Description of model diagram
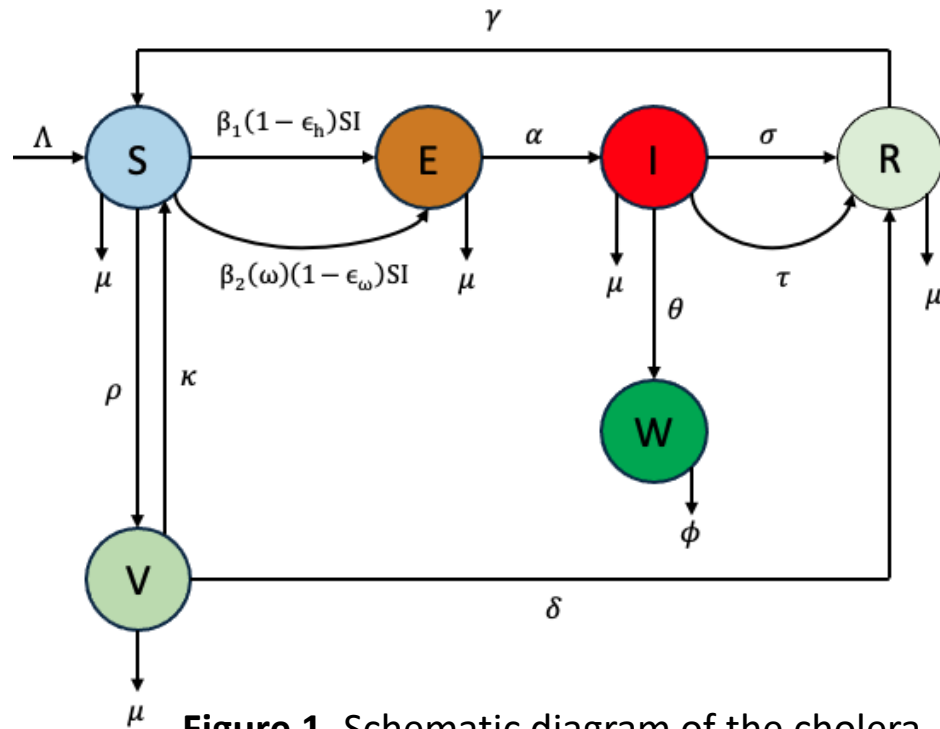
Figure 1. Schematic diagram of the cholera transmission model.

$\beta_2(\omega)$: ??

ϵ_h: ??

ϵ_ω: ??

τ: ??

ϕ: ??

Parameters:

Λ : Total individuals

μ : rate of per capita natural death

ρ : rate of susceptible individual to be vaccinated

κ : rate of vaccinated individual to be susceptible

δ : rate of vaccinated individual to be recovered

α : rate of exposed individual to be infected

σ : rate of infected individual to be recovered

θ : rate of infected individual to move to W compartment

γ : rate of recovered individual to move to susceptible compartment

β_1 : rate of transmission of cholera

Compartments:

S : Susceptible individuals   R : Recovery individuals

V : Vaccinated individuals

E : Exposed individuals

I : Infected individuals

W : What does w mean**??**