

PICO2 Socio-demo frequencies by serostatus*Among participant from the Ned-sample*

		Seronegative	Seropositive	Total
Sex				
Men		2923	119	3042
		96.09	3.91	
Women		3615	156	3771
		95.86	4.14	
Age categories				
01-04		220	0	220
		100	0	
05-12		478	4	482
		99.17	0.83	
13-17		307	11	318
		96.54	3.46	
18-24		376	32	408
		92.16	7.84	
25-34		728	39	767
		94.92	5.08	
35-44		829	27	856
		96.85	3.15	
45-54		964	41	1005
		95.92	4.08	
55-64		1078	57	1135
		94.98	5.02	
65-74		1080	47	1127
		95.83	4.17	
75-90		478	17	495
		96.57	3.43	
Region				
North		1330	27	1357
		98.01	1.99	
Mid-West		1168	43	1211
		96.45	3.55	
Mid-East		1411	58	1469
		96.05	3.95	
South-West		1216	32	1248
		97.44	2.56	
South-East		1413	115	1528
		92.47	7.53	
Ethnic background				
Dutch		5745	251	5996
		95.81	4.19	
Non-Dutch Western		497	15	512
		97.07	2.93	
Non-Western		296	9	305
		97.05	2.95	
Educational level				
High		3096	106	3202
		96.69	3.31	

	Middle	2012	107	2119
		94.95	5.05	
	Low	1201	52	1253
		95.85	4.15	
<i>Frequency Missing = 239</i>				
Religion				
	None	3508	120	3628
		96.69	3.31	
	Roman Catholic	1432	105	1537
		93.17	6.83	
	Other	263	9	272
		96.69	3.31	
	Protestant	1008	28	1036
		97.3	2.7	
	other Protestant	935	25	960
		97.4	2.6	
	Orthodox Reformed Protestants	73	3	76
		96.05	3.95	
<i>Frequency Missing = 340</i>				
Household size				
	1	681	18	699
		97.42	2.58	
	2	2450	116	2566
		95.48	4.52	
	3 or more	3261	134	3395
		96.05	3.95	
<i>Frequency Missing = 153</i>				

Volgende pagina verwijderd i.v.m. blanco.

-> Note: in total sample (including LVC) Orthodox-Ref
Protestants seropositives: 11/166=6.6%

PICO2 potential risk factor frequencies by serostatus*Among all participants with a lab sample and questionnaire data (as input for risk factors)*

	Seronegative	Seropositive	Total
Contactberoep/vrijwilligerswerk (deelnemers vanaf 15y)			
Yes	2197	136	2333
	94.17	5.83	
No	3729	150	3879
	96.13	3.87	
<i>Frequency Missing = 207</i>			
Contactberoep met patienten (deelnemers vanaf 15y)			
Yes	505	36	541
	93.35	6.65	
No	5440	250	5690
	95.61	4.39	
<i>Frequency Missing = 188</i>			
Contactberoep met cliënten (deelnemers vanaf 15y)			
Yes	1365	87	1452
	94.01	5.99	
No	4580	199	4779
	95.84	4.16	
<i>Frequency Missing = 188</i>			
Contactberoep met kinderen/leerlingen (deelnemers vanaf 15y)			
Yes	747	44	791
	94.44	5.56	
No	5198	242	5440
	95.55	4.45	
<i>Frequency Missing = 188</i>			
Contact profession (for children one of the parents)			
Yes	2746	141	2887
	95.12	4.88	
No	4027	152	4179
	96.36	3.64	
<i>Frequency Missing = 245</i>			
Healthcare worker (for children one of the parents)			
Yes	1041	58	1099
	94.72	5.28	
No	5724	234	5958
	96.07	3.93	
<i>Frequency Missing = 254</i>			
Horeca worker (for children one of the parents)			
Yes	139	9	148
	93.92	6.08	
No	6650	285	6935
	95.89	4.11	
<i>Frequency Missing = 228</i>			
Lung disease			

Yes	878	39	917
	95.75	4.25	
No	5951	256	6207
	95.88	4.12	

Frequency Missing = 187

Diabetes

Yes	263	11	274
	95.99	4.01	
No	6566	284	6850
	95.85	4.15	

Frequency Missing = 187

Cancer

Yes	355	22	377
	94.16	5.84	
No	6474	273	6747
	95.95	4.05	

Frequency Missing = 187

Immune disorder

Yes	124	3	127
	97.64	2.36	
No	6705	292	6997
	95.83	4.17	

Frequency Missing = 187

Cardio-vascular disease

Yes	1018	46	1064
	95.68	4.32	
No	5811	249	6060
	95.89	4.11	

Frequency Missing = 187

Comorbidities combined (diabetes, cancer, immune disorder, cardio-vascular, lung disease, kidney disease)

Yes	2085	98	2183
	95.51	4.49	
No	4744	197	4941
	96.01	3.99	

Frequency Missing = 187

Took antimicrobial/antiviral medication, last month

Yes	326	25	351
	92.88	7.12	
No	6470	268	6738
	96.02	3.98	

Frequency Missing = 222

Took immunosuppressants, last month

Yes	117	6	123
	95.12	4.88	
No	6679	287	6966
	95.88	4.12	

Frequency Missing = 222

Took blood pressure medication, last month			
Yes	934	41	975
	95.79	4.21	
No	5862	252	6114
	95.88	4.12	
<i>Frequency Missing = 222</i>			
Working from home (last week) (or parent in case of child)			
Yes, fully/partly	2471	79	2550
	96.9	3.1	
No	2048	111	2159
	94.86	5.14	
No work	2183	99	2282
	95.66	4.34	
<i>Frequency Missing = 320</i>			
No. of contacts yesterday within 1.5m and/or proportion with children			
no contacts	1436	46	1482
	96.9	3.1	
0, but contacts at >1.5m	1055	38	1093
	96.52	3.48	
1-2	1546	74	1620
	95.43	4.57	
3-5	1112	57	1169
	95.12	4.88	
>=6, of which:			
>50% <10y	419	5	424
	98.82	1.18	
25-50% <10y	157	8	165
	95.15	4.85	
<25% <10y	1037	63	1100
	94.27	5.73	
<i>Frequency Missing = 258</i>			
Joined a meeting with >20 people, nr of meetings			
0	5059	197	5256
	96.25	3.75	
1-2	1000	51	1051
	95.15	4.85	
>=3	710	45	755
	94.04	5.96	
<i>Frequency Missing = 249</i>			
Visited an elderly home, nr of visits			
0	6195	246	6441
	96.18	3.82	
1-5	380	23	403
	94.29	5.71	
Every other week (>=6)	117	12	129
	90.7	9.3	
Elderly home worker	73	11	84
	86.9	13.1	
<i>Frequency Missing = 254</i>			
Went on holiday in spring			
No	5959	258	6217

	95.85	4.15	
Wintersport destinations in EU (Austria, France, Switzerland, Italy, Germany)	506	23	529
	95.65	4.35	
Spain	57	7	64
	89.06	10.94	
Other countries	234	3	237
	98.73	1.27	
<i>Frequency Missing = 264</i>			
Smoking (for children in-house smoking of parent(s))			
Yes, currently	708	18	726
	97.52	2.48	
Yes, in the past	2280	117	2397
	95.12	4.88	
No, never smoked (in the house)	3782	157	3939
	96.01	3.99	
<i>Frequency Missing = 249</i>			
Body Mass Index, in categories			
Underweight	234	0	234
	100	0	
Normal weight	3468	153	3621
	95.77	4.23	
Overweight	2167	98	2265
	95.67	4.33	
Obese	891	40	931
	95.7	4.3	
<i>Frequency Missing = 260</i>			
BCG vaccination (ever)			
Yes	1383	60	1443
	95.84	4.16	
No	3420	128	3548
	96.39	3.61	
Don't know	1918	94	2012
	95.33	4.67	
<i>Frequency Missing = 308</i>			
Contact with corona confirmed case			
Yes	604	70	674
	89.61	10.39	
No	4234	90	4324
	97.92	2.08	
Don't know	1911	85	1996
	95.74	4.26	
<i>Frequency Missing = 253</i>			

PICO2 Symptoms by serostatus*Among all seronegatives (n=6782) and those who became seropositive in PICO2 (n=246)*

	Seronegative	Seropositive	Total
Developed symptoms			
Yes	3362 49.57	186 75.61	3548
No	3420 50.43	60 24.39	3480

*Frequency Missing = 219***Median time of symptoms among seropositives was 11 days (IQR: 7-20)**

Meets COVID-19 case definition			
Yes	1642 24.21	149 60.57	1791
No	5140 75.79	97 39.43	5237

Frequency Missing = 219

Went to GP due to symptoms			
Yes	562 16.77	71 38.38	633
No	2790 83.23	114 61.62	2904

Frequency Missing = 3710

Was hospitalized due to symptoms			
Yes	27 0.81	4 2.15	31
No	3325 99.19	182 97.85	3507

Frequency Missing = 3709

Did a corona labtest			
Yes	218 3.23	35 14.34	253
No	6533 96.77	209 85.66	6742

Frequency Missing = 252

Result of corona labtest			
Positive	5 2.29	29 82.86	34
Negative	168 77.06	6 17.14	174
Unknown	45 20.64	0 0	45

*Frequency Missing = 6994***Corona contact in what setting**

Home	109	20	129
	18.05	28.99	
Other family	84	10	94
	13.91	14.49	
Healthcare	101	13	114
	16.72	18.84	
School	12	0	12
	1.99	0	
Traveler	2	0	2
	0.33	0	
Abroad	0	3	3
	0	4.35	
Leisure/sports	35	2	37
	5.79	2.9	
Work	88	7	95
	14.57	10.14	
Other setting	173	14	187
	28.64	20.29	
Total	604	69	673

Frequency Missing = 6574

General symptoms

Yes	3362	186	3548
	49.57	75.61	
No	3420	60	3480
	50.43	24.39	

Frequency Missing = 219

Fever

Yes	453	95	548
	6.68	38.62	
No	6329	151	6480
	93.32	61.38	

Frequency Missing = 219

General malaise

Yes	417	68	485
	6.15	27.64	
No	6365	178	6543
	93.85	72.36	

Frequency Missing = 219

Headache

Yes	1583	102	1685
	23.34	41.46	
No	5199	144	5343
	76.66	58.54	

Frequency Missing = 219

Irritable/confused

Yes	195	18	213
	2.88	7.32	
No	6587	228	6815
	97.12	92.68	

Frequency Missing = 219

Muscle ache

Yes	643	69	712
	9.48	28.05	
No	6139	177	6316
	90.52	71.95	

Frequency Missing = 219

Arthralgia

Yes	395	26	421
	5.82	10.57	
No	6387	220	6607
	94.18	89.43	

Frequency Missing = 219

Anosmia and/or ageusia

Yes	138	69	207
	2.03	28.05	
No	6644	177	6821
	97.97	71.95	

Frequency Missing = 219

Ophthalmalgia

Yes	213	21	234
	3.14	8.54	
No	6569	225	6794
	96.86	91.46	

Frequency Missing = 219

Red/purple discolorations on extremities

Yes	35	0	35
	0.52	0	
No	6747	246	6993
	99.48	100	

Frequency Missing = 219

Extreme tiredness

Yes	457	67	524
	6.74	27.24	
No	6325	179	6504
	93.26	72.76	

Frequency Missing = 219

Respiratory symptoms

Yes	2574	148	2722
	37.95	60.16	
No	4208	98	4306
	62.05	39.84	

Frequency Missing = 219

Cough

Yes	1219	109	1328
	17.97	44.31	

	No	5563 82.03	137 55.69	5700
<i>Frequency Missing = 219</i>				
Sore throat				
	Yes	1161 17.12	58 23.58	1219
	No	5621 82.88	188 76.42	5809
<i>Frequency Missing = 219</i>				
Runny nose				
	Yes	1596 23.53	79 32.11	1675
	No	5186 76.47	167 67.89	5353
<i>Frequency Missing = 219</i>				
Solely a runny nose & hay fever				
	Yes	65 0.96	1 0.41	66
	No	6731 99.04	244 99.59	6975
<i>Frequency Missing = 206</i>				
Dyspnea				
	Yes	506 7.46	56 22.76	562
	No	6276 92.54	190 77.24	6466
<i>Frequency Missing = 219</i>				
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Gastrointestinal symptoms				
	Yes	1027 15.14	68 27.64	1095
	No	5755 84.86	178 72.36	5933
<i>Frequency Missing = 219</i>				
Diarrhea				
	Yes	590 8.7	40 16.26	630
	No	6192 91.3	206 83.74	6398
<i>Frequency Missing = 219</i>				
Nausea/vomiting				
	Yes	316 4.66	33 13.41	349
	No	6466 95.34	213 86.59	6679
<i>Frequency Missing = 219</i>				
Stomach ache				

Yes	529	32	561
	7.8	13.01	
No	6253	214	6467
	92.2	86.99	

Frequency Missing = 219

From PICO1 manuscript

Table2. COVID-19-related symptoms since the start of the epidemic among all participants in the PICO-study reporting symptoms (n=3147), first round of inclusion

	SARS-CoV-2 seronegative		SARS-CoV-2 seropositive		Total
	n=3073		n=74		n=3147
	n	%	n	%	n
Meets COVID-19 case definition					
Yes	1096	35.7	55	74.3	1151
No	1977	64.3	14	25.7	1996
Meets COVID-19 case definition, and self-reported to have had anosmia and/or ageusia					
Yes	1113	36.2	59	79.7	1172
No	1960	63.8	15	20.3	1975
Developed symptoms since the start of the epidemic					
Yes	1903	61.9	69	93.2	1972
No	1170	38.1	5	6.8	1175
General symptoms (one or more)	1350	43.9	62	83.8	1412
Fever	361	11.8	32	43.2	393
General malaise	332	10.8	34	46	366
Headache	1001	32.6	48	64.9	1049
Irritable/confused	232	7.6	17	23	249
Muscle ache	312	10.5	22	29.7	334
Arthralgia	497	16.2	42	56.8	539
Anosmia and/or ageusia	111	3.6	39	52.7	150
Respiratory symptoms (one or more)	1622	52.8	64	86.5	1686
Cough	905	29.5	45	60.8	950
Sore throat	798	26	33	44.6	831
Runny nose	1128	36.7	45	60.8	1173
Solely a runny nose & hay fever	22	0.7	1	1.4	23
Dyspnea	251	8.2	13	17.6	264
Gastrointestinal symptoms (one or more)	668	21.7	32	43.2	700
Diarrhea	388	12.6	18	24.3	406
Nausea/vomiting	207	6.7	13	17.6	220
Stomach ache	364	11.9	13	17.6	377

Missing values for all symptoms: 60.

^a P values were calculated with Pearson's Chi-Square Test, unless depicted otherwise.

^b P value was calculated with Fisher's Exact Test.

the PICO-study reporting

Total	P value ^a
n=3147	
%	
	<0.0001
36.6	
63.4	<0.0001
37.2	
62.8	<0.0001
62.7	
37.3	
44.9	<0.0001
12.5	<0.0001
11.6	<0.0001
33.3	<0.0001
7.9	<0.0001
10.6	<0.0001
17.1	<0.0001
4.8	<0.0001
53.6	<0.0001
30.2	<0.0001
26.4	0.0003
37.3	<0.0001
0.7	0.42 ^b
8.4	0.004
22.2	<0.0001
12.9	0.003
7	0.0003
12	0.13