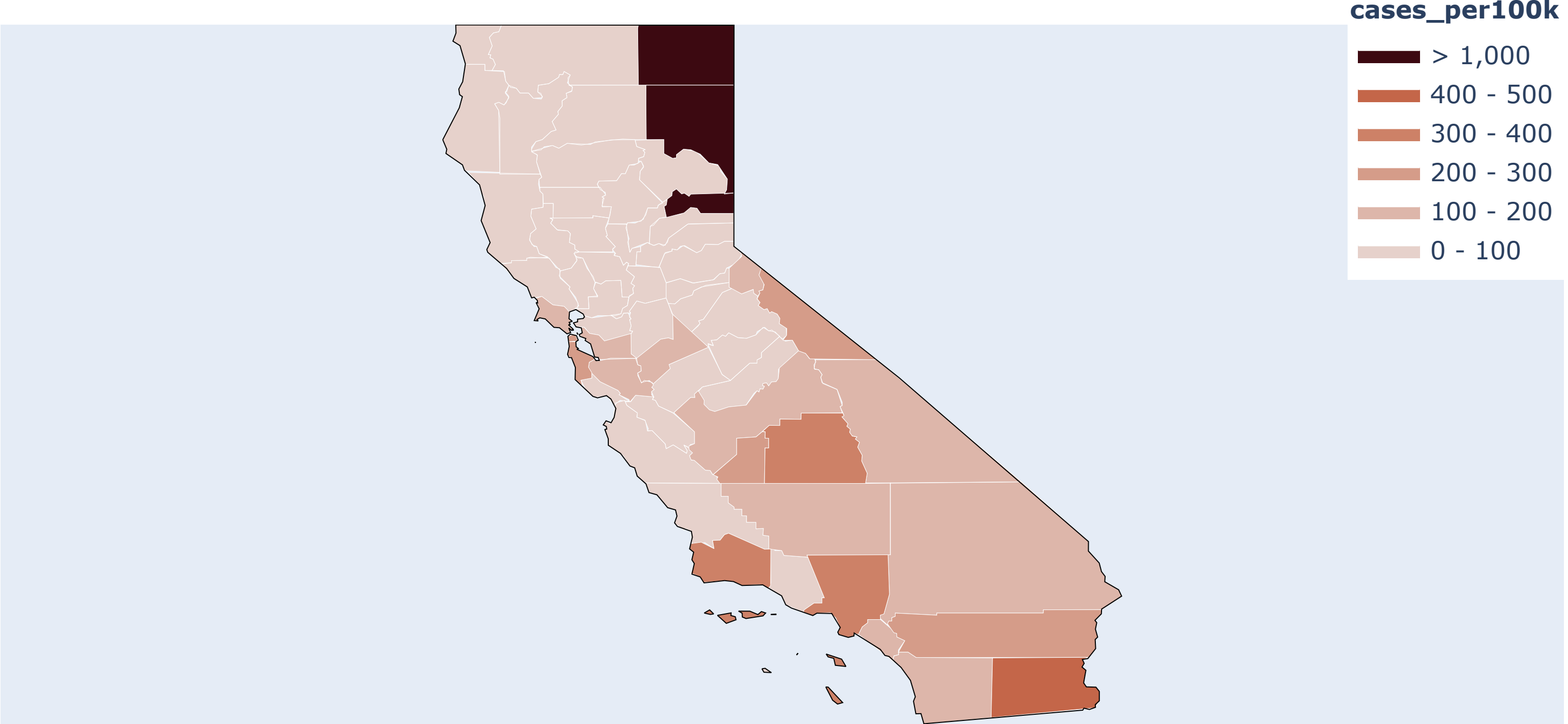
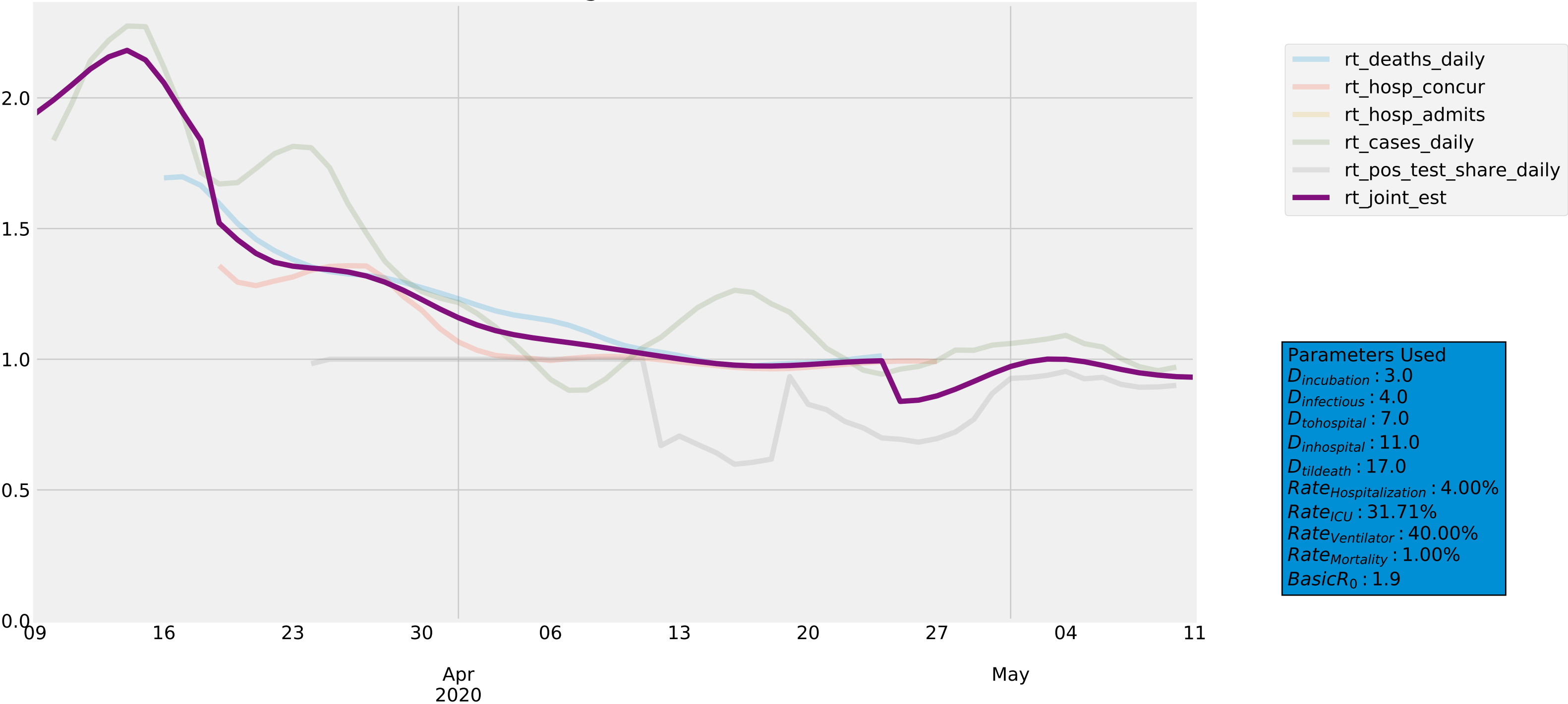


California: COVID-19 Cases Per 100k Residents



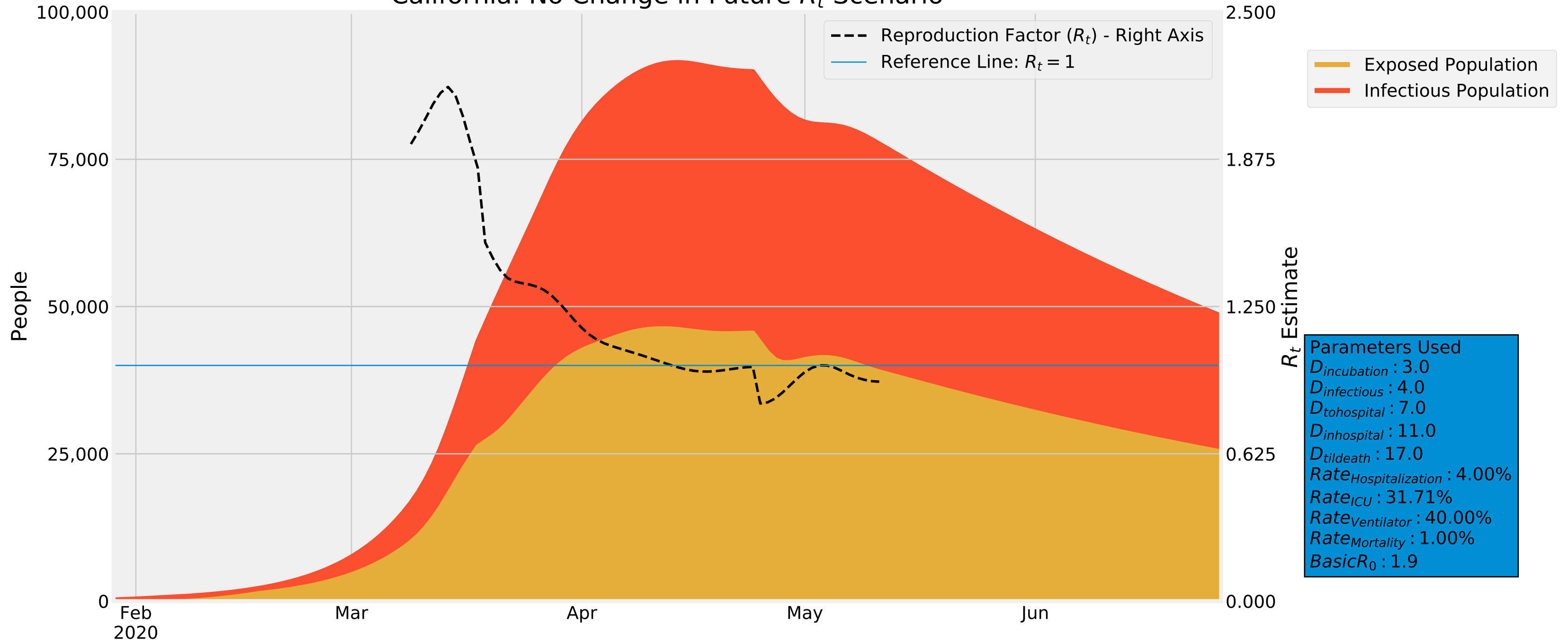
Reproduction Rate (R_t) Estimates
California: No Change in Future R_t Scenario



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

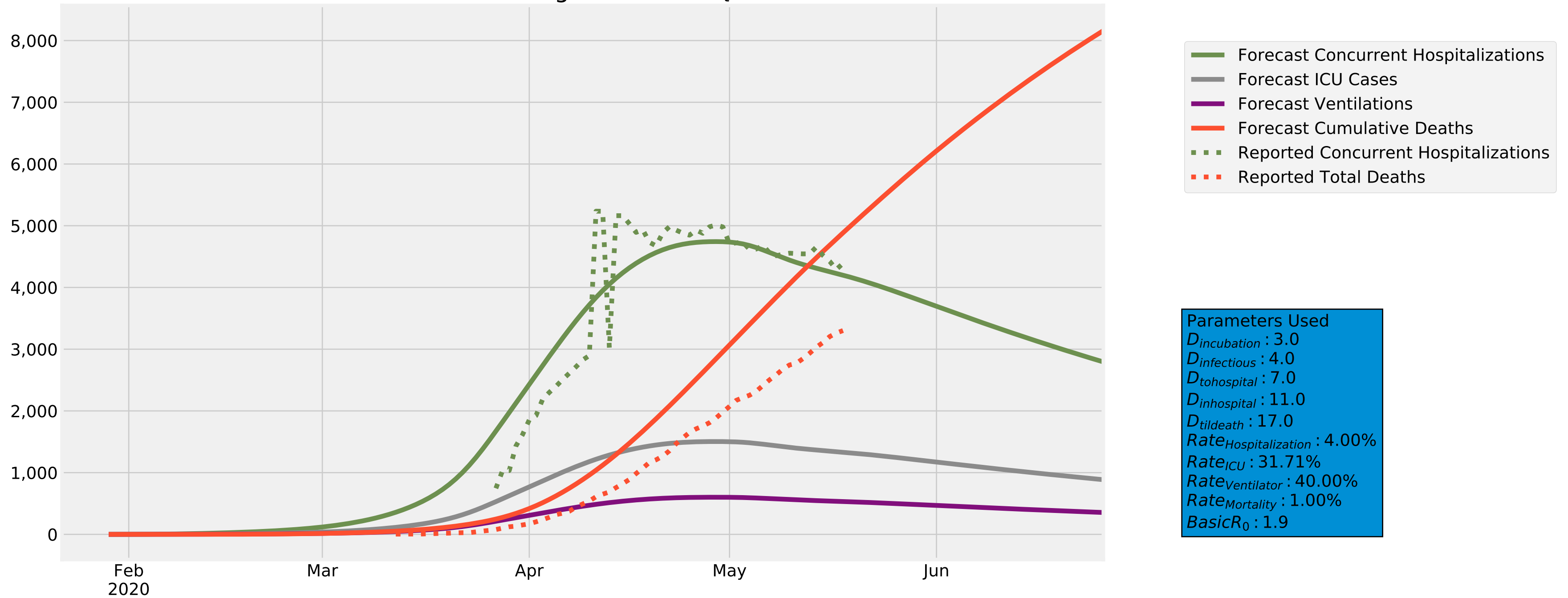
Simultaneous Infections Forecast

California: No Change in Future R_t Scenario



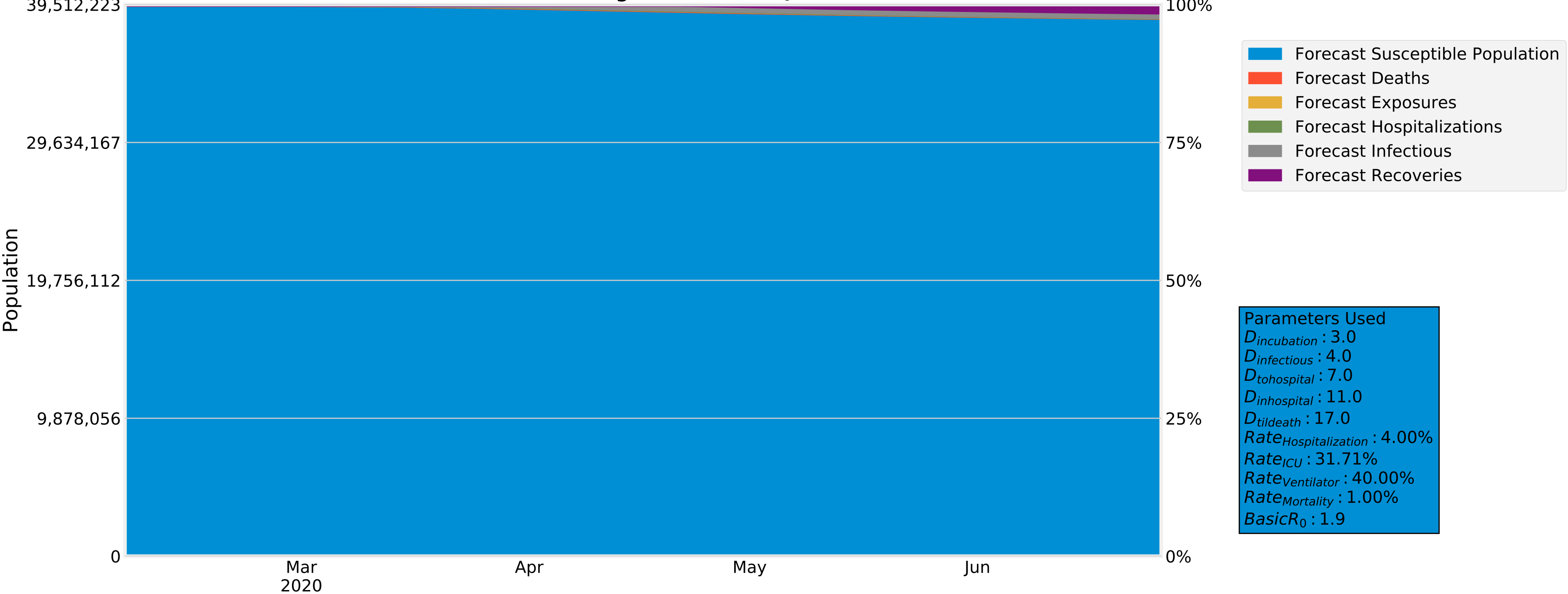
Author: Michael Donnelly (twtr: @donnellymjd)
Chart created on 19 May 2020

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

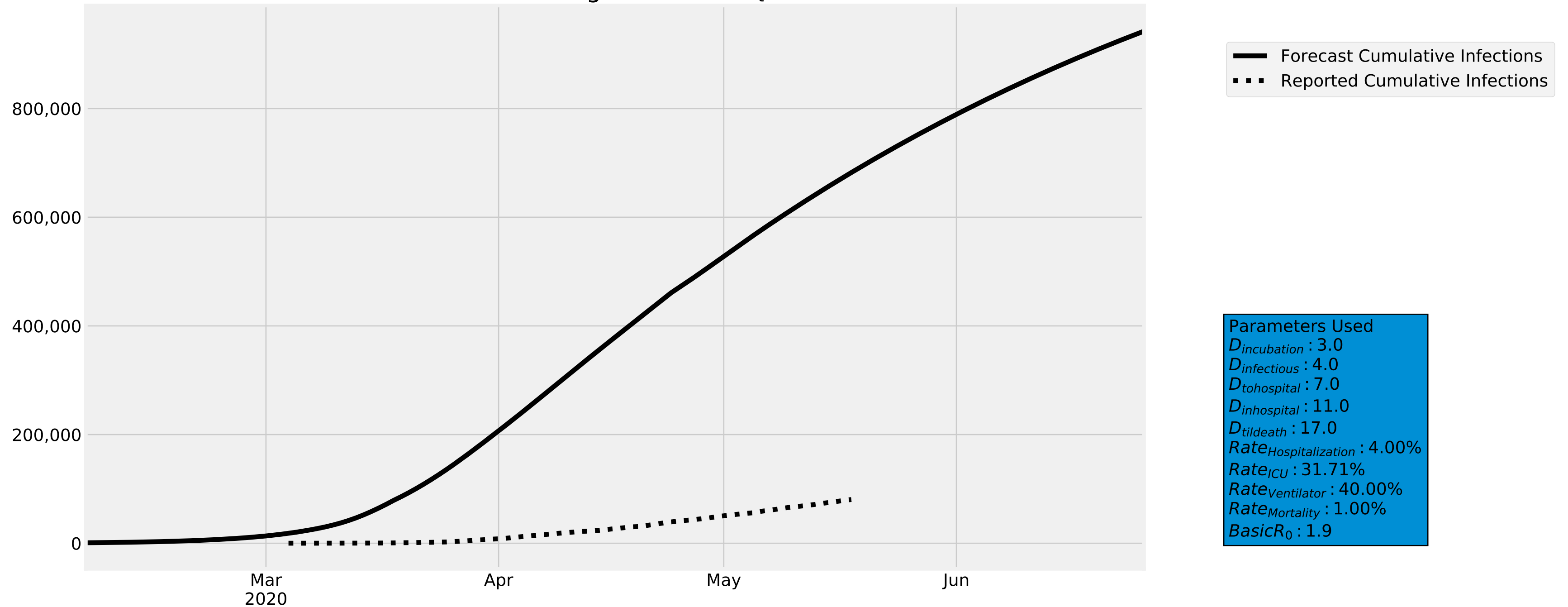


Author: Michael Donnelly (twtr: @donnellymjd)
Chart created on 19 May 2020

Population Overview Forecast
California: No Change in Future R_t Scenario

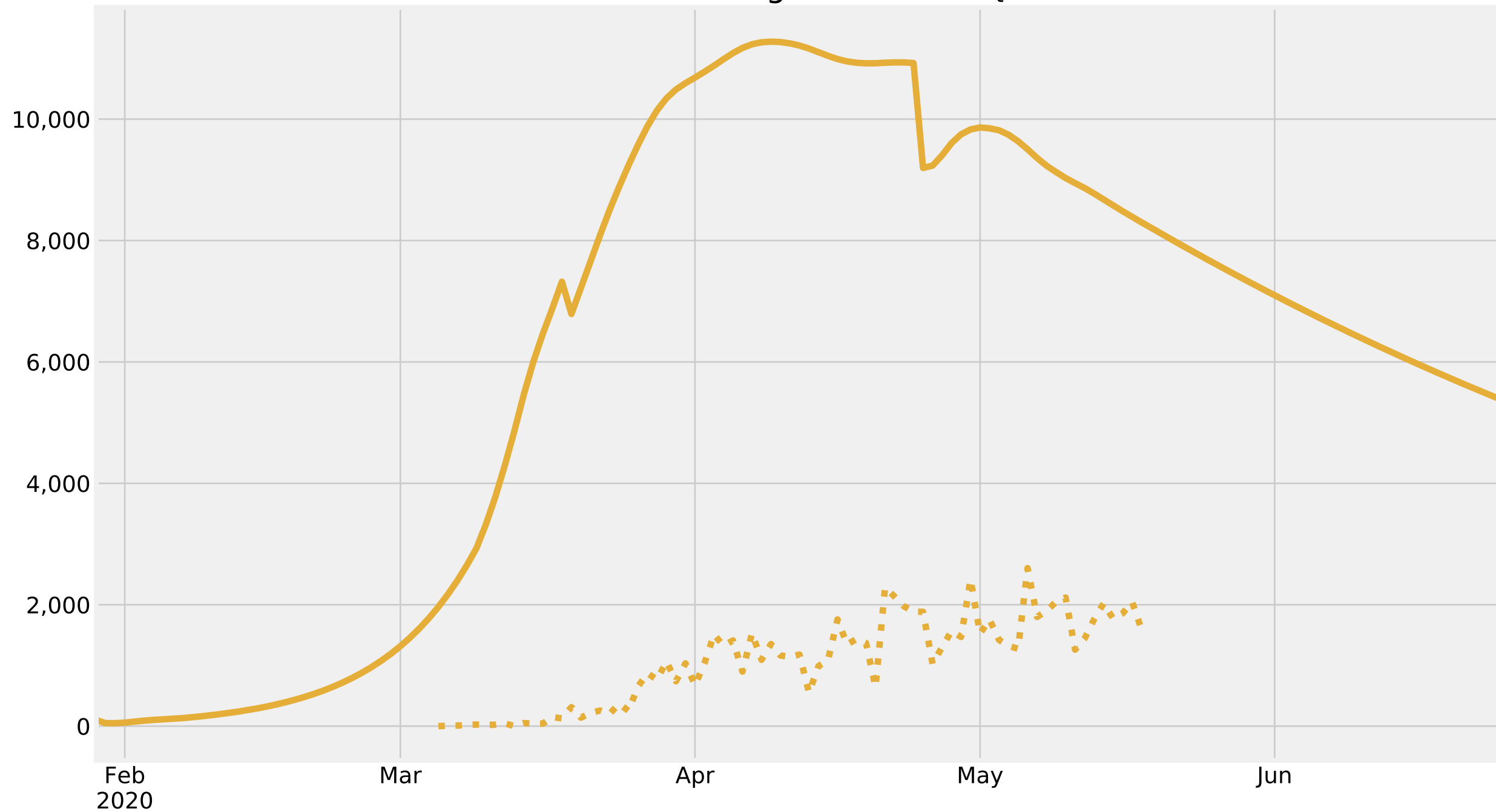


Cumulative Infections Forecast California: No Change in Future R_t Scenario



Author: Michael Donnelly (twtr: @donnellymjd)
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Daily Exposures Forecast California: No Change in Future R_t Scenario

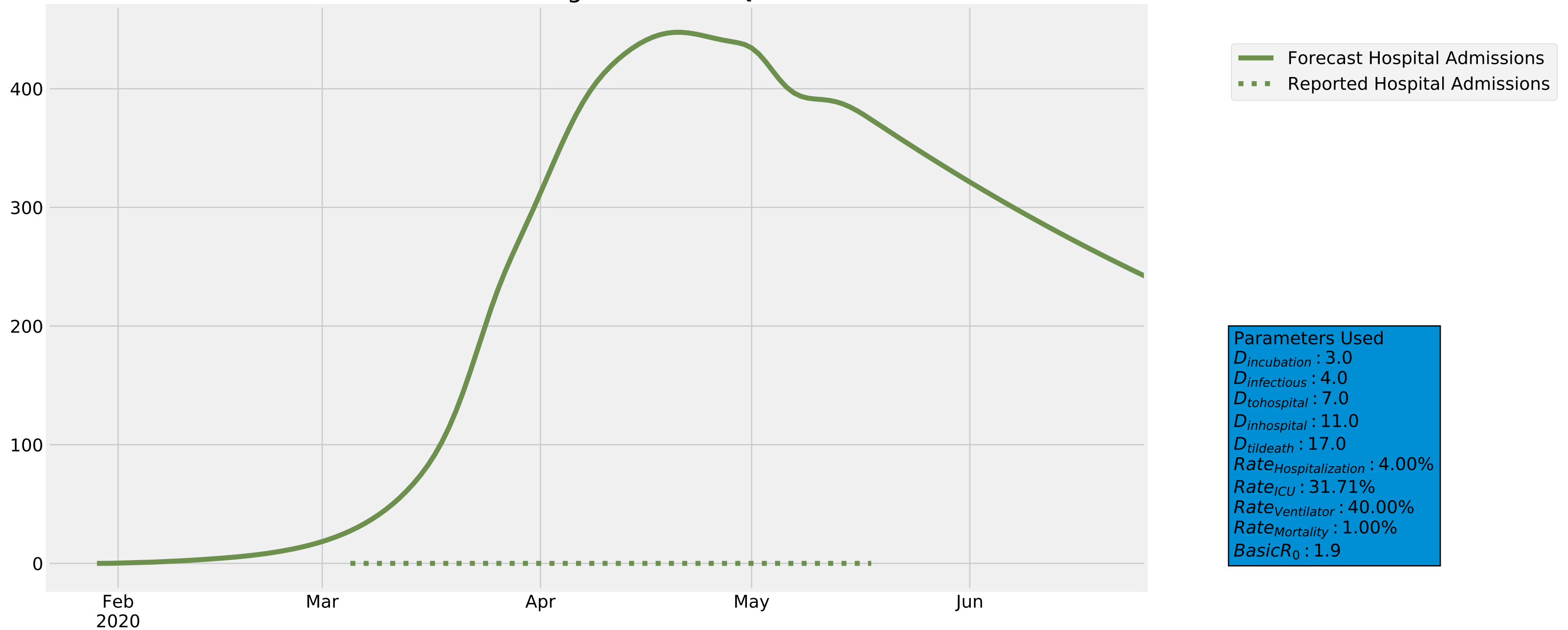


Forecast Daily New Infections (Exposed)
Reported Daily New Infections (Exposed)

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%
 $BasicR_0$: 1.9

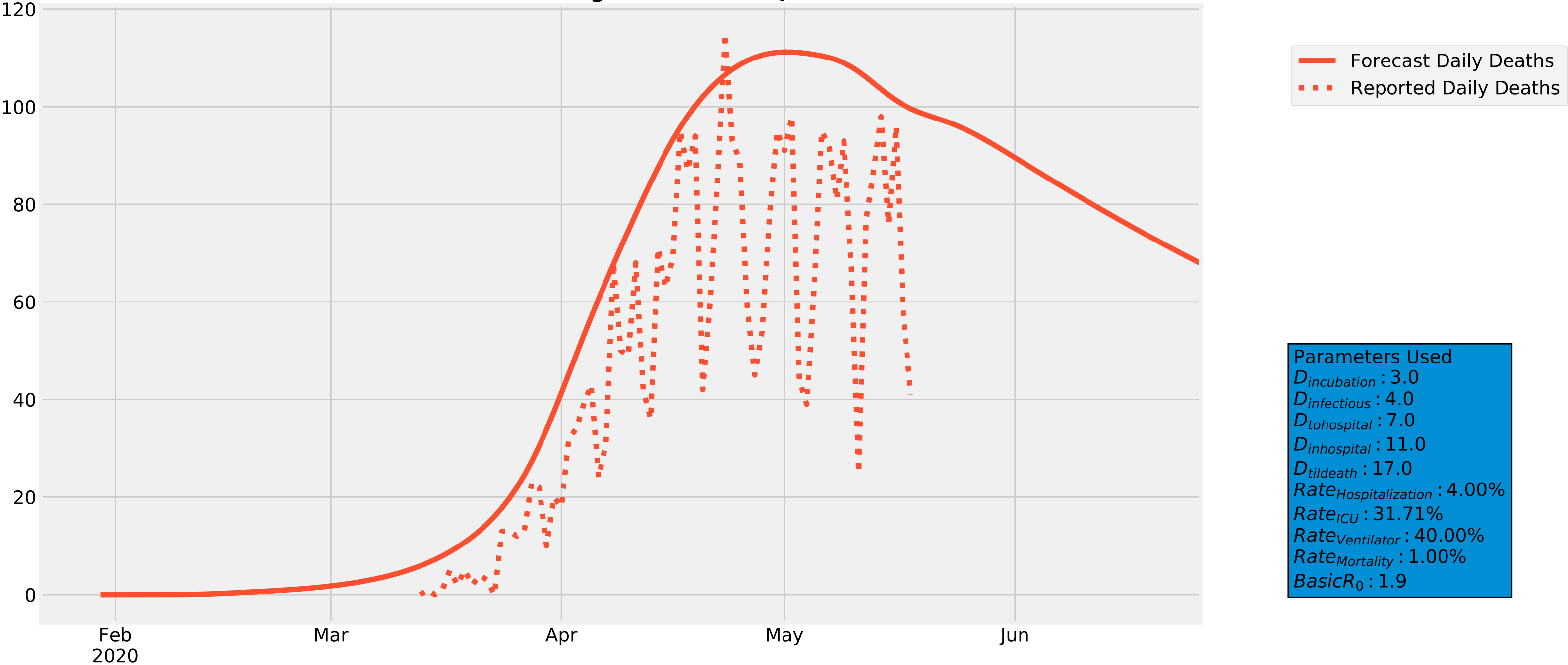
Author: Michael Donnelly (twtr: @donnellymjd)
Chart created on 19 May 2020

Daily Hospital Admissions Forecast California: No Change in Future R_t Scenario



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

Daily Deaths Forecast
California: No Change in Future R_t Scenario

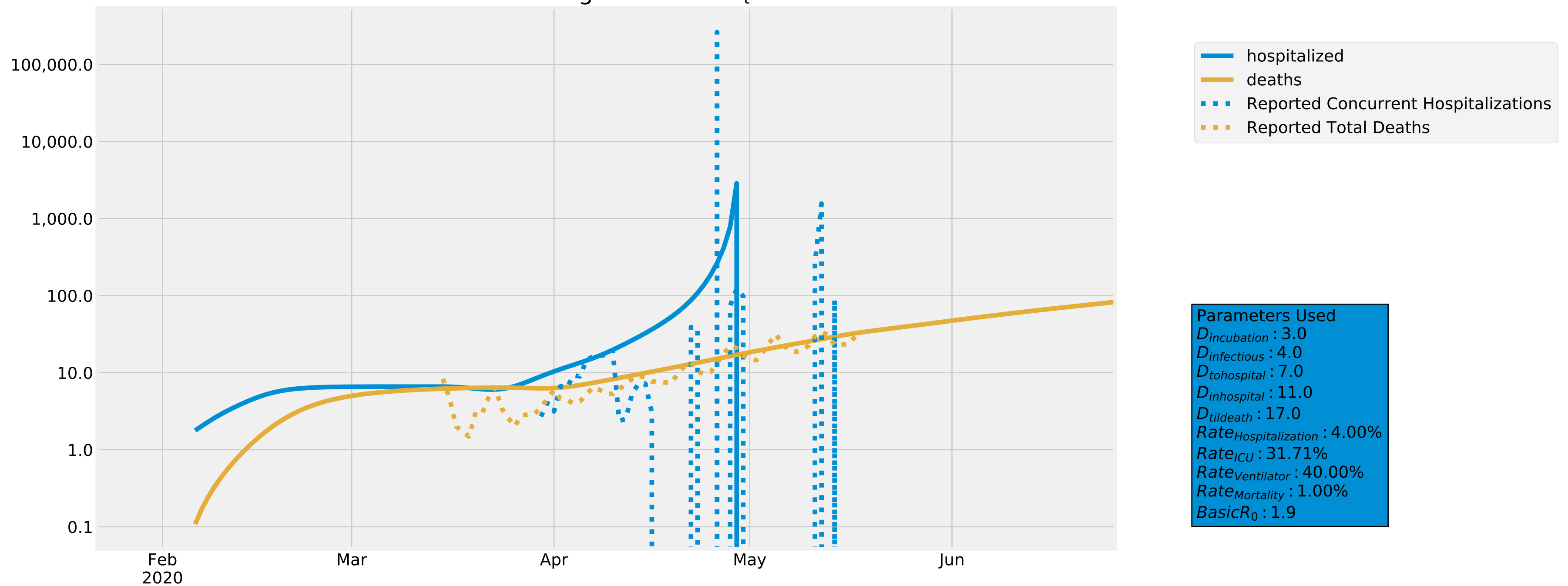


Parameters Used

- $D_{incubation}$: 3.0
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- $D_{tildeath}$: 17.0
- $Rate_{Hospitalization}$: 4.00%
- $Rate_{ICU}$: 31.71%
- $Rate_{Ventilator}$: 40.00%
- $Rate_{Mortality}$: 1.00%
- $BasicR_0$: 1.9

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

Doubling Rate Forecast California: No Change in Future R_t Scenario



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