S6 Appendix: Effects of starting testing earlier

S6.1 Fig: Starting testing at lower seroprevalence

The different testing and quarantining strategies were explored at different values of the background seroprevalence. As one would expect, the total number of recovered at the end of the infection is lower when we begin testing and quarantining earlier on in the infection. However, certain qualitative trends remain similar to Fig 8 in the main text: larger daily testing rates are seen to bring down the cumulative number of people infected by the disease, and quarantining the homes of those who test positive was found to be a better strategy than simply isolating the individual in their house. However, unlike the case when testing started at 20% of the population having recovered, the relative benefit of quarantining homes at low testing rates is much more significant. Apart from this, there is as before a general benefit of having a larger number of PCR tests in the test-mixture when RAT tests are of low-sensitivity, but this becomes less significant as the RAT sensitivity is increased.