

**American Housing Survey - Selected Elements Related to Healthy Homes
1998 Rochester, NY and 1999 National**

National statistic only reported if Metropolitan Statistical Area (MSA) is $\geq 20\%$ (relative) and 0.25% (absolute) different from national (otherwise "-" is listed).

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	
GENERAL														
Owner occupied(,000)		68,796		68,796		.		869		2,056		6,083		15,512
Renter occupied(,000)		34,007		.		34,007		1,184		2,769		7,872		15,619
Owner occupied		66.9%		100%		<0.1%		42.3%		42.6%		43.6%		49.8%
Renter occupied		33.1%		<0.1%		100%		57.7%		57.4%		56.4%		50.2%
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Units in Structure														
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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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	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%	

<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>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>
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 leak	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 leak	2.4%	-	2.2%	-	2.9%	-	4.3%	8.1%	13.2%	10.0%	3.0%	1.1%	3.0%	
Other or Unknown exterior Leak	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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INTERIOR														
Damage														
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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Water Leakage During Last 12 Months														
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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Rodents														
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%	

<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>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>
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%	
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Electrical														
No electrical wiring	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	1.7%	<0.1%	0.1%	0.2%	<0.1%	-	
Exposed wiring	0.5%	-	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%	
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Sanitation														
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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HEATING/FUEL														
Main Heating Equipment														
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%	-	

<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>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>
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%	
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Water Heating Fuel														
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%	
Clothes Dryer,(000)	308	76,454	262	62,738	46	13,716	4	903	7	2,436	7,217	47	18,170	
Have Clothes Dryer	75.2%	-	91.6%	-	37.3%	-	58.5%	44.0%	54.5%	-	51.7%	55.5%	-	
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%	-	

Heating Problems

<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>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>
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%	

SELECTED PHYSICAL PROBLEMS

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%	-
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%	-

<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>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>	<i>MSA</i>	<i>National</i>
OVERALL OPINION OF STRUCTURE														
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%	-	

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