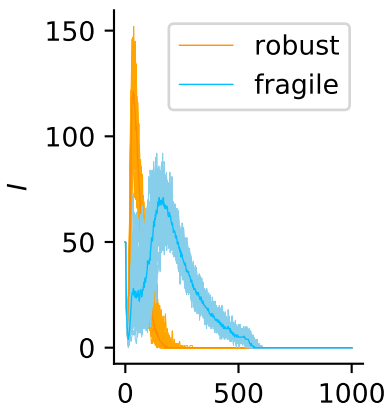
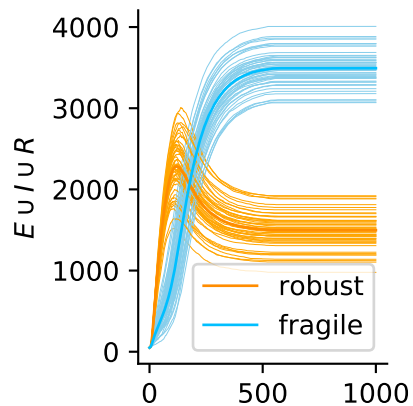
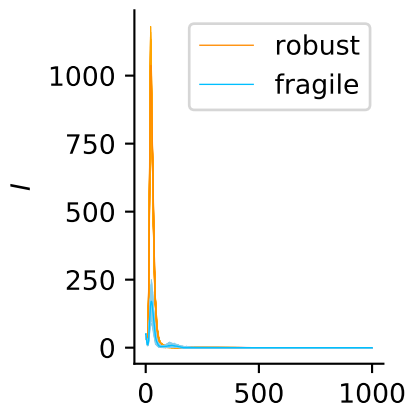


(a)

(b): $(EIR_f > EIR_r) = 50/50$ 

(c)

(d): $(EIR_f > EIR_r) = 0/50$ 