Malaysia Cases **Deaths** - 0.35 0.010 Death data - 0.30 4 - DD_t 0.008 - 0.25 % of population % of population Case data 0.006 - 0.20 bT_t - 0.15 I_t (rhs) 0.004 - 0.10 1 -0.002 - 0.05 0 --0.000.000 2020-04 2020-10 2021-10 2020-10 2021-07 2020-07 2021.07 2021-10 2021-01 2021-04 2021-01 2021-04 Susceptible & vaccinated Infection rate 100 3.5 S_t γ_t 3.0 V_t 80 2.5 % of population 2.0 60 1.5 40 1.0 0.5 20 0.0 -0.5 0 2020-10 2021-07 2021-10 2020-10 2021-01 0 2021-01 2021-04 2021-07 2021-10 Mobility Death probability 0 Death probability 2.0 -10 Forecast % deviations from norm -20 1.5 Random vaccines -30 Targeted vaccines % 1.0 -40 -50 0.5 Google mobility -60 Model -70 0.0 2020-10 2020-07 2021-01 2020-07 2021-01 2020-10 2021-10 2021-04 2021-07 2021-10 2021-04 2021-07