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## APPENDIX TABLES

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**Table A-2**..... Housing Cost-Burdened Households by Tenure and Income: 2001, 2013, and 2014

Additional tables can be downloaded in Microsoft Excel format at [www.jchs.harvard.edu](http://www.jchs.harvard.edu), including:

**Table W-1**..... Homeownership Rates by Age, Race/Ethnicity, and Region: 1994–2015

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## Housing Market Indicators: 1980–2015

Year	Permits <sup>1</sup> (Thousands)		Starts (Thousands)			Size <sup>4</sup> (Median sq. ft.)		Median Sales Price of Single-Family Homes (2015 dollars)	
	Single-Family	Multifamily	Single-Family <sup>2</sup>	Multifamily <sup>2</sup>	Manufactured <sup>3</sup>	Single-Family	Multifamily	New <sup>5</sup>	Existing <sup>4</sup>
1980	710	480	852	440	222	1,595	915	185,817	178,482
1981	564	421	705	379	241	1,550	930	179,653	172,417
1982	546	454	663	400	240	1,520	925	170,210	166,280
1983	901	704	1,068	636	296	1,565	893	179,191	166,162
1984	922	759	1,084	665	295	1,605	871	182,268	164,931
1985	957	777	1,072	670	284	1,605	882	185,693	165,996
1986	1,078	692	1,179	626	244	1,660	876	198,956	173,564
1987	1,024	510	1,146	474	233	1,755	920	218,031	178,545
1988	994	462	1,081	407	218	1,810	940	225,397	178,714
1989	932	407	1,003	373	198	1,850	940	229,371	180,264
1990	794	317	895	298	188	1,905	955	222,872	175,602
1991	754	195	840	174	171	1,890	980	208,826	177,545
1992	911	184	1,030	170	211	1,920	985	205,257	177,467
1993	987	213	1,126	162	254	1,945	1,005	207,492	177,558
1994	1,068	303	1,198	259	304	1,940	1,015	207,910	180,282
1995	997	335	1,076	278	340	1,920	1,040	208,245	180,147
1996	1,069	356	1,161	316	363	1,950	1,030	211,487	184,120
1997	1,062	379	1,134	340	354	1,975	1,050	215,604	189,084
1998	1,188	425	1,271	346	373	2,000	1,020	221,749	196,254
1999	1,247	417	1,302	339	348	2,028	1,041	229,050	199,530
2000	1,198	394	1,231	338	250	2,057	1,039	232,613	200,967
2001	1,236	401	1,273	329	193	2,103	1,104	234,474	206,782
2002	1,333	415	1,359	346	169	2,114	1,070	247,162	218,956
2003	1,461	428	1,499	349	131	2,137	1,092	251,186	229,696
2004	1,613	457	1,611	345	131	2,140	1,105	277,294	241,921
2005	1,682	473	1,716	353	147	2,227	1,143	292,357	263,949
2006	1,378	461	1,465	336	117	2,248	1,172	289,805	260,864
2007	980	419	1,046	309	96	2,277	1,197	283,380	246,362
2008	576	330	622	284	82	2,215	1,122	255,508	215,520
2009	441	142	445	109	50	2,135	1,113	239,407	190,566
2010	447	157	471	116	50	2,169	1,110	241,087	187,762
2011	418	206	431	178	52	2,233	1,124	239,399	173,789
2012	519	311	535	245	55	2,306	1,098	253,128	181,467
2013	621	370	618	307	60	2,384	1,059	273,586	200,840
2014	640	412	648	355	64	2,453	1,073	283,136	209,148
2015	696	487	715	397	71	2,467	1,074	296,400	223,900

Notes: All value series are adjusted to 2015 dollars by the CPI-U for All Items. All links are as of May 2016. n/a indicates data not available.

## Sources:

1. US Census Bureau, New Privately Owned Housing Units Authorized by Building Permits in Permit-Issuing Places, [http://www.census.gov/construction/nrc/xls/permits\\_cust.xls](http://www.census.gov/construction/nrc/xls/permits_cust.xls).
2. US Census Bureau, New Privately Owned Housing Units Started, [https://www.census.gov/construction/nrc/xls/starts\\_cust.xls](https://www.census.gov/construction/nrc/xls/starts_cust.xls).
3. US Census Bureau, Shipments of New Manufactured Homes, <http://www.census.gov/construction/mhs/pdf/shiphist.pdf> & <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.
4. US Census Bureau, New Privately Owned Housing Units Completed in the United States by Purpose and Design, [http://www.census.gov/construction/nrc/xls/quarterly\\_starts\\_completions\\_cust.xls](http://www.census.gov/construction/nrc/xls/quarterly_starts_completions_cust.xls) and JCHS historical tables.
5. New home price is the median price from US Census Bureau, Median and Average Sales Price of New One-Family Houses Sold, [http://www.census.gov/construction/nrs/xls/usprice\\_cust.xls](http://www.census.gov/construction/nrs/xls/usprice_cust.xls).

Vacancy Rates <sup>7</sup> (Percent)		Value Put in Place <sup>8</sup> (Millions of 2015 dollars)			Home Sales (Thousands)	
For Sale	For Rent	Single-Family	Multifamily	Owner Improvements	New <sup>9</sup>	Existing <sup>10</sup>
1.4	5.4	152,223	48,059	n/a	545	2,973
1.4	5.0	135,496	45,526	n/a	436	2,419
1.5	5.3	101,836	38,163	n/a	412	1,990
1.5	5.7	172,561	53,417	n/a	623	2,697
1.7	5.9	197,085	64,378	n/a	639	2,829
1.7	6.5	192,411	62,865	n/a	688	3,134
1.6	7.3	225,190	67,122	n/a	750	3,474
1.7	7.7	244,561	53,103	n/a	671	3,436
1.6	7.7	240,609	44,675	n/a	676	3,513
1.8	7.4	231,147	42,632	n/a	650	3,010
1.7	7.2	204,712	34,909	n/a	534	2,917
1.7	7.4	173,024	26,361	n/a	509	2,886
1.5	7.4	206,061	22,120	n/a	610	3,155
1.4	7.3	229,838	17,695	93,936	666	3,429
1.5	7.4	259,582	22,520	103,384	670	3,542
1.5	7.6	238,751	27,822	88,208	667	3,523
1.6	7.8	258,000	30,702	100,277	757	3,795
1.6	7.7	258,694	33,792	98,401	804	3,963
1.7	7.9	289,959	35,733	105,218	886	4,496
1.7	8.1	318,446	39,030	106,744	880	4,650
1.6	8.0	325,916	38,896	111,614	877	4,602
1.8	8.4	333,358	40,558	113,788	908	4,732
1.7	8.9	350,307	43,414	128,923	973	4,974
1.8	9.8	400,063	45,234	129,257	1,086	5,444
1.7	10.2	473,729	50,119	144,794	1,203	5,958
1.9	9.8	526,110	57,400	174,476	1,283	6,180
2.4	9.7	489,079	62,079	163,409	1,051	5,677
2.7	9.7	348,862	55,966	153,982	776	4,398
2.8	10.0	204,512	48,810	142,074	485	3,665
2.6	10.6	116,374	31,528	125,561	375	3,870
2.6	10.2	122,357	15,963	124,761	323	3,708
2.5	9.5	113,987	15,844	127,399	306	3,786
2.0	8.7	136,283	23,238	118,986	368	4,128
2.0	8.3	173,744	32,049	123,224	429	4,484
1.9	7.6	193,830	41,856	134,799	437	4,344
1.8	7.1	218,523	51,899	147,838	501	4,646

6. Existing home price is the median sales price of existing single-family homes determined by the National Association of Realtors® (NAR), obtained from NAR and Moody's Economy.com.

7. US Census Bureau, Housing Vacancy Survey, <http://www.census.gov/housing/hvs/data/ann15ind.html>.

8. 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.

9. US Census Bureau, Houses Sold by Region, [http://www.census.gov/construction/hrs/xls/sold\\_cust.xls](http://www.census.gov/construction/hrs/xls/sold_cust.xls).

10. National Association of Realtors®, Existing Single-Family Home Sales obtained from and annualized by Moody's Economy.com, and JCHS historical tables.

TABLE A-2

## Housing Cost-Burdened Households by Tenure and Income: 2001, 2013, and 2014

Thousands

Tenure and Income	2001				2013				2014			
	Not Burdened	Moderately Burdened	Severely Burdened	Total	Not Burdened	Moderately Burdened	Severely Burdened	Total	Not Burdened	Moderately Burdened	Severely Burdened	Total
<b>Owners</b>												
Under \$15,000	1,008	855	2,683	4,547	921	882	3,438	5,240	871	873	3,395	5,140
\$15,000–29,999	4,314	1,803	1,816	7,933	4,325	2,220	2,320	8,865	4,160	2,227	2,296	8,683
\$30,000–44,999	5,711	2,037	991	8,739	6,019	2,392	1,198	9,609	5,957	2,369	1,151	9,477
\$45,000–74,999	13,100	3,293	723	17,116	13,179	3,084	816	17,079	13,216	3,015	764	16,996
\$75,000 and Over	29,098	2,282	272	31,651	30,612	2,219	310	33,141	31,398	2,109	281	33,787
Total	53,231	10,270	6,485	69,986	55,055	10,797	8,082	73,933	55,602	10,593	7,888	74,083
<b>Renters</b>												
Under \$15,000	1,460	933	4,921	7,314	1,613	1,096	6,973	9,682	1,577	1,109	6,943	9,629
\$15,000–29,999	2,369	3,218	2,101	7,688	2,283	3,921	3,352	9,555	2,189	3,851	3,517	9,557
\$30,000–44,999	4,134	2,098	321	6,553	3,958	2,680	683	7,321	3,821	2,859	732	7,412
\$45,000–74,999	7,390	900	102	8,392	6,754	1,504	197	8,455	6,880	1,652	211	8,743
\$75,000 and Over	6,304	186	12	6,502	6,986	349	10	7,345	7,437	383	16	7,835
Total	21,658	7,335	7,457	36,450	21,593	9,549	11,216	42,358	21,905	9,854	11,418	43,176
<b>All Households</b>												
Under \$15,000	2,469	1,788	7,604	11,861	2,533	1,977	10,411	14,921	2,448	1,982	10,339	14,769
\$15,000–29,999	6,683	5,021	3,918	15,622	6,608	6,141	5,672	18,421	6,350	6,078	5,812	18,241
\$30,000–44,999	9,846	4,135	1,311	15,292	9,977	5,072	1,881	16,930	9,778	5,227	1,883	16,889
\$45,000–74,999	20,490	4,193	825	25,508	19,933	4,587	1,013	25,534	20,096	4,668	975	25,739
\$75,000 and Over	35,402	2,468	284	38,153	37,597	2,568	320	40,485	38,834	2,491	297	41,622
Total	74,889	17,605	13,942	106,436	76,648	20,345	19,297	116,291	77,507	20,447	19,306	117,259

Notes: Moderate (severe) burdens are defined as housing costs of more than 30% and up to 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 2014 dollars by the CPI-U for All Items.

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