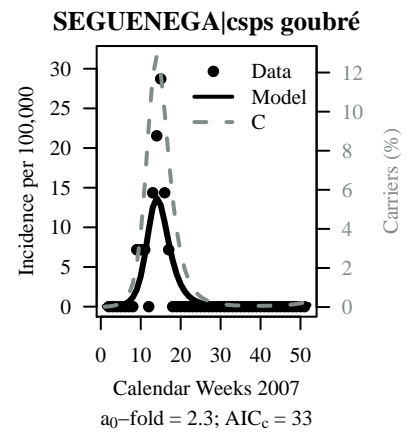
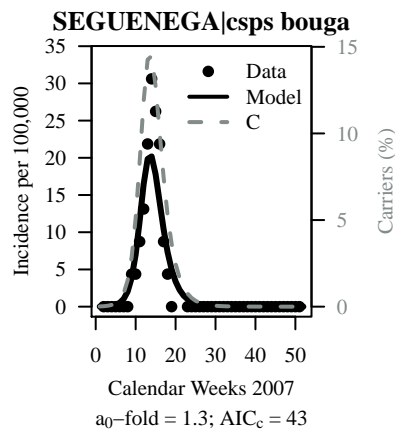
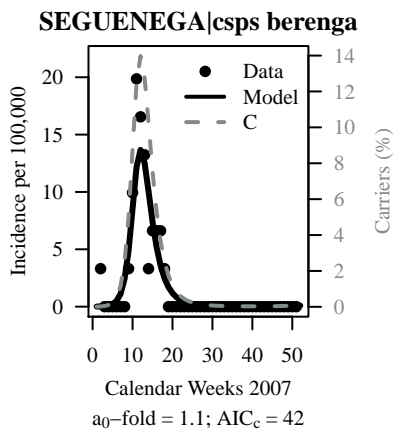
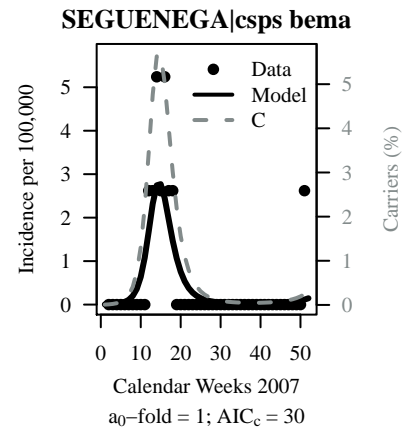
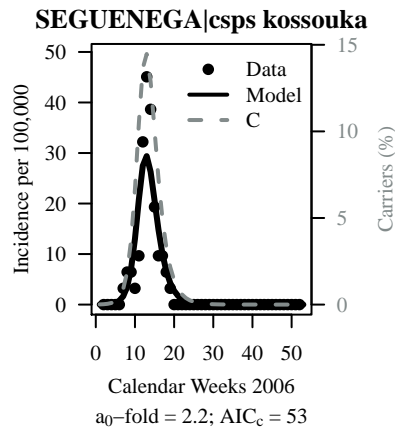
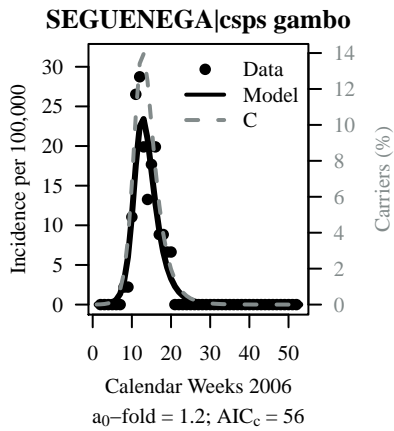
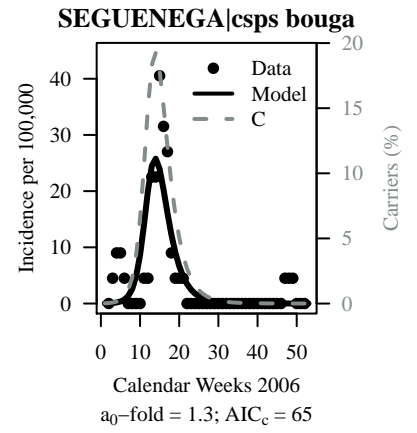
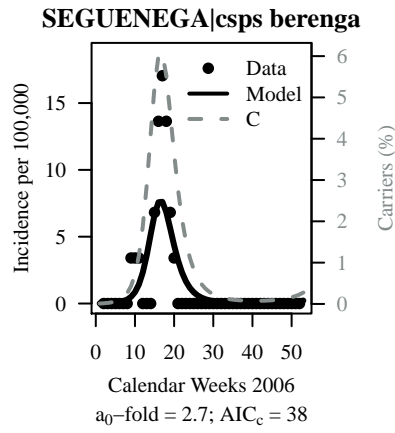
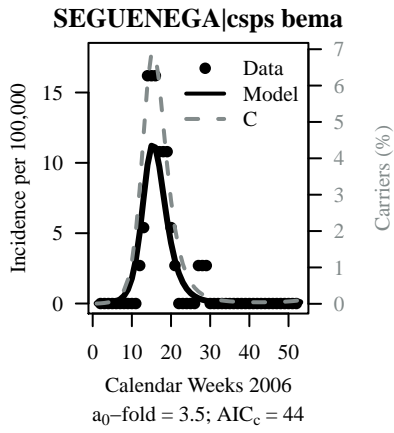
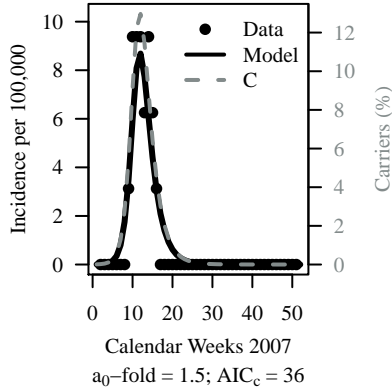


Results of model estimations using a poisson maximum likelihood approach.

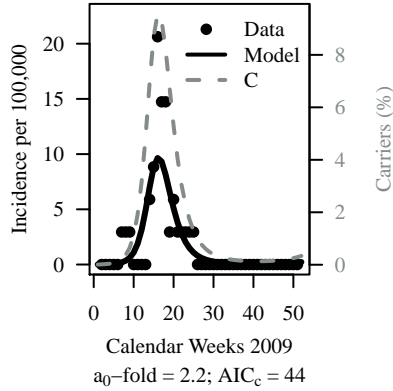
Figure 1. Model1-"inv" trajectories matching plots of simulated and observed (weekly) data, for 64 health center-years with complete data, across four health districts of Burkina faso (2004–2010).



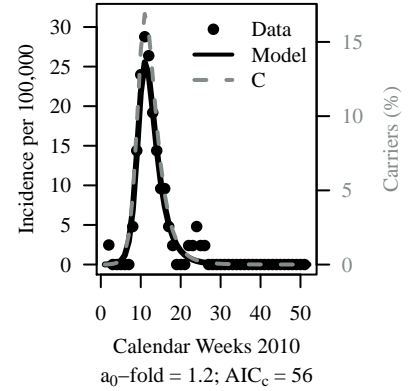
SEGUENEGA|csps kossouka



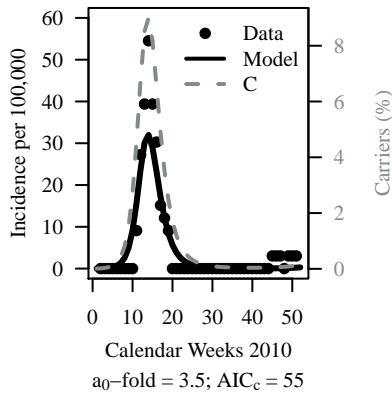
SEGUENEGA|csps kossouka



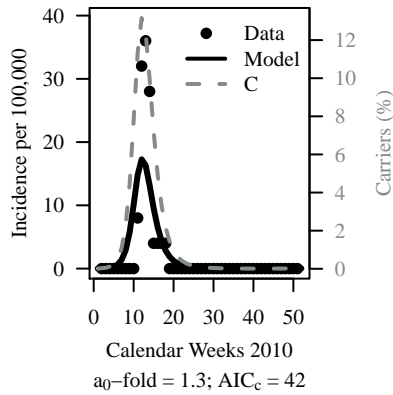
SEGUENEGA|csps bema



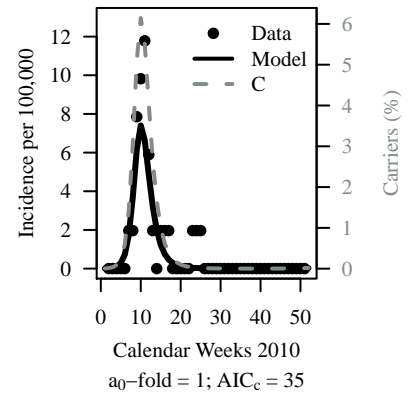
SEGUENEGA|csps berenga



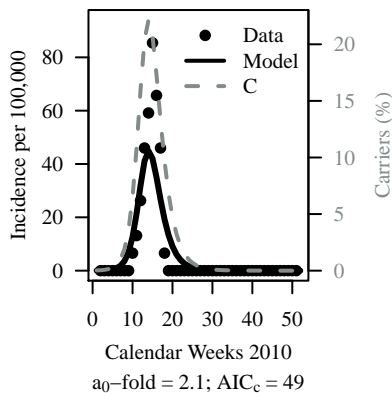
SEGUENEGA|csps bouga



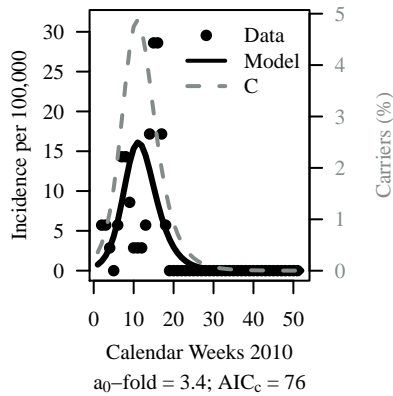
SEGUENEGA|csps gambo



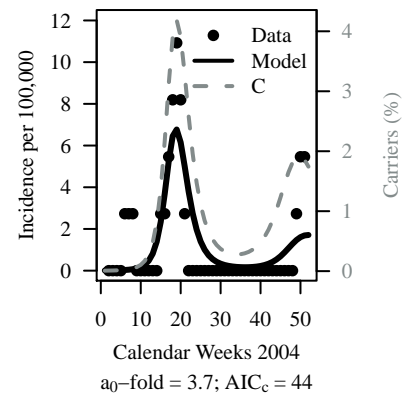
SEGUENEGA|csps goubéré

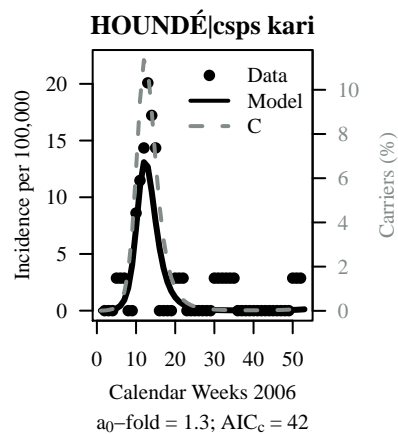
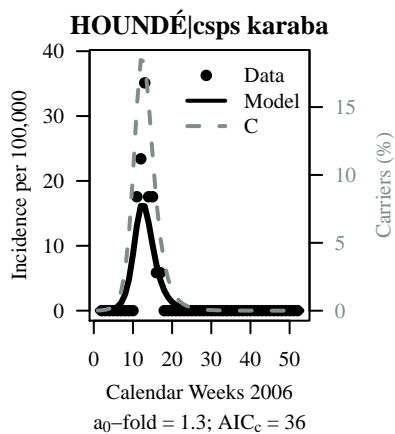
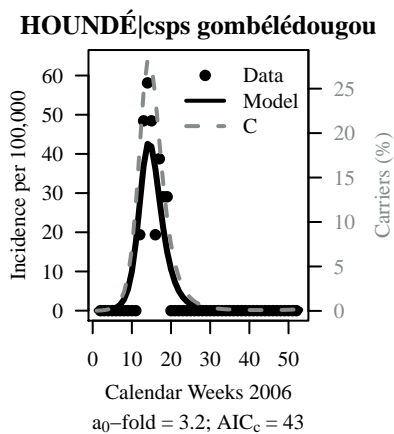
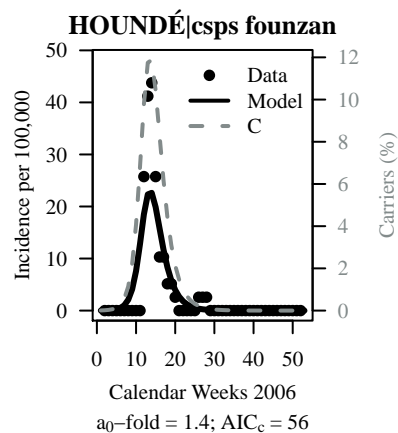
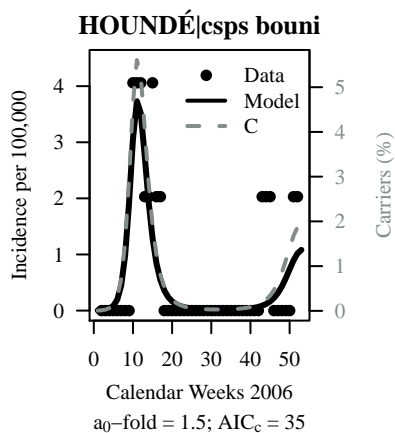
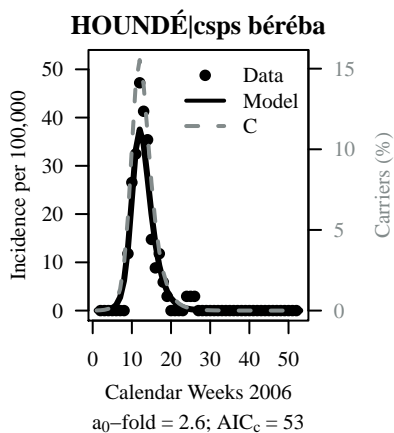
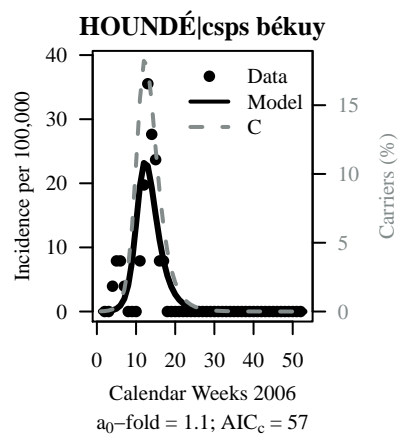
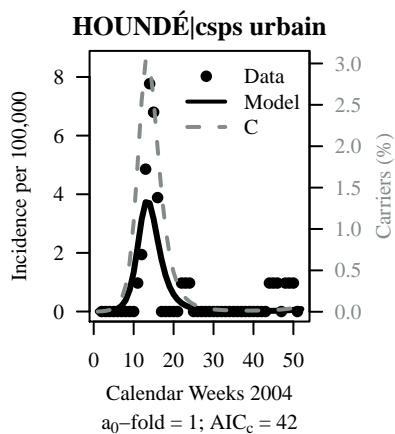
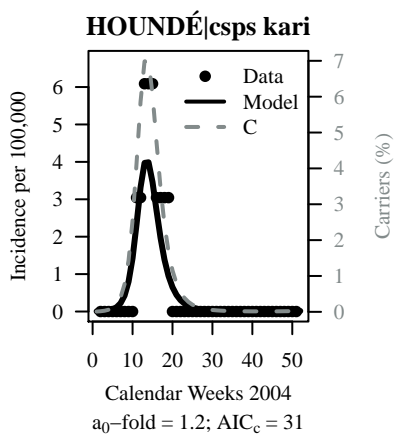


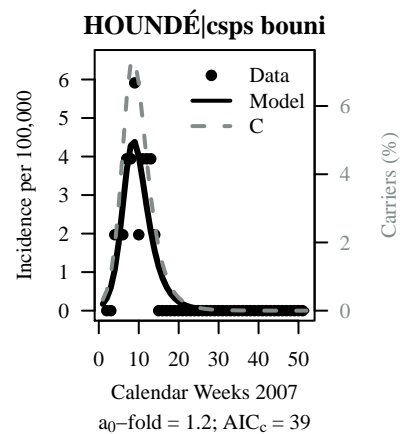
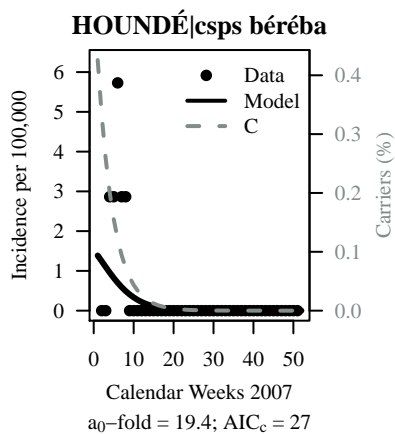
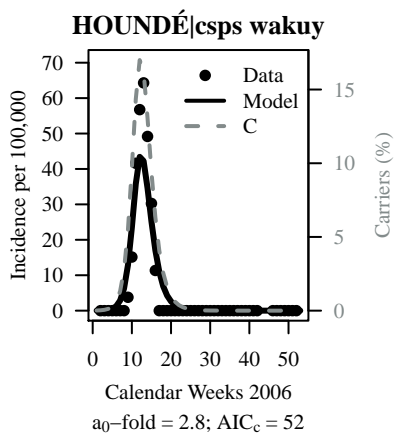
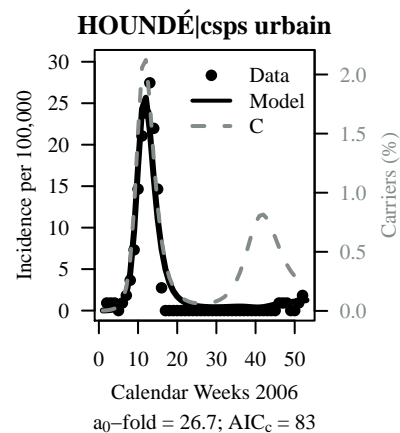
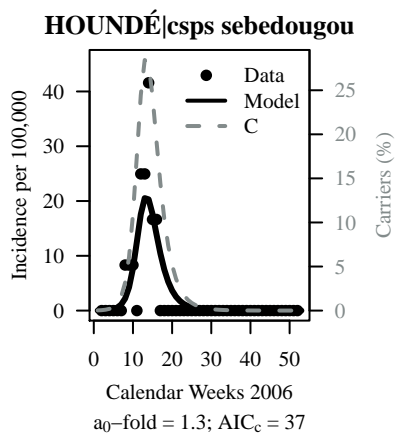
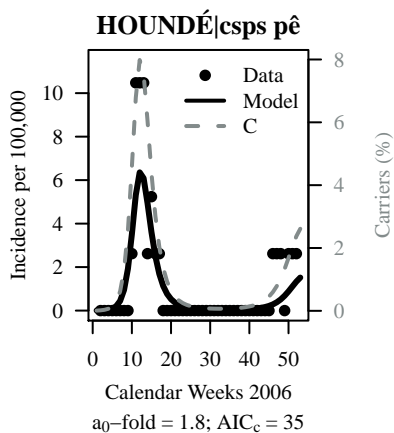
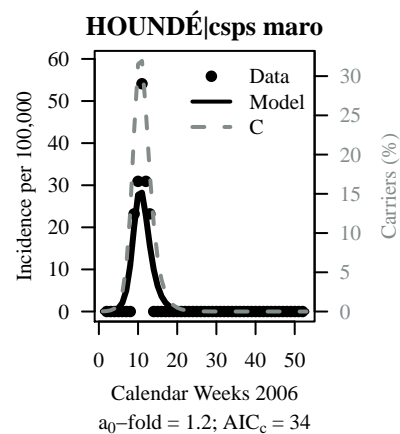
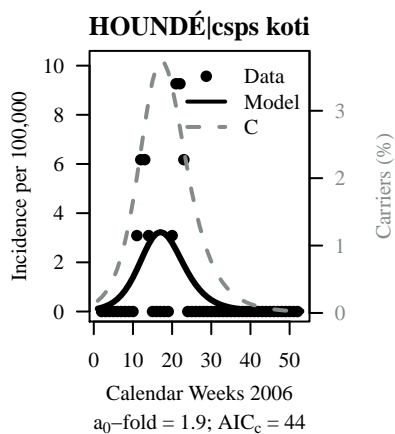
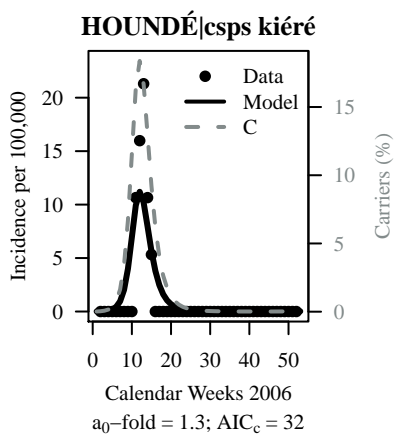
SEGUENEGA|csps kossouka

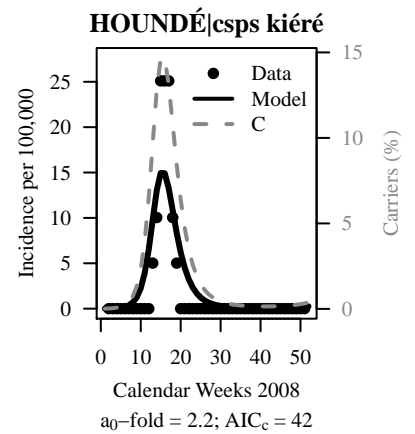
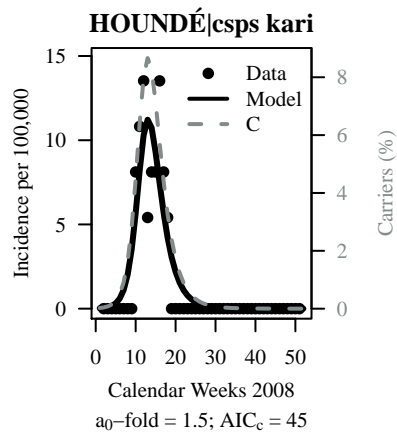
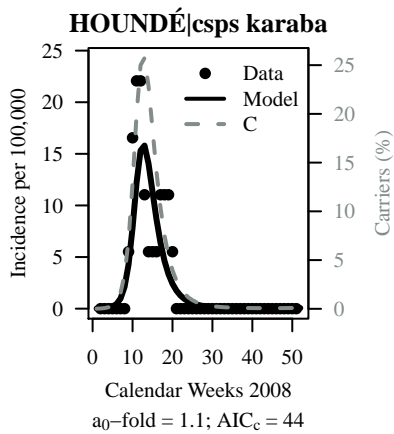
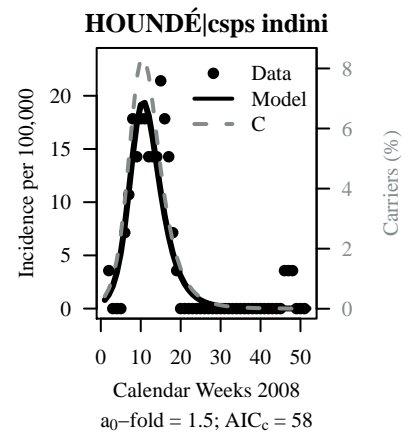
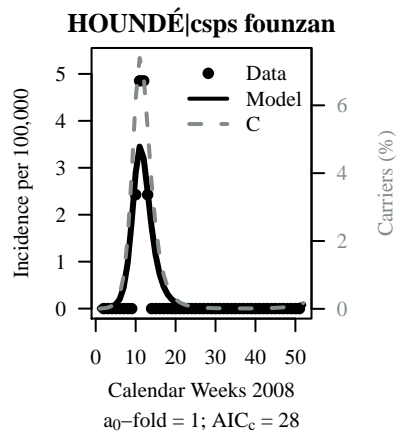
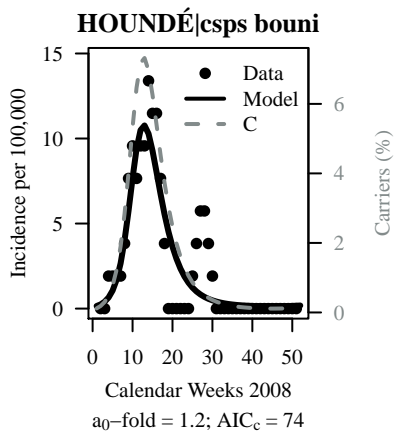
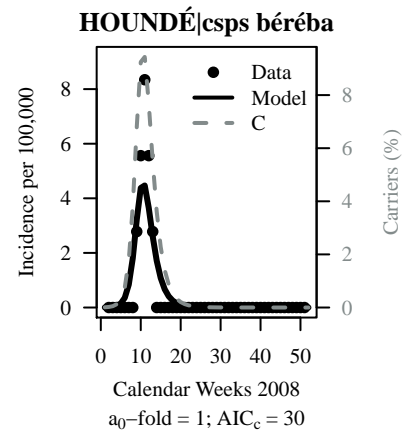
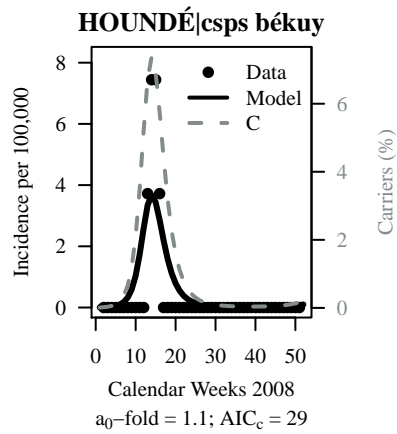
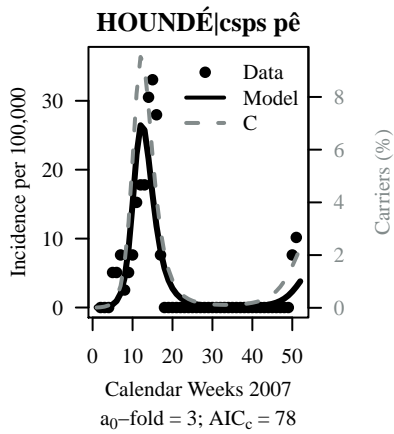


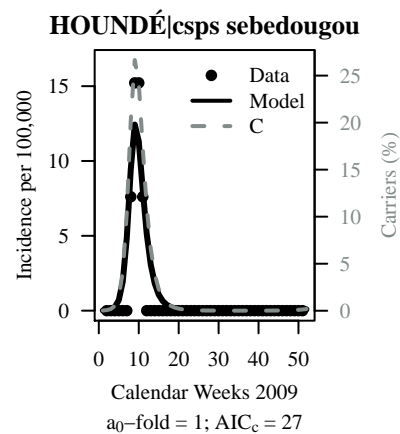
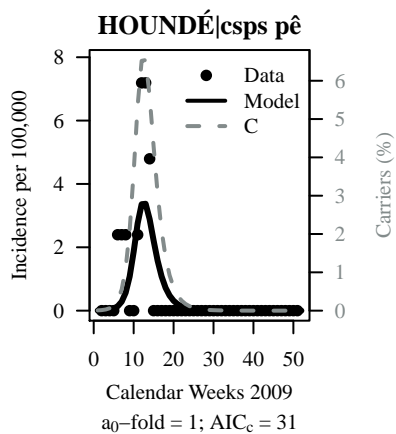
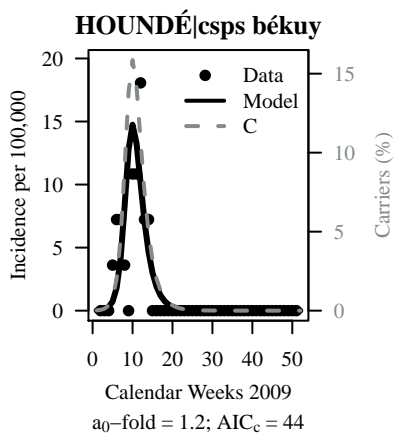
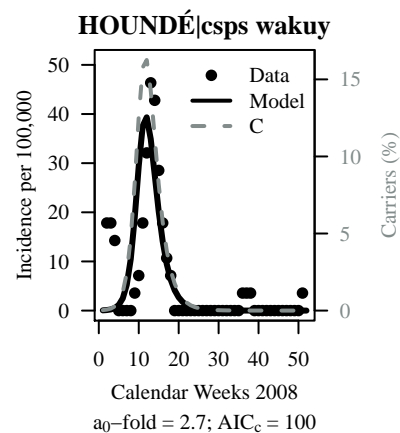
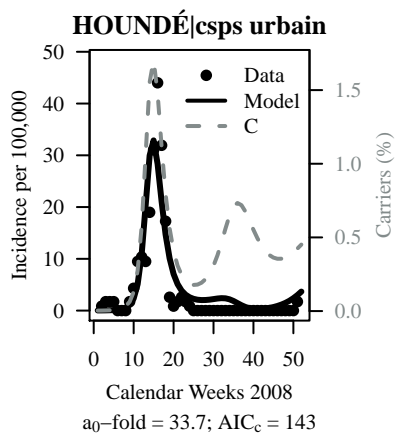
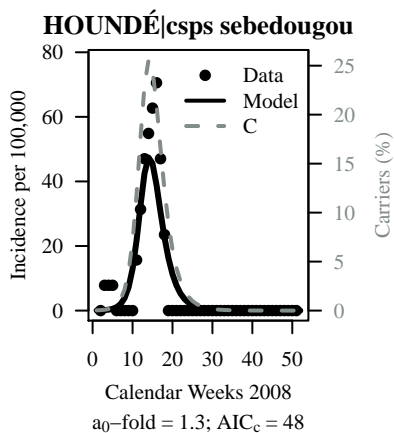
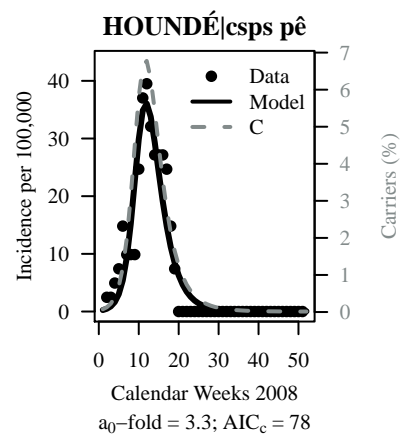
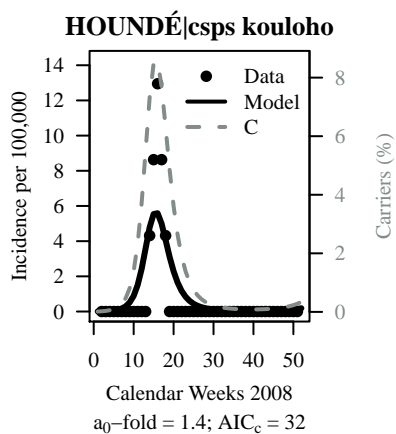
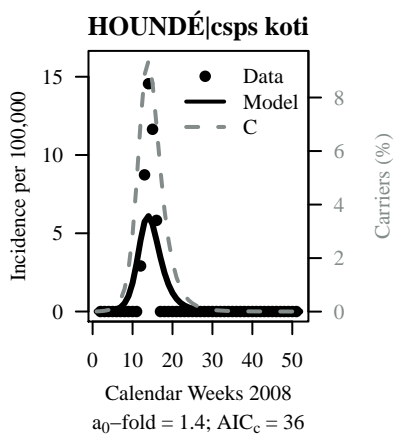
HOUNDÉ|csps founzan

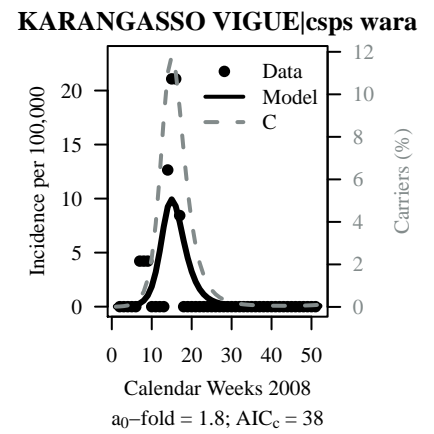
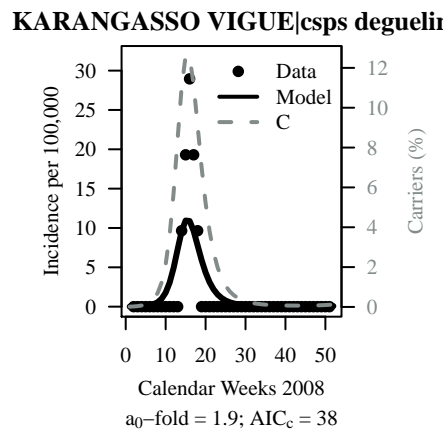
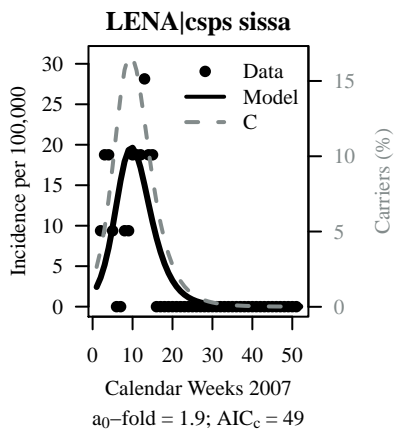
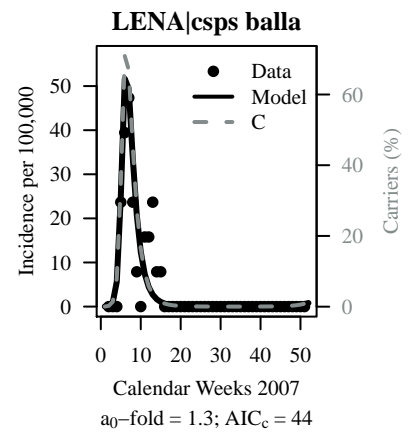
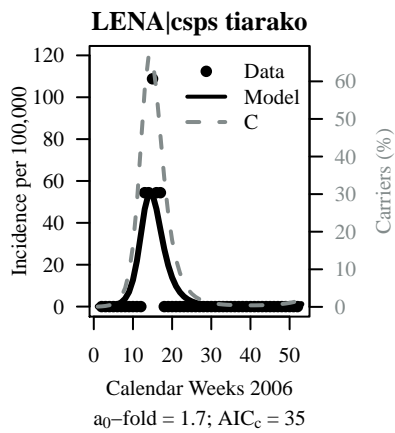
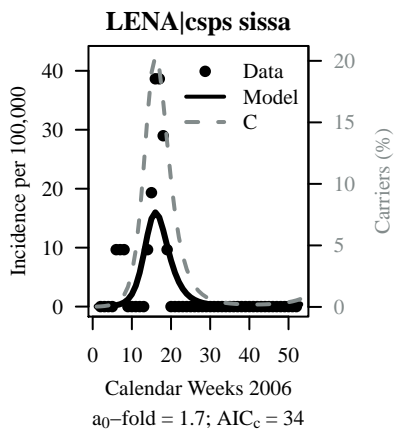
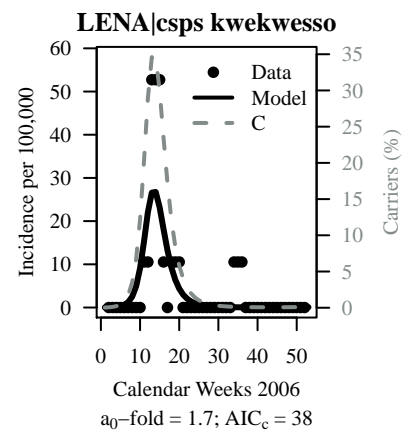
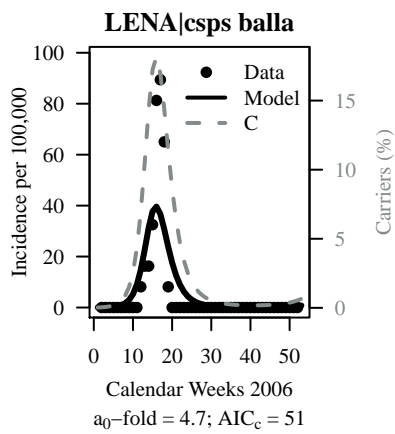
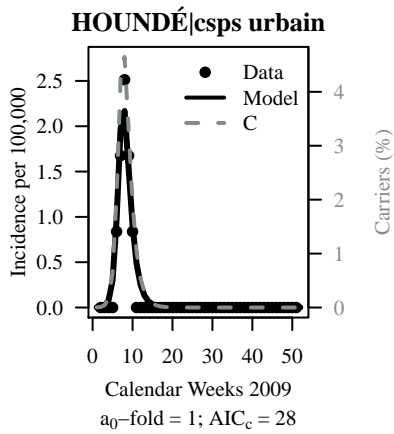




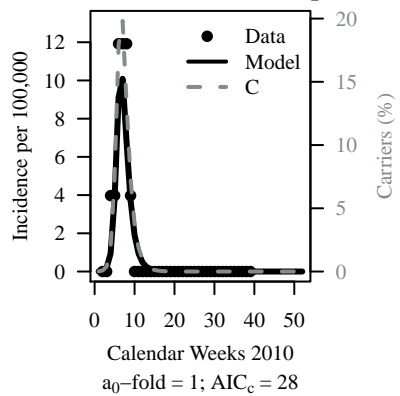








KARANGASSO VIGUE|csps wara



KARANGASSO VIGUE|dispe diosso

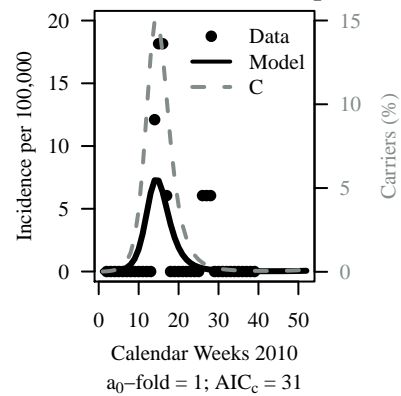
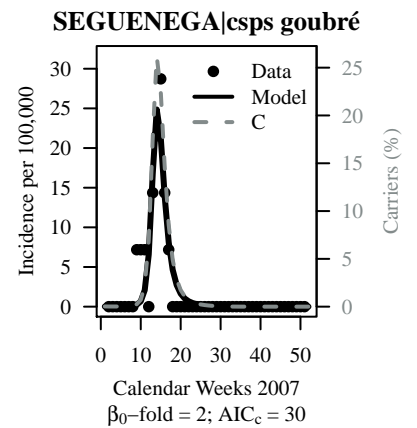
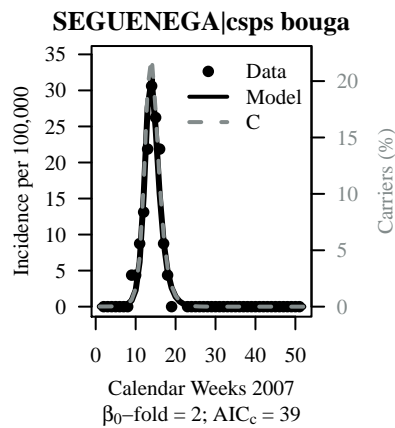
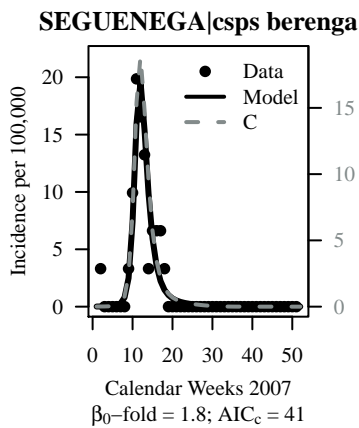
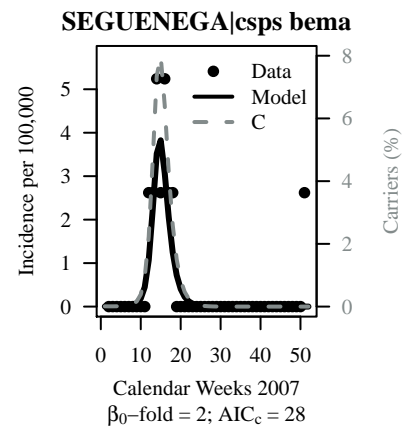
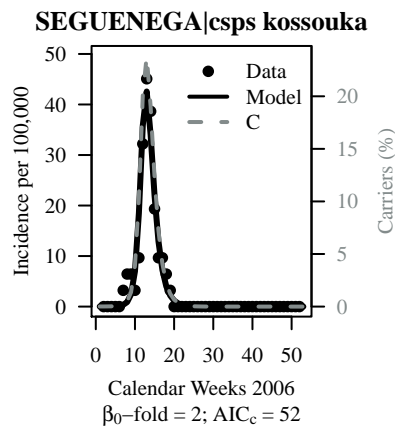
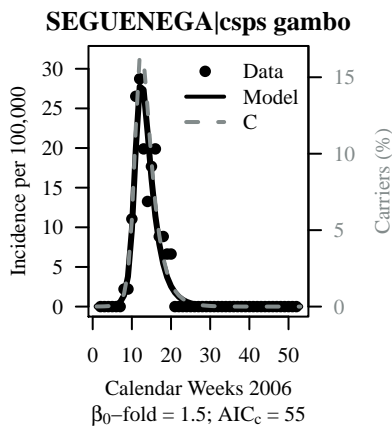
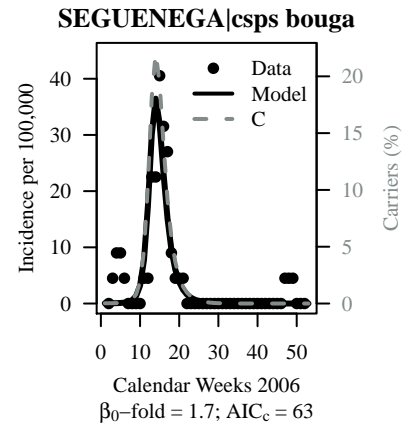
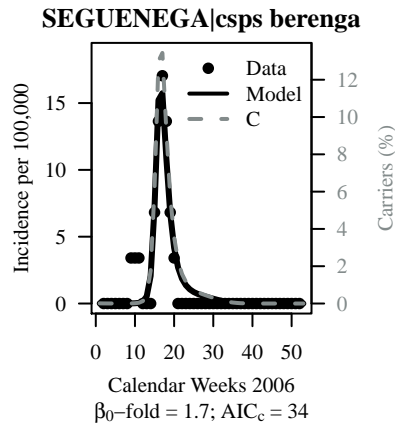
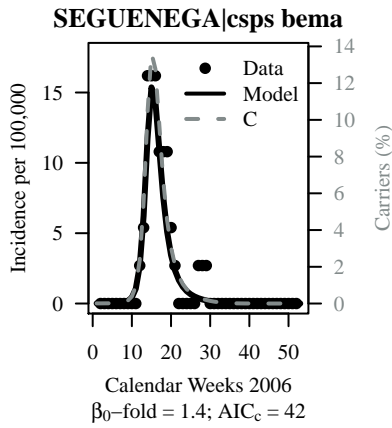
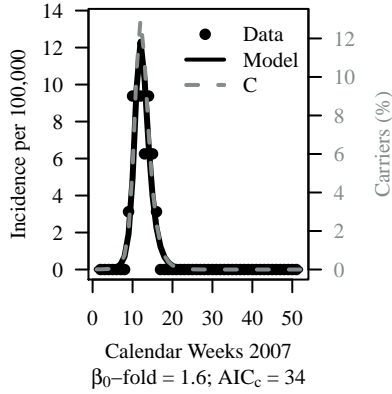


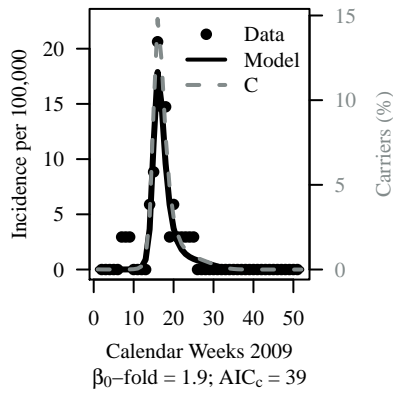
Figure 2. Model2-"transm" trajectories matching plots of simulated and observed (weekly) data, for 64 health center-years with complete data, across four health districts of Burkina faso (2004–2010).



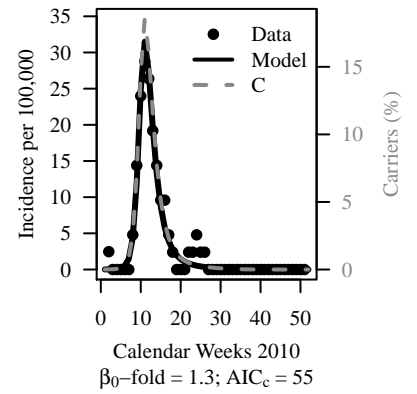
SEGUENEGA|csps kossouka



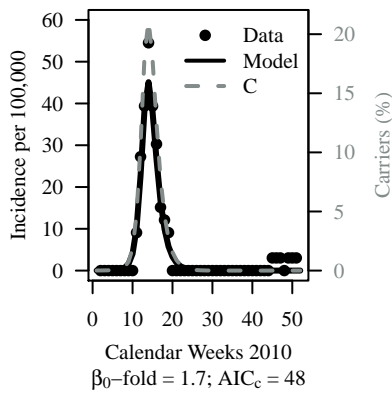
SEGUENEGA|csps kossouka



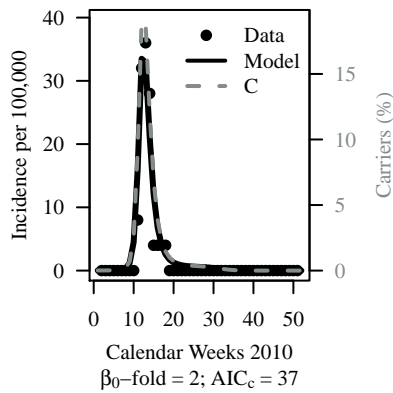
SEGUENEGA|csps bema



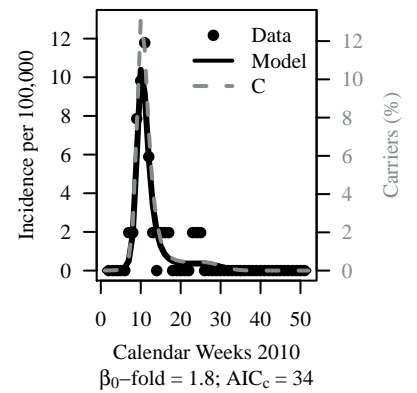
SEGUENEGA|csps berenga



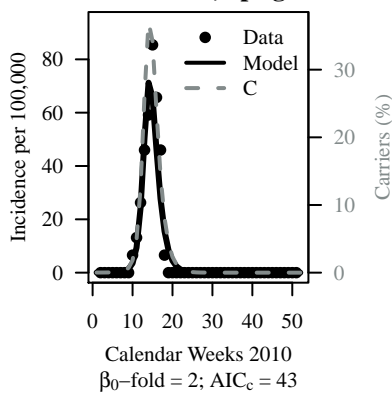
SEGUENEGA|csps bouga



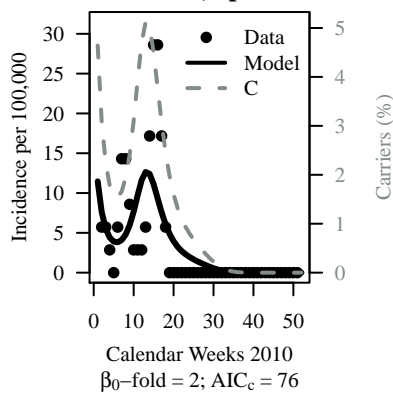
SEGUENEGA|csps gambo



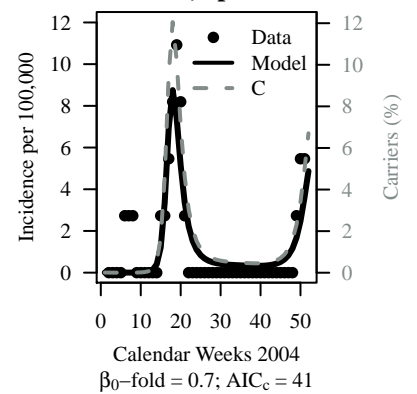
SEGUENEGA|csps goubéré

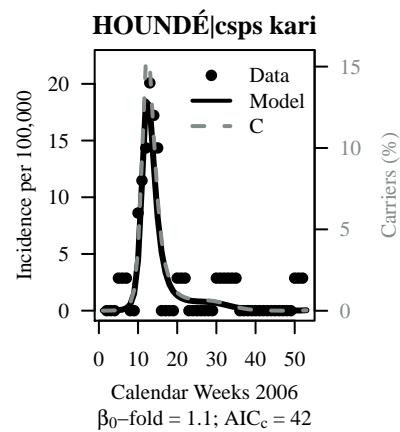
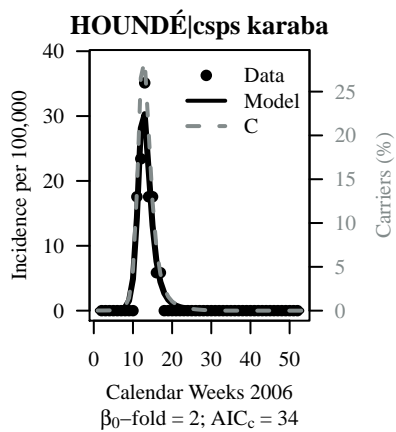
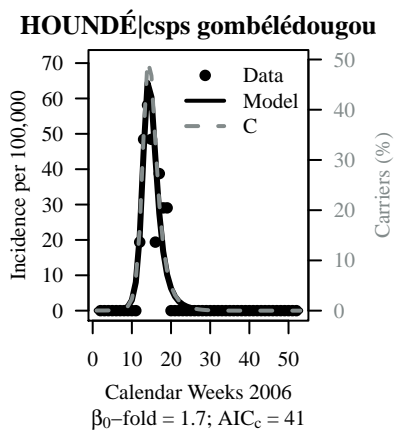
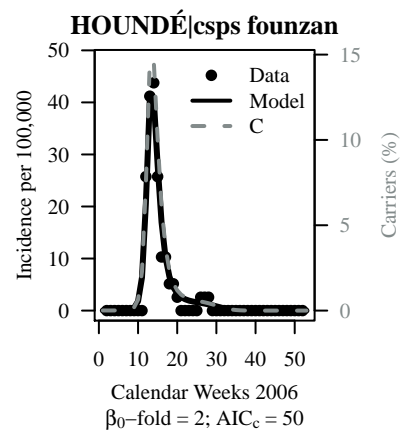
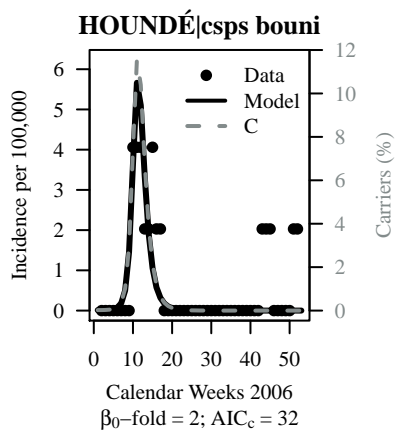
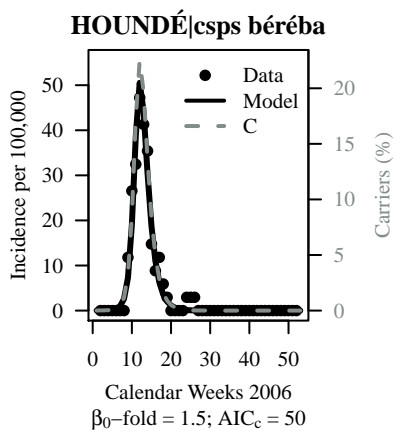
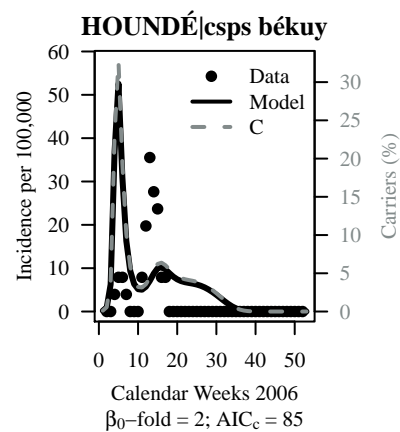
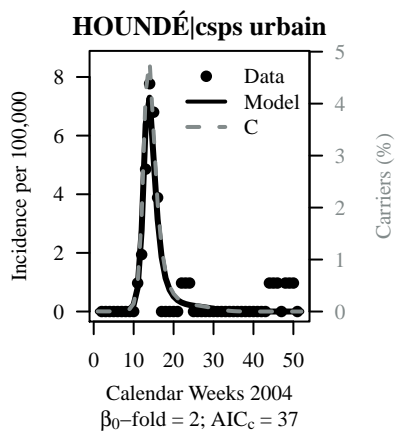
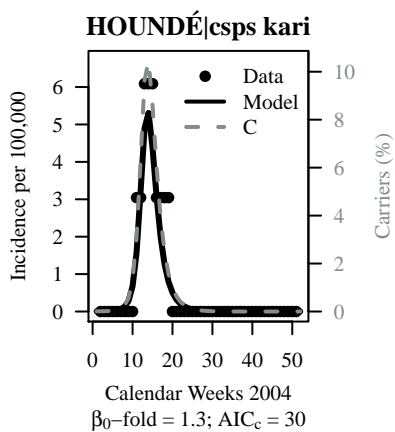


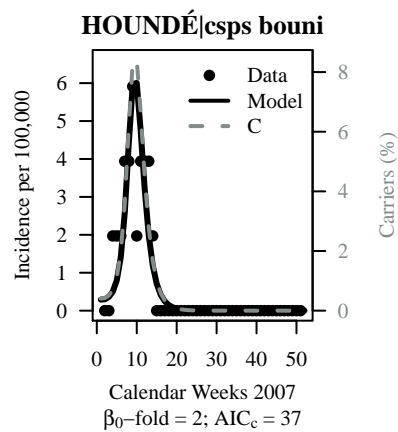
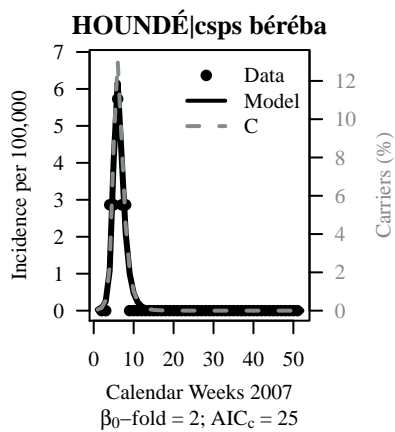
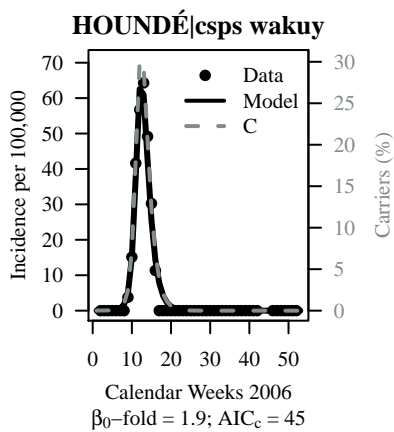
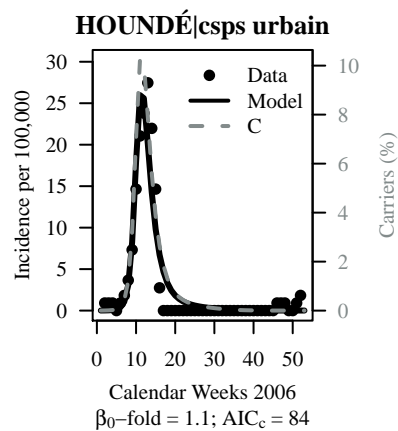
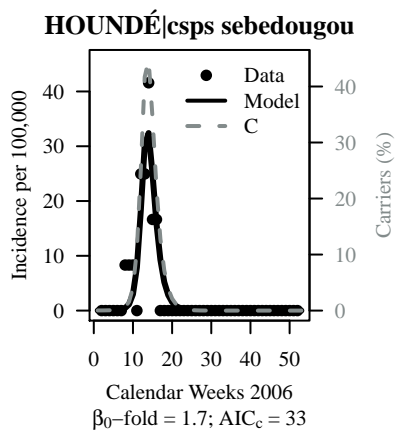
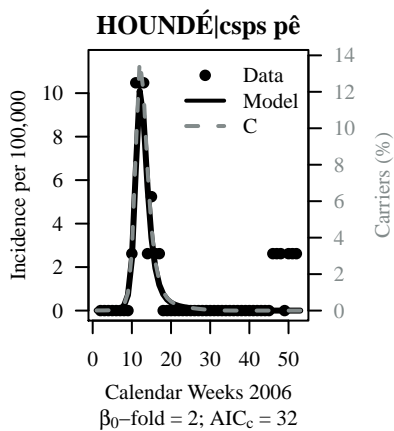
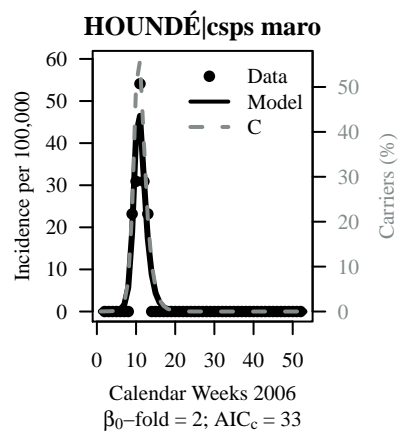
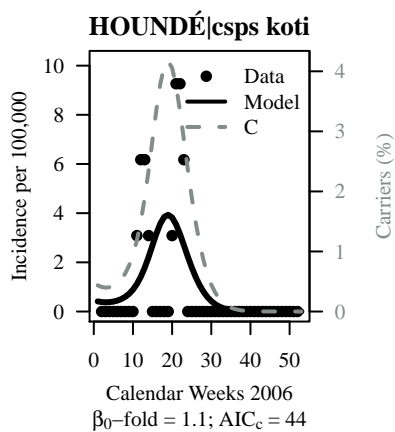
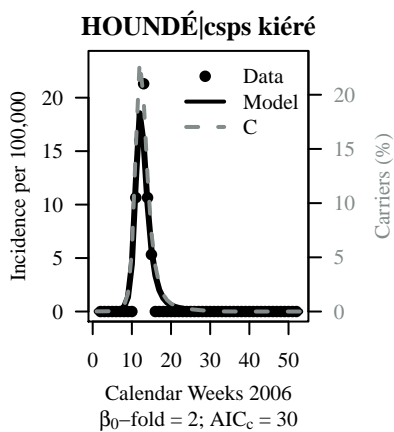
SEGUENEGA|csps kossouka

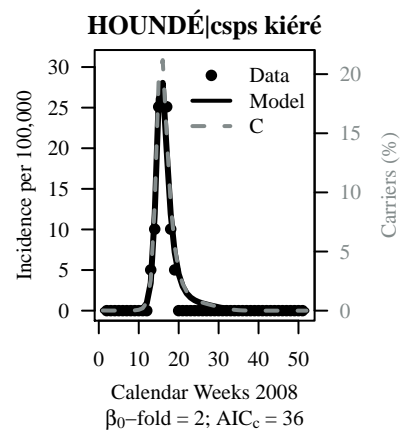
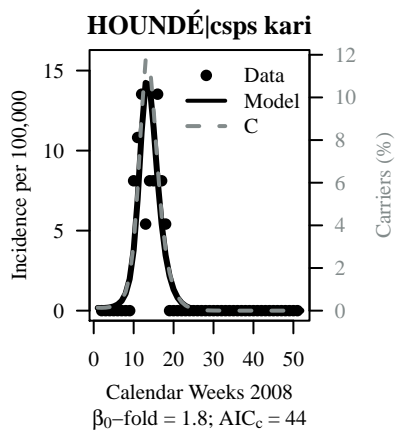
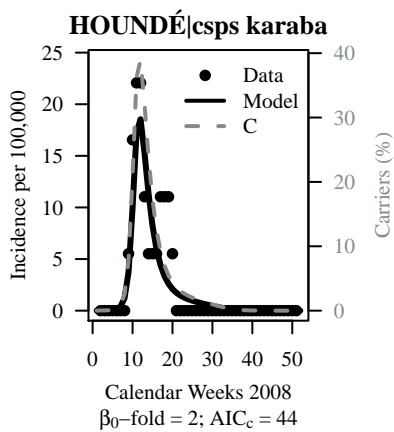
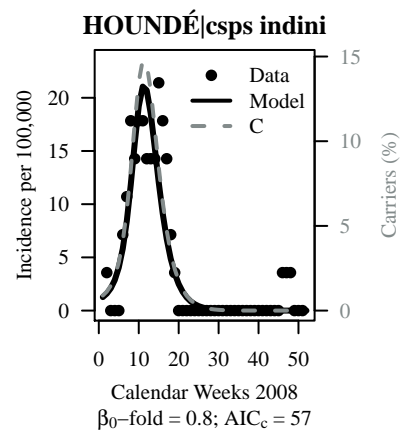
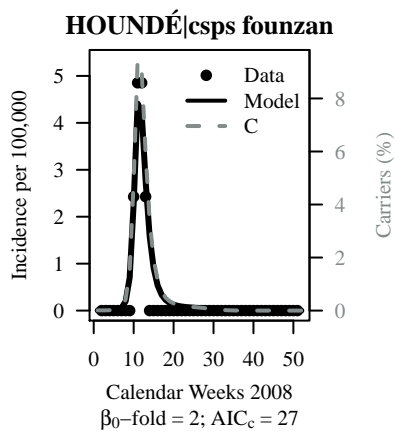
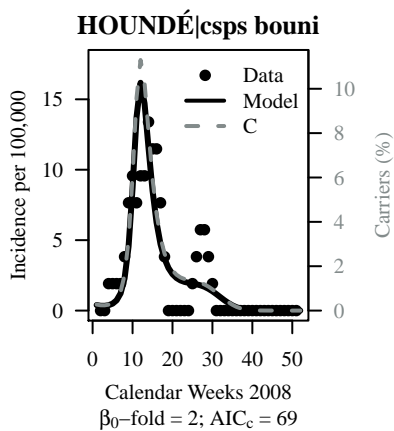
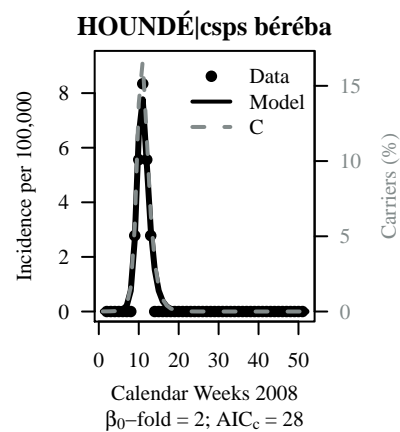
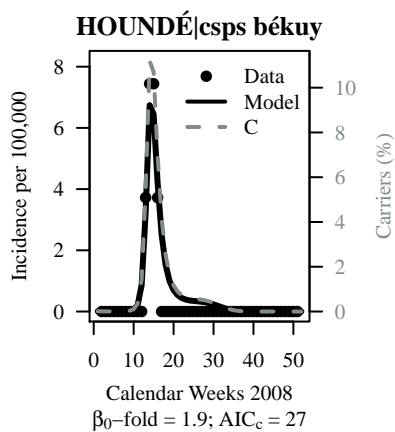
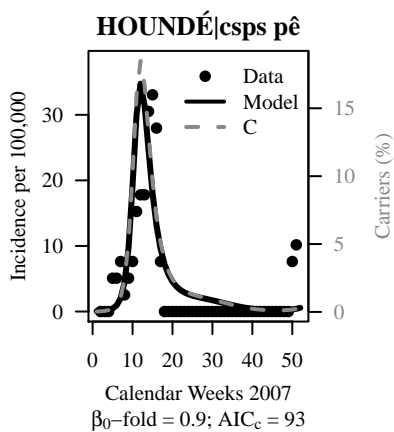


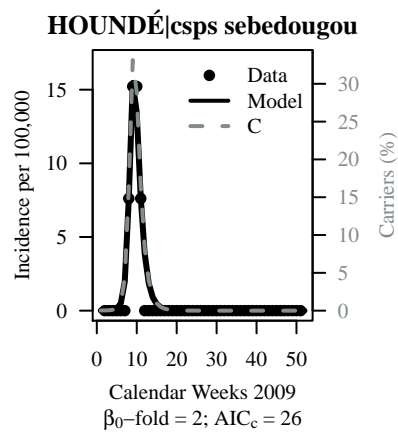
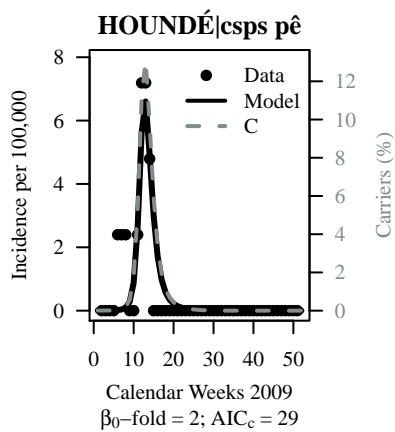
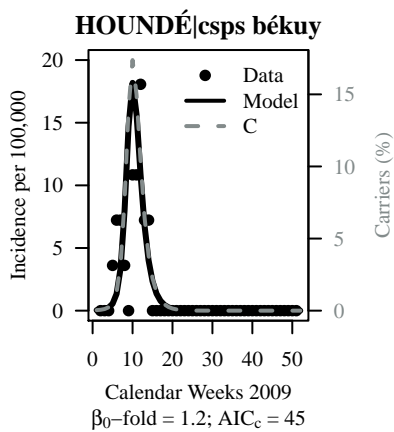
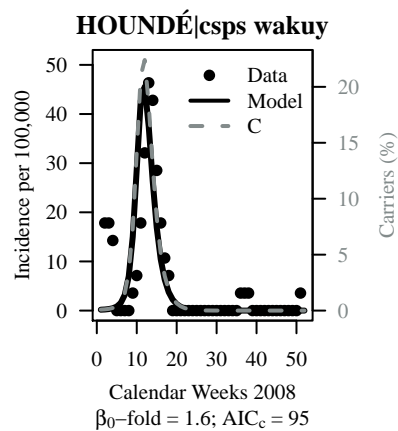
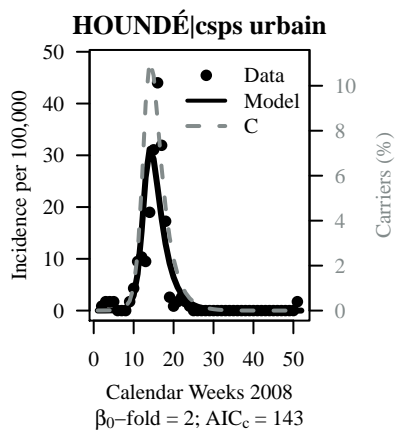
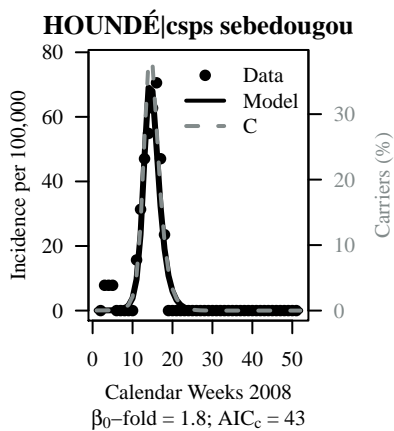
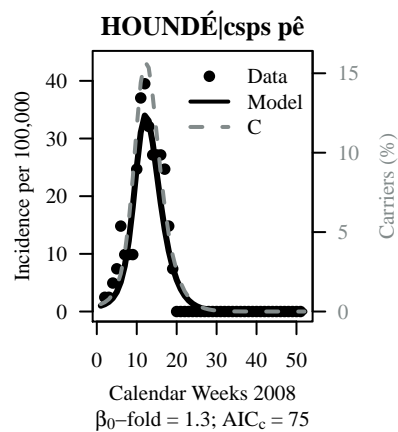
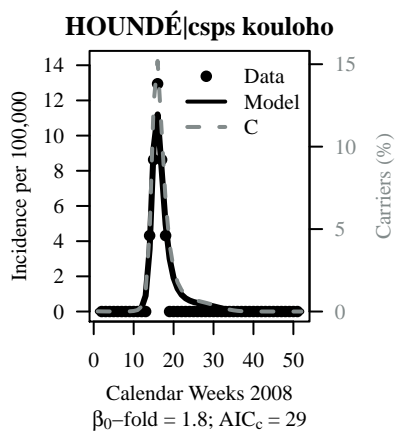
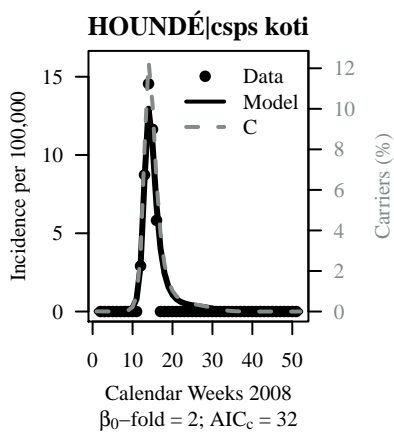
HOUNDÉ|csps founzan

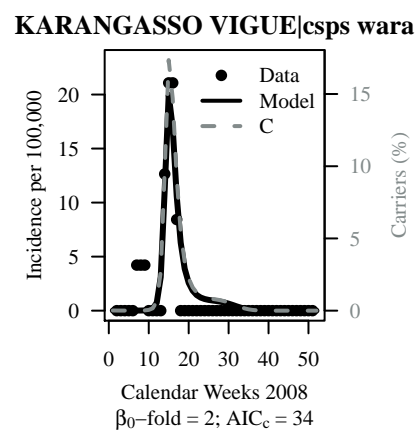
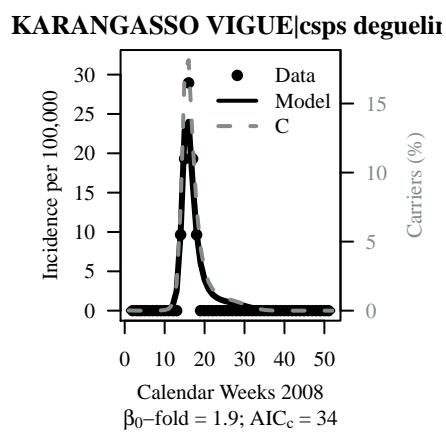
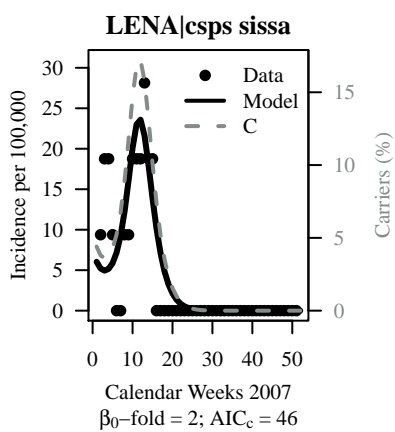
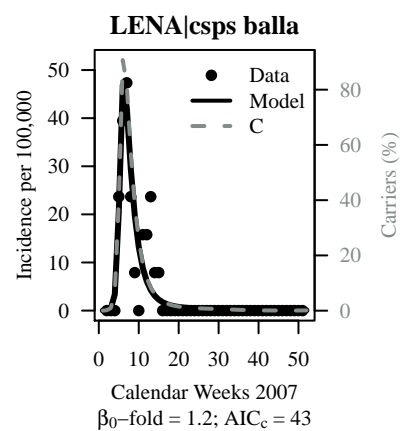
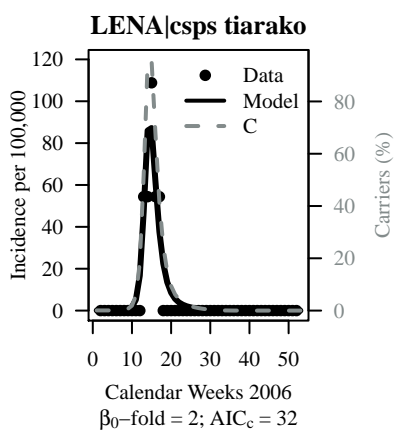
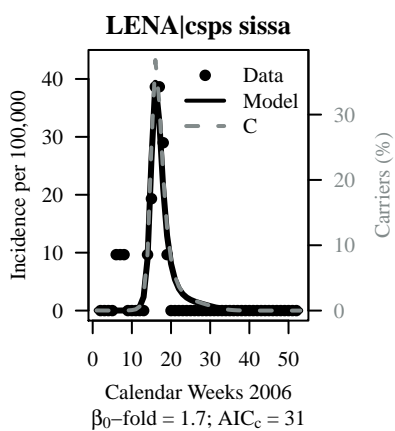
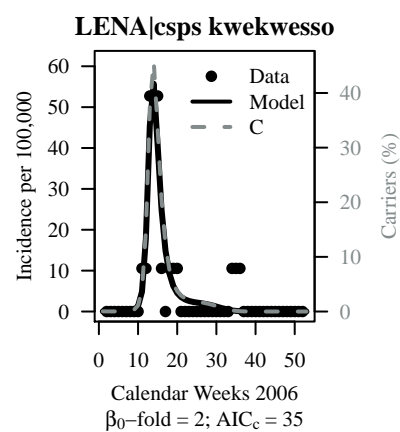
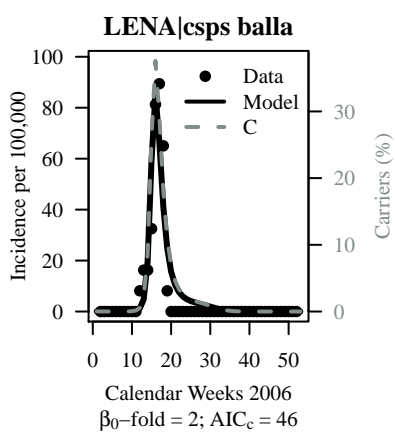
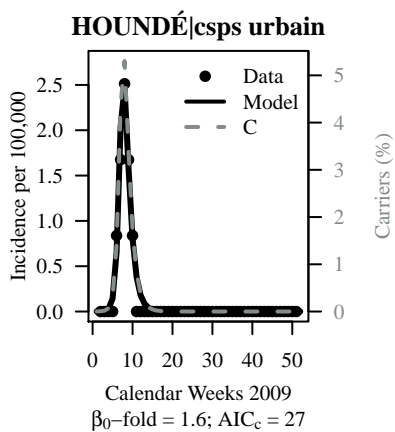




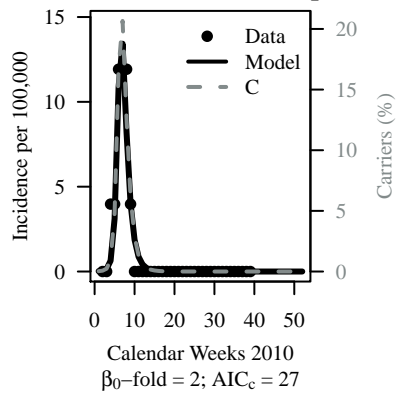








KARANGASSO VIGUE|csps wara



KARANGASSO VIGUE|dispe diosso

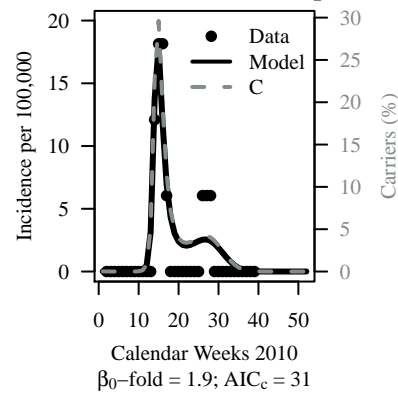
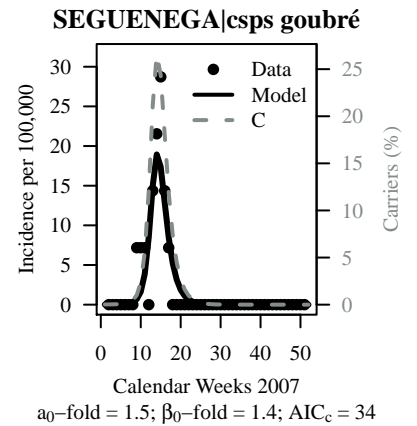
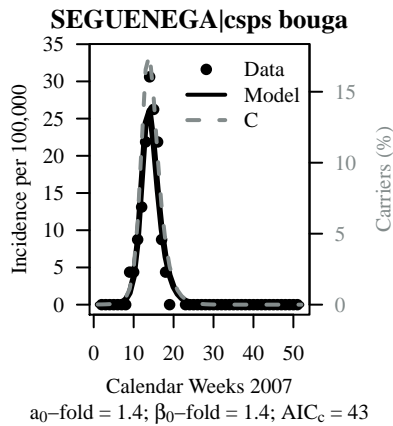
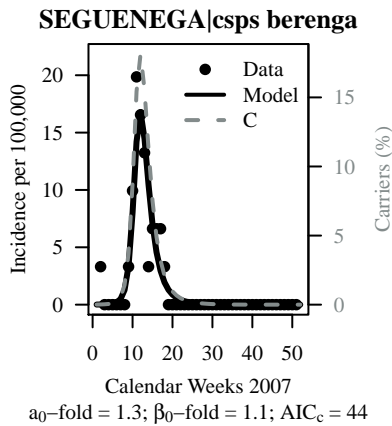
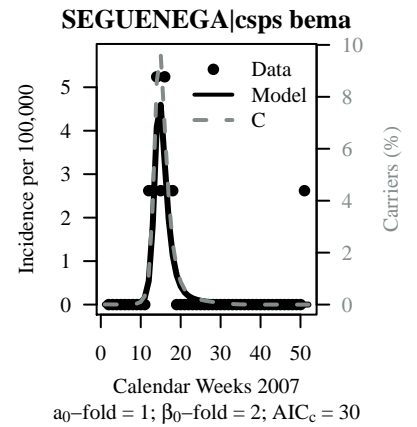
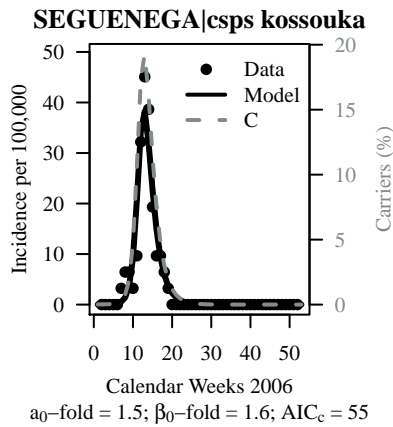
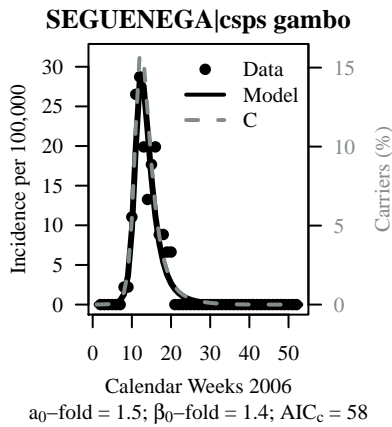
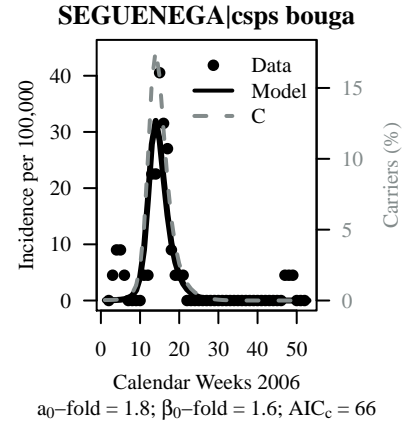
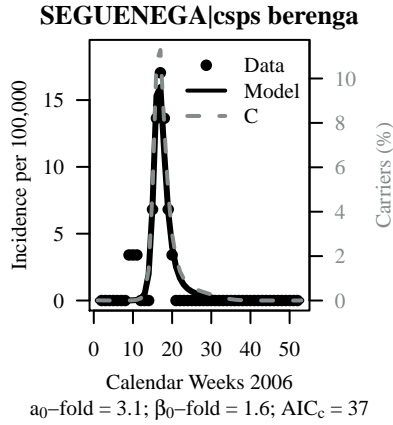
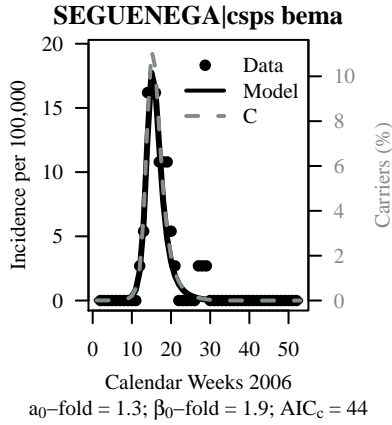
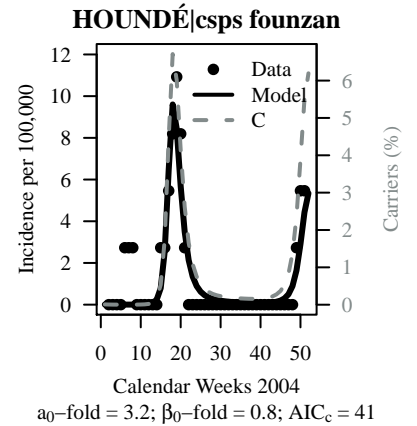
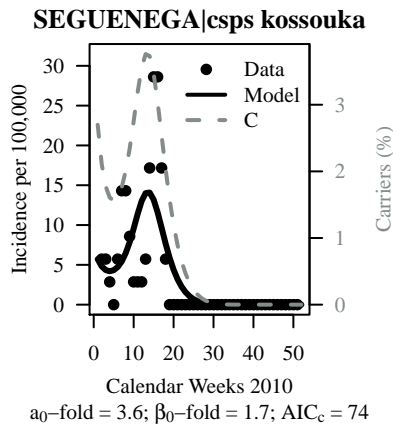
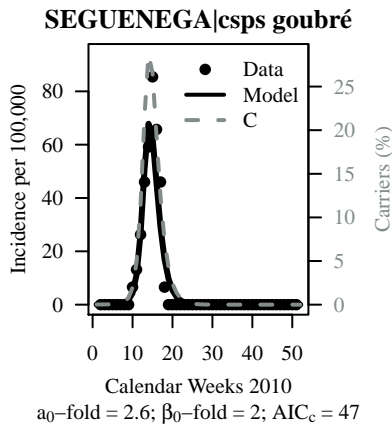
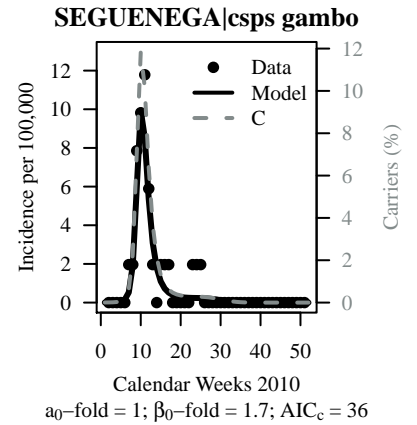
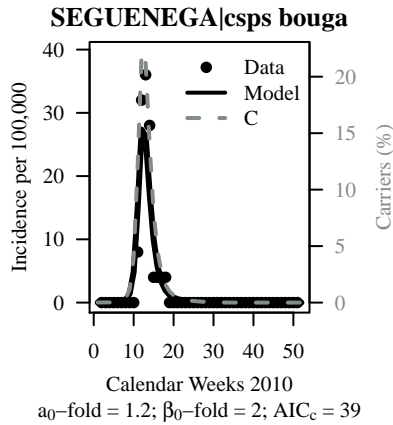
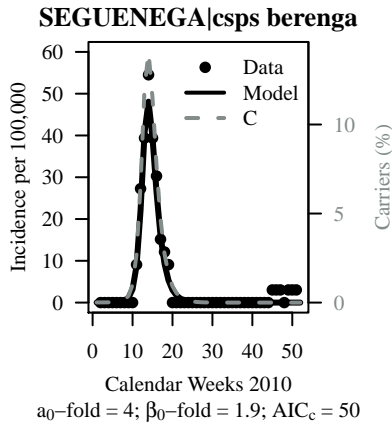
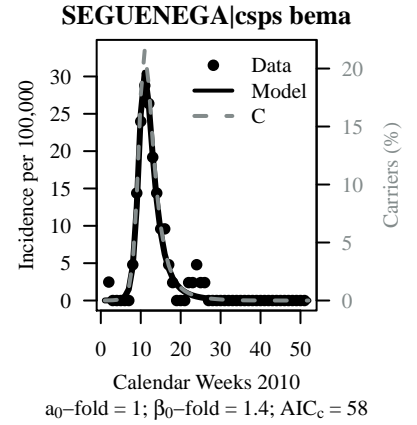
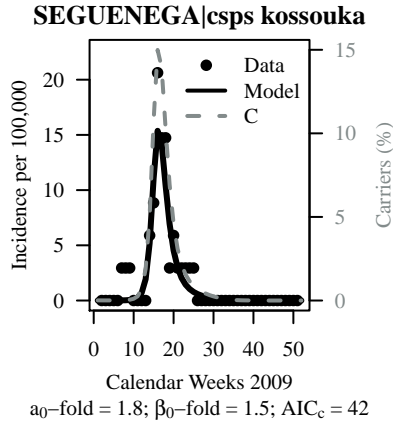
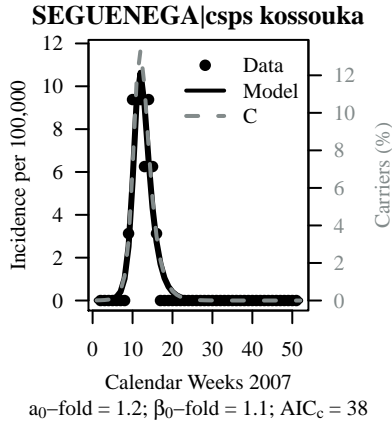
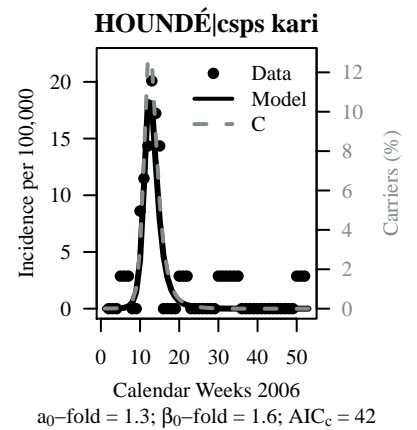
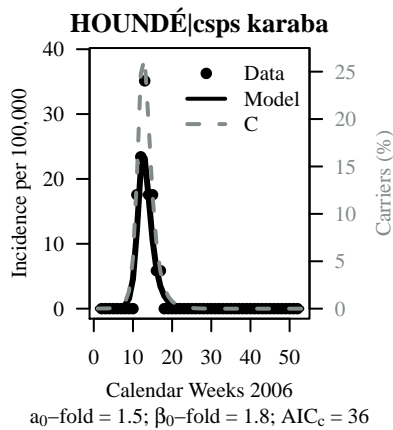
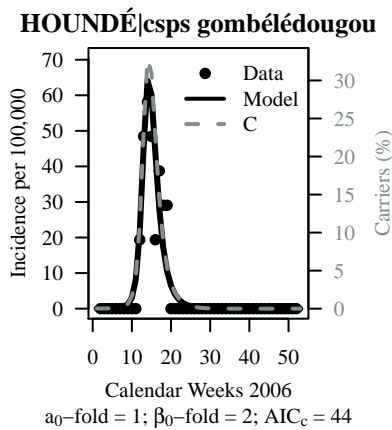
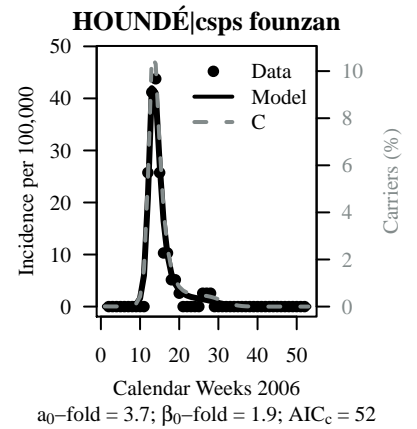
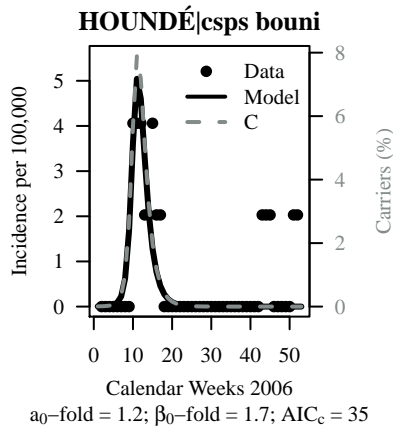
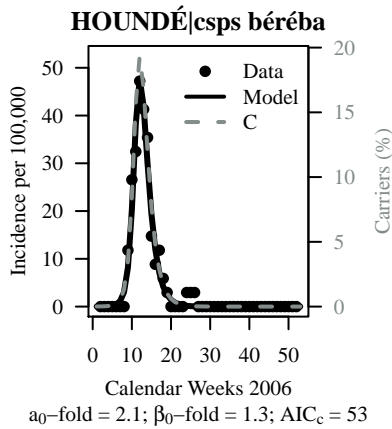
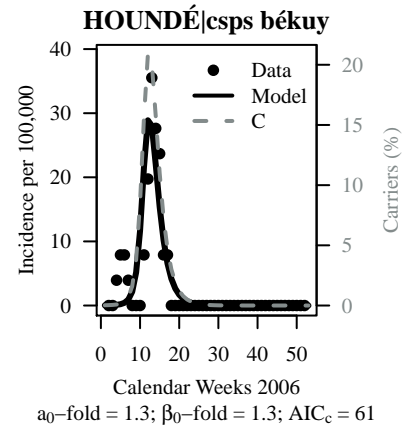
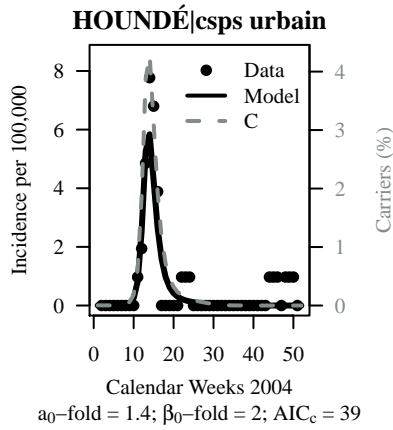
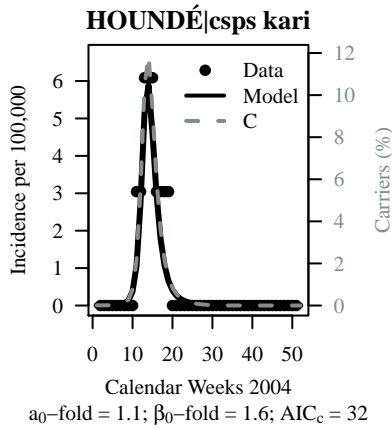
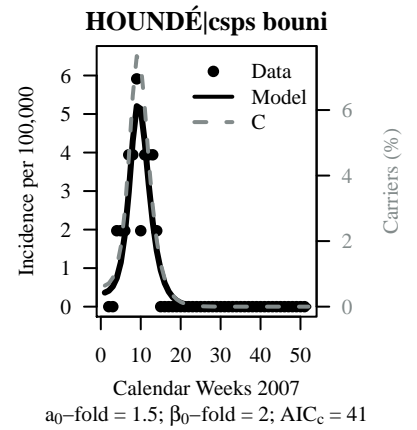
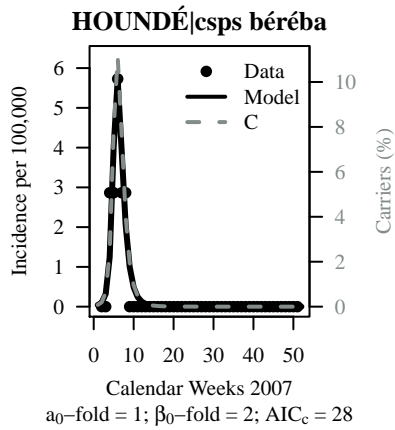
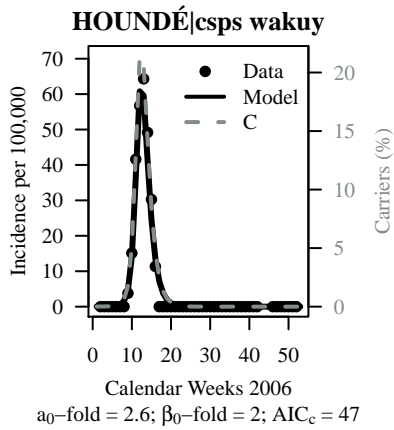
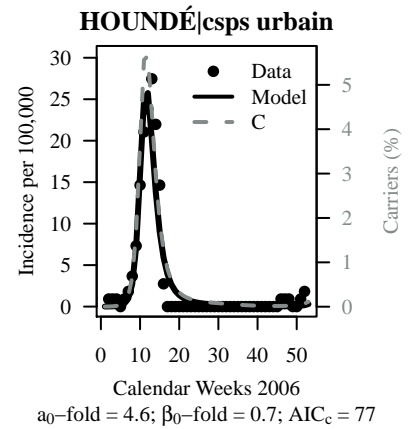
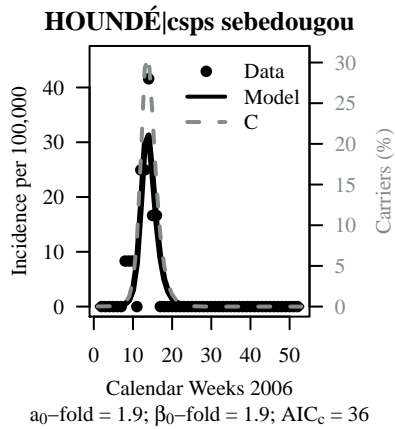
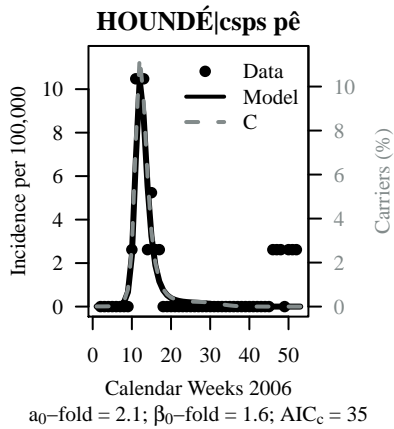
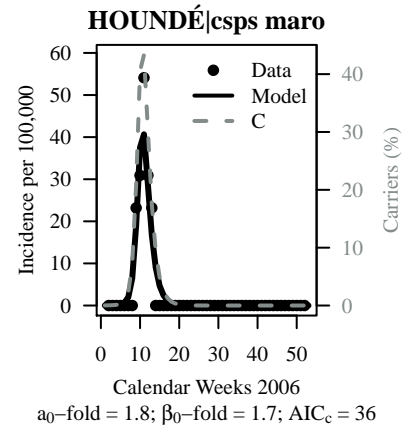
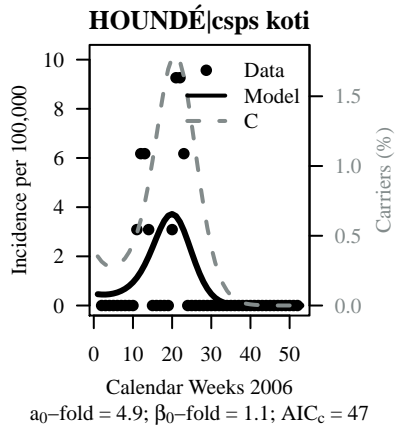
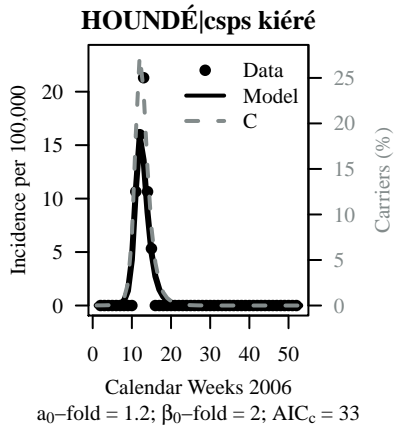


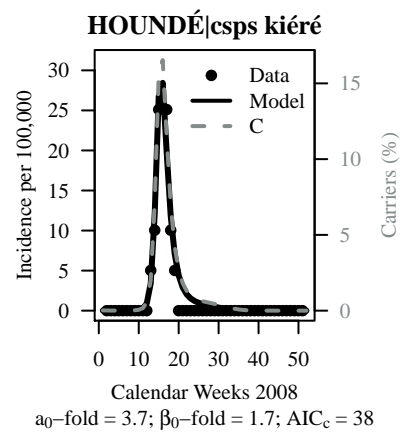
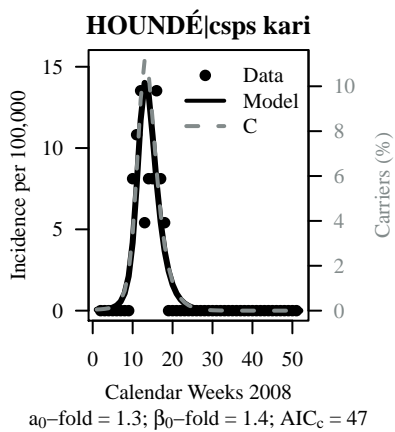
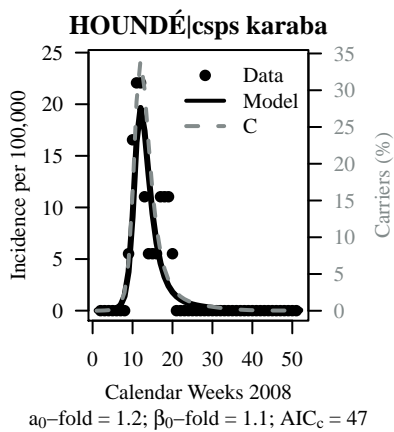
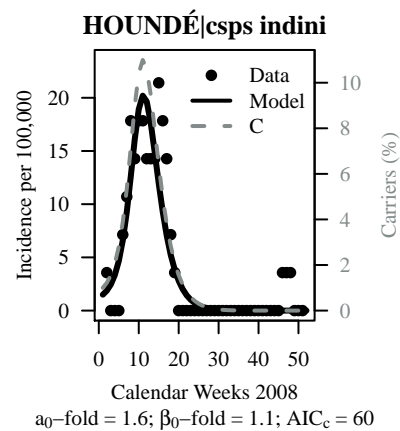
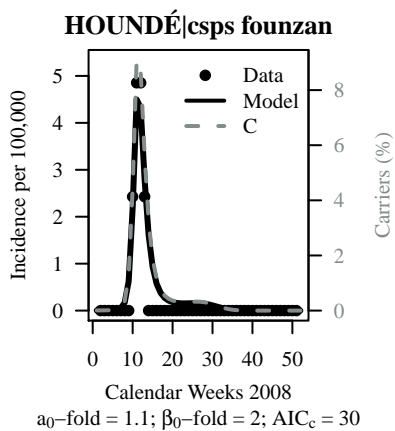
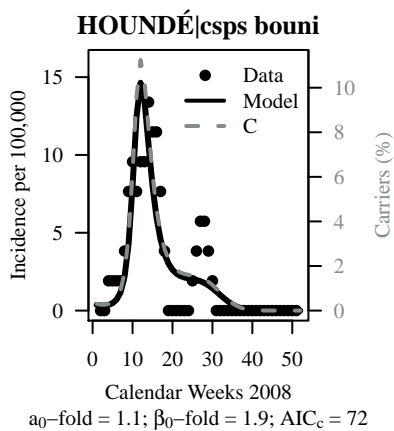
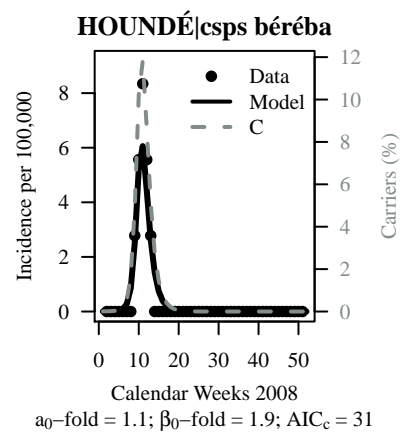
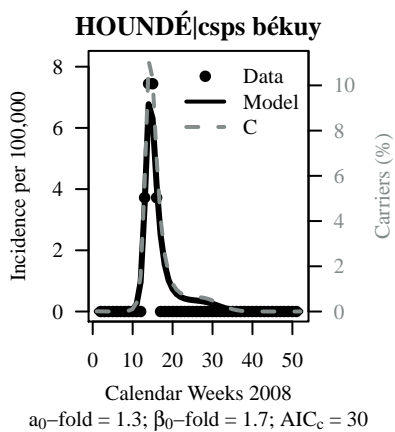
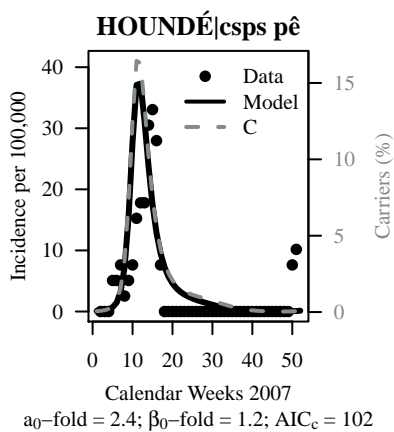
Figure 3. Model3-"inv-transm" trajectories matching plots of simulated and observed (weekly) data, for 64 health center-years with complete data, across four health districts of Burkina faso (2004–2010).

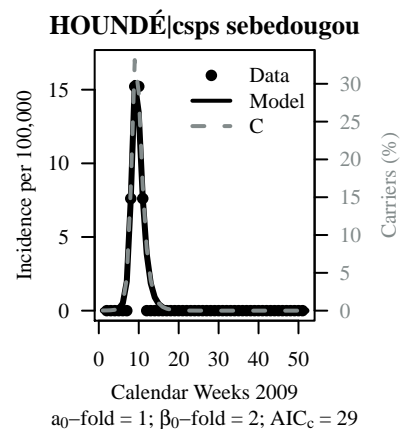
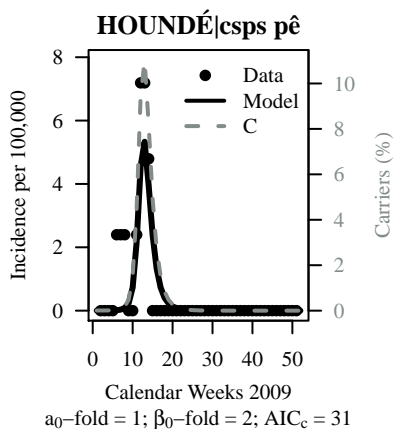
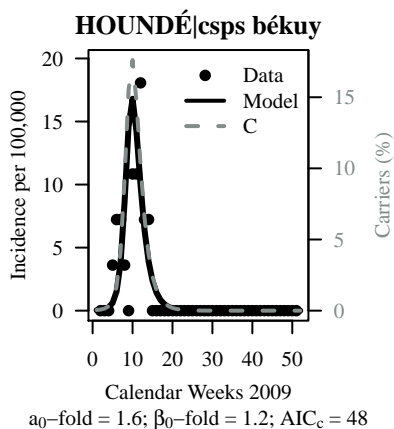
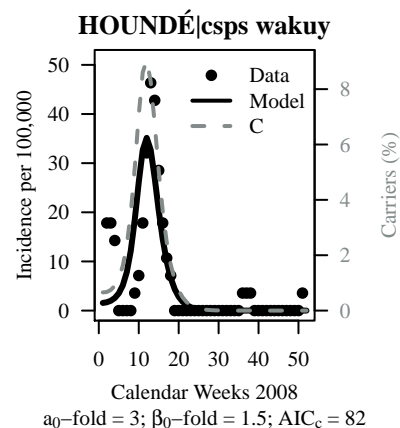
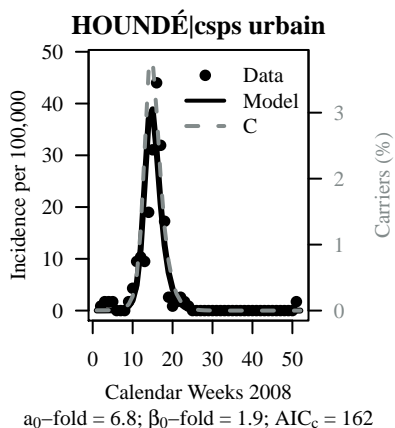
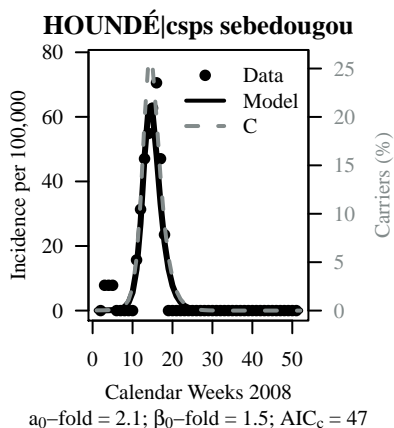
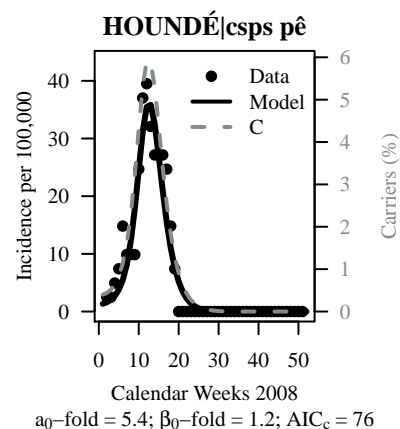
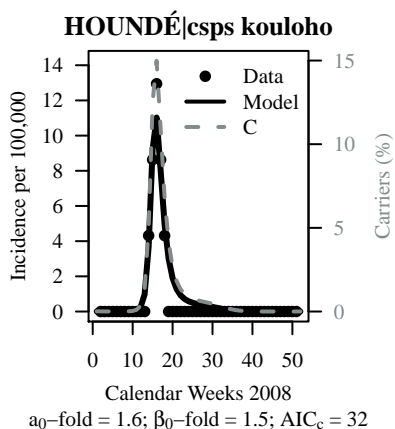
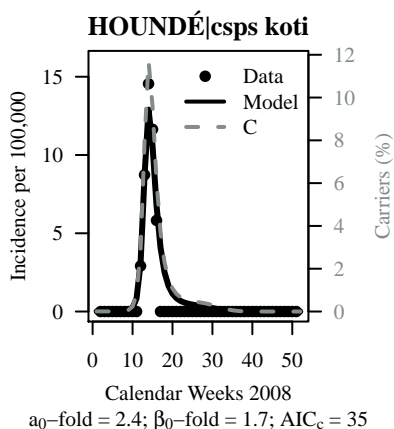


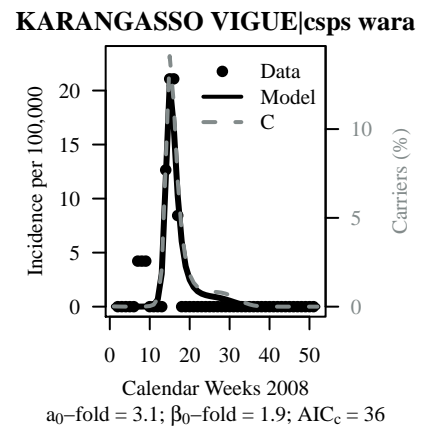
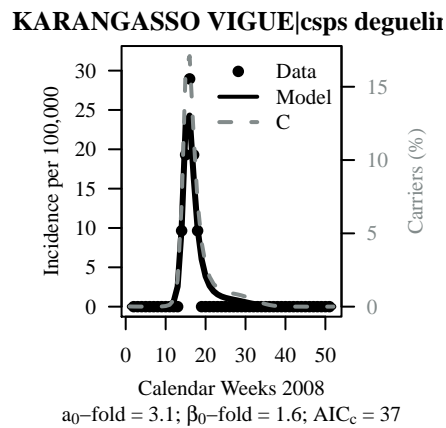
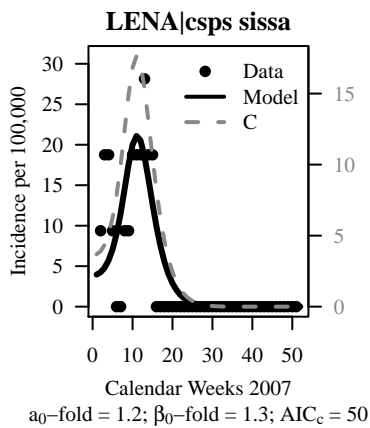
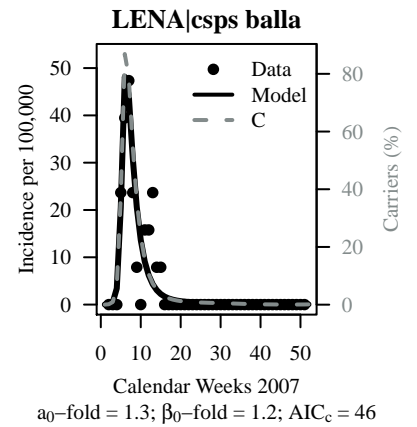
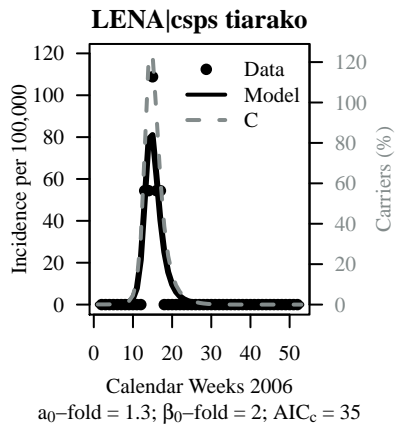
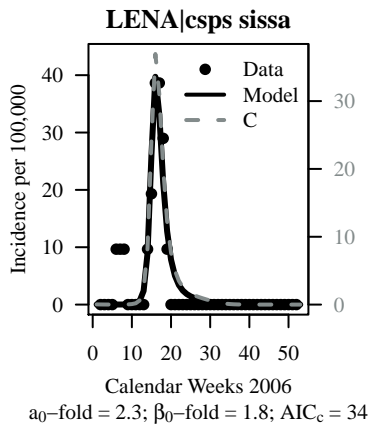
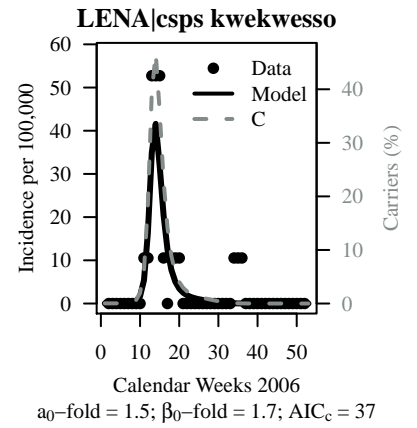
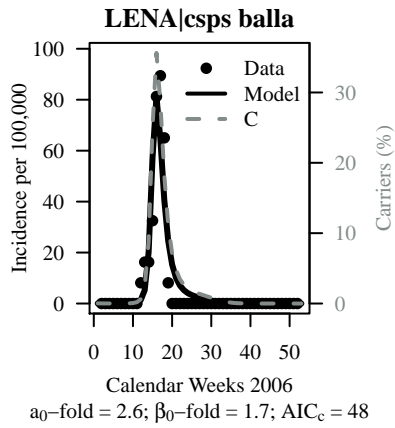
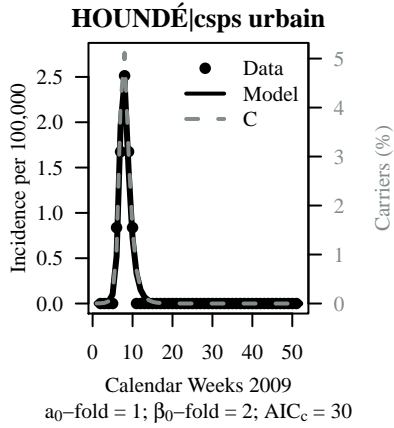




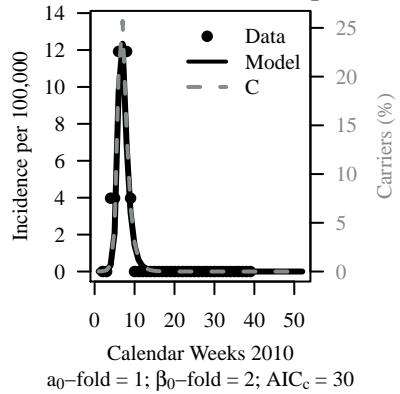








KARANGASSO VIGUE|csps wara



KARANGASSO VIGUE|dispe diosso

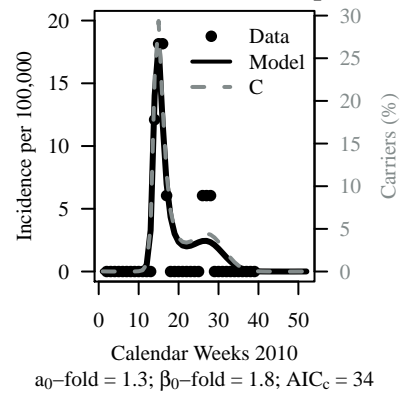
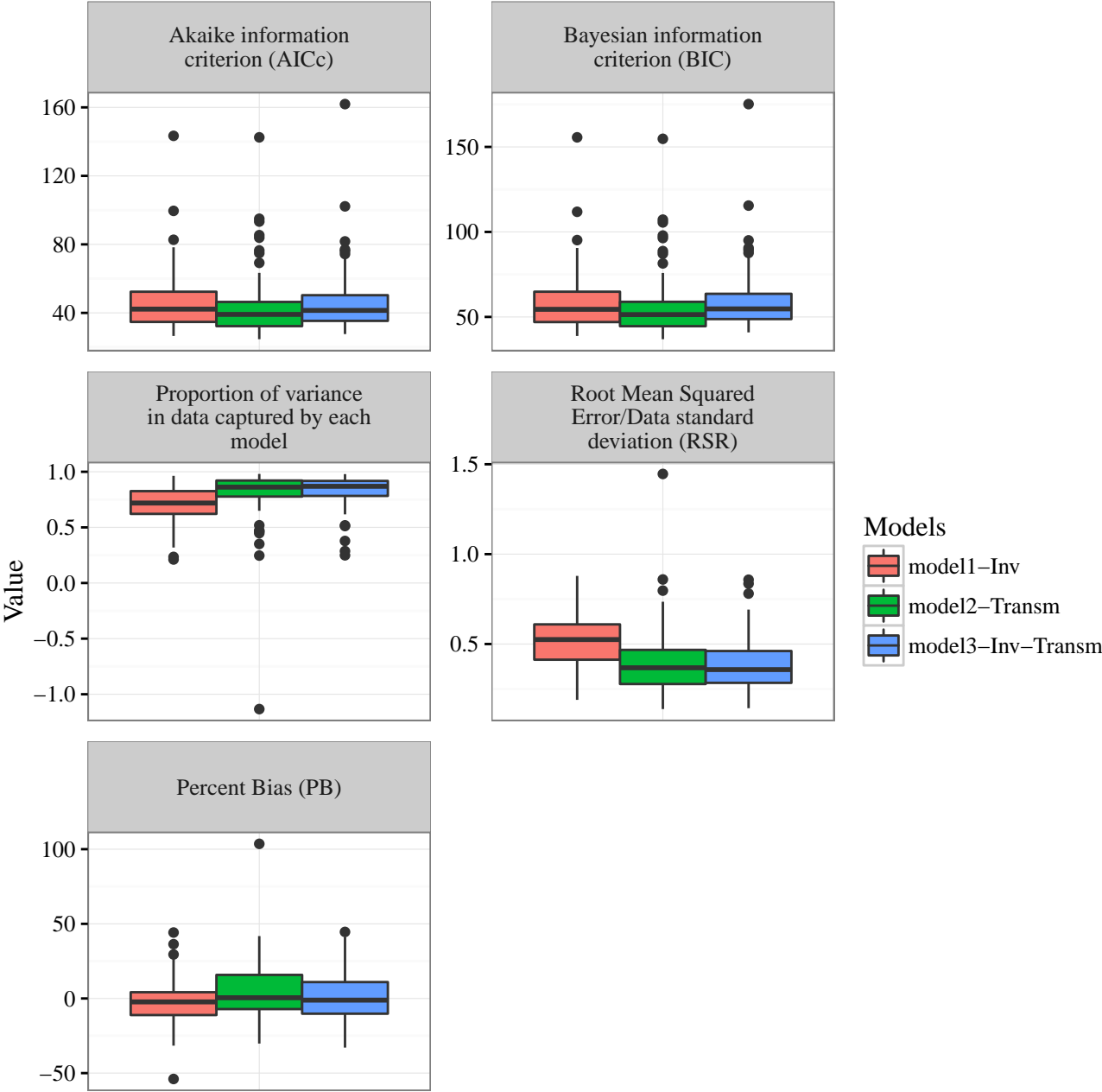


Figure 4. Distribution of parameters estimates and models performance stats, for 64 health center–years with complete data, across four health districts of Burkina faso (2004–2010).

Distribution of model performance stats across the 64 health center...years



Distribution of parameters estimates across the 64 health center...years

