

Volusia County School Based Preventive Dental Program Summary 2011 - 2012

# Schools		GRADE	# ENROLLED	# CHILD ASSESSED	# PARENT REFUSED	% TREAT	# OHI	# CHILD SEALED	# TEETH SEALED	# FLUOR TX
1	Turie T. Elem	2	59	41	18	68.3	59	26	96	41
2	Westside Elem	2	85	66	19	74.1	85	57	211	63
3	Pierson Elem	2	91	68	23	74.7	91	57	190	68
4	Blue Lake Elem	2	87	65	22	72.4	87	53	200	61
5	Osceola Elem	2	84	52	32	57.1	84	43	159	48
6	McInnis Elem	2	76	40	36	51.3	76	35	126	39
7	RJ Longstreet	2	69	35	34	50.7	69	28	104	35
8	Palm Terrace Elem	2	67	46	21	64.2	67	35	135	43
9	Enterprise Elem	2	95	48	47	49.5	95	36	123	47
10	Champion Elem	2	88	31	57	34.1	88	21	74	30
11	Holly Hill Elem	2	98	69	29	68.4	98	58	207	66
12	Friendship Elem	2	80	48	32	45.3	80	39	136	42
13	Edgewater Elem	2	95	63	32	65.3	95	56	213	62
14	Stark Elem	2	64	52	12	81.3	64	48	177	52
15	Orange City Elem	2	120	80	40	62.5	120	69	235	75
16	Spirit Elem	2	115	79	36	65.2	115	61	223	75
17	Woodward Ave. Elem	2	92	60	32	63	92	47	163	57
18	Manatee Grove Elem	2	108	50	58	42.6	108	36	125	46
19	Ortona Elem	2	34	25	9	73.5	34	22	85	24
20	Pride Elem	2	105	64	41	60	105	55	204	63
21	Discovery Elem	2	103	55	48	51.5	103	48	165	53
22	Deltona Lakes Elem	2	118	68	50	57.6	118	52	189	68
23	Citrus Grove Elem	2	107	68	39	63.6	107	52	192	68
24	Indian River Elem	2	105	71	34	61.9	105	57	206	65
25	Osteen Elem	2	103	57	46	50.5	103	48	174	51
26	Timbercrest Elem	2	152	96	56	57.2	152	77	287	86
27	Volusia Pines Elem	2	99	58	41	58.6	99	51	183	57
28	Sugar Mill Elem	2	118	79	39	56.8	118	49	183	66
29	Spruce Creek Elem	2	125	68	57	46.4	125	48	169	58
30	South Daytona Elem	2	144	106	38	72.2	144	66	235	102
31	Sunrise Elem	2	86	69	17	73.3	86	56	209	60
# Schools		GRADE	# ENROLLED	# CHILD ASSESSED	# PARENT REFUSED	% TREAT	# OHI	# CHILD SEALED	# TEETH SEALED	# FLUOR TX
31		2	2972	1877	1095	60.42	2972	1486	5378	1771

CDC SEALS PROGRAM

SUMMARY STATISTICS FOR PROGRAM: 2011 Volusia County School Based Preventive Program

2011 - 2012

GENERAL DEMOGRAPHICS

Number of events held	31		
% male	49.2	% reporting sex	100.0
% Medicaid patients	49.7	% SCHIP patients	0.1
% on neither	50.3	% reporting Medicaid/SCHIP status	99.5
% White‡	57.9	% Asian‡	1.5
% Black/African American‡	21.6	% Hispanic‡	21.1
% American Indian/Alaska Native‡	1.8	% Other‡	3.1
% Hawaiian/Pacific Islander‡	0.1	% reporting race	99.9

Summary of effectiveness in targeting high-risk populations that lack access to care

	value	%* of participants	% response
1. Participants with untreated decay (baseline)	698	39.1	100.0
2. Participants with urgent dental needs (baseline)	332	18.6	100.0
3. Participants with early dental needs (baseline)	384	21.5	100.0
4. Participants with treated or untreated decay (baseline)	991	55.5	100.0
5. Participants with sealants present (baseline)	362	20.3	100.0
6. Percentage of events targeting children in schools with <20% of students in free or reduced lunch program	0.0		
7. Percentage of events targeting children in schools with >=20% & <40% of students in free or reduced lunch	3.2		
8. Percentage of events targeting children in schools with >=40% & <50% of students in free or reduced lunch	6.5		
9. Percentage of events targeting children in schools with >=50% of students in free or reduced lunch program	90.3		

Summary of effectiveness of targeting high-risk teeth

1. Percentage of events targeting 1st molars	100.0		
2. Percentage of events targeting 1st molars of second graders	100.0		
3. Percentage of events targeting 2nd molars	100.0		
4. Percentage of events targeting 2nd molars of sixth graders	0.0		
5. 1.5-year attack rate in 1st molar surfaces (baseline) / based on # children	0.023	1696	
6. Estimated 9-year decay increment in 1st molar surfaces without program	692		

7. Among children age 12+, percentage of decayed or filled 2nd molar surfaces / based on # children	0.0	0
8. Estimated 9-year decay increment in 2nd molar surfaces without program**	0	

Summary of services delivered	value	% response
1. Number of children screened	1786	
2. Number of screened children with special health care needs	91	
3. Number of children sealed	1486	
4. Percentage of screened children with at least one sealant after event	90.5	
5. Percentage of screened children subsequently sealed*	83.2	100.0
6. Average number of surfaces sealed per child sealed	3.8	
7. Number of children receiving fluoride varnish	1527	
8. Number of children receiving other fluoride treatments	244	
9. Number of children referred for dental care	711	
10. Number of children receiving oral health education	2972	
11. Average hours of oral health education received per student instructed	0.5	

Summary of quality of services delivered	value	
1. Number of referrals that resulted in a dental visit	0	
2. Percentage of "early dental care" referrals that resulted in a dental visit*	0.0	
3. Percentage of "urgent care" referrals that resulted in a dental visit*	0.0	
4. Number of children evaluated for sealant retention 8 to 14 months from delivery	198	
5. Number of children evaluated for sealant retention <8 months / >14 months from delivery	131	94
6. Sealant retention rate / # children based on	0.941	423
7. 1st molar cavities averted by program (9-year horizon)	575	
8. 2nd molar cavities averted by program (9-year horizon)¶	0	

Summary of efficiency of input usage	Total outlays	Direct state funds	Medicaid funds + Medicaid reimb
1. Total cost	\$124,329.52	\$0.00	\$0.00
2. Cost per child screened	\$69.61	\$0.00	\$0.00
3. Cost per child sealed	\$83.67	\$0.00	\$0.00
4. Cost per surface sealed	\$22.30	\$0.00	\$0.00
5. Cost per cavity averted	\$215.98	\$0.00	\$0.00
6. Number of children screened per chair hour	9.25		
7. Number of children sealed per chair hour	3.23		
8. Number of children checked for sealant retention per chair hour	11.75		
9. Number of labor hours per chair hour during screening	2.43		
10. Number of labor hours per chair hour during sealing	2.11		
11. Number of labor hours per chair hour during retention check	3.34		
12. Administrative time (including organization, setup, and breakdown) per child screened (in hours)	0.41		

‡ The sum of the percentages in all racial/ethnic groups may exceed 100%, as more than one group may be reported per child.

* based on responses not entered as "99"

** based on 1st molar attack rate

¶ based on cavities averted per sealant for 1st molars