Simulation trajectories

7−day window

14−day window

$R_t = 1.5$
$\xi = 1.5$
Magnitude : low

$R_t = 1.5$
$\xi = 1.5$
Magnitude : high

$R_t = 1.5$
$\xi = 6$
Magnitude : low

$R_t = 1.5$
$\xi = 6$
Magnitude : high

$R_t = 2.5$
$\xi = 1.5$
Magnitude : low

$R_t = 2.5$
$\xi = 1.5$
Magnitude : high

$R_t = 2.5$
$\xi = 6$
Magnitude : low

$R_t = 2.5$
$\xi = 6$
Magnitude : high

Cases

Day

Empirical coverage

Nominal coverage

+ normal approx.

- - theoretical Poisson coverage

Model

Poiss

Q−Poiss

NegBin−L

NegBin−Q