0%	-	5.6%	7.0%	22.3%	9.9%	1.2%	3.1%	5.8%	3.4%
Pipes leaked	4.4%	-	3.0%	-	8.5%	5.6%	6.1%	8.9%	31.7%	15.4%	6.5%	-	4.8%	-
Broken water heater	0.9%	-	0.7%	-	1.6%	0.8%	6.1%	2.7%	4.6%	2.2%	0.6%	1.1%	1.3%	0.9%
Other or Unknown	3.0%	1.8%	2.8%	1.5%	3.6%	2.5%	5.7%	-	24.5%	5.8%	3.2%	1.8%	3.7%	2.4%

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Rodents														
Signs of rats in last 3 mon.	0.3%	0.8%	0.1%	0.6%	0.8%	1.3%	3.2%	5.1%	3.1%	4.6%	1.2%	1.8%	0.6%	1.4%
Signs of mice in last 3 mon.	4.5%	6.0%	4.4%	5.4%	4.9%	7.3%	7.7%	11.4%	26.7%	16.1%	9.6%	-	9.0%	6.6%
Signs of rodents, not sure which kind in last 3 mon.	0.3%	-	0.1%	-	1.0%	0.5%	<0.1%	1.1%	7.0%	1.8%	1.3%	0.7%	<0.1%	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	0.5%	-	0.5%	-	0.7%	-	2.7%	-	2.0%	1.3%	1.0%	-	1.2%	0.6%
Rooms without electric outlets	1.2%	1.5%	0.9%	1.2%	2.1%	-	5.6%	8.4%	2.3%	3.7%	2.6%	-	4.0%	1.6%
Fuses/breakers blown in last 3 mon.	12.8%	9.2%	12.8%	9.4%	12.7%	8.8%	10.2%	12.5%	45.2%	15.6%	17.1%	7.9%	12.9%	9.4%
Sanitation														
Lacking complete kitchen facilities	1.0%	1.5%	0.5%	-	2.6%	3.7%	4.7%	7.3%	34.2%	-	3.8%	2.7%	1.1%	2.5%
Lacking some or all plumbing facilities	1.5%	-	1.5%	1.0%	1.5%	2.0%	62.4%	-	<0.1%	0.0%	2.9%	-	1.6%	-
Water not safe to drink	5.5%	9.2%	4.8%	7.1%	7.6%	13.9%	3.2%	16.7%	14.0%	17.2%	6.0%	12.6%	5.0%	12.3%
Water stoppage in last 3 mon.	5.3%	3.5%	5.0%	2.8%	6.2%	4.8%	2.2%	6.2%	5.0%	6.9%	3.1%	4.1%	5.4%	3.4%
No flush toilets working some time in last 3 mon.	2.0%	-	1.3%	-	3.8%	-	5.2%	6.8%	19.1%	11.1%	4.8%	-	3.0%	-
With sewage disposal breakdowns in last 3 mon.	2.1%	1.5%	1.6%	1.3%	3.6%	2.0%	5.2%	3.7%	4.9%	-	5.1%	2.3%	3.6%	1.8%
Septic tank, cesspool, chemical toilet	9.7%	20.7%	12.2%	26.7%	2.5%	7.9%	6.7%	13.3%	2.3%	18.2%	4.0%	17.7%	<0.1%	1.2%
With septic tank or cesspool breakdowns in last 3 mon.	0.1%	-	0.1%	0.4%	0.2%	-	2.2%	<0.1%	2.3%	0.9%	0.5%	-	<0.1%	-

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HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	88.8%	61.8%	92.0%	66.6%	79.9%	51.4%	87.5%	47.0%	72.9%	33.6%	81.9%	54.2%	83.0%	58.6%
Steam or hot water system	7.6%	12.5%	5.8%	10.8%	12.7%	16.2%	7.5%	22.5%	9.8%	12.9%	12.2%	-	12.0%	17.7%
Electric heat pump	0.7%	10.7%	0.5%	11.5%	1.1%	9.1%	<0.1%	4.2%	6.0%	4.8%	2.0%	8.4%	1.5%	8.5%
Built-in electric units	1.2%	4.5%	0.5%	3.0%	3.2%	7.6%	<0.1%	4.3%	2.3%	4.5%	1.1%	5.9%	0.9%	3.7%
Floor, wall, or other built-in hot air without ducts	1.1%	5.0%	0.6%	3.2%	2.8%	9.0%	2.3%	8.8%	7.0%	5.5%	2.4%	8.1%	1.9%	7.0%
Room heaters with flue	0.1%	1.4%	0.1%	1.1%	0.2%	1.8%	<0.1%	2.5%	<0.1%	1.6%	<0.1%	2.8%	0.3%	1.0%
Room heaters without flue	0.1%	1.4%	0.1%	1.4%	<0.1%	1.5%	<0.1%	3.1%	1.9%	33.5%	<0.1%	3.4%	<0.1%	1.3%
Portable electric heaters	0.1%	0.7%	0.1%	0.5%	<0.1%	1.1%	<0.1%	1.8%	<0.1%	1.6%	<0.1%	1.5%	<0.1%	0.8%
Stoves	0.2%	1.0%	0.2%	1.2%	0.1%	0.5%	<0.1%	3.3%	<0.1%	1.0%	0.3%	1.4%	0.2%	-
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%	<0.1%
Fireplace without inserts	<0.1%	-	<0.1%	0.1%	<0.1%	-	<0.1%	0.2%	<0.1%	<0.1%	<0.1%	0.1%	<0.1%	<0.1%
Other	0.1%	-	0.1%	-	<0.1%	0.5%	<0.1%	0.7%	<0.1%	0.2%	<0.1%	0.6%	<0.1%	0.4%
No heating equipment	0.1%	0.4%	0.1%	-	<0.1%	0.7%	2.7%	1.5%	<0.1%	0.6%	<0.1%	0.7%	0.3%	0.7%
Cooking stove	<0.1%	0.1%	<0.1%	0.1%	<0.1%	0.3%	<0.1%	0.2%	<0.1%	0.2%	<0.1%	0.3%	<0.1%	0.3%
Water Heating Fuel														
Electricity	13.8%	39.2%	10.9%	37.5%	22.1%	43.0%	12.4%	31.5%	22.0%	36.9%	18.4%	44.7%	11.6%	29.0%
Gas, LP/bottled gas	86.0%	55.4%	88.9%	57.6%	77.7%	50.7%	87.6%	57.7%	78.0%	57.8%	81.6%	50.1%	88.4%	64.3%
Fuel oil	0.2%	5.1%	0.2%	4.6%	0.2%	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%	0.3%	<0.1%	0.3%	<0.1%	0.2%	<0.1%	0.4%	<0.1%	0.3%	<0.1%	0.4%	<0.1%	0.3%

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Clothes Dryer Fuel(,000)	1,414	82,538	1,215	67,262	199	15,276	27	1,014	28	2,387	128	7,720	295	19,624
Electricity	35.5%	76.5%	33.8%	74.8%	45.8%	83.6%	34.2%	75.5%	47.5%	83.0%	40.1%	81.5%	29.2%	71.7%
Gas, LP gas (liquid propane)	64.5%	23.5%	66.2%	25.1%	54.2%	16.3%	65.8%	24.5%	52.5%	17.0%	59.9%	18.5%	70.8%	28.3%
Other	<0.1%	-	<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	13.4%	7.6%	12.3%	6.3%	17.6%	11.0%	32.9%	-	36.6%	16.9%	15.6%	11.2%	17.4%	9.1%
Heating equipment breakdowns	4.2%	2.1%	3.5%	1.6%	6.0%	2.9%	28.7%	-	21.7%	3.5%	6.9%	2.8%	6.6%	2.8%
Other causes	8.5%	4.9%	8.6%	4.4%	8.1%	5.9%	8.3%	-	14.7%	10.6%	6.4%	-	8.9%	5.3%
Utility interruption	5.0%	2.1%	5.5%	2.3%	3.5%	1.5%	5.5%	1.3%	5.1%	2.0%	2.1%	-	2.6%	1.6%
Inadequate heating capacity	0.9%	-	0.7%	-	1.6%	-	3.1%	-	2.9%	-	1.0%	2.0%	2.0%	1.3%
Inadequate insulation	1.1%	-	0.9%	0.5%	1.6%	-	<0.1%	3.2%	5.9%	3.6%	2.3%	1.7%	2.4%	1.1%
Cost of heating	0.4%	0.6%	0.2%	0.5%	0.8%	-	<0.1%	0.8%	2.9%	2.2%	<0.1%	1.1%	1.0%	0.7%
Other	2.0%	1.2%	2.0%	1.0%	1.8%	-	<0.1%	3.2%	5.2%	2.7%	1.4%	-	2.6%	1.4%
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SELECTED PHYSICAL PROBLEMS														
Severe Physical Problems(,000)	41	1,970	27	932	15	1,039	41	1,970	.	.	8	498	16	881
Severe physical problems	2.4%	1.9%	2.1%	1.3%	3.3%	-	100%	-	.	.	3.9%	-	3.9%	2.8%
Plumbing	1.5%	-	1.5%	1.0%	1.5%	2.0%	62.4%	-	.	.	2.9%	-	1.6%	-
Heating	0.7%	-	0.4%	-	1.5%	0.9%	28.7%	-	.	.	1.0%	0.8%	1.7%	0.8%
Electric	0.1%	-	0.1%	-	<0.1%	0.1%	3.7%	4.7%	.	.	<0.1%	0.3%	0.4%	0.1%
Hallways	0.1%	-	<0.1%	0.0%	0.2%	-	2.5%	0.4%	.	.	<0.1%	-	<0.1%	-
Upkeep	0.1%	-	0.1%	-	0.3%	-	5.7%	4.4%	.	.	0.6%	0.3%	0.6%	0.2%

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2003 Detroit, MI 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
Moderate Physical Problems(,000)	46	4,316	18	1,795	28	2,521	.	.	46	4,316	16	1,107	20	1,746
Moderate physical problems	2.7%	4.1%	1.4%	2.5%	6.4%	-	.	.	100%	-	7.6%	-	4.9%	-
Plumbing	0.3%	-	0.1%	-	1.0%	0.4%	.	.	12.3%	4.5%	<0.1%	0.4%	0.3%	-
Heating	0.1%	1.4%	0.1%	1.3%	<0.1%	1.5%	.	.	1.9%	33.5%	<0.1%	3.2%	<0.1%	1.2%
Upkeep	0.9%	1.3%	0.5%	-	2.2%	3.4%	.	.	34.2%	-	3.4%	2.2%	1.1%	2.3%
Hallways	0.1%	-	<0.1%	-	0.5%	-	.	.	4.9%	3.3%	<0.1%	0.3%	<0.1%	0.3%
Kitchen	1.4%	-	0.8%	-	3.2%	2.2%	.	.	52.0%	30.2%	4.2%	2.6%	3.9%	1.9%
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OVERALL OPINION OF STRUCTURE														
1(worst)	0.6%	-	0.2%	-	1.6%	1.0%	3.1%	-	<0.1%	3.0%	3.1%	1.7%	1.7%	0.6%
2	0.2%	-	0.2%	-	0.4%	0.9%	<0.1%	1.8%	<0.1%	1.6%	1.5%	0.9%	0.4%	-
3	0.7%	-	0.4%	-	1.6%	-	<0.1%	4.4%	4.8%	3.3%	1.4%	1.7%	0.9%	1.2%
4	0.7%	1.1%	0.3%	0.6%	1.9%	-	<0.1%	2.6%	12.1%	3.9%	2.5%	-	1.5%	-
5	5.2%	-	3.1%	-	11.2%	-	12.4%	-	13.2%	-	5.1%	8.9%	7.7%	-
6	4.5%	5.6%	4.0%	-	5.7%	8.8%	2.8%	7.5%	2.7%	10.3%	3.9%	6.2%	4.3%	7.3%
7	14.4%	-	13.7%	-	16.5%	-	25.4%	16.4%	22.2%	14.2%	12.8%	-	17.7%	-
8	28.0%	-	28.6%	-	26.3%	-	22.4%	-	22.4%	-	27.4%	-	27.1%	-
9	14.5%	-	15.9%	-	10.6%	-	7.5%	10.1%	6.0%	10.2%	10.5%	-	11.2%	14.1%
10(best)	31.1%	-	33.6%	-	24.3%	18.7%	26.3%	20.9%	16.6%	-	31.9%	-	27.3%	-

* = 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.