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HEALTHCARE COST AND UTILIZATION PROJECT

HCUP Methods Series



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The Healthcare Cost and Utilization Project (HCUP) Methods Series Report *An Examination of CHIP and Medicaid Expected Payer Coding in HCUP Databases* expands on the 2014 HCUP Methods Series Report *An Examination of Expected Payer Coding in HCUP Databases* (Report # 2014-03) and informs HCUP data users about Medicaid and Children’s Health Insurance Program (CHIP) expected payer codes by (1) presenting detailed information about the Medicaid and CHIP payer codes collected by HCUP States, (2) suggesting how these payer codes can be used for research purposes, and (3) examining the extent to which HCUP data capture discharges covered by Medicaid and CHIP in comparison with publicly available enrollment data.

The Methods Series report includes a main descriptive report and three separate supplements. Supplements 1–2 include coding information for the HCUP State databases specific to the CHIP and Medicaid programs. Supplement 3 provides detailed data tables supporting the comparative figures in the main report.

This document includes the two supplements with information on the expected payer coding in the 1998–2016 HCUP State Inpatient Databases (SID), State Ambulatory Surgery and Services Databases (SASD), and State Emergency Department Databases (SEDD).

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SUPPLEMENT 1. HCUP STATE-SPECIFIC CODING FOR CHIP

The following table includes State-specific codes for the CHIP program. Only seven States in HCUP have a payer code designated solely for CHIP. The information is reported in the expected payer identifier as received from the State (HCUP data element PAY1_X – PAY3_X) and then uniformly coded to the uniform HCUP expected payer data element (PAY1 – PAY3). Although HCUP discharges identified as CHIP are uniformly coded to the “Other” payer HCUP uniform expected payer category (with the exception of Montana’s CHIP payer code and one of Georgia’s CHIP payer codes, which are uniformly coded to “Medicaid”), some studies may want to consider these discharges as Medicaid because the Census population surveys take this approach when creating insurance population estimates. Beginning with 2017 HCUP data, State-specific CHIP payer codes for Florida, Georgia, Kansas, Tennessee, Utah, and West Virginia will be uniformly coded to “Medicaid” instead of to “Other” payer. In Table 1, effective dates for coding are specified by the HCUP database: State Inpatient Databases (SID), State Ambulatory Surgery and Services Databases (SASD), and State Emergency Department Databases (SEDD).

Table 1. State-Specific Coding for CHIP

State	PAYn_X Source Value	Source Description	SID Years	SASD Years	SEDD Years	PAYn HCUP Value	PAYn HCUP Description
Florida ^a	O	KidCare	2010-2016	2010-2016	2010-2016	6	Other
Georgia ^{a,b}	361	State SCHIP Program	1998-2016	2002-2016	2002-2016	6	Other
Georgia	23	Medicaid/SCHIP	1998-2016	2002-2016	2002-2016	2	Medicaid
Kansas ^a	103	HealthWave/ Health Connect Managed Care – Kansas’ State Children’s Health Insurance Program (SCHIP)	2003-2016	2005-2016	2005-2016	6	Other
Montana	00009	Healthy Montana Kids	2009-2016	N/A	2014-2016	2	Medicaid
Tennessee ^a	12	Cover Kids	1998-2016	1999-2016	2000-2016	6	Other
Utah ^a	13	CHIP	1998-2015	1998-2015	2000-2015	6	Other

State	PAYn_X Source Value	Source Description	SID Years	SASD Years	SEDD Years	PAYn HCUP Value	PAYn HCUP Description
West Virginia ^a	28	WV Children's Health Insurance Program (CHIP)	2007-2016	N/A	N/A	6	Other

^a Beginning with 2017 HCUP data, State-specific CHIP payer codes for Florida, Georgia, Kansas, Tennessee, Utah, and West Virginia will be uniformly coded to Medicaid instead of to "Other".

^b Because the Georgia "State SCHIP Program" expected payer code was not associated with any discharges in fiscal year 2013, the Georgia CHIP discharges included in the expected payer coding analysis represent discharges coded as "Medicaid/SCHIP."

SUPPLEMENT 2. HCUP STATE-SPECIFIC CODING FOR MEDICAID

The following table includes State-specific codes for the Medicaid program. There are 48 states in HCUP with Medicaid payer codes. The information is reported in the expected payer identifier as received from the State (HCUP data element PAY1_X – PAY3_X) and then uniformly coded to the uniform HCUP expected payer data element (PAY1 – PAY3). As noted in the table, some State-specific codes initially were mapped to PAYn HCUP value “Other” but were changed to HCUP uniform value “Medicaid” in subsequent years. For the 41 states in HCUP without separate CHIP payer codes, it is assumed that CHIP discharges are identified using one of the PAYn_X values reported in Table 2. Beginning with 2017 HCUP data, State-specific CHIP payer codes for Florida, Georgia, Kansas, Tennessee, Utah, and West Virginia (summarized in Table 1) will be uniformly coded to “Medicaid” instead of to “Other” payer. In Table 2, effective dates for coding are specified by the HCUP database: State Inpatient Databases (SID), State Ambulatory Surgery and Services Databases (SASD), and State Emergency Department Databases (SEDD).

Table 2. State-Specific Coding for Medicaid

State	PAYn_X Source Value	Source Description	SID Years	SASD Years	SEDD Years	PAYn HCUP Value	PAYn HCUP Description
Alaska	02	Medicaid	2010-2012, 2016	N/A	N/A	2	Medicaid
Arizona	06	Arizona Health Care Cost Containment System (AHCCS) Health Care Group/ Medicaid	2003-2016	N/A	2005-2016	2	Medicaid
Arizona	08	Children’s Rehab Services	2013-2016	N/A	2013-2016	2	Medicaid
Arizona	08	Children’s Rehab Services	2003-2012	N/A	2005-2012	6	Other
Arkansas	D	Medicaid	2004-2014	N/A	2013-2014	2	Medicaid
California	020	Medi-Cal	1999-2016	2005-2016	2005-2016	2	Medicaid
California	021	Medi-Cal (HMO)	1999-2016	2005-2016	2005-2016	2	Medicaid

State	PAYn_X Source Value	Source Description	SID Years	SASD Years	SEDD Years	PAYn HCUP Value	PAYn HCUP Description
California	022	Medi-Cal (Managed Care- Other)	1999-2016	2005-2016	2005-2016	2	Medicaid
California	023	Medi-Cal (Fee-for-Service)	1999-2016	2005-2016	2005-2016	2	Medicaid
Colorado	05	Medicaid	1998-2016	1998-2016	N/A	2	Medicaid
Connecticut	D	Medicaid	1998-2016	1998-2016	1998-2016	2	Medicaid
Connecticut	J	Medicaid Managed Care	1998-2016	1998-2016	1998-2016	2	Medicaid
District of Columbia	D	Medicaid (Out of Region)	2013-2016	2014-2016	2014-2016	2	Medicaid
District of Columbia	Daaa	Medicaid (Out of Region) with Payer Type	2014-2016	2014-2016	2014-2016	2	Medicaid
District of Columbia	F	D.C. Medicaid	2013-2016	2014-2016	2014-2016	2	Medicaid
District of Columbia	Faaa	D.C. Medicaid with Payer Type	2014-2016	2014-2016	2014-2016	2	Medicaid
District of Columbia	G	Maryland Medicaid	2013-2016	2014-2016	2014-2016	2	Medicaid
District of Columbia	Gaaa	Maryland Medicaid with Payer Type	2014-2016	2014-2016	2014-2016	2	Medicaid
District of Columbia	4	Medicaid Pending	2013-2016	2014-2016	2014-2016	2	Medicaid
District of Columbia	5	Medicaid Pending	2014-2016	2014-2016	2014-2016	2	Medicaid

State	PAYn_X Source Value	Source Description	SID Years	SASD Years	SEDD Years	PAYn HCUP Value	PAYn HCUP Description
District of Columbia	5aaa	Medicaid Pending with Payer Type	2014-2016	2014-2016	2014-2016	2	Medicaid
District of Columbia	J	Virginia Medicaid	2013-2016	2014-2016	2014-2016	2	Medicaid
District of Columbia	Jaaa	Virginia Medicaid with Payer Type	2014-2016	2014-2016	2014-2016	2	Medicaid
Florida	C	Medicaid	2010-2016	2010-2016	2010-2016	2	Medicaid
Florida	D	Medicaid Managed Care	2010-2016	2010-2016	2010-2016	2	Medicaid
Georgia	2	Medicaid	1998-2016	2002-2016	2002-2016	2	Medicaid
Georgia	21	Medicaid Managed Care	1998-2016	2002-2016	2002-2016	2	Medicaid
Georgia	211	Medicaid HMO	1998-2016	2002-2016	2002-2016	2	Medicaid
Georgia	2111	Amerigroup CMO	1998-2016	2002-2016	2002-2016	2	Medicaid
Georgia	2112	PeachState CMO	1998-2016	2002-2016	2002-2016	2	Medicaid
Georgia	2113	WellCare CMO	1998-2016	2002-2016	2002-2016	2	Medicaid
Georgia	212	Medicaid PPO	1998-2016	2002-2016	2002-2016	2	Medicaid
Georgia	213	Medicaid Primary Care Case Management	1998-2016	2002-2016	2002-2016	2	Medicaid
Georgia	219	Medicaid Managed Care (Other)	1998-2016	2002-2016	2002-2016	2	Medicaid
Georgia	22	Medicaid (Non-Managed Care Plan)	1998-2016	2002-2016	2002-2016	2	Medicaid

State	PAYn_X Source Value	Source Description	SID Years	SASD Years	SEDD Years	PAYn HCUP Value	PAYn HCUP Description
Georgia ^a	23	Medicaid/ SCHIP	1998-2016	2002-2016	2002-2016	2	Medicaid
Georgia	24	Medicaid Applicant	1998-2016	2002-2016	2002-2016	2	Medicaid
Georgia	25	Medicaid (Out of State)	1998-2016	2002-2016	2002-2016	2	Medicaid
Georgia	29	Medicaid (Other)	1998-2016	2002-2016	2002-2016	2	Medicaid
Hawaii	2	Medicaid	2003-2016	2007-2016	2003-2016	2	Medicaid
Hawaii	13	Hawaii QUEST (Managed Care)	2003-2005	N/A	2003-2005	2	Medicaid
Hawaii	15	AlohaCare (Plan Participating in QUEST)	2003-2016	2007-2016	2003-2016	2	Medicaid
Hawaii	22	HMSA QUEST	2006-2016	2007-2016	2006-2016	2	Medicaid
Hawaii	23	Kaiser QUEST	2006-2016	2007-2016	2006-2016	2	Medicaid
Hawaii	24	QUEST (Any QUEST Plan except AlohaCare, HMSA QUEST, and Kaiser QUEST)	2006-2016	2007-2016	2006-2016	2	Medicaid
Hawaii	29	Ohana Health Plan QUEST	2003-2016	2007-2016	2003-2016	2	Medicaid
Hawaii	30	United Healthcare Community Plan QUEST	2003-2016	2007-2016	2003-2016	2	Medicaid
Illinois	B98916	Medicaid	1998-2016	2009-2016	2009-2016	2	Medicaid
Illinois	B98917	Medicaid (Out of State)	2011-2016	2011-2016	2011-2016	2	Medicaid
Illinois	B98935	Medicaid Managed Care	2011-2016	2011-2016	2011-2016	2	Medicaid

State	PAYn_X Source Value	Source Description	SID Years	SASD Years	SEDD Years	PAYn HCUP Value	PAYn HCUP Description
Indiana	2	Medicaid	2008-2016	2008-2016	2008-2016	2	Medicaid
Iowa	2, 02	Medicaid Non-Managed Care	2003-2016	2004-2016	2004-2016	2	Medicaid
Iowa	12	Medicaid Managed Care	2008-2016	2008-2016	2008-2016	2	Medicaid
Kansas	002, 02, 2	Medicaid	2003-2016	2005-2016	2005-2016	2	Medicaid
Kansas	102	Medicaid Managed Care	2003-2016	2005-2016	2005-2016	2	Medicaid
Kentucky	D	Medicaid	2011-2014	2011-2014	2011-2014	2	Medicaid
Kentucky	P	Passport Medicaid Managed Care	2011-2014	2011-2014	2011-2014	2	Medicaid
Kentucky	Q	Kentucky Spirit Medicaid Managed Care	2011-2014	2011-2014	2011-2014	2	Medicaid
Kentucky	T	Coventry Cares of KY Medicaid Managed Care	2011-2014	2011-2014	2011-2014	2	Medicaid
Kentucky	U	WellCare of Kentucky Medicaid Managed Care	2011-2014	2011-2014	2011-2014	2	Medicaid
Kentucky	Z	Humana Medicaid Managed Care	2011-2014	2011-2014	2011-2014	2	Medicaid
Louisiana	D	Medicaid	2008-2016	N/A	N/A	2	Medicaid
Louisiana	J	Medicaid HMO – Prepaid	2013-2016	N/A	N/A	2	Medicaid
Louisiana	K	Managed HMO – Shared	2013-2016	N/A	N/A	2	Medicaid
Maine	02	Medicaid	2006-2016	2006-2016	2006-2016	2	Medicaid

State	PAYn_X Source Value	Source Description	SID Years	SASD Years	SEDD Years	PAYn HCUP Value	PAYn HCUP Description
Maryland	02	Maryland Medicaid Fee-for-Service Only and Pending Maryland Medicaid	1998-2016	1998-2016	1999-2016	2	Medicaid
Maryland	14	Maryland Medicaid HMO	1998-2016	1998-2016	1999-2016	2	Medicaid
Massachusetts	4	Medicaid	1998-2016	N/A	2002-2016	2	Medicaid
Massachusetts	B	Medicaid Managed Care	1998-2016	N/A	2002-2016	2	Medicaid
Michigan	02	Medicaid Fee-for-Service	1999-2016	2004-2016	N/A	2	Medicaid
Michigan	40	Medicaid Managed Care Plans	1999-2016	2004-2016	N/A	2	Medicaid
Michigan	41	Medicaid Type of Plan Unknown	1999-2016	2004-2016	N/A	2	Medicaid
Minnesota	3000000	Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	3000001	Medicaid Pending	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	3000100	Medicaid Minnesota	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	3000101	Medicaid Minnesota Pending	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	3000200	Medicaid Wisconsin	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	3000201	Medicaid Wisconsin Pending	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	7000301	Ramsey Care Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	3000900	Medicaid South Dakota	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	3001101	Medicaid Iowa Pending	2001-2016	2001-2016	2001-2016	2	Medicaid

State	PAYn_X Source Value	Source Description	SID Years	SASD Years	SEDD Years	PAYn HCUP Value	PAYn HCUP Description
Minnesota	3001000	Medicaid North Dakota	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	3001100	Medicaid Iowa	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	3009900	Medicaid Other	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	3009901	Medicaid Other Pending	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	4000500	General Assistance Medical Care/ Welfare	2010-2016	2010-2016	2010-2016	2	Medicaid
Minnesota	4000500	General Assistance Medical Care/ Welfare	2001-2009	2001-2009	2001-2009	6	Other
Minnesota	4000800	PrimeWest, County Based Purchased	2010-2016	2010-2016	2010-2016	2	Medicaid
Minnesota	4000800	PrimeWest, County Based Purchased	2001-2009	2001-2009	2001-2009	6	Other
Minnesota	4000900	Itasca Medical Care, CBP	2010-2016	2010-2016	2010-2016	2	Medicaid
Minnesota	4000900	Itasca Medical Care, CBP	2001-2009	2001-2009	2001-2009	6	Other
Minnesota	4000100	So. Country Health Alliance, CBP	2010-2016	2010-2016	2010-2016	2	Medicaid
Minnesota	4000100	So. Country Health Alliance, CBP	2001-2009	2001-2009	2001-2009	6	Other
Minnesota	7000101	Medica – Choice, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	7000103	Medica – Choice, General Assistance Medical Care	2010-2016	2010-2016	2010-2016	2	Medicaid

State	PAYn_X Source Value	Source Description	SID Years	SASD Years	SEDD Years	PAYn HCUP Value	PAYn HCUP Description
Minnesota	7000103	Medica – Choice, General Assistance Medical Care	2001-2009	2001-2009	2001-2009	6	Other
Minnesota	7000201	Group Health, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	7000301	Ramsey Care, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	7000303	Ramsey Care, General Assistance Medical Care	2010-2016	2010-2016	2010-2016	2	Medicaid
Minnesota	7000303	Ramsey Care, General Assistance Medical Care	2001-2009	2001-2009	2001-2009	6	Other
Minnesota	7000401	Medica – Primary, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	7000501	MedCenters, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	7000601	Ucare, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	7000603	Ucare, General Assistance Medical Care	2010-2016	2010-2016	2010-2016	2	Medicaid
Minnesota	7000603	Ucare, General Assistance Medical Care	2001-2009	2001-2009	2001-2009	6	Other
Minnesota	7000701	Blue Plus, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	7000703	Blue Plus, General Assistance Medical Care	2010-2016	2010-2016	2010-2016	2	Medicaid
Minnesota	7000703	Blue Plus, General Assistance Medical Care	2001-2009	2001-2009	2001-2009	6	Other
Minnesota	7000801	Metro. Health Plan, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid

State	PAYn_X Source Value	Source Description	SID Years	SASD Years	SEDD Years	PAYn HCUP Value	PAYn HCUP Description
Minnesota	7000803	Metro. Health Plan, General Assistance Medical Care	2010-2016	2010-2016	2010-2016	2	Medicaid
Minnesota	7000803	Metro. Health Plan, General Assistance Medical Care	2001-2009	2001-2009	2001-2009	6	Other
Minnesota	7000901	Blue Cross HMO, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	7001001	Health Partners, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	7001003	Health Partners, General Assistance Medical Care	2010-2016	2010-2016	2010-2016	2	Medicaid
Minnesota	7001003	Health Partners, General Assistance Medical Care	2001-2009	2001-2009	2001-2009	6	Other
Minnesota	7001201	Northwest National Life Health Network, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	7001301	First Plan HMO, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	7001401	Altru Health Plan, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	7001501	Sioux Valley, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	7009901	Other HMO, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	7009903	Other HMO, General Assistance Medical Care/ Welfare	2010-2016	2010-2016	2010-2016	2	Medicaid
Minnesota	7009903	Other HMO, General Assistance Medical Care/ Welfare	2001-2009	2001-2009	2001-2009	6	Other
Minnesota	8000301	SelectCare, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid

State	PAYn_X Source Value	Source Description	SID Years	SASD Years	SEDD Years	PAYn HCUP Value	PAYn HCUP Description
Minnesota	8000401	Preferred One, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	8000501	America's PPO, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	8000701	Group Health PPO, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	8000901	Blue Cross PPO, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	8001001	Medica Choice PPO, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	8001501	LaborCare PPO, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Minnesota	8009901	Other PPO, Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Mississippi	2	Medicaid	2010-2011	N/A	N/A	2	Medicaid
Mississippi	98916	In-State Medicaid	2015-2016	N/A	N/A	2	Medicaid
Mississippi	98917	Out-of-State Medicaid	2015-2016	N/A	N/A	2	Medicaid
Missouri	02	Medicaid	1995-2016	1999-2016	1999-2016	2	Medicaid
Montana ^a	00009	Healthy Montana Kids	2009-2016	N/A	2014-2016	2	Medicaid
Montana	98916	In State Medicaid	2009-2016	N/A	2014-2016	2	Medicaid
Montana	98917	Out-of-State Medicaid	2009-2016	N/A	2014-2016	2	Medicaid
Montana	98935	Medicaid Managed Care	2009-2016	N/A	2014-2016	2	Medicaid
Nebraska	04	Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid
Nebraska	12	Medicaid	2001-2016	2001-2016	2001-2016	2	Medicaid

State	PAYn_X Source Value	Source Description	SID Years	SASD Years	SEDD Years	PAYn HCUP Value	PAYn HCUP Description
Nevada	16	Nevada Medicaid	2012-2016	2012-2016	2012-2016	2	Medicaid
Nevada	17	Other Medicaid (out-of-state)	2012-2016	2012-2016	2012-2016	2	Medicaid
Nevada	28	Nevada Medicaid HMO	2012-2016	2012-2016	2012-2016	2	Medicaid
New Hampshire	4	Medicaid	2003-2009	2003-2009	2003-2009	2	Medicaid
New Hampshire	11	Medicaid Managed Care	2003-2009	2003-2009	2003-2009	2	Medicaid
New Jersey	008	New Jersey Family Care	2011-2016	2011-2016	2011-2016	2	Medicaid
New Jersey	012	Title XIX (Medicaid)	2011-2016	2011-2016	2011-2016	2	Medicaid
New Jersey	083	Medicaid HMO	2011-2016	2011-2016	2011-2016	2	Medicaid
New Mexico	02, 2	Medicaid	2007-2016	N/A	N/A	2	Medicaid
New York	04	Medicaid	1993-2016	1993-2016	2005-2016	2	Medicaid
New York	17	Medicaid HMO	1993-2016	1993-2016	2005-2016	2	Medicaid
North Carolina	MC	Medicaid	2010-2016	2010-2016	2010-2016	2	Medicaid
North Dakota	3000000	Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	3000001	Medicaid Pending	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	3000100	Medicaid Minnesota	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	3000101	Medicaid Minnesota Pending	2011-2016	2013-2016	2011-2016	2	Medicaid

State	PAYn_X Source Value	Source Description	SID Years	SASD Years	SEDD Years	PAYn HCUP Value	PAYn HCUP Description
North Dakota	3000200	Medicaid Wisconsin	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	3000201	Medicaid Wisconsin Pending	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	3000900	Medicaid South Dakota	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	3001101	Medicaid Iowa Pending	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	3001000	Medicaid North Dakota	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	3001100	Medicaid Iowa	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	3009900	Medicaid Other	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	3009901	Medicaid Other Pending	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	4000500	General Assistance Medical Care/ Welfare	2014-2016	2014-2016	2014-2016	2	Medicaid
North Dakota	4000500	General Assistance Medical Care/ Welfare	2011-2013	2013	2011-2013	6	Other
North Dakota	4000800	Primewest, County Based Purchased	2014-2016	2014-2016	2014-2016	2	Medicaid
North Dakota	4000800	Primewest, County Based Purchased	2011-2013	2013	2011-2013	6	Other
North Dakota	4000900	Itasca Medical Care, CBP	2014-2016	2014-2016	2014-2016	2	Medicaid
North Dakota	4000900	Itasca Medical Care, CBP	2011-2013	2013	2011-2013	6	Other
North Dakota	4001000	So. Country Health Alliance, CBP	2014-2016	2014-2016	2014-2016	2	Medicaid

State	PAYn_X Source Value	Source Description	SID Years	SASD Years	SEDD Years	PAYn HCUP Value	PAYn HCUP Description
North Dakota	4001000	So. Country Health Alliance, CBP	2011-2013	2013	2011-2013	6	Other
North Dakota	7000101	Medica – Choice, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	7000103	Medica – Choice, General Assistance Medical Care	2014-2016	2014-2016	2014-2016	2	Medicaid
North Dakota	7000103	Medica – Choice, General Assistance Medical Care	2011-2013	2013	2011-2013	6	Other
North Dakota	7000201	Group Health, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	7000301	Ramsey Care, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	7000303	Ramsey Care, General Assistance Medical Care	2014-2016	2014-2016	2014-2016	2	Medicaid
North Dakota	7000303	Ramsey Care, General Assistance Medical Care	2011-2013	2013	2011-2013	6	Other
North Dakota	7000401	Medica – Primary, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	7000501	MedCenters, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	7000601	Ucare, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	7000603	Ucare, General Assistance Medical Care	2014-2016	2014-2016	2014-2016	2	Medicaid
North Dakota	7000603	Ucare, General Assistance Medical Care	2011-2013	2013	2011-2013	6	Other
North Dakota	7000701	Blue Plus, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid

State	PAYn_X Source Value	Source Description	SID Years	SASD Years	SEDD Years	PAYn HCUP Value	PAYn HCUP Description
North Dakota	7000703	Blue Plus, General Assistance Medical Care	2014-2016	2014-2016	2014-2016	2	Medicaid
North Dakota	7000703	Blue Plus, General Assistance Medical Care	2011-2013	2013	2011-2013	6	Other
North Dakota	7000801	Metro. Health Plan, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	7000803	Metro. Health Plan, General Assistance Medical Care	2014-2016	2014-2016	2014-2016	2	Medicaid
North Dakota	7000803	Metro. Health Plan, General Assistance Medical Care	2011-2013	2013	2011-2013	6	Other
North Dakota	7000901	Blue Cross HMO, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	7001001	Health Partners, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	7001003	Health Partners, General Assistance Medical Care	2014-2016	2014-2016	2014-2016	2	Medicaid
North Dakota	7001003	Health Partners, General Assistance Medical Care	2011-2013	2013	2011-2013	6	Other
North Dakota	7001201	Northwest National Life Health Network, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	7001301	First Plan HMO, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	7001401	Altru Health Plan, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	7001501	Sioux Valley, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	7009901	Other HMO, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid

State	PAYn_X Source Value	Source Description	SID Years	SASD Years	SEDD Years	PAYn HCUP Value	PAYn HCUP Description
North Dakota	7009903	Other HMO, General Assistance Medical Care/ Welfare	2014-2016	2014-2016	2014-2016	2	Medicaid
North Dakota	7009903	Other HMO, General Assistance Medical Care/ Welfare	2011-2013	2013	2011-2013	6	Other
North Dakota	8000301	SelectCare, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	8000401	Preferred One, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	8000501	America's PPO, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	8000701	Group Health PPO, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	8000901	Blue Cross PPO, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	8001001	Medica Choice PPO, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	8001501	LaborCare PPO, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
North Dakota	8009901	Other PPO, Medicaid	2011-2016	2013-2016	2011-2016	2	Medicaid
Ohio	D	Medicaid	2006-2016	2006-2016	2006-2016	2	Medicaid
Ohio	M	Medicaid Managed Care	2006-2016	2006-2016	2006-2016	2	Medicaid
Oklahoma	3	Medicaid, including Medicaid Pending	2005-2016	2006-2016	N/A	2	Medicaid
Oregon	21	Medicaid Managed Care	2008-2016	2010-2016	2015-2016	2	Medicaid
Oregon	22	Medicaid Fee-for-Service	2008-2016	2010-2016	2015-2016	2	Medicaid
Oregon	25	Medicaid Out-of-State	2008-2016	2010-2016	2015-2016	2	Medicaid

State	PAYn_X Source Value	Source Description	SID Years	SASD Years	SEDD Years	PAYn HCUP Value	PAYn HCUP Description
Pennsylvania	22	Medicaid PPO	2008-2016	2013-2016	N/A	2	Medicaid
Pennsylvania	24	Medicaid Fee-for-Service	2008-2016	2013-2016	N/A	2	Medicaid
Pennsylvania	25	Medicaid HMO	2008-2016	2013-2016	N/A	2	Medicaid
Rhode Island	B 3000	Out-of-State Blue Cross, Medicaid (Managed Care)	2003-2016	N/A	2006-2016	2	Medicaid
Rhode Island	D	Medicaid Fee-for-Service	2003-2016	N/A	2006-2016	2	Medicaid
Rhode Island	D 3000	Medicaid Managed Care	2013-2016	N/A	2013-2016		
Rhode Island	H 3000	Coordinated Health Partners, Medicaid (Managed Care)	2003-2016	N/A	2006-2016	2	Medicaid
Rhode Island	N 3000	Neighborhood Health Plan, Medicaid (Managed Care)	2003-2016	N/A	2006-2016	2	Medicaid
Rhode Island	O 3000	Other, Medicaid (Managed Care)	2003-2016	N/A	2006-2016	2	Medicaid
Rhode Island	U 3000	UHC, Medicaid (Managed Care)	2003-2016	N/A	2006-2016	2	Medicaid
South Carolina	2	Medicaid	2002-2016	2002-2016	2002-2016	2	Medicaid
South Dakota	2, 02	Medicaid	2004-2016	2005-2016	2005-2016	2	Medicaid
South Dakota	12	Medicaid Managed Care	2008-2016	2008-2016	2008-2016	2	Medicaid
Tennessee	D	Medicaid (not TennCare)	1998-2016	1999-2016	2000-2016	2	Medicaid
Tennessee	T	TennCare Plan: Unspecified	1998-2016	1999-2016	2000-2016	2	Medicaid
Tennessee	8	TennCare Plan: AmeriChoice	1998-2016	1999-2016	2000-2016	2	Medicaid

State	PAYn_X Source Value	Source Description	SID Years	SASD Years	SEDD Years	PAYn HCUP Value	PAYn HCUP Description
Tennessee	10	TennCare Plan: AmeriChoice	1998-2016	1999-2016	2000-2016	2	Medicaid
Tennessee	F	TennCare Plan: TLC Family Care Healthplan	1998-2016	1999-2016	2000-2016	2	Medicaid
Tennessee	J	TennCare Plan: Blue Care	1998-2016	1999-2016	2000-2016	2	Medicaid
Tennessee	Q	TennCare Plan: TennCare Select	1998-2016	1999-2016	2000-2016	2	Medicaid
Tennessee	X	TennCare Behavioral: Premier Behavioral Systems of TN	1998-2016	1999-2016	2000-2016	2	Medicaid
Texas	MC	Medicaid	2004-2016	2011-2016	2015-2016	2	Medicaid
Utah	2	Medicaid	1998-2014	1998-2014	2000-2014	2	Medicaid
Utah	Medicaid	Medicaid	2015-2016	2015-2016	2015-2016	2	Medicaid
Vermont	D	Medicaid	2001-2016	2001-2016	2002-2016	2	Medicaid
Virginia	2	Medicaid	1999-2004 2006-2016	N/A	N/A	2	Medicaid
Virginia	31	Medicaid Out-of-State	1999-2004 2006-2016	N/A	N/A	2	Medicaid
Washington	002	Medicaid (DSHS)	1998-2016	N/A	N/A	2	Medicaid
West Virginia	21	WV Medicaid	2007-2016	N/A	N/A	2	Medicaid
West Virginia	31	Other States Medicaid	2007-2016	N/A	N/A	2	Medicaid
Wisconsin	BGRnn	Badger Care (Family Coverage)	2011-2016	2011-2016	2011-2016	2	Medicaid

State	PAYn_X Source Value	Source Description	SID Years	SASD Years	SEDD Years	PAYn HCUP Value	PAYn HCUP Description
Wisconsin	MAXnn	Badger Care Expansion (Childless Adults)	2011-2014	2011-2014	2011-2014	2	Medicaid
Wisconsin	T19nn	Wisconsin Medicaid	2011-2016	2011-2016	2011-2016	2	Medicaid
Wisconsin	OTH51	Non-Wisconsin Medicaid	2011-2016	2011-2016	2011-2016	2	Medicaid
Wyoming	D	Medicaid	2007-2016	N/A	2014-2016	2	Medicaid

^a The Georgia “Medicaid/SCHIP” code and the Montana “Healthy Montana Kids” code were considered as CHIP payer codes, rather than as Medicaid payer codes, for the purposes of the expected payer coding analysis.