Figure S1. Flow chart of identified, excluded and included records as of 10 June 2020

- Living evidence database
  Records identified through database searches (1st /2nd /3rd search)
  bioRxiv/medRxiv=843/1090/2691,
  EMBASE=269/465/2309,
  PubMed=1154/3736/12981
  Total n=2266/5291/17981=25538

- Records screened
  (1st /2nd /3rd search)
  BioRxiv/medRxiv=38/100/222,
  EMBASE=13/13/73,
  PubMed=35/117/392, expert 3/0/1
  n=89/230/688

- Full-text articles assessed for eligibility
  n=553

- Studies included
  n=102

- Studies included in qualitative synthesis
  n=94

- Included in question 1
  n=80
  Displayed in forest plot for question 1, n=79

- Included in question 2
  n=31
  Displayed in forest plot for question 2, n=31

- Included in question 3
  n=13
  Mathematical modelling studies, n=8
  Secondary attack rate data, n=5

- Records excluded, not found in search for asymptomatic/pre-symptomatic SARS-CoV-2
  (1st /2nd /3rd search)
  n=2177/5061/17293

- Records excluded after review of title and abstract
  n=454

- Records excluded after screening total=451
  Study design inappropriate=142
  Aim of mathematical model not in scope=130
  No original data=49
  Insufficient data=43
  Inadequate follow-up=33
  Other=32
  Not about SARS-CoV-2=9
  Pre-print of published article=8
  Duplicate record=3
  Diagnosis not with RT-PCR=2

- Records excluded, part of all of study population included in another report, n=8

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* Numbers of new records at each search: 1st search, 25.03.2020; 2nd search, 20.04.2020; 3rd search, 10.06.2020
* Duplicate records are identical articles in different databases, found after automated de-duplication
* 11 studies were included in the first review and 37 studies were included in the first update
* Study by Mizumoto et al. in qualitative synthesis but not included in forest plot