

A)

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

0 0.2 0.4 0.6 0.8

0 0.2 0.4 0.6 0.8

0 0.2 0.4 0.6 0.8

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

25

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50

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