

Supplementary information to “Dynamics of non-household contacts during the COVID-19 pandemic in 2020 and 2021 in the Netherlands”

year	round	0-11	12-17	18-24	25-34	35-44	45-54	55-64	65+	total
2020	target	0	0	162	235	225	277	249	352	1500
2020	1	0	0	88	227	236	308	277	386	1522
2020	2	0	0	43	176	211	277	255	351	1313
2020	3	0	0	31	145	168	246	237	316	1143
2020	4	0	0	30	134	153	223	212	268	1020
2020	5	0	0	35	131	174	247	231	306	1124
2020	6	0	0	21	137	174	233	228	318	1111
2020	7	0	0	20	103	140	215	195	279	952
2020	8	0	0	22	104	142	214	203	284	969
2021	target	150	150	248	206	163	184	161	238	1500
2021	1	137	145	239	202	158	180	158	232	1451
2021	2	126	126	139	175	136	177	176	257	1312
2021	3	107	115	174	175	136	149	128	187	1171
2021	4	99	104	112	157	110	125	142	213	1062
2021	5	81	95	94	127	89	132	127	197	942
2021	6	87	75	110	151	126	118	95	92	854
2021	7	73	67	64	126	85	93	115	143	766
2021	8	68	76	80	133	102	123	78	103	763
2021	9	49	67	78	117	94	86	61	64	616
2021	10	40	65	65	104	89	96	71	31	561
2021	11	116	154	195	205	160	198	167	260	1455
2021	12	107	133	178	194	155	160	142	208	1277
2021	13	96	115	124	163	121	154	152	233	1158
2021	14	84	98	85	143	117	134	140	228	1029
2021	15	77	86	84	135	117	123	113	188	923
2021	16	71	74	50	117	98	117	112	192	831
2021	17	59	82	48	115	103	130	119	106	762
2021	18	55	69	41	90	65	72	105	181	678
2021	19	64	56	43	90	79	73	70	201	676
2021	20	47	81	41	86	84	100	87	160	686

Table S1. Number of participants per survey round of study series in 2020 and 2021 in eight age groups. The target number of participants was to be achieved in round 1 in 2020, and in rounds 1 and 11 in 2021.

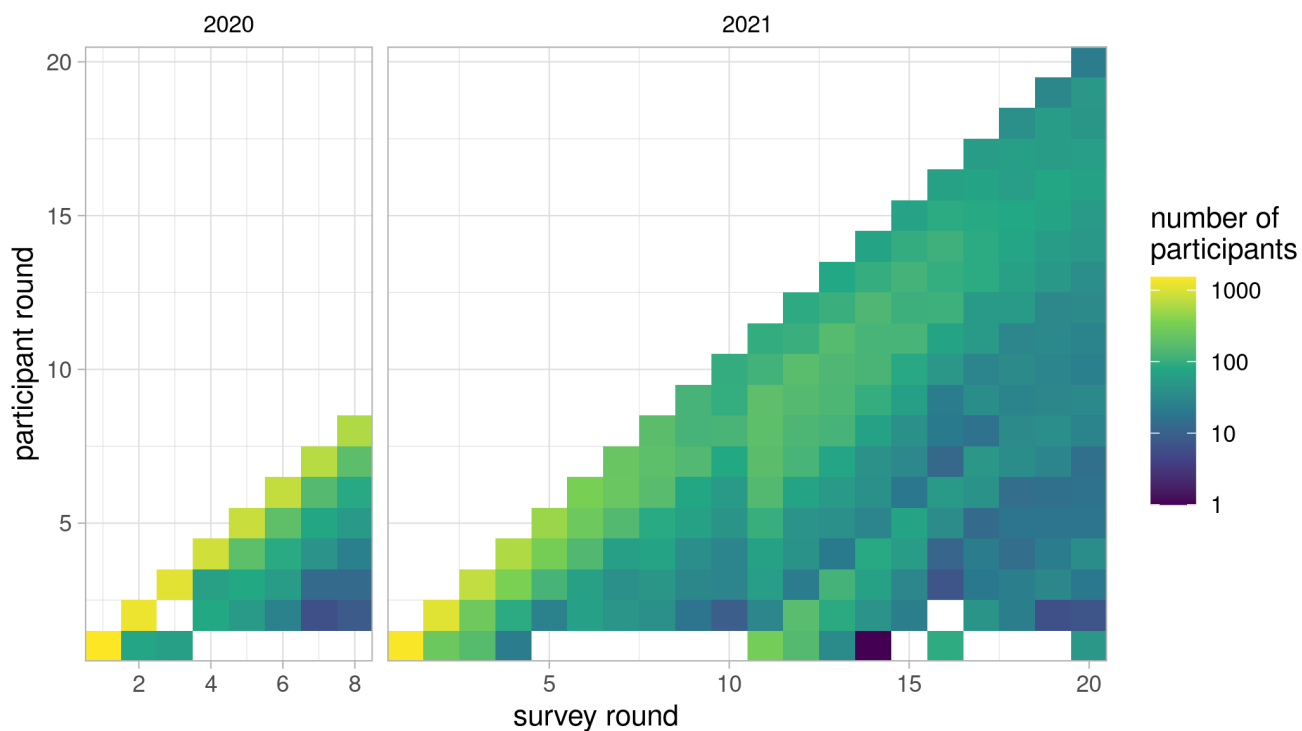


Figure S1. Number of participants by survey round and participant round (i.e. the n^{th} time a participant participated). Series 2020 (left) consisted of 8 rounds, series 2021 (right) consisted of 20 rounds. Most participants participated for the first time the start of the series, but some also started during the study period. The panel was supplemented to the target population in round 11 of series 2021.

series	age_group	Variable	Estimate	Std. Error	t value	p-value	
2020	18-64	(Intercept)	-0.23	0.06	-3.85	< 0.001	***
2020	18-64	part_vaccTRUE	0.00	0.00			
2020	18-64	part_elevated_riskTRUE	-0.03	0.08	-0.40	0.69	
2020	18-64	weekendTRUE	-0.21	0.06	-3.67	< 0.001	***
2020	18-64	holidayTRUE	0.07	0.10	0.72	0.47	
2020	18-64	Deviance explained	0.16				
2020	65+	(Intercept)	0.03	0.13	0.27	0.79	
2020	65+	part_vaccTRUE	0.00	0.00			
2020	65+	part_elevated_riskTRUE	0.25	0.12	2.05	0.04	*
2020	65+	weekendTRUE	-0.32	0.08	-3.89	< 0.001	***
2020	65+	holidayTRUE	-0.08	0.11	-0.70	0.48	
2020	65+	Deviance explained	0.14				
2021	0-17	(Intercept)	-0.81	0.08	-9.91	< 0.001	***
2021	0-17	part_vaccTRUE	0.12	0.19	0.64	0.52	
2021	0-17	part_elevated_riskTRUE	-0.15	0.27	-0.56	0.57	
2021	0-17	weekendTRUE	-0.67	0.08	-8.35	< 0.001	***
2021	0-17	holidayTRUE	-0.20	0.10	-2.04	0.04	*
2021	0-17	Deviance explained	0.17				
2021	18-64	(Intercept)	-0.92	0.06	-16.00	< 0.001	***
2021	18-64	part_vaccTRUE	0.09	0.07	1.31	0.19	
2021	18-64	part_elevated_riskTRUE	-0.13	0.08	-1.72	0.08	.
2021	18-64	weekendTRUE	-0.27	0.05	-5.88	< 0.001	***
2021	18-64	holidayTRUE	0.06	0.06	0.94	0.35	
2021	18-64	Deviance explained	0.19				
2021	65+	(Intercept)	-0.82	0.15	-5.51	< 0.001	***
2021	65+	part_vaccTRUE	0.08	0.19	0.40	0.69	
2021	65+	part_elevated_riskTRUE	-0.10	0.11	-0.89	0.37	
2021	65+	weekendTRUE	-0.44	0.08	-5.65	< 0.001	***
2021	65+	holidayTRUE	0.04	0.10	0.42	0.68	
2021	65+	Deviance explained	0.16				

Table S2. Results for fixed effects of generalised additive model, by series (2020, 2021) and age group (0-17, 16-64, 65+). Included fixed effects are participant vaccination status (part_vacc), participant risk status (part_elevated_risk), weekend and holiday. Holidays include general holidays and school holidays. The last row of each section refers to the explained deviance. Significance levels: *** (p-value < 0.001), ** (p-value < 0.01), * (p-value < 0.05), . (p-value < 0.1)

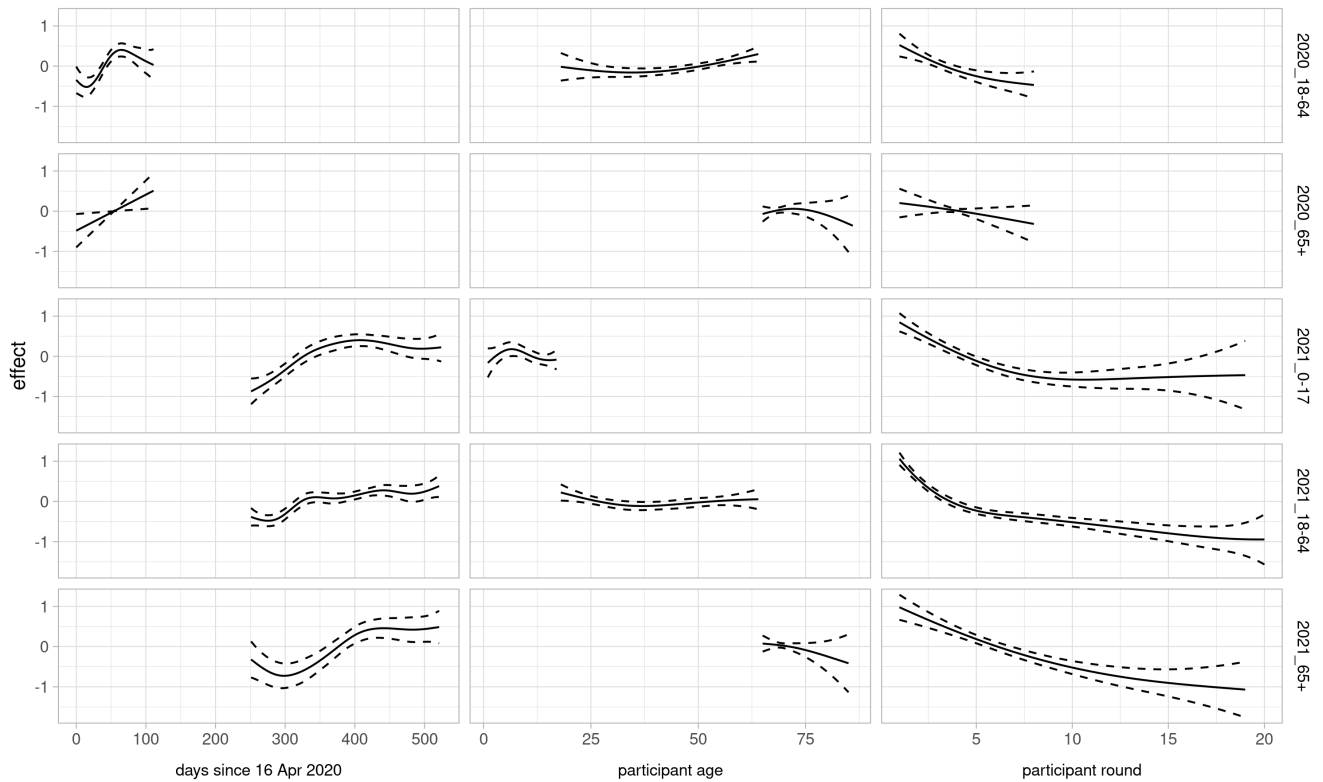


Figure S2. Results for non-stationary fixed effects of generalised additive model, by series (2020, 2021) and age group (0-17, 16-64, 65+). Calendar time (expressed as days since first survey), participant age, and participant round (i.e. the n^{th} time a participant participated) are included as cubic splines. Shown are the fitted splines (solid lines) \pm the standard error (dashed lines).