American Housing Survey - Selected Elements Related to Healthy Homes
2011 Providence, RI and 2011 National
National statistic only reported if Metropolitan Statistical Area (MSA) is >=20%(relative) and 0.25% (absolute) different from national (otherwise "-" is listed).

	Occ	cupied	Owner	Occupied	R	ental		evere blems		derate blems	Below	/ Poverty	Cen	tral City
Characteristic	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
Total Occupied Units(,000)	522	114,907	309	76,091	213	38,816	12	2,103	25	4,126	75	16,060	92	33,161
GENERAL														
Owner occupied(,000)		76,091		76,091				907		1,568		6,166		16,552
Renter occupied(,000)		38,816				38,816		1,196		2,558		9,894		16,609
Owner occupied		66.2%		100%		<0.1%		43.1%		38.0%		38.4%		49.9%
Renter occupied		33.8%		<0.1%		100%		56.9%		62.0%		61.6%		50.1%
Units in Structure														
1, detached	54.6%	-	83.0%	-	13.5%	28.6%	46.8%	-	12.1%	39.6%	35.1%	42.7%	38.7%	49.3%
1, attached	3.5%	5.9%	3.1%	5.4%	4.1%	6.8%	18.6%	5.1%	1.0%	3.4%	3.6%	6.1%	3.9%	7.9%
2 to 4	24.9%	7.8%	9.8%	1.9%	46.9%	19.4%	23.6%	14.8%	55.6%	17.8%	27.0%	13.6%	34.2%	12.9%
5 to 9	6.0%	4.7%	1.4%	0.8%	12.6%	-	3.4%	6.9%	4.8%	10.3%	8.7%	-	7.0%	-
10 to 19	3.0%	4.4%	0.8%	-	6.2%	11.6%	4.0%	8.1%	10.9%	7.3%	2.8%	6.9%	5.7%	-
20 to 49	2.2%	3.2%	0.2%	0.5%	5.1%	8.5%	<0.1%	6.5%	3.6%	6.9%	4.2%	5.8%	3.9%	6.1%
50 or more	4.7%	3.6%	0.1%	1.0%	11.4%	8.8%	3.6%	7.0%	11.0%	7.0%	17.8%	6.1%	6.0%	8.7%
Manufactured /mobile home or trailer	1.0%	6.3%	1.5%	7.5%	0.3%	3.9%	<0.1%	7.4%	0.9%	7.8%	0.7%	10.3%	0.6%	1.3%
Year Structure Built														
Post-2000	3.5%	13.8%	4.5%	15.6%	2.1%	10.2%	3.8%	5.0%	0.6%	4.4%	1.2%	9.3%	2.6%	10.9%
Post-1980	22.0%	38.7%	24.1%	42.1%	18.9%	32.2%	36.2%	21.1%	9.8%	22.4%	19.2%	31.1%	17.4%	27.7%
Pre-1980	78.0%	61.3%	75.9%	57.9%	81.1%	-	63.8%	78.9%	90.2%	-	80.8%	-	82.6%	-
Pre-1960	51.2%	30.9%	48.7%	29.5%	55.0%	33.4%	35.6%	47.2%	64.4%	45.7%	51.3%	34.6%	62.3%	42.7%
Pre-1940	31.5%	14.7%	24.1%	12.8%	42.2%	18.5%	24.8%	-	54.8%	24.4%	37.3%	17.2%	44.2%	22.6%

	Oce	cupied	Owner	Occupied	R	ental		evere blems		derate blems	Below	v Poverty	Cen	tral City
Characteristic	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	Nationa
Foundation (for 1-unit not manufactured)	•	•	•					•	•	•	•			
1-Unit not manufactured(,000)	304	80,505	266	66,752	38	13,753	8	1,040	3	1,772	29	7,844	39	18,949
With a basement under all of house	79.4%	32.7%	79.3%	34.4%	80.2%	24.0%	79.6%	32.2%	78.6%	22.1%	72.7%	27.3%	83.0%	31.9%
With a basement under part of house	13.3%	10.6%	14.6%	11.3%	3.8%	7.2%	3.8%	7.9%	8.4%	-	24.9%	7.3%	11.5%	8.1%
With a crawl space	2.1%	22.1%	2.1%	21.4%	2.4%	25.3%	<0.1%	24.1%	2.7%	40.2%	1.2%	25.9%	2.2%	20.2%
On a concrete slab	4.1%	33.1%	3.1%	31.5%	11.0%	41.1%	14.8%	29.7%	10.3%	23.7%	0.6%	36.4%	2.4%	38.2%
In some other way	1.1%	1.6%	0.9%	1.4%	2.5%	-	1.9%	6.1%	<0.1%	5.3%	0.7%	3.2%	0.9%	1.6%
EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	1.5%	2.0%	1.5%	1.8%	1.3%	2.9%	<0.1%	9.0%	5.3%	11.4%	5.1%	3.8%	1.2%	2.4%
Missing roofing material	2.3%	3.6%	2.3%	3.4%	2.1%	4.1%	1.9%	9.9%	7.1%	14.3%	2.0%	5.8%	5.1%	3.8%
Hole in roof	0.5%	1.5%	0.4%	1.3%	1.2%	2.4%	<0.1%	7.6%	6.7%	11.9%	0.7%	3.4%	0.6%	1.9%
Missing bricks, siding, other outside wall material	1.4%	2.5%	1.2%	2.2%	2.8%	3.9%	1.8%	10.7%	7.0%	14.2%	1.2%	5.0%	0.7%	3.2%
Sloping outside walls	1.2%	-	0.8%	-	4.0%	2.2%	16.6%	5.9%	5.1%	8.4%	0.3%	2.3%	0.5%	1.5%
Boarded up windows	0.5%	1.0%	0.5%	0.9%	1.0%	1.6%	1.7%	4.5%	2.2%	6.1%	0.6%	2.6%	<0.1%	1.5%
Broken windows	3.1%	4.2%	3.2%	-	2.5%	6.6%	1.9%	14.1%	6.3%	18.1%	2.5%	8.6%	3.8%	4.8%
Bars on windows	0.5%	2.9%	0.5%	2.7%	0.4%	3.8%	<0.1%	4.2%	<0.1%	7.5%	0.2%	4.8%	1.1%	8.9%
Foundation crumbling or has open crack or hole	4.8%	-	4.9%	-	4.0%	6.8%	3.3%	15.0%	16.3%	-	4.1%	8.4%	4.8%	6.4%
None of the above	87.3%	-	87.2%	-	88.1%	-	76.6%	-	75.2%	50.3%	87.9%	-	83.0%	-
None of the above(excluding bars)	87.7%	-	87.6%	-	88.1%	-	76.6%	-	75.2%	53.3%	88.1%	-	84.1%	-
Water Lealing During Leat 40														

Water Leakage During Last 12 Months

	Occ	cupied	Owner	Occupied	R	ental	Severe Problems		Moderate Problems		Below Poverty		Central City	
Characteristic	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	Nationa
With leakage from outside structure	12.6%	-	15.5%	11.5%	8.4%	-	7.2%	17.4%	15.4%	29.4%	9.0%	11.6%	10.4%	-
Roof	5.7%	-	7.4%	-	3.3%	4.9%	4.0%	10.0%	6.0%	16.8%	3.6%	6.5%	4.0%	5.9%
Basement leak	3.6%	2.8%	5.0%	3.4%	1.7%	-	0.6%	2.5%	3.5%	5.1%	1.1%	1.9%	4.2%	2.6%
Walls, closed windows, or doors leak	3.0%	2.2%	2.5%	1.8%	3.6%	-	1.9%	4.7%	5.6%	8.9%	4.0%	2.8%	3.4%	-
Other or Unknown exterior Leak	0.9%	1.2%	1.2%	-	0.3%	1.3%	0.7%	2.9%	1.0%	3.3%	0.4%	1.3%	0.6%	1.4%
INTERIOR														
Damage														
Holes in floors	0.6%	1.0%	0.3%	0.7%	1.0%	1.6%	2.3%	7.2%	1.5%	9.9%	1.9%	-	0.9%	1.3%
Open cracks or holes	5.0%	-	3.3%	4.2%	7.4%	-	14.3%	18.1%	8.2%	29.9%	6.8%	8.6%	6.2%	-
Broken plaster or peeling paint	1.8%	-	0.8%	1.5%	3.3%	-	1.7%	8.3%	7.3%	18.6%	1.7%	3.4%	4.2%	3.2%
Water Leakage During Last 12 Months														
With leakage from inside structure	5.8%	8.5%	4.8%	7.2%	7.3%	11.2%	6.0%	16.2%	13.8%	25.1%	6.3%	11.0%	4.7%	10.0%
Fixtures backed up or overflowed	1.1%	1.9%	0.7%	1.7%	1.7%	2.3%	1.8%	4.9%	2.5%	6.6%	3.6%	2.2%	1.6%	2.2%
Pipes leaked	3.0%	-	2.2%	2.9%	4.1%	-	4.2%	8.4%	8.0%	12.5%	1.9%	5.1%	1.5%	4.5%
Broken water heater	0.5%	0.8%	0.7%	-	0.3%	0.8%	<0.1%	1.4%	0.7%	2.0%	0.1%	1.0%	0.6%	-
Other or Unknown	1.3%	2.4%	1.2%	1.8%	1.5%	3.6%	<0.1%	3.2%	3.5%	6.0%	1.1%	3.0%	1.1%	2.9%
Rodents														
Signs of rats in last 3 mon.	0.8%	-	0.1%	0.9%	1.8%	1.3%	0.6%	3.3%	5.5%	3.6%	2.0%	-	4.1%	1.4%
Signs of mice in last 3 mon.	12.1%	-	15.9%	11.7%	6.5%	10.0%	7.3%	17.7%	20.2%	-	10.0%	12.5%	11.0%	-

	Oco	cupied	Owner	Occupied	R	ental	Severe Problems		Moderate Problems		Below Poverty		Cen	tral City
Characteristic	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
Signs of rodents, not sure which kind in last 3 mon.	0.2%	0.6%	0.2%	0.5%	0.2%	0.8%	<0.1%	1.5%	<0.1%	1.6%	0.2%	1.0%	0.5%	-
Electrical														
No electrical wiring	2.1%	0.1%	<0.1%	-	5.0%	0.2%	35.7%	3.2%	5.0%	0.1%	5.7%	0.3%	11.4%	0.1%
Exposed wiring	1.1%	1.6%	0.4%	1.3%	2.0%	-	2.3%	6.2%	2.1%	3.9%	1.3%	2.5%	3.6%	1.6%
Rooms without electric outlets	2.8%	0.8%	0.2%	0.6%	6.6%	1.2%	36.8%	6.5%	6.0%	2.2%	6.1%	1.4%	13.6%	1.0%
Fuses/breakers blown in last 3 mon.	10.9%	-	11.1%	-	10.6%	-	4.4%	14.7%	14.0%	-	7.0%	9.1%	9.2%	-
Sanitation														
Lacking complete kitchen facilities	4.2%	1.7%	1.5%	0.6%	8.1%	4.0%	12.2%	8.4%	83.6%	44.4%	3.8%	-	6.7%	2.8%
Lacking some or all plumbing facilities	1.3%	-	0.7%	-	2.2%	-	57.5%	-	<0.1%	0.0%	3.4%	2.1%	4.0%	1.8%
Water not safe to drink	8.9%	-	6.5%	-	12.3%	-	6.2%	14.7%	5.8%	14.9%	10.0%	13.1%	11.3%	-
Water stoppage in last 3 mon.	6.7%	4.0%	7.7%	3.5%	5.4%	-	4.4%	8.3%	9.3%	-	8.1%	4.8%	4.8%	-
No flush toilets working some time in last 3 mon.	2.4%	1.9%	1.6%	1.1%	3.5%	-	13.9%	5.7%	9.6%	-	1.1%	3.4%	2.7%	-
With sewage disposal breakdowns in last 3 mon.	0.9%	1.4%	0.3%	1.2%	1.7%	-	11.4%	3.7%	1.4%	5.0%	0.6%	2.0%	1.5%	-
Septic tank, cesspool, chemical toilet	23.6%	-	33.8%	25.7%	8.9%	-	7.0%	15.6%	8.0%	16.1%	12.7%	-	4.4%	1.3%
With septic tank or cesspool breakdowns in last 3 mon.	0.1%	-	0.1%	0.3%	0.1%	-	<0.1%	0.8%	0.5%	0.8%	<0.1%	0.4%	<0.1%	-
HEATING/FUEL														
Main Heating Equipment														
Warm-air furnace	27.9%	64.1%	26.8%	67.9%	29.5%	56.7%	36.7%	47.8%	22.4%	39.1%	30.9%	57.3%	28.6%	62.8%
Steam or hot water system	61.3%	11.0%	64.3%	9.7%	57.1%	13.5%	50.6%	18.6%	61.2%	14.0%	50.4%	10.9%	61.2%	15.6%

	Occ	cupied	Owner	Occupied	R	ental		evere oblems		derate blems	Below	Poverty	Cen	tral City
Characteristic	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
Electric heat pump	0.2%	11.8%	0.2%	12.9%	0.2%	9.6%	<0.1%	7.1%	0.4%	4.8%	<0.1%	9.7%	0.2%	8.5%
Built-in electric units	4.4%	-	3.3%	2.6%	6.1%	7.4%	0.5%	5.2%	4.8%	-	5.7%	-	2.1%	3.9%
Floor, wall, or other built-in hot air without ducts	3.1%	3.9%	4.1%	2.4%	1.6%	6.9%	0.5%	7.0%	7.7%	5.6%	9.6%	6.7%	2.9%	5.2%
Room heaters with flue	1.4%	0.8%	0.4%	0.7%	3.0%	1.0%	8.5%	1.1%	1.3%	-	2.3%	1.4%	1.6%	0.6%
Room heaters without flue	0.1%	1.0%	<0.1%	0.8%	0.2%	1.2%	<0.1%	2.5%	1.9%	25.2%	0.1%	2.2%	0.1%	0.7%
Portable electric heaters	0.5%	1.2%	0.1%	0.9%	1.2%	1.8%	2.5%	3.9%	<0.1%	2.0%	<0.1%	3.0%	2.5%	1.4%
Stoves	0.3%	0.9%	0.5%	1.2%	<0.1%	0.5%	0.7%	4.0%	<0.1%	1.0%	<0.1%	1.2%	0.3%	-
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%
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%	-	0.3%	-	0.5%	-	<0.1%	1.1%	0.3%	-	0.4%	0.7%	0.3%	-
No heating equipment	<0.1%	0.4%	<0.1%	-	<0.1%	0.7%	<0.1%	1.1%	<0.1%	0.7%	0.2%	0.6%	<0.1%	0.7%
Cooking stove	0.2%	-	0.1%	-	0.4%	-	<0.1%	0.2%	<0.1%	0.3%	0.4%	-	0.2%	-
Water Heating Fuel														
Electricity	16.5%	41.3%	15.2%	39.0%	18.4%	45.7%	17.3%	38.7%	9.8%	39.0%	22.1%	46.9%	13.5%	31.9%
Gas, LP/bottled gas	56.3%	-	50.4%	-	64.8%	49.7%	66.4%	-	59.1%	-	66.9%	49.2%	75.9%	-
Fuel oil	26.8%	4.1%	33.7%	4.0%	16.7%	4.3%	16.3%	6.5%	26.9%	5.1%	10.8%	3.6%	9.3%	5.0%
Kerosene or other liquid fuel	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	<0.1%	<0.1%	0.1%	<0.1%	-	<0.1%	-
Other	0.4%	-	0.6%	-	0.1%	-	<0.1%	1.0%	4.2%	0.5%	0.1%	-	1.3%	0.2%
Clothes Dryer(,000)	344	93,052	279	72,397	65	20,655	6	1,139	8	2,344	31	9,825	46	21,908
Have Clothes Dryer	65.9%	81.0%	90.4%	-	30.4%	53.2%	54.3%	-	32.0%	56.8%	40.6%	61.2%	49.6%	66.1%
Electricity	79.1%	-	78.8%	-	80.4%	-	56.0%	78.9%	92.5%	-	79.8%	-	70.6%	-
Gas, LP gas (liquid propane)	20.9%	-	21.2%	-	19.6%	-	44.0%	21.0%	7.5%	17.5%	20.2%	-	29.4%	-
Other	<0.1%	-	<0.1%	-	<0.1%	0.1%	<0.1%	0.1%	<0.1%	<0.1%	<0.1%	0.1%	<0.1%	0.1%

Heating Problems

	Occ	cupied	Owner	Occupied	R	ental		evere blems		derate blems	Below	/ Poverty	Cent	tral City
Characteristic	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
Uncomfortably cold for 24 hours or more last winter	7.6%	-	5.8%	7.7%	10.5%	-	38.1%	-	12.0%	22.2%	10.9%	13.7%	11.3%	-
Heating equipment breakdowns	2.1%	-	1.1%	1.9%	3.6%	-	33.8%	-	1.5%	4.1%	3.4%	-	1.6%	3.0%
Other causes	5.0%	-	4.7%	-	5.4%	6.7%	14.6%	11.0%	9.5%	15.4%	4.8%	8.0%	8.5%	6.0%
Utility interruption	0.5%	1.9%	0.4%	2.3%	0.6%	1.1%	1.1%	1.5%	1.2%	1.9%	0.4%	1.6%	0.5%	1.1%
Inadequate heating capacity	1.0%	-	0.8%	-	1.3%	2.0%	1.2%	3.9%	6.0%	-	0.9%	2.2%	2.6%	1.7%
Inadequate insulation	0.7%	1.1%	0.4%	0.7%	1.2%	1.8%	<0.1%	3.1%	1.0%	5.0%	1.8%	-	2.5%	1.4%
Cost of heating	2.2%	1.0%	3.2%	1.0%	0.8%	-	<0.1%	1.7%	6.5%	2.8%	1.2%	-	1.8%	0.8%
Other	1.1%	-	0.5%	1.2%	2.1%	1.6%	13.5%	3.5%	0.3%	3.2%	1.1%	1.8%	2.1%	1.6%
SELECTED PHYSICAL PROBLEMS														
Severe Physical Problems(,000)	12	2,103	3	907	9	1,196	12	2,103			3	522	5	909
Severe physical problems	2.3%	-	0.9%	1.2%	4.2%	3.1%	100%	-			4.0%	-	5.6%	2.7%
Plumbing	1.3%	-	0.7%	-	2.2%	-	57.5%	-			3.4%	2.1%	4.0%	1.8%
Heating	0.8%	-	0.2%	-	1.5%	0.9%	33.2%	-			0.6%	1.1%	0.4%	0.8%
Electric	0.2%	-	<0.1%	0.1%	0.5%	<0.1%	9.3%	3.1%			<0.1%	0.1%	1.2%	<0.1%
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%	-	<0.1%	0.1%	<0.1%	2.5%			<0.1%	0.1%	<0.1%	0.1%
Moderate Physical Problems(,000)	25	4,126	7	1,568	18	2,558			25	4,126	3	1,170	6	1,628
Moderate physical problems	4.7%	3.6%	2.2%	-	8.3%	6.6%			100%	-	3.5%	7.3%	6.1%	-
Plumbing	0.4%	-	0.4%	0.1%	0.2%	-			7.6%	5.2%	0.2%	-	0.2%	-
Heating	0.1%	0.9%	<0.1%	0.8%	0.2%	1.1%			1.9%	25.2%	0.1%	2.1%	0.1%	0.7%
Upkeep	3.9%	1.6%	1.5%	0.5%	7.5%	3.7%			83.6%	44.4%	2.3%	2.9%	5.4%	2.6%
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	0.4%	1.0%	0.3%	0.7%	0.6%	1.7%			8.5%	28.2%	1.0%	2.3%	0.5%	1.6%

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	Occupied		Owner Occupied		R	Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
Characteristic	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	
OVERALL OPINION OF STRUCTURE	•	•													
1(worst)	0.6%	-	0.4%	-	0.9%	-	<0.1%	3.4%	1.4%	3.0%	2.1%	1.5%	1.5%	0.7%	
2	0.4%	-	0.2%	-	0.7%	-	<0.1%	1.9%	0.6%	1.6%	1.8%	0.9%	0.4%	-	
3	0.5%	-	0.2%	-	0.9%	1.2%	0.6%	3.5%	0.7%	2.9%	0.3%	1.6%	0.6%	1.0%	
4	0.6%	1.0%	0.3%	0.6%	1.2%	1.8%	<0.1%	2.7%	1.0%	3.3%	1.9%	-	2.1%	1.2%	
5	4.4%	-	3.1%	-	6.3%	-	6.7%	9.6%	8.2%	11.8%	6.9%	8.6%	4.7%	5.8%	
6	5.2%	-	3.2%	-	8.2%	-	19.1%	7.1%	1.5%	10.5%	7.5%	-	8.6%	6.2%	
7	13.0%	-	11.3%	-	15.3%	-	17.8%	-	17.7%	-	10.2%	14.5%	15.8%	-	
8	27.7%	-	27.3%	-	28.3%	-	30.6%	21.2%	35.5%	21.9%	18.6%	24.4%	27.6%	-	
9	16.9%	-	19.0%	-	13.9%	-	6.8%	11.1%	10.9%	-	25.1%	11.3%	15.3%	-	
10(best)	30.6%	-	35.0%	-	24.3%	-	18.4%	23.0%	22.4%	-	25.7%	-	23.4%	-	

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