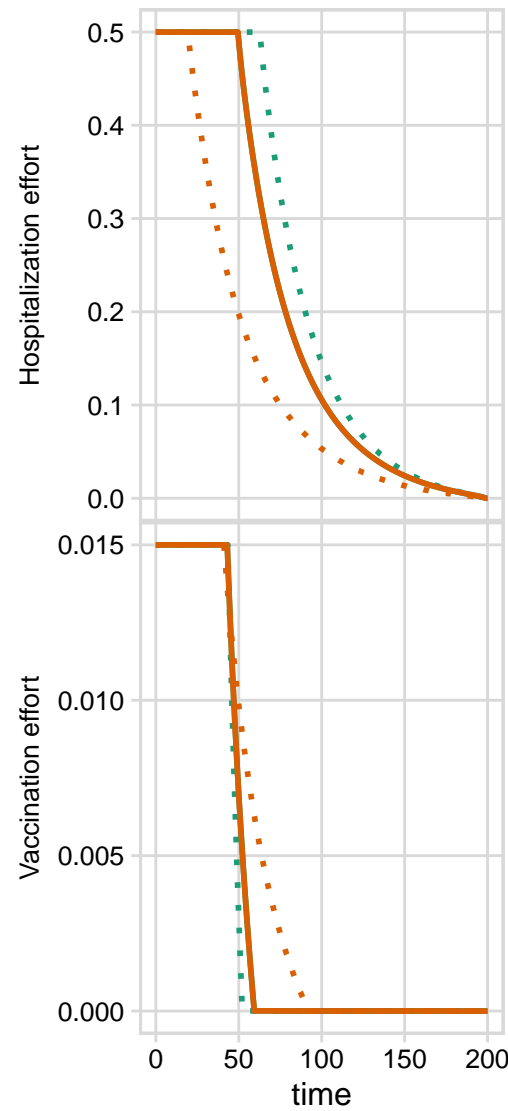
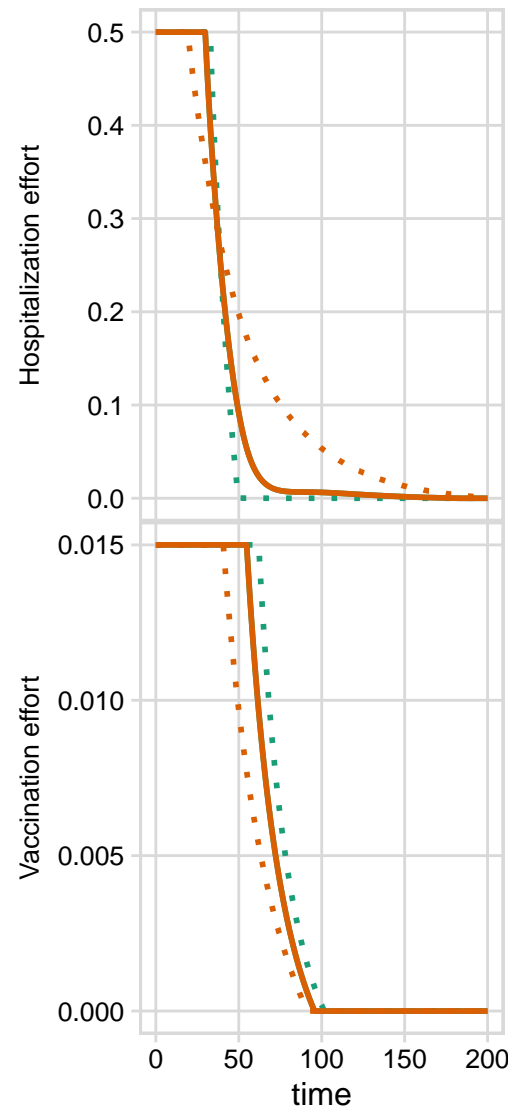


(a) increase cost of vaccination in patch 1



(c) increase cost of hospitalization in patch 1



(d) increase cost of hospitalization in patch 2

