Final Size of Epidemic Dependence on  $R_0$  estimate 1.0 Covid R0(2.200) 0.844 Infected  $egin{aligned} \mathscr{R}_0 &\equiv rac{eta}{\gamma} \ & \ eta \sim \mathscr{N}(\mu_eta,(\sigma_eta^2) \end{aligned}$ 0.8  $S_{\infty}/S_0$  (percentage of population infected) 0.6 -0.4 -0.0 1.5 2.5 2.0 3.5 4.5 1.0 3.0 4.0 5.0  $R_0$