

THE LANCET

Supplementary appendix

This appendix formed part of the original submission. We post it as supplied by the authors.

Supplement to: Sayampanathan AA, Heng CS, Phua HP, Pang J, Teoh YL, Lee VJ. Infectivity of asymptomatic versus symptomatic COVID-19. *Lancet* 2020; published online Dec 18. [http://dx.doi.org/10.1016/S0140-6736\(20\)32651-9](http://dx.doi.org/10.1016/S0140-6736(20)32651-9).

Serology and Symptom Status of Index	No. of index cases (% of index cases)	No. of quarantined community contacts	No. and proportion of quarantined community contacts identified as COVID-19 cases (%)
(1) Seronegative	232 (36.9)	1387	43 (3.10)
Asymptomatic	196 (31.2)	836	14 (1.67)
Symptomatic	36 (5.7)	551	29 (5.26)
(2) Seropositive	396 (63.1)	2403	46 (1.91)
Asymptomatic	380 (60.5)	2199	36 (1.64)
Symptomatic	16 (2.6)	204	10 (4.90)
Total	628	3790	89 (2.35)

Table 1: Breakdown of index cases of people infected with COVID-19 and quarantined people in the community based on symptom and serology status of index COVID-19 cases

Variables of Index Case (628)		IRR	95% CI	p-value
Symptom Status*	Asymptomatic	1	-	-
	Symptomatic	4.22	2.32-7.66	<0.0001
Serology Status**	Seronegative	1	-	-
	Seropositive	1.08	0.62-1.88	0.80
Further adjusting for gender and age group of index case				
Variables of Index Case		IRR	95% CI	p-value
Symptom Status*	Asymptomatic	1	-	-
	Symptomatic	3.85	2.06-7.19	<0.0001
Serology Status**	Seronegative	1	-	-
	Seropositive	0.93	0.52-1.65	0.79

Table 2: Negative binomial regression of people who are quarantined contacts who became infected, based on symptomatic and serology status of index cases. *Symptom status analysis was adjusted for serology of people who were index cases. **Serology status analysis was adjusted for symptom status of people who were index cases.