

B)

 $R_0 = 1.5$  $R_0 = 2$  $R_0 = 4$ Relative susceptibility of children ( $\psi$ ) $\phi = 1$  $\phi = 1.5$  $\phi = 2$ 

0 0.15 0.3 0.45 0.6

0 0.15 0.3 0.45 0.6

0 0.15 0.3 0.45 0.6

Adult-to-adult within-household transmission probability ( $p_{aa}$ )

0 0.1 0.2 0.3 0.4 0.5 0.6

