



# COVID-19 Update

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Medical Director NEBGH



Monday, August 31<sup>st</sup>

# Global Pandemic

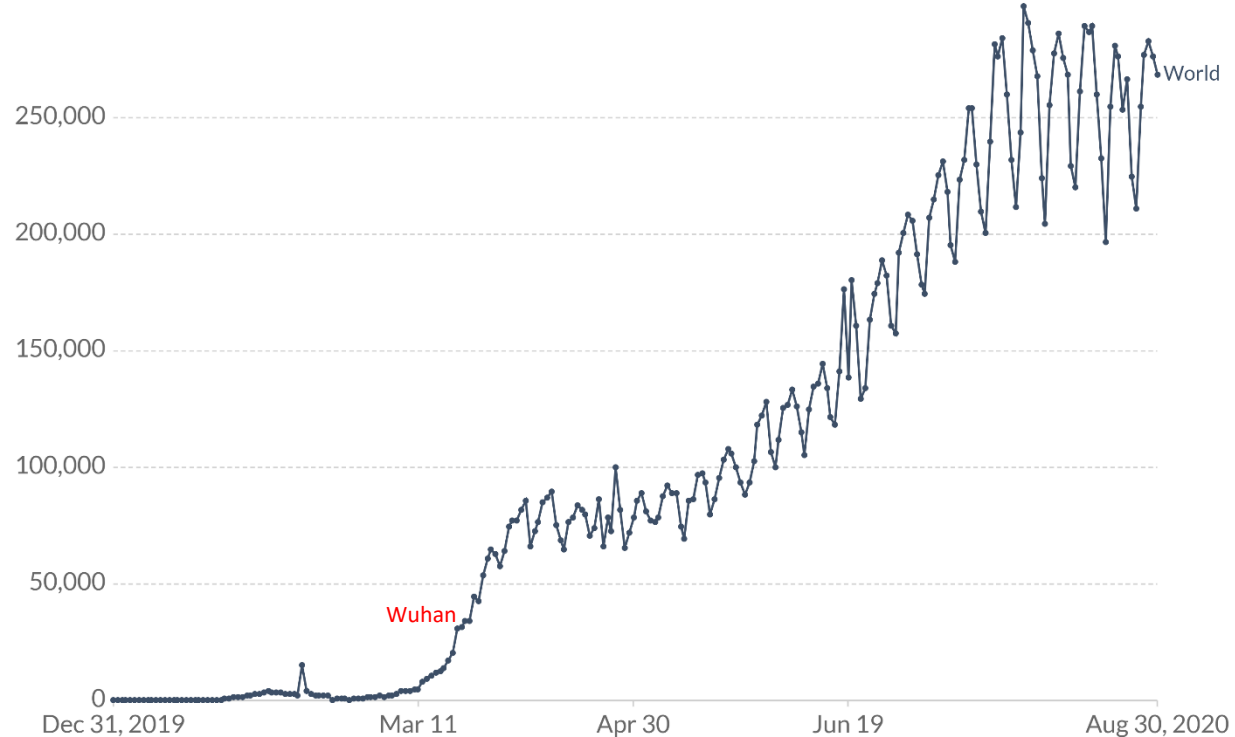
## Daily new confirmed COVID-19 cases

The number of confirmed cases is lower than the number of actual cases; the main reason for that is limited testing.

Our World  
in Data

25.1M Cases

Deaths 844K



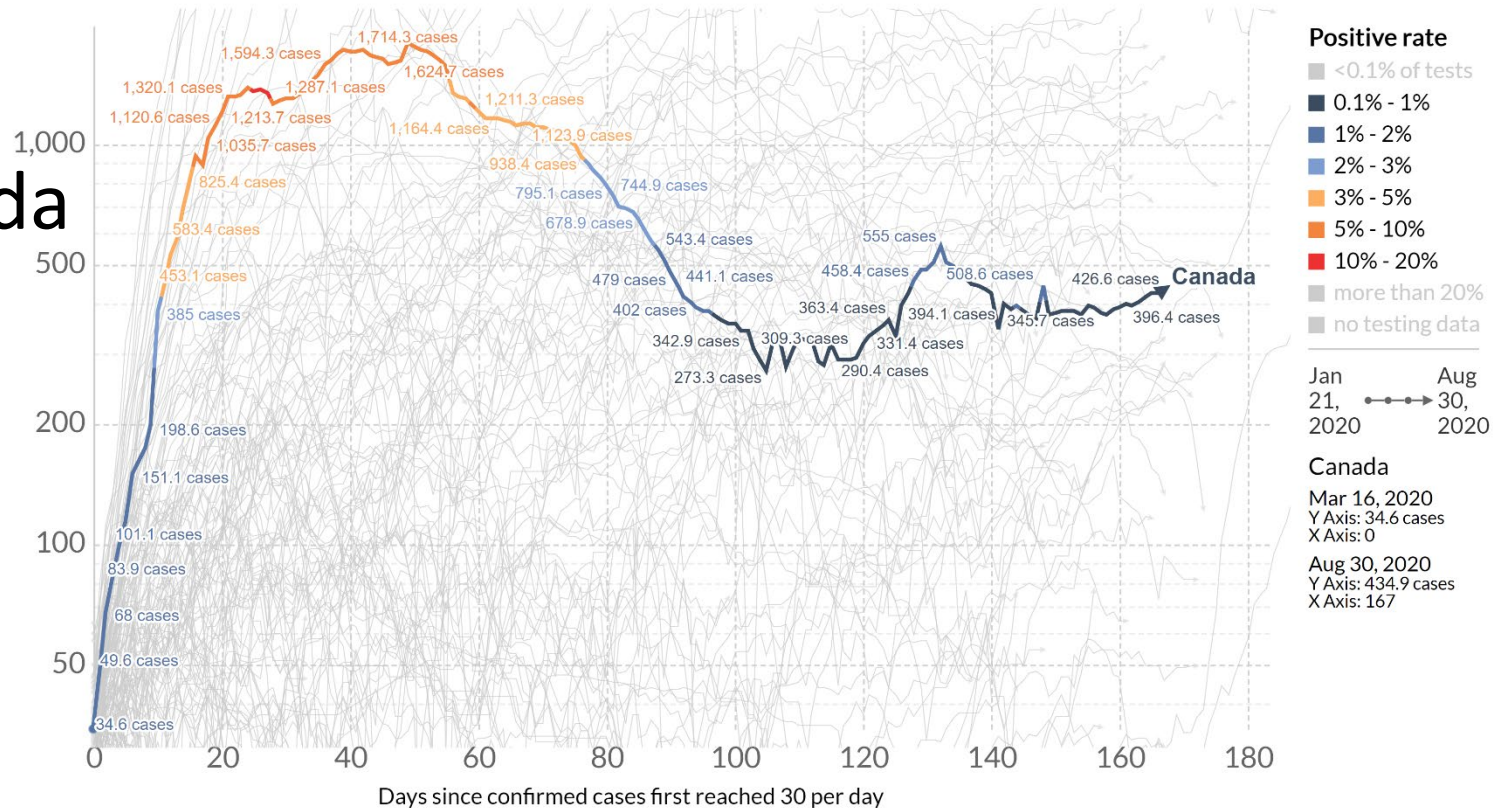
Source: European CDC – Situation Update Worldwide – Last updated 30 August, 10:34 (London time)

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# Daily new confirmed COVID-19 cases

Shown is the rolling 7-day average. The number of confirmed cases is lower than the number of actual cases; the main reason for that is limited testing.

## Canada



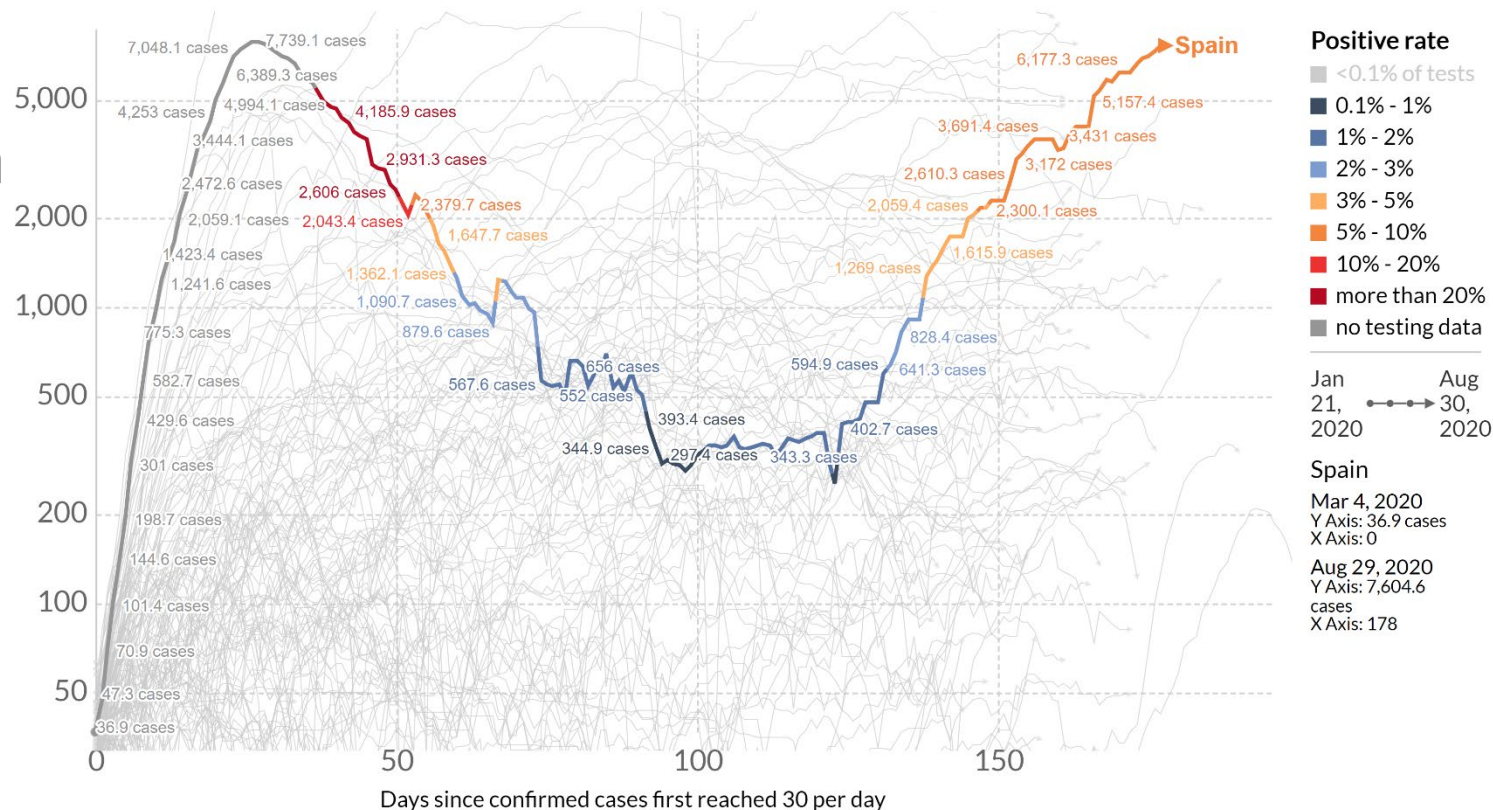
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## Spain

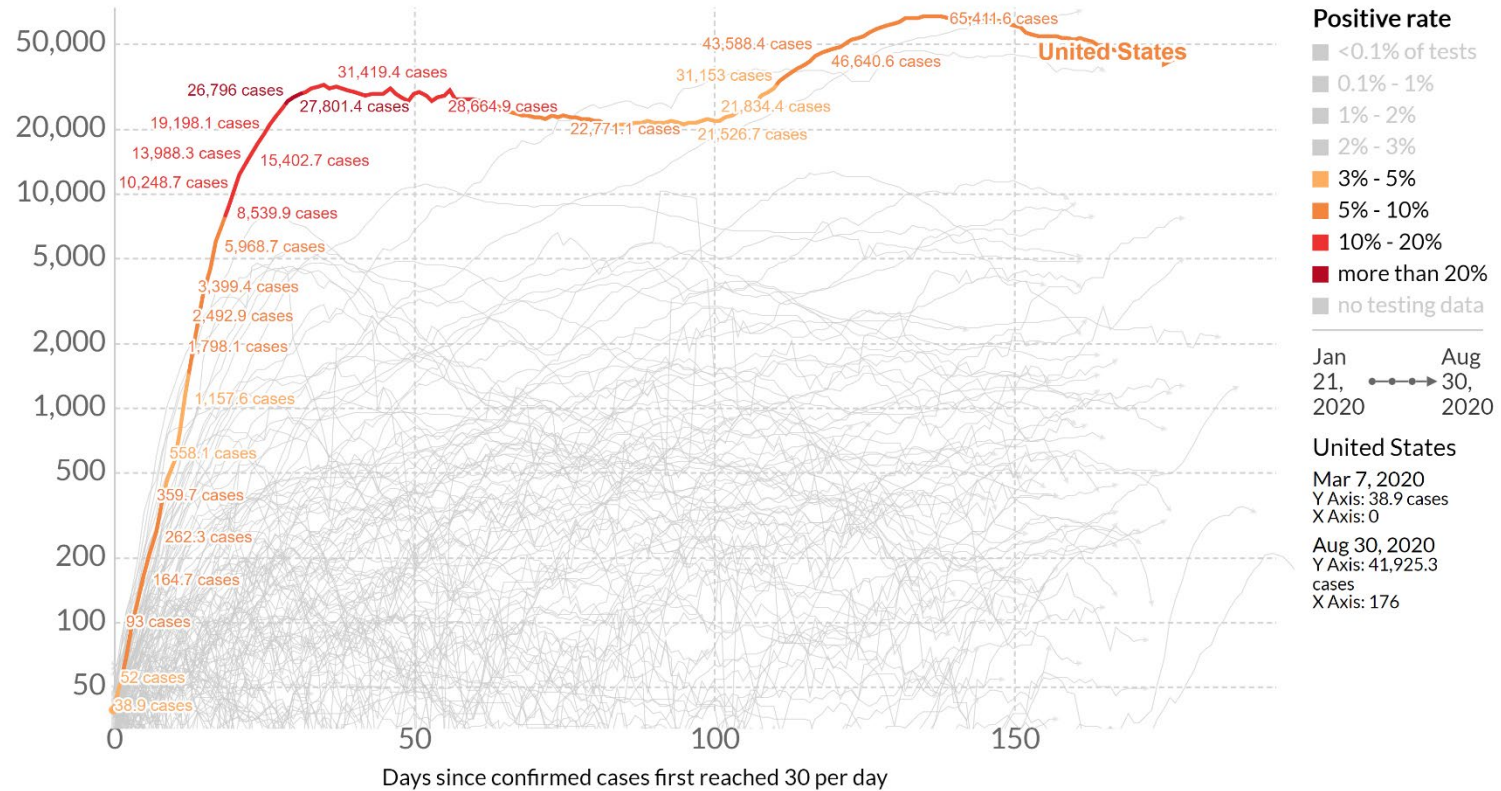


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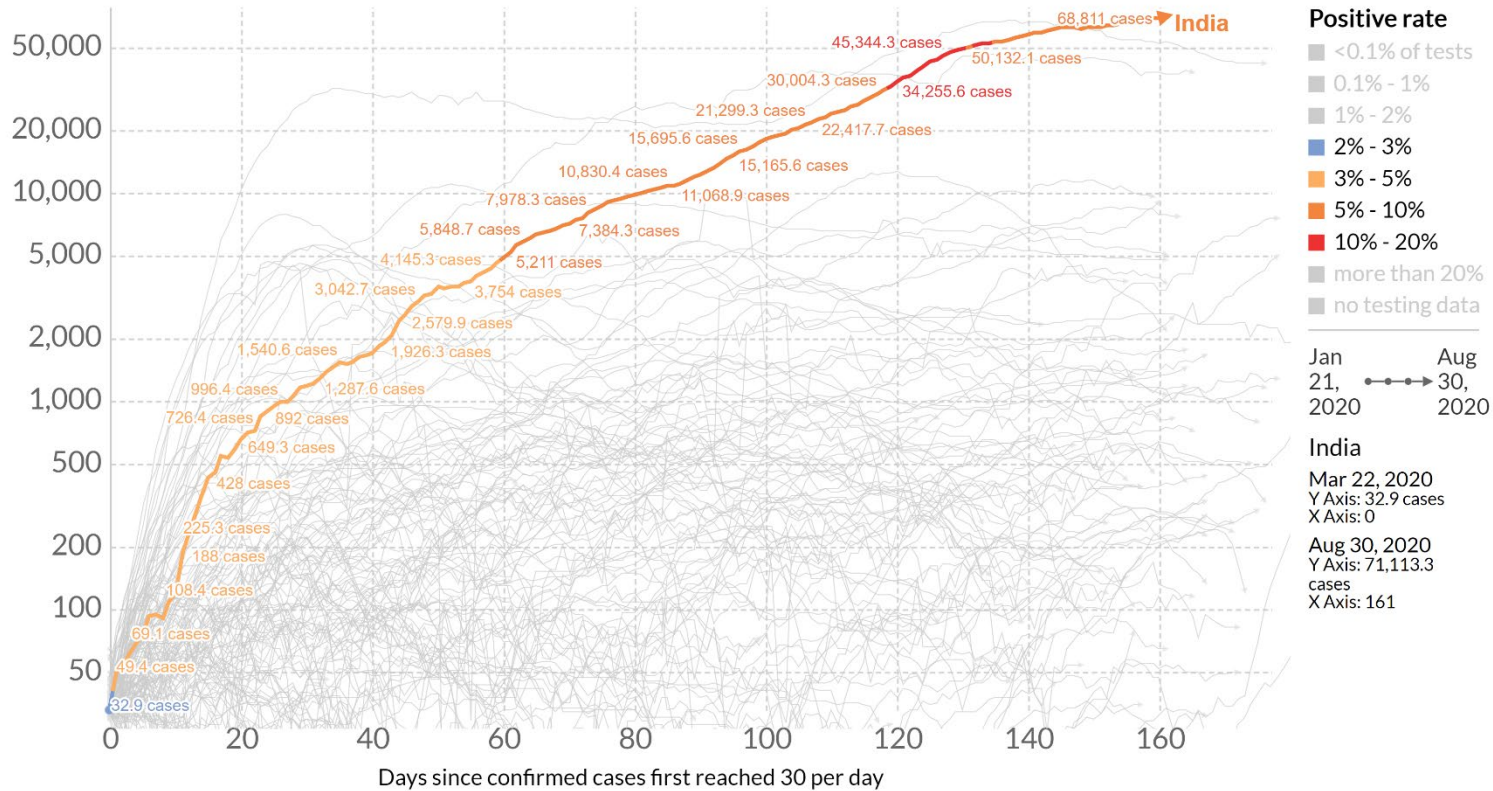
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USA



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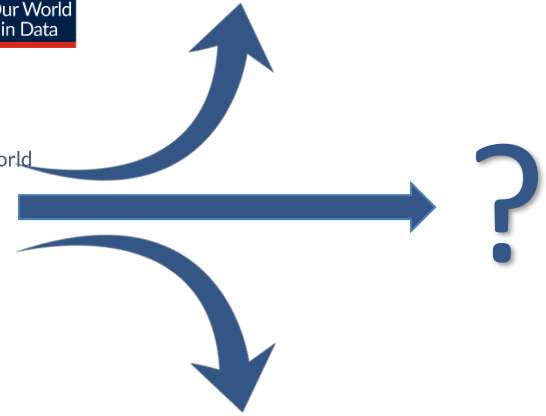
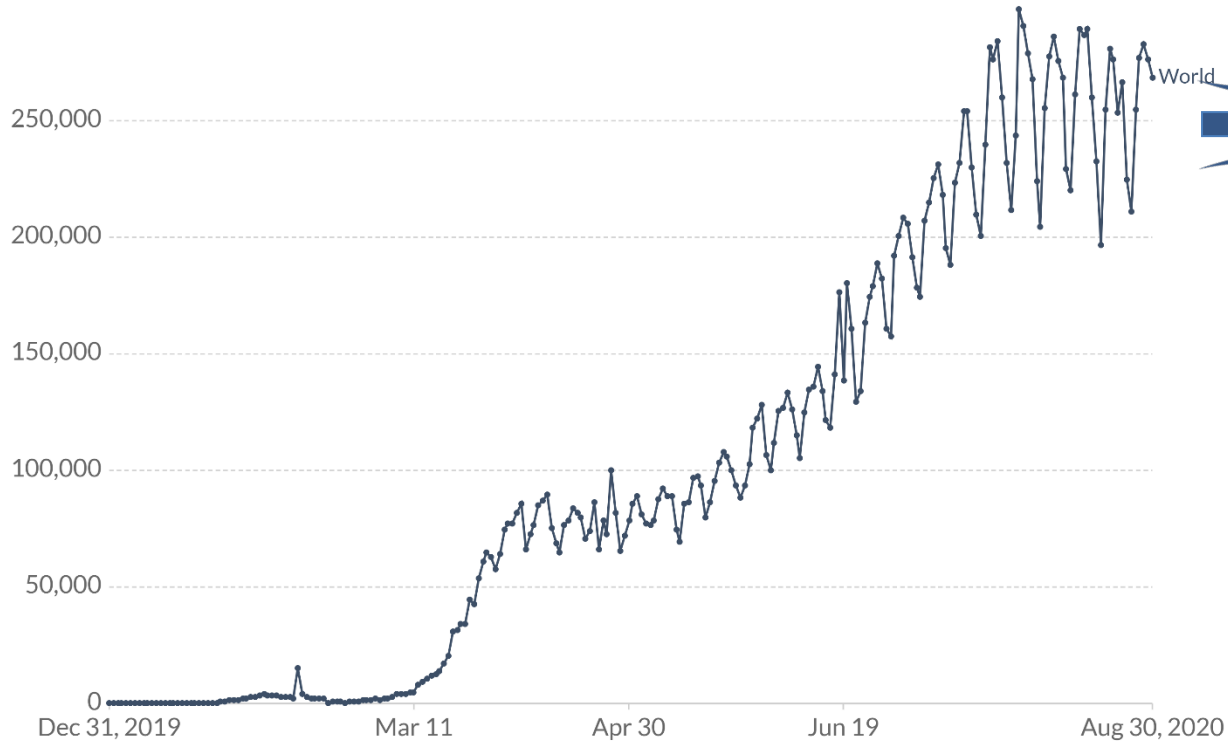
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# What's Next?

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Our World  
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NEWS

HOT  
OFF  
THE  
PRESS



# EPA, CDC and FDA in the news!

- **EPA** gave EUA SurfaceWise2 a long acting surface antimicrobial
  - Plan for use in planes
  - Some concerns raised by chemists and safety specialists
- **CDC** Advice to not test asymptomatic contacts
  - Massive pushback from medical and scientific community
  - CDC have updated their advice and say asymptomatic contacts can be tested
- **FDA** – approval of convalescent plasma
  - Treatment from 1915 for measles by Dr Francesco Cenci
  - Used in 1918 during the Influenza pandemic
  - Dr S Hahn, FDA Commissioner “35 of 100 people with covid-19 “would have been saved because of the administration of plasma” ..... Since retracted





# Reinfections

- Several case reports of proven re-infection with SARS-CoV-2
  - Hong Kong, Belgium, Netherlands and USA
  - Proven by sequencing the virus and showing that reinfection a different strain than the first
- HK case – mild symptoms first time and then asymptomatic the second time
- Reno case was different
  - Diagnosed COVID+ in April mild symptoms
  - 48 days later increasing severe illness that resulted in hospitalization





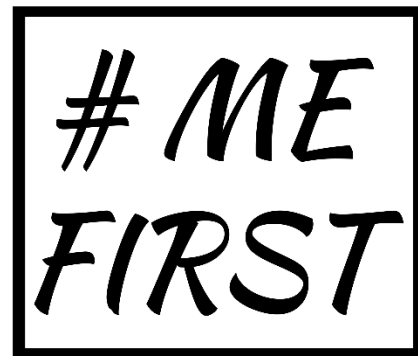
# COVID-19 Vaccines



- Phase 2 trials
  - Oxford/AZ – 2 doses 28 days apart in phase 1 and 2 trials
  - Novavax – used 2 doses
- Phase 3 studies – 30,000+
  - Moderna – 2 doses 28 days apart
  - Pfizer – 2 doses 21 days apart
  - J&J – testing single and 2 dose regimes

# Who Gets Vaccinated First?

1. Healthcare workers
2. High-Risk Individuals
  - Old people living in nursing homes
  - Prisoners
  - Poor populations and ethnic groups
3. Next Tier
  - Teachers, police, daycare workers....
  - Geography based – state or ZIP code





# Questions