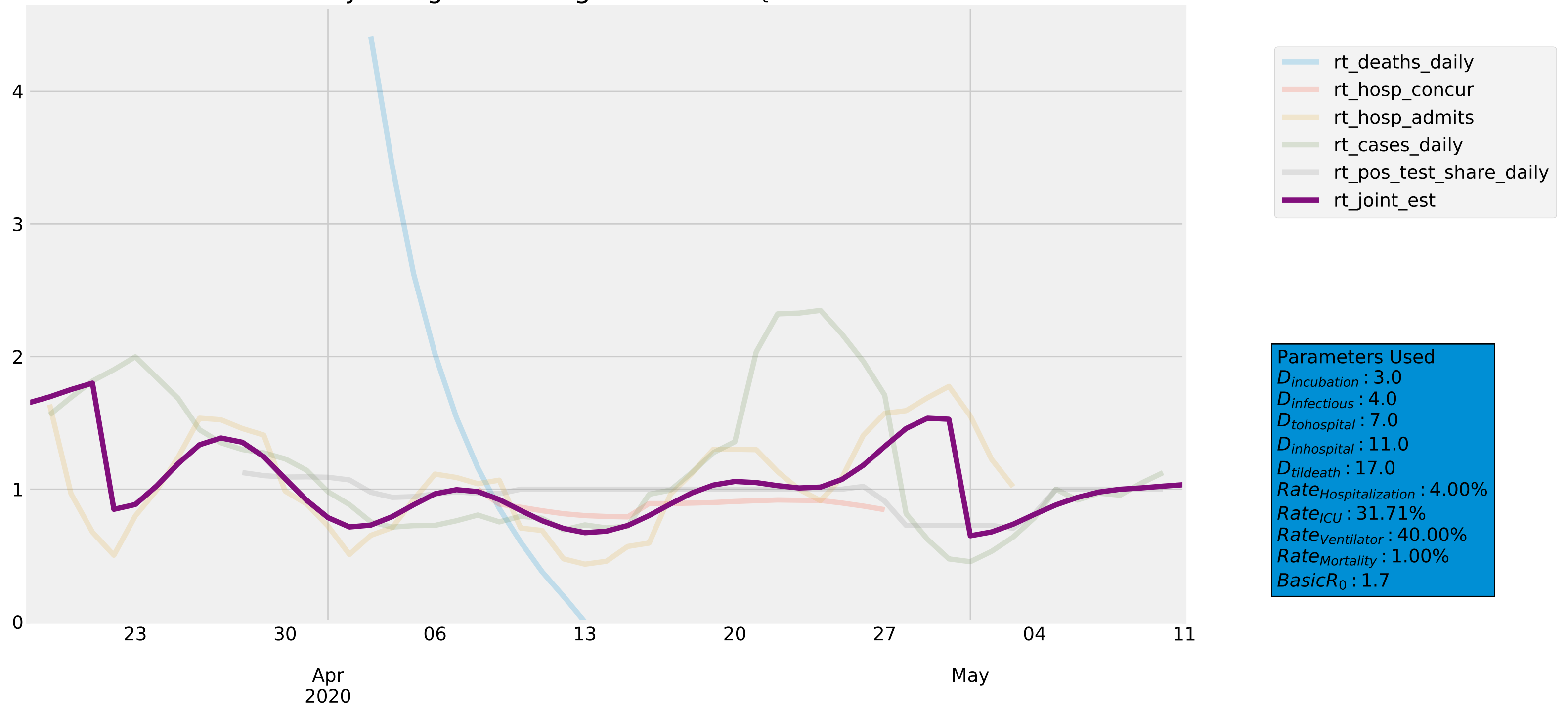


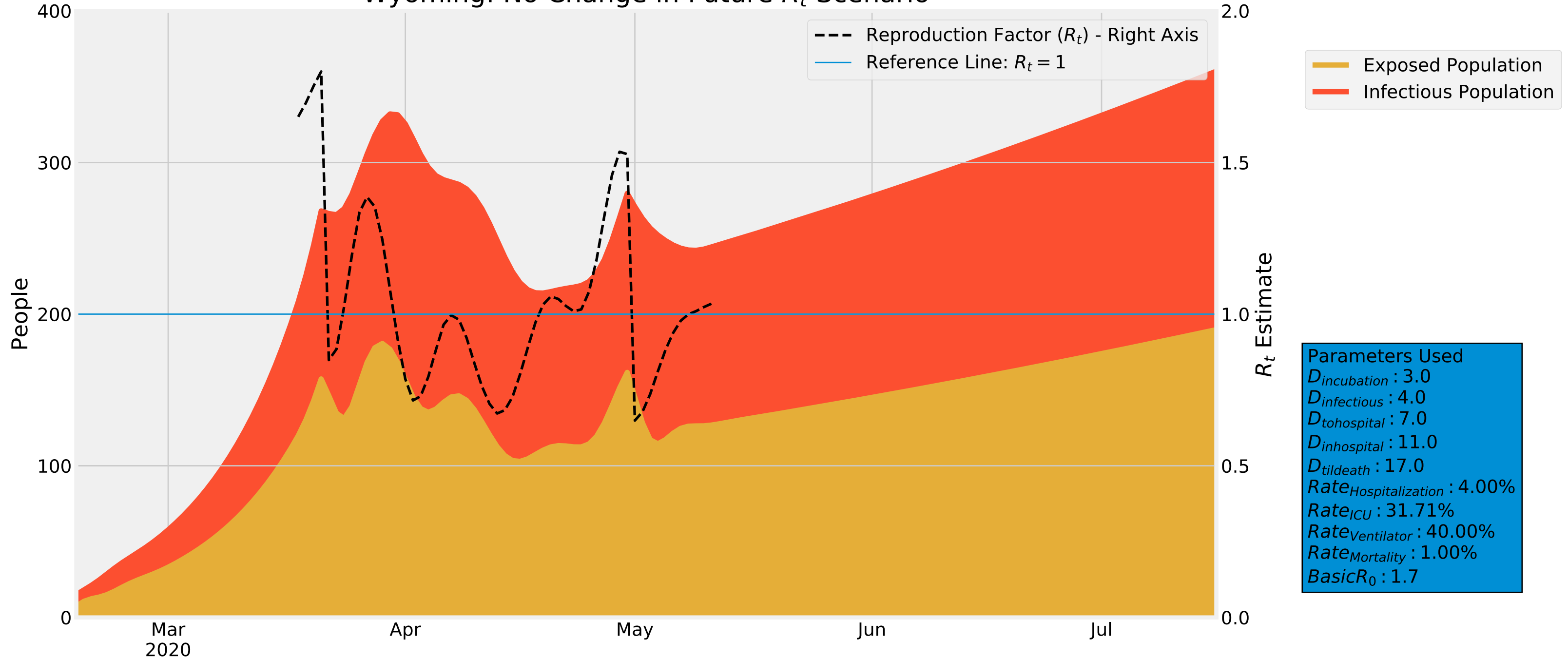
# Reproduction Rate ( $R_t$ ) Estimates Wyoming: No Change in Future $R_t$ Scenario



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

# Simultaneous Infections Forecast

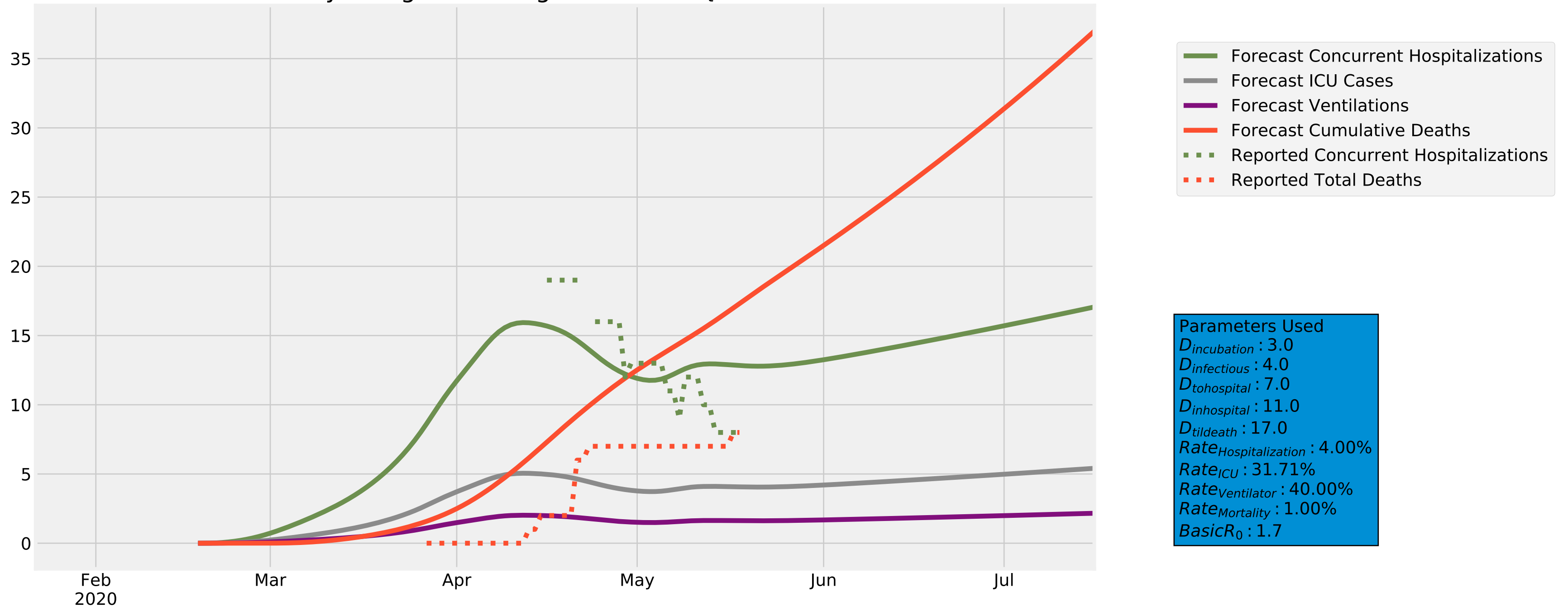
## Wyoming: No Change in Future $R_t$ Scenario



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

# Hospitalization and Deaths Forecast

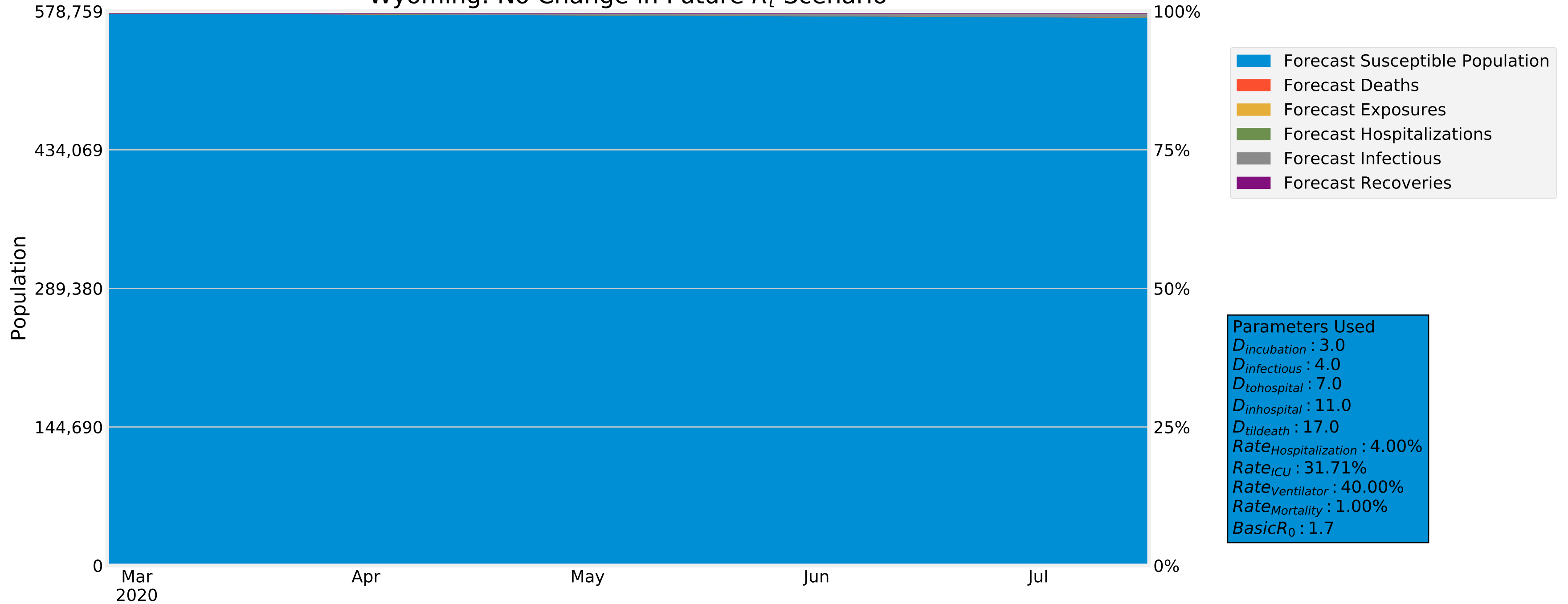
## Wyoming: No Change in Future $R_t$ Scenario



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

# Population Overview Forecast

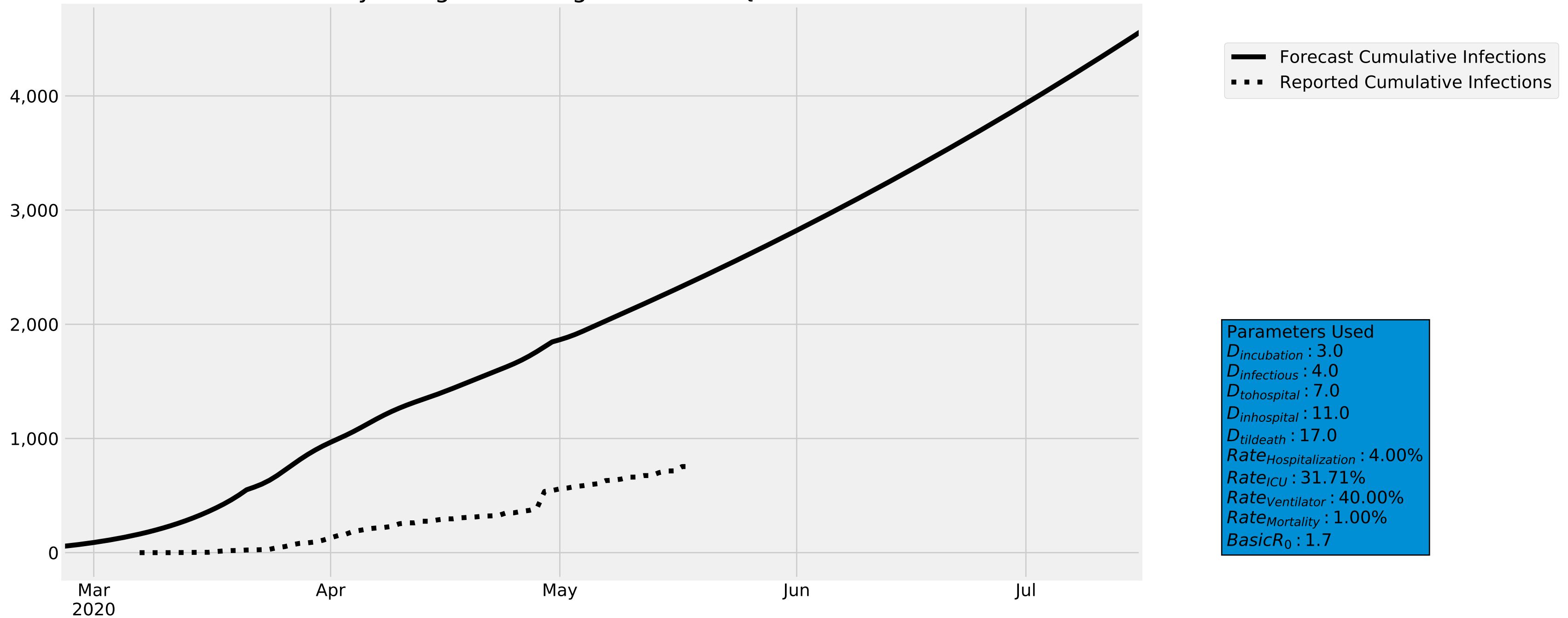
## Wyoming: No Change in Future $R_t$ Scenario



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

# Cumulative Infections Forecast

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

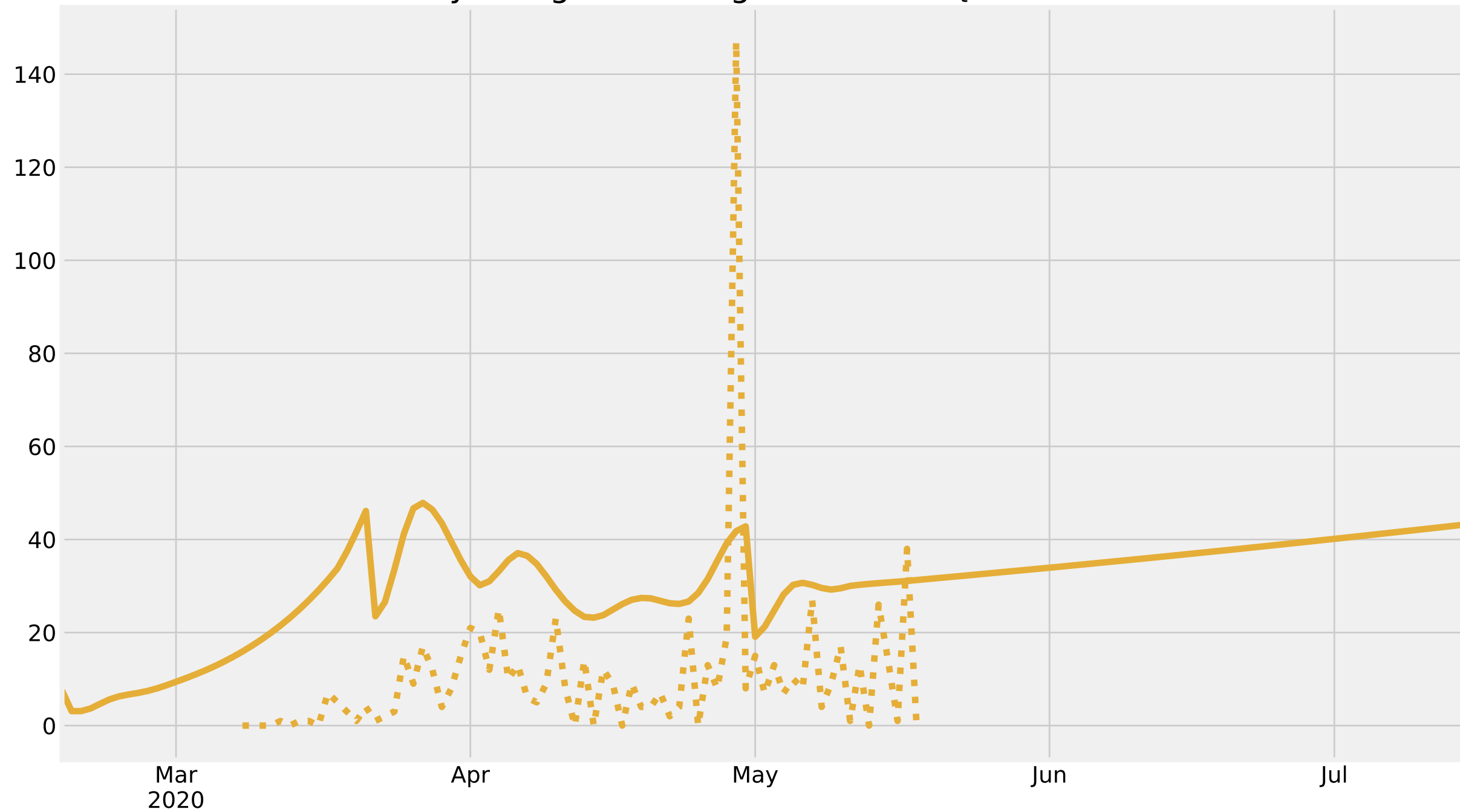


Parameters Used

- $D_{incubation}$  : 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%
- $BasicR_0$  : 1.7

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

## Daily Exposures Forecast Wyoming: No Change in Future $R_t$ Scenario



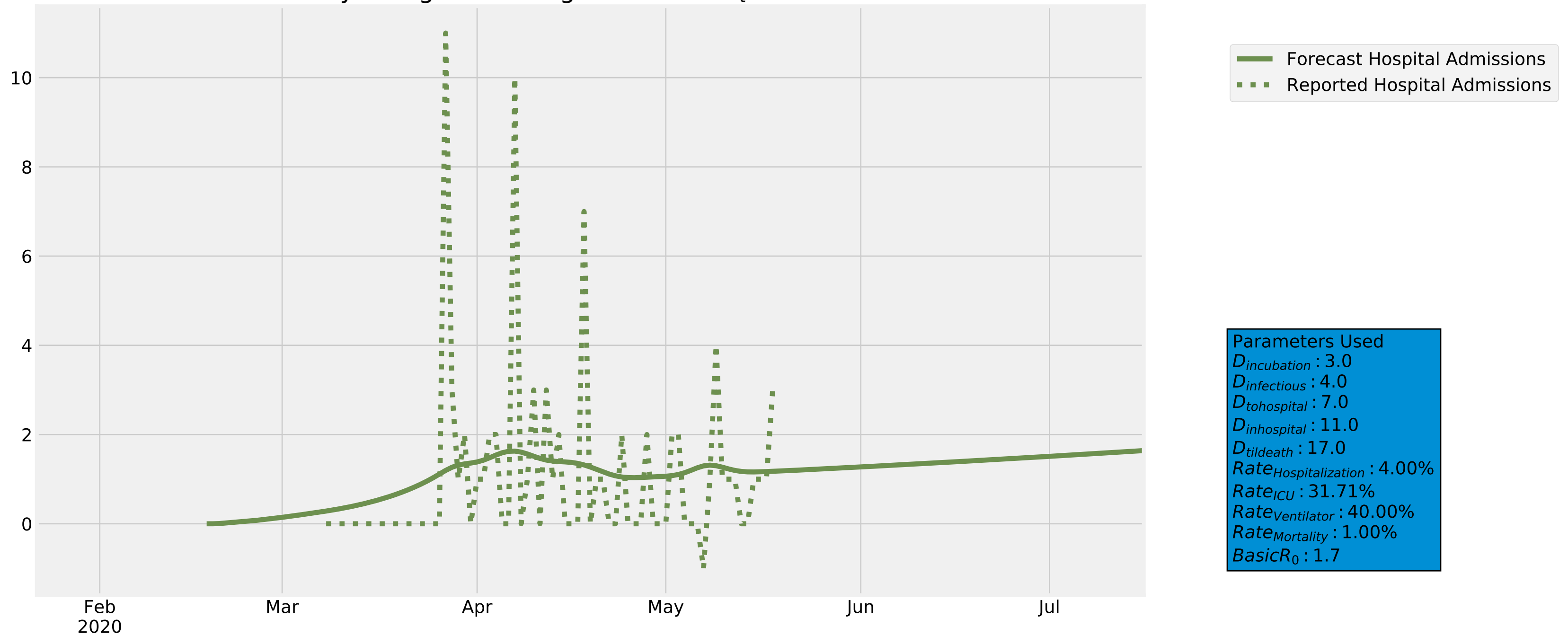
Forecast Daily New Infections (Exposed)  
Reported Daily New Infections (Exposed)

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%  
 $BasicR_0$  : 1.7

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

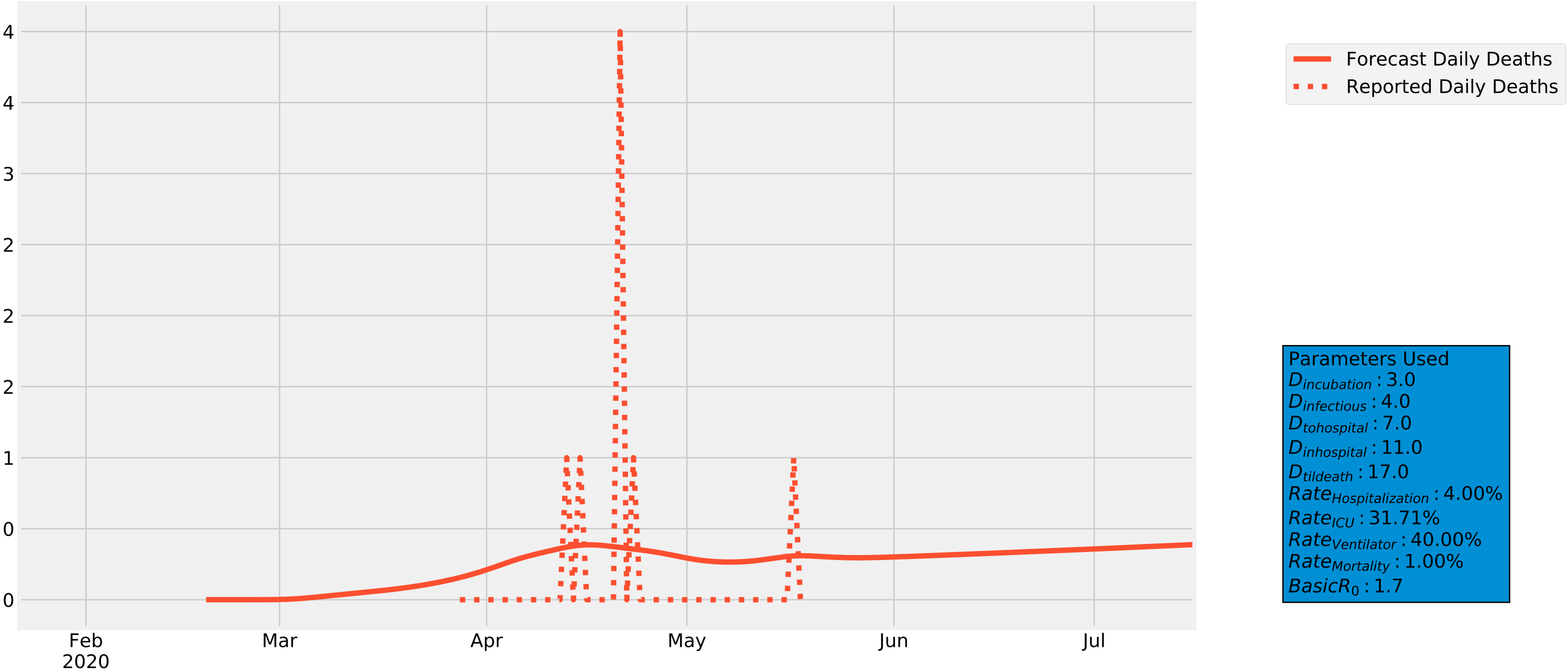
# Daily Hospital Admissions Forecast

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



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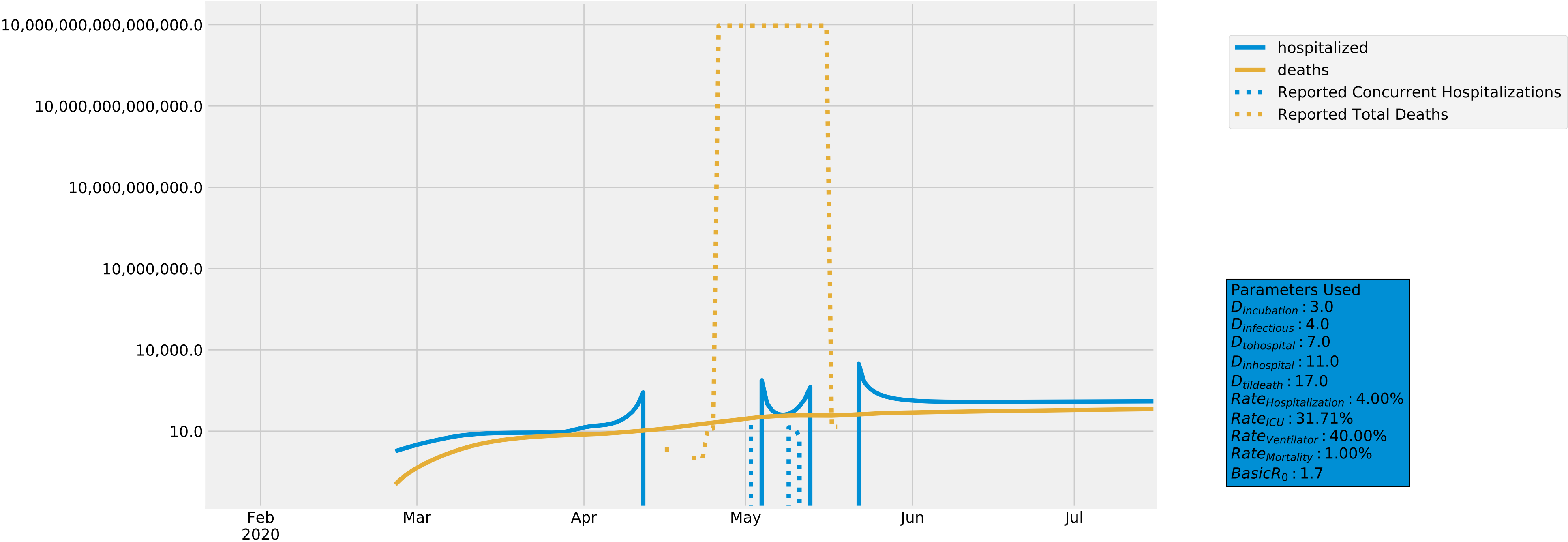
Daily Deaths Forecast  
Wyoming: No Change in Future  $R_t$  Scenario



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



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



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