

**American Housing Survey - Selected Elements Related to Healthy Homes
Boston, MA 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)	1,057	1,264	657	761	401	503	23	26	56	53	113	<1	227	228
GENERAL														
Owner occupied(,000)	657	761	657	761	.	.	8	9	19	21	30	.	83	77
Renter occupied(,000)	401	503	.	.	401	503	15	17	38	32	83	.	144	151
Owner occupied	62.1%	-	100%	-	.	.	33.5%	35.1%	33.0%	39.8%	26.4%	<0.1%	36.6%	33.7%
Renter occupied	37.9%	39.8%	.	.	100%	-	66.5%	-	67.0%	60.2%	73.6%	<0.1%	63.4%	-
Units in Structure														
1, detached	49.6%	55.7%	75.4%	-	7.2%	20.7%	15.8%	36.9%	15.9%	30.8%	19.7%	0.1%	16.1%	35.3%
1, attached	4.9%	-	5.2%	3.0%	4.6%	6.7%	7.9%	1.2%	3.4%	5.9%	3.9%	-	5.9%	6.9%
2 to 4	22.9%	20.2%	11.2%	-	42.1%	33.2%	41.5%	19.7%	38.2%	-	28.1%	0.1%	40.8%	25.2%
5 to 9	5.8%	5.1%	2.3%	-	11.6%	-	16.9%	11.0%	14.0%	6.6%	9.1%	0.1%	10.0%	8.1%
10 to 19	5.2%	3.9%	1.5%	-	11.4%	8.4%	3.0%	9.7%	9.0%	6.2%	11.2%	0.1%	9.7%	8.3%
20 to 49	4.9%	-	1.5%	-	10.4%	9.1%	10.1%	7.0%	9.0%	6.6%	11.5%	0.1%	8.5%	7.6%
50 or more	6.2%	5.3%	2.4%	-	12.4%	10.6%	4.8%	12.1%	10.6%	4.0%	16.6%	0.1%	8.9%	8.4%
Manufactured /mobile home or trailer	0.5%	-	0.6%	-	0.3%	-	<0.1%	2.4%	<0.1%	-	<0.1%	-	0.3%	-
Year Structure Built														
Post-2000	3.4%	-	4.3%	-	1.9%	-	2.7%	-	1.1%	-	3.4%	-	2.3%	-
Post-1980	18.8%	13.9%	21.6%	16.1%	14.1%	10.6%	17.0%	10.4%	9.9%	8.2%	20.9%	0.1%	13.3%	7.3%
Pre-1980	81.2%	86.1%	78.4%	83.9%	85.9%	-	83.0%	89.6%	90.1%	-	79.1%	0.1%	86.7%	92.7%
Pre-1960	60.9%	-	59.9%	-	62.6%	-	72.3%	66.5%	76.2%	-	57.1%	0.1%	73.8%	-
Pre-1940	41.8%	-	37.6%	39.6%	48.7%	-	47.6%	-	59.4%	64.3%	38.5%	0.1%	57.8%	-

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)	577	761	529	623	47	138	5	10	11	19	27	<1	50	96
With a basement under all of house	76.2%	-	76.3%	-	75.1%	71.0%	79.2%	-	80.7%	63.1%	78.5%	0.1%	78.5%	69.3%
With a basement under part of house	15.1%	11.6%	15.9%	11.7%	6.7%	11.2%	<0.1%	10.8%	9.0%	15.8%	10.5%	0.1%	11.5%	15.9%
With a crawl space	2.2%	-	2.1%	-	3.8%	-	<0.1%	7.4%	5.3%	-	2.0%	-	<0.1%	3.1%
On a concrete slab	5.0%	5.9%	4.5%	-	10.3%	12.2%	20.8%	3.3%	5.1%	11.9%	9.0%	0.1%	7.5%	11.2%
In some other way	1.4%	-	1.2%	-	4.0%	-	<0.1%	-	<0.1%	3.8%	<0.1%	-	2.5%	-
EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	2.2%	-	2.1%	-	4.0%	-	9.5%	10.7%	4.7%	11.8%	<0.1%	-	4.3%	-
Missing roofing material	5.1%	-	4.7%	-	9.3%	7.5%	<0.1%	21.2%	19.3%	14.6%	7.1%	0.1%	10.6%	6.7%
Hole in roof	2.3%	-	2.0%	-	5.1%	5.9%	<0.1%	10.0%	10.0%	11.8%	2.6%	-	4.0%	-
Missing bricks, siding, other outside wall material	3.0%	-	2.8%	-	4.8%	5.3%	<0.1%	21.0%	10.0%	14.3%	9.4%	0.1%	2.5%	5.5%
Sloping outside walls	1.6%	-	1.2%	-	6.4%	2.1%	<0.1%	10.5%	5.7%	15.9%	2.4%	-	2.4%	-
Boarded up windows	0.9%	-	0.8%	-	2.5%	-	<0.1%	3.4%	<0.1%	2.1%	2.7%	-	1.2%	-
Broken windows	2.9%	-	2.4%	-	7.7%	3.9%	<0.1%	14.8%	6.5%	15.6%	2.9%	-	7.6%	4.9%
Bars on windows	2.9%	-	2.3%	-	9.3%	6.0%	9.5%	7.0%	12.4%	4.4%	5.5%	0.1%	19.0%	16.2%
Foundation crumbling or has open crack or hole	3.3%	-	2.8%	-	9.0%	4.2%	<0.1%	7.5%	<0.1%	10.0%	<0.1%	-	7.6%	4.7%
None of the above	82.1%	-	82.8%	-	73.8%	-	72.0%	49.6%	63.1%	48.5%	70.9%	0.1%	61.7%	-
None of the above(excluding bars)	83.7%	-	84.5%	-	75.0%	-	81.6%	52.7%	63.1%	48.5%	70.9%	0.1%	71.9%	-

<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	15.6%	21.4%	19.6%	26.9%	9.1%	13.1%	26.7%	-	24.9%	44.3%	10.1%	0.1%	12.2%	13.6%
Roof	5.9%	9.7%	7.4%	12.1%	3.7%	6.5%	11.0%	14.4%	11.8%	24.7%	3.7%	-	5.9%	7.0%
Basement leak	8.8%	12.2%	12.8%	17.6%	2.4%	-	8.1%	10.2%	15.5%	24.5%	4.6%	-	3.3%	5.1%
Walls, closed windows, or doors leak	2.1%	-	1.6%	-	2.7%	-	7.0%	16.6%	2.6%	18.3%	2.5%	-	3.3%	-
Other or Unknown exterior Leak	1.7%	-	2.1%	-	1.0%	-	10.5%	<0.1%	2.8%	5.5%	1.3%	-	1.3%	-
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INTERIOR														
Damage														
Holes in floors	1.2%	-	0.8%	-	1.9%	-	13.9%	5.0%	5.4%	17.9%	1.2%	-	2.9%	-
Open cracks or holes	6.0%	6.7%	4.9%	6.0%	7.8%	-	15.0%	20.6%	20.8%	48.3%	4.1%	-	8.6%	6.0%
Broken plaster or peeling paint	2.5%	-	1.6%	-	3.9%	5.5%	5.3%	10.7%	13.5%	29.9%	2.4%	-	4.3%	-
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Water Leakage During Last 12 Months														
With leakage from inside structure	7.5%	9.1%	6.7%	7.8%	8.7%	11.1%	18.9%	28.9%	21.2%	31.2%	5.7%	0.1%	7.4%	9.2%
Fixtures backed up or overflowed	2.3%	-	1.7%	-	3.3%	-	6.4%	11.6%	6.7%	14.2%	2.4%	-	1.2%	-
Pipes leaked	3.1%	-	2.4%	-	4.2%	5.7%	18.5%	17.4%	9.1%	17.4%	3.1%	-	3.6%	-
Broken water heater	0.6%	-	0.5%	-	0.8%	-	<0.1%	3.6%	2.6%	5.5%	0.5%	-	0.6%	-
Other or Unknown	2.1%	-	2.4%	-	1.6%	-	<0.1%	7.0%	6.6%	9.1%	0.4%	-	2.9%	-
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Rodents														
Signs of rats in last 3 mon.	0.8%	-	0.6%	-	1.1%	-	3.1%	-	4.0%	-	1.4%	-	1.1%	-

<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.	9.2%	7.0%	7.2%	6.5%	12.4%	7.7%	15.4%	-	15.5%	14.6%	11.8%	0.1%	16.5%	12.2%
Signs of rodents, not sure which kind in last 3 mon.	0.9%	-	0.4%	-	1.7%	-	10.4%	1.5%	<0.1%	1.8%	2.8%	-	2.8%	-
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Electrical														
No electrical wiring	0.1%	-	0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	0.3%	-
Exposed wiring	1.0%	-	0.4%	-	2.0%	-	3.1%	-	1.2%	-	2.9%	-	2.0%	-
Rooms without electric outlets	1.5%	-	1.1%	-	2.1%	-	5.6%	8.4%	1.2%	-	3.4%	-	2.0%	-
Fuses/breakers blown in last 3 mon.	9.9%	30.2%	9.3%	37.2%	10.8%	19.6%	28.3%	40.0%	9.4%	42.7%	5.7%	0.1%	9.5%	17.9%
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Sanitation														
Lacking complete kitchen facilities	4.2%	-	1.7%	-	8.4%	3.8%	9.5%	11.2%	75.8%	45.5%	5.2%	0.1%	10.8%	4.0%
Lacking some or all plumbing facilities	1.3%	-	0.9%	-	2.0%	-	60.5%	44.8%	<0.1%	-	1.8%	-	0.9%	-
Water not safe to drink	8.1%	17.2%	7.0%	15.7%	9.9%	19.5%	15.4%	32.6%	16.5%	23.6%	13.3%	0.1%	12.0%	21.0%
Water stoppage in last 3 mon.	3.4%	-	2.5%	-	4.8%	-	10.6%	11.2%	6.5%	7.9%	4.3%	-	5.2%	4.3%
No flush toilets working some time in last 3 mon.	2.6%	-	1.0%	-	5.2%	3.6%	8.1%	-	4.5%	9.2%	4.1%	-	5.5%	3.8%
With sewage disposal breakdowns in last 3 mon.	1.0%	-	0.9%	-	1.3%	-	4.9%	-	1.1%	-	<0.1%	-	0.9%	-
Septic tank, cesspool, chemical toilet	17.0%	18.4%	24.6%	26.9%	4.6%	5.4%	<0.1%	13.2%	2.8%	15.3%	7.4%	0.1%	<0.1%	0.2%
With septic tank or cesspool breakdowns in last 3 mon.	<0.1%	-	0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
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HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	35.9%	-	37.1%	-	34.0%	-	29.2%	23.3%	33.3%	28.3%	33.9%	0.1%	31.1%	32.9%

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	53.2%	-	54.6%	58.4%	50.8%	-	55.5%	70.1%	55.5%	-	50.1%	0.1%	54.0%
Electric heat pump	1.9%	-	1.7%	-	2.1%	-	2.6%	-	4.6%	-	2.7%	-	3.1%	-
Built-in electric units	5.9%	5.5%	3.9%	-	9.3%	8.8%	9.5%	2.8%	<0.1%	7.5%	9.6%	0.1%	7.8%	-
Floor, wall, or other built-in hot air without ducts	1.9%	-	2.0%	-	1.8%	-	3.1%	-	3.4%	-	1.2%	-	2.0%	-
Room heaters with flue	0.3%	-	0.3%	-	0.3%	-	<0.1%	-	1.1%	-	<0.1%	-	0.3%	-
Room heaters without flue	0.1%	-	<0.1%	-	0.2%	-	<0.1%	-	1.1%	-	<0.1%	-	0.3%	-
Portable electric heaters	0.1%	-	<0.1%	-	0.2%	-	<0.1%	-	<0.1%	-	0.6%	-	0.3%	-
Stoves	0.2%	-	0.3%	-	<0.1%	-	<0.1%	-	<0.1%	0.7%	<0.1%	-	<0.1%	-
Fireplace with inserts	0.1%	-	<0.1%	-	0.2%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
Other	0.2%	-	0.2%	-	0.3%	-	<0.1%	-	1.0%	-	0.6%	-	0.3%	-
Cooking stove	0.1%	-	<0.1%	-	0.2%	-	<0.1%	1.4%	<0.1%	-	<0.1%	-	0.3%	-
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Water Heating Fuel														
Electricity	20.0%	22.8%	15.6%	19.4%	27.2%	-	39.2%	22.8%	18.1%	16.6%	30.5%	0.1%	18.4%	23.2%
Gas, LP/bottled gas	57.7%	52.4%	57.2%	51.2%	58.5%	54.2%	45.4%	-	67.4%	56.0%	51.0%	0.1%	70.4%	59.7%
Fuel oil	22.2%	24.5%	27.0%	29.2%	14.2%	17.6%	15.4%	29.8%	14.4%	26.8%	17.8%	0.1%	10.9%	17.1%
Kerosene or other liquid fuel	0.1%	-	0.1%	-	<0.1%	-	<0.1%	1.2%	<0.1%	-	<0.1%	-	<0.1%	-
Other	0.1%	-	0.1%	-	0.2%	-	<0.1%	-	<0.1%	0.7%	0.6%	-	0.3%	-
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Clothes Dryer(,000)	719	832	594	664	125	168	10	11	19	25	40	<1	93	90
Have Clothes Dryer	68.0%	-	90.4%	-	31.3%	33.3%	43.9%	-	33.6%	48.3%	35.4%	0.1%	40.8%	-
Electricity	70.0%	-	68.3%	-	77.6%	72.2%	83.0%	77.2%	70.9%	-	73.6%	0.1%	58.8%	-
Gas, LP gas (liquid propane)	29.9%	-	31.6%	-	21.9%	27.8%	17.0%	22.8%	29.1%	30.6%	26.4%	0.1%	40.5%	-
Other	0.2%	-	0.1%	-	0.5%	-	<0.1%	-	<0.1%	-	<0.1%	-	0.7%	-
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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>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>
Uncomfortably cold for 24 hours or more last winter	8.1%	9.8%	5.9%	8.2%	12.1%	-	47.5%	63.5%	16.1%	18.7%	8.4%	0.1%	13.2%	11.6%
Heating equipment breakdowns	3.3%	-	2.5%	-	4.6%	-	36.6%	52.8%	5.5%	2.9%	5.3%	0.1%	5.4%	4.4%
Other causes	4.7%	5.5%	3.5%	-	6.7%	6.3%	18.6%	10.5%	10.3%	12.7%	3.4%	-	7.6%	6.3%
Utility interruption	0.5%	-	0.7%	-	0.2%	-	<0.1%	-	<0.1%	4.5%	1.1%	-	0.3%	-
Inadequate heating capacity	1.3%	-	0.4%	-	2.7%	-	<0.1%	4.5%	<0.1%	4.8%	0.6%	-	2.4%	-
Inadequate insulation	0.9%	-	0.6%	-	1.4%	-	6.2%	2.7%	3.3%	5.4%	0.6%	-	2.1%	-
Cost of heating	1.5%	-	1.1%	-	2.0%	-	9.4%	3.0%	5.5%	<0.1%	0.6%	-	2.1%	-
Other	1.1%	-	1.0%	-	1.4%	-	8.6%	4.2%	4.4%	-	1.2%	-	2.0%	-
SELECTED PHYSICAL PROBLEMS														
Severe Physical Problems(,000)	23	26	8	9	15	17	23	26	.	.	6	.	7	6
Severe physical problems	2.2%	-	1.2%	-	3.8%	-	100%	-	.	.	5.2%	<0.1%	2.9%	-
Plumbing	1.3%	-	0.9%	-	2.0%	-	60.5%	44.8%	.	.	1.8%	<0.1%	0.9%	-
Heating	0.8%	-	0.3%	-	1.7%	-	36.6%	50.1%	.	.	2.8%	<0.1%	1.7%	-
Electric	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	1.4%	.	.	<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%	-	2.9%	-	.	.	0.6%	<0.1%	0.3%	-
Moderate Physical Problems(,000)	56	53	19	21	38	32	.	.	56	53	6	.	28	16
Moderate physical problems	5.3%	4.2%	2.8%	-	9.4%	6.3%	.	.	100%	-	5.6%	<0.1%	12.5%	7.1%
Plumbing	0.1%	-	<0.1%	0.2%	0.3%	-	.	.	2.4%	-	0.6%	<0.1%	0.6%	-
Heating	0.1%	-	<0.1%	-	0.2%	-	.	.	1.1%	-	<0.1%	<0.1%	0.3%	-
Upkeep	4.0%	-	1.7%	-	7.8%	3.3%	.	.	75.8%	45.5%	4.4%	<0.1%	10.5%	3.7%
Hallways	<0.1%	0.3%	<0.1%	-	<0.1%	0.7%	.	.	<0.1%	7.2%	<0.1%	<0.1%	<0.1%	1.0%
Kitchen	1.1%	-	1.1%	-	1.1%	-	.	.	20.6%	44.3%	0.6%	<0.1%	1.2%	-

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
OVERALL OPINION OF STRUCTURE														
1(worst)	0.2%	-	0.1%	-	0.5%	-	3.3%	-	<0.1%	1.3%	1.1%	-	0.3%	-
2	0.5%	-	0.4%	-	0.8%	-	3.3%	-	2.8%	-	0.7%	-	0.9%	-
3	0.4%	-	0.3%	-	0.7%	-	<0.1%	5.8%	<0.1%	3.5%	0.5%	-	0.6%	-
4	0.9%	-	0.6%	-	1.5%	-	5.2%	5.5%	<0.1%	0.8%	1.0%	-	1.2%	-
5	3.8%	5.8%	2.0%	-	6.8%	9.6%	8.9%	15.6%	11.5%	9.4%	6.2%	0.1%	6.9%	8.4%
6	5.1%	-	4.0%	-	7.0%	7.7%	2.7%	9.8%	6.8%	10.3%	6.2%	0.1%	5.2%	8.2%
7	15.7%	-	12.1%	13.2%	21.5%	-	29.1%	18.0%	19.0%	21.9%	18.5%	0.1%	19.0%	-
8	27.8%	-	28.3%	-	27.1%	25.4%	21.9%	18.5%	27.0%	22.2%	22.9%	0.1%	29.5%	27.4%
9	17.1%	15.1%	20.0%	17.4%	12.4%	11.6%	10.4%	11.2%	12.3%	8.1%	11.6%	0.1%	14.3%	-
10(best)	28.3%	-	32.4%	-	21.7%	20.5%	15.1%	14.2%	20.6%	-	31.4%	0.1%	22.1%	19.2%

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