

Pathogens

Biology

The types of pathogen and their routes of transmission.

Transmission routes with an example of each.

Route	Example
Airborne / droplet	Influenza, TB, COVID-19
Faecal-oral	Cholera, norovirus, typhoid
Direct contact	Athlete's foot, impetigo
Vector-borne	Malaria, dengue, Lyme
Bloodborne	HIV, hepatitis B and C
Vertical	Mother to child, e.g. rubella

R_0 is the average number of secondary infections in a fully susceptible population. Above 1, an outbreak grows.