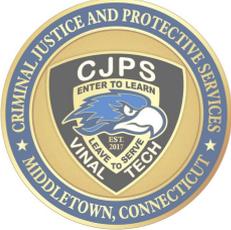


COVID-19

2019  nCoV

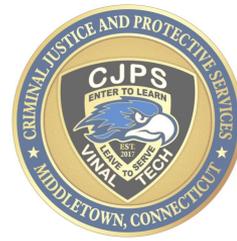
Vinal Tech EOC

Weekly SitRep

Thursday, February 13, 2020

0900 HRS EST

Raw Statistics



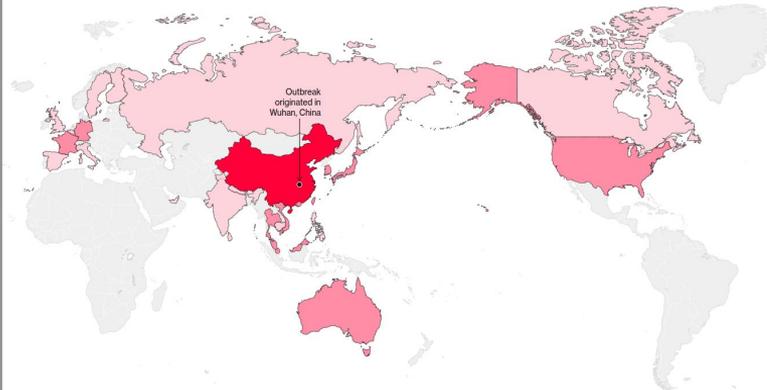
COVID-19 Coronavirus Statistics

- **60,349** total confirmed case.
- **6,260** recovered.
- **1,370** total deaths as of 07:47 February 13th.
- **59,822** confirmed cases in Mainland China.
- **527** cases outside of Mainland China.
- **28** Countries/regions affected.
- **23** places outside of Mainland China have experienced recovery.

Sources: WHO, CDC, ECDC, NHC, and DXY.

Jurisdictions with cases confirmed as of February 11, 2020, 7:15 AM EST

■ 1-9 ■ 10-99 ■ 100-999 ■ 1,000 or more



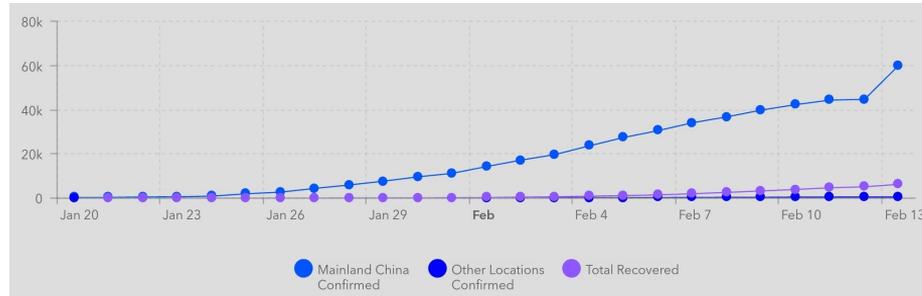
Hong Kong 51
Japan 28
Australia 15
United Kingdom 9
Philippines 3
Nepal 1
Sweden 1

Cases Outside of China

Singapore 50	Thailand 33	South Korea 28
Malaysia 19	Taiwan 18	Germany 16
United States 14	France 11	Macau 10
United Arab Emirates 8	Canada 7	Italy 3
India 3	Russia 2	Spain 2
Cambodia 1	Belgium 1	Finland 1
Sri Lanka 1		

Source: Johns Hopkins University

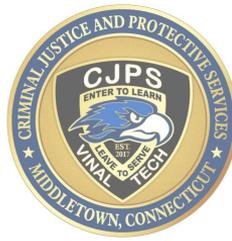
2/13/2020



US States with confirmed COVID-19 cases*	
California	8
Illinois	2
Arizona	1
Massachusetts	1
Wisconsin	1
Washington	1
Hawaii	1

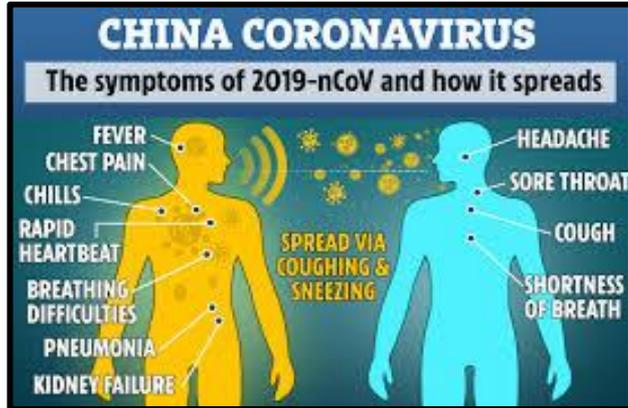
*National Center for Immunization and Respiratory Diseases (NCIRD), Division of Viral Diseases

Virus Facts



Quick Facts:

- Symptoms will appear 2-14 days after exposure.
- Contagious up to 6ft after exiting the body.
- Incubation Period after exposure: 2-24 days
- Fever is not always present in the affected.
- To date, unknown if zoonosis is still taking place, or strictly human-to-human
- Most cases missed by screening have not developed symptoms and are unaware of exposure
- Most cases missed by screenings have not developed symptoms and are unaware of their exposure



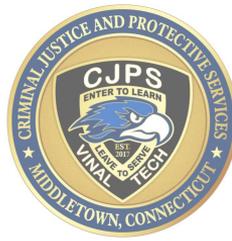
Source: CDC, American Thoracic Society

Unreviewed Biochemical Research

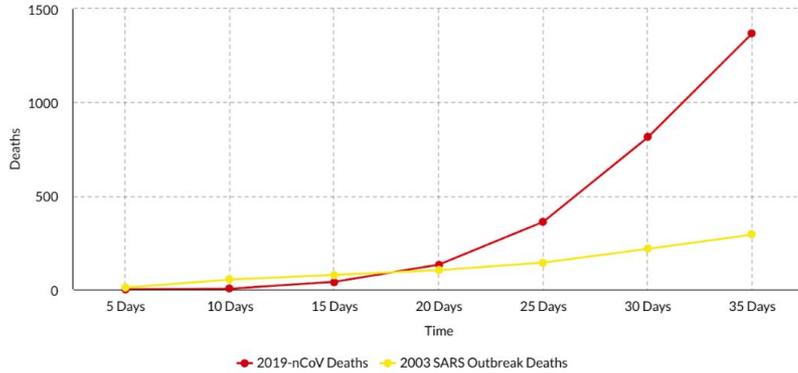
Preliminary reports currently under peer review

- *Potent neutralization of 2019 novel coronavirus by recombinant ACE2-Ig; Lei, et. al*
 - “Very recent reports have suggested that novel CoV uses the same cell entry receptor, ACE2, as SARS-CoV.”
 - “...fusion proteins potentially neutralized SARS-CoV and 2019-nCoV *in vitro*. These fusion proteins exhibit cross-reactivity against coronavirus and could have potential for diagnosis, prophylaxis, and treatment of 2019-nCoV.”
- *Predicting commercially available antiviral drugs that may act on 2019-nCoV through a drug-target interaction deep learning model; Beck, et. al*
 - This study used “Molecule Transformer-Drug Target Interaction to identify commercially available drugs that could act on viral proteins of 2019-nCoV. The result showed that atazanavir, an antiretroviral medication used to treat and prevent HIV, is the best compound showing inhibitory potency... followed by efavirenz, ritonavir, and dolutegravir. Interestingly, lopinavir, ritonavir, and darunavir are all designed to target viral proteinases.”
 - “We also found that several antiviral agents, such as Kaletra, could be used for the treatment of 2019-nCoV, although there is no real-world evidence supporting the prediction.”

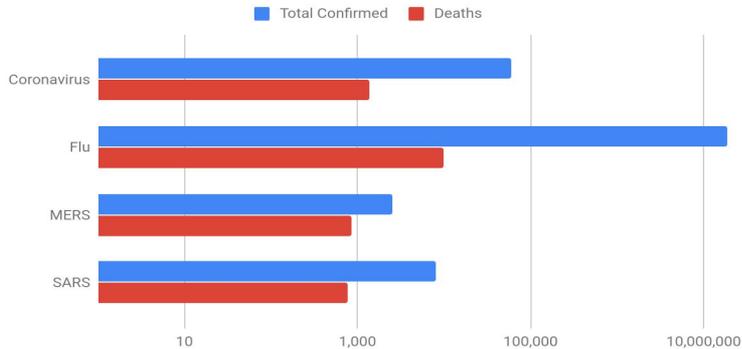
Comparables



SARS V.S. 2019-nCoV Deaths Over Time



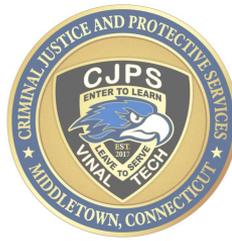
Total Confirmed and Deaths



Symptoms*	Flu	nCoV	SARS	MERS
Cough	X	X	X	X
Fever	X	X		X
SOB	X	X		X
Diarrhea	X		X	
Sore Throat	X			
Body Aches	X			
Fatigue	X			
Vomiting	X			
Runny Nose	X			
Headache			X	
Discomfort			X	
Pneumonia			X	

*CDC

Potential U.S. Citizen Impact



Country	Infected	Estimated Expats*
China	59,822	72,000
Hong Kong	51	40,000
Singapore	50	26,000
Thailand	33	85,000
South Korea	28	51,321
Japan	28	136,663
Malaysia	19	4,697
Taiwan	18	90,000
Germany	16	N/A
Vietnam	16	Unknown
Australia	15	97,864
US	14	Unknown
France	11	100,619
Macau	10	Unknown
UK	9	158,000
United Arab Emirates	8	50,000

Press reports that may impact US citizens

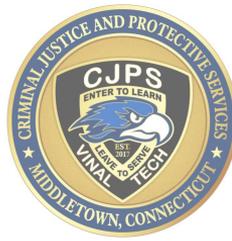
- To date, a total of 175 people aboard the Diamond Princess have become infected (*CNN*)
- China's ambassador Liu Xiaoming downplaying virus, comparing it to flu (*CNN*)
- A cruise ship carrying 2,000 people denied entry to 4 ports in Thailand to prevent spread of coronavirus. (*CNN*)
- South Korean government wants to isolate evacuees for at least two weeks at the facilities, usually used as training centres for government officials, to rule out any symptoms (*NY Times*)
- Fears have risen in Hong Kong after discovering the virus was able to spread through apartment building floors (*NY Times*)
- Malaysia is implementing guides from the WHO about how to prevent the virus from spreading (*The Star*)

MAJOR HEADLINES

- Disabled boy dies in China after single father is taken away for suspected coronavirus (*BBC*)
- Almost 60,000 Coronavirus cases confirmed in China (*CNN*)
- US evacuee infected with Coronavirus accidentally released from San Diego Hospital (*Business Insider*)
- A third of the patients in the city of Tianjin were tied to a single mall, officials estimate nearly 12,000 people being there in late January (*NY Times*)

* Expat numbers are estimated as these can vary and are not documented. These are best estimates based on numerous websites.

Responder Safety



Healthcare Worker BSI Precautions Checklist for 2019-nCoV* (As pictured below)

- N95 or P100 with eye protection
- Eye protection should be face shield or goggles (Surgical masks with plastic eye lenses are inappropriate PPE)
- Use a clean, non-sterile, long-sleeved, fluid-resistant gown (Mid-Calf length)
- Separate infected from other residents until 24 hours after the respiratory illness symptoms are gone
- BVMs, and other ventilatory equipment, should be equipped with HEPA filtration to filter expired air**
- Documentation of patient care should be done after EMS clinicians have completed transport, removed their PPE, and performed hand hygiene
- Heavy duty Apron

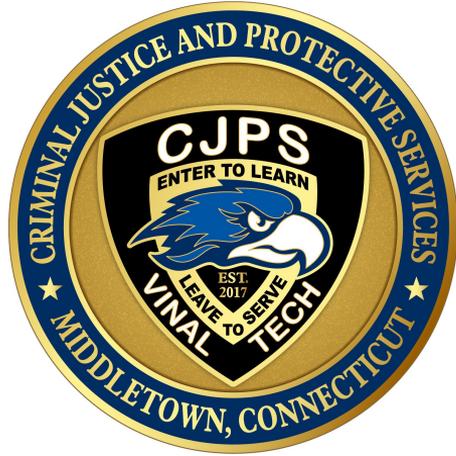


“This is why we take FIT testing seriously! Ensure you are clean shaven and take the testing seriously.”

- Mr. C

- Viral videos are emerging of people intentionally coughing and spitting on elevator buttons in China. (NY POST)
- “Corona virus infected are trying to spread the disease by deliberately spitting at health care workers in Wuhan.” (MSN News)

* Per OSHA, the CDC and WHO



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