Final Size of Epidemic Dependence on  $R_0$  estimate 1.0 Covid-19 R0(2.280) 0.859 Infected  $-S_{\infty}/N$  (percentage of population infected)  $\mathscr{R}_0 \equiv \frac{\beta}{\gamma}$ 0.8 0.6 -0.4 -0.2 0.0 -1.5 2.0 2.5 3.0 3.5 4.5 1.0 4.0 5.0  $R_0$