Final Size of Epidemic Dependence on R_0 estimate Covid R0(5.000) 1.0 -0.966 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