

**American Housing Survey - Selected Elements Related to Health Homes  
1998 Rochester, NY 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)	410	102,803	286	68,796	124	34,007	7	2,053	13	4,826		13,955	85	31,131
<b>GENERAL</b>														
Owner occupied(,000)	286	68,796	286	68,796	.	.	4	869	5	2,056		6,083	36	15,512
Renter occupied(,000)	124	34,007	.	.	124	34,007	3	1,184	8	2,769		7,872	49	15,619
Owner occupied	69.8%	-	100%	-	<0.1%	<0.1%	56.7%	42.3%	37.5%	-		43.6%	41.8%	-
Renter occupied	30.2%	-	<0.1%	<0.1%	100%	-	43.3%	57.7%	62.5%	-		56.4%	58.2%	-
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<b>Units in Structure</b>														
1, detached	69.0%	-	88.4%	-	24.2%	-	50.7%	-	43.4%	-		44.7%	49.6%	-
1, attached	3.8%	6.8%	2.5%	5.1%	6.8%	10.2%	5.8%	-	1.7%	4.4%		7.7%	3.8%	9.5%
2 to 4	12.8%	8.3%	2.9%	2.1%	35.6%	20.9%	27.8%	13.1%	33.1%	15.1%		13.1%	29.5%	13.7%
5 to 9	5.1%	-	0.1%	0.7%	16.7%	12.9%	7.3%	9.3%	7.6%	-		7.4%	5.5%	7.6%
10 to 19	1.8%	4.3%	<0.1%	0.5%	6.0%	11.9%	1.3%	6.5%	4.4%	6.9%		6.2%	2.6%	6.8%
20 to 49	2.9%	-	0.2%	-	9.1%	-	2.8%	8.2%	4.9%	6.3%		5.2%	9.0%	6.0%
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	4.6%	6.6%	5.8%	8.2%	1.7%	3.3%	4.2%	-	4.9%	7.4%		9.7%	<0.1%	1.1%
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<b>Year Structure Built</b>														
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	17.9%	27.9%	21.2%	30.3%	10.0%	23.1%	13.5%	-	4.6%	15.1%		21.1%	3.6%	17.9%
Pre-1980	82.1%	-	78.8%	-	90.0%	-	86.5%	-	95.4%	-		78.9%	96.4%	-
Pre-1960	51.1%	38.2%	49.7%	36.6%	54.2%	41.3%	58.4%	-	67.6%	-		43.9%	82.6%	51.5%
Pre-1940	32.9%	19.0%	29.0%	16.8%	41.8%	23.5%	40.3%	-	54.0%	31.9%		22.8%	62.2%	27.8%

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	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)	299	71,499	260	59,969	38	11,530	4	1,036	6	2,545	7,306	45	17,963	
With a basement under all of house	73.8%	33.2%	74.4%	35.4%	69.8%	21.4%	69.8%	30.5%	79.6%	14.6%	26.2%	92.3%	33.3%	
With a basement under part of house	17.3%	11.5%	18.4%	12.2%	10.1%	7.9%	17.2%	11.0%	13.0%	9.3%	8.4%	4.9%	8.2%	
With a crawl space	3.1%	25.8%	3.3%	24.8%	2.3%	30.9%	7.5%	33.1%	3.5%	53.0%	33.3%	0.3%	24.2%	
On a concrete slab	5.0%	28.7%	3.4%	26.9%	16.1%	38.3%	5.5%	24.1%	3.8%	21.2%	30.7%	2.6%	33.4%	
In some other way	0.7%	-	0.6%	-	1.7%	-	<0.1%	1.5%	<0.1%	2.0%	1.4%	<0.1%	0.8%	
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<b>EXTERIOR</b>														
<b>External Building Conditions</b>														
Sagging roof	3.4%	2.5%	3.3%	2.1%	3.5%	-	7.4%	-	11.8%	9.1%	3.7%	3.4%	2.6%	
Missing roofing material	4.8%	3.8%	4.5%	3.3%	5.6%	-	10.2%	-	17.6%	10.7%	5.5%	6.5%	4.4%	
Hole in roof	2.1%	-	1.8%	-	2.8%	-	8.5%	6.4%	9.8%	-	3.5%	3.1%	2.3%	
Missing bricks, siding, other outside wall material	4.5%	2.5%	3.7%	1.9%	6.4%	3.8%	12.3%	9.0%	17.8%	10.2%	4.1%	8.0%	3.0%	
Sloping outside walls	1.5%	-	1.3%	-	1.9%	2.3%	4.1%	7.7%	8.4%	6.4%	2.9%	2.4%	1.8%	
Boarded up windows	1.7%	1.0%	1.0%	0.7%	3.5%	1.8%	5.6%	4.2%	12.9%	4.7%	2.2%	4.9%	1.6%	
Broken windows	5.5%	4.2%	4.3%	-	8.2%	5.6%	14.7%	-	25.5%	14.6%	7.2%	10.7%	5.1%	
Bars on windows	2.0%	4.8%	1.8%	3.6%	2.5%	7.3%	<0.1%	8.6%	5.0%	8.6%	7.5%	7.3%	11.4%	
Foundation crumbling or has open crack or hole	3.6%	2.9%	3.7%	2.4%	3.3%	-	10.8%	-	16.5%	10.2%	3.9%	4.1%	-	
None of the above	80.7%	-	83.5%	-	74.1%	-	76.4%	-	50.4%	-	70.6%	68.0%	-	

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	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
<b>Water Leakage During Last 12 Months</b>														
With leakage from outside structure	18.7%	12.3%	21.2%	13.3%	13.1%	10.4%	33.8%	19.8%	44.9%	30.5%		11.0%	19.9%	12.5%
Roof	7.9%	-	8.7%	6.8%	6.2%	-	25.5%	11.1%	26.0%	-		6.9%	6.3%	-
Basement	11.4%	4.2%	13.9%	5.3%	5.6%	1.9%	14.6%	4.4%	29.2%	6.5%		2.2%	14.3%	3.7%
Walls, closed windows, or doors	2.4%	-	2.2%	-	2.9%	-	4.3%	8.1%	13.2%	10.0%		3.0%	1.1%	3.0%
Other or Unknown	0.9%	1.3%	0.9%	1.3%	1.0%	1.3%	<0.1%	3.7%	1.4%	4.6%		1.1%	0.9%	1.6%
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<b>INTERIOR</b>														
<b>Damage</b>														
Holes in floors	1.3%	-	1.0%	0.7%	1.9%	-	12.3%	7.6%	14.3%	9.7%		2.9%	3.0%	1.7%
Open cracks or holes	6.0%	-	4.8%	-	8.9%	-	24.5%	18.5%	42.1%	32.1%		9.1%	9.0%	-
Broken plaster or peeling paint	2.6%	-	1.9%	-	4.2%	-	18.0%	11.5%	25.7%	-		4.6%	4.1%	-
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<b>Water Leakage During Last 12 Months</b>														
With leakage from inside structure	9.2%	-	7.3%	-	13.6%	-	21.8%	-	37.7%	27.2%		11.2%	12.2%	-
Fixtures backed up or overflowed	3.7%	-	2.9%	-	5.6%	4.4%	12.6%	8.5%	15.8%	11.5%		4.3%	5.0%	4.0%
Pipes leaked	3.9%	-	2.8%	-	6.6%	-	13.8%	-	24.2%	16.4%		5.9%	5.9%	-
Broken water heater	1.0%	-	1.1%	-	0.7%	-	5.0%	1.8%	2.6%	-		0.9%	0.6%	1.0%
Other or Unknown	1.9%	-	1.4%	1.8%	3.0%	-	1.9%	4.6%	9.4%	6.4%		2.0%	2.7%	-

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<b>Rodents</b>														
Signs of rats in last 3 mon.	0.7%	-	0.2%	0.6%	1.9%	-	3.1%	5.5%	6.8%	5.1%		2.0%	2.0%	1.6%
Signs of mice in last 3 mon.	7.5%	-	7.4%	-	7.8%	-	10.1%	15.0%	13.2%	16.7%		10.3%	9.9%	7.8%
Signs of rodents, not sure which kind in last 3 mon.	0.2%	-	0.2%	-	0.3%	0.7%	1.3%	-	1.1%	1.6%		0.7%	0.2%	0.6%
<b>Electrical</b>														
No electrical wiring	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	1.7%	<0.1%	0.1%		0.2%	<0.1%	-
Exposed wiring	0.5%	-	0.5%	-	0.4%	0.8%	3.1%	2.4%	1.7%	-		0.9%	0.5%	-
Rooms without electric outlets	2.2%	1.7%	1.9%	1.3%	3.0%	2.4%	8.4%	5.7%	5.7%	4.3%		2.6%	2.9%	1.8%
Fuses/breakers blown in last 3 mon.	35.1%	11.3%	40.9%	11.3%	21.4%	11.3%	39.7%	18.6%	43.6%	15.8%		10.1%	32.6%	11.7%
<b>Sanitation</b>														
Lacking complete kitchen facilities	1.7%	-	0.7%	-	4.2%	-	7.6%	11.3%	51.3%	31.3%		3.6%	4.0%	2.7%
Lacking some or all plumbing facilities	1.5%	-	1.5%	1.0%	1.6%	2.3%	59.5%	-	<0.1%	0.0%		2.8%	2.2%	-
Water not safe to drink	7.4%	9.9%	6.4%	-	9.6%	14.4%	14.4%	18.7%	16.7%	-		12.2%	12.4%	-
Water stoppage in last 3 mon.	3.4%	4.5%	3.3%	-	3.7%	5.6%	8.3%	-	9.0%	7.1%		5.2%	2.1%	4.4%
No flush toilets working some time in last 3 mon.	2.0%	2.8%	1.2%	1.7%	3.9%	5.0%	9.9%	-	11.6%	-		4.7%	3.3%	-
With sewage disposal breakdowns in last 3 mon.	1.3%	1.8%	1.3%	1.6%	1.4%	2.3%	4.3%	-	5.4%	-		2.2%	2.0%	-
Septic tank, cesspool, chemical toilet	22.2%	-	28.6%	-	7.4%	-	28.1%	14.8%	17.0%	21.2%		18.4%	0.1%	1.3%
With septic tank or cesspool breakdowns in last 3 mon.	0.4%	-	0.5%	-	0.2%	-	1.4%	0.4%	1.9%	0.8%		0.3%	<0.1%	-

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	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
<b>HEATING/FUEL</b>														
<b>Main Heating Equipment</b>														
Warm-air furnace	76.6%	60.3%	83.0%	65.3%	61.7%	-	70.9%	45.2%	68.8%	32.9%		52.8%	75.9%	57.4%
Steam or hot water system	15.9%	-	11.6%	-	25.7%	16.4%	20.2%	-	22.8%	12.2%		12.3%	19.7%	-
Electric heat pump	0.6%	10.7%	0.6%	11.4%	0.7%	9.4%	1.4%	4.3%	0.8%	3.8%		8.5%	0.4%	8.8%
Built-in electric units	4.9%	-	2.4%	3.3%	10.7%	7.8%	7.4%	4.1%	3.5%	-		6.0%	3.3%	-
Floor, wall, or other built-in hot air without ducts	0.7%	5.2%	0.6%	3.5%	0.9%	8.5%	<0.1%	8.3%	1.7%	5.3%		8.4%	0.4%	6.7%
Room heaters with flue	0.1%	1.6%	0.1%	1.4%	0.1%	2.0%	<0.1%	3.0%	0.8%	1.6%		3.3%	<0.1%	1.2%
Room heaters without flue	0.1%	1.7%	0.1%	1.5%	<0.1%	2.1%	<0.1%	3.0%	1.7%	35.8%		4.0%	<0.1%	1.8%
Portable electric heaters	<0.1%	0.7%	<0.1%	0.5%	<0.1%	1.0%	<0.1%	1.3%	<0.1%	1.0%		1.4%	<0.1%	0.8%
Stoves	1.0%	-	1.3%	-	0.1%	0.6%	<0.1%	4.0%	<0.1%	1.2%		1.4%	<0.1%	0.1%
Fireplace with inserts	<0.1%	0.1%	<0.1%	0.2%	<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%	0.3%	<0.1%	0.1%		0.1%	0.1%	-
Other	0.2%	-	0.2%	-	0.2%	0.5%	<0.1%	0.8%	<0.1%	0.5%		0.4%	0.3%	-
No heating equipment	<0.1%	0.5%	<0.1%	0.3%	<0.1%	-	<0.1%	1.7%	<0.1%	1.4%		-	<0.1%	-
Cooking stove	<0.1%	0.1%	<0.1%	0.1%	<0.1%	0.2%	<0.1%	0.7%	<0.1%	0.1%		0.2%	<0.1%	0.2%
<b>Water Heating Fuel</b>														
Electricity	22.7%	39.3%	20.9%	38.2%	26.7%	41.6%	17.3%	33.4%	20.8%	36.7%		41.9%	11.5%	29.6%
Gas, LP/bottled gas	75.7%	54.9%	77.2%	56.6%	72.3%	51.6%	82.7%	55.4%	76.6%	58.2%		52.9%	88.1%	63.7%
Fuel oil	1.6%	5.4%	1.9%	4.9%	0.8%	6.4%	<0.1%	11.0%	2.5%	4.6%		4.7%	0.4%	6.4%
Kerosene or other liquid fuel	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	<0.1%	<0.1%	-		-	<0.1%	-
Other	0.1%	0.3%	<0.1%	0.3%	0.2%	-	<0.1%	0.2%	<0.1%	0.5%		0.4%	<0.1%	0.3%

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Clothes Dryer Fuel(,000)	308	76,454	262	62,738	46	13,716	4	903	7	2,436		7,217	47	18,170
Electricity	65.0%	-	63.4%	-	74.6%	-	56.2%	71.6%	75.8%	-		80.2%	63.4%	-
Gas, LP gas (liquid propane)	34.9%	23.8%	36.6%	25.4%	25.4%	16.9%	43.8%	28.4%	24.2%	17.5%		19.8%	36.4%	29.0%
Other	<0.1%	-	<0.1%	-	<0.1%	0.1%	<0.1%	<0.1%	<0.1%	0.4%		0.1%	0.2%	-
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<b>Heating Problems</b>														
Uncomfortably cold for 24 hours or more last winter	6.8%	-	4.9%	-	11.9%	-	43.4%	-	18.7%	-		11.2%	12.6%	8.8%
Heating equipment breakdowns	2.8%	2.1%	2.0%	1.5%	4.7%	3.1%	34.7%	25.3%	5.2%	3.2%		3.3%	4.5%	3.2%
Other causes	3.6%	-	2.8%	3.7%	5.5%	-	9.7%	-	11.2%	-		6.2%	6.7%	4.4%
Utility interruption	0.6%	1.5%	0.5%	1.8%	0.8%	-	1.5%	-	<0.1%	1.1%		1.1%	0.7%	-
Inadequate heating capacity	0.9%	-	0.5%	-	1.8%	-	1.4%	4.3%	2.9%	4.8%		2.4%	2.2%	1.7%
Inadequate insulation	1.6%	1.0%	1.0%	0.6%	3.1%	1.6%	5.9%	2.7%	7.9%	3.8%		1.7%	3.6%	1.4%
Cost of heating	0.5%	-	0.4%	-	0.5%	-	1.5%	0.9%	1.9%	1.2%		0.8%	0.8%	0.5%
Other	1.0%	-	0.9%	-	1.3%	-	1.5%	3.4%	3.8%	-		1.9%	1.7%	1.3%
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<b>SELECTED PHYSICAL PROBLEMS</b>														
Severe Physical Problems(,000)	7	2,053	4	869	3	1,184	7	2,053	.	.		598	2	963
Severe physical problems	1.8%	-	1.5%	-	2.6%	3.5%	100%	-	.	.		4.3%	2.6%	3.1%
Plumbing	1.1%	1.4%	0.9%	-	1.5%	2.3%	59.5%	-	.	.		2.8%	1.6%	-
Heating	0.6%	-	0.4%	-	1.1%	-	34.7%	23.9%	.	.		1.1%	0.7%	0.9%
Electric	0.1%	-	0.1%	-	<0.1%	0.1%	4.7%	-	.	.		0.3%	0.3%	-
Hallways	<0.1%	-	<0.1%	0.0%	<0.1%	-	<0.1%	0.3%	.	.		0.0%	<0.1%	-
Upkeep	0.1%	-	<0.1%	-	0.3%	-	5.5%	4.4%	.	.		0.4%	0.2%	-

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Moderate Physical Problems(,000)	13	4,826	5	2,056	8	2,769	.	.	13	4,826		1,306	5	1,967
Moderate physical problems	3.1%	4.7%	1.7%	3.0%	6.4%	8.1%	.	.	100%	-		9.4%	6.3%	-
Plumbing	0.1%	-	<0.1%	-	0.3%	-	.	.	4.2%	-		0.5%	0.2%	-
Heating	0.1%	1.7%	0.1%	1.5%	<0.1%	2.0%	.	.	1.7%	35.8%		3.8%	<0.1%	1.7%
Upkeep	1.6%	-	0.7%	-	3.8%	-	.	.	51.3%	31.3%		2.8%	3.5%	2.4%
Hallways	0.1%	-	<0.1%	-	0.3%	-	.	.	3.2%	-		0.2%	0.4%	-
Kitchen	1.4%	-	0.9%	-	2.4%	-	.	.	43.9%	30.6%		2.8%	2.4%	-
<hr/>														
<b>OVERALL OPINION OF STRUCTURE</b>														
1(worst)	0.3%	0.6%	0.2%	-	0.5%	1.2%	5.6%	4.4%	0.9%	2.8%		1.7%	0.5%	0.9%
2	0.2%	-	0.2%	-	0.4%	0.7%	<0.1%	1.2%	0.9%	1.6%		0.8%	0.6%	-
3	0.6%	-	0.3%	-	1.4%	-	<0.1%	3.4%	3.6%	-		1.7%	1.2%	0.9%
4	1.1%	-	0.7%	-	2.2%	2.8%	4.2%	-	8.7%	4.3%		2.4%	2.9%	1.9%
5	6.4%	-	5.1%	-	9.3%	-	11.0%	13.9%	15.8%	-		10.6%	11.6%	8.1%
6	5.5%	-	4.4%	-	8.1%	-	6.3%	-	6.3%	8.7%		6.6%	7.3%	-
7	14.6%	-	12.7%	-	19.1%	-	14.6%	-	21.5%	15.1%		13.1%	18.3%	-
8	28.6%	-	28.3%	-	29.5%	-	27.3%	-	16.3%	21.5%		22.6%	26.4%	-
9	15.1%	-	17.1%	-	10.2%	-	10.4%	7.8%	5.5%	8.9%		11.6%	12.0%	-
10(best)	27.6%	-	31.2%	-	19.3%	-	20.5%	-	20.5%	-		29.2%	19.3%	-

\* = 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/](http://www.healthyhometraining.org/ahs/) for more info.