

**American Housing Survey - Selected Elements Related to Healthy Homes  
Kansas City, MO-KS in 2011 and 2002**

*2002 is only reported if >=5% (relative) and 0.1% (absolute) different from*

*2011 (otherwise "-" is listed).*

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002
Total Occupied Units(,000)	782	697	508	487	274	210	9	13	13	19	98	66	300	178
<b>GENERAL</b>														
Owner occupied(,000)	508	487	508	487	.	.	3	9	4	8	42	28	181	105
Renter occupied(,000)	274	210	.	.	274	210	5	4	9	11	56	39	120	73
Owner occupied	64.9%	69.8%	100%	-	.	.	38.8%	67.8%	28.6%	42.4%	42.7%	-	60.1%	-
Renter occupied	35.1%	30.2%	.	.	100%	-	61.2%	32.2%	71.4%	57.6%	57.3%	-	39.9%	-
<b>Units in Structure</b>														
1, detached	70.7%	-	91.8%	-	31.7%	28.5%	76.0%	-	51.2%	56.8%	63.8%	54.7%	68.6%	-
1, attached	7.0%	12.4%	3.7%	-	13.1%	32.5%	4.9%	10.6%	2.3%	6.8%	6.2%	19.3%	6.1%	13.2%
2 to 4	6.9%	3.1%	1.2%	-	17.3%	8.6%	7.0%	1.6%	10.4%	-	10.1%	4.8%	8.9%	4.4%
5 to 9	4.0%	-	0.1%	-	11.0%	9.3%	1.7%	-	21.2%	7.6%	4.4%	-	3.3%	-
10 to 19	4.6%	-	0.5%	-	12.2%	10.5%	3.8%	-	4.4%	6.0%	3.2%	6.3%	4.2%	-
20 to 49	2.9%	-	<0.1%	-	8.1%	4.5%	<0.1%	-	2.6%	-	2.4%	-	4.2%	-
50 or more	2.0%	-	0.2%	-	5.3%	4.8%	3.1%	-	2.4%	-	6.0%	5.1%	2.6%	-
Manufactured /mobile home or trailer	1.9%	-	2.4%	-	1.1%	-	3.5%	8.3%	5.5%	7.0%	3.8%	-	2.0%	-
<b>Year Structure Built</b>														
Post-2000	12.6%	4.7%	13.7%	4.8%	10.8%	4.4%	<0.1%	4.2%	6.1%	2.0%	3.4%	-	12.9%	2.5%
Post-1980	39.0%	35.6%	41.0%	37.6%	35.3%	31.2%	14.7%	25.0%	18.7%	13.7%	18.9%	23.1%	32.7%	23.0%
Pre-1980	61.0%	64.4%	59.0%	62.4%	64.7%	68.8%	85.3%	75.0%	81.3%	86.3%	81.1%	76.9%	67.3%	77.0%
Pre-1960	28.7%	32.3%	28.7%	32.4%	28.8%	32.0%	68.4%	34.5%	39.8%	52.2%	48.0%	-	37.1%	50.3%
Pre-1940	11.0%	12.8%	9.8%	12.3%	13.2%	14.0%	35.3%	13.3%	15.2%	27.1%	16.1%	25.4%	19.4%	24.3%

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002
Foundation (for 1-unit not manufactured)														
1-Unit not manufactured(,000)	608	595	485	467	123	128	7	11	7	12	69	49	224	143
With a basement under all of house	65.9%	-	70.5%	-	47.6%	41.0%	23.0%	62.1%	67.9%	60.0%	55.4%	-	67.2%	-
With a basement under part of house	20.3%	16.9%	20.2%	18.7%	20.8%	10.0%	64.1%	17.4%	21.5%	16.7%	21.4%	12.1%	22.1%	15.6%
With a crawl space	6.8%	7.3%	5.0%	6.5%	13.9%	10.3%	8.5%	11.7%	4.1%	14.2%	11.3%	7.2%	4.8%	5.3%
On a concrete slab	6.4%	11.5%	3.9%	-	16.0%	36.0%	4.3%	7.2%	4.3%	9.2%	11.0%	20.9%	5.7%	11.9%
In some other way	0.7%	-	0.4%	-	1.7%	-	<0.1%	1.7%	2.1%	-	1.0%	-	0.2%	-
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EXTERIOR														
External Building Conditions(non multiunit)														
Sagging roof	1.5%	-	1.3%	-	2.7%	-	8.9%	3.0%	3.7%	16.6%	1.1%	-	0.8%	-
Missing roofing material	2.6%	-	2.3%	-	4.2%	5.0%	8.0%	9.4%	30.6%	15.5%	4.3%	5.1%	2.1%	-
Hole in roof	1.4%	-	1.2%	-	2.3%	-	1.8%	6.1%	28.2%	17.7%	3.8%	-	2.2%	-
Missing bricks, siding, other outside wall material	2.8%	-	2.4%	-	4.3%	-	8.1%	4.6%	35.7%	16.9%	6.4%	2.7%	4.1%	-
Sloping outside walls	1.1%	-	1.1%	-	1.4%	-	4.2%	-	11.8%	13.0%	1.3%	-	0.8%	-
Boarded up windows	1.2%	-	0.5%	-	4.2%	-	4.0%	-	9.5%	6.2%	3.7%	-	2.3%	-
Broken windows	4.7%	-	4.7%	-	4.6%	5.7%	14.3%	9.1%	20.6%	25.8%	6.9%	6.4%	4.9%	5.8%
Bars on windows	5.9%	3.5%	5.2%	3.3%	8.7%	4.5%	2.0%	-	30.1%	10.8%	14.4%	7.7%	11.5%	8.2%
Foundation crumbling or has open crack or hole	7.1%	4.3%	6.9%	3.9%	7.8%	5.9%	25.6%	9.4%	52.5%	34.1%	10.6%	7.3%	7.3%	4.9%
None of the above	76.8%	-	78.9%	-	68.4%	75.9%	72.6%	-	34.0%	-	66.7%	72.3%	71.9%	-
None of the above(excluding bars)	81.0%	-	82.8%	-	74.3%	78.8%	72.6%	-	35.7%	-	77.1%	-	80.2%	-

<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>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>
<b>Water Leakage During Last 12 Months</b>														
With leakage from outside structure	14.9%	-	15.5%	-	13.8%	-	17.8%	12.7%	54.9%	51.4%	11.1%	10.0%	16.3%	15.0%
Roof	6.6%	5.9%	6.5%	5.9%	6.9%	6.1%	10.7%	8.8%	29.9%	-	6.3%	4.4%	7.2%	6.7%
Basement leak	4.9%	7.1%	5.3%	8.0%	4.0%	5.1%	8.9%	4.7%	11.5%	27.6%	2.7%	-	4.3%	7.2%
Walls, closed windows, or doors leak	3.0%	-	2.9%	-	3.1%	-	2.0%	-	12.9%	21.0%	1.9%	-	3.2%	-
Other or Unknown exterior Leak	1.6%	-	2.0%	-	0.8%	-	3.9%	-	3.7%	10.4%	1.7%	-	2.3%	-
<b>INTERIOR</b>														
<b>Damage</b>														
Holes in floors	0.7%	-	0.4%	-	1.4%	-	7.7%	4.7%	12.5%	10.7%	1.2%	-	1.1%	-
Open cracks or holes	5.1%	6.5%	5.1%	5.4%	5.1%	9.3%	14.9%	19.2%	44.0%	46.4%	8.5%	10.4%	4.5%	7.8%
Broken plaster or peeling paint	1.7%	-	0.9%	-	3.2%	-	10.6%	4.3%	33.8%	27.0%	5.3%	3.7%	2.8%	-
<b>Water Leakage During Last 12 Months</b>														
With leakage from inside structure	10.0%	7.4%	7.8%	6.4%	14.0%	9.6%	21.2%	5.6%	38.0%	41.2%	14.8%	9.4%	11.5%	8.0%
Fixtures backed up or overflowed	2.4%	-	2.0%	-	3.1%	-	3.2%	-	11.5%	-	1.2%	-	3.0%	-
Pipes leaked	4.1%	-	3.1%	-	5.8%	5.1%	12.1%	1.5%	14.7%	26.5%	5.6%	4.8%	5.7%	3.8%
Broken water heater	0.4%	-	0.4%	-	0.4%	-	1.6%	-	3.4%	-	0.6%	-	0.1%	-
Other or Unknown	3.5%	-	2.6%	-	5.1%	2.1%	5.9%	1.5%	10.4%	17.6%	7.4%	2.1%	3.3%	-
<b>Rodents</b>														
Signs of rats in last 3 mon.	0.3%	-	0.3%	-	0.3%	-	1.7%	-	1.1%	-	0.4%	-	0.7%	-

<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>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>
Signs of mice in last 3 mon.	12.5%	6.3%	13.3%	5.8%	10.9%	7.3%	15.7%	10.1%	24.1%	20.9%	20.4%	10.4%	11.0%	8.2%
Signs of rodents, not sure which kind in last 3 mon.	0.5%	-	0.2%	-	1.0%	-	3.4%	-	<0.1%	2.3%	0.4%	-	0.3%	-
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Electrical														
No electrical wiring	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
Exposed wiring	1.5%	-	1.8%	-	1.1%	-	5.3%	1.4%	2.3%	5.1%	3.1%	-	2.4%	-
Rooms without electric outlets	0.4%	-	0.2%	-	0.6%	-	5.3%	2.7%	3.5%	9.8%	0.3%	-	0.4%	-
Fuses/breakers blown in last 3 mon.	9.2%	8.5%	10.8%	8.8%	6.3%	7.8%	17.2%	19.3%	16.0%	18.8%	8.1%	8.7%	8.7%	9.2%
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Sanitation														
Lacking complete kitchen facilities	0.7%	-	0.2%	-	1.6%	-	1.6%	-	41.3%	37.3%	0.7%	-	0.4%	-
Lacking some or all plumbing facilities	0.5%	-	0.3%	-	0.9%	-	48.8%	31.7%	<0.1%	-	1.2%	-	0.7%	-
Water not safe to drink	5.0%	-	3.7%	-	7.3%	3.6%	1.8%	-	5.8%	8.9%	6.8%	4.5%	5.6%	4.0%
Water stoppage in last 3 mon.	3.4%	-	3.5%	-	3.3%	-	3.8%	-	9.0%	9.6%	2.8%	-	4.5%	-
No flush toilets working some time in last 3 mon.	1.7%	-	1.0%	-	2.8%	-	1.7%	-	8.4%	14.1%	3.2%	-	1.4%	-
With sewage disposal breakdowns in last 3 mon.	2.1%	-	1.8%	-	2.7%	-	5.0%	2.8%	6.0%	4.1%	6.6%	1.4%	2.8%	-
Septic tank, cesspool, chemical toilet	6.1%	8.4%	8.1%	10.9%	2.3%	-	6.9%	-	6.8%	-	7.4%	7.0%	1.7%	-
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	92.3%	-	93.1%	-	90.8%	-	88.1%	94.3%	92.3%	82.6%	92.4%	-	92.8%	-

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002
Steam or hot water system	1.0%	-	0.4%	-	2.0%	-	3.5%	-	1.2%	-	1.0%	-	2.0%	-
Electric heat pump	4.4%	-	4.5%	-	4.2%	-	6.7%	0.1%	2.3%	-	2.5%	-	2.6%	-
Built-in electric units	0.4%	-	0.3%	-	0.7%	-	<0.1%	-	<0.1%	1.9%	0.6%	-	0.4%	-
Floor, wall, or other built-in hot air without ducts	1.1%	-	0.9%	-	1.5%	-	<0.1%	4.3%	<0.1%	2.1%	0.9%	-	1.4%	-
Room heaters with flue	0.2%	-	0.2%	-	0.2%	-	<0.1%	-	1.1%	-	0.2%	-	0.1%	-
Room heaters without flue	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	2.1%	7.4%	<0.1%	0.5%	<0.1%	0.2%
Portable electric heaters	0.4%	-	0.5%	-	0.2%	-	<0.1%	-	1.1%	-	1.6%	-	0.7%	-
Stoves	0.1%	-	0.1%	-	0.1%	-	1.6%	-	<0.1%	-	0.2%	-	<0.1%	-
Fireplace with inserts	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	0.3%	<0.1%	-
Other	0.2%	-	0.1%	-	0.3%	-	<0.1%	-	<0.1%	-	0.4%	-	0.1%	-
Cooking stove	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
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Water Heating Fuel														
Electricity	25.0%	20.7%	17.2%	15.4%	39.6%	33.1%	28.0%	19.3%	18.7%	29.2%	23.3%	25.5%	24.2%	17.7%
Gas, LP/bottled gas	74.7%	79.2%	82.8%	-	59.6%	66.8%	72.0%	80.7%	69.1%	-	75.1%	-	75.2%	82.3%
Other	0.3%	-	<0.1%	-	0.7%	-	<0.1%	-	12.2%	0.1%	1.6%	-	0.7%	-
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Clothes Dryer(,000)	666	585	499	467	167	118	7	11	9	12	66	42	240	131
Have Clothes Dryer	85.2%	-	98.3%	-	60.9%	56.0%	84.9%	-	66.6%	-	67.0%	-	79.8%	73.5%
Electricity	85.1%	77.6%	82.5%	75.0%	93.1%	87.9%	91.4%	79.8%	93.4%	80.6%	80.5%	68.6%	84.7%	73.0%
Gas, LP gas (liquid propane)	14.9%	22.3%	17.5%	24.9%	6.9%	12.1%	8.6%	20.2%	6.6%	19.4%	19.5%	31.4%	15.3%	27.0%
Other	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	-
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Heating Problems														
Uncomfortably cold for 24 hours or more last winter	8.1%	33.9%	7.4%	35.3%	9.8%	30.1%	64.4%	74.5%	21.3%	43.6%	9.2%	28.9%	7.6%	40.5%
Heating equipment breakdowns	2.3%	-	2.3%	-	2.3%	-	47.0%	65.3%	5.6%	5.0%	3.1%	-	2.6%	-

Characteristic	Occupied		Owner Occupied		Rental		Severe Problems		Moderate Problems		Below Poverty		Central City	
	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002	2011	2002
Other causes	4.7%	28.7%	4.6%	31.4%	4.8%	22.5%	6.9%	10.0%	15.8%	31.8%	4.5%	23.2%	3.6%	35.3%
Utility interruption	1.4%	25.3%	1.8%	28.6%	0.6%	17.4%	4.9%	8.6%	2.1%	22.2%	0.3%	16.7%	1.2%	27.0%
Inadequate heating capacity	0.6%	-	0.4%	-	1.0%	-	2.1%	-	2.2%	-	0.9%	-	0.3%	-
Inadequate insulation	1.0%	-	0.8%	-	1.3%	-	2.1%	-	5.7%	2.5%	1.6%	-	0.8%	-
Cost of heating	1.0%	-	1.1%	-	0.8%	-	<0.1%	-	1.2%	6.8%	0.7%	-	0.8%	-
Other	1.1%	6.2%	0.9%	6.4%	1.5%	5.8%	<0.1%	4.7%	6.9%	14.4%	1.9%	8.4%	0.8%	15.1%

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SELECTED PHYSICAL PROBLEMS

Severe Physical Problems(,000)	9	13	3	9	5	4	9	13	.	.	2	1	5	1
Severe physical problems	1.1%	-	0.7%	-	1.9%	-	100%	-	.	.	1.9%	-	1.5%	-
Plumbing	0.5%	-	0.3%	-	0.9%	-	48.8%	31.7%	.	.	1.2%	-	0.7%	-
Heating	0.5%	-	0.3%	-	0.9%	-	45.5%	65.3%	.	.	0.6%	-	0.8%	-
Electric	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	1.4%	.	.	<0.1%	-	<0.1%	-
Hallways	<0.1%	-	<0.1%	-	<0.1%	-	<0.1%	1.6%	.	.	<0.1%	-	<0.1%	-
Upkeep	0.1%	-	<0.1%	-	0.1%	-	5.6%	1.4%	.	.	0.2%	-	0.1%	-
Moderate Physical Problems(,000)	13	19	4	8	9	11	.	.	13	19	4	4	5	6
Moderate physical problems	1.6%	-	0.7%	-	3.3%	5.1%	.	.	100%	-	3.6%	6.0%	1.6%	-
Plumbing	0.1%	-	0.1%	-	<0.1%	-	.	.	3.5%	7.6%	<0.1%	0.8%	0.1%	-
Heating	<0.1%	-	<0.1%	-	<0.1%	-	.	.	2.1%	7.4%	<0.1%	0.5%	<0.1%	0.2%
Upkeep	0.7%	-	0.2%	-	1.6%	-	.	.	41.3%	37.3%	0.7%	-	0.4%	-
Hallways	<0.1%	-	<0.1%	-	<0.1%	0.4%	.	.	<0.1%	4.0%	<0.1%	0.6%	<0.1%	0.3%
Kitchen	0.9%	-	0.5%	-	1.6%	-	.	.	53.2%	45.7%	2.9%	-	1.1%	-

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OVERALL OPINION OF STRUCTURE

<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>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>	<i>2011</i>	<i>2002</i>
	1(worst)	0.6%	-	0.2%	-	1.4%	-	3.3%	-	2.2%	-	0.9%	-	0.5%
2	0.1%	-	<0.1%	-	0.3%	-	<0.1%	1.6%	2.2%	-	0.8%	-	0.3%	-
3	0.5%	-	0.5%	-	0.6%	-	3.3%	-	1.1%	-	2.0%	-	0.8%	-
4	0.8%	-	0.2%	-	1.9%	-	1.8%	-	2.4%	7.5%	0.6%	-	0.5%	-
5	5.4%	6.4%	4.9%	-	6.3%	10.2%	5.3%	6.9%	17.8%	13.4%	15.1%	10.2%	7.0%	7.9%
6	4.7%	5.9%	2.9%	-	7.9%	9.0%	2.3%	8.9%	11.5%	-	10.1%	7.2%	5.2%	7.5%
7	14.4%	-	13.3%	12.0%	16.5%	17.8%	24.5%	8.8%	11.5%	21.7%	13.3%	-	17.2%	15.0%
8	29.6%	27.5%	28.4%	-	31.8%	26.5%	16.4%	33.2%	32.5%	20.9%	22.8%	20.7%	28.7%	26.4%
9	15.6%	14.6%	17.0%	15.8%	13.1%	11.8%	5.9%	11.5%	6.3%	7.2%	11.8%	8.7%	17.1%	11.8%
10(best)	28.2%	29.7%	32.6%	-	20.2%	-	37.3%	22.1%	12.5%	-	22.5%	33.3%	22.6%	28.6%

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