

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

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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)	1,230	110,692	909	75,647	321	35,045	19	1,806	18	3,965	88	14,159	153	31,451
GENERAL														
Owner occupied(,000)		75,647		75,647		.		729		1,565		5,568		16,315
Renter occupied(,000)		35,045		.		35,045		1,077		2,401		8,591		15,136
Owner occupied		68.3%		100%		<0.1%		40.4%		39.5%		39.3%		51.9%
Renter occupied		31.7%		<0.1%		100%		59.6%		60.5%		60.7%		48.1%
Units in Structure														
1, detached	64.4%	-	82.4%	-	13.6%	25.5%	38.5%	-	27.6%	45.3%	31.1%	41.2%	46.9%	-
1, attached	10.5%	5.5%	10.1%	5.3%	11.5%	5.8%	9.6%	5.7%	10.4%	3.0%	8.8%	5.4%	3.4%	7.3%
2 to 4	4.3%	7.9%	1.4%	1.9%	12.3%	21.0%	18.5%	13.2%	9.5%	15.9%	10.5%	14.4%	13.0%	-
5 to 9	1.6%	4.6%	0.5%	0.8%	4.9%	13.0%	<0.1%	7.6%	<0.1%	9.7%	3.9%	9.4%	1.6%	7.5%
10 to 19	3.7%	-	0.4%	-	13.0%	-	3.2%	8.7%	16.3%	7.4%	8.9%	6.1%	7.9%	-
20 to 49	5.1%	3.3%	0.8%	-	17.4%	9.1%	12.7%	7.7%	13.3%	7.4%	12.2%	6.4%	9.8%	6.3%
50 or more	8.0%	3.6%	1.5%	1.0%	26.3%	9.3%	17.5%	7.5%	18.5%	5.8%	21.8%	7.0%	17.4%	8.3%
Manufactured /mobile home or trailer	2.4%	6.3%	2.9%	7.2%	1.0%	4.3%	<0.1%	6.2%	4.3%	5.4%	2.8%	10.1%	<0.1%	1.3%
Year Structure Built														
Post-2000	10.8%	-	11.5%	-	8.9%	6.8%	6.2%	3.9%	10.0%	3.8%	7.9%	6.1%	4.8%	-
Post-1980	43.5%	-	47.2%	-	33.0%	-	21.7%	-	27.3%	20.0%	29.6%	-	11.8%	23.0%
Pre-1980	56.5%	-	52.8%	-	67.0%	-	78.3%	-	72.7%	-	70.4%	-	88.2%	-
Pre-1960	29.4%	-	29.4%	-	29.4%	35.6%	42.5%	-	47.1%	-	31.9%	-	70.0%	45.5%
Pre-1940	14.4%	-	14.1%	-	15.2%	19.9%	29.8%	-	28.5%	-	16.1%	19.4%	47.4%	24.6%

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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
Foundation (for 1-unit not manufactured)														
1-Unit not manufactured(,000)	921	77,517	840	66,554	81	10,963	9	887	7	1,916	35	6,602	77	17,830
With a basement under all of house	71.8%	33.1%	72.8%	34.6%	61.9%	24.1%	68.0%	31.3%	72.6%	15.8%	68.3%	26.9%	79.5%	32.8%
With a basement under part of house	16.0%	10.7%	16.2%	11.3%	13.4%	7.1%	18.6%	10.7%	8.9%	-	14.8%	8.1%	18.2%	8.1%
With a crawl space	2.9%	23.3%	2.9%	22.5%	3.6%	28.8%	<0.1%	30.9%	8.7%	48.5%	3.3%	29.7%	0.7%	22.0%
On a concrete slab	8.7%	31.5%	7.6%	30.4%	20.5%	38.1%	13.5%	24.2%	9.8%	20.6%	13.7%	32.7%	1.5%	35.9%
In some other way	0.6%	1.4%	0.6%	1.3%	0.6%	2.0%	<0.1%	3.0%	<0.1%	4.7%	<0.1%	2.7%	<0.1%	1.2%
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EXTERIOR														
External Building Conditions														
Sagging roof	1.9%	-	1.6%	-	5.0%	-	13.6%	8.4%	13.9%	-	5.0%	-	6.0%	2.7%
Missing roofing material	5.7%	-	5.5%	-	8.5%	6.4%	33.3%	11.3%	33.1%	15.9%	4.9%	7.7%	10.4%	5.1%
Hole in roof	1.4%	-	1.0%	-	4.9%	3.4%	20.2%	10.9%	36.7%	12.5%	3.0%	-	6.0%	2.1%
Missing bricks, siding, other outside wall material	2.9%	-	2.8%	2.1%	3.8%	5.2%	25.2%	12.9%	14.0%	-	3.2%	5.6%	10.6%	3.0%
Sloping outside walls	1.2%	-	1.0%	-	2.8%	3.6%	12.7%	8.5%	7.1%	9.0%	4.8%	3.1%	4.5%	1.7%
Boarded up windows	0.5%	1.0%	0.5%	0.8%	0.7%	2.2%	<0.1%	5.6%	7.1%	5.7%	<0.1%	3.1%	0.7%	1.5%
Broken windows	3.8%	-	3.4%	-	8.0%	-	18.3%	-	25.3%	15.4%	5.1%	7.8%	9.9%	4.3%
Bars on windows	1.4%	3.7%	1.5%	3.5%	0.6%	5.0%	6.2%	-	7.5%	9.1%	1.5%	6.5%	5.2%	10.2%
Foundation crumbling or has open crack or hole	3.0%	-	2.8%	-	5.5%	-	33.8%	8.7%	22.8%	12.8%	8.3%	4.2%	10.7%	3.4%
None of the above	63.4%	-	79.0%	-	19.3%	26.4%	21.0%	34.3%	15.9%	28.6%	31.2%	40.9%	29.4%	43.6%

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<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>
Water Leakage During Last 12 Months														
With leakage from outside structure	10.3%	-	11.3%	-	7.3%	9.2%	23.7%	-	23.8%	-	7.9%	9.8%	11.6%	-
Roof	3.8%	5.0%	4.5%	-	2.0%	4.6%	13.5%	-	11.0%	19.2%	2.6%	5.4%	3.3%	5.1%
Basement leak	4.2%	-	5.1%	-	1.8%	-	7.3%	4.4%	13.9%	7.3%	2.9%	2.3%	4.8%	3.6%
Walls, closed windows, or doors leak	2.3%	1.8%	2.2%	1.5%	2.6%	-	10.4%	6.2%	<0.1%	7.4%	1.9%	-	2.0%	-
Other or Unknown exterior Leak	1.0%	-	0.9%	-	1.3%	-	<0.1%	1.9%	7.4%	3.3%	0.6%	1.1%	2.2%	1.4%
<hr/>														
INTERIOR														
Damage														
Holes in floors	1.0%	-	0.7%	-	1.9%	-	18.3%	8.7%	10.8%	-	3.5%	2.7%	3.3%	1.4%
Open cracks or holes	3.9%	4.8%	3.1%	-	6.4%	-	30.5%	19.1%	36.8%	-	6.9%	-	8.8%	6.4%
Broken plaster or peeling paint	2.0%	-	1.3%	-	4.1%	3.2%	27.4%	10.4%	25.7%	19.3%	2.0%	3.7%	4.9%	3.1%
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Water Leakage During Last 12 Months														
With leakage from inside structure	8.0%	-	6.8%	-	11.4%	-	23.0%	17.6%	28.6%	-	9.4%	-	10.6%	-
Fixtures backed up or overflowed	1.7%	2.2%	1.3%	1.8%	2.7%	-	3.7%	5.1%	14.6%	8.9%	3.1%	-	2.4%	-
Pipes leaked	3.3%	-	2.9%	-	4.4%	-	10.0%	-	16.1%	-	3.6%	5.0%	2.8%	4.0%
Broken water heater	0.6%	-	0.7%	-	0.2%	0.9%	<0.1%	1.3%	<0.1%	2.4%	<0.1%	0.8%	1.2%	0.7%
Other or Unknown	2.9%	2.1%	2.2%	1.7%	5.0%	3.0%	10.3%	5.0%	<0.1%	8.3%	2.9%	-	5.0%	2.7%

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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
Rodents														
Signs of rats in last 3 mon.	0.1%	0.7%	0.2%	0.6%	<0.1%	1.1%	6.6%	-	<0.1%	3.7%	<0.1%	1.6%	<0.1%	1.2%
Signs of mice in last 3 mon.	6.1%	-	6.3%	-	5.6%	-	15.2%	-	6.3%	12.5%	6.6%	8.2%	7.7%	5.6%
Signs of rodents, not sure which kind in last 3 mon.	0.2%	-	0.1%	-	0.6%	-	<0.1%	3.0%	3.5%	1.5%	0.7%	-	1.2%	0.7%
Electrical														
No electrical wiring	<0.1%	-	0.1%	-	<0.1%	-	<0.1%	2.4%	<0.1%	0.0%	<0.1%	0.1%	<0.1%	-
Exposed wiring	0.5%	1.0%	0.4%	0.8%	0.6%	1.4%	3.1%	-	3.2%	1.9%	0.4%	1.5%	0.8%	1.2%
Rooms without electric outlets	0.5%	1.3%	0.5%	1.1%	0.5%	1.8%	<0.1%	7.8%	<0.1%	3.1%	1.8%	2.4%	<0.1%	1.6%
Fuses/breakers blown in last 3 mon.	12.1%	9.2%	12.5%	9.2%	10.9%	-	26.8%	15.1%	24.9%	15.9%	8.1%	-	12.4%	9.7%
Sanitation														
Lacking complete kitchen facilities	0.9%	1.6%	0.2%	-	2.7%	4.1%	9.0%	-	52.4%	39.4%	2.6%	3.6%	3.2%	-
Lacking some or all plumbing facilities	1.0%	-	0.5%	0.7%	2.5%	-	64.2%	-	<0.1%	0.0%	2.0%	2.4%	5.3%	1.7%
Water not safe to drink	5.5%	8.1%	4.8%	6.5%	7.5%	11.6%	9.0%	15.0%	10.2%	13.8%	8.1%	11.5%	5.9%	10.0%
Water stoppage in last 3 mon.	2.9%	-	1.8%	2.9%	5.9%	4.7%	9.6%	-	11.6%	6.3%	6.2%	3.9%	6.9%	3.4%
No flush toilets working some time in last 3 mon.	1.0%	2.0%	0.2%	1.1%	3.2%	3.9%	6.4%	-	16.4%	9.9%	4.1%	-	2.7%	-
With sewage disposal breakdowns in last 3 mon.	1.2%	-	1.2%	-	1.1%	1.7%	2.9%	3.9%	9.2%	3.9%	1.2%	1.7%	2.1%	1.5%
Septic tank, cesspool, chemical toilet	11.1%	20.0%	14.2%	25.8%	2.1%	7.6%	6.1%	15.1%	<0.1%	17.6%	5.9%	14.7%	<0.1%	1.2%
With septic tank or cesspool breakdowns in last 3 mon.	0.1%	-	0.2%	-	<0.1%	0.2%	<0.1%	1.3%	<0.1%	0.3%	<0.1%	0.3%	<0.1%	-

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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
HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	77.5%	-	88.2%	67.4%	47.3%	-	63.2%	44.3%	50.3%	39.7%	57.6%	-	52.9%	-
Steam or hot water system	17.4%	11.5%	9.5%	-	39.7%	15.0%	33.8%	21.9%	38.2%	11.2%	30.1%	12.8%	41.4%	16.5%
Electric heat pump	0.4%	11.7%	0.2%	12.6%	1.1%	9.8%	<0.1%	7.3%	3.3%	4.5%	1.3%	8.5%	1.1%	8.5%
Built-in electric units	2.8%	4.3%	0.7%	2.8%	8.6%	-	<0.1%	5.2%	<0.1%	5.1%	6.3%	-	1.5%	3.8%
Floor, wall, or other built-in hot air without ducts	1.0%	4.5%	0.5%	2.7%	2.3%	8.4%	2.9%	7.8%	1.7%	4.9%	2.7%	6.7%	1.2%	6.4%
Room heaters with flue	<0.1%	1.0%	0.1%	0.9%	<0.1%	1.3%	<0.1%	2.0%	<0.1%	1.4%	<0.1%	1.9%	<0.1%	0.7%
Room heaters without flue	<0.1%	1.1%	0.1%	1.0%	<0.1%	1.3%	<0.1%	2.8%	3.4%	28.7%	<0.1%	2.5%	<0.1%	0.9%
Portable electric heaters	0.1%	0.9%	<0.1%	0.6%	0.2%	1.7%	<0.1%	3.6%	3.2%	-	<0.1%	1.8%	0.4%	1.3%
Stoves	0.1%	0.9%	0.1%	1.0%	<0.1%	0.4%	<0.1%	3.3%	<0.1%	0.7%	<0.1%	1.1%	<0.1%	<0.1%
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	0.4%	-	0.4%	-	0.4%	-	<0.1%	0.4%	<0.1%	0.4%	1.3%	0.9%	1.1%	0.5%
No heating equipment	0.1%	0.4%	<0.1%	0.3%	0.4%	0.7%	<0.1%	0.5%	<0.1%	0.6%	0.7%	-	0.4%	0.7%
Cooking stove	<0.1%	0.1%	<0.1%	-	<0.1%	0.2%	<0.1%	0.6%	<0.1%	0.1%	<0.1%	0.2%	<0.1%	0.2%
Water Heating Fuel														
Electricity	17.8%	40.0%	13.7%	37.9%	29.7%	44.5%	15.6%	35.9%	20.1%	39.9%	29.4%	45.9%	14.7%	29.6%
Gas, LP/bottled gas	82.0%	55.2%	86.1%	57.5%	70.3%	50.1%	84.4%	53.7%	79.9%	55.7%	70.6%	49.5%	85.3%	64.4%
Fuel oil	<0.1%	4.5%	<0.1%	4.2%	<0.1%	5.2%	<0.1%	9.3%	<0.1%	4.2%	<0.1%	4.5%	<0.1%	5.7%
Kerosene or other liquid fuel	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	0.2%	<0.1%	0.1%	<0.1%	<0.1%	<0.1%	-
Other	0.2%	-	0.2%	-	0.1%	-	<0.1%	0.9%	<0.1%	0.1%	<0.1%	0.1%	<0.1%	0.2%

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	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
Clothes Dryer(,000)	1,011	88,506	882	71,443	129	17,063	12	912	10	2,265	45	8,133	89	20,153
Have Clothes Dryer	82.2%	-	97.1%	-	40.0%	48.7%	63.5%	50.5%	55.3%	-	51.8%	-	58.0%	-
Electricity	49.5%	77.1%	46.4%	75.0%	70.8%	85.9%	53.4%	75.6%	59.4%	84.3%	68.7%	83.3%	41.0%	73.4%
Gas, LP gas (liquid propane)	50.4%	22.8%	53.6%	24.9%	28.8%	14.1%	46.6%	24.1%	40.6%	15.7%	30.0%	16.6%	59.0%	26.6%
Other	0.1%	-	<0.1%	<0.1%	0.4%	0.1%	<0.1%	0.3%	<0.1%	<0.1%	1.3%	<0.1%	<0.1%	<0.1%
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Heating Problems														
Uncomfortably cold for 24 hours or more last winter	6.1%	8.8%	4.6%	7.6%	11.0%	-	40.1%	-	12.6%	18.9%	7.9%	13.4%	11.1%	-
Heating equipment breakdowns	2.2%	-	1.6%	2.0%	4.0%	-	26.7%	-	<0.1%	3.5%	3.0%	3.8%	2.3%	3.1%
Other causes	3.5%	5.9%	2.9%	5.5%	4.9%	7.0%	9.0%	11.4%	9.6%	13.9%	3.8%	8.4%	7.2%	-
Utility interruption	0.4%	2.4%	0.3%	2.8%	0.6%	1.7%	<0.1%	2.3%	<0.1%	2.4%	<0.1%	1.9%	0.4%	1.3%
Inadequate heating capacity	0.6%	1.0%	0.2%	0.6%	1.8%	-	<0.1%	4.5%	6.6%	4.1%	2.6%	2.0%	2.7%	1.6%
Inadequate insulation	0.5%	0.8%	0.5%	-	0.6%	1.6%	6.2%	2.7%	<0.1%	3.8%	0.7%	2.0%	1.6%	1.1%
Cost of heating	0.8%	-	1.0%	-	<0.1%	0.8%	3.2%	1.4%	3.4%	-	<0.1%	1.6%	1.2%	-
Other	1.5%	-	1.3%	-	2.3%	1.9%	<0.1%	3.4%	3.4%	-	0.6%	2.3%	2.1%	1.3%
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SELECTED PHYSICAL PROBLEMS														
Severe Physical Problems(,000)	19	1,806	7	729	12	1,077	19	1,806	.	.	3	469	9	755
Severe physical problems	1.6%	-	0.8%	-	3.6%	-	100%	-	.	.	3.3%	-	6.1%	2.4%
Plumbing	1.0%	-	0.5%	0.7%	2.5%	2.0%	64.2%	-	.	.	2.0%	-	5.3%	1.7%
Heating	0.4%	-	0.2%	-	0.9%	-	26.7%	-	.	.	1.3%	0.8%	0.8%	-
Electric	<0.1%	-	<0.1%	0.1%	<0.1%	-	<0.1%	2.7%	.	.	<0.1%	0.1%	<0.1%	-

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

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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
Hallways	<0.1%	0.0%	<0.1%	0.0%	<0.1%	0.0%	<0.1%	0.0%	.	.	<0.1%	0.0%	<0.1%	0.0%
Upkeep	0.1%	-	0.1%	-	0.2%	-	9.1%	4.3%	.	.	<0.1%	0.3%	<0.1%	0.1%
Moderate Physical Problems(,000)	18	3,965	6	1,565	12	2,401	.	.	18	3,965	2	1,081	6	1,549
Moderate physical problems	1.4%	3.6%	0.6%	2.1%	3.7%	6.9%	.	.	100%	-	1.9%	7.6%	3.9%	4.9%
Plumbing	0.1%	-	0.1%	-	0.3%	-	.	.	8.1%	4.7%	<0.1%	0.3%	0.3%	-
Heating	<0.1%	1.0%	0.1%	1.0%	<0.1%	1.2%	.	.	3.4%	28.7%	<0.1%	2.3%	<0.1%	0.8%
Upkeep	0.8%	1.4%	0.2%	-	2.2%	3.7%	.	.	52.4%	39.4%	1.3%	3.0%	2.4%	-
Hallways	<0.1%	0.0%	<0.1%	0.0%	<0.1%	0.0%	.	.	<0.1%	0.0%	<0.1%	0.0%	<0.1%	0.0%
Kitchen	0.5%	1.1%	0.3%	0.7%	1.3%	1.9%	.	.	36.2%	-	0.6%	2.3%	1.1%	1.5%
OVERALL OPINION OF STRUCTURE														
1(worst)	0.3%	-	0.2%	-	0.6%	1.2%	3.4%	4.2%	4.6%	2.7%	0.8%	1.7%	0.4%	0.8%
2	0.2%	-	0.1%	-	0.6%	-	3.4%	2.0%	<0.1%	1.5%	0.7%	-	0.8%	0.4%
3	0.7%	-	0.4%	-	1.4%	-	6.6%	3.6%	7.0%	3.3%	0.7%	1.5%	0.8%	-
4	0.8%	1.0%	0.3%	0.6%	2.1%	-	<0.1%	3.4%	3.8%	-	2.3%	-	1.6%	-
5	5.0%	-	3.5%	-	9.2%	-	6.6%	11.2%	14.0%	-	14.2%	9.4%	7.2%	-
6	4.6%	-	3.7%	-	7.4%	-	9.9%	-	<0.1%	8.9%	6.7%	-	4.7%	6.6%
7	15.2%	-	14.0%	-	18.9%	-	10.0%	13.8%	13.9%	-	12.9%	-	18.8%	-
8	31.3%	-	32.2%	-	28.7%	-	29.9%	-	26.7%	-	21.3%	-	29.6%	-
9	17.4%	-	19.1%	-	12.7%	-	6.3%	10.8%	13.5%	9.6%	10.1%	12.2%	13.0%	15.7%
10(best)	24.5%	-	26.6%	32.5%	18.3%	-	24.0%	17.0%	16.5%	-	30.3%	-	23.1%	-

*** = National Statistic only reported if Metropolitan Statistical Area (MSA) is >=20%(relative) and 0.25% (absolute) different from National.
See www.healthyhometraining.org/ahs/ for more info.**