

Supplementary Material

Appendix 1: Distribution of questionnaire responses by University of Cambridge college

University of Cambridge college	Overall		Cases		Non-cases	
Christ's	169	4.2%	8	8.1%	150	4.1%
Churchill	133	3.3%	2	2.0%	124	3.4%
Clare	108	2.7%	3	3.0%	101	2.8%
Clare Hall	13	0.3%	0	0.0%	13	0.4%
Corpus Christi	99	2.5%	0	0.0%	96	2.7%
Darwin	110	2.8%	1	1.0%	103	2.8%
Downing	127	3.2%	2	2.0%	116	3.2%
Emmanuel	185	4.6%	15	15.2%	160	4.4%
Fitzwilliam	120	3.0%	6	6.1%	104	2.9%
Girton	174	4.4%	7	7.1%	154	4.3%
Gonville & Caius	157	3.9%	1	1.0%	143	4.0%
Homerton	141	3.5%	1	1.0%	131	3.6%
Hughes Hall	114	2.9%	2	2.0%	106	2.9%
Jesus	175	4.4%	4	4.0%	158	4.4%
King's	107	2.7%	1	1.0%	90	2.5%
Lucy Cavendish	80	2.0%	3	3.0%	71	2.0%
Madgelene	94	2.4%	3	3.0%	85	2.4%
Murray Edwards	136	3.4%	13	13.1%	115	3.2%
Newnham	162	4.1%	4	4.0%	147	4.1%
Pembroke	138	3.5%	2	2.0%	124	3.4%
Peterhouse	92	2.3%	0	0.0%	85	2.4%
Queen's	170	4.3%	4	4.0%	152	4.2%
Robinson	77	1.9%	2	2.0%	70	1.9%
Selwyn	120	3.0%	2	2.0%	109	3.0%
Sidney Sussex	87	2.2%	1	1.0%	77	2.1%
St Catharine's	127	3.2%	2	2.0%	114	3.2%
St Edmund's	72	1.8%	0	0.0%	70	1.9%
St John's	183	4.6%	4	4.0%	175	4.8%
Trinity	233	5.9%	2	2.0%	220	6.1%
Trinity Hall	108	2.7%	0	0.0%	98	2.7%
Wolfson	92	2.3%	1	1.0%	91	2.5%
Missing	77	1.9%	3	3.0%	65	1.8%

Appendix 2: Characteristics of responses with incomplete symptom reporting (n=290)

Characteristic	Total	%	
Sex	Male	49	16.9%
	Female	66	22.8%
	Missing	175	60.3%
Ethnicity	White	83	28.6%
	Indian	6	2.07%
	Pakistani	2	0.690%
	Other Asian/Asian British	17	5.86%
	Black	2	0.690%
	Mixed	3	1.03%
	Other	1	0.345%
	Missing	176	60.7%
College	Christ's	6	2.07%
	Churchill	5	1.72%
	Clare	4	1.38%
	Corpus Christi	2	0.69%
	Darwin	1	0.345%
	Downing	3	1.03%
	Emmanuel	5	1.72%
	Fitzwilliam	2	0.690%
	Girton	8	2.76%
	Gonville & Caius	5	1.72%
	Homerton	4	1.38%
	Hughes Hall	3	1.03%
	Jesus	3	1.03%
	King's	2	0.690%
	Lucy Cavendish	3	1.03%
	Magdalene	2	0.690%
	Murray Edwards	6	2.07%
	Newnham	5	1.72%
	Pembroke	5	1.72%
	Queen's	5	1.72%
	Robinson	4	1.38%
	Selwyn	5	1.72%
	Sidney Sussex	2	0.690%
	St Catharine's	2	0.690%
	St Edmund's	2	0.690%
	St John's	3	1.03%
	Trinity	10	3.45%
Trinity Hall	5	1.72%	
Wolfson	2	0.690%	
Missing	176	60.7%	
Course	Undergraduate	90	31.0%
	Postgraduate	25	8.62%
	Missing	175	60.3%

Appendix 3: Full results of univariate analysis

Variable	Category or measure	Cases	Non-cases	OR	95% CI	p-value
Demographics						
Age (years)	Minimum	18	16	Quadratic		0.048
	25 th centile	19	19			
	Median	20	21			
	75 th centile	21	24			
	Maximum	42	50			
Gender	Male	38	1522	1.00	0.62, 1.51 n.e.	0.13
	Female	57	1989	0.97		
	Other	0	41	0.00		
Ethnicity	White	84	2659	1.00	0.24, 2.57 n.e. 0.04, 0.59 0.12, 6.61 0.55, 3.05 0.23, 3.98	0.008
	Indian	3	120	0.79		
	Pakistani	0	21	0.00		
	Other Asian/Asian	2	431	0.14		
	British					
	Black	1	38	0.88		
	Mixed	6	154	1.30		
	Other	2	68	0.94		
Term time accommodation						
Accommodation type	College flat	7	379	1.00	0.59, 3.65 1.02, 5.14 0.20, 2.47 0.09, 1.32	<0.001
	College House	19	653	1.47		
	College staircase/block	65	1594	2.29		
	Private flat	4	303	0.71		
	Private house	3	486	0.33		
Shared kitchen	Yes	95	3124	2.67	0.83, 8.56	0.054
	No	3	286	1.00		
Shared Bathroom	Yes	68	2122	1.24	0.79, 1.96	0.4
	No	30	1280	1.00		
Shared Living Space	Yes	37	1640	0.64	0.41, 0.98	0.04
	No	61	1764	1.00		
Access to outside space	Yes	63	2333	0.71	0.45, 1.11	0.14
	No	35	1072	1.00		
Food shopping habits						
Go to supermarket	Yes	94	3142	2.58	1.04, 6.42	0.02
	No	5	475	1.00		
Click and Collect	Yes	1	85	0.43	0.06, 3.18	0.3
	No	98	3532	1.00		
Supermarket Delivery	Yes	9	524	0.48	0.22, 1.06	0.045
	No	90	3093	1.00		
Deliveroo/takeaway	Yes	13	643	0.64	0.34, 1.22	0.16
	No	86	2974	1.00		

Variable	Category or measure	Cases	Non-cases	OR	95% CI	p-value
Buy food (none of above)	Yes	0	19	0.00	n.e.	0.3
	No	99	3598	1.00		
Buy food other	Yes	0	37	0.00	n.e.	n.e.
	No	99	3580	1.00		
College catering	Yes	1	63	0.68	0.09, 5.00	0.7
	No	98	3554	1.00		
Term time travel						
Walk	Yes	83	2776	1.53	0.88, 2.65	0.11
	No	16	841	1.00		
Cycle	Yes	52	1962	0.98	0.64, 1.48	0.9
	No	47	1655	1.00		
Bus	Yes	3	146	0.79	0.24, 2.57	0.7
	No	96	3471	1.00		
Taxi/Uber	Yes	4	81	1.91	0.67, 5.41	0.3
	No	95	3536	1.00		
Car	Yes	3	185	0.56	0.17, 1.80	0.3
	No	96	3432	1.00		
Other travel	Yes	0	21	0.00	n.e.	0.3
	No	99	3596	1.00		
Teaching						
In-person teaching	Yes	38	1266	1.07	0.70, 1.63	0.8
	No	60	2143	1.00		
Attended lectures	Yes	7	251	0.85	0.36, 1.97	0.7
	No	91	3158	1.00		
Attended practicals	Yes	13	415	0.99	0.53, 1.83	0.97
	No	85	2994	1.00		
Attended supervisions	Yes	22	811	0.95	0.58, 1.55	0.8
	No	76	2598	1.00		
Attended other teaching	Yes	7	121	1.88	0.80, 4.46	0.18
	No	91	3288	1.00		
Labs	Yes	0	14	0.00	n.e.	0.5
	No	99	3603	1.00		
Seminar	Yes	1	12	4.00	0.49, 32.4	0.3
	No	98	3605	1.00		
Medical Student placement	Yes	1	45	0.67	0.09, 5.00	0.7
	No	98	3572	1.00		
Event attendance between Friday 30 October and Wednesday 4 November 2020						
Attended social event	Yes	62	2126	0.97	0.63, 1.50	0.9
	No	35	1266	1.00		
Queueing at social events	Did not attend	35	1247	1.00	0.44, 1.56 1.21, 3.73 0.18, 2.16 0.56, 5.10	0.03
	No queue	14	625	0.83		
	Queue only outside	23	369	2.13		
	Queue only inside	2	124	0.50		
	Queue outside and inside	4	63	1.70		

Variable	Category or measure	Cases	Non-cases	OR	95% CI	p-value
Social distancing at social events	Did not attend All/most of time	35	1247	1.00	0.30, 1.34 0.90, 2.57 0.49, 2.21 0.64, 2.72	0.2
		10	490	0.64		
	Some of time	26	613	1.52		
	Mixture some/none of time	10	284	1.04		
	None of time	10	262	1.31		
Student type	Postgraduate	20	1499	2.73	1.62,	<0.001
	Undergraduate	78	2108	1.00	4.59	
Social setting 1	Yes	8	211	1.63	0.76,	0.24
	No	89	3181	1.00	3.50	
Social setting 2	Yes	6	196	1.04	0.44,	0.9
	No	91	3196	1.00	2.49	
Social setting 3	Yes	7	78	2.73	1.17,	0.04
	No	90	3314	1.00	6.41	
Social setting 4	Yes	30	805	1.35	0.86,	0.20
	No	67	2587	1.00	2.13	
Social setting 5	Yes	19	560	1.08	0.64, 1.85	0.8
	No	78	2832	1.00		
Social setting 6	Yes	0	39	0.00	n.e.	0.15
	No	97	3353	1.00		
Social setting 7	Yes	18	69	13.3	7.21,	<0.001
	No	79	3323	1.00	24.6	
Social setting 8	Yes	3	57	2.11	0.63,	0.3
	No	94	3335	1.00	6.99	
Social setting 9	Yes	1	23	1.89	0.24,	0.6
	No	96	3369	1.00	14.6	
Social setting 10	Yes	0	1	0.00	n.e.	0.8
	No	97	3391	1.00		
Social setting 11	Yes	0	7	0.00	n.e.	0.6
	No	97	3385	1.00		
Social setting 12	Yes	2	25	1.96	0.26,	0.6
	No	95	3367	1.00	15.1	
Social setting 13	Yes	1	41	1.04	0.14,	0.97
	No	96	3351	1.00	7.80	
Social setting 14	Yes	1	20	1.80	0.23,	0.6
	No	96	3372	1.00	14.0	
Social setting 15	Yes	0	0	n.e.	n.e,	n.e.
	No	97	3392	1.00		
Social setting 16	Yes	1	88	0.38	0.05,	0.3
	No	96	3304	1.00	2.79	
Social setting 17	Yes	2	24	3.77	0.83,	0.14
	No	95	3368	1.00	17.1	
Social setting 18	Yes	0	23	0.00	n.e.	0.24
	No	97	3369	1.00		

Variable	Category or measure	Cases	Non-cases	OR	95% CI	p-value
Social setting 19	Yes	2	25	2.95	0.66,	0.21
	No	95	3367	1.00	13.3	
Social setting 20	Yes	1	68	0.66	0.09,	0.7
	No	96	3324	1.00	4.86	
Social setting 21	Yes	2	6	11.2	1.92,	0.02
	No	95	3386	1.00	65.2	
Social setting 22	Yes	6	59	3.86	1.55,	0.01
	No	91	3333	1.00	9.59	
Social setting 23	Yes	3	14	9.45	2.48,	0.007
	No	94	3378	1.00	35.9	
Social setting 24	Yes	0	23	0.00	n.e.	0.22
	No	97	3369	1.00		
Social setting 25	Yes	1	13	2.44	0.30,	0.5
	No	96	3379	1.00	19.9	
Social setting 26	Yes	1	54	0.66	0.08,	0.7
	No	96	3338	1.00	4.88	
Social setting 27	Yes	0	19	0.00	n.e.	0.4
	No	97	3373	1.00		
Social setting 28	Yes	2	37	1.96	0.45,	0.4
	No	95	3355	1.00	8.48	
Social setting 29	Yes	3	99	1.13	0.34,	0.8
	No	94	3293	1.00	3.70	
Social setting 30	Yes	5	47	4.04	1.50,	0.02
	No	92	3345	1.00	10.9	
Social setting 31	Yes	0	27	0.00	n.e.	0.2
	No	97	3365	1.00		
Social setting 32	Yes	14	395	1.19	0.65,	0.6
	No	83	2997	1.00	2.18	
Social setting 33	Yes	22	633	1.26	0.76,	0.4
	No	75	2759	1.00	2.07	
Social setting 34	Yes	3	359	0.27	0.09,	0.007
	No	94	3033	1.00	0.88	
Social setting 35	Yes	0	104	0.00	n.e.	n.e.
	No	99	3513	1.00		

Appendix 4: Queuing and social distancing at social settings of interest.

Venue	Characteristic		Overall		Cases		Non-cases	
Social setting 7	Queueing at social events	Queueing only outside	63	1.6%	16	16.2%	47	1.3%
		Queueing only inside	1	0.0%	0	0.0%	1	0.0%
		No queueing	4	0.1%	0	0.0%	4	0.1%
		Unknown queueing	19	0.5%	2	2.0%	17	0.5%
		Did not attend	3410	85.7%	79	79.8%	3323	91.9%
		Did not respond	483	12.1%	2	2.0%	225	6.2%
	Social distancing at events	All/most of time	33	0.8%	7	7.1%	26	0.7%
		Some of time	38	1.0%	9	9.1%	29	0.8%
		Mixture some/none of time	1	0.0%	0	0.0%	1	0.0%
		None of time	7	0.2%	2	2.0%	5	0.1%
		Unknown social distancing	8	0.2%	0	0.0%	8	0.2%
		Did not attend	3410	85.7%	79	79.8%	3323	91.9%
		Did not respond	483	12.1%	2	2.0%	225	6.2%
Social setting 23	Queueing at social events	Queueing only outside	0	0.0%	0	0.0%	0	0.0%
		Queueing only inside	5	0.1%	1	1.0%	4	0.1%
		No queueing	8	0.2%	2	2.0%	6	0.2%
		Unknown queueing	4	0.1%	0	0.0%	4	0.1%
		Did not attend	3480	87.4%	94	94.9%	3378	93.4%
		Did not respond	483	12.1%	2	2.0%	225	6.2%
	Social distancing at events	All/most of time	8	0.2%	1	1.0%	7	0.2%
		Some of time	5	0.1%	2	2.0%	3	0.1%
		Mixture some/none of time	0	0.0%	0	0.0%	0	0.0%
		None of time	0	0.0%	0	0.0%	0	0.0%
		Unknown social distancing	4	0.1%	0	0.0%	4	0.1%
		Did not attend	3480	87.4%	94	94.9%	3378	93.4%
		Did not respond	483	12.1%	2	2.0%	225	6.2%