The Standing Disease

Supporting material for:
Supporting material for:
Supporting material for:

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Supporting material for:

33 steps!
“Eyebrows were raised when the Centers for Disease Control’s model forecast **77 trillion cases** if the epidemic went unchecked”

– Ben Cooper, 2006
Reproduction number ($R_0$)

**Definition:** Average number of people an infected person infects at the start of an epidemic.

Supporting material for:
Reproduction number ($R_0$)

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$R_0 = 2$

Supporting material for:
Reproduction number ($R_0$)

$R_0$ measures how quickly an epidemic will take off...

$R_0 < 1$

Cases decrease each step

Supporting material for:

Reproduction number ($R_0$)

$R_0$ measures how quickly an epidemic will take off…

- **$R_0 < 1$**: Cases *decrease* each step
- **$R_0 > 1$**: Cases *increase* each step

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