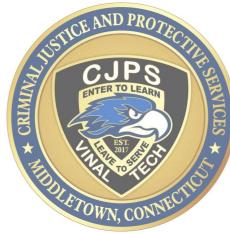


COVID-19

2019 nCoV

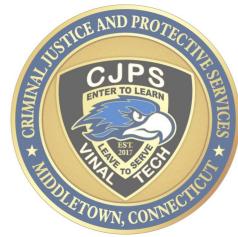


Vinal Tech EOC

Weekly SitRep

Thursday, April 2nd, 2020

0930 HRS EST



Raw Statistics

COVID-19 Statistics

- **952,171** Confirmed cases worldwide as of Thursday, April 2, 2020 at 0900 EST.

- **202,541** Total recovered worldwide.

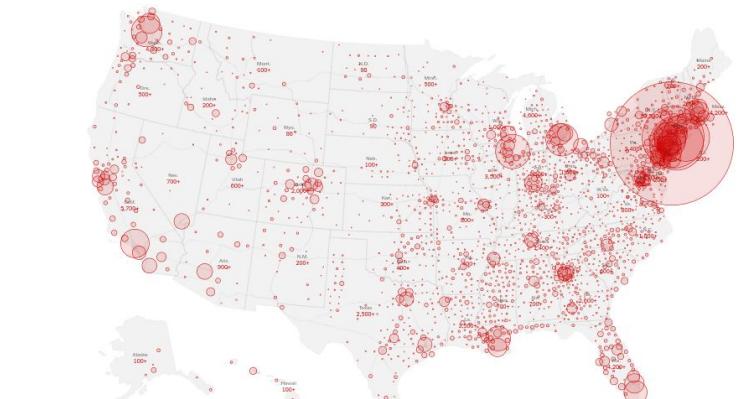
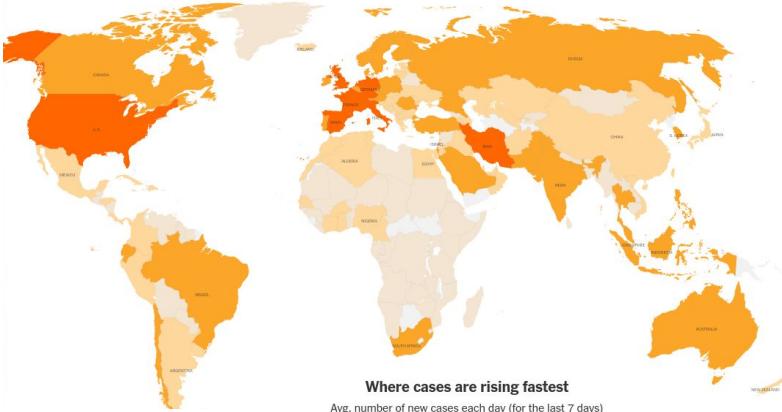
- **48,320** Total deaths worldwide.

- **216,722** Total confirmed cases nationally.

- **5,137** Total deaths nationally.

- All US states have some school districts closed or are scheduled to close at this time

*Sources: WHO, CDC, ECDC, NHC, DXY and edweek.org



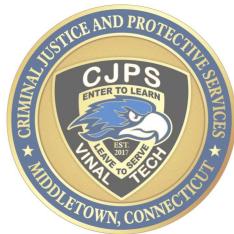
Source: NY Times

US States with confirmed COVID-19 cases*

NY	84,046	MN	689
NJ	22,255	AL	1,115
CA	9,907	AR	625
WA	5,984	OR	736
MI	9,334	DC	586
FL	7,773	KY	687
IL	6,980	IA	547
LA	6,424	ME	344
MA	7,738	NH	415
GA	4,748	OK	721
TX	4,068	DE	368
CO	3,342	KS	487
PA	6,002	NM	363
TN	2,683	VT	321
CT	3,557	ID	673
OH	2,547	HI	258
NC	1,717	NE	210
WI	1,550	PR	316
IN	2,565	MT	217
MD	1,958	AK	143
SC	1,293	WV	191
AZ	1,413	GU	77
MS	1,073	WY	137
UT	1,012	ND	142
VA	1,484	SD	129
NV	1,279	VI	1,484
MO	1,581		

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

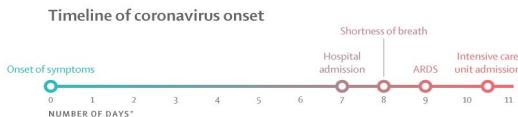
Country	Infected
China	82,431
Italy	110,574
USA	216,722
Spain	110,238
Germany	78,115
Iran	50,468
France	57,780
Switzerland	18,117
S. Korea	9,976
UK	29,872
Netherlands	13,696
Australia	10,892
Belgium	15,348
Canada	9,731
Norway	4,898
Portugal	8,251
Sweden	4,947
Australia	5,108



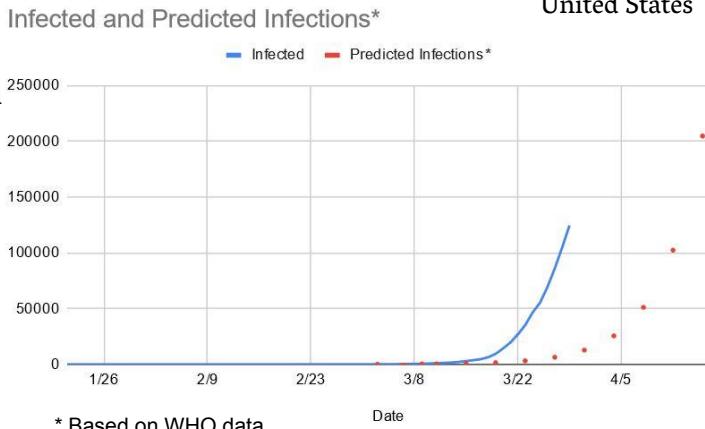
Virus Data

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.
- **Based on WHO data, number of infected persons DOUBLES every 3 days.**
- Number of infected persons has already surpassed WHO predictions
- Mean time illness onset to hospital admission was estimated at 3-4 days, Mean time from hospital admission to death was 8.8 days.
- Median time delay of 13 days from illness onset to death.
- A large-scale study of Covid-19 in Wuhan China found that **5 percent of patient require intensive care** and **2.3 percent require a ventilator**.
- Virus loads is highest at beginning of infection- first week symptoms begin and decline over week 2



For information about disinfectants to use against SARS-CoV-2 use [this PDF](#).



"We found that viable virus could be detected in aerosols up to 3 hours post aerosolization, up to 4 hours on copper, up to 24 hours on cardboard and up to 2-3 days on plastic and stainless steel."

-[MedRxIV](#)

Source: CDC, CNN, WHO, Science Daily, MedRxIV, New England Journal of Medicine

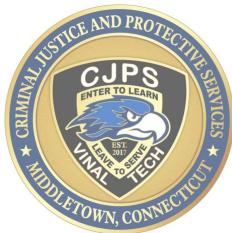
Potential Vaccines

RNA: Unlicensed platform, multi dose vaccine with fast working speed and low to medium current scale. As of 1953

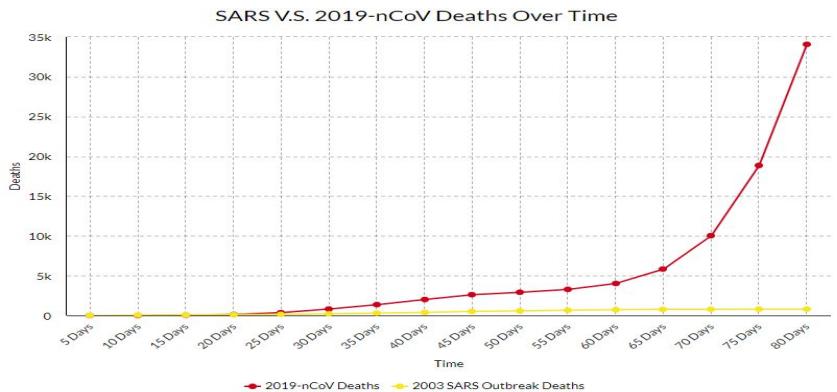
4/1/20 this RNA vaccine is a candidate in preclinical developments for 10 labs and a candidates in phase 1 testing for 2 labs (NCT04283461)

Nonreplicating Vector: Unlicensed platform, single dose vaccine with medium working speed and high current scale. As of 1955 4/1/20 this vaccine is a candidate in preclinical developments for 7 labs and a candidates in phase 1 testing for 1 lab (ChiCTR2000030906)

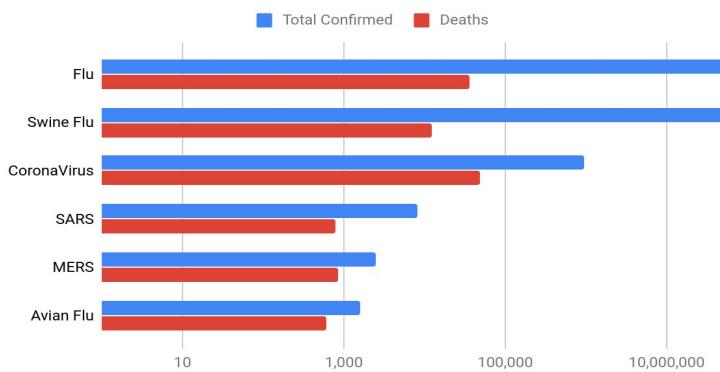




Comparables

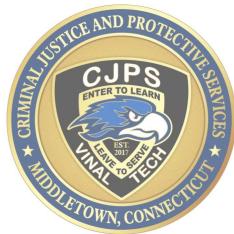


Total Confirmed and Deaths



*CDC

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



FEMA Common Operating Picture

Major Disasters (DR): 61
Emergency Disasters (EM): 67
★ JFOs: 10 / VJFOs: 7
● Staging Area
■ Distribution Center (DC)
■ Declared County
■ Fully Activated
■ Partially Activated
■ Monitoring

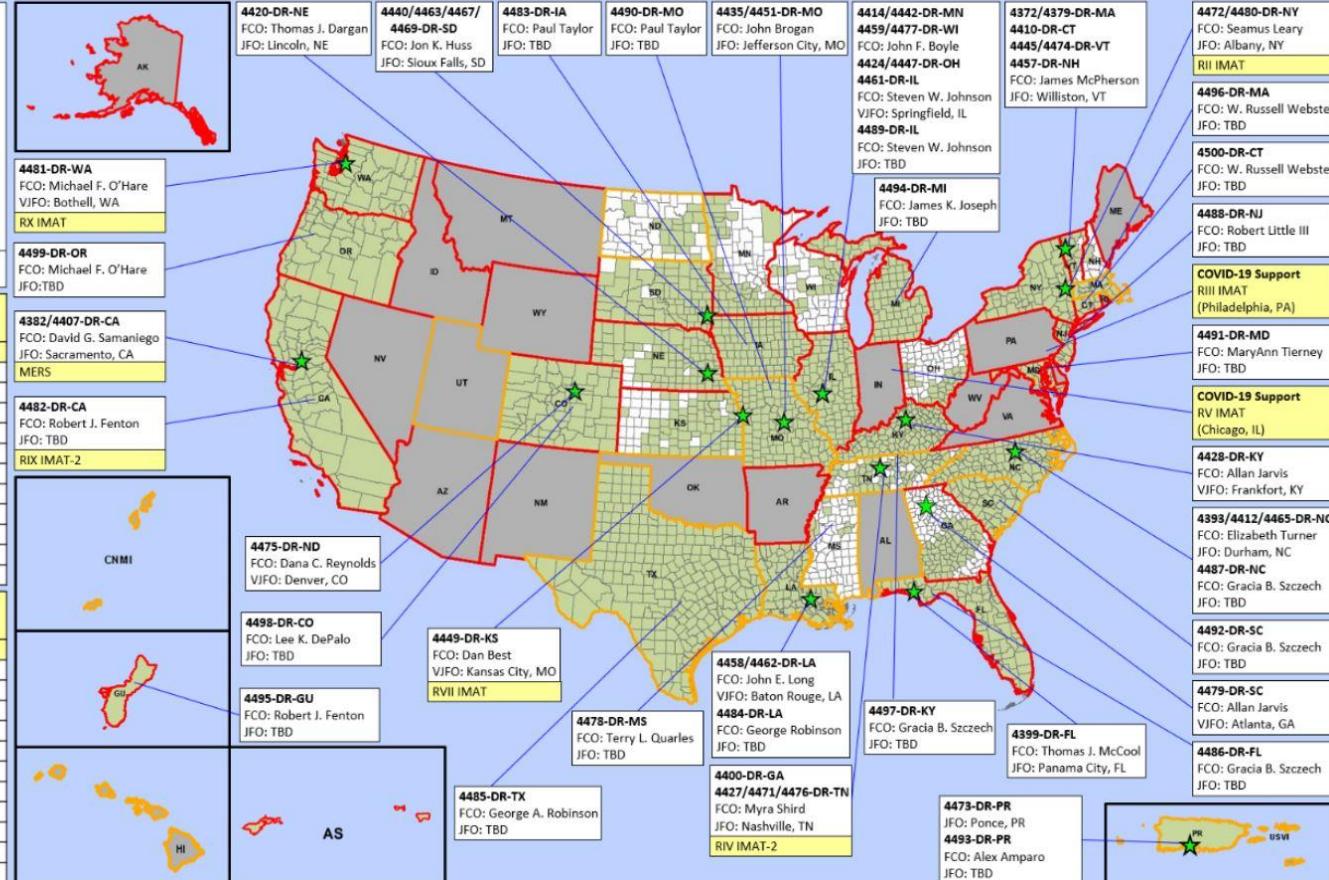
As of 8:00 a.m. ET March 29, 2020
Created by FEMA NWC

DR Declarations COVID-19

Region	State
I	CT, MA
II	NJ, NY, PR
III	MD
IV	FL, KY, NC, SC
V	IL, MI
VI	LA, TX
VII	IA
VIII	CO, MO
IX	CA, GU
X	OR, WA
Total	21

State EOC Activations COVID-19

Region	State
I	CT, MA, ME, NH, RI, VT
II	NJ, NY, PR, VI
III	DC, DE, MD, PA, VA, WV
IV	AL, FL, GA, KY, MS, NC, TN
V	IL, IN, MI, MN, OH, WI
VI	AR, LA, NM, OK, TX
VII	IA, KS, MO, NE
VIII	CO, MT, ND, SD, UT, WY
IX	AS, AZ, CA, HI, MP, NV
X	AK, ID, OR, WA
Total	56



Approved Declarations

KY, CO, MA, MI, CT, OR, GA, Guam, Puerto Rico, SC, MO, MD, IL, NJ, NC, FL, TX, LA, IA, CA, WA, NY

Pending Declarations

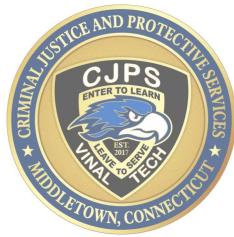
AL, DC, CNMI

National Guards Activated

AK, AZ, CA, CO, CT, FL, GU, IL, IN, LA, MA, MD, ME, MI, MN, MS, NC, ND, NH, NJ, NM, NV, NY, OH, OK, PR, TN, VA, VI, WA, WI, WV

**** Every state has their EOCs activated ****

*FEMA



U.S. Citizen Impact

How countries are dealing with the Coronavirus:

US: Multiple states issuing stay-at-home order. Easing restrictions on testing vaccines. Passing benefit packages for workers and employers. Tried using China's methods of handling the virus but were unsuccessful in the matter. Level 4 "Do Not Travel" advisory. Will provide \$8.3 billion deal in emergency funding to stop spread. Money will go towards vaccines, public-health funding, medical supplies and research in other countries.

Italy: Turned to China, Russia and Cuba on how to deal with coronavirus. Extends lockdown into April. China has started sending doctors and medical supplies to help combat the virus.

China: Many countries have decided to take notes from China after noticing the rate of coronavirus infected have slowed significantly. Wasn't allowed to go outside under any circumstances. Using drones to yell at people to go inside. Using advanced forms of technology to decide who could enter public spaces. Is now using "soft power" and changing perceptions on how to handle virus.

Spain: Stricter ban on all "non essential" activities are in place. Only allowed to leave for work, medicine purchases, essential food or to care for relatives.

Press reports that may impact US citizens

- Connecticut governor says hunt for protective equipment is "not going that well" (*CNN*)
- Michigan hospital reaches capacity, doctor says (*CNN*)
- U.N., WHO and WTO warn of food shortage if countries impose trade restrictions (*Washington Post*)
- Air Force Academy rolls back campus lockdown after two apparent suicides due to isolation from COVID-19 (*Washington Post*)
- New York's Central Park field hospital is now open and has taken in its first patient (*CNN*)

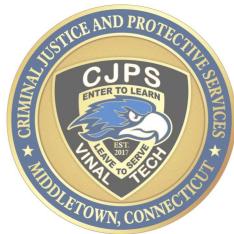
US Travel Restrictions

-People who have been in China (People's Rep.) in the past 14 days are not allowed to enter the USA.

-Passengers who have transited or have been in Austria, Belgium, Czechia, Denmark, Estonia, Finland, France, Germany, Greece, Italy, Iran, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, or Switzerland in the past 14 days are not allowed to enter the USA.

-Passengers who have transited or have been in Ireland (Rep.) or in the United Kingdom (excluding overseas territories outside of Europe) in the past 14 days are not allowed to enter the USA.

*Further specifications can be found from the IATA.



Future Planning

Healthcare System

- If shortages worsen, health care workers may be asked to reuse masks for encounters with multiple patients. (CDC)
- Providers who have already had the disease, called COVID-19, may have some protective immunity and should be the first to treat new patients if no masks are available. (CDC)
- American doctors may soon be making the decision healthcare workers in Italy are: Which patients will be getting lifesaving treatment and which will not?
- Doctors in Italy have been working 12 hour shifts completely encapsulated in PPE

Correctional System

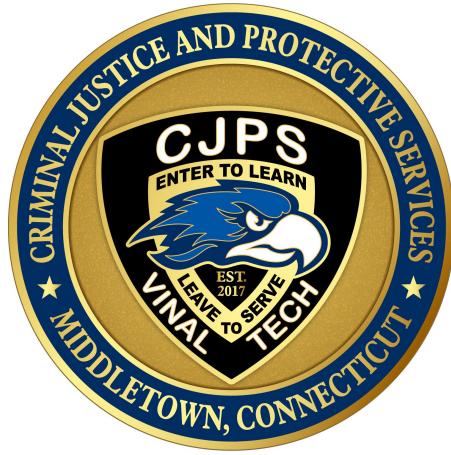
- Quarantines are taking place in jails as prisoners, correctional officers, and public defenders have tested positive.
- Prisoners who are older, have medical conditions, are pregnant, have the most low-level crimes, and are nearing the end of their sentencing are being released from jail.
- Sheriff Greg Ahern of Alameda County, CA told deputies to issue citations for most low-level crimes, rather than booking people into jail in order to keep population down.
- Many state prison systems have stopped accepting new prisoners

Reinfection/Immunity

- Reinfection is common within 4 seasonal coronaviruses and little is known of reinfection in SARS and MERS, although length of immunity in survivors of MERS could be detected for up to 2 years
- The more ill a patient typically reflects on how long immunity will last

PPE

- The department announced last week that 500 million more N95 masks will arrive in the next 18 months.
- "Based on WHO modelling, an estimated 89 million medical masks are required for the COVID-19 response each month. For examination gloves, that figure goes up to 76 million, while international demand for goggles stands at 1.6 million per month."
- Chain for obtaining PPE: Chain: when healthcare facilities face shortage they petition their local/state public health departments, if state doesn't have enough state officials contact HHS
- For projected demand of PPE globally manufacturers must increase mask production by 40%.
- Individual countries stockpiling their own supplies: Germany and South Korea banned export of medical masks, US gov't may be considering imposing similar restrictions



ENTER TO *LEARN*
LEAVE TO *SERVE*

**OUR GOAL IS TO PROVIDE MISSION SUPPORT
TO FRONTLINE DISASTER RESPONDERS IN
ORDER TO KEEP THEM SAFE AND INFORMED**

To learn more about our program or subscribe to our SitReps, visit VinalCJPS.com.

THANK YOU FOR YOUR SERVICE