## American Housing Survey - Selected Elements Related to Healthy Homes 2011 Phoenix, AZ 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).

	Oce	cupied	Owner	Occupied	R			evere blems			Below	Below Poverty		tral City
Characteristic	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
Total Occupied Units(,000)	1,524	114,907	971	76,091	554	38,816	14	2,103	38	4,126	249	16,060	624	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	65.2%	-	82.4%	-	34.9%	-	42.8%	-	47.0%	-	45.2%	-	60.9%	-
1, attached	7.6%	5.9%	6.6%	-	9.4%	6.8%	4.7%	-	<0.1%	3.4%	11.0%	6.1%	8.9%	-
2 to 4	4.5%	7.8%	0.5%	1.9%	11.4%	19.4%	7.1%	14.8%	5.3%	17.8%	9.4%	13.6%	4.9%	12.9%
5 to 9	5.6%	-	1.3%	0.8%	13.3%	-	20.2%	6.9%	14.8%	10.3%	6.4%	8.5%	6.2%	7.4%
10 to 19	6.0%	4.4%	0.4%	0.7%	15.8%	11.6%	11.5%	8.1%	12.3%	7.3%	9.3%	6.9%	7.3%	-
20 to 49	3.5%	-	0.6%	-	8.6%	-	2.0%	6.5%	5.5%	6.9%	6.7%	-	4.3%	6.1%
50 or more	2.4%	3.6%	0.6%	1.0%	5.6%	8.8%	3.4%	7.0%	3.6%	7.0%	4.8%	6.1%	3.0%	8.7%
Manufactured /mobile home or trailer	5.2%	6.3%	7.5%	-	1.0%	3.9%	8.3%	-	11.6%	7.8%	7.3%	10.3%	4.6%	1.3%
Year Structure Built														
Post-2000	19.9%	13.8%	21.5%	15.6%	17.0%	10.2%	4.6%	-	11.5%	4.4%	14.0%	9.3%	14.2%	10.9%
Post-1980	59.7%	38.7%	59.8%	42.1%	59.6%	32.2%	43.5%	21.1%	44.6%	22.4%	45.7%	31.1%	46.9%	27.7%
Pre-1980	40.3%	61.3%	40.2%	57.9%	40.4%	67.8%	56.5%	78.9%	55.4%	77.6%	54.3%	68.9%	53.1%	72.3%
Pre-1960	9.2%	30.9%	9.2%	29.5%	9.2%	33.4%	6.9%	47.2%	16.1%	45.7%	14.0%	34.6%	15.9%	42.7%
Pre-1940	0.9%	14.7%	1.0%	12.8%	0.6%	18.5%	<0.1%	27.4%	0.8%	24.4%	1.4%	17.2%	1.4%	22.6%

	Oce	cupied	Owner	Occupied	R	ental		evere blems	Moderate Problems		Below Poverty		Cen	tral City
Characteristic	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)	1,110	80,505	864	66,752	245	13,753	7	1,040	18	1,772	140	7,844	435	18,949
With a basement under all of house	0.2%	32.7%	0.3%	34.4%	0.1%	24.0%	<0.1%	32.2%	<0.1%	22.1%	<0.1%	27.3%	0.1%	31.9%
With a basement under part of house	0.8%	10.6%	1.1%	11.3%	<0.1%	7.2%	<0.1%	7.9%	1.8%	8.7%	<0.1%	7.3%	0.6%	8.1%
With a crawl space	0.6%	22.1%	0.6%	21.4%	0.9%	25.3%	<0.1%	24.1%	<0.1%	40.2%	0.2%	25.9%	0.5%	20.2%
On a concrete slab	97.6%	33.1%	97.5%	31.5%	98.2%	41.1%	100%	29.7%	98.2%	23.7%	98.1%	36.4%	97.7%	38.2%
In some other way	0.6%	1.6%	0.6%	1.4%	0.8%	2.4%	<0.1%	6.1%	<0.1%	5.3%	1.7%	3.2%	1.1%	1.6%
EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	1.6%	2.0%	1.8%	-	0.7%	2.9%	3.3%	9.0%	13.1%	-	3.1%	3.8%	2.6%	-
Missing roofing material	5.2%	3.6%	5.1%	3.4%	5.4%	4.1%	33.2%	9.9%	6.9%	14.3%	8.3%	5.8%	4.3%	-
Hole in roof	1.6%	-	1.1%	-	3.3%	2.4%	30.1%	7.6%	2.8%	11.9%	4.1%	-	1.9%	-
Missing bricks, siding, other outside wall material	1.7%	2.5%	1.2%	2.2%	3.3%	-	3.3%	10.7%	8.4%	14.2%	1.2%	5.0%	2.4%	3.2%
Sloping outside walls	0.6%	1.2%	0.5%	1.0%	1.2%	2.2%	3.3%	5.9%	10.3%	-	1.4%	2.3%	0.8%	1.5%
Boarded up windows	1.1%	-	1.1%	0.9%	1.0%	1.6%	18.2%	4.5%	14.1%	6.1%	1.5%	2.6%	1.1%	1.5%
Broken windows	6.0%	4.2%	6.1%	3.7%	5.5%	-	33.2%	14.1%	14.3%	18.1%	11.7%	8.6%	6.7%	4.8%
Bars on windows	6.6%	2.9%	6.5%	2.7%	6.8%	3.8%	8.6%	4.2%	15.0%	7.5%	11.6%	4.8%	9.7%	-
Foundation crumbling or has open crack or hole	4.5%	-	4.4%	-	5.0%	6.8%	3.3%	15.0%	8.0%	18.5%	9.0%	-	5.7%	-
None of the above	78.2%	-	78.5%	-	77.1%	-	51.0%	64.2%	50.6%	-	66.8%	-	73.9%	-
None of the above(excluding bars)	83.0%	-	83.4%	-	81.6%	-	59.6%	-	54.7%	-	73.3%	-	81.1%	-
Water Leakage During Last 12 Months														

	Oco	cupied	Owner	Occupied	R	ental		evere blems	Moderate Problems		Below Poverty		Cen	tral City
Characteristic	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
With leakage from outside structure	7.9%	11.0%	8.2%	11.5%	7.2%	9.8%	36.3%	17.4%	34.2%	-	8.1%	11.6%	9.0%	11.6%
Roof	5.5%	-	6.2%	-	4.4%	-	23.7%	10.0%	15.3%	-	4.7%	6.5%	6.2%	-
Basement leak	<0.1%	2.8%	<0.1%	3.4%	<0.1%	1.4%	<0.1%	2.5%	<0.1%	5.1%	<0.1%	1.9%	<0.1%	2.6%
Walls, closed windows, or doors leak	1.6%	2.2%	1.7%	-	1.5%	3.0%	<0.1%	4.7%	17.6%	8.9%	1.3%	2.8%	2.3%	2.9%
Other or Unknown exterior Leak	1.0%	-	0.6%	1.1%	1.5%	-	12.6%	2.9%	2.8%	-	2.3%	1.3%	0.8%	1.4%
INTERIOR														
Damage														
Holes in floors	1.1%	-	1.0%	-	1.4%	-	16.8%	7.2%	16.8%	9.9%	1.6%	2.1%	1.8%	1.3%
Open cracks or holes	4.4%	-	3.6%	-	5.8%	7.1%	13.9%	18.1%	24.0%	29.9%	6.7%	8.6%	5.0%	6.7%
Broken plaster or peeling paint	1.4%	2.1%	0.9%	1.5%	2.4%	3.1%	7.8%	-	11.6%	18.6%	3.9%	-	2.2%	3.2%
Water Leakage During Last 12 Months														
With leakage from inside structure	8.2%	-	6.7%	-	10.9%	-	22.2%	16.2%	29.9%	-	9.8%	-	8.1%	10.0%
Fixtures backed up or overflowed	2.0%	-	1.4%	-	2.9%	-	1.9%	4.9%	8.5%	6.6%	0.9%	2.2%	2.3%	-
Pipes leaked	3.7%	-	2.5%	-	5.7%	-	17.8%	8.4%	16.3%	12.5%	6.3%	-	4.3%	-
Broken water heater	0.9%	-	1.3%	0.9%	0.2%	0.8%	2.6%	1.4%	1.8%	-	0.5%	1.0%	0.2%	0.7%
Other or Unknown	1.9%	2.4%	1.6%	-	2.5%	3.6%	<0.1%	3.2%	5.8%	-	2.3%	3.0%	1.6%	2.9%
Rodents														
Signs of rats in last 3 mon.	0.6%	1.0%	0.4%	0.9%	1.0%	1.3%	4.4%	3.3%	4.2%	-	1.0%	1.8%	1.2%	1.4%
Signs of mice in last 3 mon.	1.8%	11.1%	1.9%	11.7%	1.6%	10.0%	1.8%	17.7%	5.0%	20.0%	2.8%	12.5%	2.8%	9.9%

	Oco	cupied	Owner	Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		tral City
Characteristic	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	Nationa
Signs of rodents, not sure which kind in last 3 mon.	0.1%	0.6%	0.2%	0.5%	<0.1%	0.8%	<0.1%	1.5%	<0.1%	1.6%	0.1%	1.0%	0.1%	0.7%
Electrical														
No electrical wiring	<0.1%	-	<0.1%	0.1%	0.1%	-	<0.1%	3.2%	<0.1%	0.1%	<0.1%	0.3%	0.1%	-
Exposed wiring	3.3%	1.6%	3.0%	1.3%	3.7%	2.1%	1.3%	6.2%	2.7%	3.9%	5.1%	2.5%	4.3%	1.6%
Rooms without electric outlets	0.8%	-	0.6%	-	1.2%	-	<0.1%	6.5%	1.0%	2.2%	2.2%	1.4%	0.7%	1.0%
Fuses/breakers blown in last 3 mon.	11.8%	9.4%	13.1%	9.4%	9.4%	-	22.2%	14.7%	18.7%	-	8.6%	-	11.5%	-
Sanitation														
Lacking complete kitchen facilities	1.4%	1.7%	1.2%	0.6%	1.9%	4.0%	5.7%	8.4%	56.4%	44.4%	2.4%	3.3%	2.3%	2.8%
Lacking some or all plumbing facilities	0.6%	1.3%	0.4%	0.8%	1.0%	2.1%	67.4%	-	<0.1%	0.0%	0.6%	2.1%	0.9%	1.8%
Water not safe to drink	18.4%	8.3%	16.1%	6.2%	22.6%	12.3%	36.1%	14.7%	29.6%	14.9%	30.6%	13.1%	24.4%	10.1%
Water stoppage in last 3 mon.	3.4%	-	1.9%	3.5%	6.0%	-	3.9%	8.3%	7.5%	9.4%	4.2%	-	3.4%	-
No flush toilets working some time in last 3 mon.	2.0%	-	1.4%	1.1%	3.2%	-	3.5%	5.7%	6.5%	9.8%	3.2%	-	2.4%	-
With sewage disposal breakdowns in last 3 mon.	1.6%	-	1.3%	-	2.0%	-	14.3%	3.7%	4.2%	-	3.2%	2.0%	2.6%	1.6%
Septic tank, cesspool, chemical toilet	3.5%	19.6%	4.5%	25.7%	1.8%	7.5%	4.4%	15.6%	1.4%	16.1%	4.8%	14.7%	1.1%	-
With septic tank or cesspool breakdowns in last 3 mon.	<0.1%	-	0.1%	0.3%	<0.1%	0.2%	<0.1%	0.8%	<0.1%	0.8%	<0.1%	0.4%	<0.1%	-

## HEATING/FUEL

Main Heating Equipment Warm-air furnace 47.6% -26.7% 39.1% 49.3% 64.1% 49.9% 67.9% 48.3% -52.2% -52.5% -Steam or hot water system 0.1% 11.0% <0.1% 9.7% 0.4% 13.5% <0.1% 18.6% <0.1% 14.0% 0.1% 10.9% 0.3% 15.6%

	Осо	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
Electric heat pump	47.1%	11.8%	47.0%	12.9%	47.2%	9.6%	47.6%	7.1%	47.1%	4.8%	38.1%	9.7%	43.1%	8.5%
Built-in electric units	0.1%	4.2%	<0.1%	2.6%	0.2%	7.4%	<0.1%	5.2%	<0.1%	5.6%	0.2%	5.9%	<0.1%	3.9%
Floor, wall, or other built-in hot air without ducts	1.3%	3.9%	0.8%	2.4%	2.2%	6.9%	1.3%	7.0%	5.5%	-	4.1%	6.7%	1.3%	5.2%
Room heaters with flue	0.1%	0.8%	0.2%	0.7%	<0.1%	1.0%	<0.1%	1.1%	<0.1%	1.1%	<0.1%	1.4%	0.2%	0.6%
Room heaters without flue	0.3%	1.0%	0.1%	0.8%	0.6%	1.2%	<0.1%	2.5%	10.1%	25.2%	0.2%	2.2%	0.1%	0.7%
Portable electric heaters	1.1%	-	1.3%	0.9%	0.7%	1.8%	1.8%	3.9%	1.4%	2.0%	4.2%	3.0%	1.4%	-
Stoves	0.1%	0.9%	0.2%	1.2%	<0.1%	0.5%	<0.1%	4.0%	<0.1%	1.0%	<0.1%	1.2%	0.3%	-
Fireplace with inserts	<0.1%	0.2%	<0.1%	0.2%	<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	0.3%	-	0.4%	-	0.3%	-	<0.1%	1.1%	7.5%	0.3%	0.9%	-	0.5%	-
No heating equipment	0.2%	0.4%	0.1%	-	0.2%	0.7%	1.7%	1.1%	1.7%	0.7%	0.1%	0.6%	0.2%	0.7%
Cooking stove	<0.1%	0.1%	<0.1%	-	<0.1%	0.1%	<0.1%	0.2%	<0.1%	0.3%	<0.1%	0.2%	<0.1%	0.1%
Water Heating Fuel														
Electricity	63.6%	41.3%	57.7%	39.0%	73.8%	45.7%	72.4%	38.7%	55.8%	39.0%	68.0%	46.9%	60.4%	31.9%
Gas, LP/bottled gas	35.5%	54.3%	40.9%	56.6%	26.0%	49.7%	27.6%	53.8%	43.3%	55.2%	31.5%	49.2%	38.8%	62.8%
Fuel oil	<0.1%	4.1%	<0.1%	4.0%	<0.1%	4.3%	<0.1%	6.5%	<0.1%	5.1%	<0.1%	3.6%	<0.1%	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	1.0%	0.4%	1.4%	0.4%	0.2%	-	<0.1%	1.0%	0.9%	0.5%	0.5%	-	0.8%	0.2%
Clothes Dryer(,000)	1,275	93,052	916	72,397	360	20,655	8	1,139	21	2,344	158	9,825	481	21,908
Have Clothes Dryer	83.7%	-	94.3%	-	65.0%	-	56.9%	-	55.6%	-	63.3%	-	77.1%	-
Electricity	87.4%	-	85.2%	-	93.0%	-	93.8%	-	81.3%	-	92.2%	-	85.1%	-
Gas, LP gas (liquid propane)	12.6%	21.8%	14.8%	23.5%	7.0%	15.8%	6.2%	21.0%	18.7%	-	7.8%	17.8%	14.9%	25.6%
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%	0.1%

Heating Problems

	Осо	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	4.2%	9.1%	3.5%	7.7%	5.8%	12.5%	47.9%	-	8.3%	22.2%	7.0%	13.7%	5.9%	10.1%
Heating equipment breakdowns	1.1%	2.3%	0.7%	1.9%	1.7%	3.2%	30.0%	-	1.3%	4.1%	1.3%	3.8%	1.2%	3.0%
Other causes	2.5%	5.9%	2.7%	5.5%	2.3%	6.7%	2.9%	11.0%	5.7%	15.4%	3.9%	8.0%	3.7%	6.0%
Utility interruption	0.2%	1.9%	0.2%	2.3%	<0.1%	1.1%	<0.1%	1.5%	<0.1%	1.9%	<0.1%	1.6%	0.4%	1.1%
Inadequate heating capacity	0.5%	1.1%	0.4%	0.7%	0.6%	2.0%	1.3%	3.9%	4.7%	-	1.0%	2.2%	0.8%	1.7%
Inadequate insulation	0.2%	1.1%	0.1%	0.7%	0.3%	1.8%	<0.1%	3.1%	<0.1%	5.0%	0.1%	2.0%	0.1%	1.4%
Cost of heating	0.9%	-	1.0%	-	0.8%	1.1%	1.6%	-	<0.1%	2.8%	0.9%	1.3%	1.5%	0.8%
Other	0.8%	1.3%	0.9%	1.2%	0.7%	1.6%	<0.1%	3.5%	1.0%	3.2%	1.9%	-	1.0%	1.6%
SELECTED PHYSICAL PROBLEMS														
Severe Physical Problems(,000)	14	2,103	5	907	9	1,196	14	2,103			5	522	8	909
Severe physical problems	0.9%	1.8%	0.5%	1.2%	1.7%	3.1%	100%	-			1.9%	3.3%	1.3%	2.7%
Plumbing	0.6%	1.2%	0.4%	0.8%	1.0%	2.1%	67.4%	-			0.6%	2.1%	0.9%	1.8%
Heating	0.3%	-	0.1%	-	0.6%	0.9%	30.0%	-			1.1%	-	0.4%	0.8%
Electric	<0.1%	0.1%	<0.1%	0.1%	<0.1%	-	<0.1%	3.1%			<0.1%	0.1%	<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%	4.4%	2.5%			0.1%	-	<0.1%	0.1%
Moderate Physical Problems(,000)	38	4,126	19	1,568	19	2,558			38	4,126	8	1,170	23	1,628
Moderate physical problems	2.5%	3.6%	1.9%	-	3.4%	6.6%			100%	-	3.3%	7.3%	3.7%	4.9%
Plumbing	0.1%	-	0.1%	-	0.3%	-			5.8%	-	0.3%	-	0.2%	-
Heating	0.3%	0.9%	0.1%	0.8%	0.6%	1.1%			10.1%	25.2%	0.2%	2.1%	0.1%	0.7%
Upkeep	1.4%	-	1.2%	0.5%	1.8%	3.7%			56.4%	44.4%	2.2%	2.9%	2.2%	-
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	0.7%	1.0%	0.7%	-	0.8%	1.7%			29.5%	-	0.7%	2.3%	1.2%	1.6%

	Осс	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		tral City
Characteristic	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National	MSA	National
OVERALL OPINION OF STRUCTURE														
1(worst)	0.4%	-	0.1%	-	0.8%	1.1%	1.6%	3.4%	2.1%	3.0%	0.3%	1.5%	0.4%	0.7%
2	0.6%	0.3%	0.1%	-	1.5%	0.7%	<0.1%	1.9%	<0.1%	1.6%	1.2%	0.9%	0.9%	0.5%
3	1.1%	0.7%	0.3%	-	2.5%	1.2%	14.9%	3.5%	5.5%	2.9%	3.0%	1.6%	1.0%	-
4	0.9%	-	0.5%	-	1.5%	1.8%	2.6%	-	6.3%	3.3%	2.4%	-	1.0%	-
5	4.8%	-	2.8%	-	8.3%	-	27.3%	9.6%	8.6%	11.8%	9.7%	-	5.4%	-
6	4.2%	-	2.9%	3.7%	6.6%	-	6.9%	-	6.3%	10.5%	7.7%	-	5.0%	6.2%
7	13.4%	-	10.1%	-	19.0%	-	3.9%	16.5%	27.4%	15.5%	11.0%	14.5%	12.9%	16.1%
8	27.8%	-	28.2%	-	27.0%	-	15.2%	21.2%	23.3%	-	26.1%	-	29.5%	-
9	16.0%	-	18.1%	-	12.5%	-	7.8%	11.1%	5.0%	10.6%	11.1%	-	15.6%	-
10(best)	30.9%	-	36.8%	-	20.4%	-	19.9%	-	15.5%	19.0%	27.6%	-	28.3%	-

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