Mean Estimated KE (±SD) vs True KE & Avg Gillespie (N=100, I0=1, Regime=0, 10 runs) Model / Data Type 100 KE (True β_1 , β_2) KE (Est. Mean ± SD, 10 runs) Gillespie Avg (per run, 10 runs) 80 Number of Infected (k) 60 40 20 0 10

Time