

Supplementary Table 3: Unadjusted and Adjusted Odds Ratios and 95% CIs for Caries Experience According to Nursery Supervised Toothbrushing by SIMD

Nursery Supervised Toothbrushing	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)														
0 (no consent)	674	353	(52.4)	321	(47.6)	-	Referent	-	-	Referent	-	-	Referent	-
Up to 1 year	1,279	585	(45.7)	694	(54.3)	0.77	(0.64, 0.92)	0.005	0.77	(0.64, 0.93)	0.007	0.67	(0.55, 0.82)	0.001
>1 to 2 years	3,473	1,565	(45.1)	1,908	(54.9)	0.75	(0.63, 0.88)	<0.001	0.76	(0.65, 0.90)	0.001	0.67	(0.56, 0.80)	<0.001
>2 to 3 years	5,410	2,449	(45.3)	2,961	(54.7)	0.75	(0.64, 0.88)	<0.001	0.73	(0.62, 0.86)	<0.001	0.66	(0.55, 0.79)	<0.001
>3 years	941	358	(38.0)	583	(62.0)	0.56	(0.46, 0.68)	<0.001	0.54	(0.44, 0.66)	<0.001	0.49	(0.39, 0.60)	<0.001
SIMD 2														
0 (no consent)	779	338	(43.4)	441	(56.6)	-	Referent	-	-	Referent	-	-	Referent	-
Up to 1 year	750	301	(40.1)	449	(59.9)	0.87	(0.71, 1.07)	0.197	0.89	(0.72, 1.09)	0.259	0.82	(0.66, 1.02)	0.078
>1 to 2 years	2,619	934	(35.7)	1,685	(64.3)	0.72	(0.61, 0.85)	<0.001	0.74	(0.63, 0.88)	<0.001	0.71	(0.59, 0.84)	<0.001
>2 to 3 years	4,863	1,667	(34.3)	3,196	(65.7)	0.68	(0.58, 0.46)	<0.001	0.67	(0.58, 0.79)	<0.001	0.68	(0.57, 0.80)	<0.001
>3 years	1,081	309	(28.6)	772	(71.4)	0.52	(0.43, 0.63)	<0.001	0.51	(0.42, 0.62)	<0.001	0.51	(0.42, 0.63)	<0.001
SIMD 3														
0 (no consent)	1,112	333	(29.9)	779	(70.1)	-	Referent	-	-	Referent	-	-	Referent	-
Up to 1 year	536	180	(33.6)	356	(66.4)	1.18	(0.95, 1.47)	0.135	1.24	(0.99, 1.55)	0.057	1.14	(0.90, 1.44)	0.277
>1 to 2 years	2,198	612	(27.8)	1,586	(72.2)	0.90	(0.77, 1.06)	0.206	0.97	(0.82, 1.13)	0.667	0.91	(0.77, 1.08)	0.265
>2 to 3 years	4,680	1,240	(26.5)	3,440	(73.5)	0.84	(0.73, 0.97)	0.020	0.84	(0.73, 0.98)	0.022	0.83	(0.71, 0.97)	0.019
>3 years	1,083	232	(21.4)	851	(78.6)	0.64	(0.53, 0.77)	<0.001	0.62	(0.51, 0.76)	<0.001	0.62	(0.51, 0.76)	<0.001
SIMD 4														
0 (no consent)	1,387	306	(22.1)	1,081	(77.9)	-	Referent	-	-	Referent	-	-	Referent	-
Up to 1 year	478	106	(22.2)	372	(77.8)	1.01	(0.78, 1.29)	0.959	1.03	(0.80, 1.32)	0.818	0.89	(0.69, 1.16)	0.381
>1 to 2 years	2,237	538	(24.1)	1,699	(75.9)	1.12	(0.95, 1.31)	0.169	1.16	(0.99, 1.36)	0.072	1.01	(0.86, 1.20)	0.876
>2 to 3 years	4,519	985	(21.8)	3,534	(78.2)	0.98	(0.85, 1.14)	0.834	0.98	(0.85, 1.14)	0.834	0.86	(0.73, 1.00)	0.050
>3 years	1,255	219	(17.5)	1,036	(82.5)	0.75	(0.62, 0.91)	0.003	0.74	(0.61, 0.89)	0.002	0.65	(0.53, 0.79)	<0.001
SIMD 5 (Least Deprived)														
0 (no consent)	1,559	242	(15.5)	1,317	(84.5)	-	Referent	-	-	Referent	-	-	Referent	-
Up to 1 year	522	97	(18.6)	425	(81.4)	1.24	(0.96, 1.61)	0.102	1.26	(0.97, 1.63)	0.082	1.15	(0.88, 1.51)	0.290
>1 to 2 years	2,052	341	(16.6)	1,711	(83.4)	1.08	(0.91, 1.30)	0.376	1.11	(0.92, 1.32)	0.274	0.99	(0.82, 1.20)	0.892
>2 to 3 years	3,664	590	(16.1)	3,074	(83.9)	1.04	(0.89, 1.23)	0.600	1.05	(0.89, 1.23)	0.569	0.93	(0.78, 1.10)	0.425
>3 years	1,228	152	(12.4)	1,076	(87.6)	0.77	(0.62, 0.96)	0.018	0.76	(0.61, 0.95)	0.014	0.70	(0.56, 0.88)	0.002

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 Nursery and School Fluoride Varnish Applications).

SIMD – Scottish Index of Multiple Deprivation