

# How the Corona Virus Pandemic has Decreased Air Pollution

COVID19 is a deadly virus that originated in Wuhan, China. There are currently over 74,577 and rising deaths from this virus. The government is encouraging people to stay in their homes during this pandemic so that people will not infect each other. The government has implemented social distancing during this pandemic. Because of this, people are driving less, staying away from public transportation (like buses, airplanes, and trains), and working from home. Thousands of business have lost their work force and moved their business from work to home. These changes have impacted our society, but without humans outside every day, our world has had a chance to breathe.

## How Many People have been Infected by the Virus since January?

**1,260,000**

Cases Confirmed in the U.S

**74,577**

Deaths

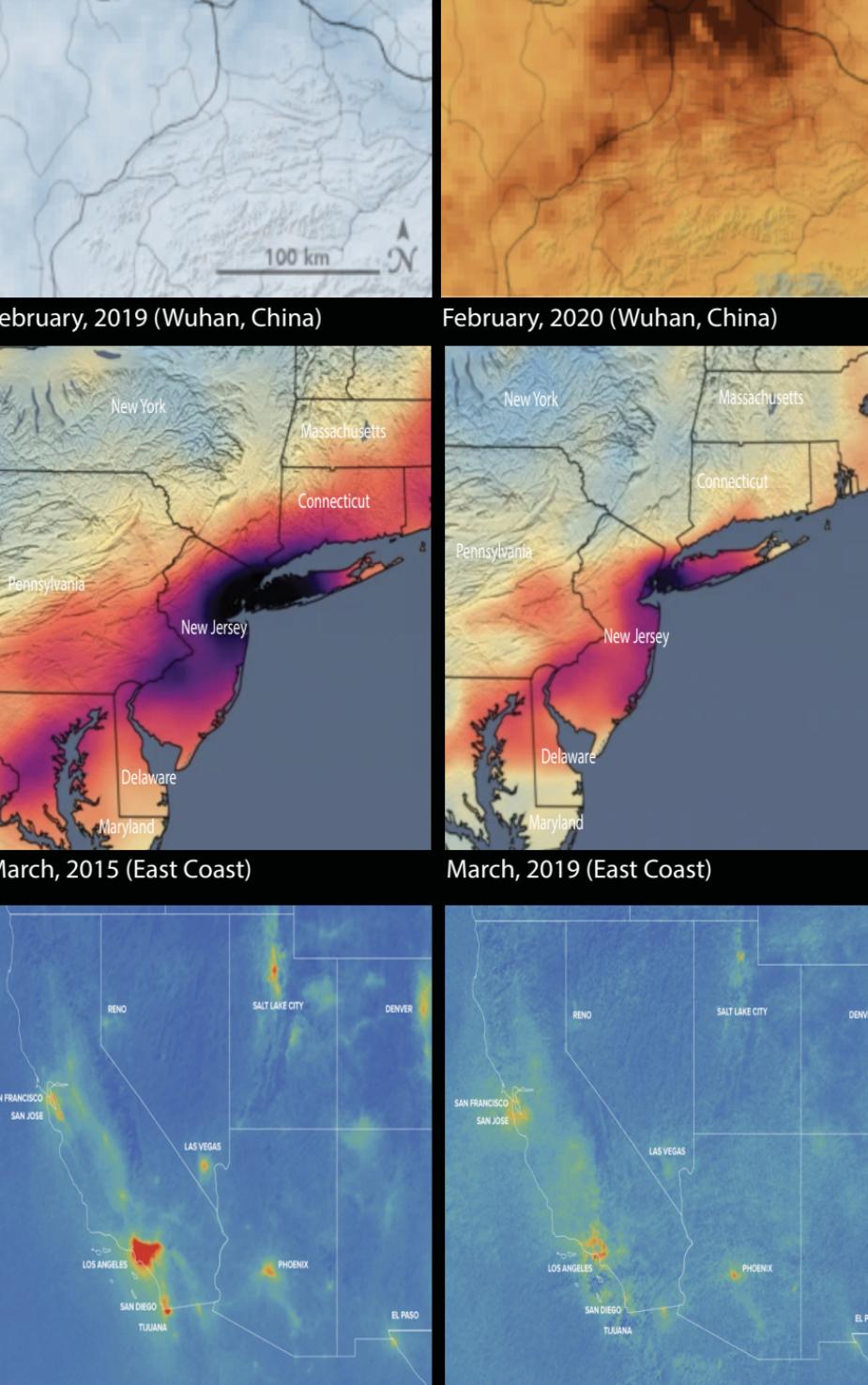
**82,885**

Cases Confirmed (China)

**4,633**

Deaths

## Deaths from Air Pollution Globally (Per 100,000)



## Number of Deaths by Risk Factor (per Thousand)



## Satellite Images of Countries Affected by the Corona Virus (2019)



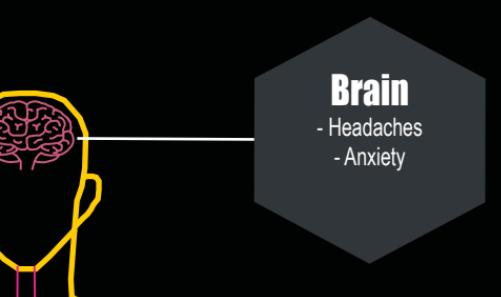
February, 2019 (Wuhan, China)



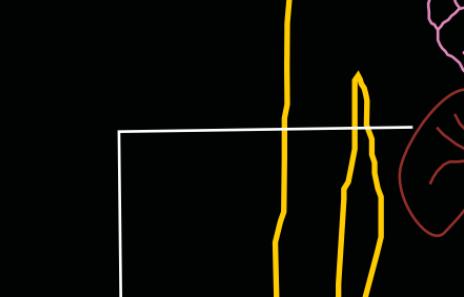
February, 2020 (Wuhan, China)



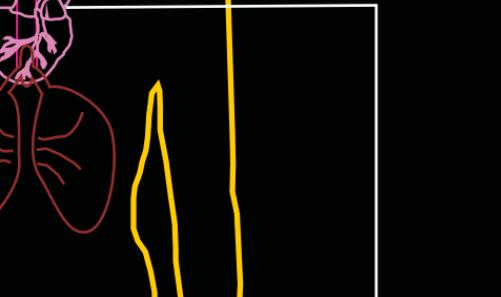
March, 2015 (East Coast)



March, 2019 (East Coast)



January, 2020 (California)



March, 2020 (California)

## Top States with the Highest PM2.5 (Air Quality above 40.5) Levels



### NEW YORK

New York has a population of 20,192,042 people. Out of 260 days a year, 191 of them are days of high PM2.5 levels.



### SAN FRANCISCO

San Francisco has a population of 4,641,820. The PM2.5 levels are in the unhealthy range 290 days a year.



### PHILADELPHIA

Philadelphia faces air pollution of 259 days a year. The population is 6,065,644. This is the 10th most polluted city in the U.S.



### MICHIGAN

Detroit Michigan has a population of 4,304,613. Detroit Michigan suffers from high PM2.5 levels 191 days out of the year.



### Lungs

- Shortness of breath  
- Asthma  
- Fatigue  
- Difficulty breathing



### Heart

- Cardiovascular diseases  
- Aortic rupture

