

The impact of social distance measures on epidemiologically relevant contacts: the CoMix study

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Working Group

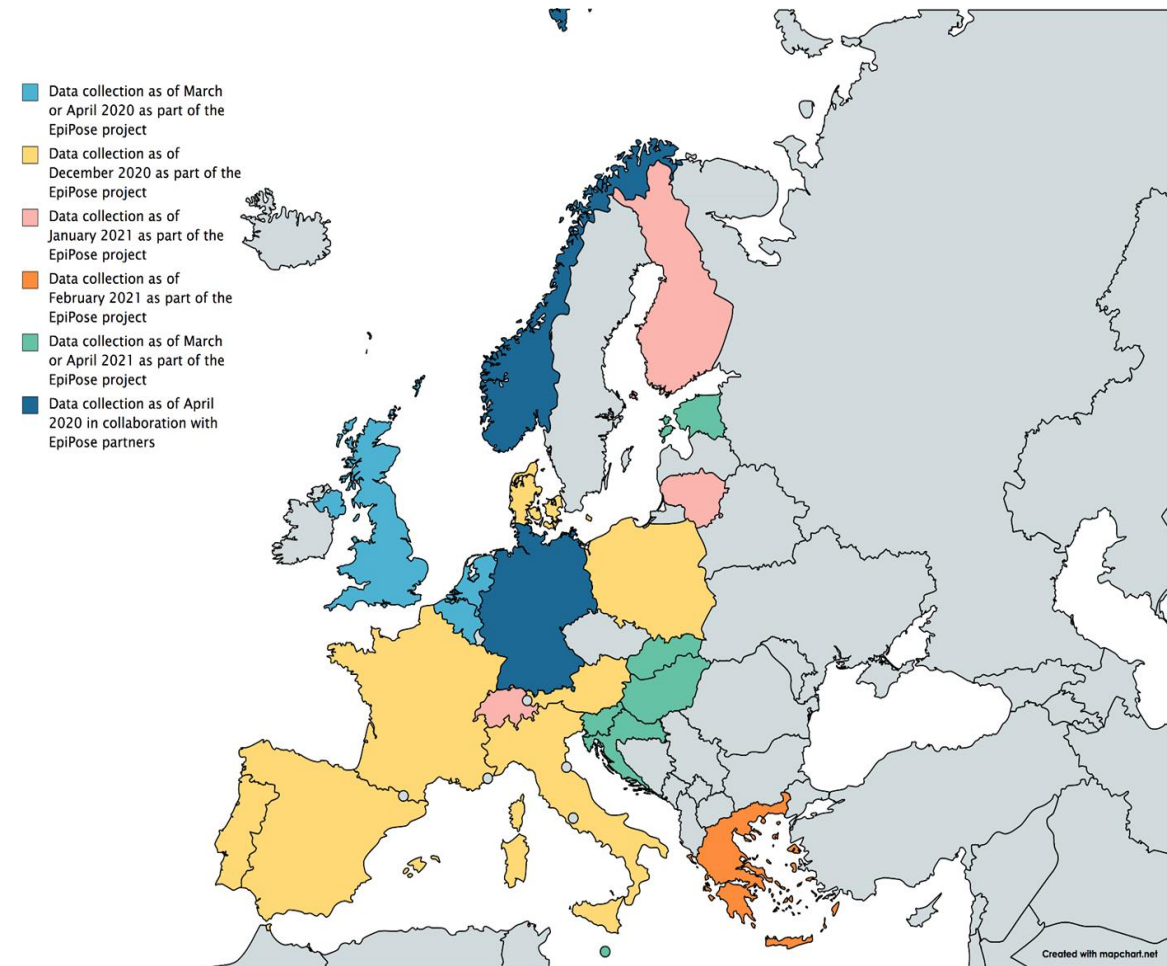
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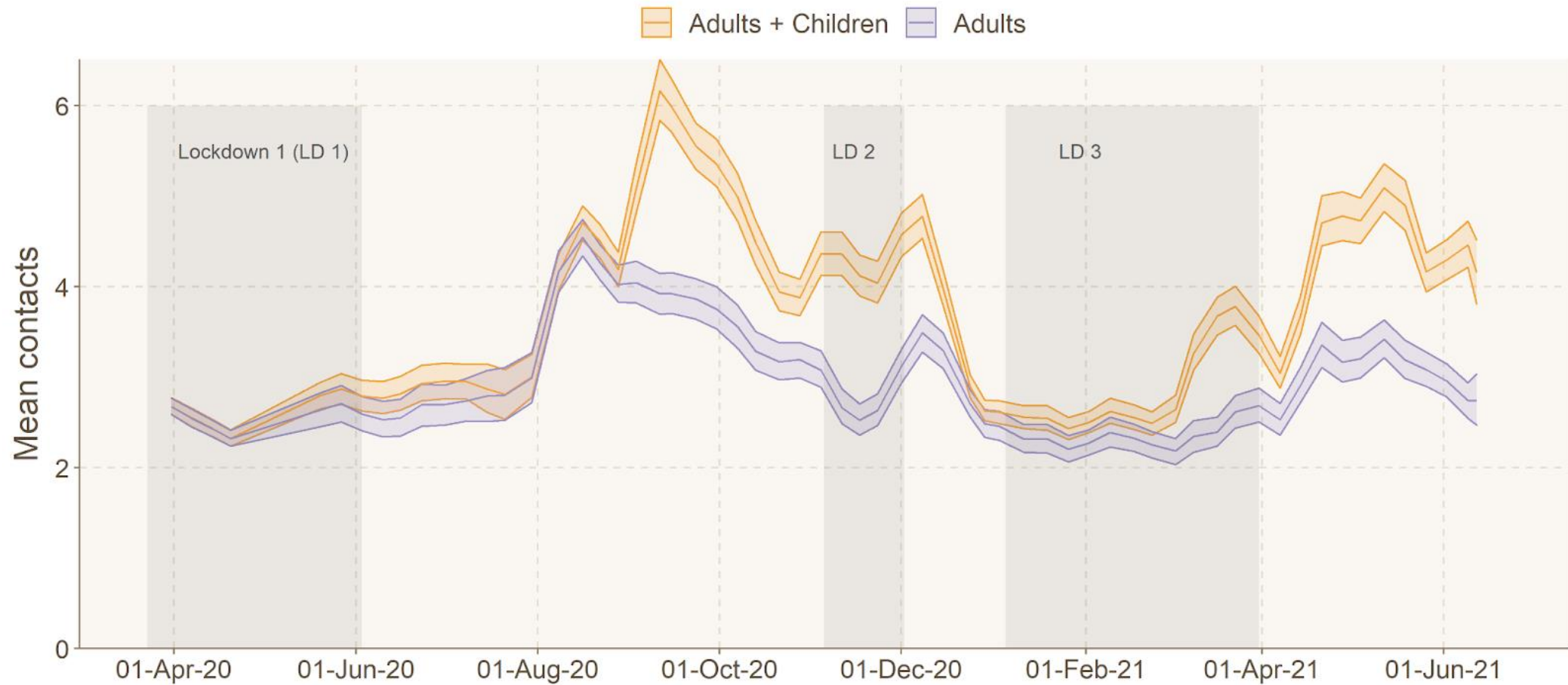


CoMix survey

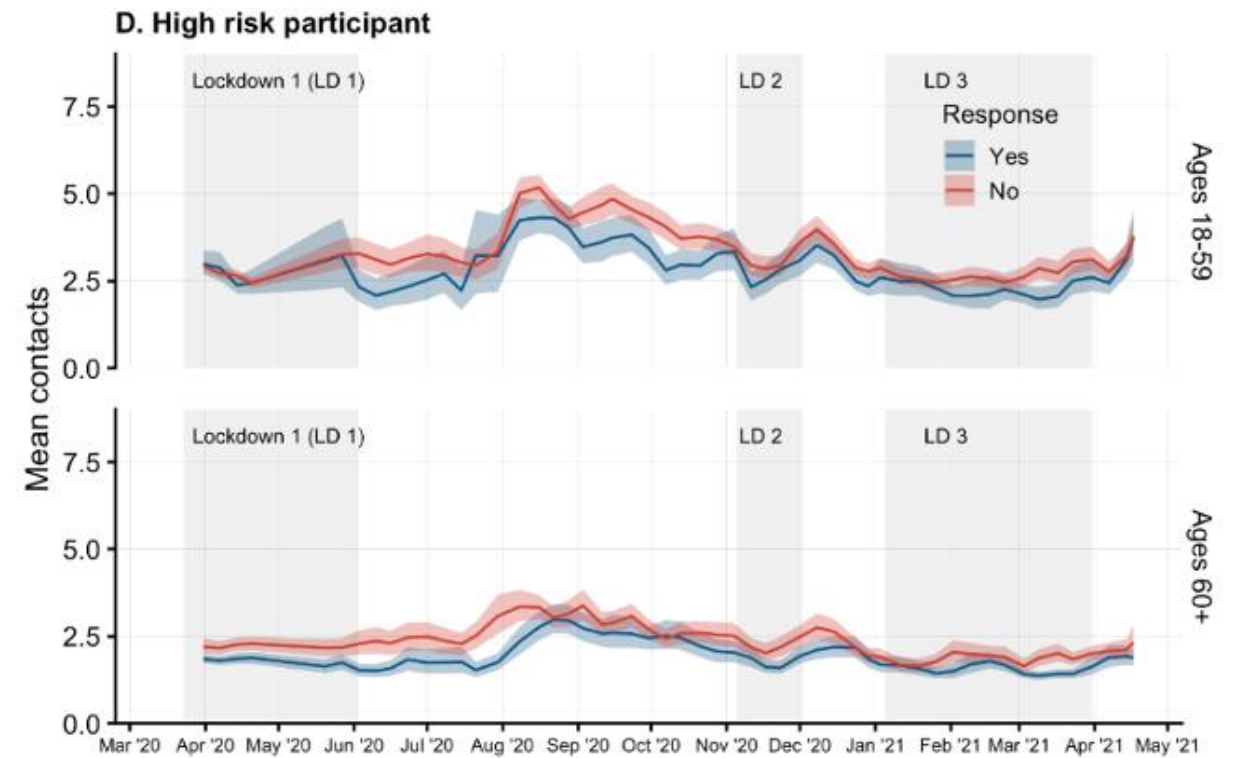
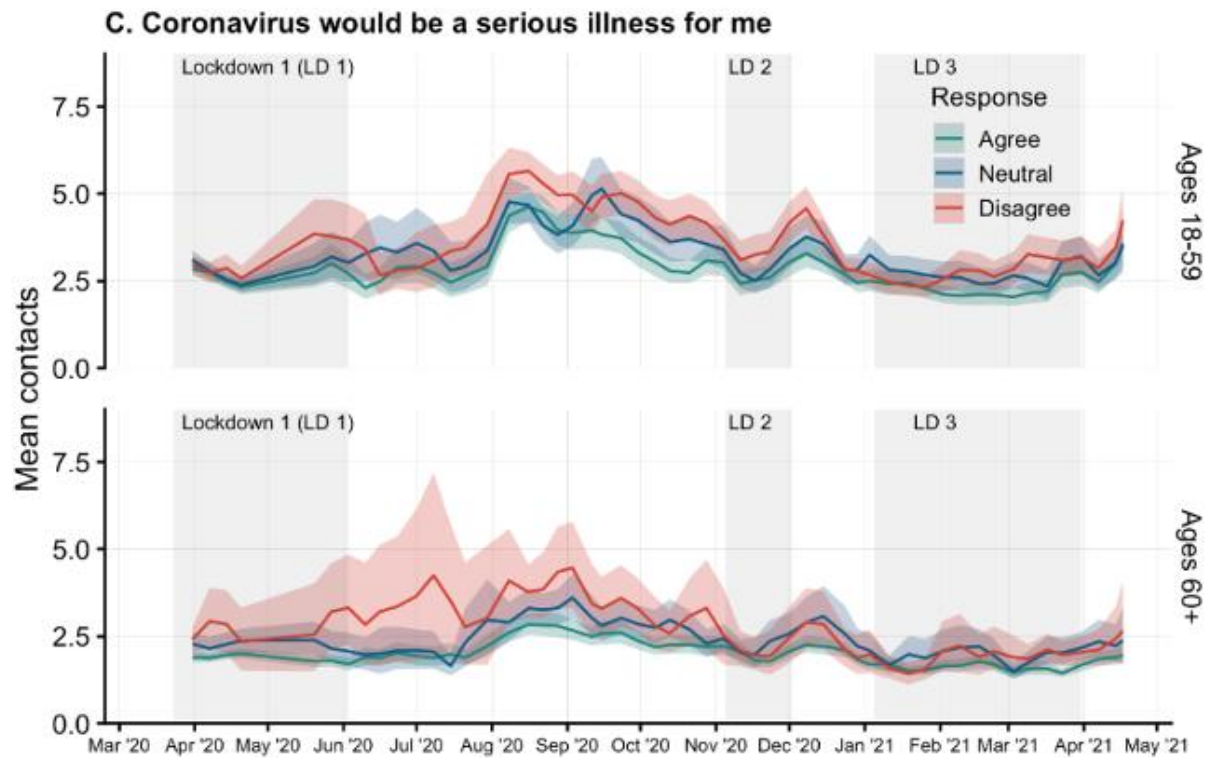
- ~2500 individuals per week (in 2 online panels)
- Broadly representative by age, SES, and region
- Face-to-face conversational contacts
- Details on who they contact, where, for how long, how frequently, inside/outside, mask wearing etc.
- Launched 24th March 2020
 - 101,350 observations
 - 19,914 participants
 - 466,710 contacts
- Part of EU-wide survey



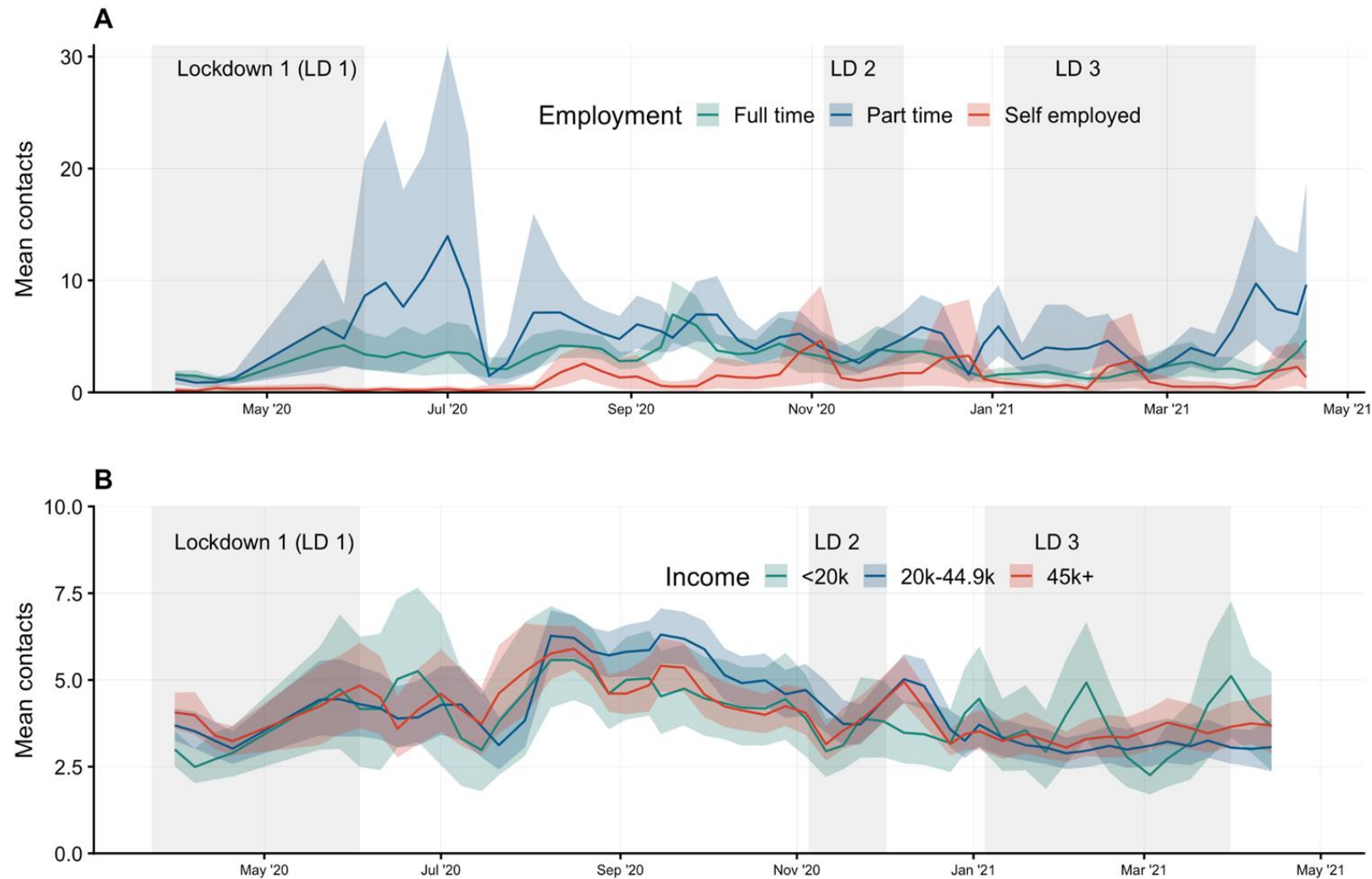
Mean contacts over time



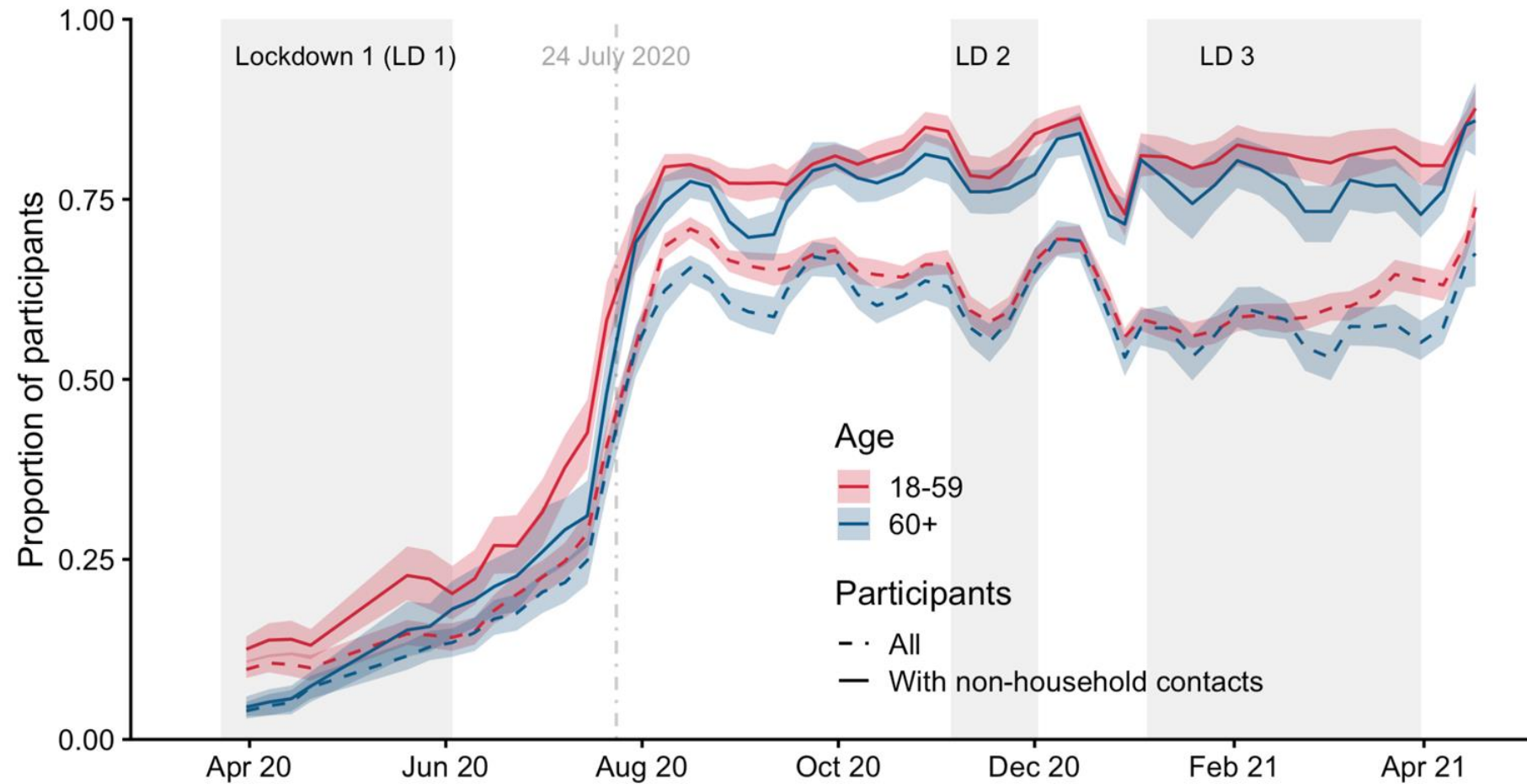
Contact by risk & risk perception



Contacts by employment and income



Reported Mask wearing



Strengths and weaknesses

- Large, rapid, broadly representative
- Rapid insights into likely transmission dynamics and the effect of interventions
- Can investigate impact on different subgroups of population (e.g. age or risk groups) as we have information on participants
- Designed specifically to capture epidemiologically relevant contact patterns
 - Can even estimate R directly from survey (Jarvis et al. BMC Med 2020)
- Longitudinal
- Online survey panel, quota sample
 - Representativeness
 - Fatigue?
- Parents complete for children
- All contacts included? Too many?
 - Group contacts allowed to be reported
 - Truncation of means
- Validation studies seldom performed
- No boosting of sample for certain groups (e.g. ethnic groups)

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