Online supplemental appendix 6:

Multivariable logistic regression model of health behaviour markers and probability of PCR-test without confounders.

PCR tested for SARS-CoV-2 (n=6,958, R ² =0.01)	OR	p value	95% CI
Ate breakfast	1.05	0.632	0.87 – 1.27
Reference: did not eat breakfast	1.00		
Active travel to school	0.92	0.238	0.80 - 1.06
Reference: did not active travel to school	1.00		
Active travel from school	1.08	0.273	0.94 – 1.24
Reference: did not active travel from school	1.00		
Number of fruit/vegetable portions	1.00	0.941	0.98 - 1.03
Number of times teeth brushed	0.97	0.474	0.90 - 1.05
Sleep hours	0.99	0.654	0.96 – 1.02
Reference: 0 days physically active ≥ 60 mins (previous seven days)	1.00		
1-2 days physically active ≥ 60 mins	1.12	0.276	0.91 - 1.38
3-4 days physically active ≥ 60 mins	1.14	0.221	0.92 - 1.42
5-6 days physically active ≥ 60 mins	1.17	0.177	0.93 - 1.47
7 days physically active ≥ 60 mins	1.09	0.475	0.87 - 1.37
Reference: 0 days sedentary ≥ two hours (previous seven days)	1.00		
1-2 days sedentary ≥ two hours	1.16	0.209	0.92 - 1.46
3-4 days sedentary ≥ two hours	1.18	0.166	0.93 - 1.49
5-6 days sedentary ≥ two hours	1.15	0.275	0.90 - 1.47
7 days sedentary ≥ two hours	1.14	0.256	0.91 - 1.44
Reference: 0 days felt tired (previous seven days)	1.00		
1-2 days felt tired	0.98	0.791	0.86 - 1.13
3-4 days felt tired	0.99	0.881	0.84 - 1.16
5-6 days felt tired	1.04	0.667	0.86 - 1.26
7 days felt tired	0.97	0.730	0.83 - 1.14
Reference: 0 days consumed sugary snack (previous seven days)			
1-2 days consumed sugary snack	1.21*	0.062	0.99 - 1.49
3-4 days consumed sugary snack	1.08	0.489	0.87 - 1.33
5-6 days consumed sugary snack	1.29**	0.034	1.02 - 1.63
7 days consumed sugary snack	1.12	0.314	0.90 - 1.39
Number of out of school clubs	1.02	0.121	1.00 to 1.04
participation			
Can ride a bike	1.16*	0.064	0.99 – 1.35
Reference: cannot ride a bike	1.00		
Can swim 25m	1.30**	< 0.001	1.15 – 1.46

Reference: cannot swim 25m 1.00

OR: Odds Ratio; 95% CI: 95% confidence intervals; p<0.05**, p<0.1*. See online supplemental appendix 4 for variable codebook.

Multivariable logistic regression model of health behaviour markers and probability of PCR-test positive without confounders.

Ate breakfast 1.30 0.170 0.89 - 1.91 Reference: did not eat breakfast 1.00 0.91 0.451 0.71 - 1.17 Reference: did not active travel to school 1.00 0.614 0.83 - 1.36 Active travel from school 1.00 0.614 0.83 - 1.36 Reference: did not active travel from school 1.00 0.00 Number of fruit/vegetable portions 0.99 0.574 0.94 - 1.03 Reference: 0 fruit/vegetable portions 1.00 0.385 0.92 - 1.24 Reference: 0 fruit/vegetable portions 1.00 0.97 0.266 0.92 - 1.02 Reference: 0 day brysically active ≥ 60 0.97 0.266 0.92 - 1.02 Reference: 0 days physically active ≥ 60 mins 1.71 0.023 1.08 - 2.73 3-4 days physically active ≥ 60 mins 1.87 0.009 1.17 - 2.99 5-6 days physically active ≥ 60 mins 1.61 0.059 0.98 - 2.63 7 days physically active ≥ 60 mins 1.49 0.117 0.91 - 2.43 Reference: 0 days sedentary ≥ two hours 1.00 0.079 0.08 - 1.57 3-4 days sedentary ≥ two hours 1.00 0	PCR test positive for SARS-CoV-2 (n=6,958, R ² =0.01)	OR	p value	95% CI
Reference: did not eat breakfast 1.00 Active travel to school 0.91 0.451 0.71 − 1.17 Reference: did not active travel to school 1.00 0.614 0.83 − 1.36 Reference: did not active travel from school 1.00 0.614 0.83 − 1.36 Reference: did not active travel from school 1.00 0.99 0.574 0.94 − 1.03 Reference: 0 fruit/vegetable portions 1.00 0.00 0.385 0.92 − 1.24 Reference: did not brush teeth 1.00 0.00 0.385 0.92 − 1.02 Reference: 0 days physically active ≥ 60 1.00 0.00 0.266 0.92 − 1.02 Reference: 0 days physically active ≥ 60 mins 1.71 0.023 1.08 − 2.73 3 -4 days physically active ≥ 60 mins 1.61 0.059 0.98 − 2.63 7 days physically active ≥ 60 mins 1.49 0.117 0.91 − 2.43 Reference: 0 days sedentary ≥ two hours 1.00 0.059 0.68 − 1.57 7 days physically active ≥ 60 mins 1.00 0.933 0.66 − 1.54 5-6 days sedentary ≥ two hours 1.00 0.938 0.65 − 1.59 7 days sedentary ≥ two hours<		1 30	0.170	0.80 - 1.01
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Reference: 0 fruit/vegetable portions 1.00 Number of times teeth brushed 1.07 0.385 0.92 − 1.24 Reference: did not brush teeth 1.00 Sleep hours 0.97 0.266 0.92 − 1.02 Reference: 0 days physically active ≥ 60 1.00 mins (previous seven days) 1-2 days physically active ≥ 60 mins 1.87 0.009 1.17 − 2.99 5-6 days physically active ≥ 60 mins 1.61 0.059 0.98 − 2.63 7 days physically active ≥ 60 mins 1.49 0.117 0.91 − 2.43 Reference: 0 days sedentary ≥ two hours 1.00 0.059 0.98 − 2.63 7 days physically active ≥ 60 mins 1.49 0.117 0.91 − 2.43 Reference: 0 days sedentary ≥ two hours 1.00 0.059 0.98 − 2.63 7 days sedentary ≥ two hours 1.00 0.983 0.66 − 1.54 5-6 days sedentary ≥ two hours 1.01 0.958 0.65 − 1.59 7 days sedentary ≥ two hours 1.10 0.660 0.72 − 1.66 Reference: 0 days felt tired (previous seven days) 1.21 0.125 0.95 − 1.55 3-4 days felt tired 1.21 0.273			0 574	0 94 – 1 03
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5-6 days sedentary ≥ two hours 1.01 0.958 0.65 - 1.59 7 days sedentary ≥ two hours 1.10 0.660 0.72 - 1.66 Reference: 0 days felt tired (previous seven days) 1.00 0.125 0.95 - 1.55 3-4 days felt tired 1.17 0.278 0.88 - 1.55 5-6 days felt tired 1.21 0.273 0.86 - 1.69 7 days felt tired 0.92 0.600 0.69 - 1.24 Reference: 0 days consumed sugary snack 1.00 (previous seven days) 1.24 0.499 0.78 - 1.67 3-4 days consumed sugary snack 1.03 0.873 0.70 - 1.53 5-6 days consumed sugary snack 1.38 0.131 0.91 - 2.11 7 days consumed sugary snack 1.04 0.867 0.69 - 1.56 Number of out of school clubs 1.05 0.007 1.01 - 1.09 participation		1.00	0.983	0.66 - 1.54
7 days sedentary ≥ two hours 1.10 0.660 0.72 - 1.66 Reference: 0 days felt tired (previous seven days) 1.00 0.125 0.95 - 1.55 3-4 days felt tired 1.17 0.278 0.88 - 1.55 5-6 days felt tired 1.21 0.273 0.86 - 1.69 7 days felt tired 0.92 0.600 0.69 - 1.24 Reference: 0 days consumed sugary snack 1.00 (previous seven days) 1-2 days consumed sugary snack 1.14 0.499 0.78 - 1.67 3-4 days consumed sugary snack 1.03 0.873 0.70 - 1.53 5-6 days consumed sugary snack 1.38 0.131 0.91 - 2.11 7 days consumed sugary snack 1.04 0.867 0.69 - 1.56 Number of out of school clubs 1.05 0.007 1.01 - 1.09 participation	•	1.01	0.958	0.65 – 1.59
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5-6 days felt tired 1.21 0.273 0.86 – 1.69 7 days felt tired 0.92 0.600 0.69 – 1.24 Reference: 0 days consumed sugary snack (previous seven days) 1.00 1-2 days consumed sugary snack 1.14 0.499 0.78 – 1.67 3-4 days consumed sugary snack 1.03 0.873 0.70 – 1.53 5-6 days consumed sugary snack 1.38 0.131 0.91 – 2.11 7 days consumed sugary snack 1.04 0.867 0.69 – 1.56 Number of out of school clubs participation 1.05 0.007 1.01 – 1.09	•			
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7 days consumed sugary snack 1.04 0.867 0.69 – 1.56 Number of out of school clubs participation 1.05 0.007 1.01 – 1.09				
Number of out of school clubs 1.05 0.007 $1.01-1.09$ participation				
participation				
·			•	
	Can ride a bike	1.40	0.032	1.03 – 1.92

Reference: cannot ride a bike	1.00			
Can swim 25m	1.16	0.207	0.92 - 1.45	
Reference: cannot swim 25m	1.00			