Table 7: Ratio of All MRI to All CT Scans within 30 days of Evaluation for Atraumatic Seizure Among Eligible

 Children In Seven States – MAX Data

State	Ratio Components	2006	2007	2008	2009	2010
	Numerator (# MRI)	139	149	136	172	244
Colorado	Denominator (# CT)	204	216	223	171	242
	Ratio	0.68	0.69	0.61	1.01	1.01
		• • •				•
	Numerator (# MRI)	1259	1144	1287	1903	2137
Florida	Denominator (# CT)	1484	1351	1321	1977	2013
	Ratio	0.85	0.85	0.97	0.96	1.06
	Numerator (# MRI)	959	1000	1093	1244	1424
Illinois	Denominator (# CT)	1642	1691	1744	1925	1678
	Ratio	0.58	0.59	0.63	0.65	0.85
State	Ratio Components	2006	2007	2008	2009	2010
	Numerator (# MRI)	264	227	184	198	70
Massachusetts	Denominator (# CT)	254	230	181	186	62
	Ratio	1.04	0.99	1.02	1.06	1.13
	•				•	
	Numerator (# MRI)	380	646	1056	1025	1152
Michigan	Denominator (# CT)	461	902	1242	1124	1025
	Ratio	0.82	0.72	0.85	0.91	1.12
				-	-	
	Numerator (# MRI)	1575	1746	1980	2139	2295
Texas	Denominator (# CT)	2206	2485	2469	2632	2629
	Ratio	0.71	0.70	0.80	0.81	0.87
		<u>.</u>				
	Numerator (# MRI)	89	84	94	87	78
Utah	Denominator (# CT)	76	84	101	94	88

Note: The rate for this measure, the ratio of all MRI to all CT scans among children ages 1 through 17 years old who undergo imaging of the head on or within 30 days after the date of evaluation for atraumatic seizure, was calculated using 5 consecutive years of claims data drawn from Medicaid Analytic eXtract (MAX) administrative claims data provided by the Centers for Medicare & Medicaid Services (CMS).

State Medicaid Program	Number of MRIs	Number of CTs + MRIs	Reliability
Colorado	840	1896	0.90
Florida	7,730	15,876	0.99
Illinois	5,720	14,400	0.99
Massachusetts	943	1856	0.90
Michigan	4,259	9013	0.98
Texas	9,735	22,156	0.99
Utah	432	875	0.81
Median (range)			0.98 (0.81-0.99)

Table 8. State Medicaid Plan Reliability for Measure

Table 9: Contingency Table for Presence of Exclusions in Administrative Claims and Charts for Children with at Least 1 MRI Scan within the Measurement Year

	Exclusion Documented in Charts				
		Present	Absent	Total	
Exclusion present based on claims	Present	3	4	7	
	Absent	10	87	97	
	Total	13	91	104	

Table 10: Contingency Table for Presence of Exclusions in Administrative Claims and Charts for Children with at Least 1 CT Scan within the Measurement Year

	Exclusion Documented in Charts				
		Present	Absent	Total	
Exclusion present based on claims	Present	6	6	12	
	Absent	13	70	83	
	Total	19	76	95	