

Logistic Regression Results

	Well Child Visit			One or More Surface Amalgams			Two or More Surface Amalgams			Anterior Resin-Based Crown			One or More Surface Resin Composites			Two or More Surface Resin Composites			Prefab Stainless Steel Crown Primary			Any Crown	
	Odds Ratio	95% CI	95% CI	Odds Ratio	95% CI	95% CI	Odds Ratio	95% CI	95% CI	Odds Ratio	95% CI	95% CI	Odds Ratio	95% CI	95% CI	Odds Ratio	95% CI	95% CI	Odds Ratio	95% CI	95% CI	Odds Ratio	95% CI
Prevention Service (Comparison group is No Service)																							
Well Child Visit	--	--	--	1.2	1.189	1.21	1.165	1.153	1.177	1.196	1.113	1.285	1.344	1.335	1.354	1.287	1.276	1.297	1.167	1.153	1.182	1.17	1.156
Dental Prophy-At least one claim	1.924	1.914	1.935	4.841	4.789	4.894	4.287	4.233	4.342	9.285	8.281	10.411	6.134	6.077	6.191	5.156	5.101	5.211	9.676	9.458	9.898	8.513	8.348
Dental Prophy Claims																							
1	1.708	1.697	1.718	4.288	4.238	4.338	3.848	3.795	3.901	8.448	7.5	9.515	5.48	5.426	5.535	4.743	4.689	4.797	8.983	8.774	9.197	7.873	7.713
2	2.31	2.294	2.327	5.809	5.737	5.883	5.033	4.959	5.108	9.687	8.566	10.955	7.292	7.214	7.37	5.851	5.78	5.924	10.275	10.033	10.524	9.147	8.957
3+	2.033	1.959	2.11	9.65	9.236	10.081	8.432	8.017	8.869	50.463	41.588	61.231	11.849	11.396	12.319	8.927	8.544	9.328	27.891	26.533	29.317	25.058	23.897
Fluoride Treatment-At least one claim	1.976	1.966	1.986	4.465	4.42	4.51	4.03	3.982	4.078	11.679	10.222	13.345	5.755	5.706	5.804	4.836	4.788	4.884	8.743	8.551	8.939	7.762	7.613
Fluoride Treatment Claims																							
1	1.739	1.728	1.749	3.959	3.915	4.003	3.627	3.581	3.675	7.741	6.726	8.908	5.091	5.044	5.137	4.43	4.383	4.478	7.863	7.684	8.047	6.948	6.809
2	2.355	2.339	2.371	5.26	5.199	5.323	4.65	4.586	4.715	12.043	10.468	13.856	6.829	6.761	6.897	5.456	5.394	5.519	9.354	9.138	9.576	8.396	8.224
3	2.922	2.843	3.002	7.098	6.86	7.344	6.242	5.993	6.502	63.907	54.486	74.958	10.308	10.005	10.621	7.562	7.301	7.831	18.086	17.349	18.853	16	15.392
4+	3.8	3.563	4.054	7.702	7.159	8.287	6.489	5.933	7.097	96.754	78.337	119.502	11.589	10.853	12.376	7.607	7.024	8.238	24.859	23.035	26.827	21.525	20.029
Fluoride Treatment Medical Provider-At least one claim	9.971	9.605	10.351	0.896	0.856	0.938	0.886	0.835	0.939	2.04	1.755	2.37	1.287	1.238	1.338	1.289	1.227	1.354	0.885	0.836	0.938	0.929	0.882
Fluoride Treatment Claims - Medical Provider																							
1	9.071	8.712	9.445	0.903	0.859	0.949	0.895	0.84	0.954	2.108	1.793	2.477	1.298	1.245	1.353	1.292	1.225	1.363	0.914	0.859	0.973	0.964	0.913
2	15.107	13.549	16.843	0.9	0.802	1.011	0.897	0.771	1.045	2.006	1.41	2.853	1.308	1.181	1.449	1.316	1.148	1.508	0.773	0.66	0.905	0.804	0.702
3	18.624	14.392	24.101	0.722	0.544	0.957	0.59	0.39	0.891	0.841	0.27	2.622	0.881	0.671	1.158	0.961	0.667	1.385	0.68	0.47	0.984	0.694	0.506
4+	16.456	9.415	28.764	0.656	0.337	1.278	0.619	0.255	1.503	<0.001	<0.001	>999.999	1.073	0.636	1.81	1.444	0.789	2.642	0.484	0.18	1.303	0.373	0.139
Fluoride Treatment Dental Provider-At least one claim	1.809	1.799	1.818	3.449	3.417	3.482	3.194	3.159	3.23	8.473	7.644	9.391	4.241	4.209	4.275	3.671	3.638	3.705	5.503	5.412	5.595	5.401	5.318
Fluoride Treatment Claims - Dental Provider																							
1	1.603	1.594	1.613	3.06	3.028	3.093	2.883	2.848	2.92	6.561	5.874	7.327	3.78	3.747	3.812	3.393	3.358	3.427	n/a	n/a	n/a	n/a	n/a
2	2.159	2.144	2.174	4.016	3.971	4.062	3.635	3.587	3.684	8.95	8.002	10.011	4.909	4.864	4.955	4.055	4.011	4.099	n/a	n/a	n/a	n/a	n/a
3	1.843	1.776	1.913	6.119	5.854	6.397	5.436	5.161	5.727	88.721	76.533	102.85	8.679	8.352	9.018	6.105	5.843	6.379	n/a	n/a	n/a	n/a	n/a
4+	1.634	1.479	1.804	7.541	6.752	8.423	6.617	5.82	7.523	70.407	50.911	97.37	9.979	9.025	11.034	6.311	5.619	7.089	n/a	n/a	n/a	n/a	n/a
Any Sealants	1.4	1.389	1.411	2.329	2.304	2.355	2.054	2.027	2.08	5.479	5.027	5.973	3.484	3.455	3.514	2.642	2.616	2.668	2.85	2.807	2.894	2.82	2.779
Dental Prophy w/Fluoride Tx (Same Day)	1.919	1.909	1.93	4.578	4.529	4.627	4.086	4.035	4.138	7.933	7.139	8.817	5.791	5.738	5.844	4.902	4.851	4.954	8.024	7.86	8.191	7.347	7.214
Dental Prophy w/Sealant (Same Day)	1.319	1.305	1.333	1.477	1.453	1.502	1.35	1.324	1.378	2.379	2.08	2.72	1.732	1.71	1.754	1.488	1.466	1.51	1.589	1.556	1.623	1.589	1.557
Dental Prophy w/Sealant (Same Day) or Dental Prophy w/Fluoride (Same Day)	1.919	1.908	1.93	4.588	4.539	4.637	4.094	4.043	4.146	8.154	7.33	9.071	5.821	5.768	5.874	4.92	4.869	4.972	8.158	7.99	8.329	7.446	7.311

	Protective Restoration			Core Build Up Including Pins			Partial Pulpectomy			Complete Pulpectomy			Pulp Cap Indirect			Therapeutic Pulpotomy			Pulpal Therapy			End Therapy		
95% CI	Odds Ratio	95% CI	95% CI	Odds Ratio	95% CI	95% CI	Odds Ratio	95% CI	95% CI	Odds Ratio	95% CI	95% CI	Odds Ratio	95% CI	95% CI	Odds Ratio	95% CI	95% CI	Odds Ratio	95% CI	95% CI	Odds Ratio	95% CI	95% CI
1.184	0.965	0.928	1.003	0.859	0.806	0.915	1.198	1.186	1.21	0.956	0.934	0.978	0.958	0.894	1.027	1.095	1.078	1.112	0.687	0.619	0.762	0.909	0.874	0.946
8.682	2.877	2.748	3.012	1.102	1.018	1.192	6.046	5.964	6.129	0.848	0.821	0.876	3.252	3.004	3.521	7.639	7.445	7.838	6.162	5.219	7.274	1.082	1.03	1.136
8.035 9.34 26.275	2.965 2.635 6.676	2.823 2.49 5.65	3.113 2.788 7.889	1.182 0.901 2.986	1.083 0.797 1.973	1.289 1.019 4.518	5.447 6.918 12.909	5.369 6.815 12.336	5.526 7.023 13.508	0.785 0.967 1.99	0.756 0.92 1.607	0.816 1.015 2.464	3.266 2.915 17.511	3 2.634 14.208	3.555 3.226 21.582	7.827 7.133 18.288	7.622 6.938 17.209	8.038 7.333 19.434	6.026 5.401 44.919	5.071 4.513 35.111	7.159 6.463 57.467	1.164 0.894 2.106	1.103 0.829 1.545	1.228 0.965 2.871
7.914	3.035	2.906	3.17	2.251	2.118	2.394	5.362	5.292	5.432	1.318	1.287	1.349	5.549	5.116	6.019	6.557	6.396	6.721	5.002	4.286	5.836	2.048	1.971	2.128
7.091 8.571 16.633 23.134	3.169 2.716 4.658 6.632	3.025 2.574 3.994 4.944	3.32 2.867 5.432 8.897	2.468 1.777 2.958 2.276	2.31 1.618 2.059 0.851	2.636 1.951 4.25 6.084	4.788 6.125 8.881 10.476	4.722 6.037 8.547 9.657	4.855 6.215 9.229 11.364	1.237 1.446 2.78 2.102	1.204 1.396 2.43 1.465	1.272 1.498 3.181 3.016	5.561 4.936 16.845 34.779	5.105 4.472 13.823 25.55	6.058 5.448 20.529 47.34	6.522 6.206 12.785 13.551	6.357 6.042 12.171 12.289	6.692 6.374 13.43 14.944	4.679 4.281 26.617 19.671	3.979 3.614 21.307 12.244	5.502 5.07 33.25 31.605	2.229 1.634 2.96 3.869	2.138 1.54 2.386 2.482	2.323 1.732 3.67 6.03
0.977	1.819	1.515	2.185	1.407	0.829	2.386	0.961	0.904	1.022	0.809	0.628	1.042	1.098	0.738	1.633	1.011	0.948	1.079	0.803	0.47	1.374	1.131	0.84	1.523
1.019 0.92 0.95 1.003	2.047 0.728 0.534 0.001	1.696 0.345 0.075 <0.001	2.471 1.536 3.807 >999.999	1.589 <0.001 3.648 <0.001	0.919 <0.001 0.506 <0.001	2.748 >999.999 26.273 >999.999	0.997 0.876 0.47 0.613	0.933 0.745 0.29 0.251	1.065 1.03 0.76 1.499	0.831 0.719 0.877 0.001	0.631 0.357 0.215 <0.001	1.096 1.449 3.568 >999.999	1.076 1.491 <0.001 <0.001	0.695 0.612 >999.999 >999.999	1.666 3.631 0.704 0.17	1.062 0.822 0.704 0.17	0.991 0.687 0.462 0.024	1.138 0.983 1.073 1.213	0.962 <0.001 <0.001 <0.001	0.563 <0.001 <0.001 <0.001	1.642 >999.999 >999.999 >999.999	1.159 0.793 1.544 3.262	0.838 0.328 0.382 0.451	1.604 1.918 6.236 23.623
5.484	1.858	1.784	1.935	1.031	0.96	1.107	3.775	3.733	3.818	1.337	1.304	1.371	1.996	1.859	2.144	4.094	4.017	4.173	3.992	3.512	4.537	1.337	1.282	1.394
n/a n/a n/a n/a	1.958 1.643 3.659 6.916	1.872 1.558 3.041 4.814	2.049 1.733 4.403 9.936	1.14 0.803 2.285 1.514	1.053 0.716 1.499 0.377	1.234 0.902 3.482 6.072	3.39 4.248 7.199 10.344	3.348 4.194 6.869 9.221	3.432 4.303 7.545 11.603	1.278 1.419 2.801 2.314	1.241 1.366 2.372 1.438	1.317 1.474 3.308 3.724	1.953 1.756 11.294 28.185	1.801 1.596 9.199 19.961	2.117 1.933 13.868 39.798	4.191 3.801 10.004 10.346	4.106 3.719 9.431 8.917	4.277 3.884 10.612 12.004	4.124 3.107 28.657 23.641	3.599 2.676 22.874 13.235	4.727 3.607 35.902 42.229	1.446 1.097 2.451 4.624	1.38 1.027 1.871 2.716	1.516 1.172 3.211 7.871
2.862	1.636	1.556	1.719	1.175	1.073	1.288	2.192	2.167	2.218	0.936	0.901	0.972	3.009	2.789	3.247	2.686	2.636	2.737	2.552	2.27	2.868	1.195	1.129	1.266
7.482	2.753	2.63	2.882	1.135	1.048	1.23	5.454	5.383	5.526	0.827	0.799	0.855	3.2	2.955	3.465	6.271	6.125	6.419	5.036	4.332	5.855	1.075	1.023	1.13
1.622	1.009	0.93	1.096	0.897	0.754	1.068	1.542	1.518	1.567	0.684	0.63	0.743	1.788	1.583	2.018	1.535	1.494	1.576	1.589	1.353	1.868	0.791	0.704	0.889
7.584	2.756	2.633	2.885	1.138	1.05	1.232	5.499	5.427	5.572	0.828	0.8	0.856	3.182	2.939	3.446	6.354	6.206	6.506	5.021	4.319	5.837	1.072	1.02	1.127

2012 - Number of Surface Amalgams or Resin - Children Age 1-18

<u>Number of Surfaces Amalgams or Resin</u>	Frequency	Percent	Cumulative	Cumulative
			Frequency	Percent
0	2727740	91.53	2727740	91.53
1	48667	1.63	2776407	93.16
2	55545	1.86	2831952	95.03
3	31945	1.07	2863897	96.1
4	35333	1.19	2899230	97.28
5	13461	0.45	2912691	97.74
6	17282	0.58	2929973	98.32
7	8632	0.29	2938605	98.61
8	10613	0.36	2949218	98.96
9	5442	0.18	2954660	99.14
10	25491	0.86	2980151	100

Linear Regression Results

	Number of Surface Amalgams	
	Coefficient	P-Value
Prevention Service (Comparison group is No Service)		
Well Child Visit	0.0486	<.0001
Dental Prophy-At least one claim	0.4146	<.0001
Dental Prophy Claims		
1	0.3677	<.0001
2	0.4729	<.0001
3+	0.99	<.0001
Fluoride Treatment-At least one claim	0.4047	<.0001
Fluoride Treatment Claims		
1	0.3596	<.0001
2	0.4587	<.0001
3	0.6469	<.0001
4+	0.667	<.0001
Fluoride Treatment Medical Provider-At least one claim	-0.0134	0.0368
Fluoride Treatment Claims - Medical Provider		
1	-0.0121	0.0959
2	-0.011	0.4274
3	-0.0397	0.1624
4+	-0.0472	0.4973
Fluoride Treatment Dental Provider-At least one claim	0.3632	<.0001
Fluoride Treatment Claims - Dental Provider		
1	0.3186	<.0001
2	0.4149	<.0001
3	0.8174	<.0001
4+	1.097	<.0001
Any Sealants	0.3	<.0001
Dental Prophy w/Fluoride Tx (Same Day)	0.4041	<.0001
Dental Prophy w/Sealant (Same Day)	0.122	<.0001
Dental Prophy w/Sealant (Same Day) or Dental Prophy w/Fluoride (Same Day)	0.4048	<.0001