

State SSP Sample Cost Report: 2017-2018

ITEM	UNITS
Sealant Stations	
Dentworks	8
Aseptico	0
Other Manufacturers	0
TOTAL SEALANT STATIONS	
Reusable Instruments	
Instrument sets	180
Sterilization	
Autoclave	1
Per year (ultrasonic cleaner, tray, utility gloves)	1
Per school event (spore testing kit)	307
Per day (sterilizer cleaner/ultrasonic cleaner solution)	900
Per child (instrument bag)	14523
TOTAL REUSABLE INSTRUMENTS	
Infection Control and Supplies	
Per year (eyewash station, Sharps container, kits*)	1
Per station (waterline testing, protective eyewear and bib clip)	1
Per operator (protective eyewear)	1
Per day (trash liners, hand-sanitizer and hand soap)	900
Per day per station (waterline treatment, evacuation system treatment)	900
Per day per operator (protective clothing)	900
Supplies for screening	14523
Supplies for sealants (in addition to screening costs)	7858
Disposable instruments	0
Sealant material	35561
TOTAL INFECTION CONTROL & SUPPLIES	
Labor	
Dentist	
Travel	65.00
At school	722.30
Dental Hygienist	
Travel	1052.20
At school	4926.40
Dental Assistant	
Travel	681.20
At school	3306.90
Non-dental	
Travel	526.30
At school	102.50
TOTAL LABOR	
TOTAL MILEAGE	
78371	
TOTAL ADMINISTRATIVE	
TOTAL PROGRAM COSTS	

Cost per child sealed
Cost per tooth sealed
Clinical labor time (hours) per child sealed
Clinical labor cost per child sealed



Summary of services delivered

Number of children screened
Number of children sealed
Number of teeth sealed
Number of fluoride varnish applications
Number of prophylaxes



Summary of schools served

Number of high need schools
Number of rural schools



*Kits include blood borne pathogen spill, first aid, and chemical hazard

AVERAGE COST PER UNIT**TOTAL COST PER UNIT**

\$664.96	\$5,319.68
\$664.97	\$0.00
\$664.98	\$0.00
\$664.99	\$0.00
\$664.10	\$0.00
\$664.10	\$119,538.18

\$107.18	\$107.18
\$99.86	\$99.86
\$6.73	\$2,066.11
\$0.34	\$306.00
\$0.06	\$871.38

\$122,988.71

\$151.37	\$151.37
\$57.75	\$57.75
\$4.78	\$4.78
\$1.54	\$472.78
\$5.10	\$4,590.00
\$2.78	\$2,502.00
\$1.15	\$16,701.45
\$0.48	\$3,771.84
\$0.00	\$0.00
\$0.00	\$0.00

\$28,251.97

\$109.94	\$7,146.09
\$109.94	\$79,409.66

\$52.07	\$54,788.40
\$52.07	\$256,517.83

\$25.90	\$17,643.08
\$25.90	\$85,648.71

\$26.05	\$13,710.13
\$26.05	\$2,670.20

\$517,534.10

\$0.54	\$42,320.55
	\$4,000

\$715,095.33

\$91.00
\$20.11
1.14
\$53.65

14523
7858
35561
14036
36

160
239

Number of schools served by SSP

High need, urban	6
High need, rural	2
Rural	2

Effectiveness in targeting high-risk children that lack access to dental care

	Value	Response rate
% with untreated decay (baseline)	35.4	99.8
% with treated or untreated decay (baseline)	54.0	99.8
% with sealants present (baseline)	25.0	99.8
% needing "Restorative Care" (baseline)	22.0	100.0
% needing "Urgent Care" (baseline)	15.0	99.8
One-year 1M attack rate without program/ based on # children	15.77%	784

Number of services delivered

Children screened	1052
Children sealed	740

By age in years

5	0
6	3
7	298
8	198
9	50
10	116
11	62
12	11
13	2
14	0
15	0
16	0
17	0
18	0
Other/unknown	0

By grade

1st	1	
2nd	509	
3rd	29	
4th	24	
5th	176	
6th	0	
7th	0	
Other/unknown	1	
1st molars / 2nd molars / other teeth sealed	2332	179
Children referred for dental care	388	

Quality of services delivered and program impact

Sealant retention rate / based on # children	0.873	333
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Percentage screened children with sealant after event	82.9	
Percentage of targeted children subsequently screened	0.5	
Percentage screened children subsequently sealed	70.3	
Estimated cavaties averted over 9 years undiscounted / discounted	1225.99	1120.56
Estimated averted 9-year Medicaid treatment costs undiscounted / discounted	\$79,689.23	\$72,836.58

SSP output description	Value
Number of children screen	1052
PosUntreat SUM	372
UntreatReport SUM	1050
PosUrgent SUM	157
PosRestCare SUM	231
ReportUrgency SUM	1050
PosTreated SUM	
RepostTreated SUM	
PosCariesExp SUM	568
ReportCariesExp SUM	1052
PosSeal SUM	263
ReportSeal SUM	1050
ARDummy7 SUM	324
ARDummy8 SUM	226
ARDummy9 SUM	54
ARDummy10 SUM	105
ARDummy11 SUM	61
ARDummy12 SUM	13
ARDummy13 SUM	1
NewDecay1M7 SUM	261
NewDecay1M8 SUM	225
NewDecay1M9 SUM	73
NewDecay1M10 SUM	176
NewDecay1M11 SUM	107
NewDecay1M12 SUM	24
NewDecay1M13 SUM	0
WereSealed SUM	740
SealPost SUM	872
FirstSealed SUM	2332
SecondSealed SUM	179
OSealed SUM	50
CheckRetained SUM	1600
CheckSealed SUM	1833
ChildChecked SUM	533
Consnts	2000
5-year olds sealed	0
6-year olds sealed	3
7-year olds sealed	298
8-year olds sealed	198
9-year olds sealed	50
10-year olds sealed	116
11-year olds sealed	62
12-year olds sealed	11
13-year olds sealed	2
14-year olds sealed	0
15-year olds sealed	0

16-year olds sealed	0
17-year olds sealed	0
18-year olds sealed	0
age unknown sealed	0
Grade 1 sealed	1
Grade 2 sealed	509
Grade 3 sealed	29
Grade 4 sealed	24
Grade 5 sealed	176
Grade 6 sealed	0
Grade 7 sealed	0
Other Grade sealed	1
Medicaid reimbursement for	\$65.00

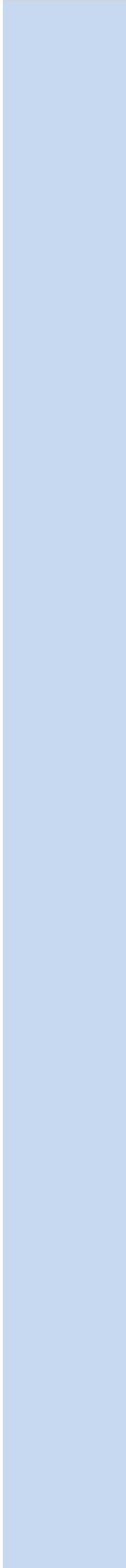
Description

Number of children screened
Number of children with untreated decay
Number of children for whom Untreated Caries was answered validly
Number of children with Treatment Urgency = "Urgent Treatment"
Number of children with Treatment Urgency = "Restorative Care"
Number of children for whom Treatment Urgency was answered validly
Number of children with treated decay
Number of children for whom Treated Caries was answered validly
Number of children with treated or untreated caries
Number of children for whom Caries Experience was answered validly
Number of children with sealants present at baseline
Number of children for whom Sealants Present was answered validly
Number of children 7 years old with valid amount of 1M decay reported
Number of children 8 years old with valid amount of 1M decay reported
Number of children 9 years old with valid amount of 1M decay reported
Number of children 10 years old with valid amount of 1M decay reported
Number of children 11 years old with valid amount of 1M decay reported
Number of children 12 years old with valid amount of 1M decay reported
Number of children 13 years old with valid amount of 1M decay reported
Decayed or filled 1M among 7 year olds
Decayed or filled 1M among 8 year olds
Decayed or filled 1M among 9 year olds
Decayed or filled 1M among 10 year olds
Decayed or filled 1M among 11 year olds
Decayed or filled 1M among 12 year olds
Decayed or filled 1M among 13 year olds
Number of children sealed
Number of children with at least one sealant after the event
Number of first molars sealed
Number of second molars sealed
Number of other teeth sealed
Sealants retained among children with valid retention check
Sealants placed among children with a valid retention check
Number of children checked for retention regardless of how long after placement

SAS output description

Number SSP, urban>50%
Number of SSP, rural>50%
Number of SSP, rural

Value	Description
6	urbanFRL
2	ruralFRL
2	rural



Reported age	Time 1M in mouth on average*	Number of children with no sealants at baseline screening	Sum of DF1M among children with no sealants at baseline screening	AR for years elapsed	AR for one year	Weighted by proportion of children in age group
7	1	324	261	20.14%	20.14%	8.32%
8	2	226	225	24.89%	13.33%	3.84%
9	3	54	73	33.80%	12.84%	0.88%
10	4	105	176	41.90%	12.70%	1.70%
11	5	61	107	43.85%	10.90%	0.85%
12	6	13	24	46.15%	9.80%	0.16%
13	7	1	1	25.00%	4.03%	0.01%
		784		Weighted average one-year AR		15.77%

*Assumes permanent 1M erupt at age 6.

Averted cavities	Non-discounted	Discounted
1st molars	1,139	1,041
2nd molars	87	80
All molars	1,226	1,121

PARAMETERS USED TO ESTIMATE AVERTED 1M CAVITIES

AR	0.16	Conditional
R1	0.87	retention
r2	0.79	0.91
r3	0.73	0.92
r4	0.68	0.93
r5	0.64	0.94
r6	0.60	0.95
r7	0.58	0.95
r8	0.55	0.96
r9	0.53	0.97
1st molars seal	2332	
2nd molars	179	

1M CAVITIES WITH NO SEALANT PROGRAM

Years since placed	Sound	Cumulative cavities	Cavities per year
0	2332	0	0
1	1964	368	368
2	1655	677	310
3	1394	938	261
4	1174	1158	220
5	989	1343	185
6	833	1499	156
7	702	1630	131
8	591	1741	111
9	498	1834	93
			1834

1M CAVITIES WITH SEALANT PROGRAM

Years since placed	Sound Sealed	Sound Unsealed	Cumulative cavities	Cavities per year
0	2332	0	0	0
1	2036	250	47	47
2	1848	368	116	69
3	1700	435	197	81
4	1581	466	284	87
5	1485	474	373	89
6	1407	465	460	87
7	1343	446	544	83
8	1289	421	622	79
9	1245	392	696	73

AVERTED 1M CAVITIES

Year	Non-discounted	Discounted
1	321	312
2	241	227
3	179	164
4	132	118
5	96	83
6	69	58
7	48	39
8	32	25
9	20	15
TOTAL	1139	1041

a 0.0100 0.64
 b 0.0120

Monthjs		cum Not sesealed	Cond Sealed	
1	0.0099	0.01	0.99	
2	0.0098	0.02	0.98	
3	0.0096	0.03	0.97	
4	0.0095	0.04	0.96	
5	0.0094	0.05	0.95	
6	0.0093	0.06	0.94	
7	0.0092	0.06	0.94	
8	0.0091	0.07	0.93	
9	0.0090	0.08	0.92	
10	0.0089	0.09	0.91	
11	0.0088	0.10	0.90	
12	0.0087	0.13	0.87	0.87
13	0.0086	0.13	0.87	
14	0.0085	0.14	0.86	
15	0.0084	0.15	0.85	
16	0.0083	0.16	0.84	
17	0.0082	0.16	0.84	
18	0.0081	0.17	0.83	
19	0.0080	0.18	0.82	
20	0.0079	0.18	0.82	
21	0.0078	0.19	0.81	
22	0.0077	0.20	0.80	
23	0.0076	0.20	0.80	
24	0.0075	0.21	0.79	0.907937
25	0.0074	0.21	0.79	
26	0.0073	0.22	0.78	
27	0.0072	0.22	0.78	
28	0.0071	0.23	0.77	
29	0.0071	0.24	0.76	
30	0.0070	0.24	0.76	
31	0.0069	0.25	0.75	
32	0.0068	0.25	0.75	
33	0.0067	0.26	0.74	
34	0.0066	0.26	0.74	
35	0.0066	0.27	0.73	
36	0.0065	0.27	0.73	0.919815
37	0.0064	0.28	0.72	
38	0.0063	0.28	0.72	
39	0.0063	0.28	0.72	
40	0.0062	0.29	0.71	
41	0.0061	0.29	0.71	
42	0.0060	0.30	0.70	
43	0.0060	0.30	0.70	
44	0.0059	0.31	0.69	
45	0.0058	0.31	0.69	
46	0.0058	0.31	0.69	
47	0.0057	0.32	0.68	
48	0.0056	0.32	0.68	0.930215

49	0.0056	0.33	0.67
50	0.0055	0.33	0.67
51	0.0054	0.33	0.67
52	0.0054	0.34	0.66
53	0.0053	0.34	0.66
54	0.0052	0.34	0.66
55	0.0052	0.35	0.65
56	0.0051	0.35	0.65
57	0.0050	0.35	0.65
58	0.0050	0.36	0.64
59	0.0049	0.36	0.64
60	0.0049	0.36	0.64 0.939308
61	0.0048	0.37	0.63
62	0.0048	0.37	0.63
63	0.0047	0.37	0.63
64	0.0046	0.38	0.62
65	0.0046	0.38	0.62
66	0.0045	0.38	0.62
67	0.0045	0.38	0.62
68	0.0044	0.39	0.61
69	0.0044	0.39	0.61
70	0.0043	0.39	0.61
71	0.0043	0.39	0.61
72	0.0042	0.40	0.60 0.947246
73	0.0042	0.40	0.60
74	0.0041	0.40	0.60
75	0.0041	0.40	0.60
76	0.0040	0.41	0.59
77	0.0040	0.41	0.59
78	0.0039	0.41	0.59
79	0.0039	0.41	0.59
80	0.0038	0.42	0.58
81	0.0038	0.42	0.58
82	0.0037	0.42	0.58
83	0.0037	0.42	0.58
84	0.0036	0.42	0.58 0.95417
85	0.0036	0.43	0.57
86	0.0036	0.43	0.57
87	0.0035	0.43	0.57
88	0.0035	0.43	0.57
89	0.0034	0.43	0.57
90	0.0034	0.44	0.56
91	0.0034	0.44	0.56
92	0.0033	0.44	0.56
93	0.0033	0.44	0.56
94	0.0032	0.44	0.56
95	0.0032	0.45	0.55
96	0.0032	0.45	0.55 0.960202
97	0.0031	0.45	0.55
98	0.0031	0.45	0.55
99	0.0030	0.45	0.55
100	0.0030	0.45	0.55
101	0.0030	0.46	0.54

102	0.0029	0.46	0.54
103	0.0029	0.46	0.54
104	0.0029	0.46	0.54
105	0.0028	0.46	0.54
106	0.0028	0.46	0.54
107	0.0028	0.46	0.54
108	0.0027	0.47	0.53 0.965454