

Supplementary File for: An imperfect tool:
contact tracing could provide valuable
reductions in COVID-19 transmission if good
adherence can be achieved and maintained.

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1 Transmission parameter distributions

2 The generation interval is the time difference between a case being infected
 3 and that case infecting others, whereas the serial interval is the time differ-
 4 ence between the onset of symptoms in the primary case and the secondary
 5 case. As such, the generation interval is, by definition positive, whereas the
 6 serial interval can be negative in cases where transmission occurred during
 7 the primary case's pre-symptomatic period. Figure S1 shows the fitted distri-
 8 butions for the incubation period, transmission density profile, serial interval
 9 and generation interval used in the model.

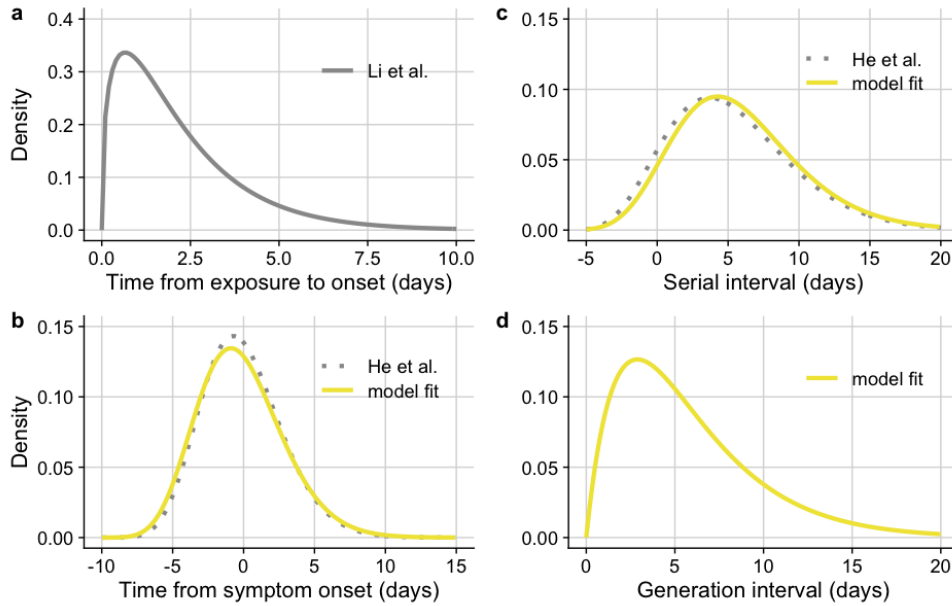


Figure S1: **Transmission parameter distributions.** Distributions for a) incubation period (exposure time to symptom onset) from Li et al. [1]; b) transmission profile relative to symptom onset, fitted to data and compared to He et al. [2]; c) serial interval, fitted and compared to He et al. [2]; and d) generation interval, combined distribution from a) and b) with re-sampling to prevent negative serial intervals, as described in the main text.

CMMID working group authorship list

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