#### One Year of Coverage

1a. MEDICAID - One year of coverage

Ta. MEDICAID - One year or c				At least 1 Well	l Child Exam		Į.	At least 1 Dental F	rophys (GROUP	A)		
		Number of enrollees with 12 months		Number of children w/ 1 Well Child Exam (99381, 99391, 99382, 99383, 99393,		Number of	,	Number of	rophys (GROUP	Number of children w/ 3 or		Numbe
	Total Number	continuous		99384, 99394,		children w/ 1		children w/ 2		more		Fluor
Year/		enrollment 2012	% of Total	99385, 99395) and	% of	Dental Prophy	% of	Dental Prophys	% of	Dental Prophys	% of	(any D120
Age Category	2012	(Denominator)	Enrollees	ICD-9 of V20.2	Denominator	(D1120 alone)	Denominator	(D1120 alone)	Denominator	(D1120 alone)	Denominator	or (CPT 994)
Variable Used =>	ENROLL	CONT ENR		WELL CHILD	Т	PREV_A_1	PREV A PCT 1	PREV_A_2	PREV_A_PCT_2	PREV_A_3	PREV_A_PCT_3	PREV_B_MED_1
		_										Medical*
Yr#		ll						I.	I.			
1 years	287,035	199,882	69.6%	152,640	76.4%	31,562	15.8%	16,198	8.1%	291	0.1%	19,711
2 years	295,737	205,804	69.6%	123,194	59.9%	55,049	26.7%	31,472	15.3%	743	0.4%	11,533
3 years	297,131	212,619	71.6%	134,675	63.3%	69,945	32.9%	48,305	22.7%	1,281	0.6%	2,629
4 years	295,661	213,375	72.2%	128,120	60.0%	74,270	34.8%	55,937	26.2%	1,510	0.7%	
5 years	286,366	202,885	70.8%	94,434	46.5%	70,947	35.0%	56,754	28.0%	1,473	0.7%	688
6 years	263,371	189,209	71.8%	71,458	37.8%	66,554	35.2%	54,903	29.0%	1,459	0.8%	
7 years	252,360	182,914	72.5%	67,567	36.9%	64,464	35.2%	52,907	28.9%	1,300	0.7%	541
8 years	242,915	176,375	72.6%	62,906		62,235	35.3%			1,109	0.6%	
9 years	236,440	172,087	72.8%	60,404	35.1%	59,785	34.7%		28.0%	962	0.6%	
10 years	234,220	170,752	72.9%	69,420		59,007	34.6%	45,540	26.7%	831	0.5%	
11 years	230,166	167,559	72.8%	69,357		56,684	33.8%		22.1%	632	0.4%	
12 years	218,152	157,969	72.4%	61,099		42,208			11.9%	360	0.2%	
13 years	209,277	151,305	72.3%	54,747		19,039	12.6%	,		104	0.1%	
14 years	198,436	142,469	71.8%	46,703		3,177	2.2%			22	0.0%	
15 years	190,714	135,127	70.9%	39,889		2,087	1.5%			12	0.0%	
16 years	186,433	129,874	69.7%	32,930		1,565	1.2%			5	0.0%	
17 years	184,371	116,226	63.0%	19,356		1,013	0.9%			10	0.0%	
18 years	173,561	53,720	31.0%	3,678		380	0.7%			2	0.0%	
Total	4,282,346	2,980,151	69.6%	1,292,577	43.4%	739,971	24.8%	522,587	17.5%	12,106	0.4%	39,338

<sup>\*</sup> Medical: 200-Medical Doctor, 206-Mutispecialty Physician Group, 240-Family Practice, 360-Preventive Medicine, 400-Pediatrician, 815- Medical Technician, 822- Nursing Services, 825-Nurse Practitioner, 845-Physician Asst

<sup>\*\* &</sup>lt;u>Dental:</u> 100-MD & DDS, 105-Dental Specialist, 805-Dental Technician

### One Year of Coverage

1a. MEDICAID - One year of c

1a. MEDICAID - One year of		At Least 1 Fluoride Treatment (GROUP B)											
		At Least 1 Fluoride Treatment (GROUP B)											
		/ 4		Niah a	er of childrer	/2		Nivership	er of children	/2		Normale	er of childre
	r of children	•				*				•			
Voor/	ide Treatme		% of		ride Treatm		9/ of		oride Treatme		% of		oride Treatm
Year/	3, D1206, or 20 with ICD-	••			3, D1206, oi		% of		03, D1206, or	•-			03, D1206, d
Age Category	_	•	Denominator	or (CPT 994			Denominator	•	20 with ICD-	•	Denominator	•	120 with ICD
Variable Used =>	ENT_1	PREV_B_1	PREV_B_PCT_1	PREV_B_MED_2	ENT_2	PREV_B_2	PREV_B_PCT_2	PREV_B_MED_3	ENT_3	PREV_B_3	PREV_B_PCT_3	PREV_B_MED_4	
	Dental**	Any		Medical*	Dental**	Any		Medical*	Dental**	Any		Medical*	Dental**
Yr#	24 50=	40.00=	24.50/	0.054	45.000	22.022	12.00/				0.44		
1 years	31,687	43,087	21.6%	8,364	15,362	23,922	12.0%	2,137		6,125	3.1%		
2 years	49,131	58,432	28.4%	1,035	30,330	34,584	16.8%	117		3,627	1.8%	12	
3 years	60,049	68,916	32.4%	210		48,189	22.7%	27		2,660	1.3%	8	3 241
4 years	64,200	73,206	34.3%	133		55,038	25.8%	21		2,416		8	3 212
5 years	60,879	70,281	34.6%	103	-	55,741	27.5%	21		2,090	1.0%	11	
6 years	57,026	65,934	34.8%	76	,	53,882	28.5%	13		2,001	1.1%	3	3 167
7 years	55,193	63,842	34.9%	89		51,814	28.3%	18		1,848		5	5 155
8 years	53,609	61,721	35.0%	64	44,573	49,470	28.0%	10		1,517	0.9%	5	5 112
9 years	51,861	59,500	34.6%	73	,	46,927	27.3%	12		1,302	0.8%	3	3 102
10 years	50,949	58,503	34.3%	68	,	44,289	25.9%	9	692	1,103	0.6%	5	5 79
11 years	49,371	56,295	33.6%	65		37,106	22.1%	9	585	879		1	1 66
12 years	38,835	45,614	28.9%	39	,	23,598	14.9%	10		593	0.4%	2	2 75
13 years	24,633	30,372	20.1%	40	-,	10,590	7.0%	11		338		1	1 23
14 years	10,760	15,848	11.1%	36	,	6,697	4.7%	5	149	229		1	1 26
15 years	8,891	13,484	10.0%	32		5,497	4.1%	8	108	173	0.1%		5 17
16 years	7,652	11,615	8.9%	27		4,671	3.6%	4	111	173		5	5 16
17 years	5,929	8,828	7.6%	20	,	3,051	2.6%	3	65	98		(	) 7
18 years	1,703	2,615	4.9%	1	533	676	1.3%	0	14	17	0.0%	(	) (
Total	1.3%	808,093	27.1%	10,475	0.4%	555,742	18.6%	2,435	0.1%	27,189	0.9%	403	0.0%

<sup>\*</sup> Medical: 200-Medical Do

<sup>\*\* &</sup>lt;u>Dental:</u> 100-MD & DDS, 1

### One Year of Coverage

1a. MEDICAID - One year of c

1a. MEDICAID - One year of o			Sealants	(GROUP C)	Dental Prophy	with Other Preven	tive Services on t	he Same Date of S	Service (GROUPS I
			Jeanume	(Cito Cit C)	- Demand ropmy				
					GROUP D:				
					Number w/				
					Dental Prophy				
					with Fluoride		GROUP E:		
					Treatment		Number		
					(D1120		w/Dental		
					withD1203,		Prophy with		
					D1206, or		Sealant (D1120		
	w/ ≥4		Number of		D1208) on the		with D1351) on		
	ents		children with		same date of		the same date		Number of
Year/	r D1208),	% of	Sealants	% of	service	% of	of service	% of	children in
Age Category	9=V07.31 )	Denominator	(D1351)	Denominator	GROUP A and B	Denominator	GROUP A and C	Denominator	GROUPS D or E
Variable Used =>	PREV_B_4	4	PREV_C	PREV_C_PCT	PREV_D	PREV_D_PCT	PREV_E	PREV_E_PCT	PREV_D_E
	Any								
Yr#									
1 years	2,039	1.0%	1,347	0.7%	43,480	21.7%	644	0.3%	43,516
2 years	616	0.3%	5,243	2.5%	83,147	40.4%	2,510	1.2%	83,216
3 years	557	0.3%	8,942	4.2%	115,587	54.4%	4,698	2.2%	115,639
4 years	498	0.2%	11,290	5.3%	128,541		6,455		128,596
5 years	366	0.2%	30,179	14.9%	126,564		17,267	8.5%	126,714
6 years	322	0.2%	50,757	26.8%	120,611		27,316	14.4%	120,858
7 years	330	0.2%	40,694	22.2%	116,425		20,932	11.4%	116,657
8 years	243	0.1%	25,458	14.4%	111,734		13,489	7.6%	111,891
9 years	218	0.1%	20,362	11.8%	106,832	62.1%	11,972	7.0%	106,975
10 years	171	0.1%	23,051	13.5%	103,104	60.4%	14,290	8.4%	103,275
11 years	130	0.1%	27,560	16.4%	91,983	54.9%	15,745	9.4%	92,188
12 years	112	0.1%	25,873	16.4%	58,929	37.3%	10,047	6.4%	59,170
13 years	44	0.0%	19,522	12.9%	21,216		2,816	1.9%	21,374
14 years	45	0.0%	12,423	8.7%	2,931	2.1%	387	0.3%	3,029
15 years	39	0.0%	6,951	5.1%	1,874	1.4%	197	0.1%	1,920
16 years	32	0.0%	4,291	3.3%	1,357	1.0%	132	0.1%	1,387
17 years	12	0.0%	2,374	2.0%	905	0.8%	77	0.1%	920
18 years	1	0.0%	425	0.8%	350	0.7%	26	0.0%	355
Total	5,775	0.2%	316,742	10.6%	1,235,570	41.5%	149,000	5.0%	1,237,680

<sup>\*</sup> Medical: 200-Medical Do

<sup>\*\*</sup> Dental: 100-MD & DDS, 1

1a. MEDICAID - One year of o	Overage	l I												1	
Tal Medical Date year or e	loverage					RESTOR	RATIVE CARE: At I	east 1 Surface (GR	OUP A)						
									<u> </u>					1	
										Number of		Number of			
		Number		Number of		Number of		Number of		children w/ ≥4		children w/		Number of	
		of enrollees with		children w/ 1		children w/ 2		children w/ 3		Surfaces		Anterior Resin-		children w/ Post	
		12 months		Surface		Surfaces		Surfaces		Amalgam		based		One Surface	
	Total Number	continuous		Amalgam		Amalgam		Amalgam		(D2161) or Resin		Composite		Resin-based	
Year/	of enrollees	enrollment 2012	% of Total	(D2140) or Resin	% of	(D2150) or Resin	% of	(D2160) or Resin	% of	or W Incisal	% of	Crown (D2390	% of	Composite	% of
Age Category	2012	(Denominator)	Enrollees	(D2330)	Denominator	(D2331)	Denominator	(D2332)	Denominator	Resin (D2335)	Denominator	alone)	Denominator	(D2391 alone)	Denominator
	ENROLL	CONT_ENR		TX_A_1	TX_A_PCT_1	TX_A_2	TX_A_PCT_2	TX_A_3	TX_A_PCT_3	TX_A_4	TX_A_PCT_4	TX_B_01	TX_B_PCT_01	TX_B_02	TX_B_PCT_02
Yr#															
1 years	287,035	199,882	69.6%	2,887	1.4%	1,123	0.6%	959	0.5%		0.2%			2,447	
2 years	295,737	205,804	69.6%	8,790	4.3%	, -	2.1%	3,147	1.5%	,	0.5%	741		-,	
3 years	297,131	212,619	71.6%	13,209	6.2%		4.0%	4,917	2.3%	1,580	0.7%	841			
4 years	295,661	213,375	72.2%	12,925	6.1%	-,-	5.1%	5,179		,	0.8%	685			
5 years	286,366	202,885	70.8%	10,191	5.0%		5.3%				0.6%				
6 years	263,371	189,209	71.8%	9,256	4.9%		5.4%				0.5%				
7 years	252,360	182,914	72.5% 72.6%	8,414	4.6%	-, -	5.5% 5.0%				0.7% 0.9%				
8 years 9 years	242,915 236,440	176,375 172,087	72.8%	7,420 6,613	4.2% 3.8%		4.0%	2,741			0.9%				
10 years	234,220	172,087	72.8%	6,608	3.9%		3.3%	2,320	1.3%		0.9%			16,417	
11 years	230,166	167,559	72.8%	7,288	4.3%		3.2%		1.3%		0.9%				
12 years	218,152	157,969	72.4%	7,793	4.9%			2,708			0.9%			19,009	
13 years	209,277	151,305	72.3%	8,033	5.3%		4.3%	3,140			1.1%			18,403	
14 years	198,436	142,469	71.8%	8,004	5.6%	6,856	4.8%	3,736	2.6%	1,762	1.2%	9	0.0%	16,784	11.8%
15 years	190,714	135,127	70.9%	7,494	5.5%	6,948	5.1%	4,147	3.1%	1,887	1.4%	4	0.0%	14,757	10.9%
16 years	186,433	129,874	69.7%	6,646	5.1%	6,915	5.3%	4,233	3.3%	1,882	1.4%	14	0.0%	13,435	
17 years	184,371	116,226	63.0%	5,451	4.7%	5,839	5.0%	3,917	3.4%	1,766	1.5%	7	0.0%	10,209	
18 years	173,561	53,720	31.0%	1,837	3.4%	2,032	3.8%	1,451	2.7%	717	1.3%	7	0.0%	3,303	
Total	4,282,346	2,980,151	69.6%	138,859	4.7%	123,802	4.2%	56,467	1.9%	25,507	0.9%	3,304	0.1%	264,800	8.9%

1a. MEDICAID - One year of o	J		1		I				1		ı	ı	ı	I	
Ta. IVIEDICAID - One year of t							DESTOR	ATIVE CARE, Boot	s and Crowns (GRO	NID B)					
	I		ı		I		RESTOR	ATIVE CARE. POST	s and Crowns (GAC	JUP BJ	I	I	I	ı	
	Number of		Number of		Number of		Number of		Number of						
	children w/ Post		children w/ Post		children w/ Post		children w/		children w/		Number of		Number of		Number of
	Two Surface		Three Surface		>/=4 Surface		Prefab Stainless		Prefab Stainless		children w/		children w/		children w/
	Resin-based		Resin-based		Resin-based		Steel Crown		Steel Crown		Prefab Resin		<b>Prefab Stainless</b>		Prefab Steel
Year/	Composite	% of	Composite	% of	Composite	% of	Primary (D2930	% of	Permanent	% of	Crown (D2932	% of	Steel Crown	% of	Crown Primary
Age Category	(D2392 alone)	Denominator	(D2393 alone)	Denominator	(D2394 alone)	Denominator	alone)	Denominator	(D2931 alone)	Denominator	alone)	Denominator	(D2933 alone)	Denominator	(D2934 alone)
	TX_B_03	TX_B_PCT_03	TX_B_04	TX_B_PCT_04	TX_B_05	TX_B_PCT_05	TX_B_06	TX_B_PCT_06	TX_B_07	TX_B_PCT_07	TX_B_08	TX_B_PCT_08	TX_B_09	TX_B_PCT_09	TX_B_10
Yr#															
1 years	912	0.5%	76	0.0%	7	0.0%	2,574	1.3%	11	0.0%				0.2%	
2 years	5,792	2.8%	597	0.3%			8,106	3.9%	33	0.0%	1,058	0.5%		0.3%	
3 years	13,688	6.4%	1,820	0.9%			14,951	7.0%	34	0.0%	1,200	0.6%		0.3%	
4 years	20,369	9.5%	2,940	1.4%	361		19,507	9.1%	40	0.0%	828			0.2%	
5 years	23,032	11.4%	3,349	1.7%			18,388	9.1%	75	0.0%	374			0.1%	
6 years	25,342	13.4%	3,874	2.0%			16,356	8.6%	270	0.1%				0.0%	
7 years	25,350	13.9%	4,152	2.3%			14,128	7.7%	257	0.1%					
8 years	22,290	12.6%	3,999	2.3%			9,501	5.4%	335	0.2%				0.071	
9 years 10 years	17,469 14,225	10.2% 8.3%	3,213 2,743	1.9% 1.6%	560 514		4,777 1,677	2.8% 1.0%	283 361	0.2%				0.0%	
10 years 11 years	14,225	7.9%	2,743	1.6%			480	0.3%	361	0.2%				0.0%	
11 years 12 years	13,254	8.4%	3,164	2.0%	665		132		449	0.3%				0.0%	
13 years	13,699	9.1%	3,845	2.5%			60	0.0%	442	0.3%	79			0.0%	
14 years	13,509	9.5%	4,435	3.1%		0.8%	59		550	0.4%	94			0.0%	
15 years	12,779	9.5%	4,768	3.5%	1,299		28		541	0.4%	76			0.0%	
16 years	12,297	9.5%	5,066	3.9%	1,413	1.1%	37		547	0.4%	107			0.0%	
17 years	10,299	8.9%	4,480	3.9%	1,452	1.2%	19		480	0.4%	70			0.0%	
18 years	3,463	6.4%	1,659	3.1%	544		9	0.0%	184	0.3%	27			0.0%	
Total	260,987	8.8%	56,879	1.9%	12,048	0.4%	110,789	3.7%	5,272	0.2%	5,237	0.2%	2,212	0.1%	

1a. MEDICAID - One year of o										1							
, , , , , , , , , , , , , , , , , , , ,							EXTRACTION	IS: (GROUP C)					G	ROUP E			
Year/ Age Category	% of Denominator	Number of children w/ Protective Restoration (D2940 alone)	% of Denominator	Number of children w/ Core Build up Including Pins (D2950 alone)	% of Denominator	Number of children w/ Partial Pulpectomy (D7111 or D7140)	% of Denominator	Number of children w/ Complete Pulpectomy (D7210, D7220, D7230, or D7240)	% of Denominator	Indirect	% of Denomin ator TX_E_PCT	Therapeutic Pulpotomy		Pulpal therapy Posterior Primary	% of Denomin ator TX_E_PCT	End Therapy (Root Canals), Anterior Bicuspid and Posterior Tooth	% of Denomin ator TX_E_PCT
	TX_B_PCT_10	TX_B_11	TX_B_PCT_11	TX_B_12	TX_B_PCT_12	TX_C_1	TX_C_PCT_1	TX_C_2	TX_C_PCT_2	TX_E_1	_1	TX_E_2	_2	TX_E_3	_3	TX_E_4	_4
Yr#											_		_		_		
1 years	0.7%	98	0.0%	3	0.0%	1,829	0.9%	34	0.0%	35	0.0%	2,038	1.0%	25	0.0%	58	0.0%
2 years	1.3%	314	0.2%	4	0.0%	3,987	1.9%	91	0.0%	124	0.1%	5,803	2.8%	93	0.0%	133	0.1%
3 years	1.2%	585	0.3%	28	0.0%	6,698	3.2%	164	0.1%	191	0.1%	9,867	4.6%	182	0.1%	132	0.1%
4 years	0.8%	895		45	0.0%	12,356	5.8%	225		189		12,516	5.9%	271	0.1%	107	
5 years	0.3%	828		59		19,871	9.8%	316				11,281	5.6%	261		63	
6 years	0.1%	865	0.5%	70	0.0%	21,907	11.6%	404			0.1%	9,683	5.1%	224	0.1%	61	
7 years	0.1%	917		84	0.0%	20,764	11.4%	388				8,100	4.4%	219		115	
8 years	0.0%	818		131	0.1%	-, -	11.6%	462		248		5,429	3.1%	176		275	
9 years	0.0%	741		155	0.1%	20,325	11.8%	494	0.3%	192		2,815	1.6%	78		453	
10 years	0.0%	541		226	0.1%	18,125	10.6%	693	0.4%	207		1,013	0.6%	36		658	
11 years	0.0%	544		265	0.2%	,	8.5%			211		378		7	0.0%	822	
12 years	0.0%	545		392	0.2%		5.8%	1,261	0.8%	245		199		2	0.0%	1,019	
13 years	0.0%	592		437	0.3%		4.0%	1,943				170		2	0.0%	1,203	
14 years	0.0%	660		609	0.4%	3,853	2.7%			291		165		1	0.0%	1,529	
15 years	0.0%	725		654	0.5%		2.2%	5,871	4.3%			203		2	0.0%	1,688	
16 years	0.0%	698		673	0.5%	2,711	2.1%	8,171	6.3%	247		198		1	0.0%	1,663	
17 years	0.0%	601		635	0.5%		2.2%		7.3%			151		0	0.0%	1,662	
18 years	0.0%	238		220	0.4%	1,198	2.2%	3,144	5.9%	83		69		1	0.0%	568	
Total	0.3%	11,205	0.4%	4,690	0.2%	188,991	6.3%	36,637	1.2%	3,641	0.1%	70,078	2.4%	1,581	0.1%	12,209	0.4%

## **Amalgam and Resin Variable**

Label	Service Codes	Multiplier	Treatment Variable Definition
Tx Grp. Surface Amalgam or	D2140	1	The new variable "counts" the number of surfaces treated (or fillings) received by
Resin - 1 surface	D2330	1	each child. For each of the services listed, we need the total counts of each service
Tx GrpSurface Amalgam or	D2150	2	(see service codes for full list) received by each child. The new variable is the count
Resin - 2 surfaces	D2331	2	of each service adjusted by the multiplier. New variable=(# D2140 codes)+(# D2330
Tx Grp.: Surface Amalgam or	D2160	3	codes)+2*((# D2150 codes)+(# D2331 codes))+3*((# D2160 codes)+(# D2332
Resin - 3 surfaces	D2332	3	codes))+4*((# D2161 codes)+(# D2335 codes))
Tx Grp.: Surface Amalgam or	D2161	4	For simplicity, we will ignore whether or not services are received on the same
Resin - 4 surfaces	D2335	4	date, and to eliminate outliers, we will create a top coded version of this variable.
			The top coded variable will replace all values greater than 10 with 10.

NOTOP value will be the value prior to top coding of values over 10 to 10.

# Overall Percentage of Enrollees That Received Dental Prevention Services MarketScan Medicaid, 2012

PMCoE Dental - Continuously Enrolled Children 1-18 Years of Age:

Age	Total	Preventio	n Services
Group	Enrollees	N	%
1	199,882	161,881	81.0%
2	205,804	152,373	74.0%
3-4	425,994	345,037	81.0%
5	202,885	157,714	77.7%
6-8	548,498	413,102	75.3%
9	172,087	126,485	73.5%
10-11	338,311	247,863	73.3%
12-18	886,690	391,608	44.2%
Total	2,980,151	1,996,063	67.0%

Prevention includes anyone with any of the following services:

WELL\_CHILD, PREV\_A, PREV\_B, PREV\_C, PREV\_D or PREV\_E

## Overall Percentage of Enrollees That Received Dental Treatment Services MarketScan Medicaid Database, 2012

PMCoE Dental – Continuously Enrolled Children 1-18 Years of Age:

Age	Total	Treatmen	t Services
Group	Enrolles	N	%
1	199,882	7,865	3.9%
2	205,804	23,870	11.6%
3-4	425,994	99,937	23.5%
5	202,885	61,288	30.2%
6-8	548,498	182,128	33.2%
9	172,087	50,041	29.1%
10-11	338,311	89,605	26.5%
12-18	886,690	225,979	25.5%
Total	2,980,151	740,713	24.9%

Treatment includes anyone with any of the following services:

TX\_A\_1-TX\_A\_4, TX\_B\_01-TX\_B\_12, TX\_C\_1-TX\_C\_2 or TX\_E\_1-TX\_E\_4