



# H·CUP

HEALTHCARE COST AND UTILIZATION PROJECT

## HCUP Methods Series



Agency for Healthcare  
Research and Quality



U.S. Department of Health and Human Services  
Agency for Healthcare Research and Quality

**Contact Information:**  
**Healthcare Cost and Utilization Project (HCUP)**  
**Agency for Healthcare Research and Quality**  
**5600 Fishers Lane**  
**Room 07W17B**  
**Mail Stop 7W25B**  
**Rockville, MD 20857**  
**<http://www.hcup-us.ahrq.gov>**

**For Technical Assistance with HCUP Products:**

**Email: [hcup@ahrq.gov](mailto:hcup@ahrq.gov)**

**or**

**Phone: 1-866-290-HCUP**

Recommended Citation: McDermott KW, Welch JA, Barrett ML, Jiang HJ. *An Examination of CHIP and Medicaid Expected Payer Coding in HCUP Databases, Supplement 3*. 2018. HCUP Methods Series Report # 2018-02 ONLINE. September 24, 2018. U.S. Agency for Healthcare Research and Quality. Available: <http://www.hcup-us.ahrq.gov/reports/methods/methods.jsp>.

## **Table of Contents**

[Table 3A. Ratio of CHIP Enrollment to Overall Child Population \(0-18 Years\) Versus Ratio of CHIP Discharges to Overall Discharges in HCUP for Children \(0-18 Years\)](#)

[Table 3B. Ratio of Medicaid/CHIP Enrollment to Overall Child Population \(0-18 Years\) Versus Ratio of Medicaid/CHIP Discharges to Overall Discharges in HCUP for Children \(0-18 Years\)](#)

[Table 3C. Ratio of Medicaid Enrollment to Overall Adult Population Aged 19-64 Years Versus Ratio of Medicaid Discharges to Overall Discharges in HCUP for Adults Aged 19-64 Years](#)

[Table 3D. Ratio of Medicaid Enrollment to Overall Adult Population Aged 65+ Years Versus Ratio of Medicaid Discharges to Overall Discharges in HCUP for Adults Aged 65+ Years](#)

[Table 3E. Ratio of Medicaid/CHIP Enrollment to Overall Population Versus Ratio of Medicaid/CHIP Discharges to Overall Discharges in HCUP](#)

**Table 3A. Ratio of CHIP Enrollment to Overall Child Population Aged 0-18 Years Versus Ratio of CHIP Discharges for Children Aged 0-18 Years in Healthcare Cost and Utilization Project (HCUP) State Inpatient Databases (SID), Fiscal Year (FY) 2013, Calendar Year 2016**

State	SEDS Enrollment and U.S. Census Population Data (FY 2013)			HCUP SID (FY 2013)			HCUP SID (2016) <sup>a</sup>		
	Children Aged 0-18 Years Enrolled in CHIP	Overall Child Population (Ages 0-18 Years)	Ratio of Children Aged 0-18 Years in CHIP to Overall Child Population	CHIP Discharges for Children Aged 0-18 Years	All Discharges for Children Aged 0-18 Years	Ratio of CHIP Discharges for Children Aged 0-18 Years to Overall Discharges for Children Aged 0-18 Years	CHIP Discharges for Children Aged 0-18 Years	All Discharges for Children Aged 0-18 Years	Ratio of CHIP Discharges for Children Aged 0-18 Years to Overall Discharges for Children Aged 0-18 Years
Florida	472,471	4,265,249	0.1108	3,119	335,256	0.0093	2,973	329,504	0.0090
Georgia	269,906	2,628,128	0.1027	154	165,564	0.0009	99	162,807	0.0006
Kansas <sup>b</sup>	76,164	764,575	0.0996	2,811	48,007	0.0586	294	45,413	0.0065
Montana <sup>b</sup>	44,661	236,478	0.1889	532	14,833	0.0359	1,227	14,962	0.0820
Tennessee	106,473	1,575,238	0.0676	2,498	93,536	0.0267	3,571	88,193	0.0405
Utah	63,001	938,532	0.0671	460	66,842	0.0069	388	65,089	0.0060
West Virginia	37,065	405,406	0.0914	375	26,699	0.0140	176	23,152	0.0076

<sup>a</sup> 2016 HCUP data are provided for comparison purposes. Corresponding 2016 enrollment data are not available.

<sup>b</sup> Kansas and Montana data were not included in Figure 1 of the Methods Report.

Data Sources:

Medicaid.gov. FY 2014 Unduplicated Number of Children Ever Enrolled in Medicaid and CHIP. [www.medicaid.gov/chip/downloads/fy-2014-childrens-enrollment-report.pdf](http://www.medicaid.gov/chip/downloads/fy-2014-childrens-enrollment-report.pdf)

U.S. Census Bureau, Population Division. Annual Estimates of the Resident Population for Selected Age Groups by Sex for the United States, States: April 1, 2010 to July 1, 2014. June, 2015. <https://factfinder.census.gov>

Agency for Healthcare Research and Quality (AHRQ), HCUP State Inpatient Databases, Q4 2012, Q1-Q3 2013, 2016.

**Table 3B. Ratio of Medicaid/CHIP Enrollment to Overall Child Population Aged 0-18 Years Versus Ratio of Medicaid/CHIP Discharges for Children Aged 0-18 Years in Healthcare Cost and Utilization Project (HCUP) State Inpatient Databases (SID), Fiscal Year (FY) 2013, Calendar Year 2016**

State	SEDS Enrollment and U.S. Census Population Data (FY 2013)			HCUP SID (FY 2013)			HCUP SID (2016) <sup>a</sup>		
	Children Aged 0-18 Years Enrolled in Medicaid and CHIP	Overall Child Population (Ages 0-18 Years)	Ratio of Children Aged 0-18 Years in Medicaid/CHIP to Overall Child Population	Medicaid/CHIP Discharges for Children Aged 0-18 Years	All Discharges for Children Aged 0-18 Years	Ratio of Medicaid/CHIP Discharges for Children Aged 0-18 Years to Overall Discharges for Children Aged 0-18 Years	Medicaid/CHIP Discharges for Children Aged 0-18 Years	All Discharges for Children Aged 0-18 Years	Ratio of Medicaid/CHIP Discharges for Children Aged 0-18 Years to Overall Discharges for Children Aged 0-18 Years
Arizona	993,509	1,707,713	0.5818	64,401	119,968	0.5368	63,499	112,116	0.5664
Arkansas	516,422	747,284	0.6911	33,242	50,822	0.6541	27,994	50,102	0.5587
California	5,705,404	9,730,964	0.5863	347,067	697,002	0.4979	331,539	669,895	0.4949
Colorado	537,340	1,306,595	0.4113	38,238	84,503	0.4525	34,953	77,803	0.4493
Connecticut	344,413	841,266	0.4094	26,980	53,503	0.5043	25,278	49,666	0.5090
Florida	2,591,795	4,265,249	0.6077	199,961	335,256	0.5964	193,436	329,504	0.5871
Georgia	1,432,435	2,628,128	0.5450	104,199	165,564	0.6294	99,683	162,807	0.6123
Hawaii	169,237	323,971	0.5224	10,379	21,755	0.4771	9,365	19,779	0.4735
Illinois	1,930,455	3,207,696	0.6018	105,310	215,683	0.4883	81,410	196,343	0.4146
Indiana	854,219	1,675,183	0.5099	55,089	108,373	0.5083	49,127	100,588	0.4884
Iowa	402,047	767,288	0.5240	23,490	49,021	0.4792	23,156	47,586	0.4866
Kansas	313,190	764,575	0.4096	19,893	48,007	0.4144	19,683	45,413	0.4334
Kentucky	569,355	1,072,574	0.5308	43,195	73,127	0.5907	37,004	66,757	0.5543
Louisiana	820,697	1,174,517	0.6988	55,290	86,046	0.6426	55,765	85,857	0.6495
Maine	204,840	279,896	0.7318	8,623	16,622	0.5188	7,146	15,371	0.4649
Maryland	625,463	1,428,838	0.4377	46,926	88,978	0.5274	42,399	84,237	0.5033
Massachusetts	673,052	1,498,398	0.4492	45,196	101,134	0.4469	44,895	95,797	0.4686
Michigan	1,285,319	2,393,123	0.5371	81,310	159,934	0.5084	82,876	155,663	0.5324
Minnesota	509,099	1,350,852	0.3769	28,647	92,848	0.3085	31,037	90,875	0.3415
Missouri	652,183	1,478,244	0.4412	58,069	107,710	0.5391	57,514	106,734	0.5389
Montana	128,108	236,478	0.5417	6,449	14,833	0.4348	7,146	14,962	0.4776
Nebraska	220,821	489,673	0.4510	13,423	35,665	0.3764	12,963	33,562	0.3862
Nevada	284,735	693,497	0.4106	19,461	44,623	0.4361	25,713	46,228	0.5562
New Jersey	868,959	2,142,188	0.4056	54,124	147,796	0.3662	51,653	133,626	0.3865
New Mexico	389,658	536,814	0.7259	25,471	37,134	0.6859	23,595	34,344	0.6870
New York	2,814,874	4,529,094	0.6215	196,576	353,364	0.5563	189,994	336,372	0.5648
North Carolina	1,423,062	2,416,718	0.5888	92,732	155,964	0.5946	85,111	151,568	0.5615
North Dakota	62,238	171,819	0.3622	3,716	10,996	0.3379	4,095	13,238	0.3093
Ohio	1,403,830	2,811,761	0.4993	101,324	203,182	0.4987	93,810	193,023	0.4860
Oklahoma	706,173	996,475	0.7087	46,877	74,152	0.6322	41,567	68,269	0.6089
Oregon	529,782	906,453	0.5845	24,551	53,847	0.4559	28,829	54,421	0.5297
Pennsylvania	1,576,935	2,901,363	0.5435	100,990	202,004	0.4999	93,358	186,164	0.5015
Rhode Island	138,579	232,353	0.5964	7,706	16,232	0.4747	7,889	15,389	0.5126
South Carolina	658,484	1,142,433	0.5764	47,641	78,200	0.6092	43,385	73,157	0.5930
South Dakota	64,580	219,130	0.2947	7,190	16,774	0.4286	7,681	16,681	0.4605
Tennessee	897,396	1,575,238	0.5697	57,753	93,536	0.6174	56,159	88,193	0.6368
Texas	4,538,999	7,403,239	0.6131	281,632	517,750	0.5440	281,682	512,873	0.5492
Utah	346,214	938,532	0.3689	26,428	66,842	0.3954	21,079	65,089	0.3238
Vermont	79,905	133,519	0.5985	3,562	6,504	0.5477	3,071	6,074	0.5056
Virginia	845,084	1,977,786	0.4273	46,172	122,615	0.3766	43,477	117,940	0.3686
Washington	812,460	1,680,195	0.4836	49,202	103,751	0.4742	51,134	106,036	0.4822
West Virginia	297,391	405,406	0.7336	16,796	26,699	0.6291	14,658	23,152	0.6331
Wisconsin	717,883	1,387,271	0.5175	44,488	89,103	0.4993	38,785	82,528	0.4700
Wyoming	67,459	145,135	0.4648	3,666	8,666	0.4230	2,901	7,550	0.3842

<sup>a</sup> 2016 HCUP data are provided for comparison purposes. Corresponding 2016 enrollment data are not available.

**Table 3B. Ratio of Medicaid/CHIP Enrollment to Overall Child Population Aged 0-18 Years Versus Ratio of Medicaid/CHIP Discharges for Children Aged 0-18 Years in Healthcare Cost and Utilization Project (HCUP) State Inpatient Databases (SID), Fiscal Year (FY) 2013, Calendar Year 2016**

State	SEDS Enrollment and U.S. Census Population Data (FY 2013)			HCUP SID (FY 2013)			HCUP SID (2016) <sup>a</sup>		
	Children Aged 0-18 Years Enrolled in Medicaid and CHIP	Overall Child Population (Ages 0-18 Years)	Ratio of Children Aged 0-18 Years in Medicaid/CHIP to Overall Child Population	Medicaid/CHIP Discharges for Children Aged 0-18 Years	All Discharges for Children Aged 0-18 Years	Ratio of Medicaid/CHIP Discharges for Children Aged 0-18 Years to Overall Discharges for Children Aged 0-18 Years	Medicaid/CHIP Discharges for Children Aged 0-18 Years	All Discharges for Children Aged 0-18 Years	Ratio of Medicaid/CHIP Discharges for Children Aged 0-18 Years to Overall Discharges for Children Aged 0-18 Years

Data Sources:

Medicaid.gov. FY 2014 Unduplicated Number of Children Ever Enrolled in Medicaid and CHIP. [www.medicaid.gov/chip/downloads/fy-2014-childrens-enrollment-report.pdf](http://www.medicaid.gov/chip/downloads/fy-2014-childrens-enrollment-report.pdf)

U.S. Census Bureau, Population Division. Annual Estimates of the Resident Population for Selected Age Groups by Sex for the United States, States: April 1, 2010 to July 1, 2014. June, 2015. Available from: <https://factfinder.census.gov>

Agency for Healthcare Research and Quality (AHRQ), HCUP State Inpatient Databases, Q4 2012, Q1-Q3 2013, 2016.

**Table 3C. Ratio of Medicaid Enrollment to Overall Adult Population Aged 19-64 Years Versus Ratio of Medicaid/CHIP Discharges to Overall Discharges in Healthcare Cost and Utilization Project (HCUP) State Inpatient Databases (SID) for Adults Aged 19-64 Years, Fiscal Year (FY) 2013, Calendar Year 2016**

State	MSIS Enrollment and U.S. Census Population Data (FY 2013)			HCUP SID (FY 2013)			HCUP SID (2016) <sup>a</sup>		
	Adults Aged 19-64 Years Enrolled in Medicaid	Overall Population for Adults Aged 19-64 Years	Ratio of Adults Aged 19-64 Years in Medicaid to Overall Population for Adults Aged 19-64 Years	Medicaid/CHIP Discharges for Adults Aged 19-64 Years	All Discharges for Adults Aged 19-64 Years	Ratio of Medicaid/CHIP Discharges for Adults Aged 19-64 Years to Overall Discharges for Adults Aged 19-64 Years	Medicaid/CHIP Discharges for Adults Aged 19-64 Years	All Discharges for Adults Aged 19-64 Years	Ratio of Medicaid/CHIP Discharges for Adults Aged 19-64 to Overall Discharges for Adults Aged 19-64 Years
Arizona	714,100	3,899,173	0.1831	91,442	317,454	0.2880	126,070	296,907	0.4246
Arkansas	247,900	1,757,620	0.1410	52,817	155,316	0.3401	52,057	159,788	0.3258
California	6,406,500	23,853,351	0.2686	547,285	1,717,515	0.3186	754,233	1,713,700	0.4401
Colorado	257,300	3,306,825	0.0778	62,428	211,696	0.2949	97,527	215,420	0.4527
Connecticut	408,200	2,214,872	0.1843	81,621	182,160	0.4481	86,112	173,934	0.4951
Florida	1,583,000	11,657,625	0.1358	317,222	1,136,237	0.2792	308,645	1,204,712	0.2562
Georgia	627,400	6,165,871	0.1018	169,289	478,908	0.3535	172,832	484,620	0.3566
Hawaii	150,500	863,416	0.1743	18,647	53,052	0.3515	19,720	52,632	0.3747
Illinois	1,216,200	7,946,540	0.1530	254,758	668,599	0.3810	252,103	631,794	0.3990
Indiana	485,200	3,978,711	0.1219	104,923	326,471	0.3214	106,983	316,625	0.3379
Iowa	302,600	1,843,254	0.1642	40,918	119,380	0.3428	50,133	117,608	0.4263
Kansas	130,500	1,726,363	0.0756	32,166	122,633	0.2623	34,507	120,844	0.2855
Kentucky	351,100	2,693,755	0.1303	92,690	247,851	0.3740	125,130	244,890	0.5110
Louisiana	512,800	2,839,693	0.1806	83,380	237,666	0.3508	110,257	256,080	0.4306
Maine	182,200	816,005	0.2233	24,619	56,135	0.4386	21,869	53,656	0.4076
Maryland	559,400	3,711,321	0.1507	113,544	309,661	0.3667	126,986	277,653	0.4574
Massachusetts	827,800	4,216,355	0.1963	123,914	335,459	0.3694	139,690	326,368	0.4280
Michigan	1,013,900	6,025,763	0.1683	163,311	552,636	0.2955	223,071	545,408	0.4090
Minnesota	587,100	3,311,285	0.1773	66,180	235,200	0.2814	83,074	238,038	0.3490
Missouri	451,300	3,660,326	0.1233	135,283	352,946	0.3833	136,667	343,768	0.3976
Montana	47,800	612,826	0.0780	11,832	39,056	0.3029	17,741	40,439	0.4387
Nebraska	88,600	1,113,617	0.0796	18,192	83,495	0.2179	22,354	78,679	0.2841
Nevada	126,600	1,712,824	0.0739	34,354	125,664	0.2734	63,821	136,354	0.4681
New Jersey	403,400	5,484,891	0.0735	96,216	450,833	0.2134	138,849	429,574	0.3232
New Mexico	257,000	1,245,546	0.2063	31,856	85,120	0.3742	46,426	87,959	0.5278
New York	3,255,400	12,331,269	0.2640	533,197	1,102,531	0.4836	560,663	1,061,553	0.5282
North Carolina	739,900	6,014,669	0.1230	174,714	471,579	0.3705	173,002	477,697	0.3622
North Dakota	30,700	444,125	0.0691	6,222	26,636	0.2336	8,325	30,977	0.2687
Ohio	1,288,400	7,014,708	0.1837	175,223	667,455	0.2625	227,790	631,246	0.3609
Oklahoma	380,700	2,302,136	0.1654	54,484	202,789	0.2687	49,366	193,177	0.2555
Oregon	317,900	2,413,484	0.1317	45,121	147,736	0.3054	76,927	152,118	0.5057
Pennsylvania	1,145,500	7,798,492	0.1469	270,116	722,643	0.3738	278,715	686,581	0.4059
Rhode Island	82,500	659,103	0.1252	12,963	52,011	0.2492	20,047	52,536	0.3816
South Carolina	409,800	2,897,462	0.1414	75,969	237,261	0.3202	79,999	234,247	0.3415
South Dakota	41,600	498,484	0.0835	6,467	36,198	0.1787	9,038	36,299	0.2490
Tennessee	638,800	3,967,561	0.1610	105,649	293,606	0.3598	112,433	280,504	0.4008
Texas	1,318,200	16,058,373	0.0821	357,532	1,273,121	0.2808	370,174	1,306,282	0.2834
Utah	139,400	1,671,849	0.0834	33,718	119,048	0.2832	22,011	122,603	0.1795
Vermont	114,200	391,712	0.2915	8,951	19,265	0.4646	9,337	18,922	0.4934
Virginia	407,700	5,178,526	0.0787	66,774	376,202	0.1775	66,735	368,389	0.1812
Washington	520,500	4,334,093	0.1201	92,758	279,154	0.3323	116,433	275,404	0.4228
West Virginia	179,900	1,130,898	0.1591	42,589	106,648	0.3993	47,994	94,440	0.5082
Wisconsin	613,100	3,507,579	0.1748	89,931	252,830	0.3557	98,428	241,399	0.4077
Wyoming	26,300	358,540	0.0734	5,242	21,786	0.2406	4,920	18,353	0.2681

<sup>a</sup> 2016 HCUP data are provided for comparison purposes. Corresponding 2016 enrollment data are not available.

Note: Discharge totals include discharges with Medicaid or CHIP as an expected payer. In 18 States, CHIP covers low-income pregnant women. FY 2013 adult enrollment estimates for CHIP were not available and are not reflected in totals.

Data Sources:

**Table 3C. Ratio of Medicaid Enrollment to Overall Adult Population Aged 19-64 Years Versus Ratio of Medicaid/CHIP Discharges to Overall Discharges in Healthcare Cost and Utilization Project (HCUP) State Inpatient Databases (SID) for Adults Aged 19-64 Years, Fiscal Year (FY) 2013, Calendar Year 2016**

State	MSIS Enrollment and U.S. Census Population Data (FY 2013)			HCUP SID (FY 2013)			HCUP SID (2016) <sup>a</sup>		
	Adults Aged 19-64 Years Enrolled in Medicaid	Overall Population for Adults Aged 19-64 Years	Ratio of Adults Aged 19-64 Years in Medicaid to Overall Population for Adults Aged 19-64 Years	Medicaid/CHIP Discharges for Adults Aged 19-64 Years	All Discharges for Adults Aged 19-64 Years	Ratio of Medicaid/CHIP Discharges for Adults Aged 19-64 Years to Overall Discharges for Adults Aged 19-64 Years	Medicaid/CHIP Discharges for Adults Aged 19-64 Years	All Discharges for Adults Aged 19-64 Years	Ratio of Medicaid/CHIP Discharges for Adults Aged 19-64 to Overall Discharges for Adults Aged 19-64 Years

Kaiser Family Foundation State Health Facts. FY 2013 Medicaid Enrollment by Age. <https://www.kff.org/medicaid/state-indicator/medicaid-enrollment-by-age>

U.S. Census Bureau, Population Division. Annual Estimates of the Resident Population for Selected Age Groups by Sex for the United States, States: April 1, 2010 to July 1, 2014. June, 2015. <https://factfinder.census.gov>

Agency for Healthcare Research and Quality (AHRQ), HCUP State Inpatient Databases, Q4 2012, Q1-Q3 2013, 2016.



**Table 3D. Ratio of Medicaid Enrollment to Overall Adult Population Aged 65+ Years Versus Ratio of Medicaid/CHIP Discharges to Overall Discharges in Healthcare Cost and Utilization Project (HCUP) State Inpatient Databases (SID) for Adults Aged 65+ Years, Fiscal Year (FY) 2013, Calendar Year 2016**

State	MSIS Enrollment and U.S. Census Population Data (FY 2013)			HCUP SID (FY 2013)			HCUP SID (2016) <sup>a</sup>		
	Adults Aged 65+ Years Enrolled in Medicaid	Overall Population for Adults Aged 65+ Years	Ratio of Adults Aged 65+ Years in Medicaid to Overall Population for Adults Aged 65+ Years	Medicaid/CHIP Discharges for Adults Aged 65+ Years	All Discharges for Adults Aged 65+ Years	Ratio of Medicaid/CHIP Discharges for Adults Aged 65+ Years to Overall Discharges for Adults Aged 65+ Years	Medicaid/CHIP Discharges for Adults Aged 65+ Years	All Discharges for Adults Aged 65+ Years	Ratio of Medicaid/CHIP Discharges for Adults Aged 65+ Years to Overall Discharges for Adults Aged 65+ Years
Arizona <sup>b</sup>	119,800	1,008,422	0.1188	3,169	214,904	0.0147	3,359	213,857	0.0157
Arkansas	72,700	451,495	0.1610	20,594	125,509	0.1641	15,773	121,017	0.1303
California <sup>b</sup>	1,141,800	4,754,925	0.2401	46,388	1,073,088	0.0432	48,437	1,100,150	0.0440
Colorado	51,600	638,572	0.0808	14,670	127,295	0.1152	16,169	136,271	0.1187
Connecticut	121,100	541,959	0.2234	24,230	146,310	0.1656	29,935	140,063	0.2137
Florida <sup>b</sup>	563,200	3,616,174	0.1557	11,451	955,293	0.0120	12,889	1,006,724	0.0128
Georgia	191,800	1,181,821	0.1623	47,198	291,724	0.1618	46,985	304,709	0.1542
Hawaii <sup>b</sup>	28,200	217,545	0.1296	565	37,177	0.0152	781	38,003	0.0206
Illinois	243,700	1,732,119	0.1407	85,038	493,948	0.1722	74,635	476,921	0.1565
Indiana	102,000	908,549	0.1123	23,436	245,523	0.0955	21,396	244,026	0.0877
Iowa	46,500	477,698	0.0973	12,983	115,880	0.1120	11,907	107,684	0.1106
Kansas	39,100	402,405	0.0972	9,046	99,062	0.0913	10,220	100,083	0.1021
Kentucky	99,500	629,225	0.1581	35,904	183,547	0.1956	28,956	177,395	0.1632
Louisiana	122,300	608,939	0.2008	23,316	167,224	0.1394	25,295	165,811	0.1526
Maine	62,900	232,773	0.2702	13,331	52,172	0.2555	12,603	52,235	0.2413
Maryland	86,300	786,849	0.1097	24,710	199,376	0.1239	25,187	190,314	0.1323
Massachusetts	188,000	980,861	0.1917	35,223	270,749	0.1301	29,465	276,093	0.1067
Michigan	156,100	1,475,955	0.1058	22,392	436,257	0.0513	33,187	440,026	0.0754
Minnesota	102,200	749,562	0.1363	9,493	165,449	0.0574	10,122	168,143	0.0602
Missouri	92,200	901,438	0.1023	39,227	250,598	0.1565	39,530	244,937	0.1614
Montana	13,700	163,135	0.0840	3,280	31,057	0.1056	4,071	33,281	0.1223
Nebraska	25,200	262,310	0.0961	6,144	61,715	0.0996	6,935	60,061	0.1155
Nevada	34,500	376,111	0.0917	9,362	80,655	0.1161	10,771	89,478	0.1204
New Jersey	157,600	1,275,548	0.1236	39,542	357,212	0.1107	38,393	341,623	0.1124
New Mexico	46,800	303,960	0.1540	7,155	53,707	0.1332	4,592	56,328	0.0815
New York	683,400	2,813,182	0.2429	207,107	779,770	0.2656	196,503	751,169	0.2616
North Carolina	190,300	1,392,346	0.1367	45,116	329,732	0.1368	41,619	335,918	0.1239
North Dakota	9,500	102,375	0.0928	2,145	20,500	0.1046	2,497	21,074	0.1185
Ohio <sup>b</sup>	202,900	1,740,260	0.1166	9,741	518,103	0.0188	12,229	487,557	0.0251
Oklahoma <sup>b</sup>	68,200	545,493	0.1250	1,129	149,015	0.0076	1,264	144,876	0.0087
Oregon	69,700	600,785	0.1160	11,996	110,906	0.1082	17,944	120,886	0.1484
Pennsylvania	261,300	2,078,628	0.1257	83,258	625,075	0.1332	80,994	596,800	0.1357
Rhode Island <sup>b</sup>	24,700	161,719	0.1527	471	41,313	0.0114	505	40,119	0.0126
South Carolina	87,400	719,708	0.1214	21,634	172,446	0.1255	21,131	179,301	0.1179
South Dakota <sup>b</sup>	12,900	125,144	0.1031	71	29,228	0.0024	3,556	28,723	0.1238
Tennessee	152,200	943,947	0.1612	37,690	224,626	0.1678	35,624	211,819	0.1682
Texas	489,400	2,941,222	0.1664	114,727	744,310	0.1541	111,870	808,951	0.1383
Utah	17,700	280,508	0.0631	4,231	54,627	0.0775	399	57,496	0.0069
Vermont	22,700	101,445	0.2238	3,200	16,530	0.1936	3,343	18,308	0.1826
Virginia <sup>b</sup>	116,500	1,094,803	0.1064	2,538	273,831	0.0093	3,863	273,191	0.0141
Washington	108,300	940,100	0.1152	25,717	194,680	0.1321	28,499	199,186	0.1431
West Virginia	44,100	317,971	0.1387	10,598	87,829	0.1207	9,277	77,247	0.1201
Wisconsin	144,600	843,588	0.1714	23,880	195,860	0.1219	23,824	188,091	0.1267
Wyoming	6,400	77,966	0.0821	1,593	14,846	0.1073	1,162	14,072	0.0826

<sup>a</sup> 2016 HCUP data are provided for comparison purposes. Corresponding 2016 enrollment data are not available.

**Table 3D. Ratio of Medicaid Enrollment to Overall Adult Population Aged 65+ Years Versus Ratio of Medicaid/CHIP Discharges to Overall Discharges in Healthcare Cost and Utilization Project (HCUP) State Inpatient Databases (SID) for Adults Aged 65+ Years, Fiscal Year (FY) 2013, Calendar Year 2016**

State	MSIS Enrollment and U.S. Census Population Data (FY 2013)			HCUP SID (FY 2013)			HCUP SID (2016) <sup>a</sup>		
	Adults Aged 65+ Years Enrolled in Medicaid	Overall Population for Adults Aged 65+ Years	Ratio of Adults Aged 65+ Years in Medicaid to Overall Population for Adults Aged 65+ Years	Medicaid/CHIP Discharges for Adults Aged 65+ Years	All Discharges for Adults Aged 65+ Years	Ratio of Medicaid/CHIP Discharges for Adults Aged 65+ Years to Overall Discharges for Adults Aged 65+ Years	Medicaid/CHIP Discharges for Adults Aged 65+ Years	All Discharges for Adults Aged 65+ Years	Ratio of Medicaid/CHIP Discharges for Adults Aged 65+ Years to Overall Discharges for Adults Aged 65+ Years

<sup>a</sup> HCUP Medicaid discharge totals are low for the nine HCUP States that only report a single expected payer because dual eligible beneficiaries are typically coded with Medicare as the primary (and only) expected payer.

Data Sources:

Kaiser Family Foundation State Health Facts. FY 2013 Medicaid Enrollment by Age. <https://www.kff.org/medicaid/state-indicator/medicaid-enrollment-by-age>

U.S. Census Bureau, Population Division. Annual Estimates of the Resident Population for Selected Age Groups by Sex for the United States, States: April 1, 2010 to July 1, 2014. June, 2015. <https://factfinder.census.gov>

Agency for Healthcare Research and Quality (AHRQ), HCUP State Inpatient Databases, Q4 2012, Q1-Q3 2013, 2016.

**Table 3E. Ratio of Medicaid/CHIP Enrollment to Overall Population Versus Ratio of Medicaid/CHIP Discharges to Overall Discharges in Healthcare Cost and Utilization Project (HCUP) State Inpatient Databases (SID), Fiscal Year (FY) 2013, Calendar Year 2016**

State	MSIS and SEDS Enrollment and U.S. Census Population Data (FY 2013)			HCUP SID (FY 2013)			HCUP SID (2016) <sup>a</sup>		
	Overall Enrollment in Medicaid/CHIP	Overall Population	Ratio of Overall Medicaid/CHIP Enrollment to Overall Population	Medicaid/CHIP Discharges	All Discharges	Ratio of Medicaid/CHIP Discharges to Overall Discharges	Medicaid/CHIP Discharges	All Discharges	Ratio of Medicaid/CHIP Discharges to Overall Discharges
Arizona	1,827,409	6,615,307	0.2762	159,025	652,356	0.2438	193,012	623,016	0.3098
Arkansas	837,022	2,956,399	0.2831	106,704	331,787	0.3216	95,836	330,957	0.2896
California	13,253,704	38,339,240	0.3457	940,966	3,488,157	0.2698	1,134,628	3,484,652	0.3256
Colorado	846,240	5,251,992	0.1611	115,386	423,649	0.2724	148,688	429,551	0.3461
Connecticut	873,713	3,598,096	0.2428	132,833	381,978	0.3478	141,335	363,681	0.3886
Florida	4,737,995	19,539,048	0.2425	528,689	2,426,905	0.2178	515,189	2,541,314	0.2027
Georgia	2,251,635	9,975,819	0.2257	320,832	936,385	0.3426	319,780	952,504	0.3357
Hawaii	347,937	1,404,932	0.2477	29,593	111,987	0.2643	29,873	110,430	0.2705
Illinois	3,390,355	12,886,355	0.2631	445,107	1,378,236	0.3230	408,223	1,305,186	0.3128
Indiana	1,441,419	6,562,443	0.2196	183,758	681,247	0.2697	177,546	661,362	0.2685
Iowa	751,147	3,088,240	0.2432	77,413	284,317	0.2723	85,238	272,931	0.3123
Kansas	482,790	2,893,342	0.1669	61,114	269,722	0.2266	64,423	266,369	0.2419
Kentucky	1,019,955	4,395,554	0.2320	171,791	504,532	0.3405	191,149	489,120	0.3908
Louisiana	1,455,797	4,623,149	0.3149	162,023	491,016	0.3300	191,331	507,780	0.3768
Maine	449,940	1,328,675	0.3386	46,581	124,937	0.3728	41,633	121,285	0.3433
Maryland	1,271,163	5,927,008	0.2145	185,216	598,093	0.3097	194,639	552,304	0.3524
Massachusetts	1,688,852	6,695,613	0.2522	204,367	707,391	0.2889	214,052	698,264	0.3065
Michigan	2,455,319	9,894,840	0.2481	267,057	1,148,938	0.2324	339,238	1,141,326	0.2972
Minnesota	1,198,399	5,411,699	0.2214	104,406	493,842	0.2114	124,248	497,099	0.2499
Missouri	1,195,683	6,040,008	0.1980	232,591	711,275	0.3270	233,719	695,456	0.3361
Montana	189,608	1,012,439	0.1873	21,561	84,946	0.2538	28,965	88,694	0.3266
Nebraska	334,621	1,865,599	0.1794	37,763	180,895	0.2088	42,275	172,338	0.2453
Nevada	445,835	2,782,432	0.1602	63,181	250,954	0.2518	100,305	272,063	0.3687
New Jersey	1,429,959	8,902,627	0.1606	189,924	955,948	0.1987	228,956	904,971	0.2530
New Mexico	693,458	2,086,320	0.3324	64,487	175,970	0.3665	74,630	178,654	0.4177
New York	6,753,674	19,673,545	0.3433	936,895	2,235,701	0.4191	947,167	2,149,107	0.4407
North Carolina	2,353,262	9,823,733	0.2395	312,566	957,280	0.3265	299,793	965,272	0.3106
North Dakota	102,438	718,319	0.1426	12,089	58,140	0.2079	14,919	65,292	0.2285
Ohio	2,895,130	11,566,729	0.2503	286,320	1,388,805	0.2062	333,961	1,312,078	0.2545
Oklahoma	1,155,073	3,844,103	0.3005	102,578	426,086	0.2407	92,202	406,329	0.2269
Oregon	917,382	3,920,722	0.2340	81,668	312,489	0.2613	123,736	327,481	0.3778
Pennsylvania	2,983,735	12,778,483	0.2335	454,460	1,549,861	0.2932	453,257	1,469,809	0.3084
Rhode Island	245,779	1,053,175	0.2334	21,148	109,571	0.1930	28,450	108,061	0.2633
South Carolina	1,155,684	4,759,602	0.2428	145,264	487,937	0.2977	144,564	486,782	0.2970
South Dakota	119,080	842,759	0.1413	13,743	82,276	0.1670	20,284	81,718	0.2482
Tennessee	1,688,396	6,486,746	0.2603	201,103	611,785	0.3287	204,316	580,658	0.3519
Texas	6,346,599	26,402,833	0.2404	754,649	2,536,671	0.2975	764,324	2,629,046	0.2907
Utah	503,314	2,890,889	0.1741	64,411	240,607	0.2677	43,532	245,293	0.1775
Vermont	216,805	626,676	0.3460	15,714	42,300	0.3715	15,754	43,308	0.3638
Virginia	1,369,284	8,251,114	0.1660	115,504	772,696	0.1495	114,133	759,640	0.1502
Washington	1,441,260	6,954,388	0.2072	167,686	577,609	0.2903	196,109	580,687	0.3377
West Virginia	521,391	1,854,275	0.2812	70,248	221,900	0.3166	71,947	194,866	0.3692
Wisconsin	1,475,583	5,738,437	0.2571	158,338	537,848	0.2944	161,163	512,168	0.3147
Wyoming	100,159	581,641	0.1722	10,504	45,310	0.2318	8,990	39,982	0.2249

<sup>a</sup> 2016 HCUP data are provided for comparison purposes. Corresponding 2016 enrollment data are not available.

Note: Discharge totals include discharges with Medicaid or CHIP as an expected payer. In 18 States, CHIP covers low-income pregnant women. FY 2013 adult enrollment estimates for CHIP were not available and are not reflected in totals.

Data Sources:

Kaiser Family Foundation State Health Facts. FY 2013 Medicaid Enrollment by Age. <https://www.kff.org/medicaid/state-indicator/medicaid-enrollment-by-age>

**Table 3E. Ratio of Medicaid/CHIP Enrollment to Overall Population Versus Ratio of Medicaid/CHIP Discharges to Overall Discharges in Healthcare Cost and Utilization Project (HCUP) State Inpatient Databases (SID), Fiscal Year (FY) 2013, Calendar Year 2016**

State	MSIS and SEDS Enrollment and U.S. Census Population Data (FY 2013)			HCUP SID (FY 2013)			HCUP SID (2016) <sup>a</sup>		
	Overall Enrollment in Medicaid/CHIP	Overall Population	Ratio of Overall Medicaid/CHIP Enrollment to Overall Population	Medicaid/CHIP Discharges	All Discharges	Ratio of Medicaid/CHIP Discharges to Overall Discharges	Medicaid/CHIP Discharges	All Discharges	Ratio of Medicaid/CHIP Discharges to Overall Discharges

Medicaid.gov. FY 2014 Unduplicated Number of Children Ever Enrolled in Medicaid and CHIP. [www.medicaid.gov/chip/downloads/fy-2014-childrens-enrollment-report.pdf](http://www.medicaid.gov/chip/downloads/fy-2014-childrens-enrollment-report.pdf)

U.S. Census Bureau, Population Division. Annual Estimates of the Resident Population for Selected Age Groups by Sex for the United States, States: April 1, 2010 to July 1, 2014. June, 2015. <https://factfinder.census.gov>

Agency for Healthcare Research and Quality (AHRQ), HCUP State Inpatient Databases, Q4 2012, Q1-Q3 2013, 2016.