<u>Appendix</u> <u>Smile Survey 2005 – King County and Seattle Surveys</u>

			Total	Number	Response	
SCHOOL	2nd	3rd	Enrollment	Screened	Rate	FRL%
Lowell Elementary School	50	121	171	155	90.6%	10.0
North Beach Elementary School	26	36	62	58	93.5%	12.2
Sunset Elementary	70	54	124	107	86.3%	14.7
West Woodland Elementary	63	60	123	115	93.5%	24.4
East Ridge Elementary	72	76	148	119	80.4%	3.3
Kokanee Elementary	61	65	126	87	69.0%	9.3
John Rogers Elementary School	39	44	83	63	75.9%	17.7
Meridian Park Elementary	80	55	135	132	97.8%	20.7
Pathfinder K-8	35	41	76	70	92.1%	27.6
Arbor Heights Elementary School	74	71	145	102	70.3%	31.4
Brigadoon Elementary School	68	62	130	123	94.6%	31.9
Renton Park Elementary School	69	85	154	122	79.2%	33.7
Stevens Elementary School	47	46	93	66	71.0%	35.4
Mirror Lake Elementary School	74	73	147	111	75.5%	50.3
Panther Lake Elementary School	70	70	140	99	70.7%	53.6
Wing Luke Elementary School	46	40	86	64	74.4%	58.5
Graham Hill Elementary School	61	62	123	83	67.5%	59.7
Martin Luther King Elementary	17	25	42	36	85.7%	73.5
Rainier View Elementary School	44	36	80	46	57.5%	75.7
TOTAL			2188	1758	80.3%	

King County Sample for 2nd and 3rd Graders

Seattle Sample for 2nd and 3rd Graders

				Number	Response	
SCHOOL	2nd	3rd	Total Enrollment	Screened	Rate	FRL %
Lowell Elementary School	50	121	171	155	90.6%	10.0
North Beach Elementary School	26	36	62	58	93.5%	12.2
John Rogers Elementary School	39	44	83	63	75.9%	17.7
West Woodland Elementary	63	60	123	115	93.5%	24.4
Pathfinder K-8	35	41	76	70	92.1%	27.6
Arbor Heights Elementary School	74	71	145	102	70.3%	31.4
Stevens Elementary School	47	46	93	66	71.0%	35.4
Wing Luke Elementary School	46	40	86	64	74.4%	58.5
Graham Hill Elementary School	61	62	123	83	67.5%	59.7
Martin Luther King Elementary	17	25	42	36	85.7%	73.5
Rainier View Elementary School	44	36	80	46	57.5%	75.7
Dunlap Elementary School	61	67	128	80	62.5%	82.7
Gatzert Elementary School	60	51	111	84	75.7%	89.3
Total			1323	1022	77.2%	

Demographics for 2nd and 3rd Graders

Variable	WA State	Mean, Percent Or Std. Dev.	King County	Mean, Percent Or Std. Dev.	Seattle	Mean, Percent Or Std. Dev.
Age Mean Range	8.14 6 - 10	0.75	8.0813 6 – 10	0.73	8.002 6 – 10	0.52
Grade	0000	50.00%		40.00%		42 50%
2nd 3rd	3660 3631	50.20% 49.80%	819 939	46.60% 53.40%	445 577	43.50% 56.50%
Gender Male	3677	50.20%	917	52.00%	544	53.20%
Female	3604	49.50%	841	47.90%	478	46.80%
Free/Reduced Lunch Not Eligible Eligible	3422 2540	57.40% 42.60%	1151 597	65.50% 34.00%	588 433	57.53% 42.37%
Unknown	2040	12100 / 0	9	0.50%	1	0.1%
Language Spoken at Home English	6286	86.40%	1442	82.00%	753	72.70%
Spanish	655	9.00%	90	5.10%	58	5.70%
Other Unknown	335	4.60%	224 2	12.70% 0.10%	211	20.60%
Race/Ethnicity White	5134	70.80%	1033	58.80%	496	48.50%
African American	464	6.40%	266	56.80% 15.10%	490 244	48.50% 23.90%
Hispanic	979	13.50%	165	9.40%	79	7.70%
Asian	450	6.20%	253	14.40%	174	17.00%
American Indian/ Alaska Native	131	1.80%	5	0.30%	3	0.30%
Other Unknown	87	1.20%	28 7	1.60% 0.40%	14 12	1.40% 1.20%

Variable	WA State	Mean, Percent Or Std. Dev.	King County	Mean, Percent Or Std. Dev.
Age	4 1 2	0.65	4.05	0 54
Mean	4.13	0.65	4.05	0.54
Range	1 – 6		3 - 5	
Gender				
Male	593	50.2%	313	51.7%
Female	588	49.8%	841	48.3%
Language Spoken at Home English Spanish Other	782 322 76	66.3% 27.3% 6.4%	308 150 147	50.9% 24.8% 24.3%
Race/Ethnicity				
White	499	42.5%	153	25.3%
African			151	25.0%
American	128	10.9%		
Hispanic	364	31.0%	148	24.5%
Asian	51	4.3%	86	14.2%
American			5	0.1%
Indian/ Alaska				
Native	74	6.3%		
Other	59	5.0%	54	8.9%
Unknown			8	1.3%

Demographics for Head Start/ECEAP

Oral Health Status of 2nd and 3rd Grade Students

State Sample includes a portion of King County and Seattle Samples

Oral Health Measure	WA State (n=7289)	King County (n= 1758)	Seattle (n=1022)
	11.00/	70 00/	- - - - - - - - - -
% caries free (no treated or untreated)	41.0%	52.9%	54.1%
	(37.9-44.2)	(44.5-61.3)	(42.1-66.1)
% with caries experience	59.0%	47.1%	45.9%
	(55.8-62.1)	(38.7-55.5)	(33.9-57.9)
% with treated decay	50.4%	38.6%	36.3%
	(47.7-53.1)	(32.4-44.8)	(28.2-44.4)
% with untreated decay	19.7%	17.0%	18.6%
	(17.6-21.9)	(12.0-21.9)	(10.6-26.6)
% with rampant decay	21.2%	18.8%	12.9%
	(18.2-24.2)	(10.3-27.4)	(5.3-20.5)
% with dental sealants	44.8%	40.9%	43.1%
	(41.6-48.1)	(35.2-46.6)	(37.1-49.2)
% needing urgent treatment	3.2%	3.7%	2.1%
	(2.3-4.2)	(.9-6.4)	(.4-3.8)

Oral Health Status of 2nd and 3rd Grade Students

State Sample Without King County or Seattle Samples

Oral Health Measure	WA State	King County	Seattle
	(n=5531)	(n= 1758)	(n=1022)
% caries free (no treated or untreated)	40.1%	52.9%	54.1%
	(36.6-43.6)	(44.5-61.3)	(42.1-66.1)
% with caries experience	59.5%	47.1%	45.9%
	(56.4-63.4)	(38.7-55.5)	(33.9-57.9)
0/ with treated decay	51.7%	38.6%	36.3%
% with treated decay			
	(48.7-54.7)	(32.4-44.8)	(28.2-44.4)
% with untreated decay	19.5%	17.0%	18.6%
· · · · · · · · · · · · · · · · · · ·	(17.0-22.0)	(12.0-21.9)	(10.6-26.6)
% with rampant decay	20.5%	18.8%	12.9%
	(17.5-23.6)	(10.3-27.4)	(5.3-20.5)
% with dental sealants	46.0%	40.9%	43.1%
, when defined scalaries	(42.4-49.6)	(35.2-46.6)	(37.1-49.2)
% needing urgent treatment	2.9%	3.7%	2.1%
	(2.0-3.7)	(.9-6.4)	(.4-3.8)

Oral Health Measures Stratified by Free/Reduced Lunch Eligibility

Variable	WA State	WA State	King County	King County	Seattle	Seattle
	Not Eligible	Eligible	Not Eligible	Eligible	Not Eligible	Eligible
	(N=4118)	(n=2538)	(N=1151)	(n= 597)	(N=588)	(n=433)
% with caries experience	50.8%	70.5%	37.3%	64.4%	30.9%	63.3%
	(47.3-54.3)	(67.9-73.2)	(29.7-44.8)	(59.4-69.4)	(21.8-40.3)	(58.2-68.4)
					-	
% with untreated decay	14.6%	26.6%	11.0%	26.9%	9.6%	28.9%
	(12.4-16.8)	(23.1-30.0)	(6.6-15.4)	(23.4-30.3)	(3.4-15.9)	(23.5-34.4)
% with rampant caries	15.8%	29.1%	13.2%	28.8%	9.3%	17.2%
r	(13.1-18.5)	(24.5-33.7)	(6.2-20.2)	(18.3-39.2)	(1.3-17.2)	(8.9-25.6)
% with dental sealants	47.8%	42.8%	43.6%	36.0%	41.8%	44.8%
	(43.7-52.0)	(38.8-46.8)	(37.8-49.4)	(28.7-43.3)	(33.9-49.6)	(37.6-52.0)

Oral Health Measures Stratified by Race/Ethnicity for 2nd and 3rd Graders

State Table

Adjusted for Non-Response

("Other or "Unknown" categories not included n=127)

Variable	White	African	Hispanic	Asian /	Native
		American		Pacific	American
				Islander	
	(n=5135)	(n=462)	(n=981)	(n=451)	(n=133)
% with caries experience	55.0%	59.5%	72.2%	67.9%	77.3%
	(51.3-58.6)	(53.5-65.4)	(38.1-76.2)	(63.3-72.4)	(68.9-85.7)
% with untreated decay	16.3%	24.5%	29.5%	27.3%	37.0%
	(14.1-18.5)	(20.1-28.9)	(25.7-33.2)	(23.0-31.5)	(23.6-50.5)
% with rampant caries	17.9%	18.4%	33.5%	25.9%	41.8%
	(15.4-20.5)	(13.2-23.6)	(28.2-38.9)	(19.3-32.5)	(16.8-66.9)
% with dental sealants	47.1%	40.5%	38.7%	38.8%	47.6%
	(43.6-50.5)	(34.8-46.2)	(32.9-44.5)	(32.5-45.2)	(36.3-59.0)

Oral Health Measures Stratified by Race/Ethnicity for 2nd and 3rd Graders

King County Table

Adjusted for Non-Response

("Unknown" category not included n=8)

Variable	White	African	Hispanic	Asian /	Other
		American		Pacific	
				Islander	
	(n=1032)	(n=266)	(n=165)	(n=253)	(n=34)
% with caries experience	36.9%	55.3%	57.9%	67.1%	61.8%
	(28.6-45.3)	(47.7-62.9)	(48.0-67.8)	(59.2-75.0)	(45.7-76.4)
% with untreated decay	10.6%	22.3%	30.0%	27.0%	29.4%
	(6.0-15.1)	(15.4-29.2)	(21.0-35.0)	(20.6-33.4)	(9.7-39.9)
% with rampant caries	14.5%	17.5%	28.3%	27.3%	44.1%
	(5.8-23.1)	(9.1-25.9)	(14.5-42.2)	(18.3-36.4)	(26.4-66.5)
	·	•	•		
% with dental sealants	44.9%	37.9%	31.4%	34.8%	38.2%
	(38.3-51.4)	(30.2-45.6)	(21.9-40.9)	(27.3-42.5)	(16.0-67.0)

Oral Health Measures Stratified by Race/Ethnicity for 2nd and 3rd Graders

Seattle Table

Adjusted for Non-Response

("Unknown" category not included n=13)

Variable	White	African American	Hispanic	Asian / Pacific Islander	Other
	(n=495)	(n=244)	(n=79)	(n=174)	(n=17)
% with caries experience	28.7%	55.3%	57.1%	66.3%	58.8%
	(18.3-39.1)	(48.1-62.5)	(47.0-67.2)	(55.2-77.4)	(32.1-82.4)
	·		·		
% with untreated decay	8.0%	25.8%	25.4%	29.7%	29.4%
	(1.6-14.5)	(18.2-33.8)	(18.3-32.5)	(19.8-39.5)	(-3.4-58.9)
% with rampant caries	10.3%	11.8%	16.3%	19.1%	23.5%
_	(.4-20.2)	(5.6-18.0)	(-0.7-33.2)	(12.3-26.0)	(4.1-54.1)
% with dental sealants	44.2%	45.1%	38.4%	39.9%	47.0%
	(35.4-53.0)	(39.9-50.4)	(17.8-59.0)	(30.0-49.8)	(18.4-88.5)

Oral Health Measures Stratified by Language for 2nd and 3rd Graders

Variable WA State WA State King King Seattle Seattle County County Other Other English English English Other Language Language Language (n=6290) (**n=986**) (n=1441) (n=314) (n=752) (n=269) % with caries experience 56.7% 73.6% 42.7% 65.8% 37.6% 66.0% (70.0-77.2) (56.3-75.4) (27.2-48.1) (53.3-60.0) (48.9-65.7) (56.3-75.7)18.0% 30.8% 14.5% 27.6% 14.4% 28.7% % with untreated decay (26.8-34.7)(15.9-20.1)(9.3-19.7) (19.5 - 35.7)(6.4-22.4) (20.5-36.9)33.0% 16.6% 28.5% 11.3% 16.8% % with rampant caries 19.4% (11.6-45.5) (16.5-22.3)(26.7-39.2) (8.3-24.9) (1.8-20.9) (10.8-22.8)% with dental sealants 46.0% 37.8% 41.6% 37.9% 41.9% 46.2% (32.6-43.0) (35.7-47.5) (27.7-48.2) (34.8-48.9) (42.7-49.3) (37.0-55.4)

Sealant Comparison for School Based Programs (Not Adjusted for Non-Response)

		King County		
	King County	without	Seattle with	Seattle without
	with School	School Based	School Based	School Based
	Based Sealant	Sealant	Sealant	Sealant
Variable	Programs	Programs	Programs	Programs
% with dental sealants	68.5%	42.4%	66.4%	40.4%
	(60.8-75.5)	(38.9-46.0)	(60.2-72.2)	(35.1-46.0)

Oral Health Measures Comparison of 2000 and 2005 Surveys

(Differing survey strategies used)

Oral Health Measure	WA State 2000 (n=2699)	WA State 2005 (n=7291)	King County 2000 (n= 1337)	King County 2005 (n= 1758)
% caries free (no treated or untreated)	44% (40.4-47.8)	41% (38.8-43.2)	56%	53% (44.5-61.3)
% with caries experience	56% (53.7-57.4)	59% (57.9-60.1)	44%	47% (38.7-55.5)
% with untreated decay	21% (19.4-22.5)	20% (18.9-20.8)	15%	<u>17%</u> (12.0-21.9)
% with rampant decay	15% (13.9-16.7)	22% (20.6-22.5)	8%	<u>19%</u> (10.3-27.4)
% with dental sealants	47% (45.3-49.1)	45% (43.4-45.7)	44%	<u>43%</u> (37.1-49.2)

Oral Health Measures Comparison of 2000 and 2005 Surveys

King County Samples Stratified by Race

(Differing survey strategies used)

Variable	2000	2005	2000	2005	2000	2005	2000	2005	2000	2005
	White	White	African	African	Hispanic	Hispanic	Asian/PI	Asian/PI	Other	Other
			American	American						
	(n=633)	(n=1033)	(n=166)	(n=266)	(n=106)	(n=165)	(n=290)	(n=253)	(n=112)	(n=34)
% with caries experience	36%	37%	58%	55%	64%	58%	72%	67%	40%	62%
		(28.6-45.3)		(47.7-62.9)		(48.0-67.8)		(59.2-75.0)		(45.7-76.4)
% with untreated decay	18%	11%	23%	22%	29%	30%	34%	27%	15%	29%
		(6.0-15.1)		(15.4-29.2)		(21.0-35.0)		(20.6-33.4)		(9.7-39.9)
	1			1	1	-	r	1	1	
% with rampant caries	6%	15%	4%	18%	18%	28%	21%	27%	10%	44%
		(5.8-23.1)		(9.1-25.9)		(14.5-42.2)		(18.3-36.4)		(26.4-66.5)
									-	
% with dental sealants	46%	45%	39%	38%	48%	31%	41%	35%	38%	38%
		(38.3-51.4)		(30.2-45.6)		(21.9-40.9)		(27.3-42.5)		(16.0-67.0)

Oral Health Measure	WA State Percent (n=1172)	King County Percent (n=605)	
% with caries experience	45.1%	26.6%	
	(42.3-48.0)	(23.2-30.4)	
% with treated decay	26.2%	15.2%	
	(24.1-29.3)	(12.5-18.4)	
% with untreated decay	25.0%	14.2%	
	(22.6-27.6)	(11.6-17.3)	
	•		
% with rampant decay	15.3%	6.1%	
	(13.4-17.6)	(4.4-8.4)	
		-	
% with Early Childhood Caries	17.7%	9.6%	
(ECC)	(15.6-20.1)	(7.4-12.3)	
% needing dental care	21.5%	14.2%	
	(19.2-24.0)	(11.6-17.3)	
		1 .	
% needing urgent dental care	4.5%	0	
	(3.4-5.9)		

Oral Health Status of Head Start/ECEAP Children

Oral Health Measures Stratified by Race for Head Start/ECEAP Children

Oral Health Measure	WA State	WA State	King	King	Р
			County	County	
	(n=499)	(n=676)	(n=153)	(n=144)	Value
	White	Minority	White	Minority	
	Non-		Non-		
	Hispanic		Hispanic		
% with caries experience	38.7%	49.5%	21.6%	28.6%	0.1121
	(34.4-43.1)	(45.6-53.3)			
% with untreated decay	20.8%	27.9%	11.8%	15.3%	0.3445
	(17.4-24.7)	(24.6-31.5)			
% with rampant caries	13.6%	16.4%	4.6%	6.5%	0.4966
	(10.8-17.0)	(13.8-19.5)			
% with ECC	13.1%	20.8%	5.2%	11.0%	0.0513
	(10.3-16.6)	(17.8-24.2)			
% needing treatment	18.2%	23.8%	11.8%	15.1%	0.3783
	(15.0-22.0)	(20.7-27.2)			