COVID-19 Epidemic - High Scenario - Shields Ages 20-60 Asymptomatic incidence p = 0.708, $R_o = 2.3256$ 15 -Deaths per 100,000 alpha 10-Baseline 2:1 Shielding 5 -20:1 Shielding 0 -300 100 200 0 Time, days 300 -ICU beds per 100,000 alpha 200 -Baseline 2:1 Shielding 100 -20:1 Shielding 0 -100 200 300 Time, days Cumulative Deaths per 100,000 - 0.15 Population Age Structure - 0.05 - 0.05 alpha Baseline 2:1 Shielding 20:1 Shielding Age Fraction Model 25 75 50

age