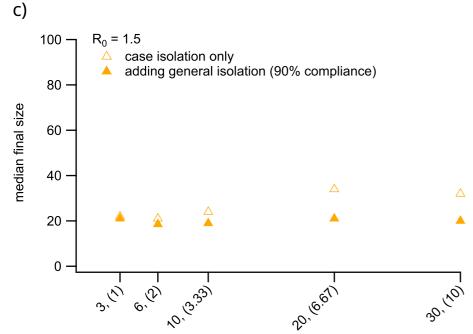
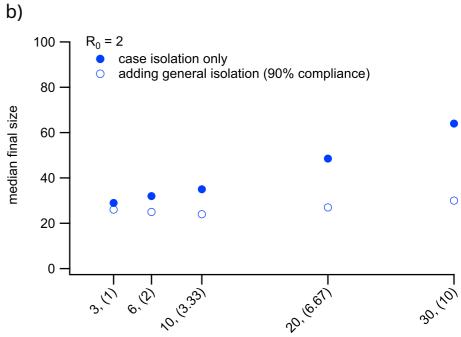


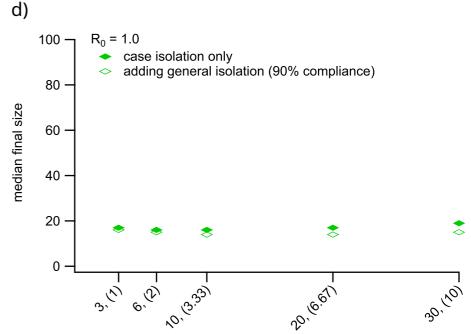
social contact rate between residents, (ratio with contact rate involving staff) $\lambda_{\rm (ii)}$, ($\lambda_{\rm (ii)}$ / c)



social contact rate between residents, (ratio with contact rate involving staff) $\lambda_{\rm (ii)}$, ($\lambda_{\rm (ii)}$ / c)



social contact rate between residents, (ratio with contact rate involving staff) $\lambda_{\rm (ii)}$, ($\lambda_{\rm (ii)}$ / c)



social contact rate between residents, (ratio with contact rate involving staff) $\lambda_{(ii)}\,,\,(\,\lambda_{(ii)}\,/\,c\,\,)$