



## APPENDIX TABLES



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The following tables can be downloaded in Microsoft Excel format from the Joint Center’s website at [www.jchs.harvard.edu](http://www.jchs.harvard.edu).

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TABLE A-1

## Housing Cost-Burdened Households by Tenure and Income: 2003, 2008, 2012, and 2013

Thousands

Tenure and Income	2003			2008			2012			2013		
	Moderate Burden	Severe Burden	Total	Moderate Burden	Severe Burden	Total	Moderate Burden	Severe Burden	Total	Moderate Burden	Severe Burden	Total
<b>Owners</b>												
Under \$15,000	911	2,848	4,683	876	3,122	4,847	943	3,425	5,351	902	3,464	5,317
\$15,000–29,999	2,024	2,044	8,458	2,081	2,489	8,481	2,278	2,486	9,189	2,237	2,316	8,954
\$30,000–44,999	2,385	1,136	9,457	2,462	1,628	9,504	2,572	1,330	9,929	2,412	1,195	9,730
\$45,000–74,999	3,419	777	17,308	4,036	1,433	17,727	3,413	923	17,385	3,081	807	17,244
\$75,000 and Over	2,516	312	32,518	4,041	706	34,783	2,541	348	32,373	2,164	300	32,689
Total	11,254	7,117	72,424	13,496	9,378	75,342	11,748	8,512	74,227	10,797	8,082	73,933
<b>Renters</b>												
Under \$15,000	952	5,202	7,679	1,047	5,806	8,350	1,163	7,144	9,993	1,118	7,017	9,769
\$15,000–29,999	3,280	2,456	8,117	3,431	2,787	8,494	3,935	3,280	9,566	3,947	3,326	9,576
\$30,000–44,999	2,163	397	6,699	2,351	554	6,817	2,581	654	7,268	2,669	670	7,353
\$45,000–74,999	933	112	7,622	1,250	162	7,788	1,394	172	8,165	1,480	193	8,463
\$75,000 and Over	186	11	5,886	271	14	6,310	298	10	6,750	334	09	7,196
Total	7,514	8,178	36,004	8,349	9,323	37,760	9,371	11,261	41,742	9,549	11,216	42,358
<b>All Households</b>												
Under \$15,000	1,863	8,050	12,362	1,924	8,928	13,197	2,106	10,569	15,344	2,021	10,481	15,086
\$15,000–29,999	5,304	4,500	16,575	5,511	5,277	16,975	6,213	5,766	18,755	6,184	5,642	18,530
\$30,000–44,999	4,548	1,533	16,157	4,812	2,182	16,322	5,153	1,984	17,197	5,081	1,865	17,083
\$45,000–74,999	4,351	890	24,930	5,286	1,595	25,515	4,808	1,096	25,550	4,562	1,000	25,707
\$75,000 and Over	2,702	323	38,404	4,312	719	41,093	2,840	359	39,123	2,498	309	39,885
Total	18,768	15,295	108,428	21,846	18,701	113,101	21,119	19,773	115,970	20,345	19,297	116,291

Notes: Moderate (severe) burdens are defined as housing costs of 30–50% (more than 50%) of household income. Households with zero or negative income are assumed to be severely burdened, while renters paying no cash rent are assumed to be unburdened. Income cutoffs are adjusted to 2013 dollars by the CPI-U for All Items.

Source: JCHS tabulations of US Census Bureau, American Community Surveys.

TABLE A-2

## Housing Market Indicators: 1980–2014

Year	Permits <sup>1</sup> (Thousands)		Starts <sup>2</sup> (Thousands)			Size <sup>3</sup> (Median sq. ft.)		Sales Price of Single-Family Homes (2013 dollars)	
	Single-Family	Multifamily	Single-Family	Multifamily	Manufactured	Single-Family	Multifamily	New <sup>4</sup>	Existing <sup>5</sup>
1980	710	480	852	440	222	1,595	915	185,596	178,270
1981	564	421	705	379	241	1,550	930	179,440	172,213
1982	546	454	663	400	240	1,520	925	170,008	166,083
1983	901	704	1,068	636	296	1,565	893	178,978	165,965
1984	922	759	1,084	665	295	1,605	871	182,052	164,735
1985	957	777	1,072	670	284	1,605	882	185,473	165,800
1986	1,078	692	1,179	626	244	1,660	876	198,720	173,358
1987	1,024	510	1,146	474	233	1,755	920	217,772	178,333
1988	994	462	1,081	407	218	1,810	940	225,129	178,503
1989	932	407	1,003	373	198	1,850	940	229,099	180,050
1990	794	317	895	298	188	1,905	955	222,608	175,394
1991	754	195	840	174	171	1,890	980	208,578	177,335
1992	911	184	1,030	170	211	1,920	985	205,014	177,257
1993	987	213	1,126	162	254	1,945	1,005	207,246	177,347
1994	1,068	303	1,198	259	304	1,940	1,015	207,663	180,068
1995	997	335	1,076	278	340	1,920	1,040	207,998	179,934
1996	1,069	356	1,161	316	363	1,950	1,030	211,237	183,902
1997	1,062	379	1,134	340	354	1,975	1,050	215,349	188,860
1998	1,188	425	1,271	346	373	2,000	1,020	221,486	196,021
1999	1,247	417	1,302	339	348	2,028	1,041	228,778	199,293
2000	1,198	394	1,231	338	250	2,057	1,039	232,337	200,728
2001	1,236	401	1,273	329	193	2,103	1,104	234,196	206,537
2002	1,333	415	1,359	346	169	2,114	1,070	246,869	218,697
2003	1,461	428	1,499	349	131	2,137	1,092	250,889	229,424
2004	1,613	457	1,611	345	131	2,140	1,105	276,965	241,634
2005	1,682	473	1,716	353	147	2,227	1,143	292,011	263,636
2006	1,378	461	1,465	336	117	2,259	1,192	289,461	260,554
2007	980	419	1,046	309	96	2,230	1,134	283,044	246,070
2008	576	330	622	284	82	2,174	1,089	255,205	215,264
2009	441	142	445	109	50	2,103	1,124	239,123	190,340
2010	447	157	471	116	50	2,151	1,137	240,801	187,540
2011	418	206	431	178	52	2,267	1,093	239,116	173,583
2012	519	311	535	245	55	2,310	1,051	252,827	181,251
2013	621	370	618	307	60	2,460	1,099	273,262	199,112
2014	640	412	647	356	64	2,414	1,080	282,800	207,125

Notes: All value series are adjusted to 2014 dollars by the CPI-U for All Items. All links are as of April 2015. na indicates data not available.

(a) 2014 permits from new 2014 universe.

Sources:

1. US Census Bureau, New Privately Owned Housing Units Authorized by Building Permits, [http://www.census.gov/construction/hrc/xls/permits\\_cust.xls](http://www.census.gov/construction/hrc/xls/permits_cust.xls).

2. US Census Bureau, New Privately Owned Housing Units Started in the United States by Purpose and Design, [http://www.census.gov/construction/hrc/xls/quarterly\\_starts\\_completions\\_cust.xls](http://www.census.gov/construction/hrc/xls/quarterly_starts_completions_cust.xls); Shipments of New Manufactured Homes, <http://www.census.gov/construction/mhs/xls/shiphist.xls> & <http://www.census.gov/construction/mhs/xls/shipmentstostate11-15.xls>. Data from 1980-2010 retrieved from JCHS historical tables. Manufactured housing starts are defined as shipments of new manufactured homes.

3. US Census Bureau, New Privately Owned Housing Units Started in the United States by Purpose and Design, [http://www.census.gov/construction/hrc/xls/quarterly\\_starts\\_completions\\_cust.xls](http://www.census.gov/construction/hrc/xls/quarterly_starts_completions_cust.xls) and JCHS historical tables.

Vacancy Rates <sup>6</sup> (Percent)		Value Put in Place <sup>7</sup> (Millions of 2014 dollars)			Home Sales (Thousands)	
For Sale	For Rent	Single-Family	Multifamily	Owner Improvements	New <sup>8</sup>	Existing <sup>9</sup>
1.4	5.4	152,043	48,002	na	545	2,973
1.4	5.0	135,335	45,472	na	436	2,419
1.5	5.3	101,716	38,118	na	412	1,990
1.5	5.7	172,356	53,354	na	623	2,697
1.7	5.9	196,851	64,302	na	639	2,829
1.7	6.5	192,183	62,790	na	688	3,134
1.6	7.3	224,923	67,042	na	750	3,474
1.7	7.7	244,272	53,041	na	671	3,436
1.6	7.7	240,324	44,622	na	676	3,513
1.8	7.4	230,873	42,582	na	650	3,010
1.7	7.2	204,470	34,867	na	534	2,917
1.7	7.4	172,819	26,329	na	509	2,886
1.5	7.4	205,817	22,094	na	610	3,155
1.4	7.3	229,565	17,674	93,824	666	3,429
1.5	7.4	259,274	22,493	103,261	670	3,542
1.5	7.6	238,468	27,789	88,103	667	3,523
1.6	7.8	257,694	30,666	100,158	757	3,795
1.6	7.7	258,387	33,752	98,285	804	3,963
1.7	7.9	289,615	35,690	105,093	886	4,496
1.7	8.1	318,069	38,983	106,618	880	4,650
1.6	8.0	325,530	38,850	111,482	877	4,602
1.8	8.4	332,962	40,510	113,653	908	4,732
1.7	8.9	349,892	43,363	128,770	973	4,974
1.8	9.8	399,588	45,181	129,103	1,086	5,444
1.7	10.2	473,167	50,059	144,622	1,203	5,958
1.9	9.8	525,486	57,332	158,905	1,283	6,180
2.4	9.7	488,499	62,006	170,190	1,051	5,677
2.7	9.7	348,449	55,900	158,823	776	4,398
2.8	10.0	204,270	48,752	132,104	485	3,665
2.6	10.6	116,236	31,491	123,631	375	3,870
2.6	10.2	122,212	15,944	121,121	323	3,708
2.5	9.5	113,851	15,826	127,260	306	3,786
2.0	8.7	136,122	23,210	129,971	368	4,128
2.0	8.3	173,538	32,854	135,270	429	4,484
1.9	7.6	191,644	43,602	113,771	437	4,344

4. New home price is the median price from US Census Bureau, Median and Average Sales Price of New One-Family Houses Sold, [www.census.gov/construction/nrs/xls/usprice\\_cust.xls](http://www.census.gov/construction/nrs/xls/usprice_cust.xls)  
5. Existing home price is the median sales price of existing single-family homes determined by the National Association of Realtors®, obtained from and annualized by Moody's Analytics.  
6. US Census Bureau, Housing Vacancy Survey, <http://www.census.gov/housing/hws/data/ann13ind.html>.  
7. US Census Bureau, Annual Value of Private Construction Put in Place, [http://www.census.gov/construction/c30/historical\\_data.html](http://www.census.gov/construction/c30/historical_data.html); data 1980-1993 retrieved from past JCHS reports. Single-family and multifamily are new construction. Owner improvements do not include expenditures on rental, seasonal, and vacant properties.  
8. US Census Bureau, Houses Sold by Region, [http://www.census.gov/construction/nrs/xls/sold\\_cust.xls](http://www.census.gov/construction/nrs/xls/sold_cust.xls).  
9. National Association of Realtors®, Existing Single-Family Home Sales obtained from and annualized by Moody's Analytics, and JCHS historical tables.

TABLE A-3

## Monthly Housing and Non-Housing Expenditures by Households: 2013

Dollars

Share of Expenditures on Housing	Housing Expenditures	Non-Housing Expenditures							
		Total	Transportation	Food	Clothes	Healthcare	Personal Insurance and Pensions	Entertainment	Other
<b>Quartile 1 (Lowest)</b>									
Less than 30%	251	1,061	178	361	22	140	73	60	227
30-50%	528	819	133	298	21	88	68	50	161
Over 50%	742	489	60	216	14	43	37	33	86
All	448	863	139	310	20	102	64	51	176
<b>Quartile 2</b>									
Less than 30%	489	2,022	363	527	47	254	238	114	478
30-50%	947	1,526	270	476	39	135	224	90	291
Over 50%	1,416	1,018	169	366	25	82	144	62	171
All	754	1,735	308	492	42	192	224	100	377
<b>Quartile 3</b>									
Less than 30%	748	3,194	546	694	83	374	484	187	827
30-50%	1,459	2,427	417	628	68	217	425	145	526
Over 50%	2,360	1,540	239	467	36	179	233	87	298
All	1,042	2,881	492	663	76	318	453	169	711
<b>Quartile 4 (Highest)</b>									
Less than 30%	1,294	7,480	2,090	1,013	165	574	1,029	431	2,178
30-50%	2,772	4,597	650	923	143	406	905	293	1,277
Over 50%	4,487	3,114	422	742	87	283	618	208	754
All	1,699	6,758	1,748	985	158	531	990	396	1,950

Notes: Quartiles are equal fourths of households ranked by total expenditures. Housing expenditures include mortgage principal and interest, insurance, taxes, maintenance, rents, and utilities.  
Source: JCHS tabulations of the US Bureau of Labor Statistics, 2013 Consumer Expenditure Survey.