

Supplementary file 3. Individual and school characteristics of participants with and without outcome data

Table 1. Individual and school characteristics for participants with and without nutritional and/or dental outcomes

Characteristic	n	Overall n = 2,543	No nutritional/dental outcomes n = 90	Nutritional and/or dental outcomes n = 2,453
Year group	2,543			
7		859 (33.78%)	33 (36.67%)	826 (33.67%)
9		850 (33.43%)	24 (26.67%)	826 (33.67%)
10		834 (32.80%)	33 (36.67%)	801 (32.65%)
Age	2,475	13.63 (1.29)	13.65 (1.35)	13.63 (1.29)
Unknown		68	8	60
IMD Quintile	2,294			
1		585 (25.50%)	11 (17.19%)	574 (25.74%)
2		389 (16.96%)	14 (21.88%)	375 (16.82%)
3		460 (20.05%)	18 (28.12%)	442 (19.82%)
4		425 (18.53%)	13 (20.31%)	412 (18.48%)
5		435 (18.96%)	8 (12.50%)	427 (19.15%)
Unknown		249	26	223
Sex Grouped	2,543			
Female		1,379 (54.23%)	31 (34.44%)	1,348 (54.95%)
Male		1,064 (41.84%)	46 (51.11%)	1,018 (41.50%)
Other		100 (3.93%)	13 (14.44%)	87 (3.55%)
Ethnicity	2,536			
Asian/Asian British		385 (15.18%)	10 (11.90%)	375 (15.29%)
Black/African/Caribbean/Black British		144 (5.68%)	7 (8.33%)	137 (5.59%)
I would rather not say		70 (2.76%)	5 (5.95%)	65 (2.65%)
Mixed/Multiple		142 (5.60%)	8 (9.52%)	134 (5.46%)
Other ethnic group		33 (1.30%)	1 (1.19%)	32 (1.31%)
White		1,762 (69.48%)	53 (63.10%)	1,709 (69.70%)
Unknown		7	6	1
Free School Meals	1,948			
Yes		302 (15.50%)	12 (19.05%)	290 (15.38%)
No		1,536 (78.85%)	45 (71.43%)	1,491 (79.10%)
Unknown		110 (5.65%)	6 (9.52%)	104 (5.52%)
Unknown		595	27	568
Teeth brushing frequency	2,249			
Never		5 (0.22%)	0 (0.00%)	5 (0.22%)
Less than once a day		26 (1.16%)	0 (0.00%)	26 (1.16%)
Once a day		279 (12.41%)	0 (0.00%)	279 (12.41%)
Twice a day		1,791 (79.64%)	1 (100.00%)	1,790 (79.63%)
Three times a day or more		148 (6.58%)	0 (0.00%)	148 (6.58%)
Unknown		294	89	205
School dinner/lunch	1,545			
Never		410 (26.54%)	15 (24.19%)	395 (26.64%)
Less than once a week		150 (9.71%)	4 (6.45%)	146 (9.84%)
Once a week		127 (8.22%)	3 (4.84%)	124 (8.36%)
Twice a week		100 (6.47%)	5 (8.06%)	95 (6.41%)
Three times a week		102 (6.60%)	6 (9.68%)	96 (6.47%)
Four times a week		92 (5.95%)	8 (12.90%)	84 (5.66%)

Characteristic	n	Overall n = 2,543	No nutritional/dental outcomes n = 90	Nutritional and/or dental outcomes n = 2,453
Every school day		564 (36.50%)	21 (33.87%)	543 (36.61%)
Unknown		998	28	970
Urban/Rural	2,543			
Rural		416 (16.36%)	16 (17.78%)	400 (16.31%)
Urban		2,127 (83.64%)	74 (82.22%)	2,053 (83.69%)
Number of pupils	2,543	1,083.89 (289.73)	1,158.68 (269.00)	1,081.14 (290.15)
Percent girls	2,543	56.28 (16.91)	51.89 (10.29)	56.44 (17.08)
Percent BME	2,543	30.56 (23.75)	26.94 (19.81)	30.69 (23.88)
Percent EAL	2,543	14.43 (16.74)	11.52 (14.04)	14.54 (16.83)
Percent FSM	2,543	19.42 (12.76)	19.77 (12.96)	19.41 (12.76)
Percent SEN	2,543	11.49 (4.09)	12.96 (4.20)	11.44 (4.08)
Sixth Form	2,543	1,798 (70.70%)	68 (75.56%)	1,730 (70.53%)
Religious	2,543			
Religious		242 (9.52%)	12 (13.33%)	230 (9.38%)
Secular		2,301 (90.48%)	78 (86.67%)	2,223 (90.62%)
Provision	2,543			
External		1,408 (55.37%)	52 (57.78%)	1,356 (55.28%)
In-house		1,135 (44.63%)	38 (42.22%)	1,097 (44.72%)
Academic year of data collection	2,543			
2019/2020		834 (32.80%)	11 (12.22%)	823 (33.55%)
2020/2021		314 (12.35%)	7 (7.78%)	307 (12.52%)
2021/2022		1,395 (54.86%)	72 (80.00%)	1,323 (53.93%)

Table 2. Individual and school characteristics for participants with and without nutritional outcome data

Characteristic	n	Overall n = 2,453	No nutritional information n = 180	Nutritional information n = 2,273
Year group	2,453			
7		826 (33.67%)	90 (50.00%)	736 (32.38%)
9		826 (33.67%)	30 (16.67%)	796 (35.02%)
10		801 (32.65%)	60 (33.33%)	741 (32.60%)
Age	2,393	13.63 (1.29)	13.23 (1.43)	13.66 (1.28)
Unknown		60	10	50
IMD Quintile	2,230			
1		574 (25.74%)	31 (20.95%)	543 (26.08%)
2		375 (16.82%)	37 (25.00%)	338 (16.23%)
3		442 (19.82%)	29 (19.59%)	413 (19.84%)
4		412 (18.48%)	28 (18.92%)	384 (18.44%)
5		427 (19.15%)	23 (15.54%)	404 (19.40%)
Unknown		223	32	191
Sex Grouped	2,453			
Female		1,348 (54.95%)	79 (43.89%)	1,269 (55.83%)
Male		1,018 (41.50%)	90 (50.00%)	928 (40.83%)
Other		87 (3.55%)	11 (6.11%)	76 (3.34%)
Ethnicity Agg	2,452			

Characteristic	n	Overall n = 2,453	No nutritional information n = 180	Nutritional information n = 2,273
Asian/Asian British		375 (15.29%)	16 (8.94%)	359 (15.79%)
Black/African/Caribbean/Black British		137 (5.59%)	14 (7.82%)	123 (5.41%)
White		1,709 (69.70%)	133 (74.30%)	1,576 (69.34%)
Mixed/Multiple		134 (5.46%)	6 (3.35%)	128 (5.63%)
Other ethnic group		32 (1.31%)	2 (1.12%)	30 (1.32%)
I would rather not say		65 (2.65%)	8 (4.47%)	57 (2.51%)
Unknown		1	1	0
Free School Meals	1,885			
Yes		290 (15.38%)	21 (15.79%)	269 (15.35%)
No		1,491 (79.10%)	99 (74.44%)	1,392 (79.45%)
Unknown		104 (5.52%)	13 (9.77%)	91 (5.19%)
Unknown		568	47	521
Teeth brushing frequency	2,248			
Less than once a day		31 (1.38%)	3 (1.70%)	28 (1.35%)
Once a day		279 (12.41%)	23 (13.07%)	256 (12.36%)
Twice a day or more		1,938 (86.21%)	150 (85.23%)	1,788 (86.29%)
Unknown		205	4	201
School dinner/lunch	1,483			
Never		395 (26.64%)	18 (33.96%)	377 (26.36%)
Less than once a week		146 (9.84%)	3 (5.66%)	143 (10.00%)
1-2 times a week		219 (14.77%)	13 (24.53%)	206 (14.41%)
3-4 times a week		180 (12.14%)	6 (11.32%)	174 (12.17%)
Every school day		543 (36.61%)	13 (24.53%)	530 (37.06%)
Unknown		970	127	843
Urban/Rural	2,453			
Rural		400 (16.31%)	42 (23.33%)	358 (15.75%)
Urban		2,053 (83.69%)	138 (76.67%)	1,915 (84.25%)
Number of pupils	2,453	1,081.14 (290.15)	1,102.51 (279.31)	1,079.45 (290.98)
Percent girls	2,453	56.44 (17.08)	54.28 (15.31)	56.61 (17.21)
Percent BME	2,453	30.69 (23.88)	25.60 (23.97)	31.09 (23.83)
Percent EAL	2,453	14.54 (16.83)	10.58 (14.82)	14.85 (16.94)
Percent FSM	2,453	19.41 (12.76)	17.13 (10.82)	19.59 (12.88)
Percent SEN	2,453	11.44 (4.08)	10.83 (3.78)	11.49 (4.10)
Sixth Form	2,453	1,730 (70.53%)	130 (72.22%)	1,600 (70.39%)
Religious	2,453			
Religious		230 (9.38%)	14 (7.78%)	216 (9.50%)
Secular		2,223 (90.62%)	166 (92.22%)	2,057 (90.50%)
Provision	2,453			
External		1,356 (55.28%)	97 (53.89%)	1,259 (55.39%)
In-house		1,097 (44.72%)	83 (46.11%)	1,014 (44.61%)
Academic year of data collection	2,453			
2019/2020		823 (33.55%)	54 (30.00%)	769 (33.83%)
2020/2021		307 (12.52%)	7 (3.89%)	300 (13.20%)
2021/2022		1,323 (53.93%)	119 (66.11%)	1,204 (52.97%)