

COVID-19: Epidemiological considerations for re-opening

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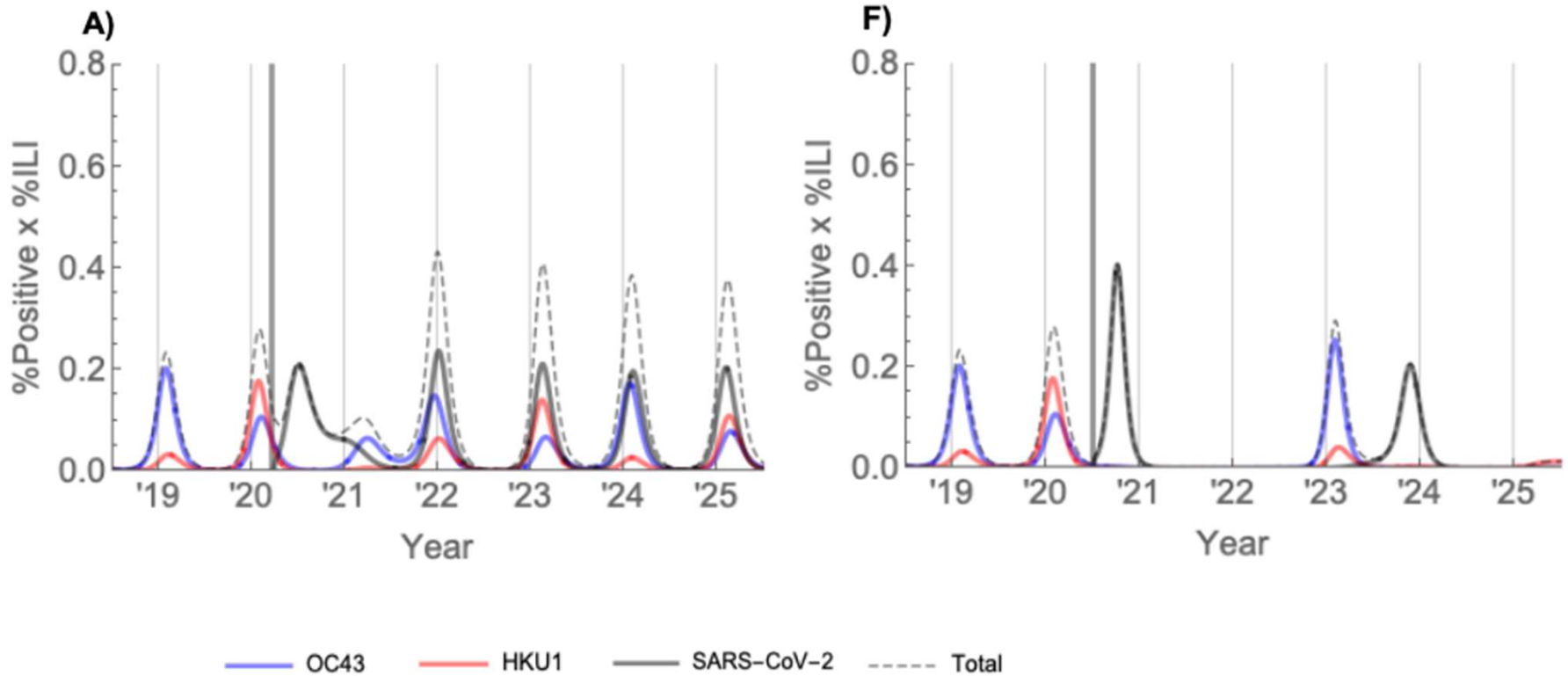
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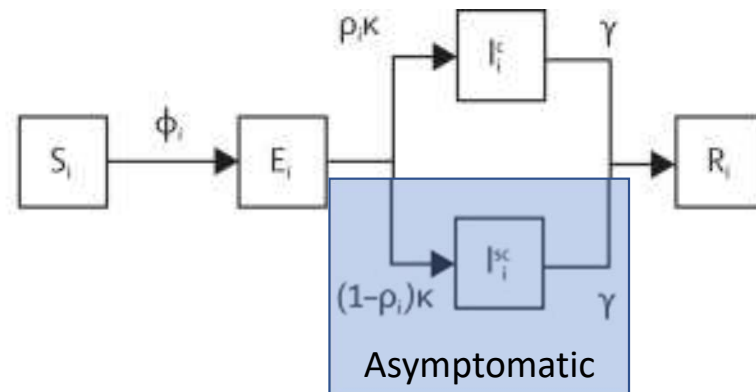
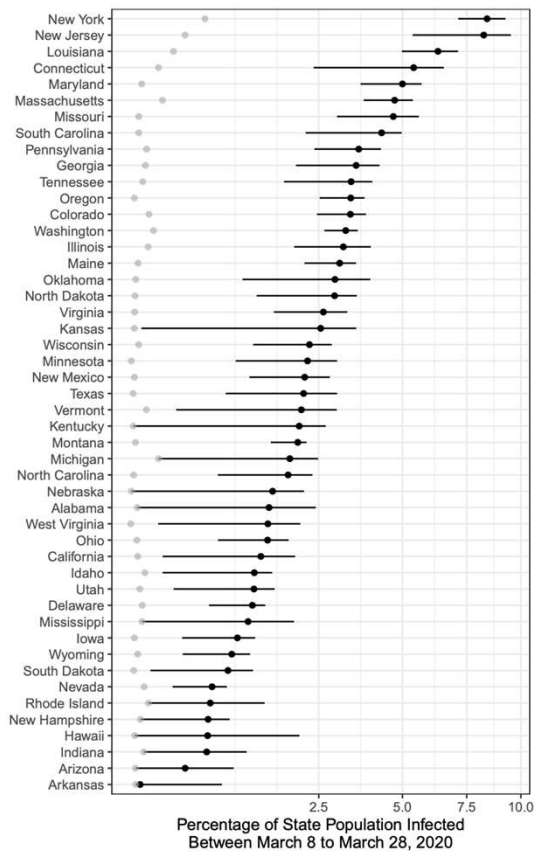
BROOKINGS, May 12th 2020

Open question 1: immunity?



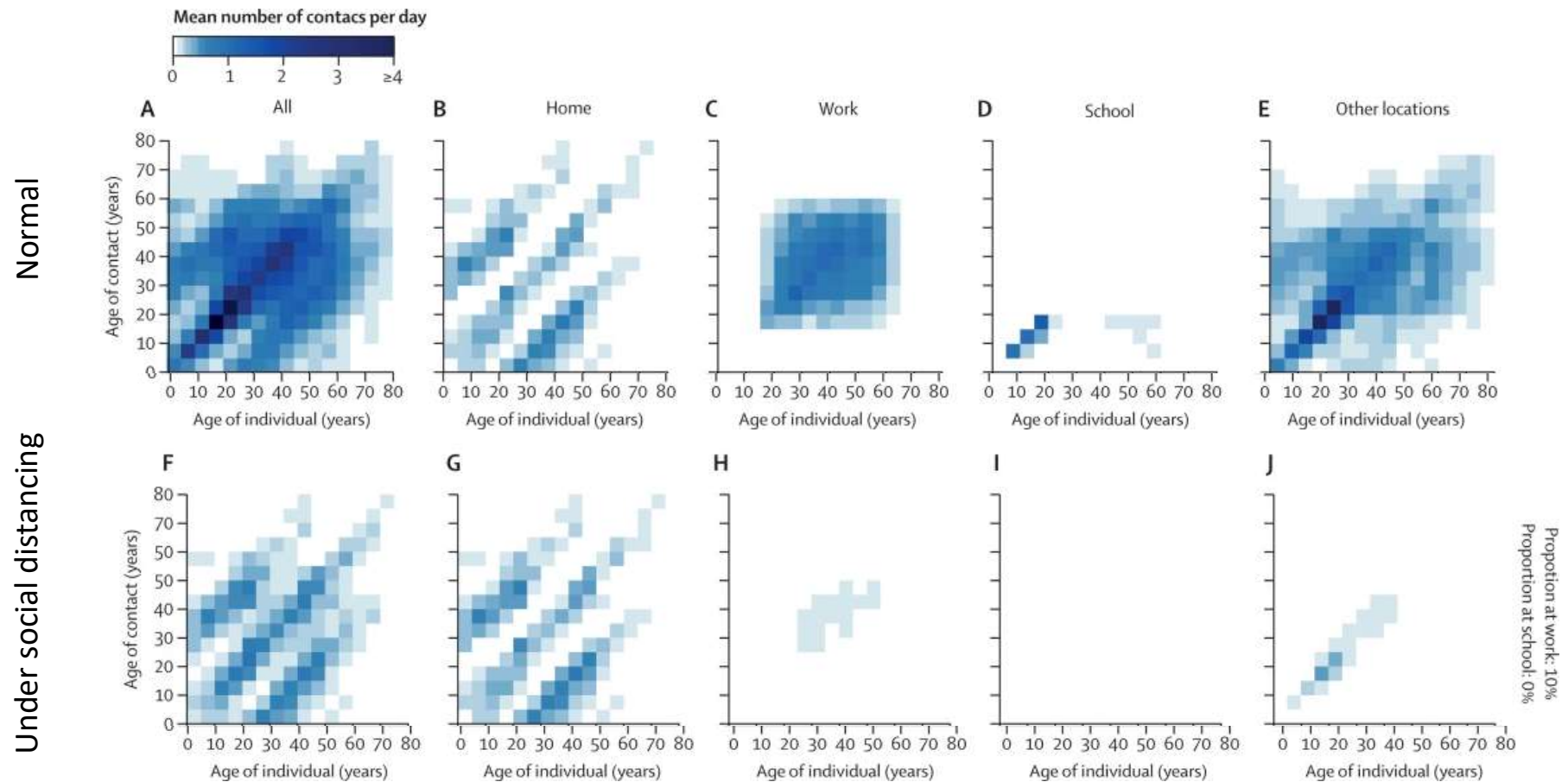
Kissler et al (2020)

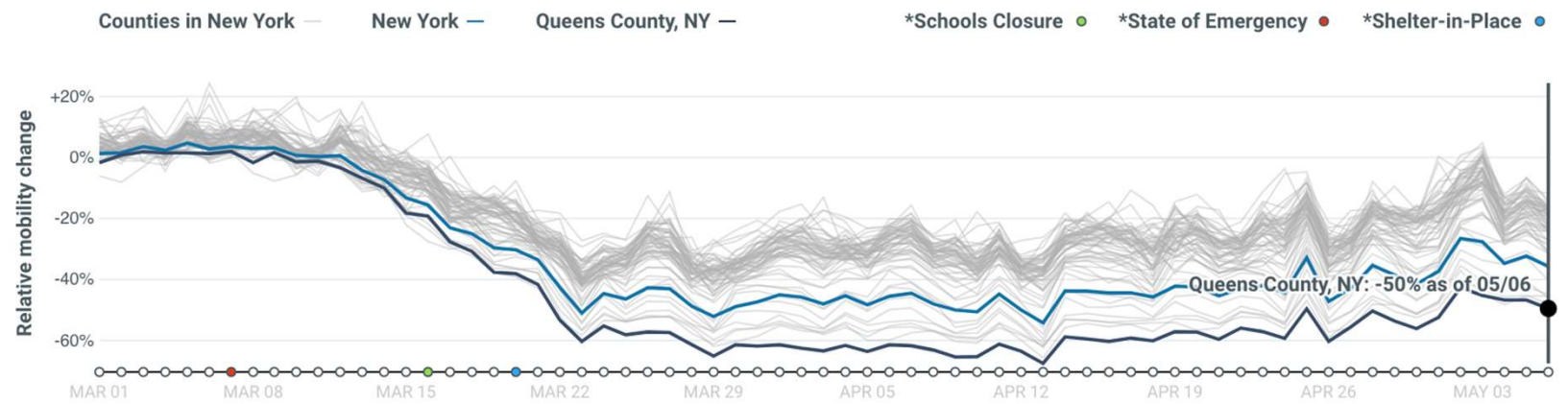
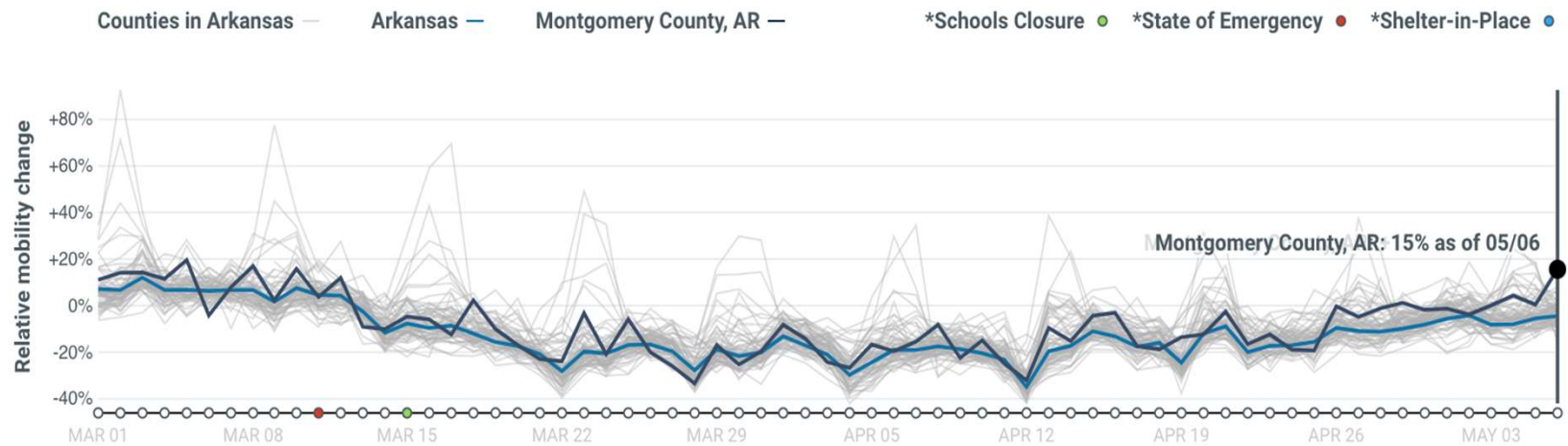
Open question 2: asymptomatics?



Prem et al. (2020) Lancet

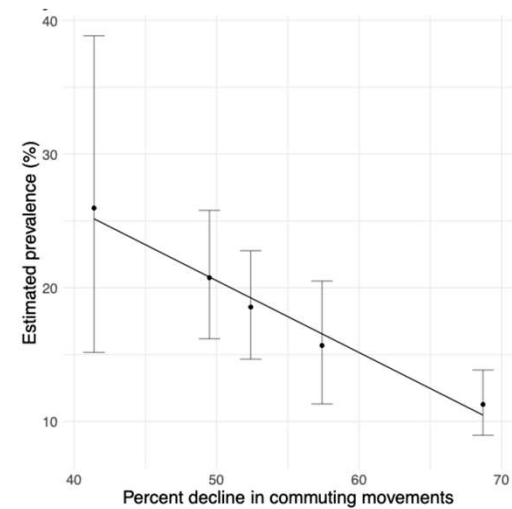
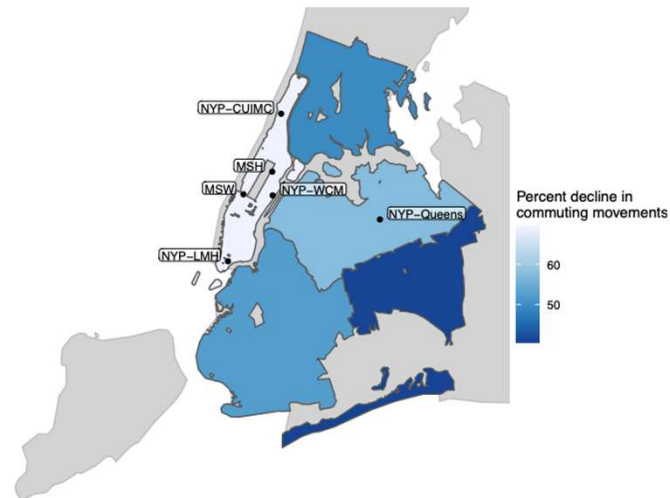
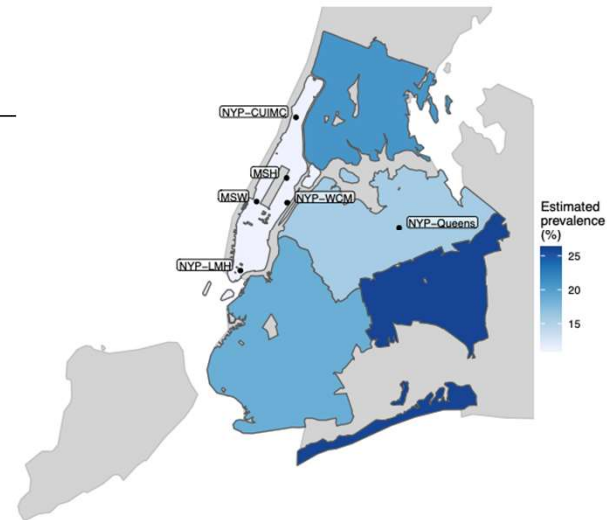
Open question 3: contact rates?

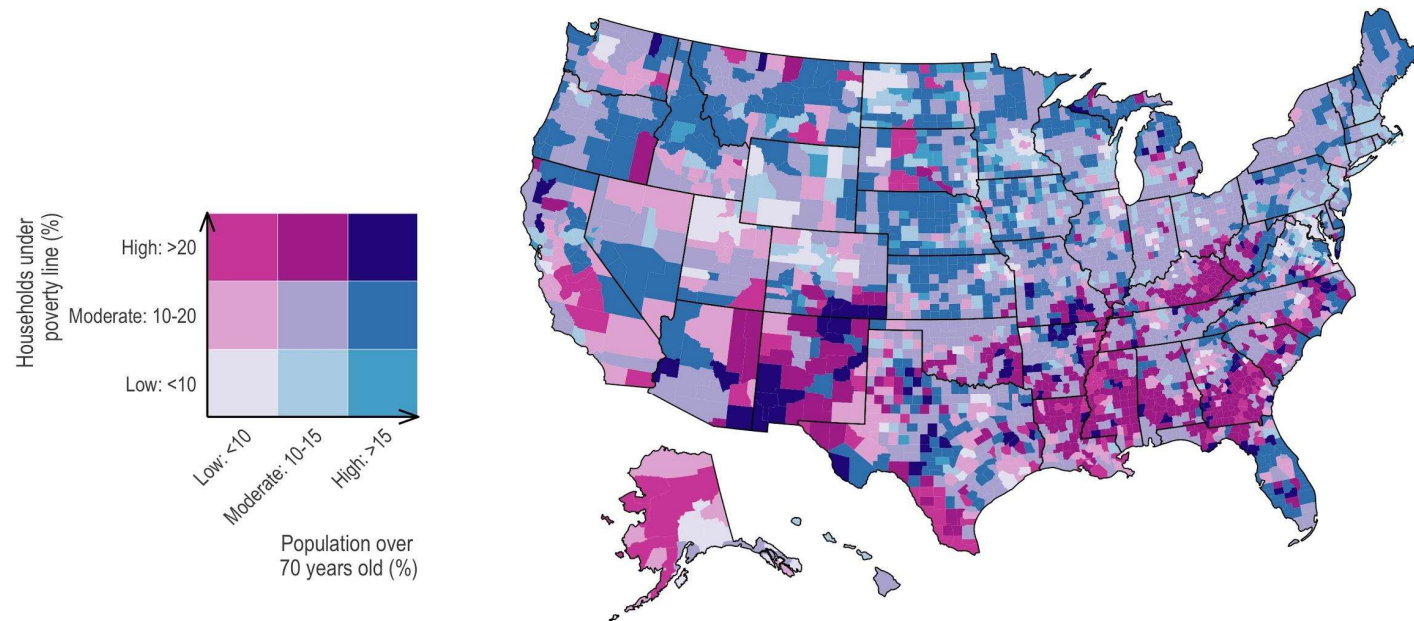




Kissler, Stephen M., Nishant Kishore, Malavika Prabhu, Dena Goffman, Yaakov Beilin, et al. Reductions in commuting mobility predict geographic differences in SARS-CoV-2 prevalence in New York City (2020).

<http://nrs.harvard.edu/urn-3:HUL.InstRepos:42665370>

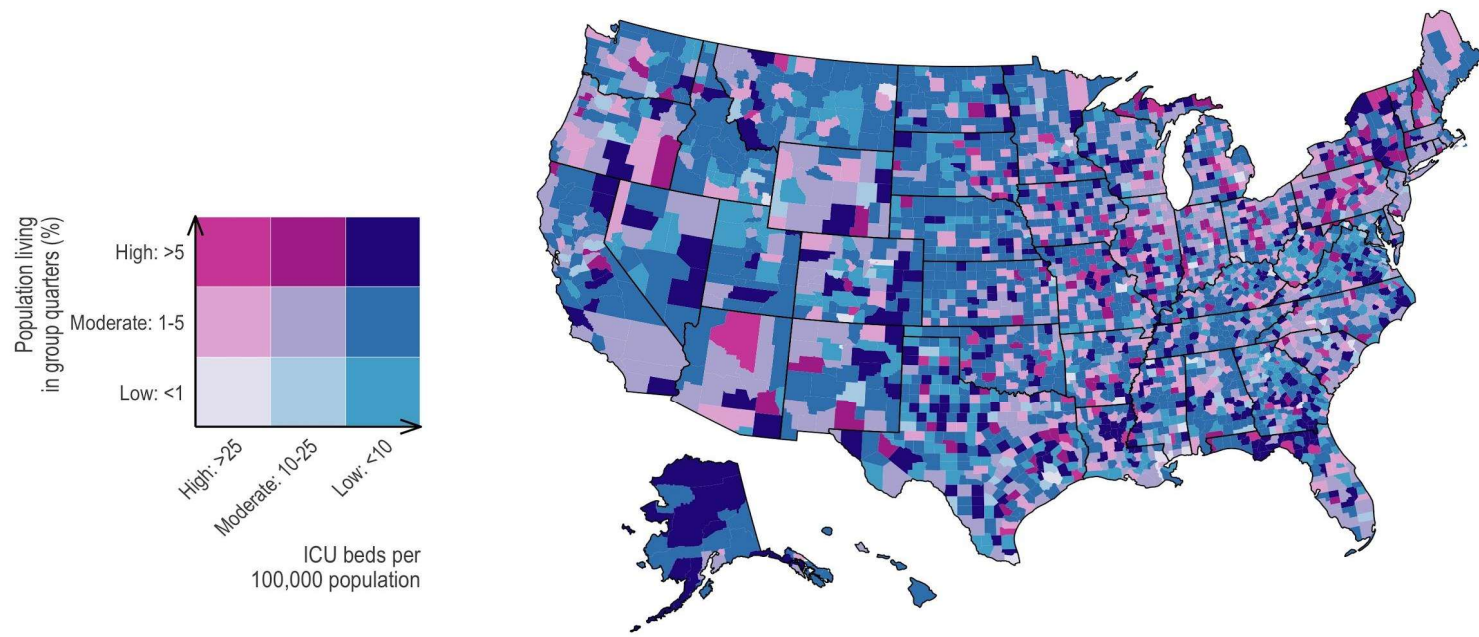




U.S. county-level characteristics to inform equitable COVID-19 response

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doi: <https://doi.org/10.1101/2020.04.08.20058248>



Considerations for re-opening

- How will we monitor the epidemic while re-opening?
- What will the decision-rule be for adapting policies?
- The epidemic is hyper-local and staggered: what spatial scale is appropriate for policy making?
- What are we willing to tolerate?