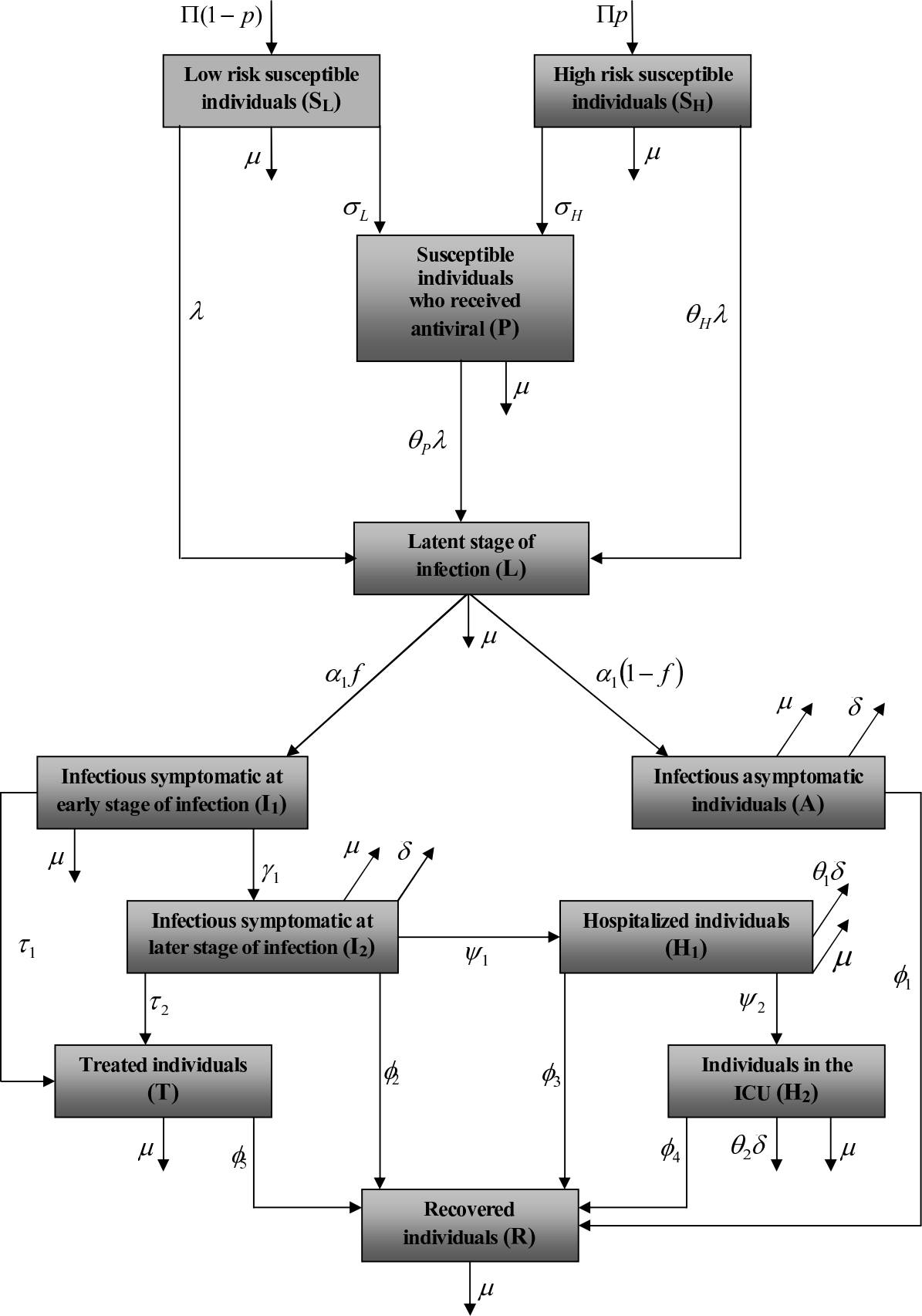
$\Pi(1-p)$
Πp
Low risk susceptible individuals (S_L)
High risk susceptible individuals (S_H)
μ
μ
σ_L
σ_H
Susceptible individuals who received antiviral (P)
λ
$\theta_H\lambda$
μ
$\theta_P\lambda$
Latent stage of infection (L)
μ
$\alpha_1 f$
$\alpha_1(1-f)$
μ
δ
Infectious symptomatic at early stage of infection (I_1)
Infectious asymptomatic individuals (A)
μ
γ_1
μ
δ
$\theta_1\delta$
τ_1
Infectious symptomatic at later stage of infection (I_2)
ψ_1
Hospitalized individuals (H_1)
μ
ϕ_1
τ_2
ψ_2
Treated individuals (T)
ϕ_2
ϕ_3
Individuals in the ICU (H_2)
μ
ϕ_5
ϕ_4
$\theta_2\delta$
μ
Recovered individuals (R)
μ