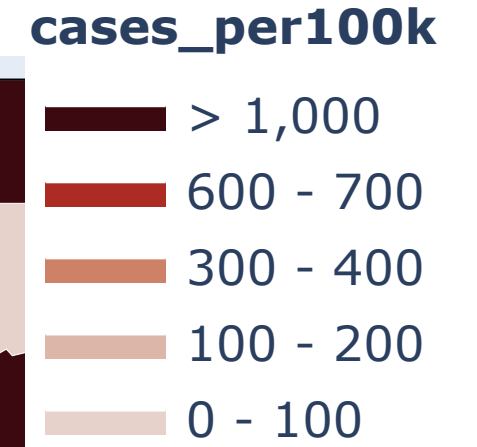
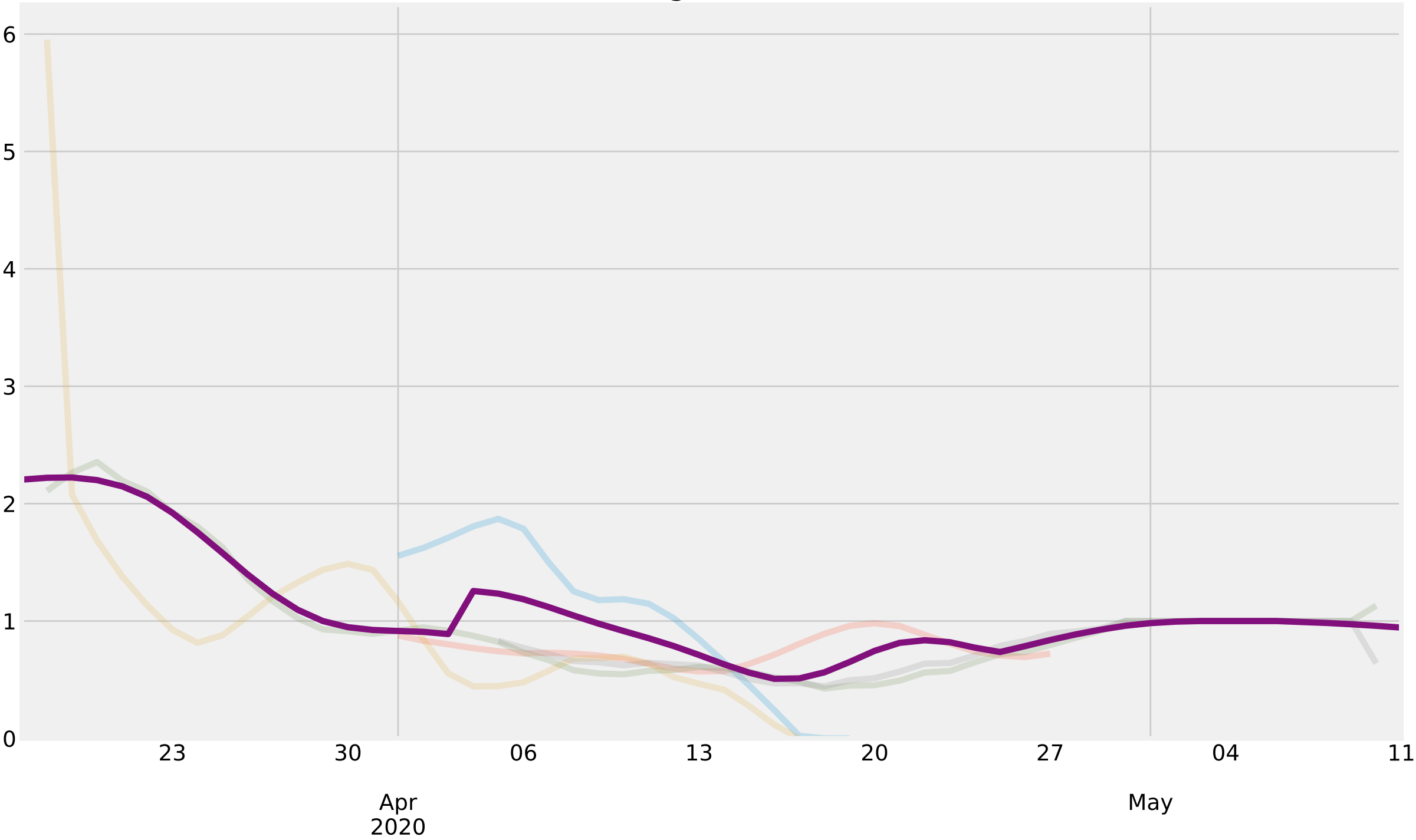


Legend:

- > 1,000
- 600 - 700
- 300 - 400
- 100 - 200
- 0 - 100



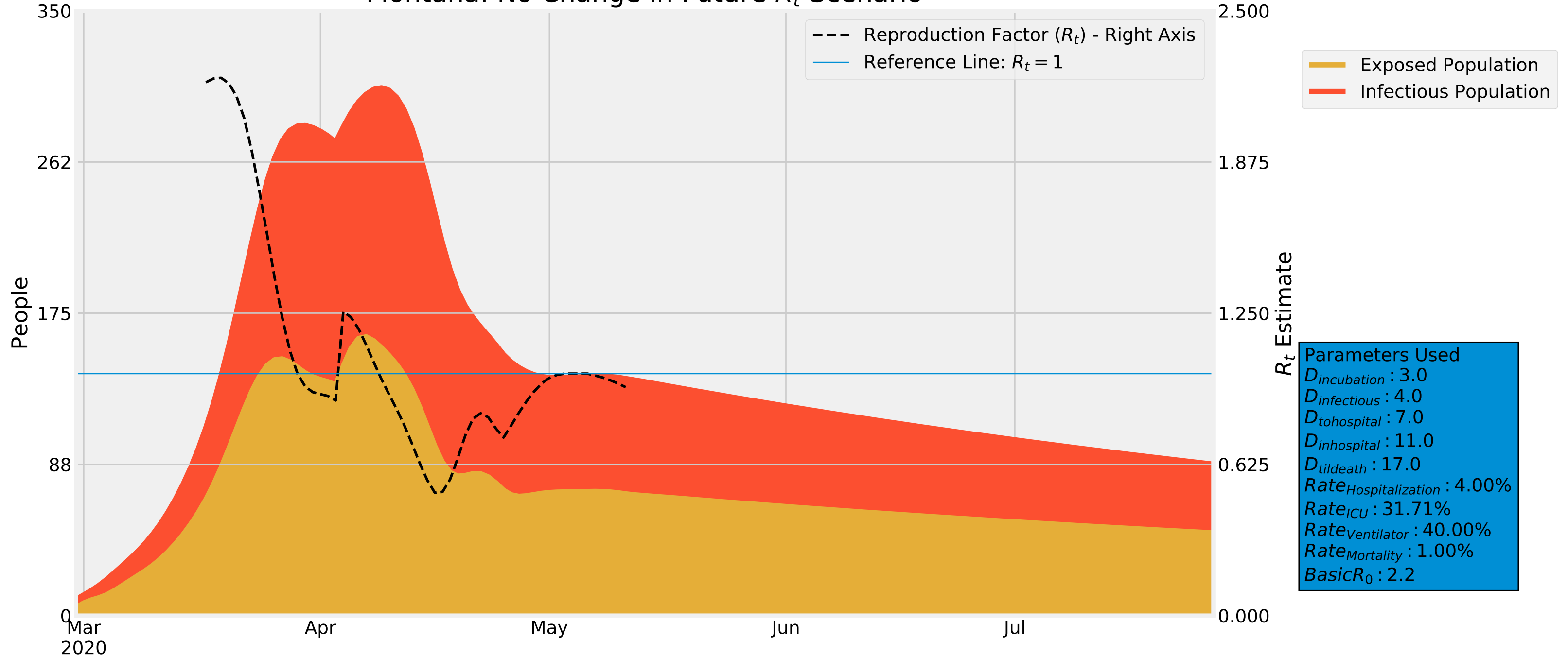
Reproduction Rate (R_t) Estimates
Montana: No Change in Future R_t Scenario



- rt_deaths_daily
- rt_hosp_concur
- rt_hosp_admits
- rt_cases_daily
- rt_pos_test_share_daily
- rt_joint_est

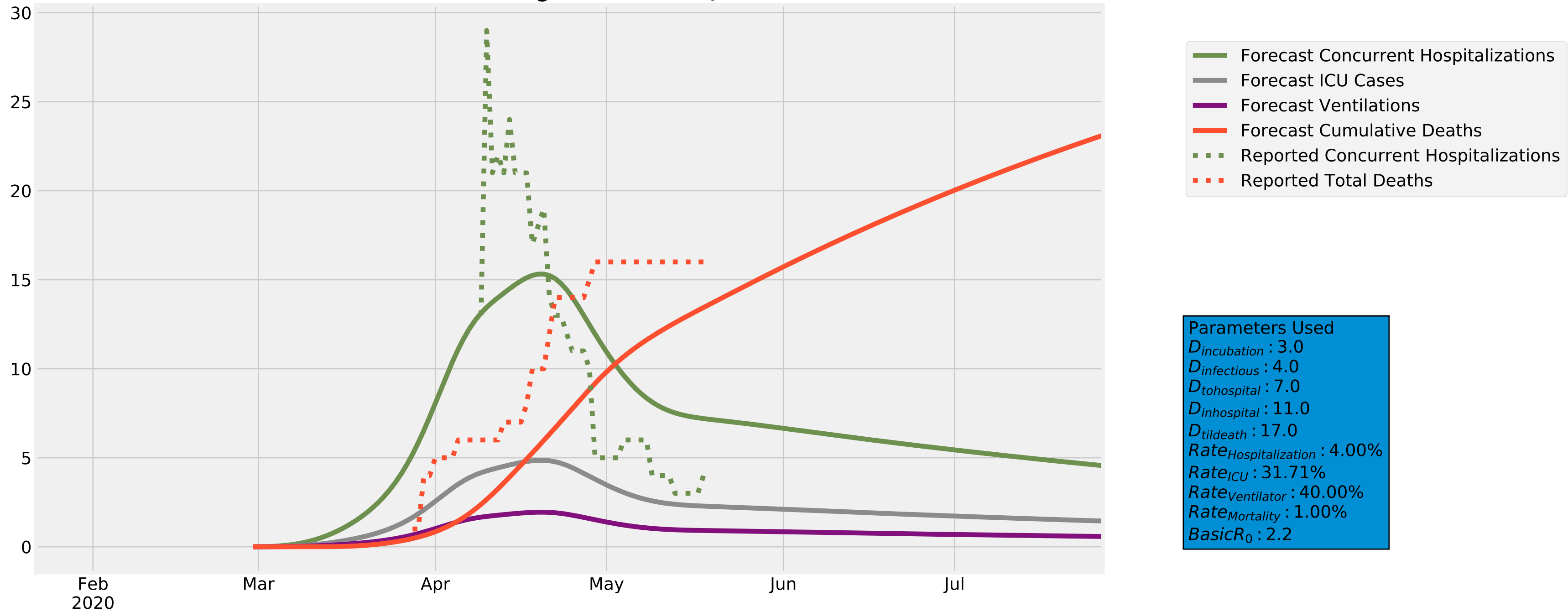
Parameters Used
 $D_{incubation} : 3.0$
 $D_{infectious} : 4.0$
 $D_{tohospital} : 7.0$
 $D_{inhospital} : 11.0$
 $D_{tildeath} : 17.0$
 $Rate_{Hospitalization} : 4.00\%$
 $Rate_{ICU} : 31.71\%$
 $Rate_{Ventilator} : 40.00\%$
 $Rate_{Mortality} : 1.00\%$
 $BasicR_0 : 2.2$

Simultaneous Infections Forecast Montana: No Change in Future R_t Scenario



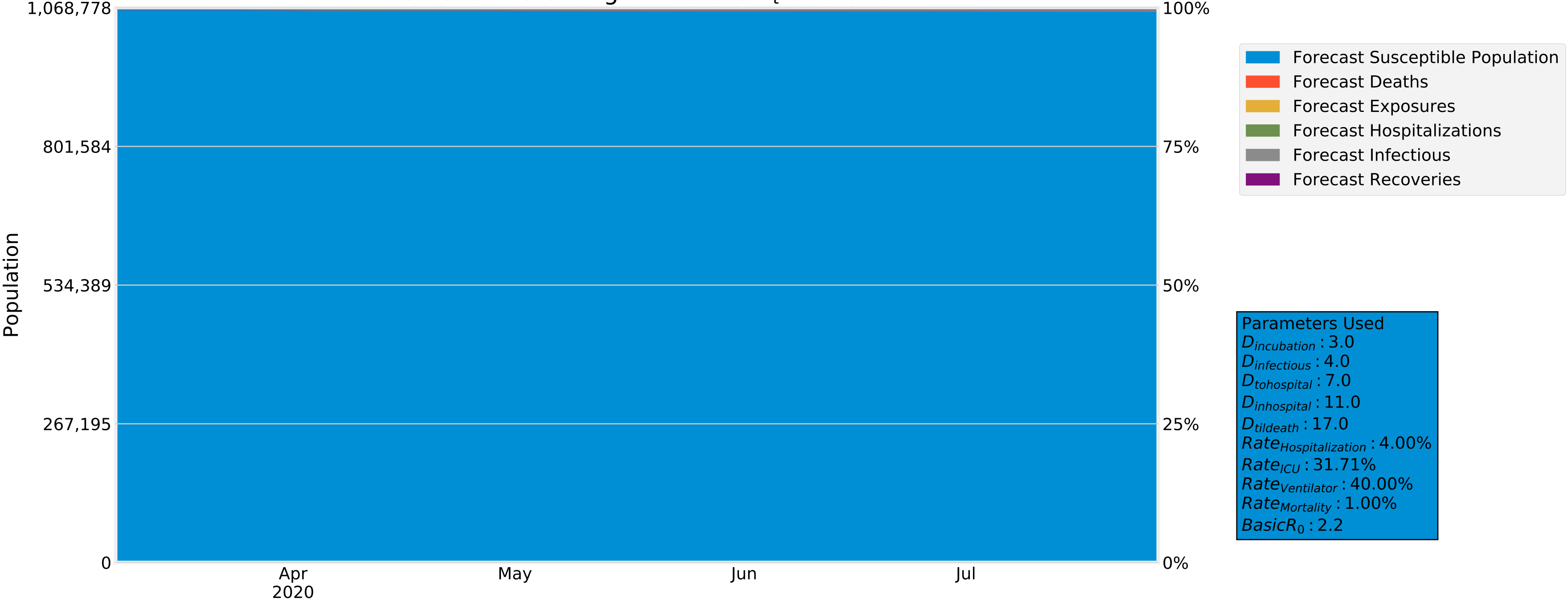
Author: Michael Donnelly (twtr: @donnellymjd)
Chart created on 19 May 2020

Hospitalization and Deaths Forecast
Montana: No Change in Future R_t Scenario



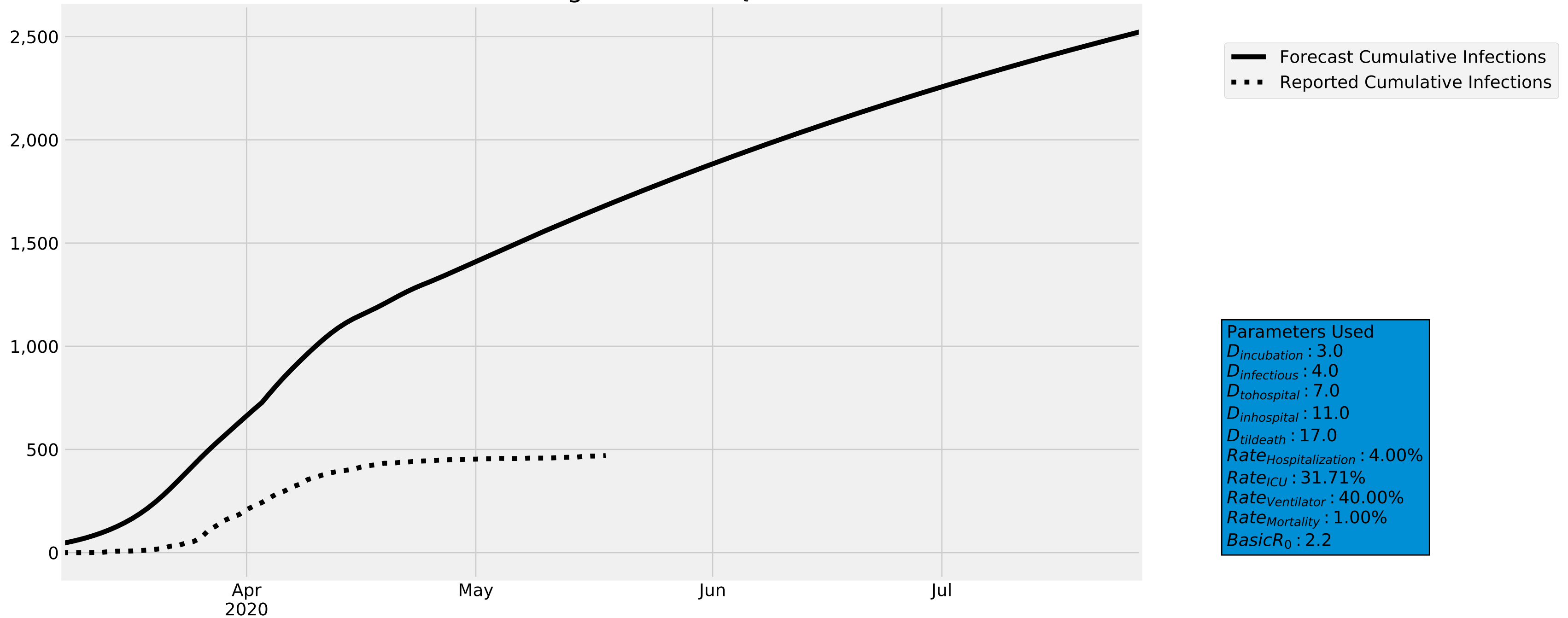
Author: Michael Donnelly (twtr: @donnellymjd)
Chart created on 19 May 2020

Population Overview Forecast
Montana: No Change in Future R_t Scenario



Cumulative Infections Forecast

Montana: No Change in Future R_t Scenario



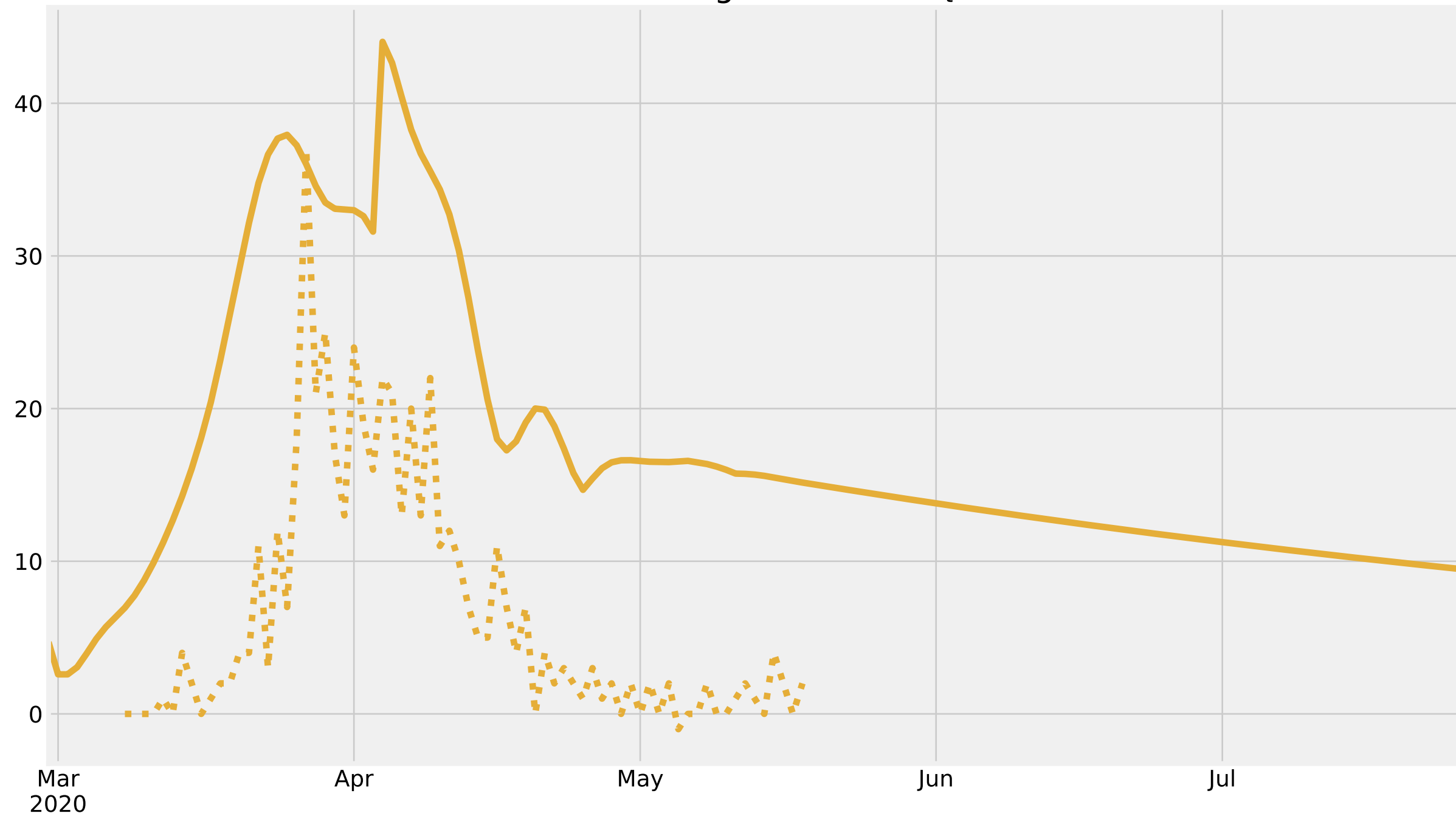
Parameters Used

- $D_{incubation}$: 3.0
- $D_{infectious}$: 4.0
- $D_{tohospital}$: 7.0
- $D_{inhospital}$: 11.0
- $D_{tildeath}$: 17.0
- $Rate_{Hospitalization}$: 4.00%
- $Rate_{ICU}$: 31.71%
- $Rate_{Ventilator}$: 40.00%
- $Rate_{Mortality}$: 1.00%
- $BasicR_0$: 2.2

Author: Michael Donnelly (twtr: @donnellymjd)
Chart created on 19 May 2020

Daily Exposures Forecast

Montana: No Change in Future R_t Scenario



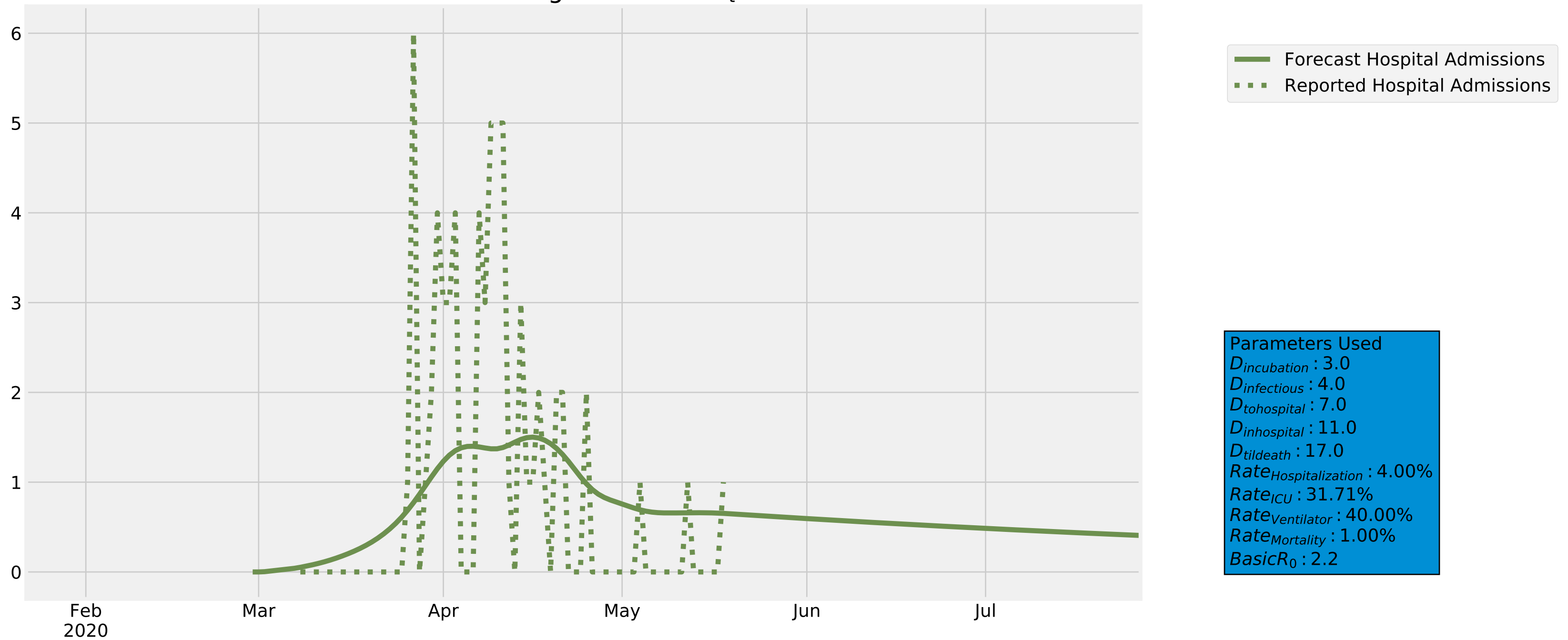
Forecast Daily New Infections (Exposed)
Reported Daily New Infections (Exposed)

Parameters Used
 $D_{incubation}$: 3.0
 $D_{infectious}$: 4.0
 $D_{tohospital}$: 7.0
 $D_{inhospital}$: 11.0
 $D_{tildeath}$: 17.0
 $Rate_{Hospitalization}$: 4.00%
 $Rate_{ICU}$: 31.71%
 $Rate_{Ventilator}$: 40.00%
 $Rate_{Mortality}$: 1.00%
 $BasicR_0$: 2.2

Author: Michael Donnelly (twtr: @donnellymjd)
Chart created on 19 May 2020

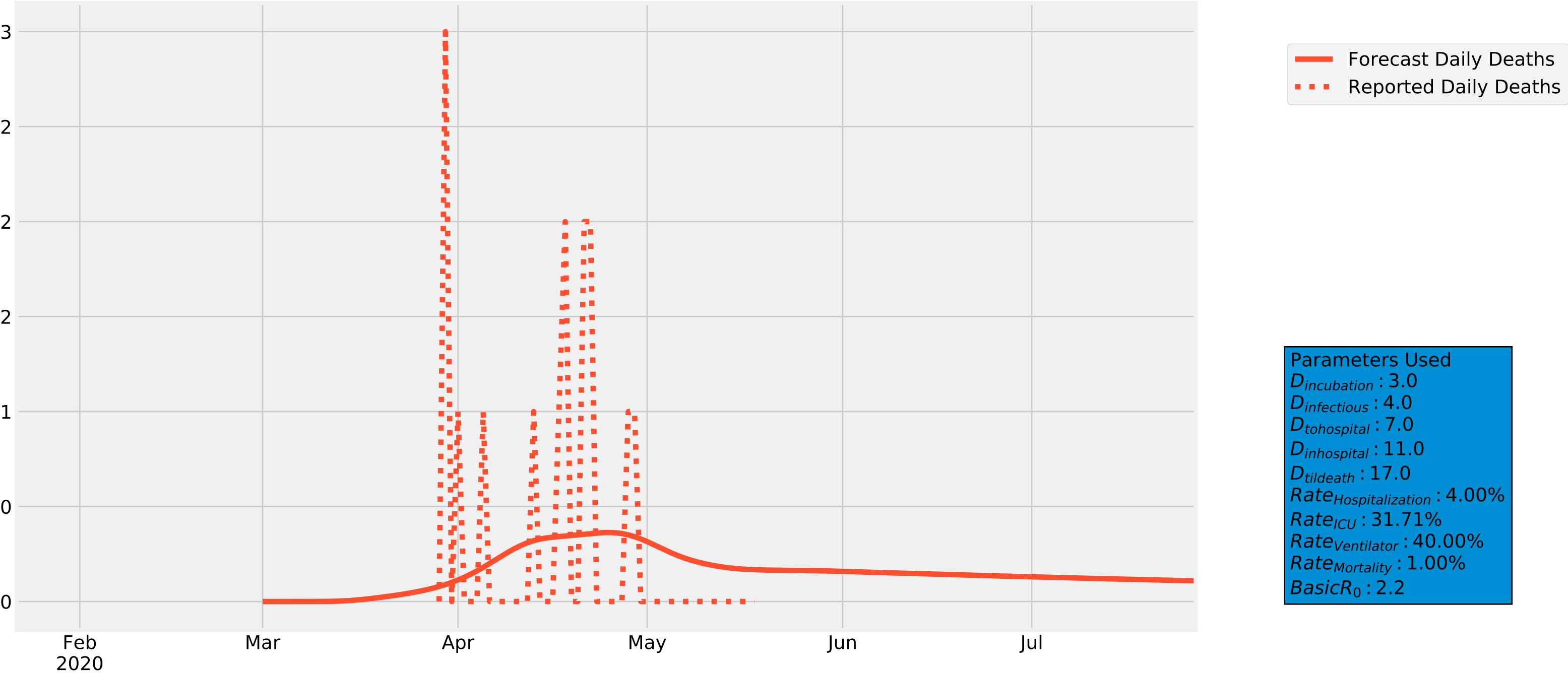
Daily Hospital Admissions Forecast

Montana: No Change in Future R_t Scenario



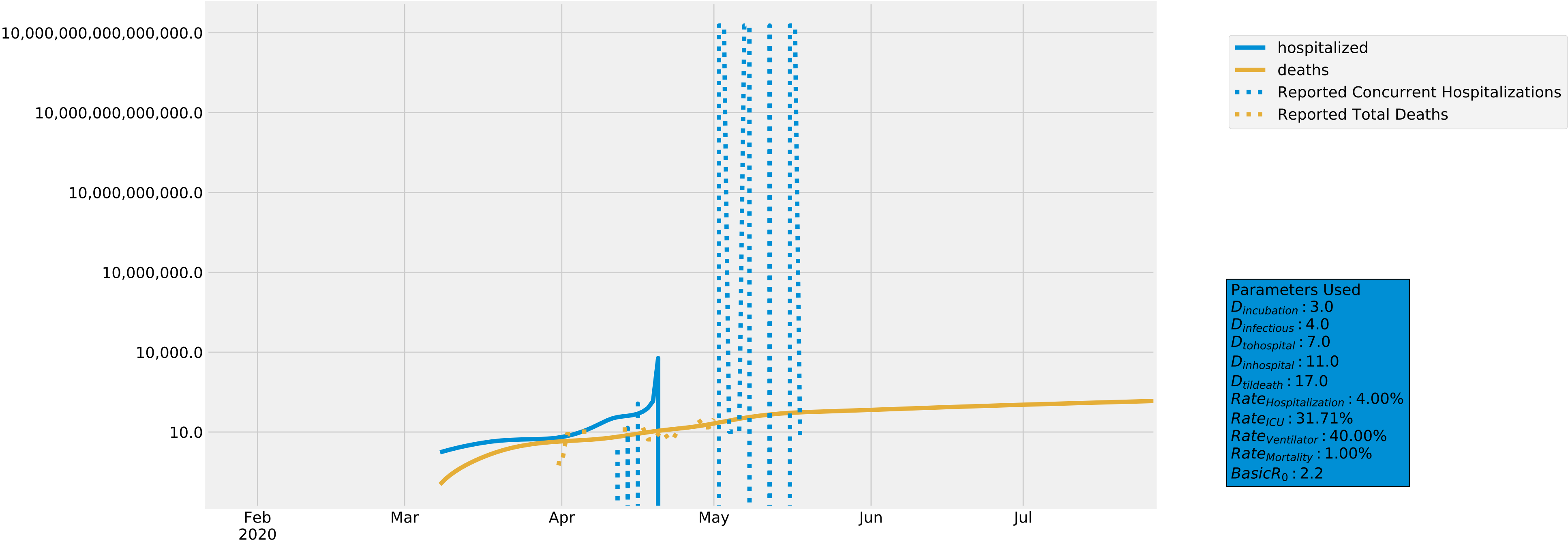
Author: Michael Donnelly (twtr: @donnellymjd)
Chart created on 19 May 2020

Daily Deaths Forecast
Montana: No Change in Future R_t Scenario



Author: Michael Donnelly (twtr: @donnellymjd)
Chart created on 19 May 2020

Doubling Rate Forecast
Montana: No Change in Future R_t Scenario



Author: Michael Donnelly (twtr: @donnellymjd)
Chart created on 19 May 2020