

Supplementary Table 4: Unadjusted and Adjusted Odds Ratios and 95% CIs for Caries Experience According to Nursery Fluoride Varnish Applications by SIMD (Page 1/2)

Number of Nursery FVA	Total	Caries Experience		No Caries Experience		Unadjusted			Model-1			Model-2		
		n	%	n	%	OR	95% CI	P-value	OR	95% CI	p-value	OR	95% CI	P-value
SIMD 1 (Most Deprived)														
Not Targeted	1,242	503	(40.5)	739	(59.5)	0.80	(0.69, 0.93)	0.003	0.79	(0.68, 0.92)	0.002	0.79	(0.68, 0.92)	0.002
0	1,676	771	(46.0)	905	(54.0)	-	Referent	-	-	Referent	-	-	Referent	-
1	1,784	821	(46.0)	963	(54.0)	1.00	(0.88, 1.14)	0.992	1.00	(0.87, 1.14)	0.979	1.08	(0.94, 1.25)	0.269
2	1,694	780	(46.0)	914	(54.0)	1.00	(0.87, 1.15)	0.980	1.00	(0.87, 1.15)	0.998	1.09	(0.94, 1.25)	0.254
3	1,919	865	(45.1)	1,054	(54.9)	0.96	(0.84, 1.10)	0.578	0.96	(0.84, 1.10)	0.542	1.07	(0.93, 1.23)	0.373
4	1,950	881	(45.2)	1,069	(54.8)	0.97	(0.85, 1.10)	0.620	0.95	(0.83, 1.08)	0.429	1.08	(0.94, 1.25)	0.270
5 plus	1,512	689	(45.6)	823	(54.4)	0.98	(0.85, 1.13)	0.806	0.94	(0.82, 1.08)	0.396	1.09	(0.94, 1.28)	0.252
SIMD 2														
Not Targeted	2,806	939	(33.5)	1,867	(66.5)	0.75	(0.66, 0.86)	<0.001	0.75	(0.66, 0.86)	<0.001	0.77	(0.67, 0.87)	<0.001
0	1,427	571	(40.0)	856	(60.0)	-	Referent	-	-	Referent	-	-	Referent	-
1	1,062	386	(36.3)	676	(63.7)	0.86	(0.73, 1.01)	0.063	0.86	(0.73, 1.01)	0.065	0.87	(0.73, 1.02)	0.105
2	946	343	(36.3)	603	(63.7)	0.85	(0.72, 1.01)	0.066	0.85	(0.72, 1.01)	0.060	0.91	(0.77, 1.09)	0.274
3	1,292	473	(36.6)	819	(63.4)	0.87	(0.74, 1.01)	0.068	0.87	(0.74, 1.01)	0.075	0.96	(0.82, 1.12)	0.529
4	1,395	472	(33.8)	923	(66.2)	0.77	(0.66, 0.89)	<0.001	0.76	(0.65, 0.89)	<0.001	0.87	(0.74, 1.02)	0.058
5 plus	1,164	365	(31.4)	799	(68.6)	0.68	(0.58, 0.81)	<0.001	0.66	(0.56, 0.78)	<0.001	0.80	(0.67, 0.95)	0.006
SIMD 3														
Not Targeted	4,082	1,065	(26.1)	3,017	(73.9)	0.88	(0.77, 1.01)	0.069	0.88	(0.76, 1.01)	0.065	0.90	(0.78, 1.04)	0.1550
0	1,302	373	(28.6)	929	(71.4)	-	Referent	-	-	Referent	-	-	Referent	-
1	753	213	(28.3)	540	(71.7)	0.98	(0.81, 1.20)	0.861	0.99	(0.81, 1.21)	0.956	0.95	(0.78, 1.17)	0.626
2	753	242	(32.1)	511	(67.9)	1.18	(0.97, 1.43)	0.096	1.19	(0.98, 1.45)	0.080	1.23	(1.01, 1.50)	0.038
3	940	255	(27.1)	685	(72.9)	0.93	(0.77, 1.12)	0.429	0.94	(0.78, 1.13)	0.497	1.01	(0.83, 1.22)	0.953
4	968	245	(25.3)	723	(74.7)	0.84	(0.70, 1.02)	0.077	0.84	(0.69, 1.01)	0.062	0.93	(0.77, 1.13)	0.481
5 plus	811	204	(25.2)	607	(74.8)	0.84	(0.69, 1.02)	0.080	0.80	(0.65, 0.98)	0.029	0.92	(0.75, 1.13)	0.427

Supplementary Table 4: Unadjusted and Adjusted Odds Ratios and 95% CIs for Caries Experience According to Nursery Fluoride Varnish Applications by SIMD (Page 2/2)

SIMD 4															
Not Targeted	5,020	979	(19.5)	4,041	(80.5)	0.78	(0.68, 0.91)	0.001	0.78	(0.67, 0.90)	<0.001	0.78	(0.67, 0.90)	0.001	
0	1,278	302	(23.6)	976	(76.4)	-	Referent	-	-	Referent	-	-	Referent	-	
1	691	168	(24.3)	523	(75.7)	1.04	(0.84, 1.29)	0.735	1.04	(0.84, 1.29)	0.737	1.03	(0.83, 1.29)	0.766	
2	817	207	(25.3)	610	(74.7)	1.10	(0.89, 1.34)	0.374	1.09	(0.89, 1.34)	0.397	1.11	(0.99, 1.36)	0.330	
3	776	189	(24.4)	587	(75.6)	1.04	(0.84, 1.28)	0.709	1.04	(0.84, 1.28)	0.722	1.04	(0.85, 1.29)	0.690	
4	755	176	(23.3)	579	(76.7)	0.98	(0.79, 1.21)	0.870	0.98	(0.79, 1.21)	0.838	1.06	(0.85, 1.31)	0.623	
5 plus	539	133	(24.7)	406	(75.3)	1.06	(0.84, 1.34)	0.634	1.04	(0.82, 1.32)	0.740	1.15	(0.91, 1.47)	0.246	
SIMD 5 (Least Deprived)															
Not Targeted	5,648	820	(14.5)	4,828	(85.5)	0.84	(0.71, 0.99)	0.038	0.84	(0.71, 0.99)	0.036	0.82	(0.70, 0.98)	0.032	
0	1,285	216	(16.8)	1,069	(83.2)	-	Referent	-	-	Referent	-	-	Referent	-	
1	480	88	(18.3)	392	(81.7)	1.11	(0.85, 1.46)	0.451	1.11	(0.85, 1.46)	0.445	1.05	(0.80, 1.38)	0.714	
2	472	104	(22.0)	368	(78.0)	1.40	(1.08, 1.82)	0.012	1.41	(1.08, 1.83)	0.011	1.38	(1.06, 1.80)	0.017	
3	396	62	(15.7)	334	(84.3)	0.92	(0.68, 1.25)	0.589	0.93	(0.68, 1.26)	0.620	0.96	(0.70, 1.30)	0.739	
4	415	69	(16.6)	346	(83.4)	0.99	(0.73, 1.33)	0.931	0.99	(0.74, 1.33)	0.950	1.07	(0.80, 1.44)	0.708	
5 plus	329	63	(19.1)	266	(80.9)	1.17	(0.86, 1.60)	0.317	1.16	(0.85, 1.58)	0.356	1.25	(0.91, 1.73)	0.212	

Model-1 adjusted for: Sex, and age

Model-2 adjusted for: Sex, age, the three other Childsmile Interventions (Dental Health Support Worker Contacts, Childsmile Dental Practice Contacts, and Time Consented to Supervised Toothbrushing).

FVA – Fluoride Varnish Applications

SIMD – Scottish Index of Multiple Deprivation