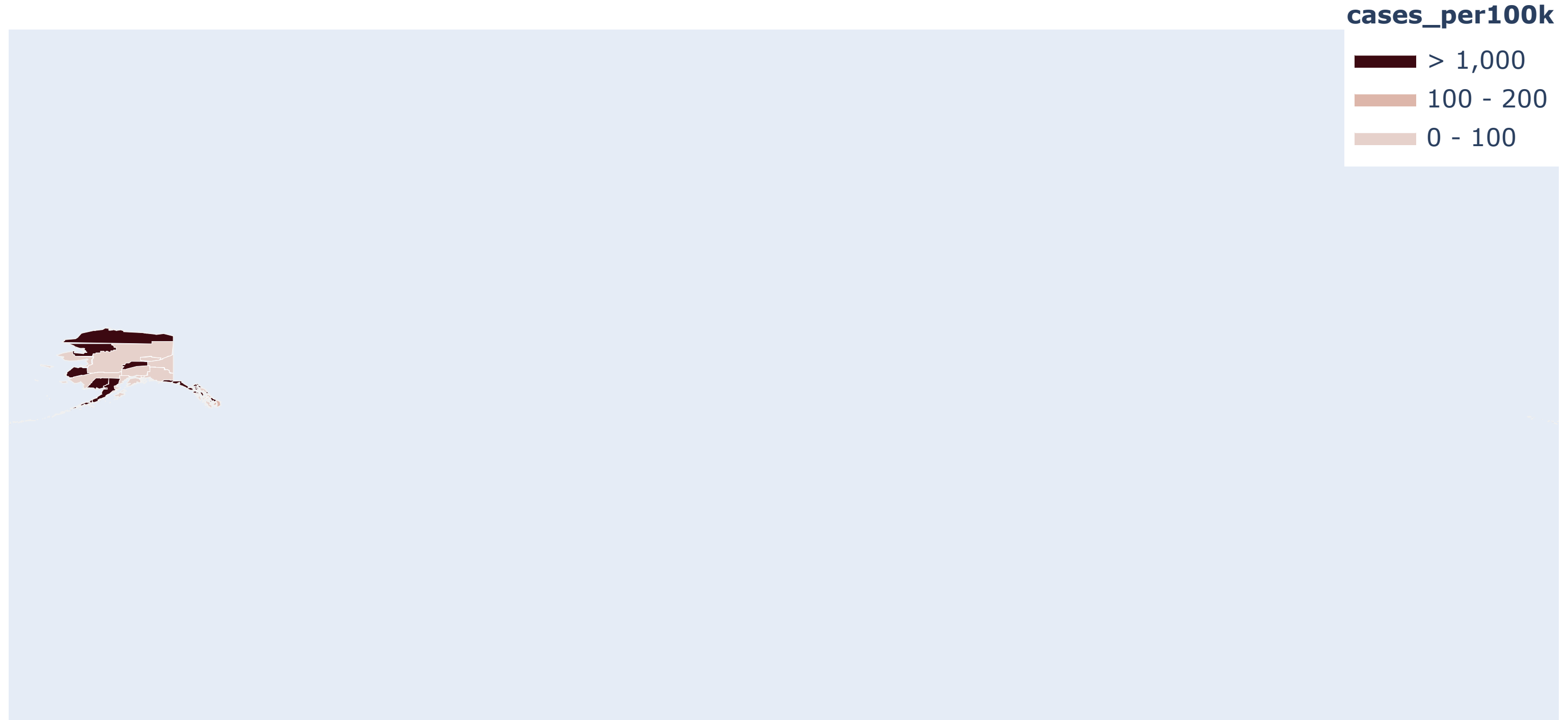
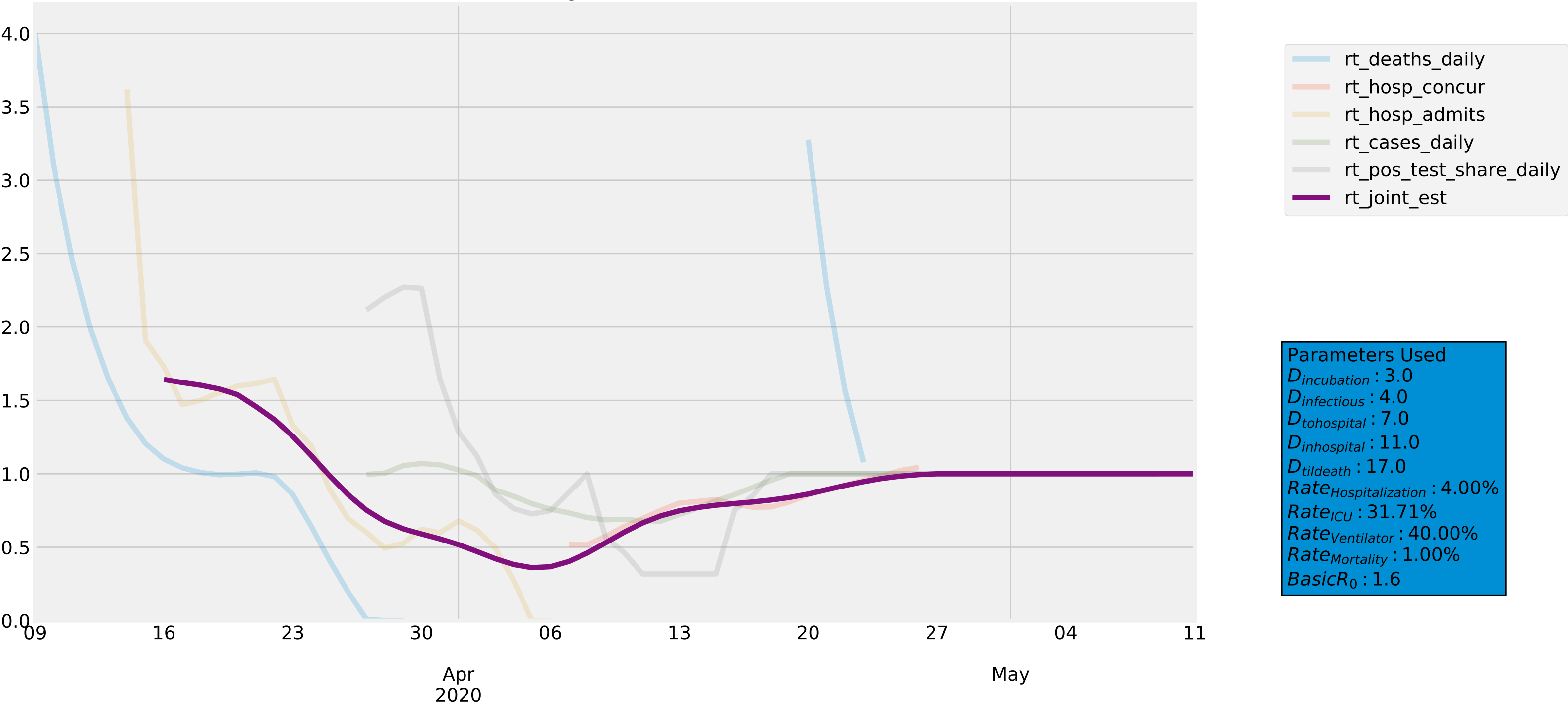


## Alaska: COVID-19 Cases Per 100k Residents



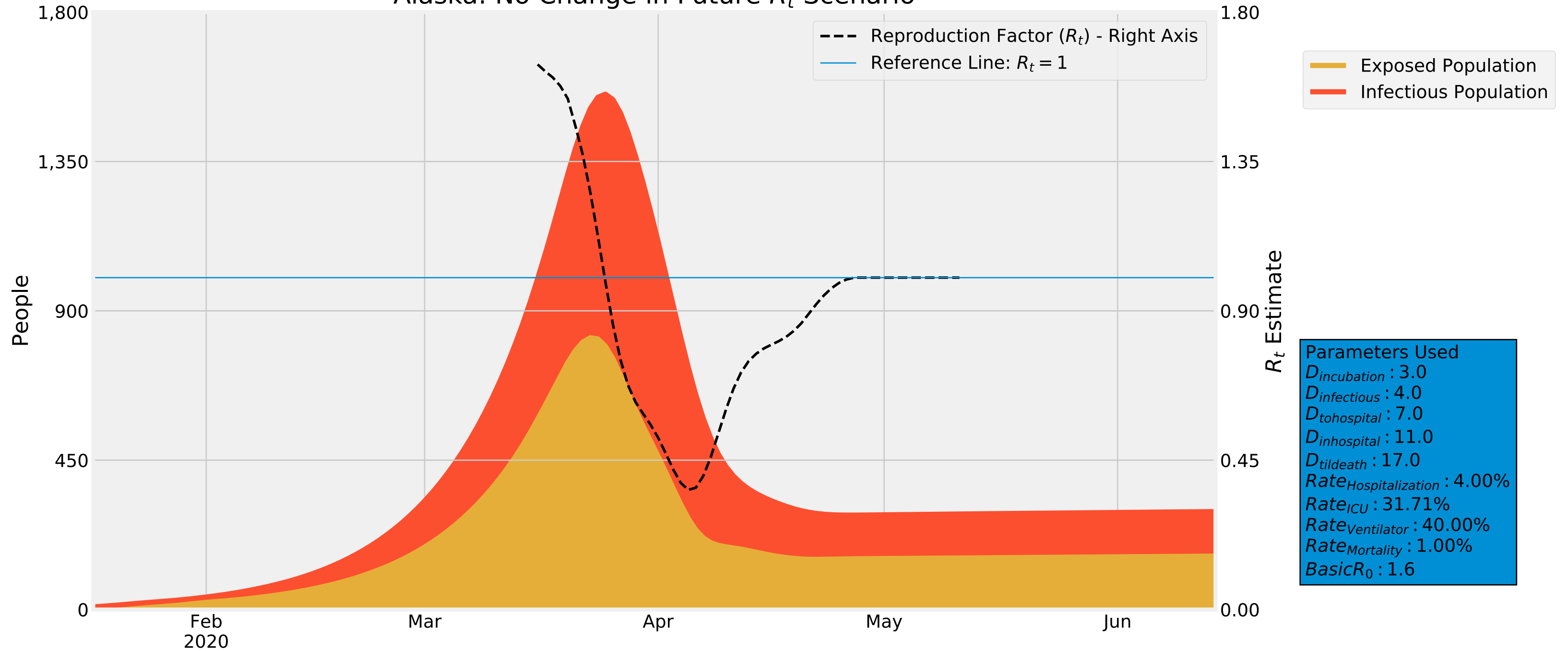
Reproduction Rate ( $R_t$ ) Estimates  
Alaska: No Change in Future  $R_t$  Scenario



Author: Michael Donnelly (twtr: @donnellymjd)  
Chart created on 18 May 2020

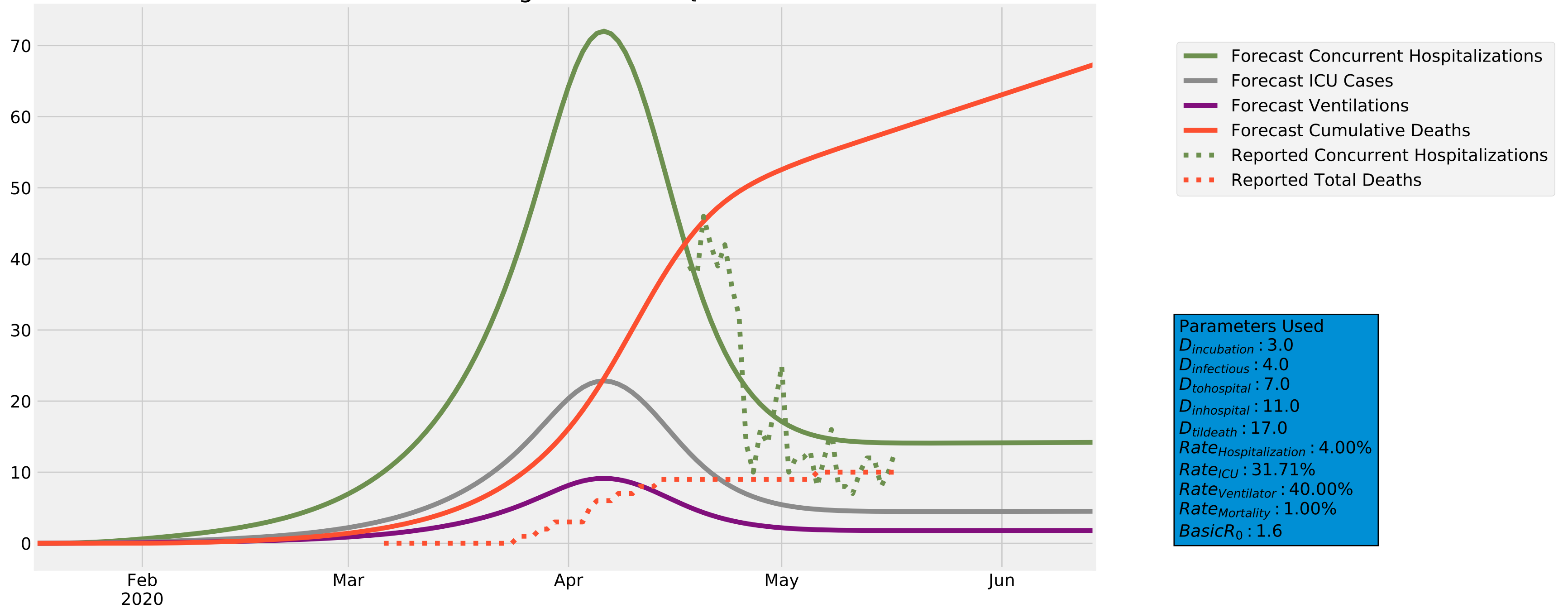
# Simultaneous Infections Forecast

## Alaska: No Change in Future $R_t$ Scenario



Author: Michael Donnelly (twtr: @donnellymjd)  
Chart created on 18 May 2020

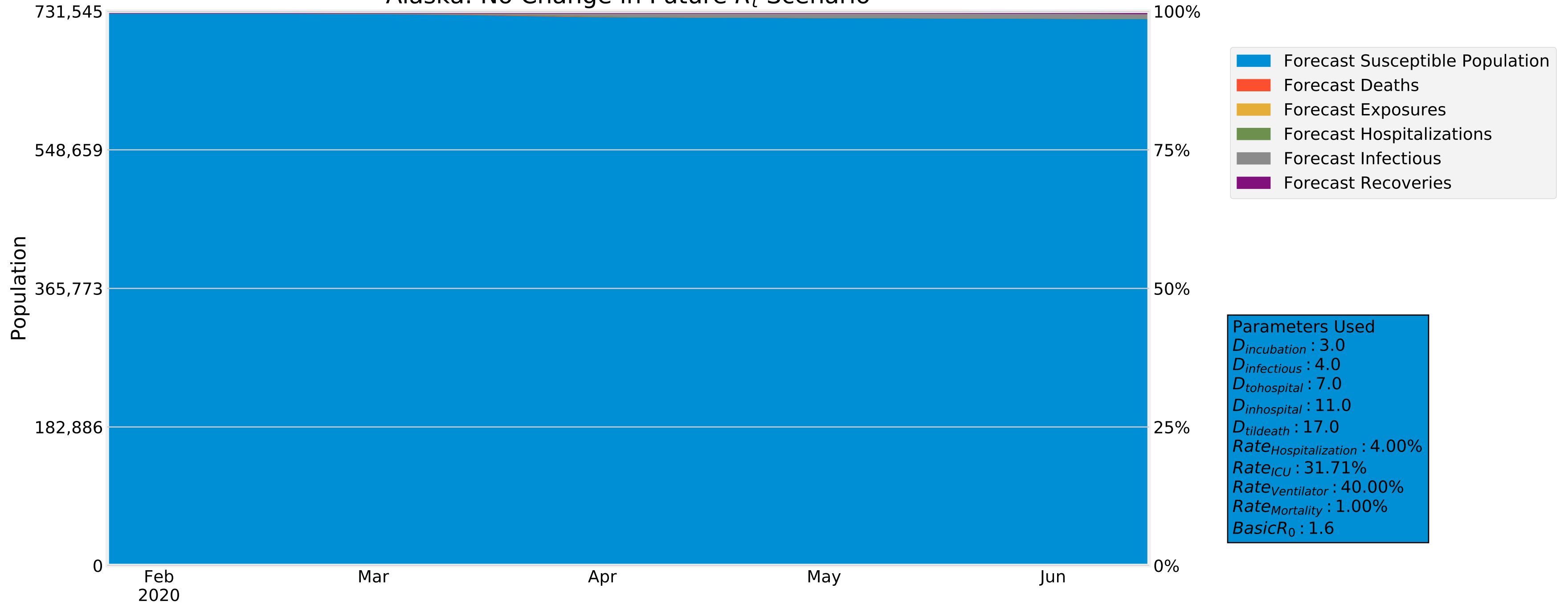
# Hospitalization and Deaths Forecast Alaska: No Change in Future $R_t$ Scenario



Author: Michael Donnelly (twtr: @donnellymjd)  
Chart created on 18 May 2020

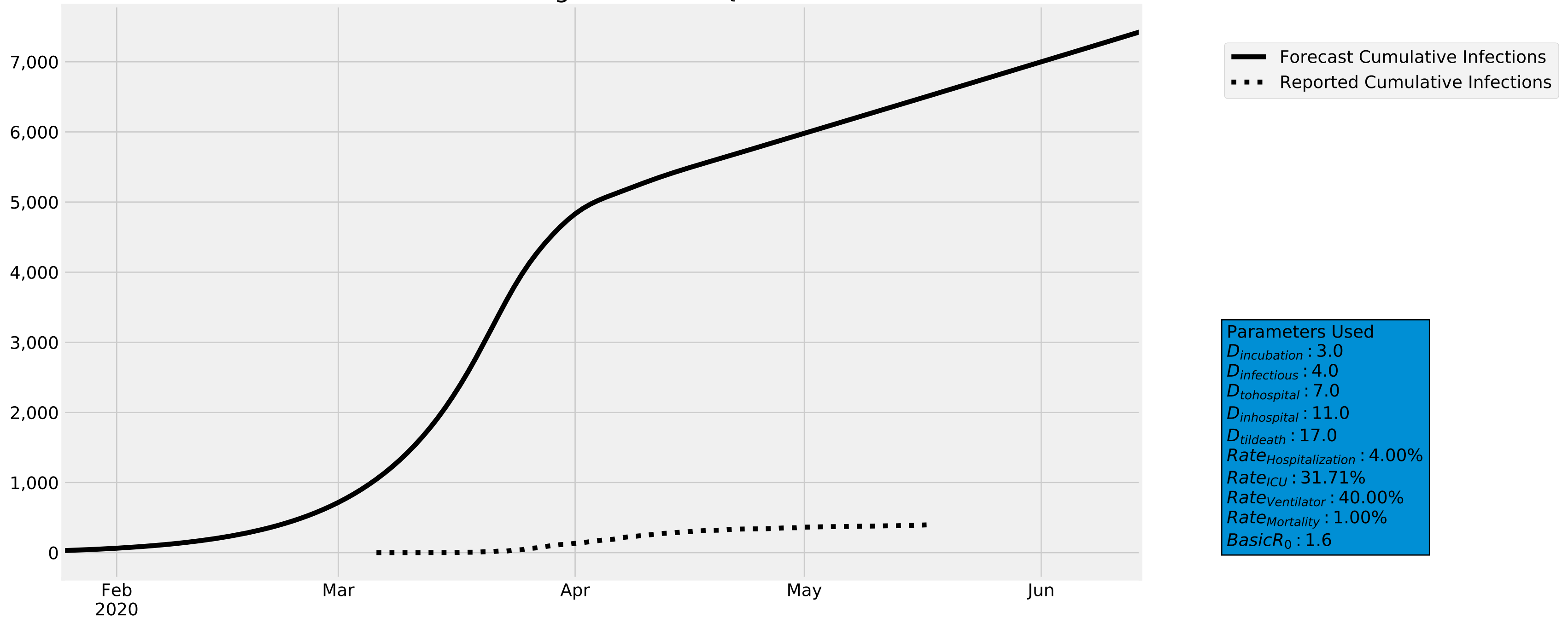
# Population Overview Forecast

## Alaska: No Change in Future $R_t$ Scenario



# Cumulative Infections Forecast

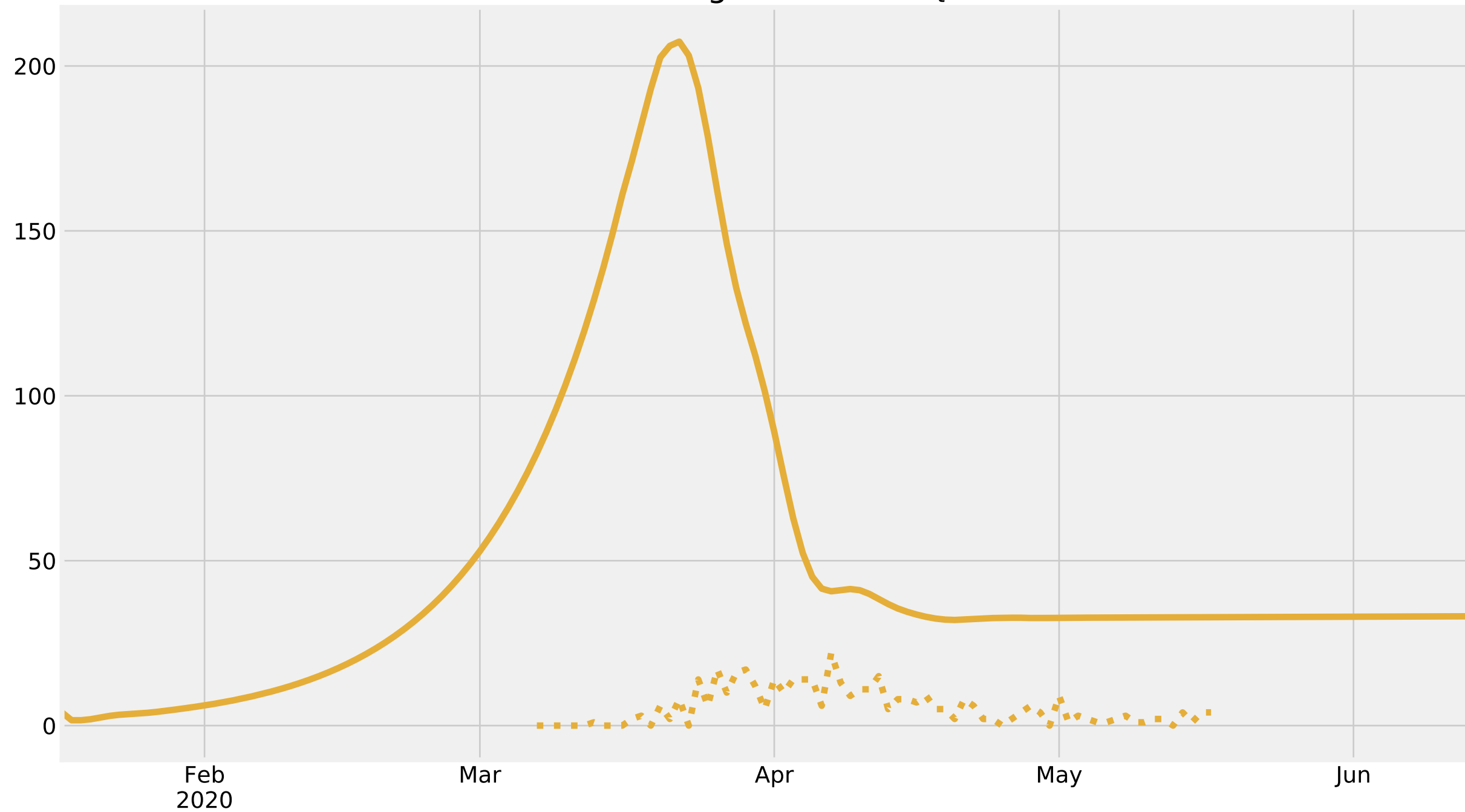
## Alaska: No Change in Future $R_t$ Scenario



Author: Michael Donnelly (twtr: @donnellymjd)  
Chart created on 18 May 2020

# Daily Exposures Forecast

## Alaska: No Change in Future $R_t$ Scenario

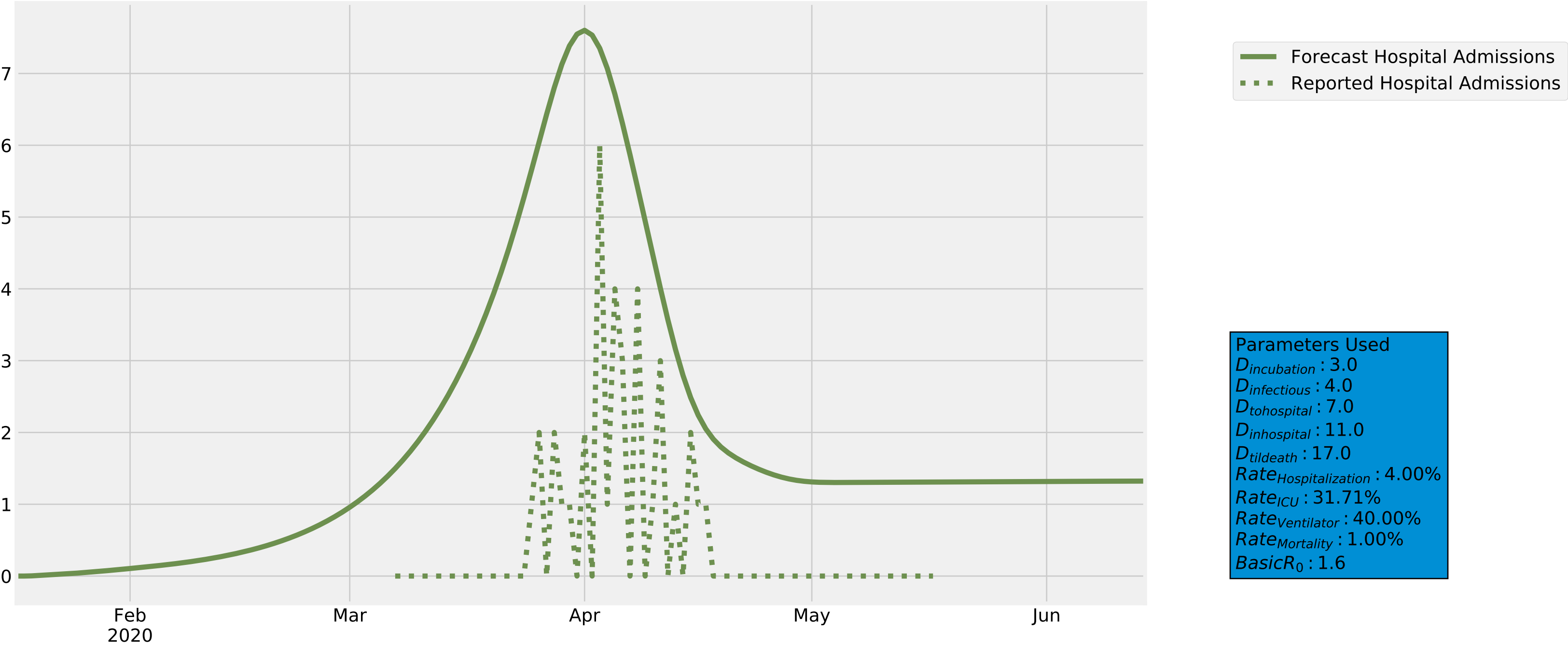


Forecast Daily New Infections (Exposed)  
Reported Daily New Infections (Exposed)

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%  
 $BasicR_0$  : 1.6

Author: Michael Donnelly (twtr: @donnellymjd)  
Chart created on 18 May 2020

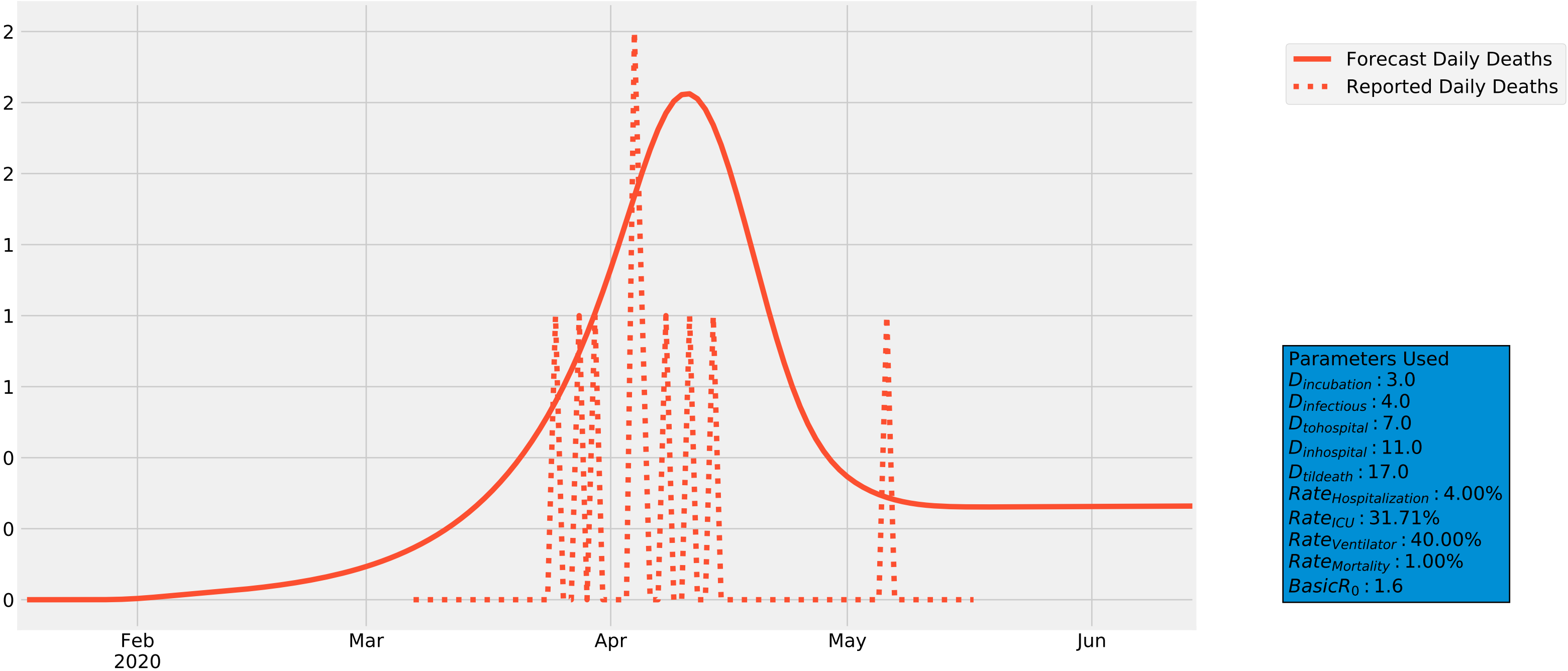
Daily Hospital Admissions Forecast  
Alaska: No Change in Future  $R_t$  Scenario



Author: Michael Donnelly (twtr: @donnellymjd)  
Chart created on 18 May 2020

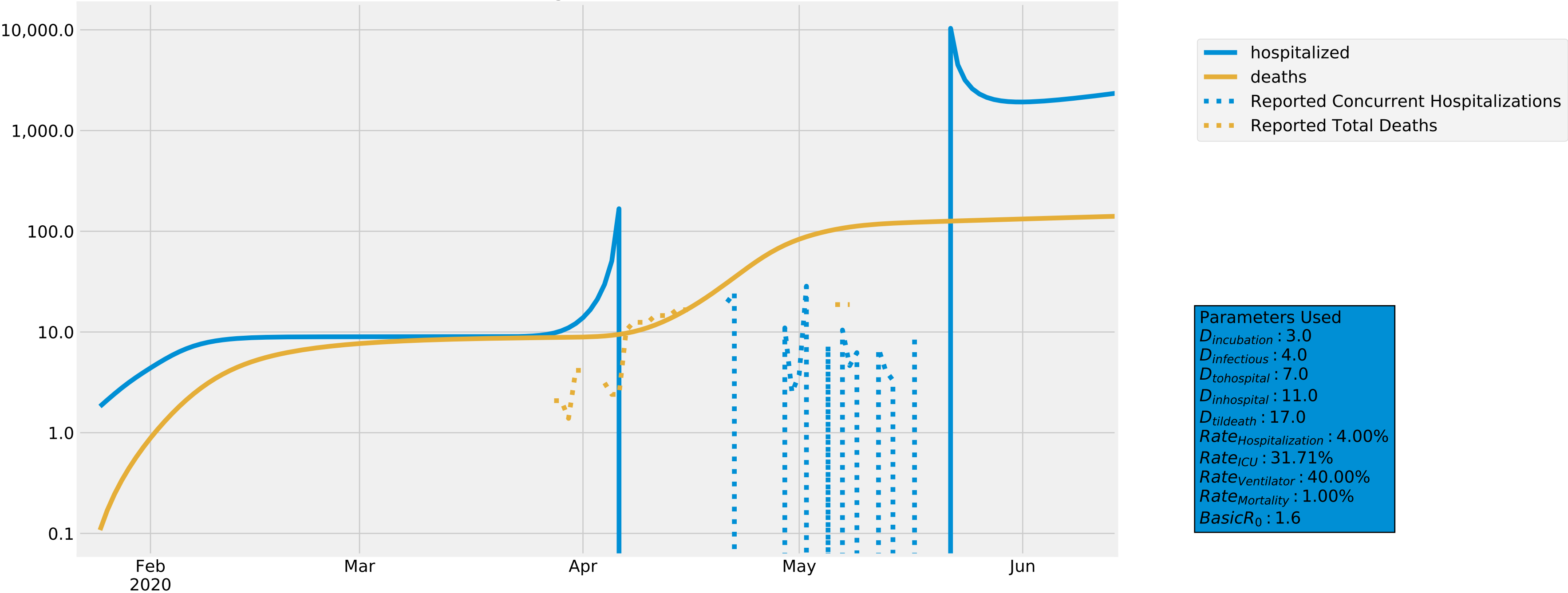


Daily Deaths Forecast  
Alaska: No Change in Future  $R_t$  Scenario



Author: Michael Donnelly (twtr: @donnellymjd)  
Chart created on 18 May 2020

Doubling Rate Forecast  
Alaska: No Change in Future  $R_t$  Scenario



Author: Michael Donnelly (twtr: @donnellymjd)  
Chart created on 18 May 2020