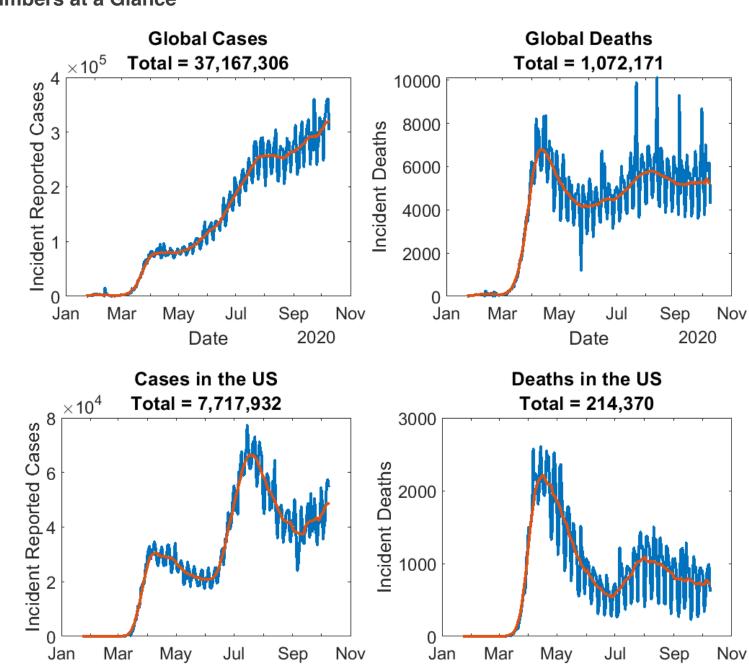
#### **COVID-19 Highlights**

[Last Updated Oct 11th, 2020]

### The Numbers at a Glance



### **COVID-19** on the Map

Date

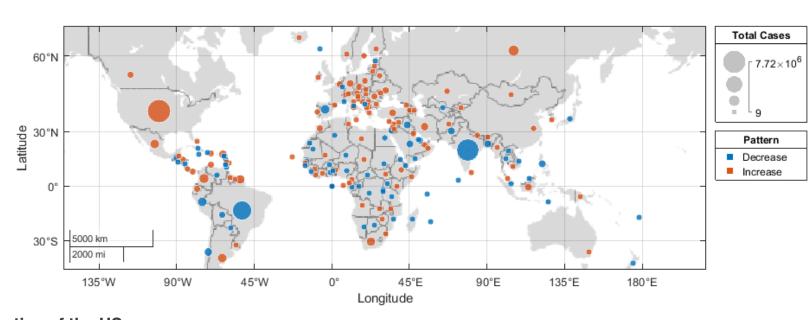
2020

Which regions are seeing an increase in new cases and which ones are seeing a decrease? In the following maps, the size of the bubble represents the number of reported cases in the region (country or county). The orange colored bubbles represent an increase in the weekly number of new cases. The blue colored bubbles represent a decrease in the weekly number of new cases.

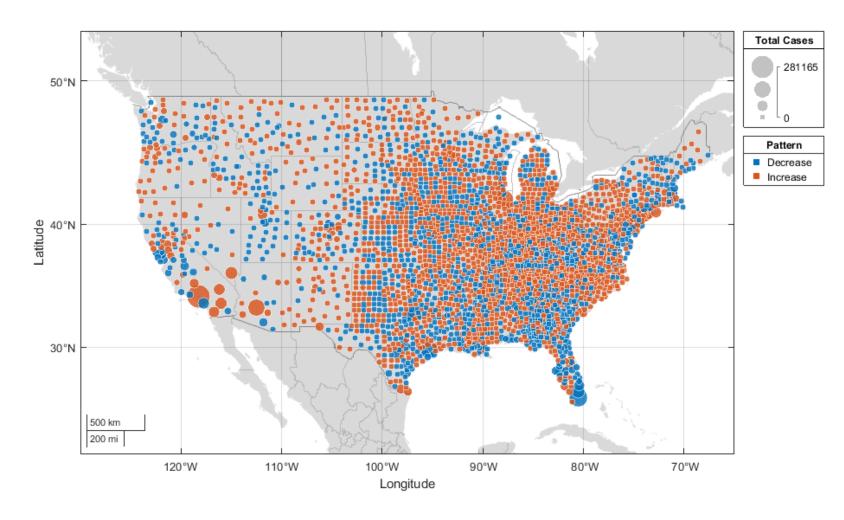
Date

2020

## The World



## The counties of the US



# The Dynamic Reproduction Number (Rt) measures the potential speed of the epidemic. It measures the average number of new infections created by one infected individual. An epidemic will

60°N

**Dynamic Reproduction Number** 

rise quickly if each infected individual were to create more than one infections, i.e., Rt > 1. On the other hand, if each infected individual creates less than one infection on an average. i.e., Rt < 1, the epidemic will slow down and die out. Note: Rt is "learned" from a model. Therefore, the numbers you see here may differ slightly from those shown by other sources due to difference in modeling techniques.

**Latest Reproduction Number on the World Map** The following map shows the potential severity in all the countries, measured in terms of where the latest Rt value stands for each country. In addition, the size of the bubbles represents the

number of new cases in the last week.

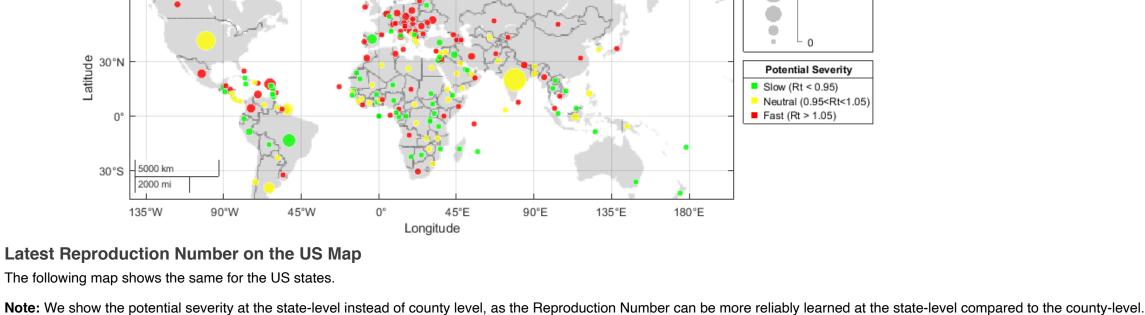
A red bubble is likely to expand, while a green bubble is likely to shrink in the near future.

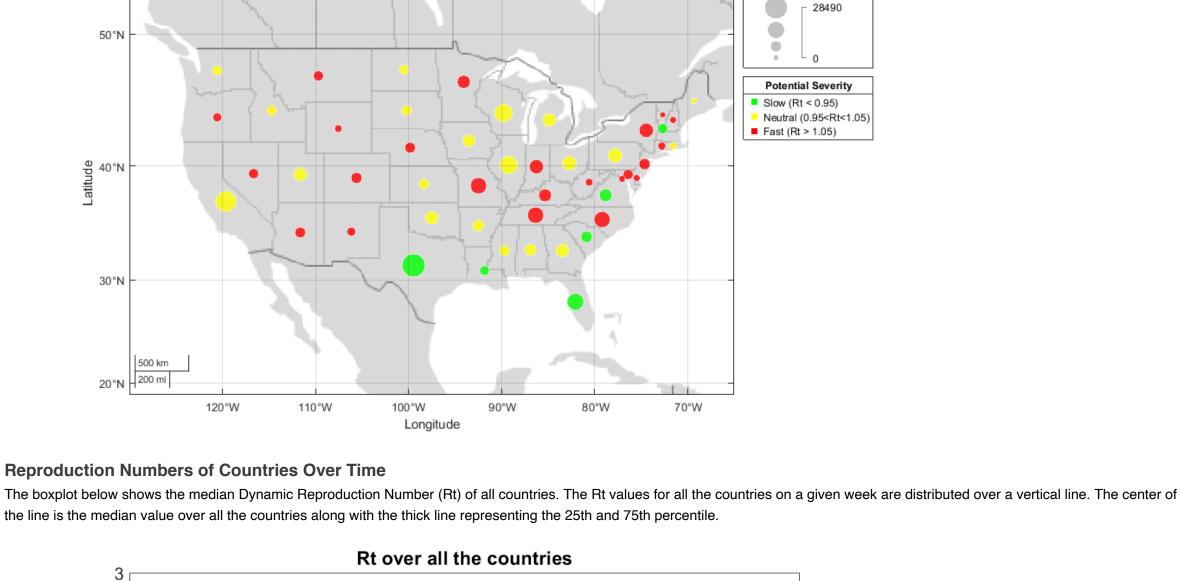
The ideal scenario should be a small green bubble, suggesting that the epidemic is close to disappearing. On the other hand, the worst scenario would be a large red bubble, which would indicate that even though a large number of new cases have been seen recently, this number is likely to further increase.

New Cases

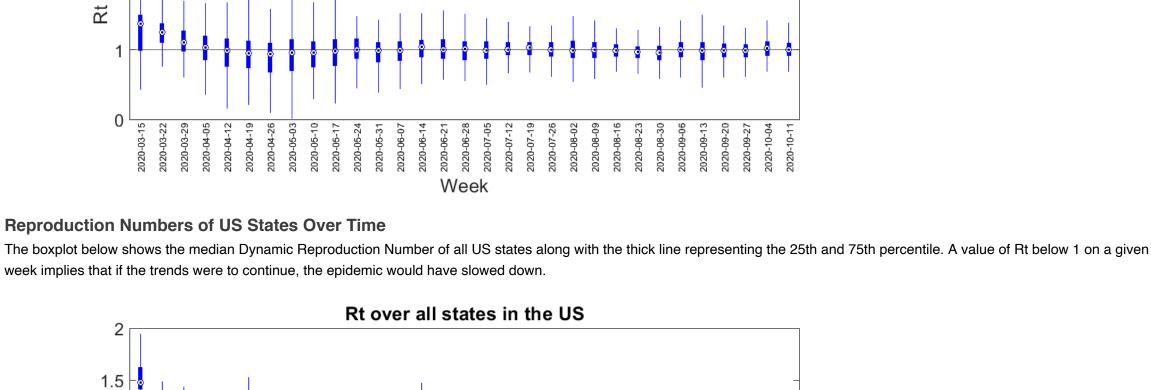
**New Cases** 

504433

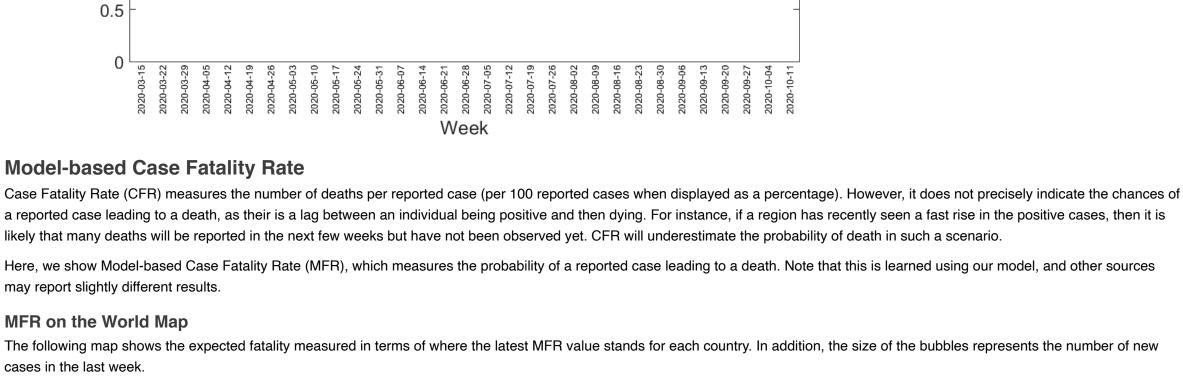




2



R



A large red bubble is the worst case, which is expected to lead to large number of deaths.

500 km 500 mi

130°W

120°W

110°W

100°W

Longitude

0 Latitude 0.05 2.05 **Expected Fatality** 

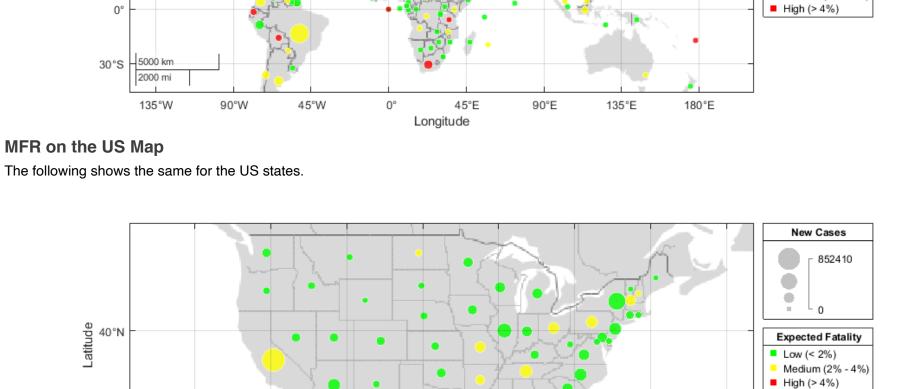
70°W

60°W

**New Cases** 

Low (< 2%) Medium (2% -

 $7.72 \times 10^{6}$ 



90°W

80°W