

**American Housing Survey - Selected Elements Related to Healthy Homes
Minneapolis-Saint Paul, MN in 2007 and 1998**

1998 is only reported if >=5% (relative) and 0.1% (absolute) different from 2007 (otherwise "-" is listed).

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998
Total Occupied Units(,000)	1,230	1,112	909	812	321	300	19	12	18	42	88	<1	153	165
GENERAL														
Owner occupied(,000)	909	812	909	812	.	.	7	4	6	18	26	.	74	85
Renter occupied(,000)	321	300	.	.	321	300	12	8	12	25	62	.	80	81
Owner occupied	73.9%	-	100%	-	.	.	38.8%	34.6%	32.4%	41.2%	29.5%	<0.1%	48.2%	51.2%
Renter occupied	26.1%	-	.	.	100%	-	61.2%	65.4%	67.6%	58.8%	70.5%	<0.1%	51.8%	48.8%
Units in Structure														
1, detached	64.4%	-	82.4%	-	13.6%	11.7%	38.5%	-	27.6%	40.8%	31.1%	0.1%	46.9%	-
1, attached	10.5%	7.0%	10.1%	6.4%	11.5%	8.5%	9.6%	7.0%	10.4%	4.7%	8.8%	0.1%	3.4%	-
2 to 4	4.3%	5.8%	1.4%	-	12.3%	16.0%	18.5%	13.1%	9.5%	13.3%	10.5%	0.1%	13.0%	15.4%
5 to 9	1.6%	-	0.5%	-	4.9%	7.9%	<0.1%	7.8%	<0.1%	6.3%	3.9%	-	1.6%	5.4%
10 to 19	3.7%	-	0.4%	-	13.0%	15.6%	3.2%	21.5%	16.3%	9.2%	8.9%	0.1%	7.9%	9.2%
20 to 49	5.1%	5.8%	0.8%	-	17.4%	19.7%	12.7%	3.3%	13.3%	16.2%	12.2%	0.1%	9.8%	8.7%
50 or more	8.0%	6.2%	1.5%	-	26.3%	20.1%	17.5%	7.7%	18.5%	7.1%	21.8%	0.1%	17.4%	11.0%
Manufactured /mobile home or trailer	2.4%	-	2.9%	-	1.0%	-	<0.1%	-	4.3%	-	2.8%	-	<0.1%	-
Year Structure Built														
Post-2000	10.8%	<0.1%	11.5%	<0.1%	8.9%	<0.1%	6.2%	<0.1%	10.0%	<0.1%	7.9%	0.1%	4.8%	-
Post-1980	43.5%	31.6%	47.2%	35.3%	33.0%	21.5%	21.7%	13.3%	27.3%	12.4%	29.6%	0.1%	11.8%	7.2%
Pre-1980	56.5%	68.4%	52.8%	64.7%	67.0%	78.5%	78.3%	86.7%	72.7%	87.6%	70.4%	0.1%	88.2%	92.8%
Pre-1960	29.4%	36.8%	29.4%	37.0%	29.4%	36.5%	42.5%	63.5%	47.1%	58.0%	31.9%	0.1%	70.0%	76.5%
Pre-1940	14.4%	19.0%	14.1%	18.2%	15.2%	21.0%	29.8%	37.3%	28.5%	36.0%	16.1%	0.1%	47.4%	56.5%

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998
Foundation (for 1-unit not manufactured)														
1-Unit not manufactured(,000)	921	810	840	750	81	60	9	6	7	19	35	<1	77	83
With a basement under all of house	71.8%	-	72.8%	-	61.9%	57.6%	68.0%	85.1%	72.6%	-	68.3%	0.1%	79.5%	-
With a basement under part of house	16.0%	-	16.2%	-	13.4%	11.6%	18.6%	4.9%	8.9%	17.0%	14.8%	0.1%	18.2%	13.2%
With a crawl space	2.9%	-	2.9%	-	3.6%	-	<0.1%	-	8.7%	4.7%	3.3%	-	0.7%	-
On a concrete slab	8.7%	7.1%	7.6%	5.9%	20.5%	22.1%	13.5%	10.0%	9.8%	2.7%	13.7%	0.1%	1.5%	-
In some other way	0.6%	-	0.6%	-	0.6%	6.8%	<0.1%	-	<0.1%	4.3%	<0.1%	-	<0.1%	0.7%
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EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	1.9%	-	1.6%	-	5.0%	3.3%	13.6%	5.2%	13.9%	13.1%	5.1%	0.1%	6.0%	8.1%
Missing roofing material	5.7%	7.0%	5.5%	6.8%	8.6%	10.1%	33.3%	10.5%	33.1%	28.5%	5.0%	0.1%	10.4%	7.5%
Hole in roof	1.4%	-	1.0%	-	4.9%	-	20.2%	<0.1%	36.7%	15.5%	3.1%	-	6.0%	3.1%
Missing bricks, siding, other outside wall material	2.9%	-	2.8%	-	3.8%	7.7%	25.2%	<0.1%	14.0%	10.9%	3.2%	-	10.6%	7.1%
Sloping outside walls	1.2%	-	1.0%	-	2.8%	-	12.7%	5.0%	7.1%	6.0%	4.9%	-	4.5%	-
Boarded up windows	0.5%	-	0.5%	-	0.7%	-	<0.1%	-	7.1%	1.4%	<0.1%	-	0.7%	-
Broken windows	3.8%	5.3%	3.4%	5.1%	8.0%	7.3%	18.3%	10.2%	25.3%	19.3%	5.1%	0.1%	9.9%	14.3%
Bars on windows	1.4%	-	1.5%	-	0.6%	-	6.2%	<0.1%	7.5%	4.4%	1.5%	-	5.2%	-
Foundation crumbling or has open crack or hole	3.0%	-	2.8%	-	5.5%	10.8%	33.8%	<0.1%	22.8%	19.8%	8.4%	0.1%	10.7%	-
None of the above	82.0%	-	82.9%	-	73.1%	64.2%	43.8%	74.8%	37.6%	44.1%	71.5%	0.1%	58.4%	62.4%
None of the above(excluding bars)	82.9%	-	83.8%	-	73.1%	64.7%	43.8%	74.8%	45.2%	-	71.5%	0.1%	61.9%	65.7%

<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>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>
Water Leakage During Last 12 Months														
With leakage from outside structure	10.3%	22.9%	11.3%	25.2%	7.3%	16.5%	23.7%	18.8%	23.8%	55.4%	7.9%	0.1%	11.6%	23.1%
Roof	3.8%	10.5%	4.5%	11.9%	2.0%	7.0%	13.5%	12.5%	11.0%	34.9%	2.6%	-	3.3%	11.9%
Basement leak	4.2%	11.9%	5.1%	14.2%	1.8%	5.8%	7.3%	12.6%	13.9%	32.7%	2.9%	-	4.8%	12.4%
Walls, closed windows, or doors leak	2.3%	6.9%	2.2%	6.9%	2.6%	7.1%	10.4%	2.8%	<0.1%	28.3%	1.9%	-	2.0%	6.8%
Other or Unknown exterior Leak	1.0%	-	0.9%	-	1.3%	-	<0.1%	-	7.4%	8.2%	0.6%	-	2.2%	-
INTERIOR														
Damage														
Holes in floors	1.0%	-	0.7%	-	1.9%	-	18.3%	7.4%	10.8%	7.5%	3.5%	-	3.3%	-
Open cracks or holes	3.9%	6.9%	3.1%	5.5%	6.4%	10.9%	30.5%	23.0%	36.8%	48.0%	6.9%	0.1%	8.8%	15.4%
Broken plaster or peeling paint	2.0%	-	1.3%	-	4.1%	7.6%	27.4%	12.2%	25.7%	38.9%	2.0%	-	4.9%	7.9%
Water Leakage During Last 12 Months														
With leakage from inside structure	8.0%	10.8%	6.8%	8.8%	11.4%	16.2%	23.0%	21.0%	28.6%	45.1%	9.4%	0.1%	10.6%	14.5%
Fixtures backed up or overflowed	1.7%	-	1.3%	-	2.7%	-	3.7%	11.3%	14.6%	23.2%	3.1%	-	2.4%	-
Pipes leaked	3.3%	-	2.9%	-	4.4%	8.9%	10.0%	6.5%	16.1%	26.1%	3.6%	-	2.8%	6.6%
Broken water heater	0.6%	-	0.7%	-	0.2%	-	<0.1%	-	<0.1%	5.9%	<0.1%	-	1.2%	-
Other or Unknown	2.9%	-	2.2%	-	5.0%	4.5%	10.3%	9.6%	<0.1%	13.8%	2.9%	-	5.0%	-
Rodents														
Signs of rats in last 3 mon.	0.1%	-	0.2%	-	<0.1%	0.3%	6.6%	<0.1%	<0.1%	2.3%	<0.1%	-	<0.1%	0.2%

<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>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>
Signs of mice in last 3 mon.	6.1%	-	6.3%	5.6%	5.6%	7.5%	15.2%	7.8%	6.3%	17.0%	6.6%	0.1%	7.7%	9.8%
Signs of rodents, not sure which kind in last 3 mon.	0.2%	-	0.1%	-	0.6%	-	<0.1%	5.0%	3.5%	-	0.7%	-	1.2%	-
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Electrical														
No electrical wiring	<0.1%	-	0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
Exposed wiring	0.5%	-	0.4%	-	0.6%	-	3.1%	-	3.2%	-	0.4%	-	0.8%	-
Rooms without electric outlets	0.5%	-	0.5%	-	0.5%	-	<0.1%	-	<0.1%	1.5%	1.8%	-	<0.1%	1.8%
Fuses/breakers blown in last 3 mon.	12.1%	43.3%	12.5%	50.6%	10.9%	23.1%	26.8%	45.4%	24.9%	48.2%	8.1%	0.1%	12.4%	39.4%
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Sanitation														
Lacking complete kitchen facilities	0.9%	-	0.2%	-	2.7%	-	9.0%	15.8%	52.4%	43.1%	2.6%	-	3.2%	-
Lacking some or all plumbing facilities	1.0%	-	0.5%	-	2.5%	-	64.2%	50.9%	<0.1%	0.7%	2.0%	-	5.3%	2.4%
Water not safe to drink	5.5%	8.8%	4.8%	7.0%	7.5%	13.8%	9.0%	18.6%	10.2%	20.9%	8.1%	0.1%	5.9%	12.5%
Water stoppage in last 3 mon.	2.9%	5.4%	1.8%	-	5.9%	7.3%	9.6%	14.4%	11.6%	9.3%	6.2%	0.1%	6.9%	5.2%
No flush toilets working some time in last 3 mon.	1.0%	-	0.2%	-	3.2%	5.6%	6.4%	7.4%	16.4%	10.9%	4.1%	-	2.7%	-
With sewage disposal breakdowns in last 3 mon.	1.2%	-	1.2%	-	1.1%	-	2.9%	-	9.2%	3.2%	1.2%	-	2.1%	-
Septic tank, cesspool, chemical toilet	11.1%	-	14.2%	-	2.1%	-	6.1%	4.5%	<0.1%	8.6%	5.9%	0.1%	<0.1%	0.5%
With septic tank or cesspool breakdowns in last 3 mon.	0.1%	-	0.2%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
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HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	77.5%	-	88.2%	-	47.3%	-	63.2%	44.4%	50.3%	54.4%	57.6%	0.1%	52.9%	58.4%

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998
	Steam or hot water system	17.4%	20.4%	9.5%	11.0%	39.7%	45.9%	33.8%	48.2%	38.2%	40.3%	30.1%	0.1%	41.4%
Electric heat pump	0.4%	-	0.2%	-	1.1%	-	<0.1%	2.5%	3.3%	-	1.3%	-	1.1%	-
Built-in electric units	2.8%	-	0.7%	-	8.6%	6.4%	<0.1%	2.2%	<0.1%	3.9%	6.3%	0.1%	1.5%	-
Floor, wall, or other built-in hot air without ducts	1.0%	-	0.5%	-	2.3%	-	2.9%	-	1.7%	-	2.7%	-	1.2%	-
Room heaters with flue	<0.1%	-	0.1%	-	<0.1%	0.3%	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	0.2%
Portable electric heaters	0.1%	-	<0.1%	-	0.2%	-	<0.1%	2.7%	3.2%	-	<0.1%	-	0.4%	-
Stoves	0.1%	-	0.1%	-	<0.1%	-	<0.1%	-	<0.1%	1.3%	<0.1%	-	<0.1%	-
Fireplace with inserts	<0.1%	-	0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
Other	0.4%	-	0.4%	-	0.4%	-	<0.1%	-	<0.1%	-	1.3%	-	1.1%	-
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Water Heating Fuel														
Electricity	17.8%	15.7%	13.7%	-	29.7%	22.6%	15.6%	2.6%	20.1%	15.2%	29.4%	0.1%	14.7%	8.6%
Gas, LP/bottled gas	82.0%	-	86.1%	-	70.3%	75.4%	84.4%	97.4%	79.9%	84.2%	70.6%	0.1%	85.3%	91.2%
Fuel oil	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
Other	0.2%	-	0.2%	-	0.1%	-	<0.1%	-	<0.1%	0.7%	<0.1%	-	<0.1%	-
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Clothes Dryer(,000)	1,011	845	882	765	129	80	12	6	10	21	45	<1	89	91
Have Clothes Dryer	82.2%	76.0%	97.1%	-	40.0%	26.6%	63.5%	52.3%	55.3%	50.6%	51.8%	0.1%	58.0%	55.0%
Electricity	49.5%	45.0%	46.4%	43.0%	70.8%	64.3%	53.4%	40.5%	59.4%	45.8%	68.7%	0.1%	41.0%	31.6%
Gas, LP gas (liquid propane)	50.4%	55.0%	53.6%	57.0%	28.8%	35.7%	46.6%	59.5%	40.6%	54.2%	30.0%	0.1%	59.0%	68.4%
Other	0.1%	-	<0.1%	-	0.4%	-	<0.1%	-	<0.1%	-	1.3%	-	<0.1%	-
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Heating Problems														
Uncomfortably cold for 24 hours or more last winter	6.1%	7.9%	4.6%	5.6%	11.0%	15.2%	40.1%	60.3%	12.6%	22.9%	7.9%	0.1%	11.1%	10.4%
Heating equipment breakdowns	2.2%	-	1.6%	-	4.0%	-	26.7%	47.9%	<0.1%	8.1%	3.0%	-	2.3%	-
Other causes	3.5%	-	2.9%	-	4.9%	7.4%	9.0%	19.5%	9.6%	12.6%	3.8%	-	7.2%	4.4%

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998	2007	1998
Utility interruption	0.4%	-	0.3%	-	0.6%	-	<0.1%	2.7%	<0.1%	0.7%	<0.1%	-	0.4%	-
Inadequate heating capacity	0.6%	-	0.2%	-	1.8%	-	<0.1%	3.0%	6.6%	2.2%	2.6%	-	2.7%	-
Inadequate insulation	0.5%	-	0.5%	-	0.6%	-	6.2%	5.8%	<0.1%	4.7%	0.7%	-	1.6%	-
Cost of heating	0.8%	-	1.0%	-	<0.1%	0.4%	3.2%	6.4%	3.4%	-	<0.1%	-	1.2%	-
Other	1.5%	-	1.3%	-	2.3%	-	<0.1%	5.1%	3.4%	6.2%	0.6%	-	2.1%	-
SELECTED PHYSICAL PROBLEMS														
Severe Physical Problems(,000)	19	12	7	4	12	8	19	12	.	.	3	.	9	5
Severe physical problems	1.6%	-	0.8%	-	3.6%	-	100%	-	.	.	3.3%	<0.1%	6.1%	3.2%
Plumbing	1.0%	-	0.5%	-	2.5%	-	64.2%	50.9%	.	.	2.0%	<0.1%	5.3%	2.1%
Heating	0.4%	-	0.2%	-	0.9%	-	26.7%	46.3%	.	.	1.3%	<0.1%	0.8%	-
Electric	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	2.4%	.	.	<0.1%	<0.1%	<0.1%	0.2%
Hallways	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	.	.	<0.1%	<0.1%	<0.1%	-
Upkeep	0.1%	-	0.1%	-	0.2%	-	9.1%	2.5%	.	.	<0.1%	<0.1%	<0.1%	-
Moderate Physical Problems(,000)	18	42	6	18	12	25	.	.	18	42	2	.	6	13
Moderate physical problems	1.4%	-	0.6%	-	3.7%	8.3%	.	.	100%	-	1.9%	<0.1%	3.9%	7.7%
Plumbing	0.1%	-	0.1%	-	0.3%	-	.	.	8.1%	4.4%	<0.1%	<0.1%	0.3%	-
Heating	<0.1%	-	0.1%	-	<0.1%	-	.	.	3.4%	-	<0.1%	<0.1%	<0.1%	-
Upkeep	0.8%	-	0.2%	-	2.2%	-	.	.	52.4%	43.1%	1.3%	<0.1%	2.4%	-
Hallways	<0.1%	-	<0.1%	-	<0.1%	-	.	.	<0.1%	1.3%	<0.1%	<0.1%	<0.1%	0.3%
Kitchen	0.5%	-	0.3%	-	1.3%	-	.	.	36.2%	54.6%	0.6%	<0.1%	1.1%	-
OVERALL OPINION OF STRUCTURE														
1(worst)	0.3%	-	0.2%	-	0.6%	-	3.4%	7.6%	4.6%	-	0.8%	-	0.4%	-

<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>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>	<i>2007</i>	<i>1998</i>
	2	0.2%	-	0.1%	-	0.6%	-	3.4%	-	<0.1%	-	0.7%	-	0.8%
3	0.7%	-	0.4%	-	1.4%	-	6.6%	2.3%	7.0%	2.3%	0.7%	-	0.8%	-
4	0.8%	-	0.3%	-	2.1%	-	<0.1%	-	3.8%	5.4%	2.3%	-	1.6%	-
5	5.0%	5.9%	3.5%	-	9.2%	10.6%	6.6%	13.8%	14.0%	10.2%	14.2%	0.1%	7.2%	9.0%
6	4.6%	5.8%	3.7%	-	7.4%	10.2%	9.9%	20.4%	<0.1%	7.7%	6.7%	0.1%	4.7%	6.5%
7	15.2%	-	14.0%	-	18.9%	20.1%	10.0%	17.1%	13.9%	25.0%	12.9%	0.1%	18.8%	-
8	31.3%	29.0%	32.2%	29.7%	28.7%	27.2%	29.9%	19.7%	26.7%	24.7%	21.3%	0.1%	29.6%	-
9	17.4%	-	19.1%	-	12.7%	9.1%	6.3%	6.9%	13.5%	9.1%	10.1%	0.1%	13.0%	12.3%
10(best)	24.5%	-	26.6%	-	18.3%	15.7%	24.0%	9.0%	16.5%	12.6%	30.3%	0.1%	23.1%	17.2%

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