Epidemiology and transmission dynamics of COVID-19 in two Indian states [1]

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Abstract

Although most COVID-19 cases have occurred in low-resource countries, little is known about the epidemiology of the disease in such contexts. Data from the Indian states of Tamil Nadu and Andhra Pradesh provide a detailed view into SARS-CoV-2 transmission pathways and mortality in a high-incidence setting. Reported cases and deaths have been concentrated in younger cohorts than expected from observations in higher-income countries, even after accounting for demographic differences across settings. Among 575,071 individuals exposed to 84,965 confirmed cases, infection probabilities ranged from 4.7-10.7% for low-risk and high-risk contact types. Same-age contacts were associated with the greatest infection risk. Case-fatality ratios spanned 0.05% at ages 5-17 years to 16.6% at ages ≥85 years. Primary data are urgently needed from low-resource countries to guide control measures.

Region: Asia [3]
Tags: data [4]
health and safety [5]

Links
[1] https://childcarecanada.org/documents/research-policy-practice/20/10/epidemiology-and-transmission-dynamics-covid-19-two-indian [2] https://science.sciencemag.org/content/early/2020/09/29/science.abd7672 [3] https://childcarecanada.org/category/region/asia [4] https://childcarecanada.org/category/tags/data [5] https://childcarecanada.org/category/tags/health-and-safety