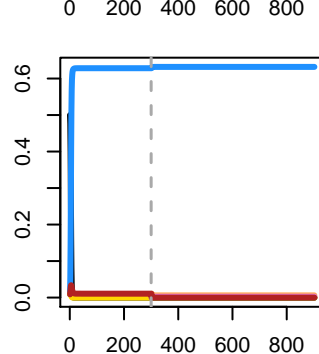
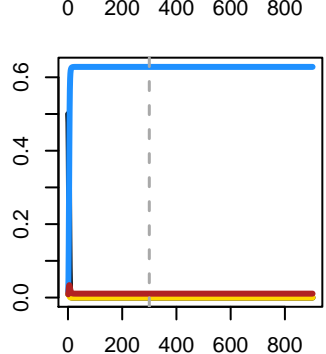
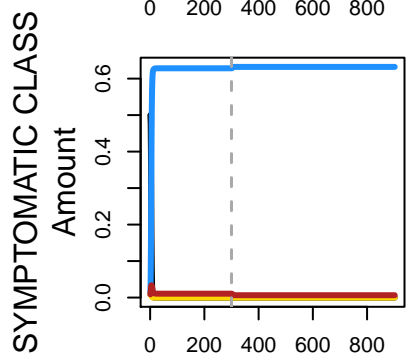
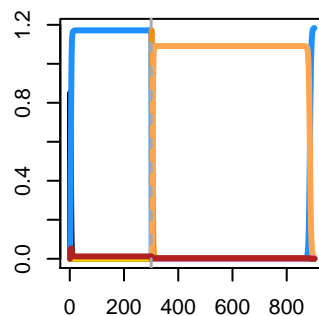
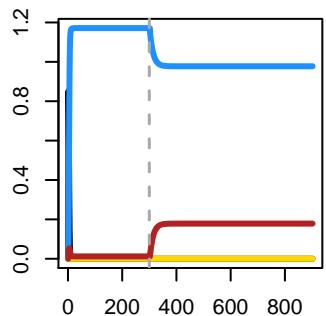
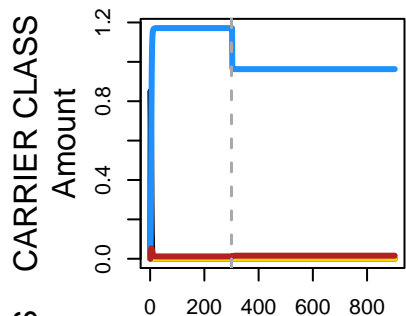
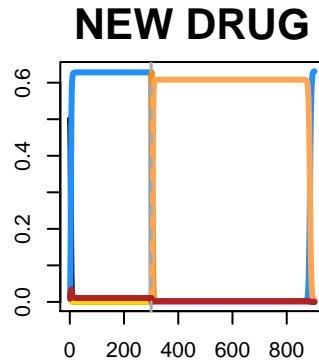
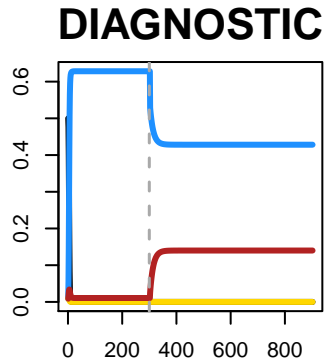
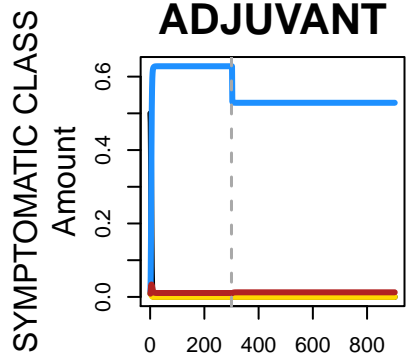
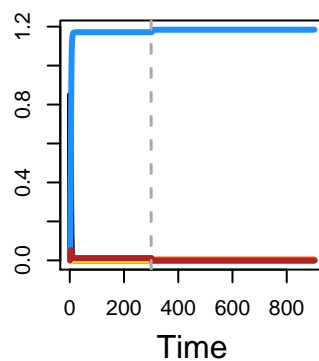
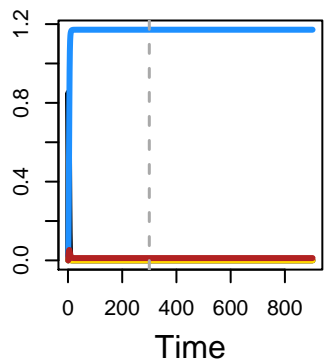
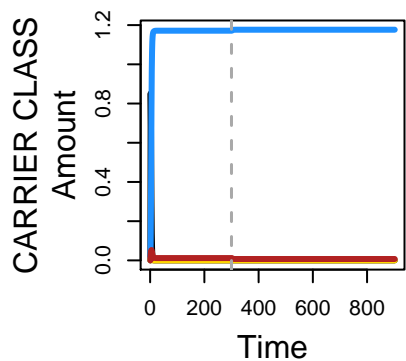


FRONT LINE INTERVENTION



LAST LINE INTERVENTION



$$\beta_w = 3.46$$

$$\beta_b = 2.94$$

$$c = 0.48$$

$$\delta = 1.77$$

$$\gamma = 1.55$$

$$\zeta = 0.53$$

$$\alpha = 1.65$$

$$\varepsilon = 1.12$$

$$\rho = 0.96$$

$$\mu = 0.05$$

$$f = 1.63$$

$$\text{seed} = 24$$

$$\text{draw} = 15$$

$$\text{00 or 000}$$

$$\text{10 or 100}$$

$$\text{01 or 001}$$

$$\text{11 or 111}$$

$$\text{010}$$

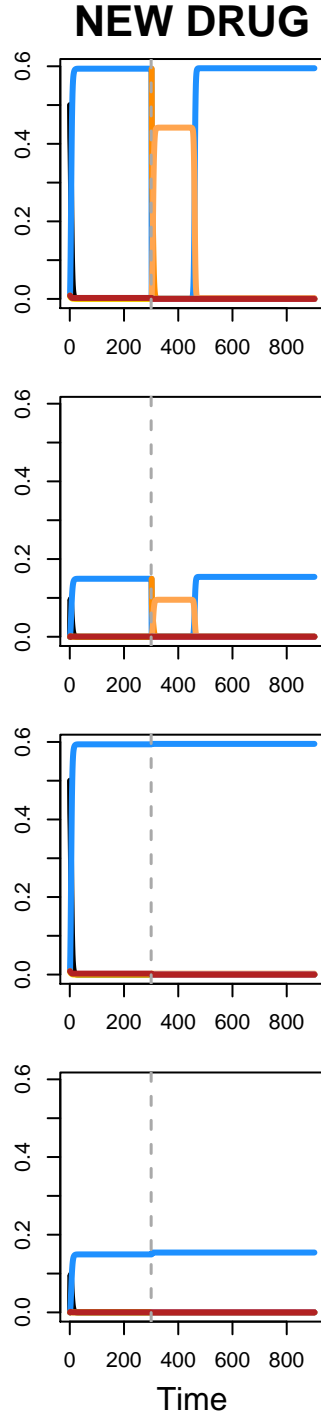
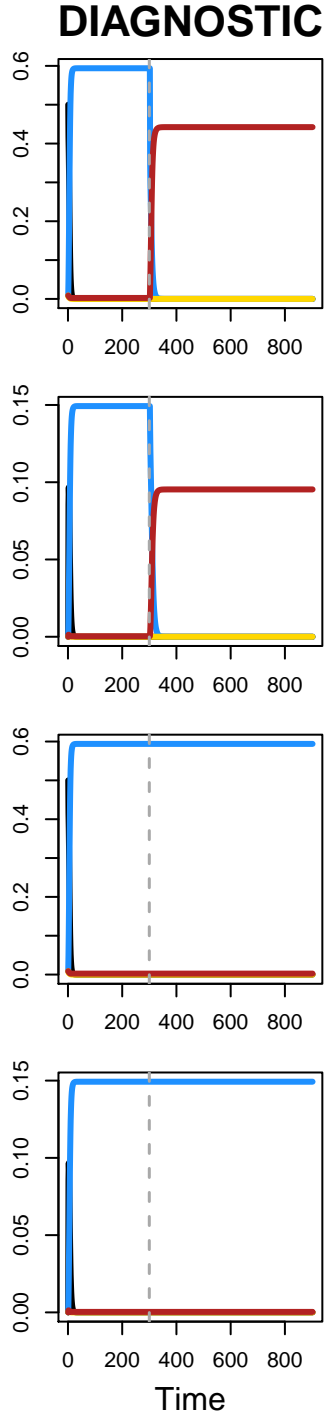
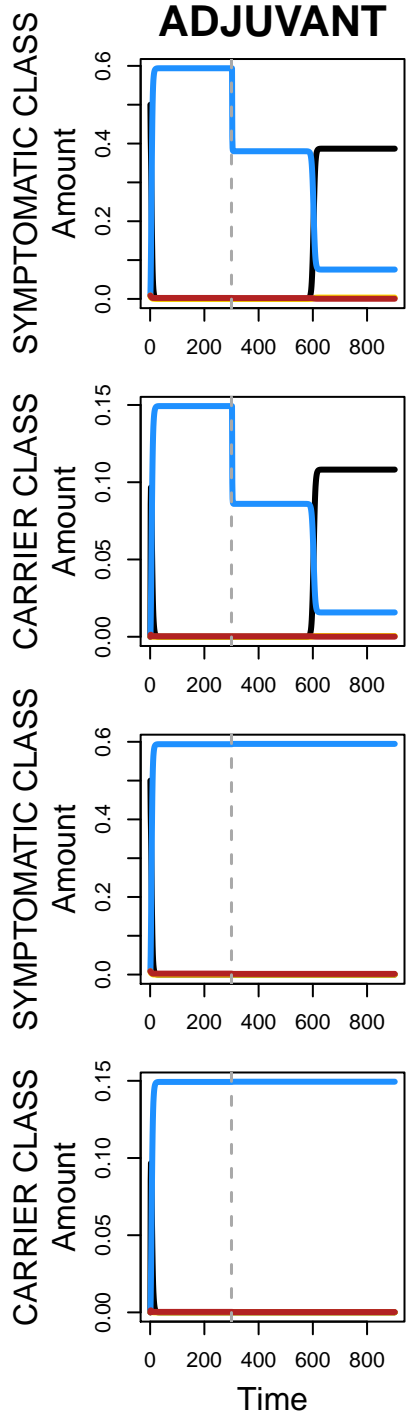
$$\text{110}$$

$$\text{011}$$

$$\text{101}$$

FRONT LINE INTERVENTION

LAST LINE INTERVENTION



$$\beta_w = 3.61$$

$$\beta_b = 1.27$$

$$c = 0.63$$

$$\delta = 0.51$$

$$\gamma = 1.13$$

$$\zeta = 0.41$$

$$\alpha = 0.11$$

$$\varepsilon = 0.85$$

$$\rho = 0.85$$

$$\mu = 0.07$$

$$f = 0.28$$

$$\text{seed} = 24$$

$$\text{draw} = 22$$

$$\text{00 or 000}$$

$$\text{10 or 100}$$

$$\text{01 or 001}$$

$$\text{11 or 111}$$

$$\text{010}$$

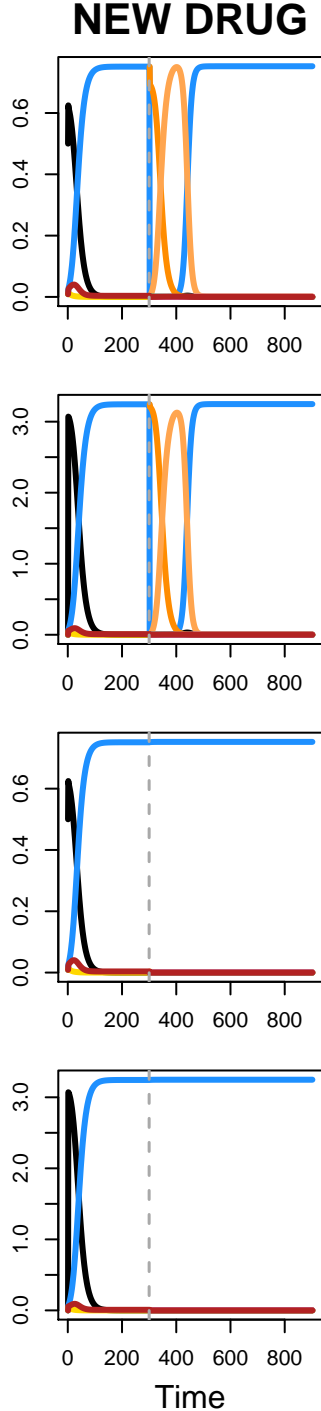
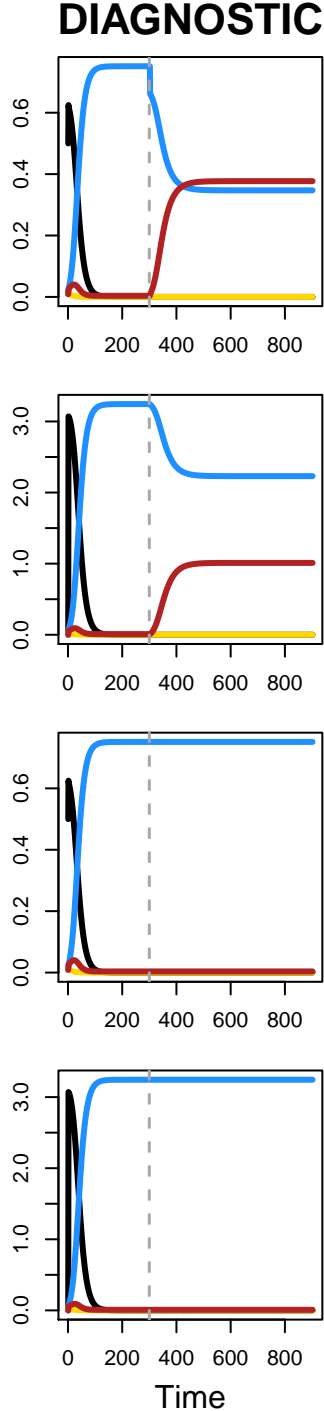
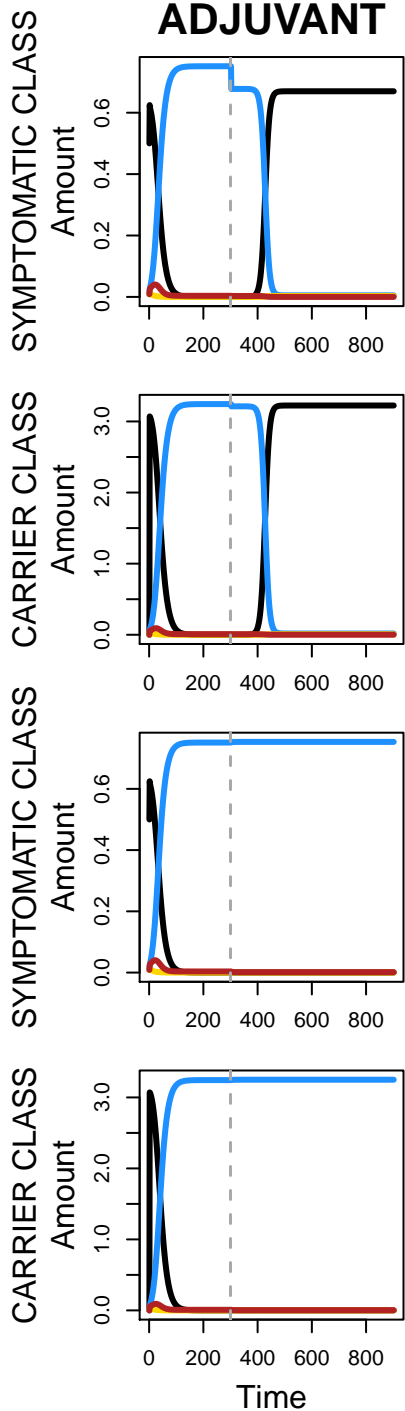
$$\text{110}$$

$$\text{011}$$

$$\text{101}$$

FRONT LINE INTERVENTION

LAST LINE INTERVENTION



$$\beta_w = 4.5$$

$$\beta_b = 1.6$$

$$c = 0.15$$

$$\delta = 1.92$$

$$\gamma = 1.79$$

$$\zeta = 0.2$$

$$\alpha = 1.65$$

$$\varepsilon = 1.5$$

$$\rho = 0.15$$

$$\mu = 0.01$$

$$f = 3.68$$

$$\text{seed} = 34$$

$$\text{draw} = 9$$

$$\text{00 or 000}$$

$$\text{10 or 100}$$

$$\text{01 or 001}$$

$$\text{11 or 111}$$

$$\text{010}$$

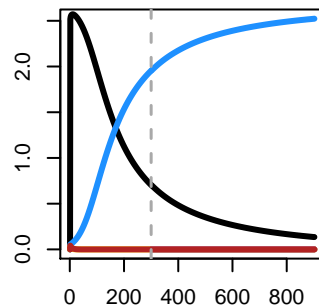
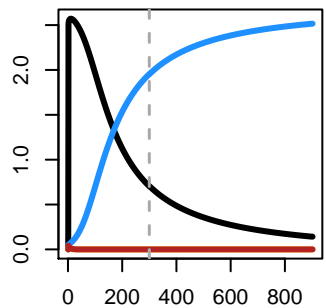
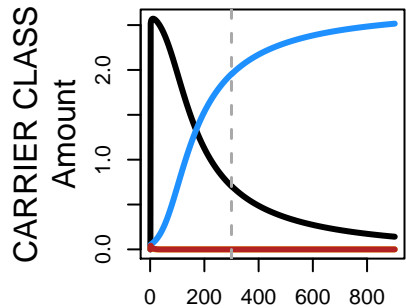
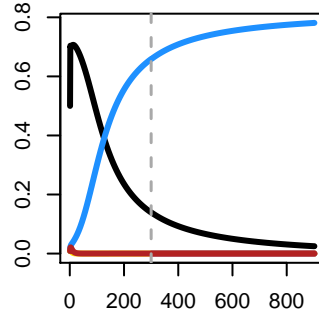
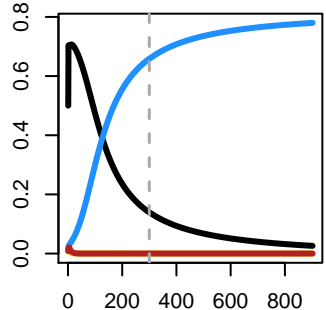
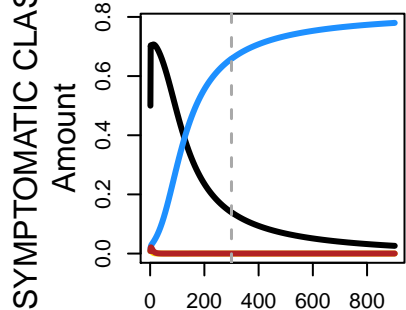
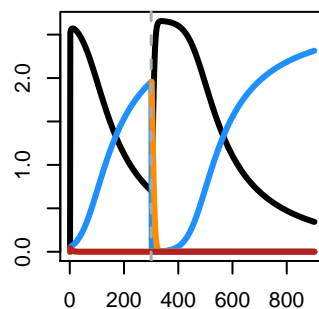
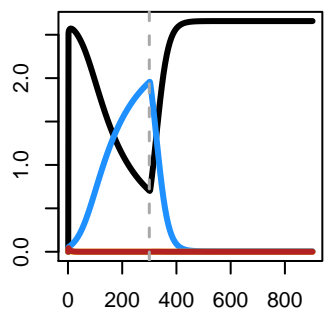
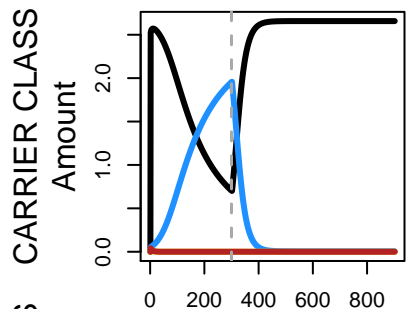
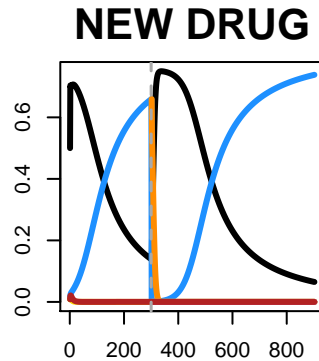
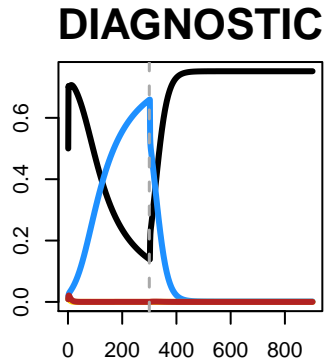
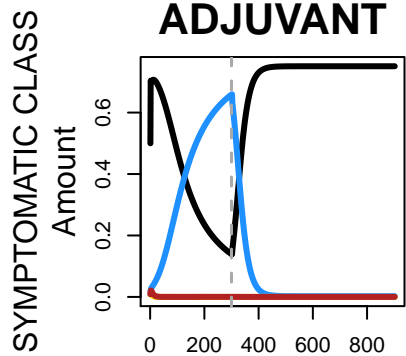
$$\text{110}$$

$$\text{011}$$

$$\text{101}$$

FRONT LINE INTERVENTION

LAST LINE INTERVENTION



$$\beta_w = 4.73$$

$$\beta_b = 1.38$$

$$c = 0.26$$

$$\delta = 0.83$$

$$\gamma = 1.22$$

$$\zeta = 0.32$$

$$\alpha = 1.15$$

$$\varepsilon = 0.21$$

$$\rho = 0.36$$

$$\mu = 0$$

$$f = 2.87$$

$$\text{seed} = 44$$

$$\text{draw} = 8$$

$$\text{00 or 000}$$

$$\text{10 or 100}$$

$$\text{01 or 001}$$

$$\text{11 or 111}$$

$$\text{010}$$

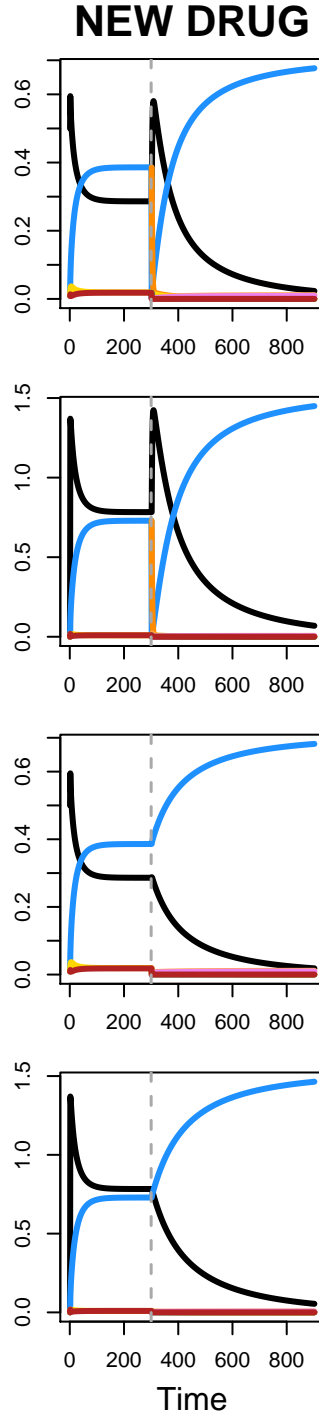
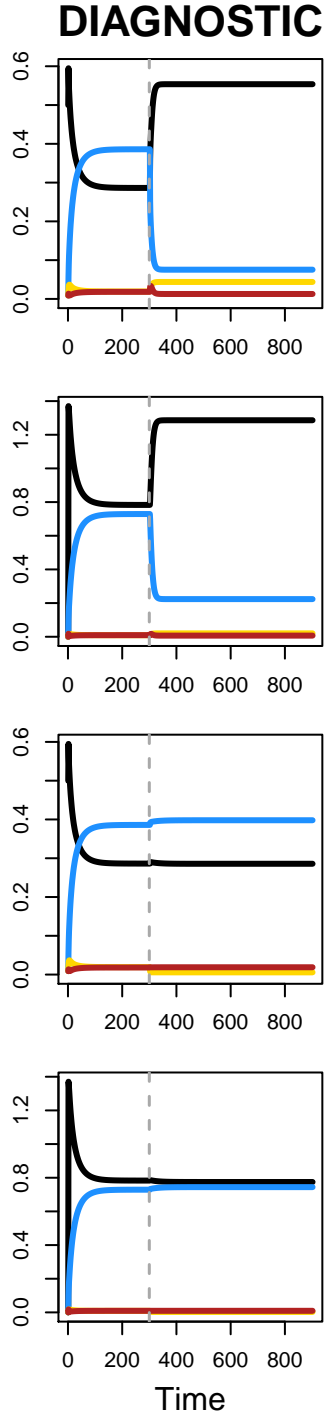
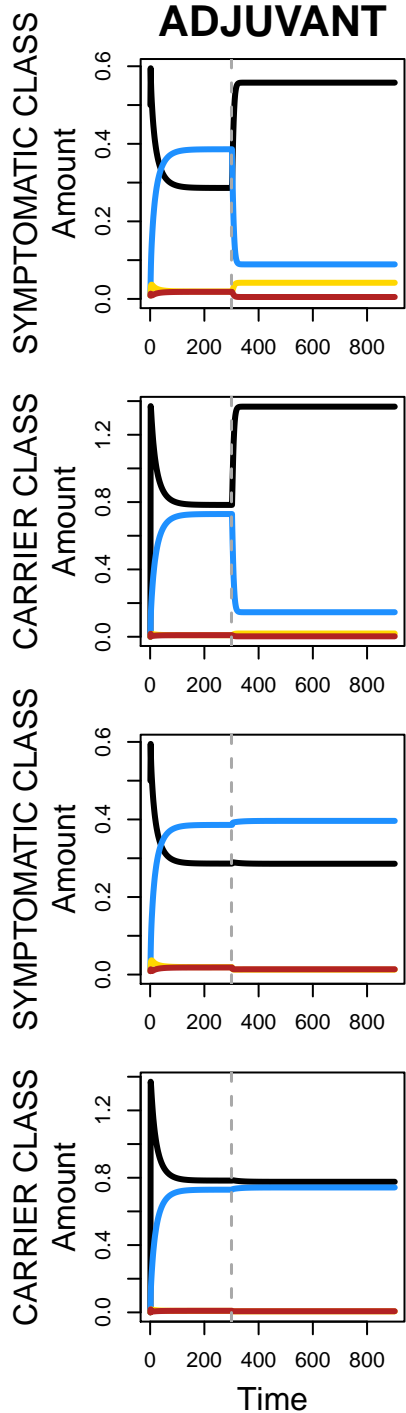
$$\text{110}$$

$$\text{011}$$

$$\text{101}$$

FRONT LINE INTERVENTION

LAST LINE INTERVENTION



$\beta_w = 5$
 $\beta_b = 1.86$
 $c = 0.72$
 $\delta = 0.94$
 $\gamma = 1.81$
 $\zeta = 0.09$
 $\alpha = 2.4$
 $\varepsilon = 0.42$
 $\rho = 0.59$
 $\mu = 0.09$
 $f = 1.8$
 $\text{seed} = 24$
 $\text{draw} = 11$
 — 00 or 000
 — 10 or 100
 — 01 or 001
 — 11 or 111
 — 010
 — 110
 — 011
 — 101

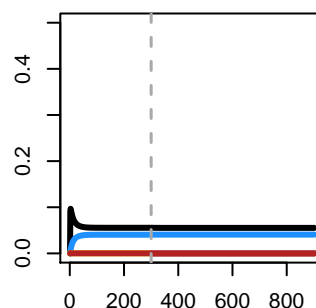
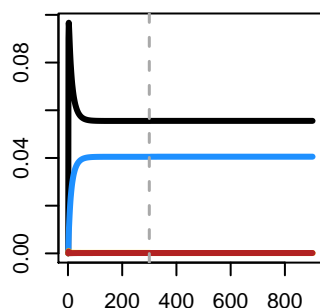
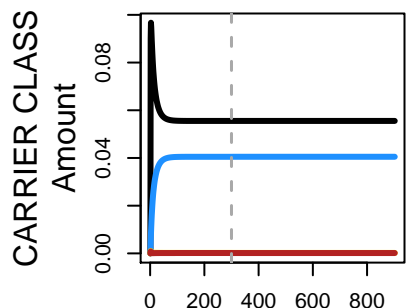
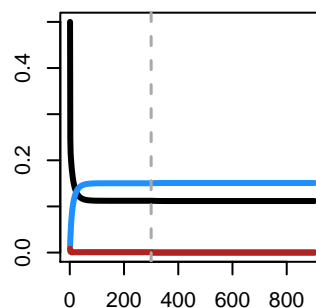
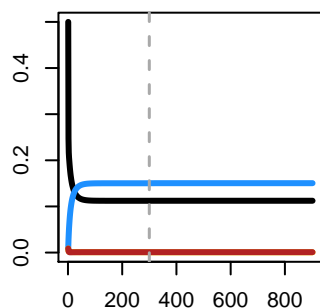
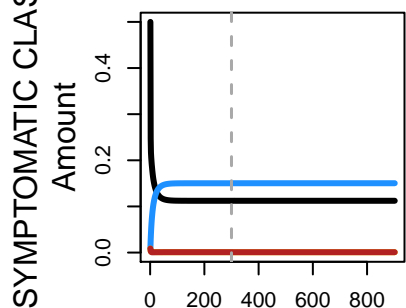
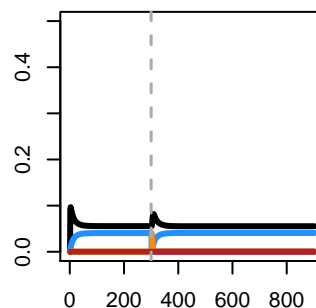
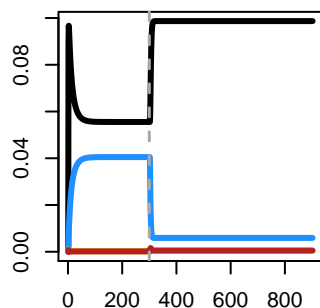
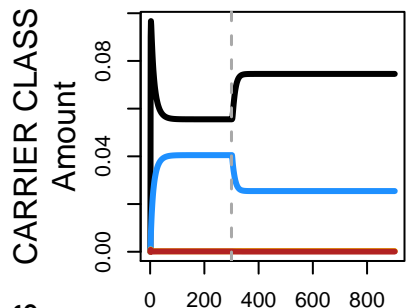
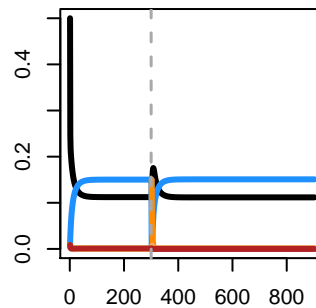
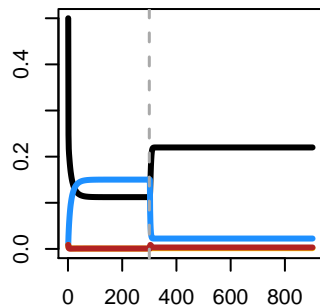
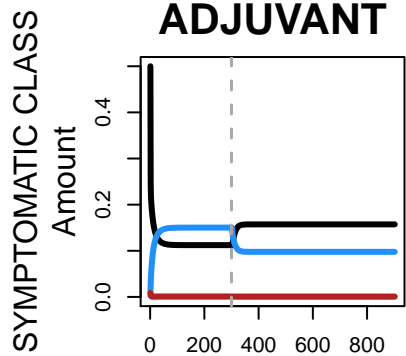
FRONT LINE INTERVENTION

LAST LINE INTERVENTION

ADJUVANT

DIAGNOSTIC

NEW DRUG



$$\beta_w = 3.03$$

$$\beta_b = 1.97$$

$$c = 0.6$$

$$\delta = 1.12$$

$$\gamma = 0.8$$

$$\zeta = 0.93$$

$$\alpha = 0.16$$

$$\varepsilon = 0.09$$

$$\rho = 0.08$$

$$\mu = 0.09$$

$$f = 0.26$$

$$\text{seed} = 24$$

$$\text{draw} = 33$$

$$\text{00 or 000}$$

$$\text{10 or 100}$$

$$\text{01 or 001}$$

$$\text{11 or 111}$$

$$\text{010}$$

$$\text{110}$$

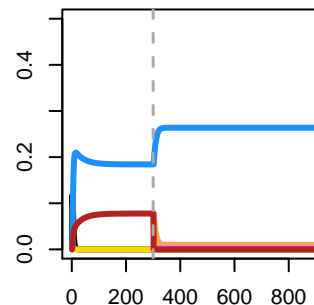
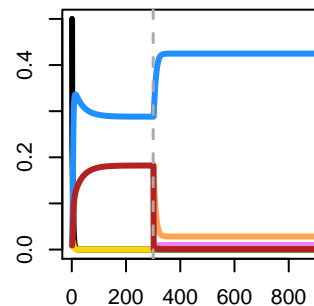
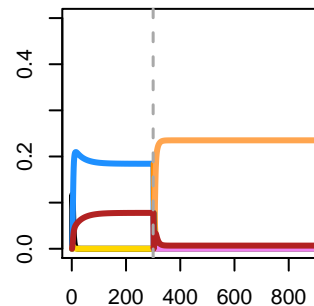
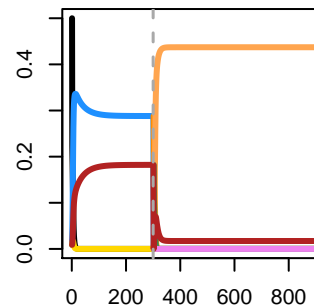
$$\text{011}$$

$$\text{101}$$

LAST LINE INTERVENTION

CARRIER CLASS

NEW DRUG


$$f = 0.38$$

— 101

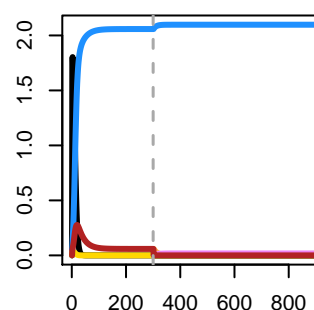
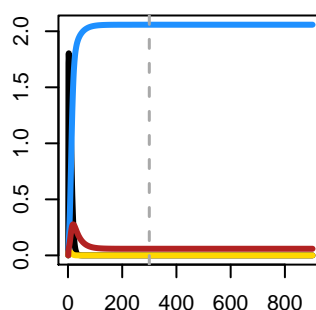
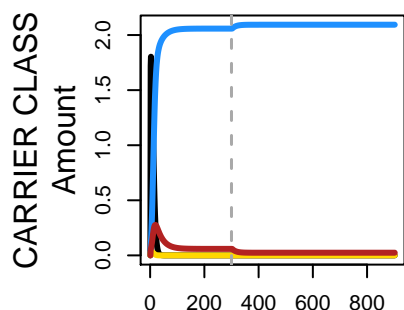
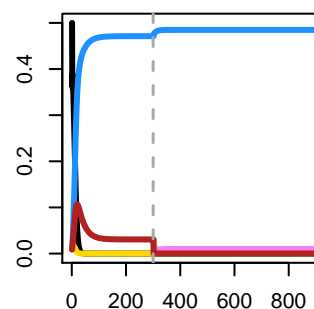
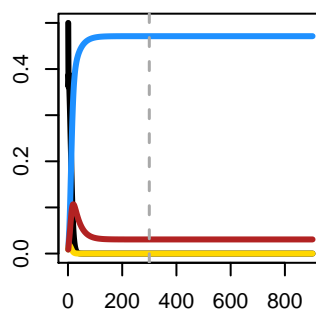
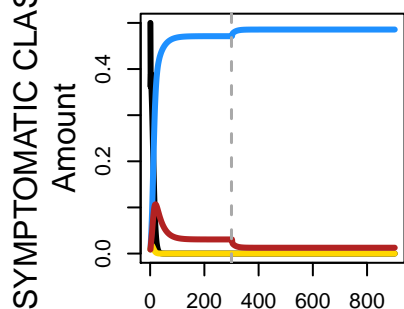
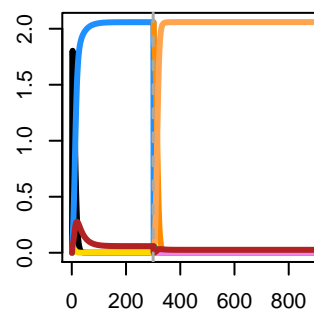
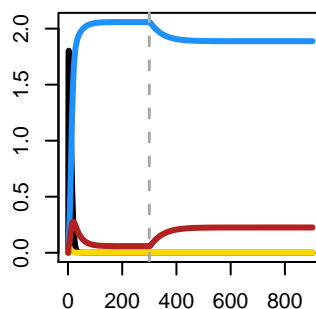
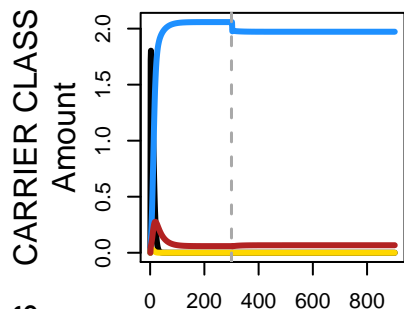
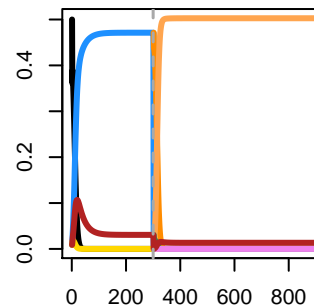
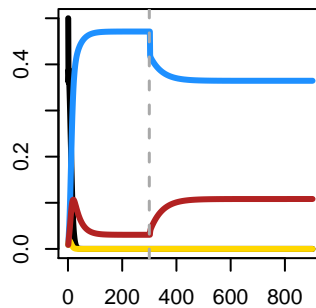
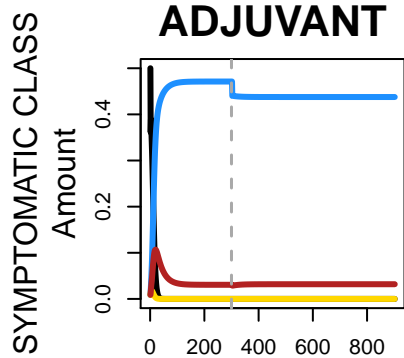
FRONT LINE INTERVENTION

LAST LINE INTERVENTION

ADJUVANT

DIAGNOSTIC

NEW DRUG



$$\beta_w = 2.55$$

$$\beta_b = 0.74$$

$$c = 0.09$$

$$\delta = 1.08$$

$$\gamma = 1.16$$

$$\zeta = 0.99$$

$$\alpha = 4.91$$

$$\varepsilon = 0.59$$

$$\rho = 0.45$$

$$\mu = 0.03$$

$$f = 2.55$$

$$\text{seed} = 24$$

$$\text{draw} = 18$$

$$\text{00 or 000}$$

$$\text{10 or 100}$$

$$\text{01 or 001}$$

$$\text{11 or 111}$$

$$\text{010}$$

$$\text{110}$$

$$\text{011}$$

$$\text{101}$$

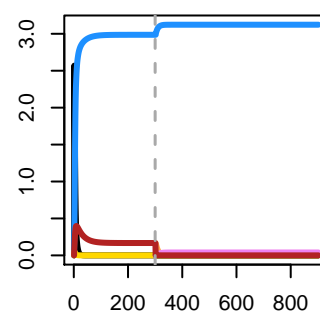
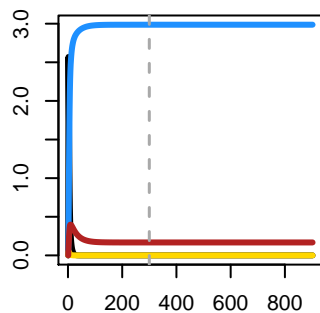
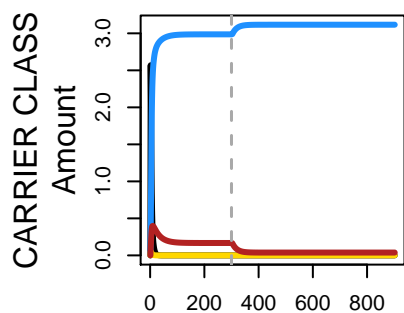
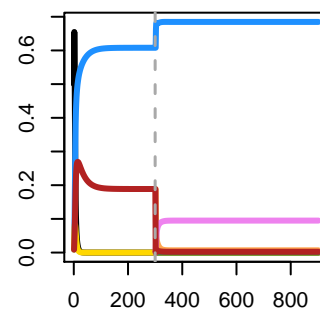
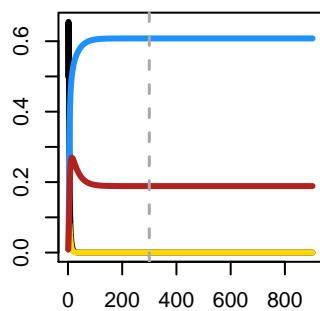
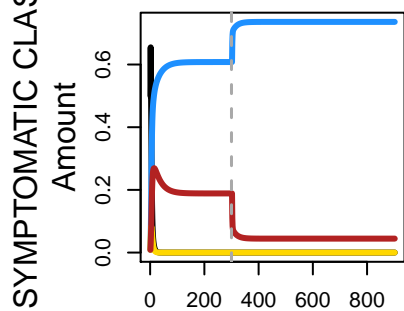
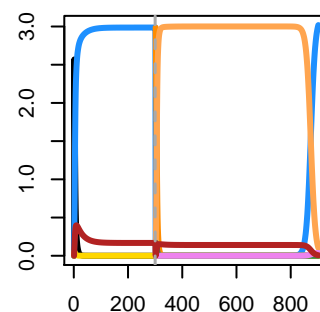
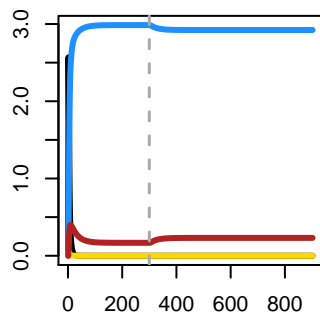
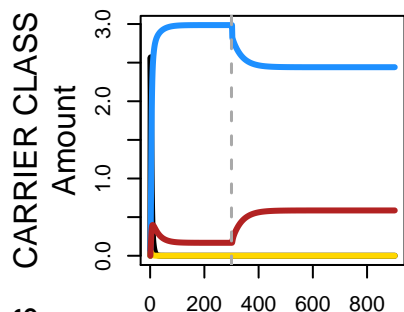
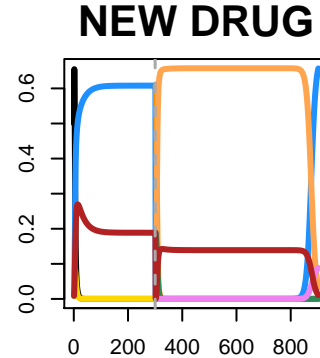
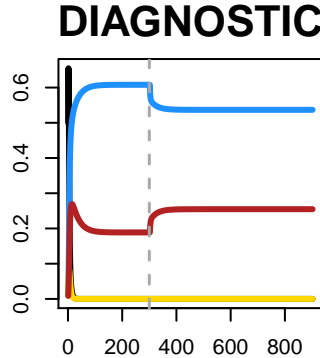
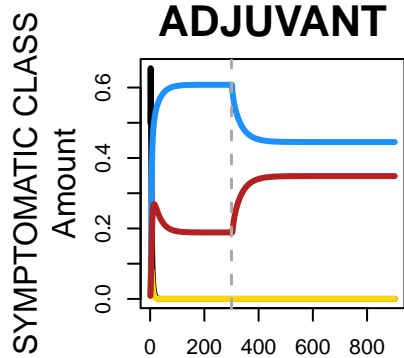
FRONT LINE INTERVENTION

LAST LINE INTERVENTION

ADJUVANT

DIAGNOSTIC

NEW DRUG



$$\beta_w = 4.83$$

$$\beta_b = 1.12$$

$$c = 0.06$$

$$\delta = 0.25$$

$$\gamma = 0.92$$

$$\zeta = 0.97$$

$$\alpha = 10.44$$

$$\varepsilon = 0.88$$

$$\rho = 0.91$$

$$\mu = 0.06$$

$$f = 3.22$$

$$\text{seed} = 34$$

$$\text{draw} = 17$$

$$\text{00 or 000}$$

$$\text{10 or 100}$$

$$\text{01 or 001}$$

$$\text{11 or 111}$$

$$\text{010}$$

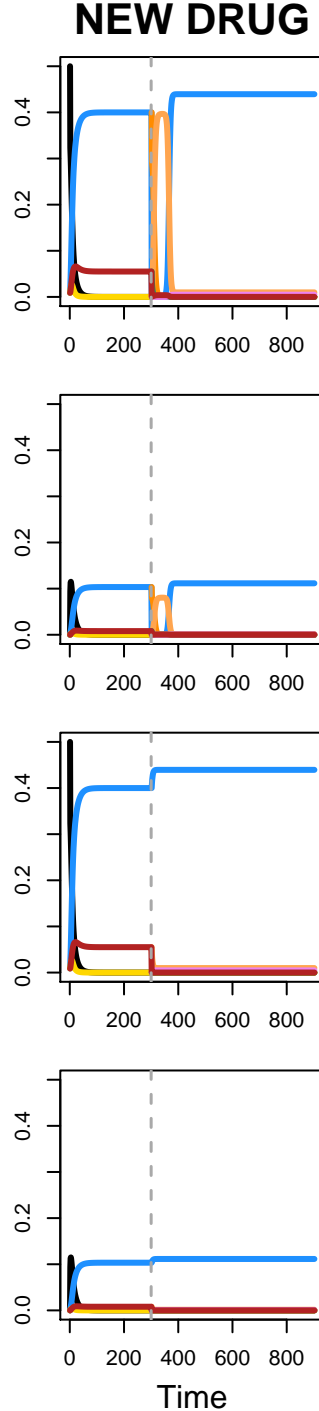
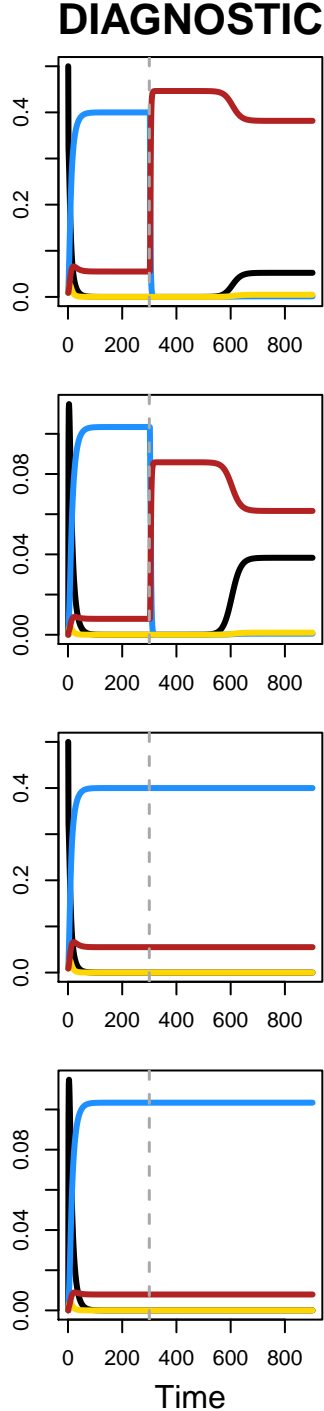
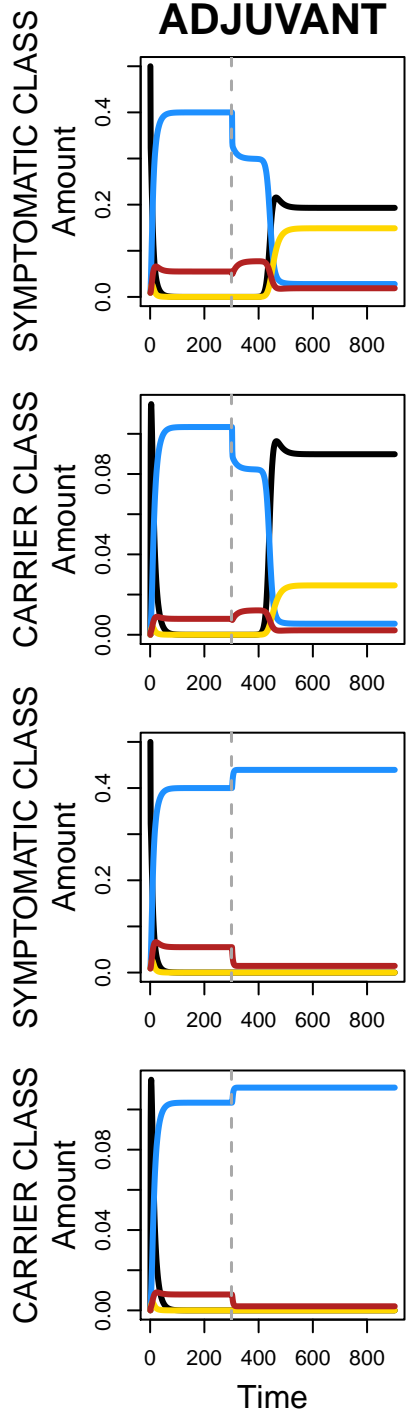
$$\text{110}$$

$$\text{011}$$

$$\text{101}$$

FRONT LINE INTERVENTION

LAST LINE INTERVENTION



$$\beta_w = 4.89$$

$$\beta_b = 1.99$$

$$c = 0.68$$

$$\delta = 0.71$$

$$\gamma = 1.96$$

$$\zeta = 0.84$$

$$\alpha = 2.32$$

$$\varepsilon = 0.69$$

$$\rho = 0.3$$

$$\mu = 0.04$$

$$f = 0.22$$

$$\text{seed} = 44$$

$$\text{draw} = 18$$

$$\text{00 or 000}$$

$$\text{10 or 100}$$

$$\text{01 or 001}$$

$$\text{11 or 111}$$

$$\text{010}$$

$$\text{110}$$

$$\text{011}$$

$$\text{101}$$

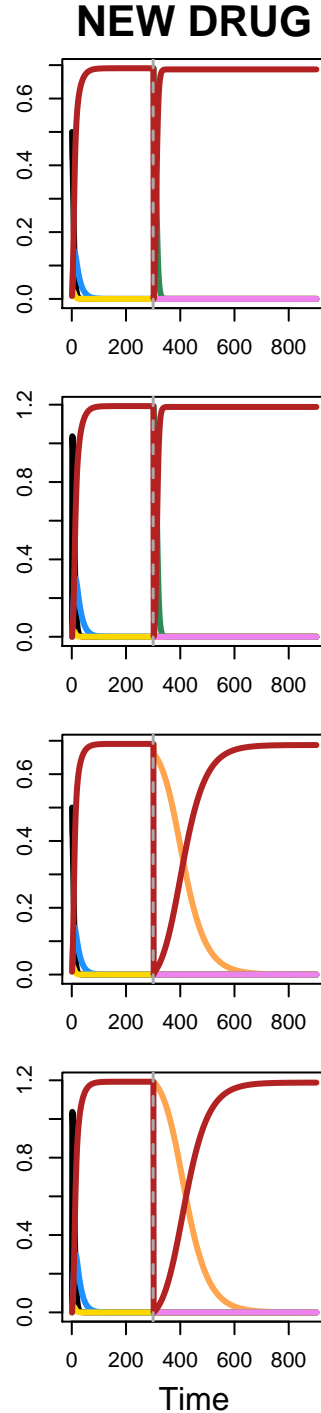
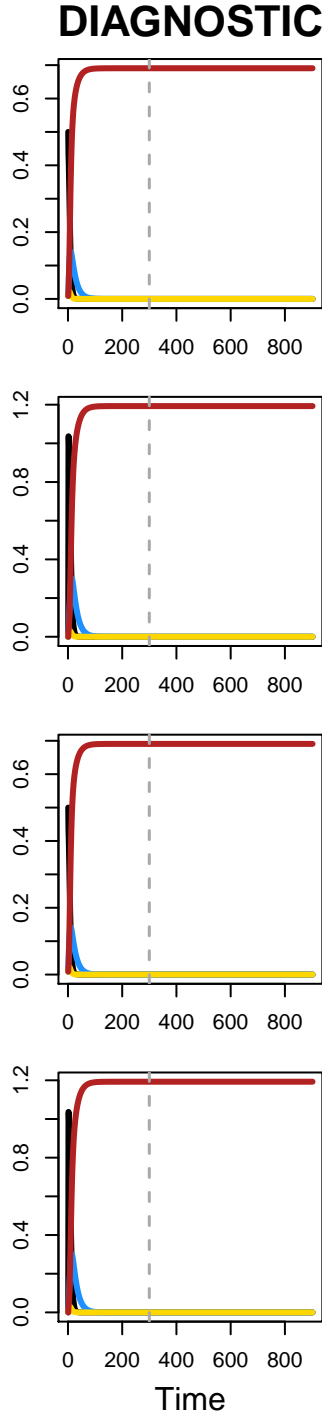
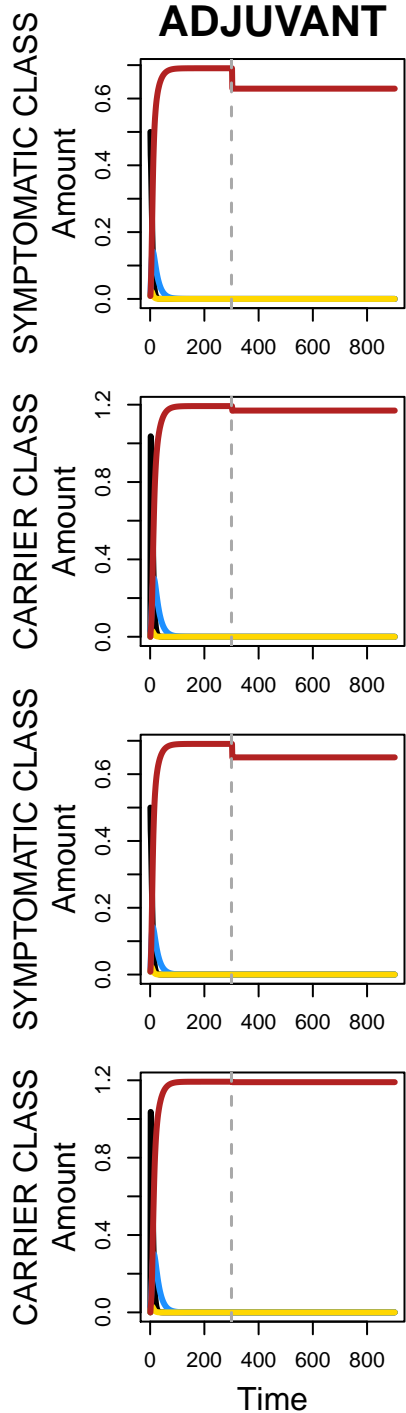
FRONT LINE INTERVENTION

LAST LINE INTERVENTION

ADJUVANT

DIAGNOSTIC

NEW DRUG



$$\beta_w = 4.56$$

$$\beta_b = 1.19$$

$$c = 0.02$$

$$\delta = 1.52$$

$$\gamma = 1.56$$

$$\zeta = 0.48$$

$$\alpha = 1.68$$

$$\varepsilon = 0.84$$

$$\rho = 0.18$$

$$\mu = 0.04$$

$$f = 1.49$$

$$\text{seed} = 24$$

$$\text{draw} = 13$$

$$\text{00 or 000}$$

$$\text{10 or 100}$$

$$\text{01 or 001}$$

$$\text{11 or 111}$$

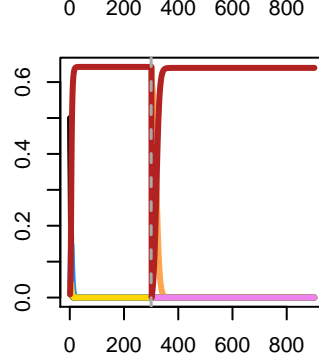
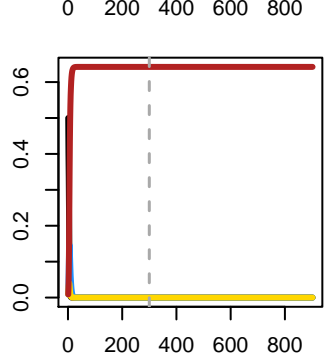
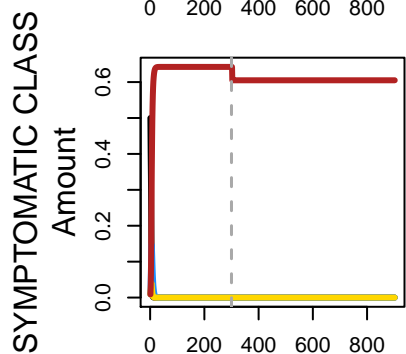
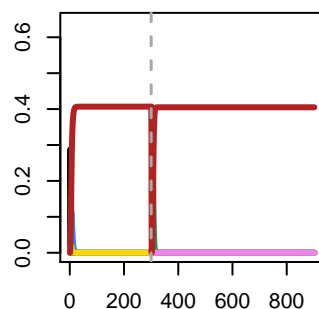
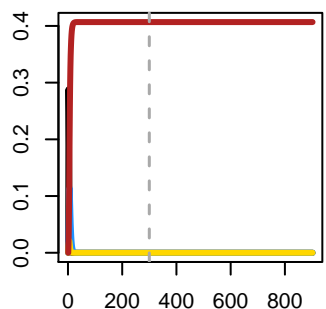
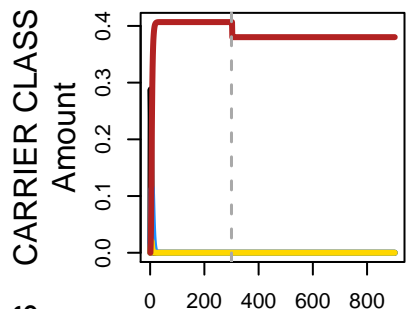
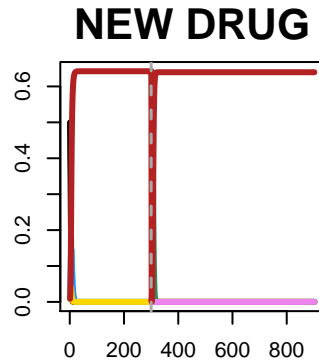
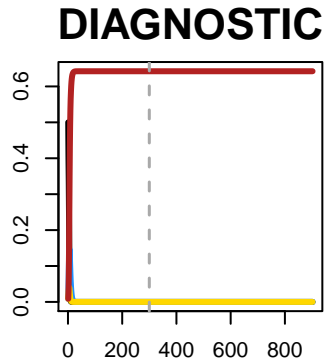
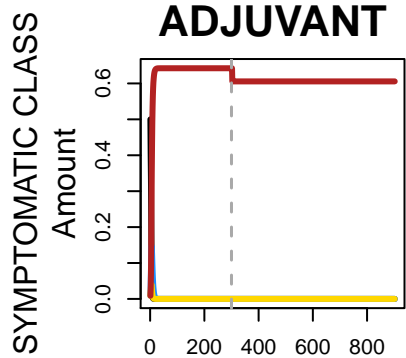
$$\text{010}$$

$$\text{110}$$

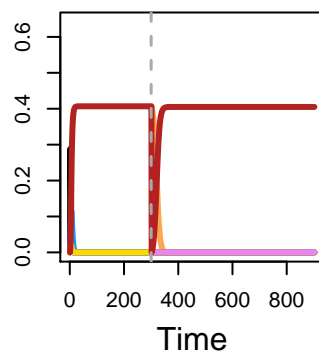
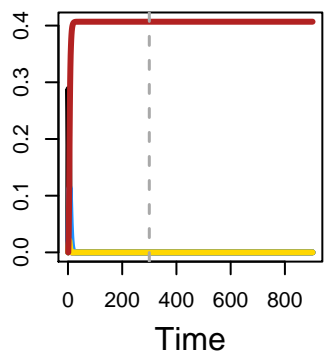
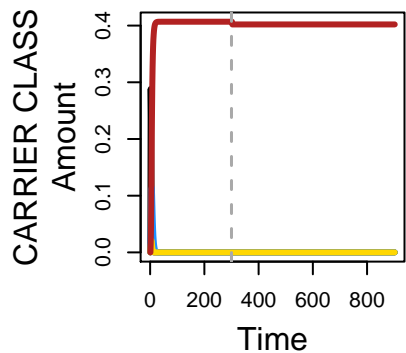
$$\text{011}$$

$$\text{101}$$

FRONT LINE INTERVENTION



LAST LINE INTERVENTION



$$\beta_w = 4.87$$

$$\beta_b = 4.51$$

$$c = 0.02$$

$$\delta = 1.97$$

$$\gamma = 1.48$$

$$\zeta = 0.75$$

$$\alpha = 3.82$$

$$\varepsilon = 0.65$$

$$\rho = 0.58$$

$$\mu = 0.05$$

$$f = 0.57$$

$$\text{seed} = 34$$

$$\text{draw} = 15$$

$$\text{—} 00 \text{ or } 000$$

$$\text{—} 10 \text{ or } 100$$

$$\text{—} 01 \text{ or } 001$$

$$\text{—} 11 \text{ or } 111$$

$$\text{—} 010$$

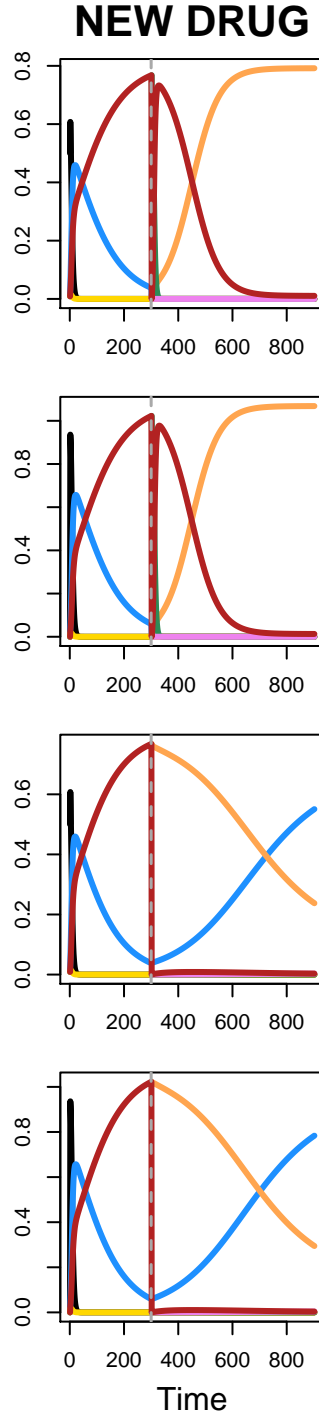
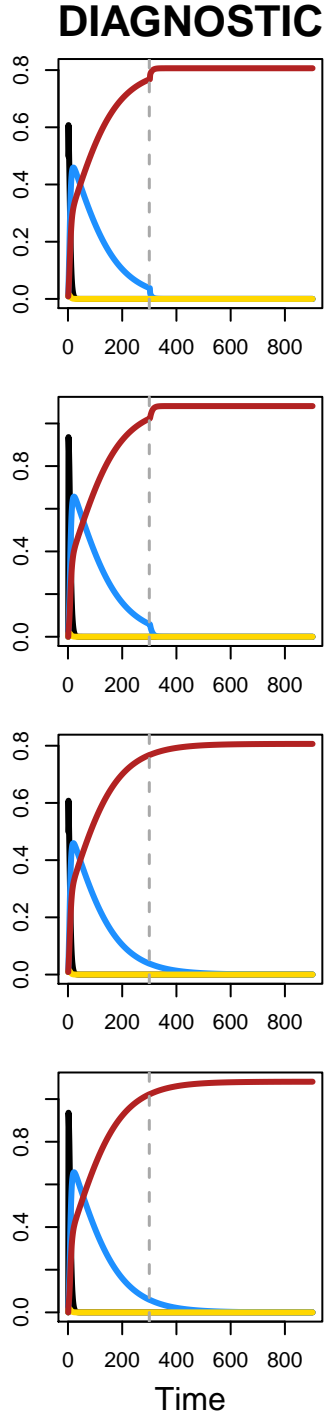
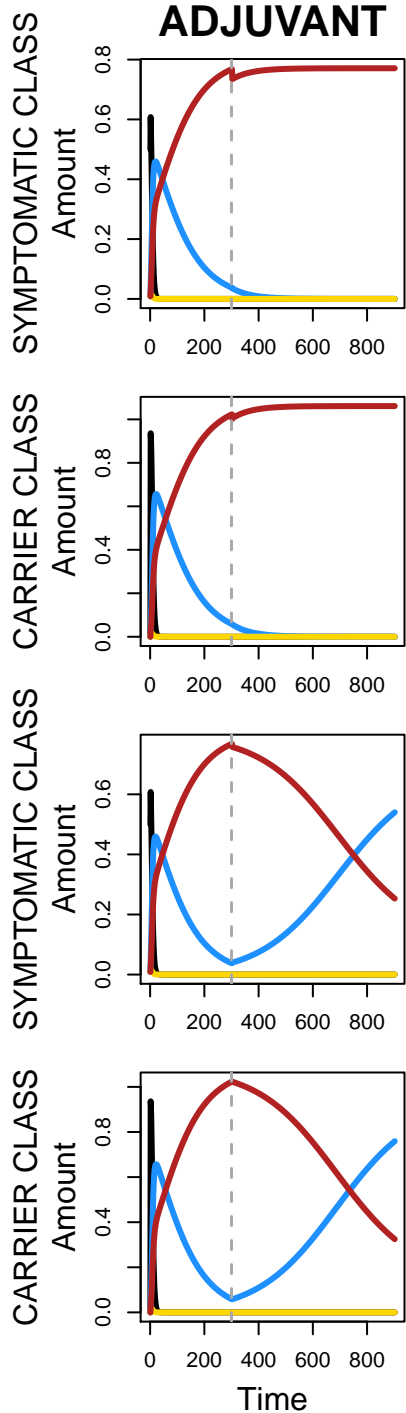
$$\text{—} 110$$

$$\text{—} 011$$

$$\text{—} 101$$

FRONT LINE INTERVENTION

LAST LINE INTERVENTION



$$\beta_w = 3.73$$

$$\beta_b = 3.36$$

$$c = 0.03$$

$$\delta = 0.64$$

$$\gamma = 1.2$$

$$\zeta = 0.9$$

$$\alpha = 0.49$$

$$\varepsilon = 0.42$$

$$\rho = 0.39$$

$$\mu = 0.03$$

$$f = 1.19$$

$$\text{seed} = 24$$

$$\text{draw} = 24$$

$$\text{00 or 000}$$

$$\text{10 or 100}$$

$$\text{01 or 001}$$

$$\text{11 or 111}$$

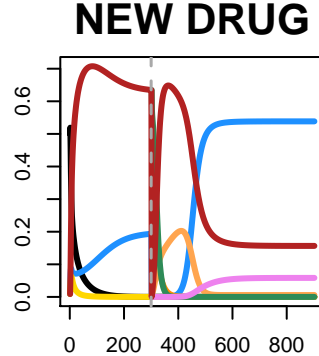
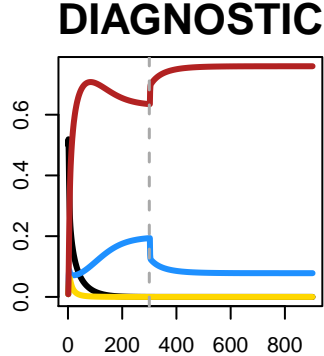
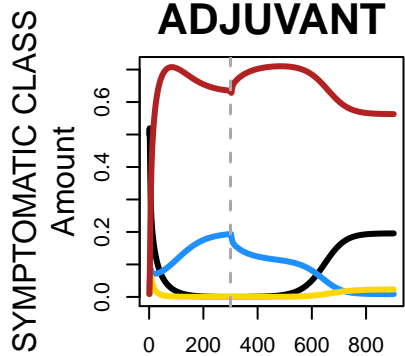
$$\text{010}$$

$$\text{110}$$

$$\text{011}$$

$$\text{101}$$

FRONT LINE INTERVENTION



$$\beta_w = 3.17$$

$$\beta_b = 1.9$$

$$c = 0.06$$

$$\delta = 0.1$$

$$\gamma = 1.99$$

$$\zeta = 0.67$$

$$\alpha = 3.69$$

$$\varepsilon = 0.37$$

$$\rho = 0.54$$

$$\mu = 0.03$$

$$f = 1.57$$

$$\text{seed} = 34$$

$$\text{draw} = 4$$

$$\text{00 or 000}$$

$$\text{10 or 100}$$

$$\text{01 or 001}$$

$$\text{11 or 111}$$

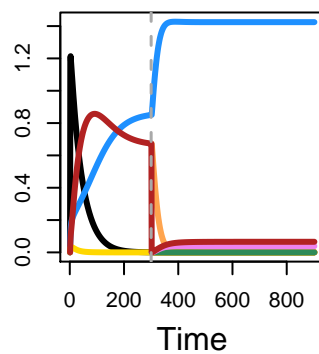
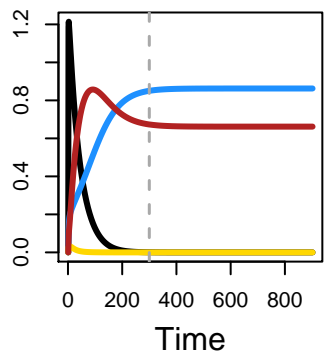
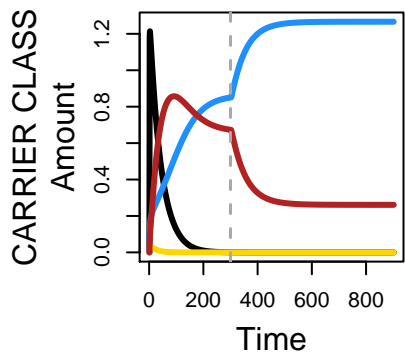
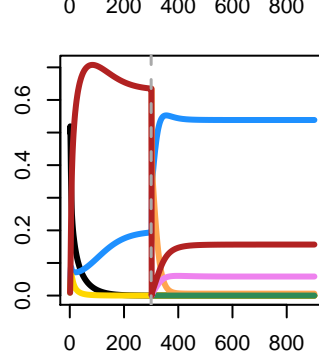
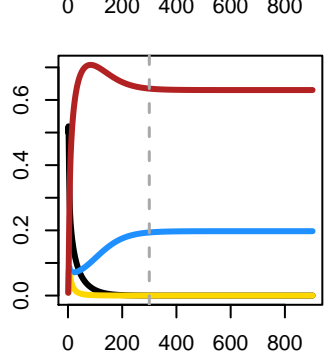
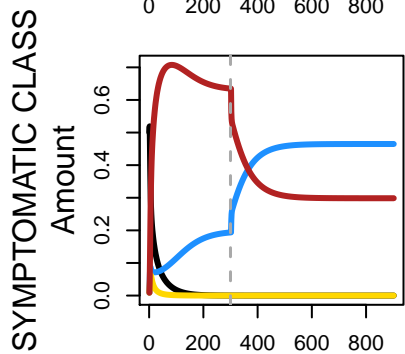
$$\text{010}$$

$$\text{110}$$

$$\text{011}$$

$$\text{101}$$

LAST LINE INTERVENTION



Time

Time

Time

FRONT LINE INTERVENTION

LAST LINE INTERVENTION

SYMPTOMATIC CLASS

CARRIER CLASS

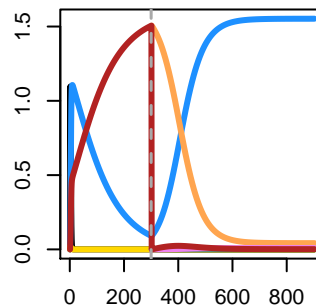
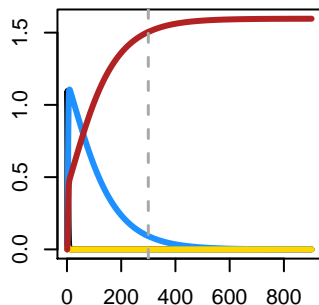
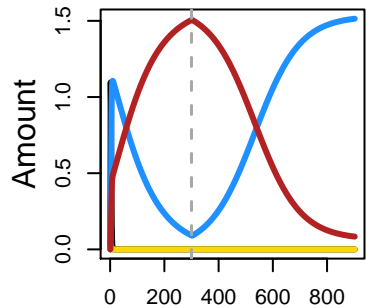
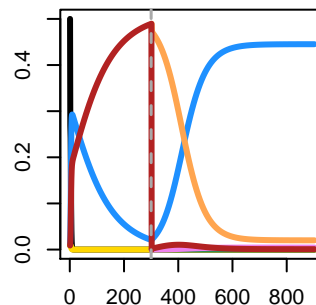
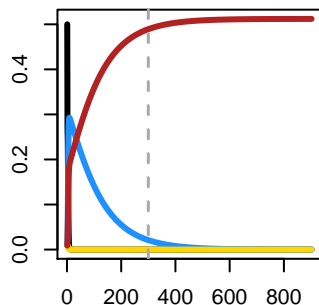
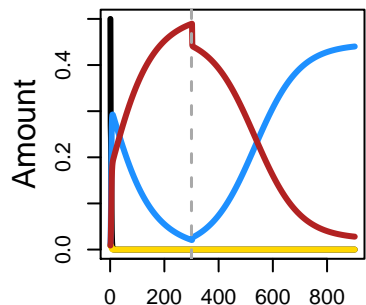
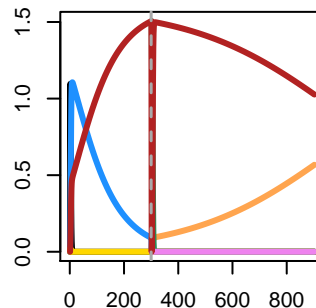
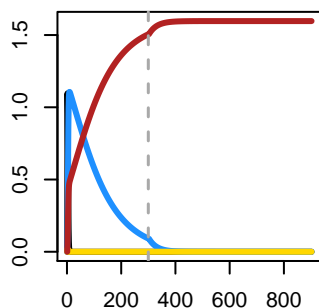
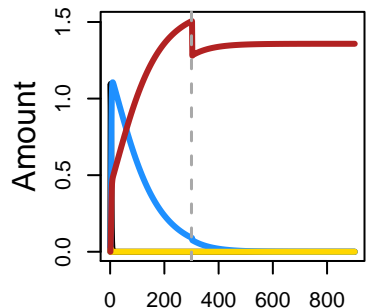
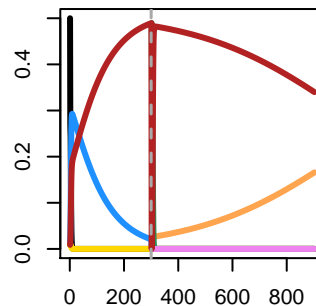
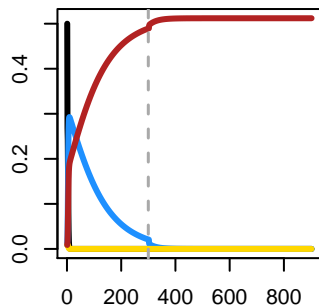
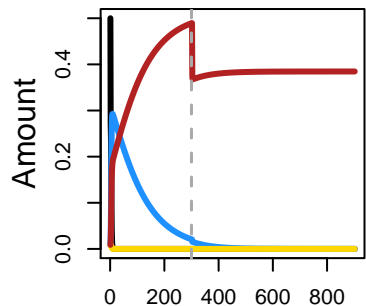
SYMPTOMATIC CLASS

CARRIER CLASS

ADJUVANT

DIAGNOSTIC

NEW DRUG



$$\beta_w = 3.94$$

$$\beta_b = 0.5$$

$$c = 0.01$$

$$\delta = 1.93$$

$$\gamma = 1.26$$

$$\zeta = 0.72$$

$$\alpha = 1.39$$

$$\varepsilon = 1.25$$

$$\rho = 0.85$$

$$\mu = 0.04$$

$$f = 2.07$$

$$\text{seed} = 34$$

$$\text{draw} = 18$$

$$\text{00 or 000}$$

$$\text{10 or 100}$$

$$\text{01 or 001}$$

$$\text{11 or 111}$$

$$\text{010}$$

$$\text{110}$$

$$\text{011}$$

$$\text{101}$$

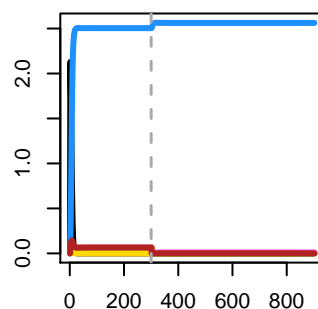
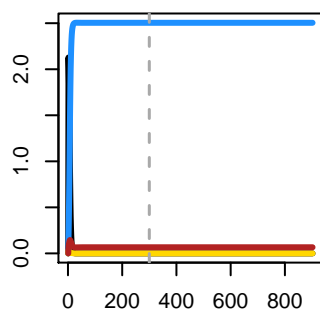
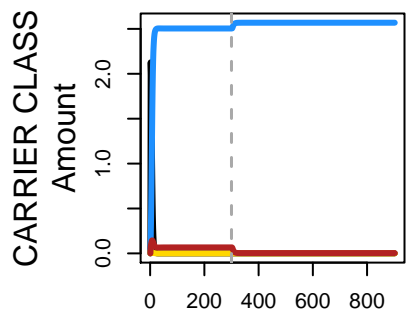
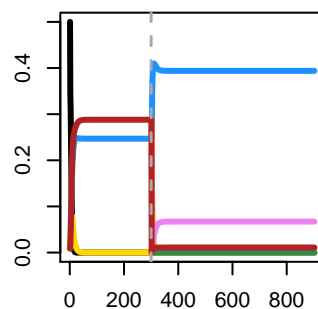
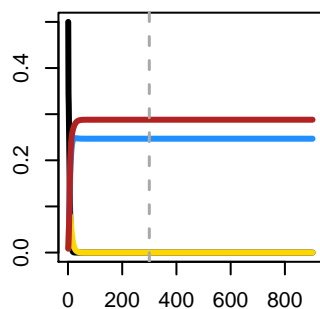
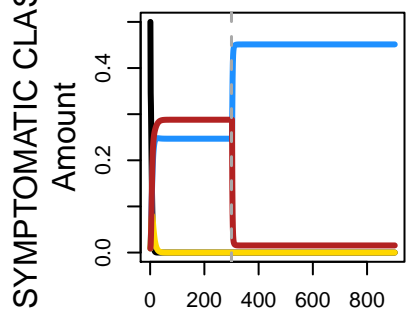
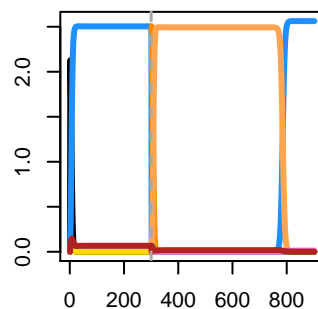
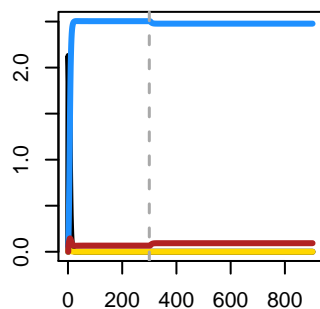
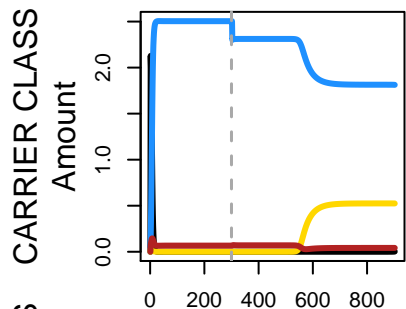
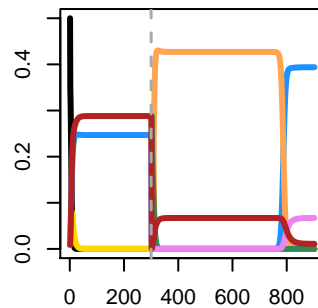
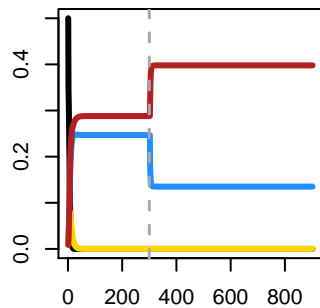
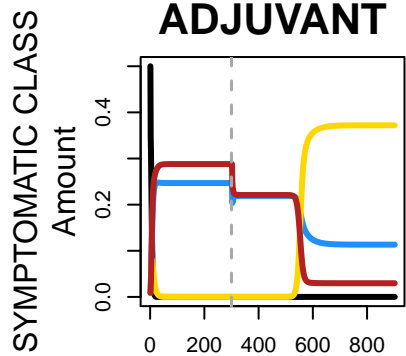
FRONT LINE INTERVENTION

LAST LINE INTERVENTION

ADJUVANT

DIAGNOSTIC

NEW DRUG



Time

Time

Time

$$\beta_w = 3.78$$

$$\beta_b = 0.15$$

$$c = 0.23$$

$$\delta = 1.13$$

$$\gamma = 1.47$$

$$\zeta = 0.2$$

$$\alpha = 4.74$$

$$\varepsilon = 1.37$$

$$\rho = 0.69$$

$$\mu = 0.04$$

$$f = 2.93$$

$$\text{seed} = 54$$

$$\text{draw} = 4$$

$$\text{00 or 000}$$

$$\text{10 or 100}$$

$$\text{01 or 001}$$

$$\text{11 or 111}$$

$$\text{010}$$

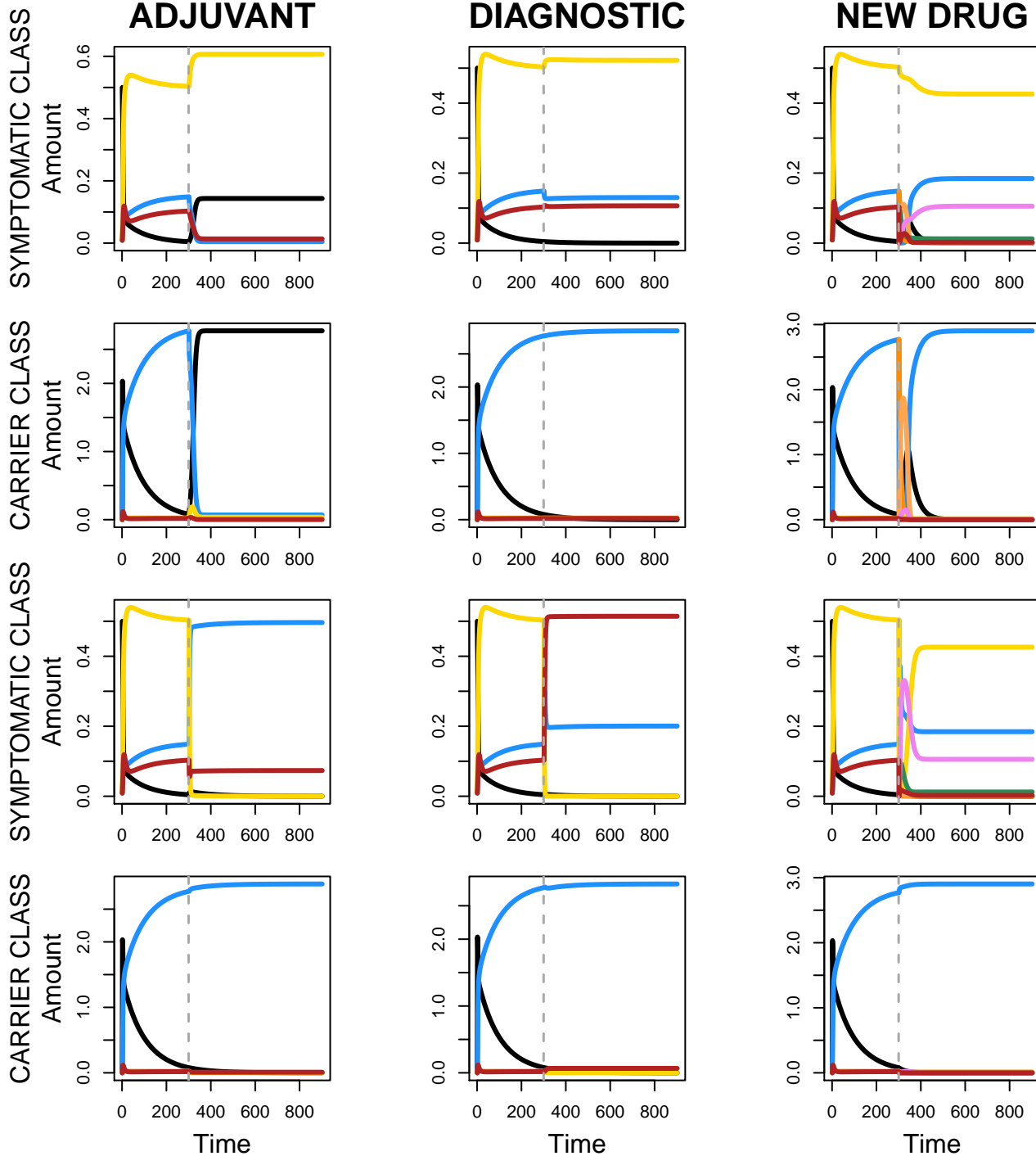
$$\text{110}$$

$$\text{011}$$

$$\text{101}$$

FRONT LINE INTERVENTION

LAST LINE INTERVENTION



$$\beta_w = 2.31$$

$$\beta_b = 0.22$$

$$c = 0.19$$

$$\delta = 0.07$$

$$\gamma = 1.12$$

$$\zeta = 0.23$$

$$\alpha = 10.25$$

$$\varepsilon = 0.91$$

$$\rho = 0.8$$

$$\mu = 0.09$$

$$f = 3.01$$

$$\text{seed} = 34$$

$$\text{draw} = 10$$

$$\text{00 or 000}$$

$$\text{10 or 100}$$

$$\text{01 or 001}$$

$$\text{11 or 111}$$

$$\text{010}$$

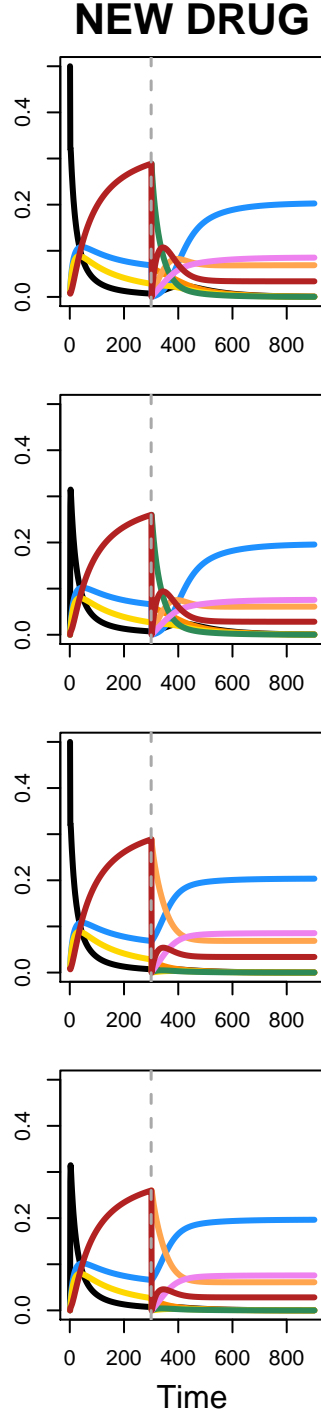
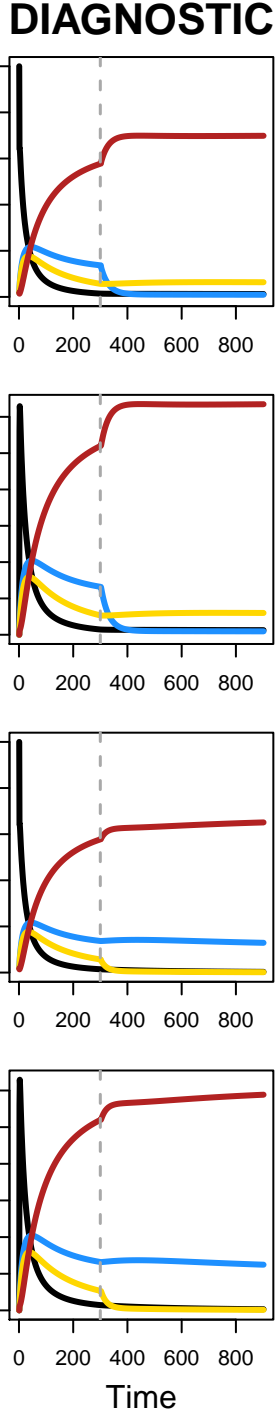
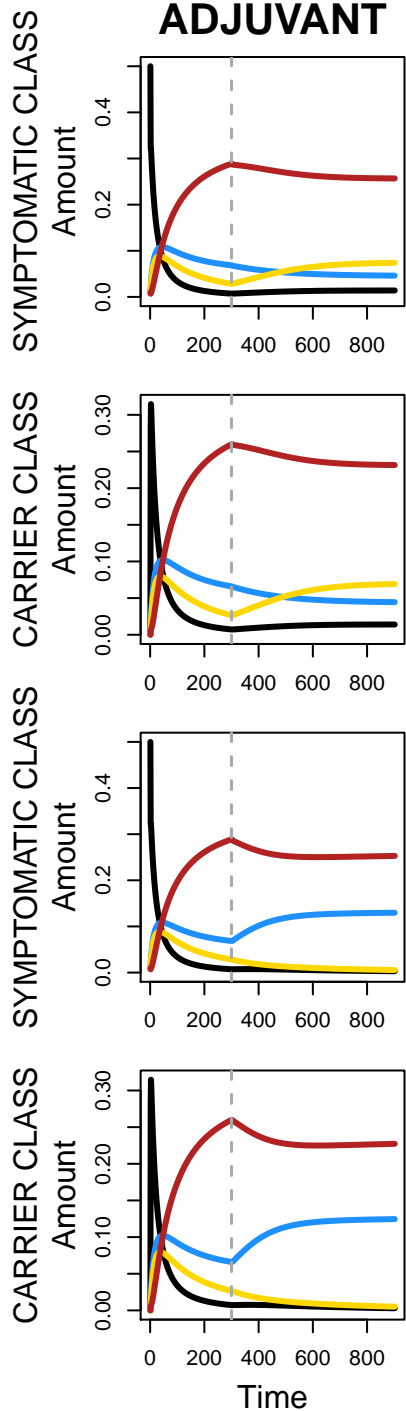
$$\text{110}$$

$$\text{011}$$

$$\text{101}$$

FRONT LINE INTERVENTION

LAST LINE INTERVENTION



$$\beta_w = 2.99$$

$$\beta_b = 1.47$$

$$c = 0.05$$

$$\delta = 1.95$$

$$\gamma = 0.08$$

$$\zeta = 0.59$$

$$\alpha = 3.07$$

$$\varepsilon = 0.03$$

$$\rho = 0.12$$

$$\mu = 0.1$$

$$f = 0.8$$

$$\text{seed} = 44$$

$$\text{draw} = 33$$

$$\text{00 or 000}$$

$$\text{10 or 100}$$

$$\text{01 or 001}$$

$$\text{11 or 111}$$

$$\text{010}$$

$$\text{110}$$

$$\text{011}$$

$$\text{101}$$

FRONT LINE INTERVENTION

LAST LINE INTERVENTION

ADJUVANT

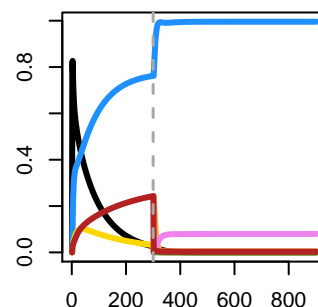
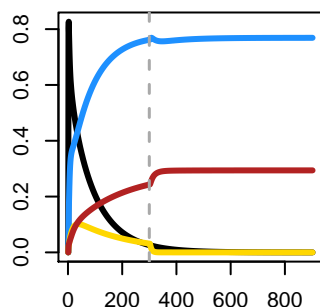
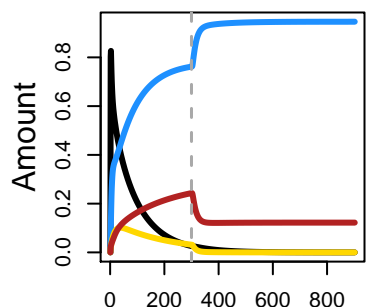
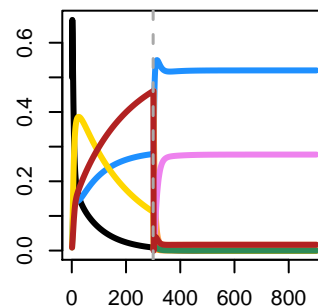
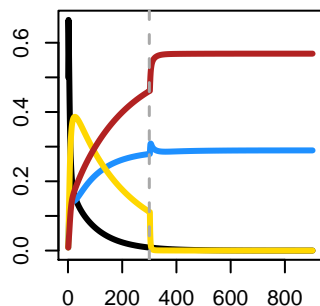
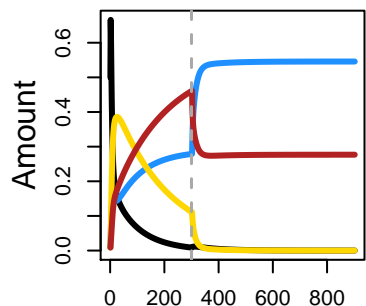
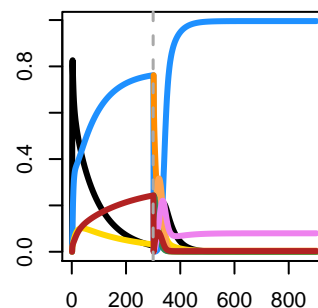
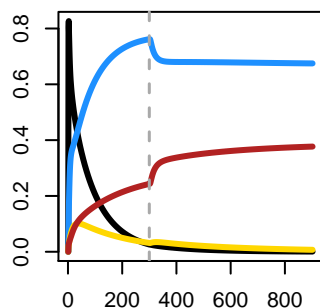
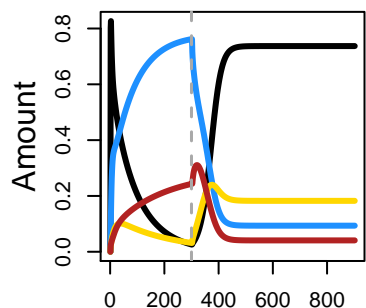
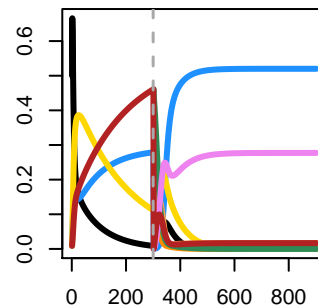
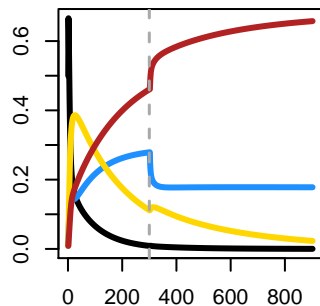
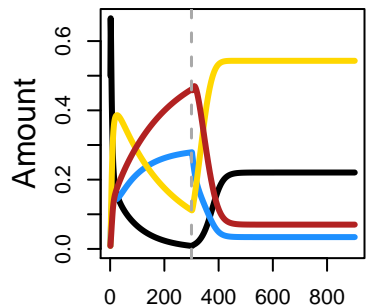
DIAGNOSTIC

NEW DRUG

SYMPTOMATIC CLASS

CARRIER CLASS

Amount



$$\beta_w = 2.81$$

$$\beta_b = 1.39$$

$$c = 0.15$$

$$\delta = 0.08$$

$$\gamma = 0.7$$

$$\zeta = 0.13$$

$$\alpha = 2.95$$

$$\varepsilon = 0.22$$

$$\rho = 0.75$$

$$\mu = 0.07$$

$$f = 1.13$$

$$\text{seed} = 44$$

$$\text{draw} = 27$$

$$\text{00 or 000}$$

$$\text{10 or 100}$$

$$\text{01 or 001}$$

$$\text{11 or 111}$$

$$\text{010}$$

$$\text{110}$$

$$\text{011}$$

$$\text{101}$$

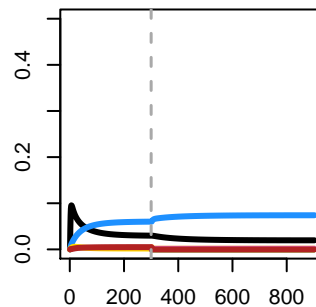
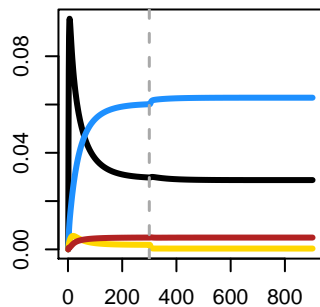
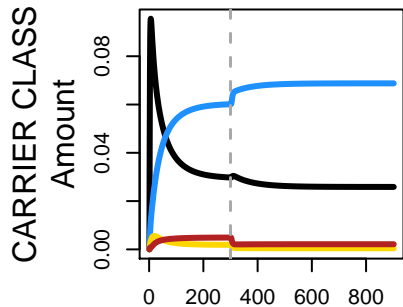
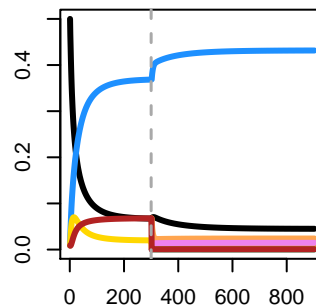
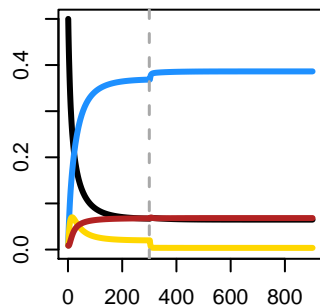
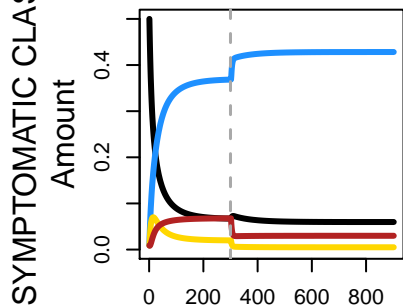
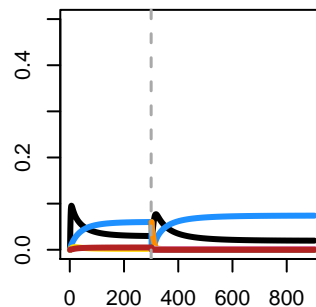
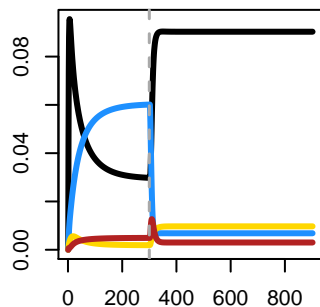
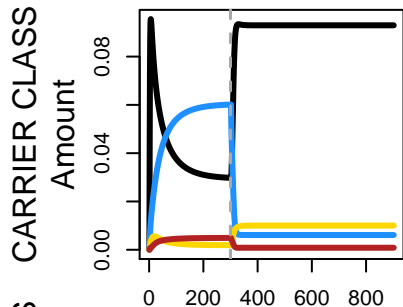
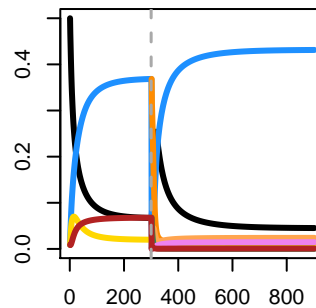
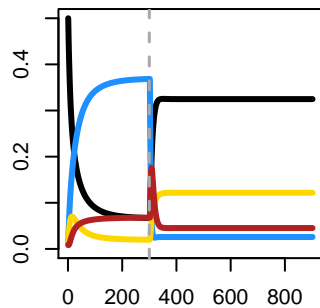
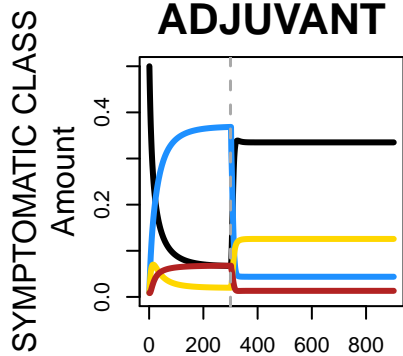
FRONT LINE INTERVENTION

LAST LINE INTERVENTION

ADJUVANT

DIAGNOSTIC

NEW DRUG



$$\beta_w = 4.98$$

$$\beta_b = 0.35$$

$$c = 0.47$$

$$\delta = 0.78$$

$$\gamma = 0.78$$

$$\zeta = 0.82$$

$$\alpha = 1.92$$

$$\varepsilon = 0.5$$

$$\rho = 0.43$$

$$\mu = 0.07$$

$$f = 0.27$$

$$\text{seed} = 64$$

$$\text{draw} = 19$$

$$\text{—} 00 \text{ or } 000$$

$$\text{—} 10 \text{ or } 100$$

$$\text{—} 01 \text{ or } 001$$

$$\text{—} 11 \text{ or } 111$$

$$\text{—} 010$$

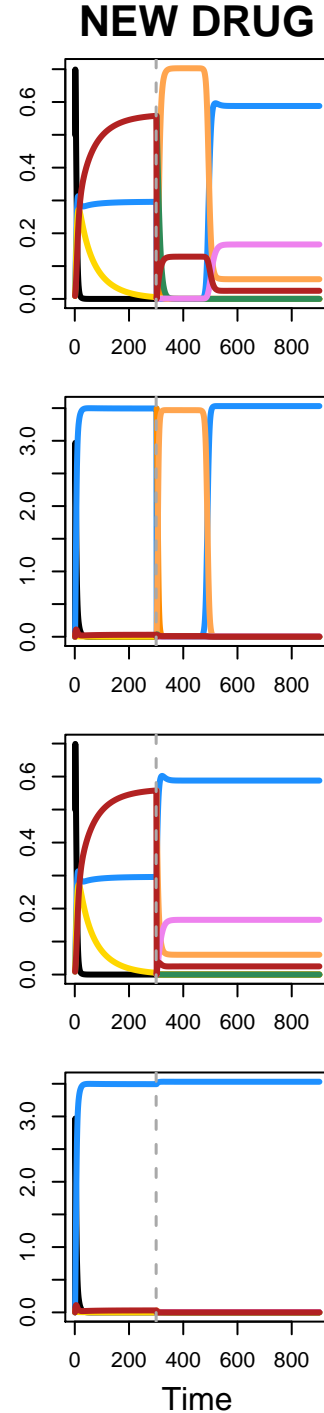
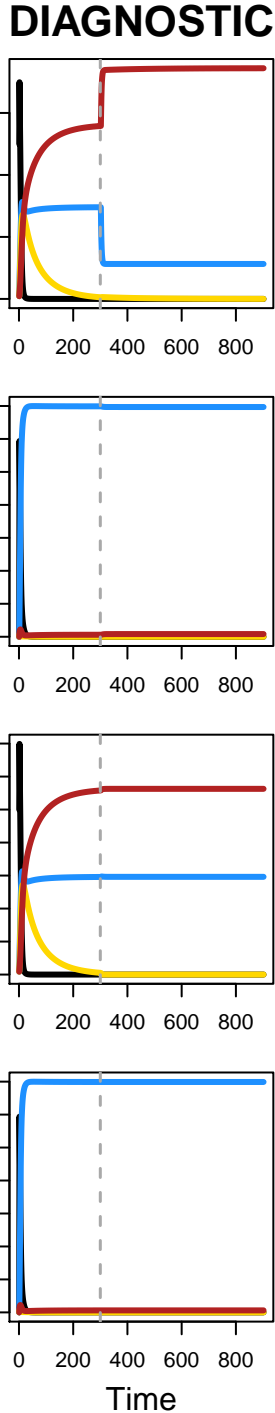
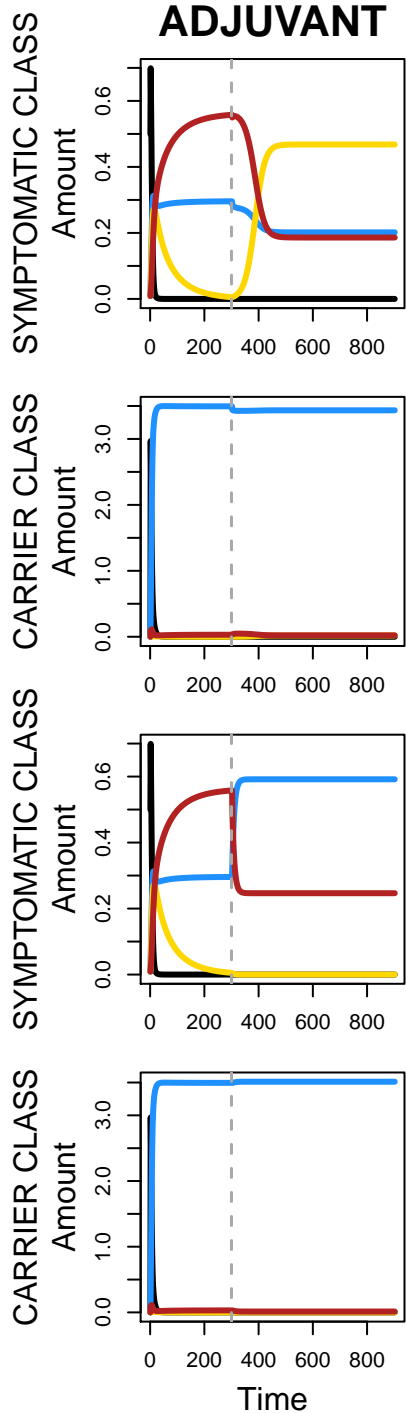
$$\text{—} 110$$

$$\text{—} 011$$

$$\text{—} 101$$

FRONT LINE INTERVENTION

LAST LINE INTERVENTION



$$\beta_w = 4.74$$

$$\beta_b = 0.14$$

$$c = 0.21$$

$$\delta = 0.18$$

$$\gamma = 0.74$$

$$\zeta = 0.08$$

$$\alpha = 1.39$$

$$\varepsilon = 0.26$$

$$\rho = 0.95$$

$$\mu = 0.07$$

$$f = 3.61$$

$$\text{seed} = 84$$

$$\text{draw} = 2$$

$$\text{00 or 000}$$

$$\text{10 or 100}$$

$$\text{01 or 001}$$

$$\text{11 or 111}$$

$$\text{010}$$

$$\text{110}$$

$$\text{011}$$

$$\text{101}$$