Japan **Mobility** Susceptible & vaccinated 100 % deviations from norm 80 -10 of population 60 -20  $S_t$ : reinfect 40 -30  $V_t$ : reinfect Baseline 20 -40 Reinfection 0 2020-04 2020-07 2020-10 2021-01 2021-04 2021-07 2021-10 2022-01 2020-04 2020-07 2020-10 2021-01 2021-04 2021-07 2021-10 2022-01