Final Size of Epidemic Dependence on  $R_0$  estimate 1.0  $egin{aligned} \mathscr{R}_0 &\equiv rac{eta}{\gamma} \ & \ eta \sim \mathscr{N}(\mu_eta,(\sigma_eta^2) \end{aligned}$  $S_{\infty}/S_0$  (percentage of population infected) 0.0 0.0 0.0 8.0 0.8 Covid R0(1.767) 0.720 Infected 0.6 -0.4 -0.0 1.5 2.5 3.5 2.0 4.5 1.0 3.0 4.0 5.0  $R_0$