



RiskIQ i3:

COVID-19 Daily Update

04/22/2020

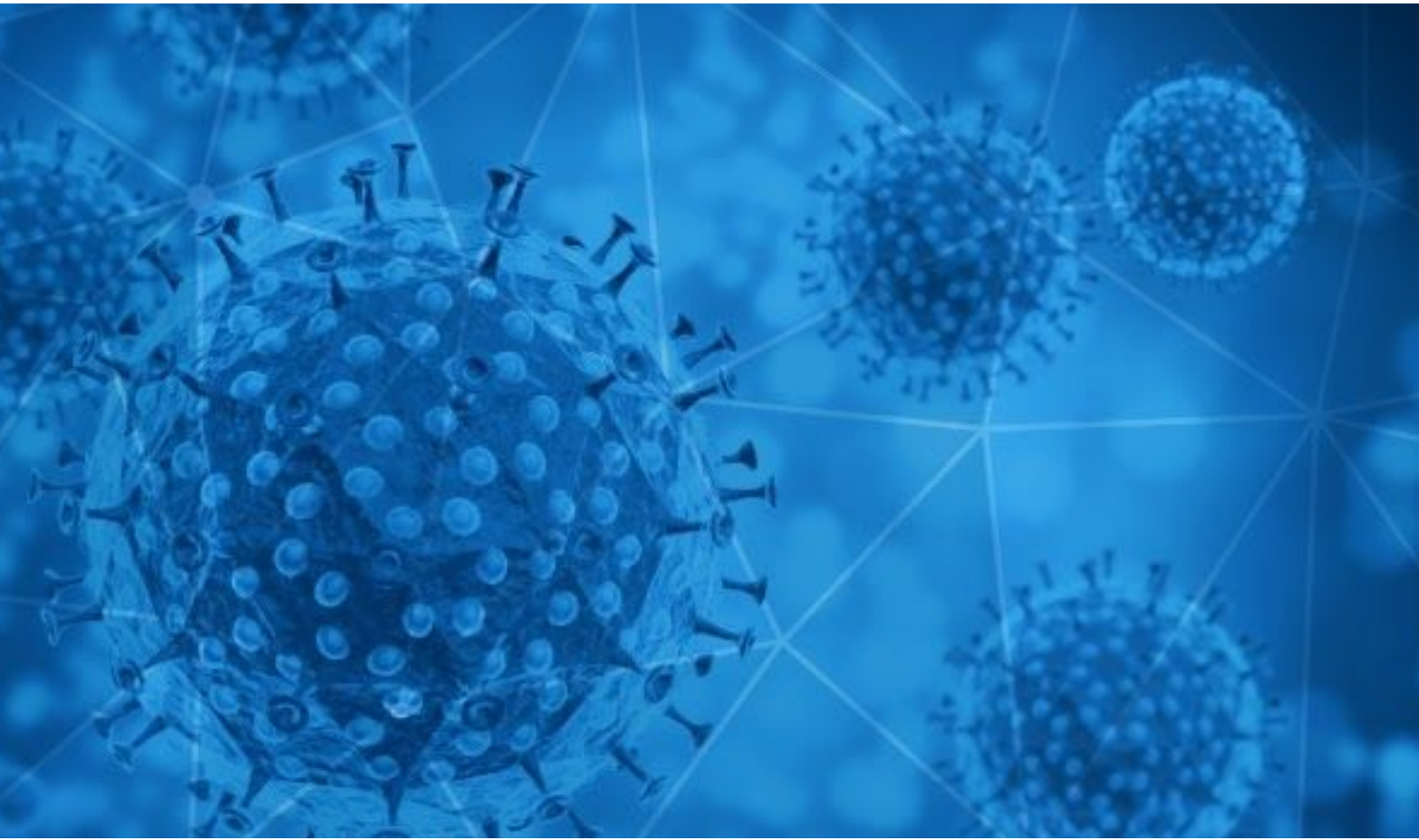


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Methodology

The information provided in this report is limited to open source and publicly available data discovered through standard, commonly known browsing techniques and keyword searches. To provide efficient results, RiskIQ may use websites that require payment in exchange for aggregation of data that is otherwise publicly available without payment and could be obtained by anyone accessing the correct sites or engaging the correct third parties to obtain the information. Information presented in this report is cross-checked against multiple sources for full verification; however, some assessments and conclusions are based on incomplete information and represent the RiskIQ analyst's judgment based on patterns and data available.

Disclaimer

The information provided in this report is "as-is" and Customer acknowledges and agrees that RiskIQ makes no representation or warranty, express or implied, as to the accuracy or completeness of the information. Customer agrees that RiskIQ shall not have any liability resulting from Customer's use of this information.

Notable Events in the Past 24 Hours

Air Canada, Canada's largest domestic and international airline, has announced it will [suspend services](#) to the United States between 04/26/2020 and 05/22/2020. Air Canada has maintained limited service to eleven U.S. locations since travel restrictions between the two nations were enacted, though those flights were largely to assist with repatriation of Canadian citizens.

[Hydroxychloroquine](#)—the anti-malaria drug touted by President Trump as a “game changer”—has been widely used in a bid to treat COVID-19 after anecdotal reports surfaced suggesting the drug could prove beneficial to patients. Data provided by the Veterans Health Administration (VA), however, suggests the drug offers no benefit and may increase the risk of mortality among patients. The VA reported the risk of death was more than double in patients who received hydroxychloroquine.

Mississippi Governor Tate Reeves said he had [discussions](#) over the weekend with the governors of Florida, Georgia, Alabama, and Tennessee. The discussions centered around the states' approaches to reopening their respective economies.

CDC Director Robert Redfield warned the [second wave](#) of the novel coronavirus could be worse than the first, as the second will likely coincide with the onset of flu season. Redfield cautioned hospitals could become overwhelmed if they have to respond to both a COVID-19 outbreak and an influx of flu patients, especially since both diseases affect the respiratory system.

New York Governor Andrew Cuomo on Tuesday told President Trump the state no longer needs the hospital ship [USNS Comfort](#) to treat COVID-19 patients, recommending he send the ship to other hard-hit states. Trump later stated the ship would depart New York and head back to its base in Virginia in preparation of future deployments.

There are indications from Chicago Mayor Lori Lightfoot and Illinois Governor J.B. Pritzker that both the city and state could see extensions of [stay-at-home orders](#). Pritzker said people should not expect to see a mass opening of businesses on 05/01/2020, when the order was originally set to expire. Likewise, Lightfoot said the original end date is no longer viable, and expects the restrictions to last into May, though they could continue until the end of June.

[Nearly 2,500 employees](#) at one of Michigan's largest healthcare systems learned on Tuesday they would be furloughed, due to particularly dire financial circumstances related to the novel coronavirus outbreak.

Six hundred severely-ill COVID-19 patients received [plasma](#) donated by those who have already recovered from the virus in a study aimed at evaluating the efficacy of the treatment. In

one hospital, eleven patients received the plasma infusion and showed promising results. All eleven patients are either in some stage of recovery or their condition has remained stable.

The State Department has assessed that Russia, China and Iran are mounting increasingly intense and [coordinated disinformation campaigns](#) against the U.S. relating to the outbreak of the new coronavirus, according to an internal report. All three countries are using state-controlled media, social media and government agencies and officials to disseminate information to domestic audiences and global audiences alike that denigrates the U.S. and spreads false accounts, the State Department report says.

U.S. [ethanol production has hit an all-time low](#). Nearly 30% of the nation's 204 biofuel plants have been idled since March 1, while many others have slashed production.

[Covid-19 is tearing at the European Union's binding principles](#), raising questions about the viability of an economic system built on borderless migration and a single marketplace that matches labor supply with demand. Nowhere is that more apparent than in the sudden reordering of its agricultural industry.

Digital Exploitation

Unknown activists have posted nearly 25,000 [email addresses](#) and passwords allegedly belonging to the National Institutes of Health, the World Health Organization, the Gates Foundation and other groups working to combat COVID-19, according to the SITE Intelligence Group. SITE said the information was released 04/19/2020 and 04/20/2020 and almost immediately used to foment attempts at hacking and harassment by far-right extremists.

Researchers at Bitdefender discovered that Linksys routers have been affected by a malware campaign, according to LookingGlass reporting. At least 1,200 Linksys Smart Wi-Fi application users had their DNS settings altered to redirect the victims to a malware-serving website that delivers the Oski information stealer.

The Netherlands National Institute for Public Health and the Environment (RIVM) announced on 04/20/2020 that it had been impersonated in a COVID-19 SMS scam, according to LookingGlass reporting. The SMS contained a potentially malicious link and referenced the [NL-Alert] tag that the Netherlands uses for crisis communication.

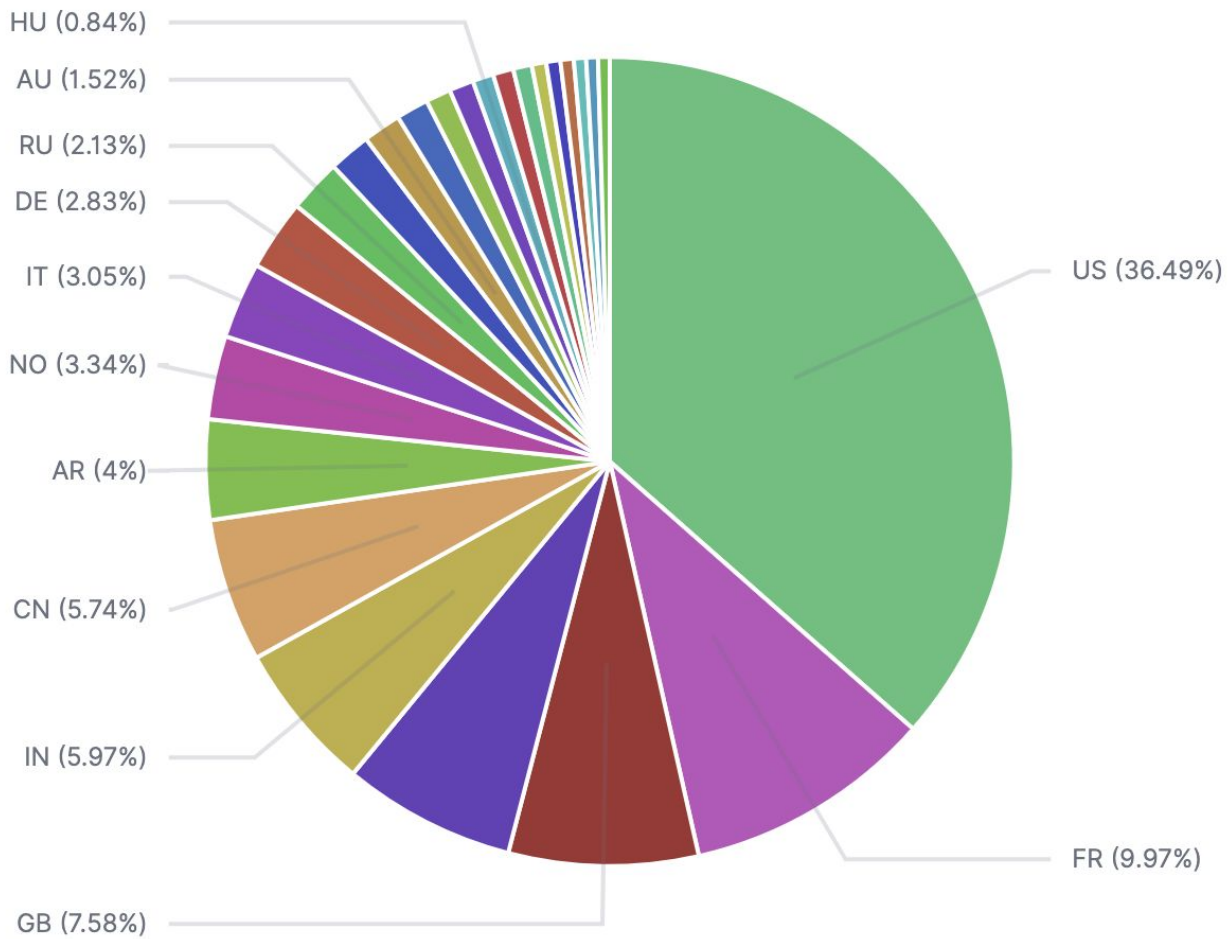
New Blacklist Data

hxxps://covid-19normallife[.]com/

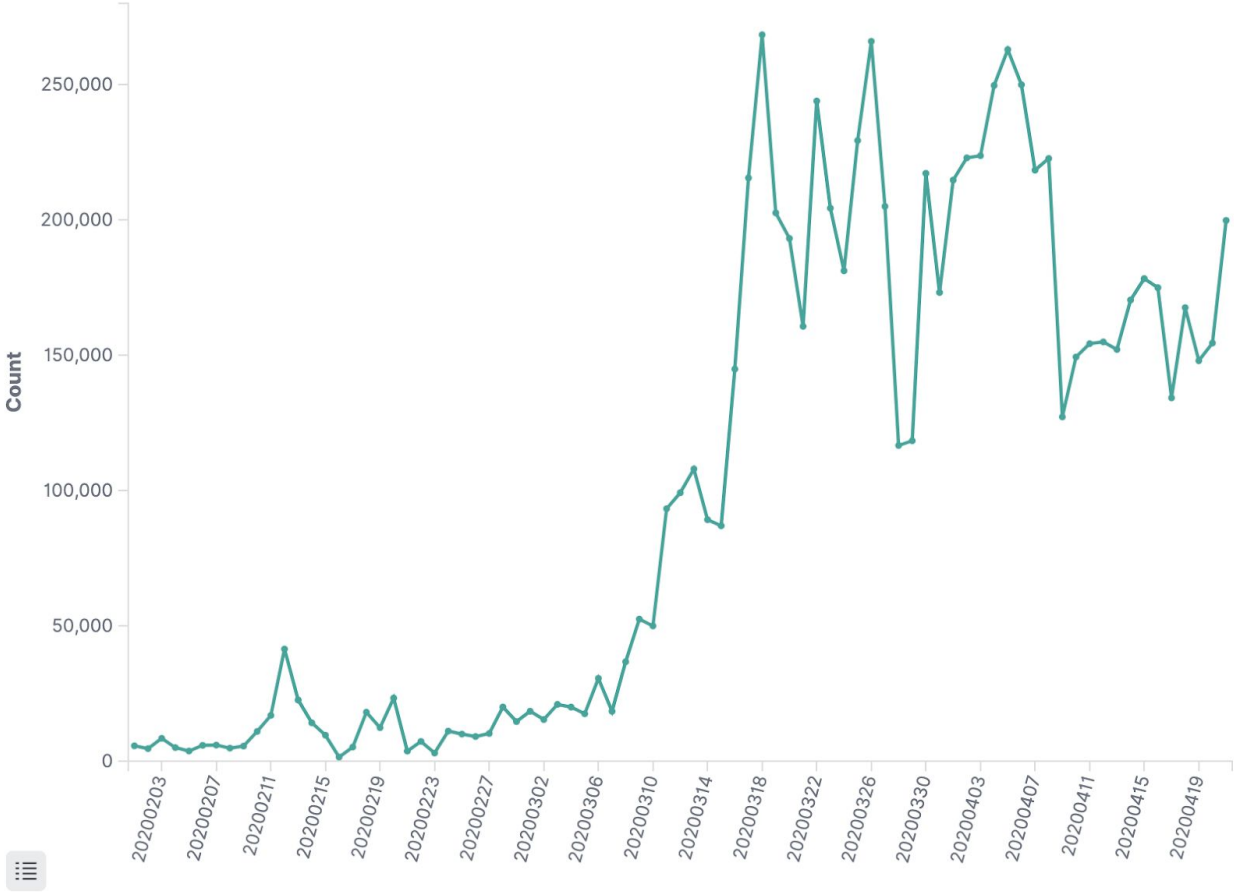
hxxp://vrcovid-19[.]com/

COVID-19 Email Spam Statistics

RiskIQ analyzed its spam box feed for the time period of 04/21/2020-04/22/2020. During this period, RiskIQ analyzed 199,782 spam emails containing either “*corona*” or “*covid*” in the subject line. There were 15,189 unique subject lines observed during the reporting period. The spam emails originated from 9,196 unique sending email domains and 13,864 unique SMTP IP Addresses. Analysts identified 1 email which sent an executable file for Windows machines.



Spam emails by country of origin



Spam emails by volume since February 1, 2020

Top 25 Subjects

1. 20,403 - Umgehend versandbereit: Waschmaschinenfest. Covid19schutzmasken. 2er Pack
2. 11,850 - Sofort versandbereit: Wiederverwendbare Covid19schutzmasken. Sofort versandbereit.
3. 10,571 - COVID-19 pandemic outbreak
4. 10,029 - Umgehend versandbereit: Waschmaschinenfeste Covid19schutzmasken
5. 9,482 - Direkt versandbereit: Waschmaschinenfest. Covid19schutzmasken. 2er Pack
6. 8,040 - Achtung, Jetzt Corona-Schutzmasken bestellen - sicher gegen Corona!
7. 5,802 - The Mask that can prevent Coronavirus now
8. 5,340 - COVID-19 STIMULUS PACKAGE GRANT BENEFICIARY
9. 4,275 - coronavirus.mascarilla de proteccion facial
10. 3,877 - TIMES TOP10: The few silver linings in India's Covid-19 stats
11. 3,581 - The Corona Letter: Governance challenges of a lockdown
12. 2,923 - (Quick delivery/Today's quotation) Protective mask and Diagnostic kit for COVID-19, goggles, infrared thermometer, protective clothing
13. 2,887 - Coronavirus is spreading, this specialized mask can control it
14. 2,204 - ✓ 2nd wave of coronavirus . Be prepared with this Reusable Washable Mask
15. 1,886 - COVID19 Offer -85%
16. 1,835 - United Nation Donation For Coronavirus (COVID 19) epidemic
17. 1,743 - This Mask Stops Coronavirus
18. 1,675 - COVID-19 Face Mask & Safety Products
19. 1,567 - Spende für Covid 19-Pandemie
20. 1,551 - Standard Bank: COVID-19 Payment Relief Funds Approved
21. 1,377 - Supplies for counter COVID-19 virus
22. 1,330 - My Proposal (Covid-19 is real. Stay Safe!)
23. 1,274 - Welche Maske sollten Sie gegen das Coronavirus tragen? Hier die Informationen und alles Wissenswerte
24. 1,149 - Be prepared. Use our unemployment guide to help during the coronavirus crisis
25. 1,140 - Don't let the COVID19 stop you. Learn free information about unemployment assistance.

Top 10 IP Addresses

1. 22,564 - 104.160.191.154
2. 21,088 - 45.10.20.109
3. 10,797 - 51.15.105.228
4. 10,570 - 178.239.161.164
5. 7,400 - 104.160.175.161
6. 6,518 - 37.48.73.99
7. 5,340 - 82.134.25.158
8. 4,275 - 181.22.3.165
9. 1,835 - 173.82.208.151
10. 1,622 - 101.178.200.252

Top 10 Domains (RDNS)

1. 22,564 - pc.awmuizmail.xyz
2. 21,088 - littletikes.com
3. 11,034 - tele2.nl
4. 10,570 - 164.161.239.178.baremetal.zare.com
5. 7,400 - srv36.berit.online
6. 6,518 - Masken-Shopping-heute.live
7. 5,340 - 158.82-134-25.bkkb.no
8. 4,275 - 181-22-3-165.speedy.com.ar
9. 1,622 - mail.scottsigns.com.au
10. 1,444 - srv185.venitas.lt

Top Subjects Containing Attachments with Executable Files for Windows Machines (PE/EXEs)

1. 1 - COVID-19 UPDATE // MSC SINGAPORE BUSINESS CONTINUITY PLAN ANNOUNCEMENT

Top Countries Sending SPAM - Covid/Coronavirus Contained in Subjects (by Geolocation on SMTP IP Address)

1. 59,207 US	14. 2,104 ES
2. 16,172 FR	15. 1,626 JP
3. 12,301 GB	16. 1,589 BR
4. 11,217 NL	17. 1,358 HU
5. 9,693 IN	18. 1,314 BE
6. 9,320 CN	19. 1,211 ID
7. 6,483 AR	20. 936 VN
8. 5,417 NO	21. 918 TH
9. 4,946 IT	22. 860 HK
10. 4,589 DE	23. 794 ZA
11. 3,450 RU	24. 764 UA
12. 2,722 CA	25. 755 PL
13. 2,471 AU	

COVID-19 Host, Domain, and Mobile App Tracking

RiskIQ gathers data relating to newly-observed hosts and domains containing COVID-19, COVID19, or Coronavirus in the host or domain name and mobile apps containing COVID-19, COVID19, or Coronavirus in the title or description. A summary of data collected is contained in this section.

Domains and Hosts

Domains: 68,393

Hosts: 78,065

Hosts and Domains with Potential Mail Servers: 278

Email-Capable Domains and Hosts: 25,101

Live Hosts and Domains Not Parked: 31,779

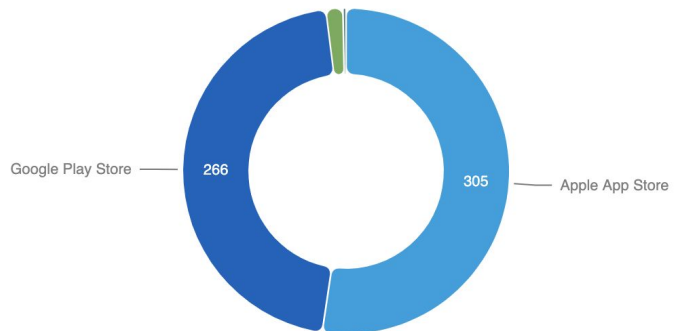
Mobile Apps

1. Apps in Official Stores:

(See Graph)

- a. Google Play Store: 266
- b. Apple App Store: 305
- c. Windows Phone: 9
- d. Amazon: 1

Apps on Official Stores

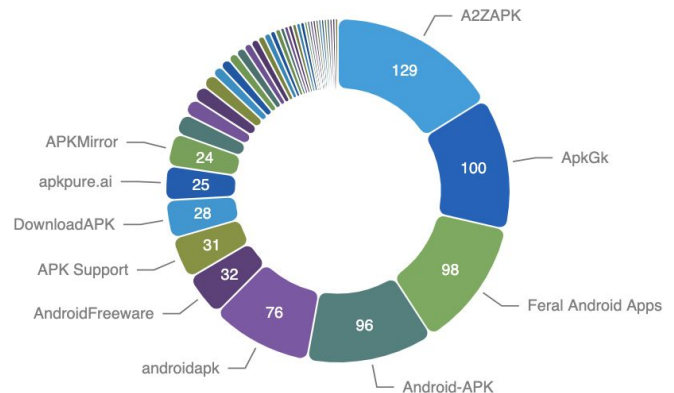


2. Apps in Secondary/Hybrid Stores: 761 (See Graph)

Apps on Secondary and Hybrid Stores by store

3. Blacklisted Mobile Apps by Store Type:

- a. Secondary: 28
- b. Hybrid: 1
- c. Official: 2



Facts and Figures at a Glance

Data is from [Johns Hopkins Coronavirus Resource Center](#).

Global

Total Cases: 2,585,468
Total Fatalities: 178,845
Countries w/ Confirmed Cases: 185

U.S.

Total Tests Conducted: 4,163,464
Total Cases: 825,306
Total Fatalities: 45,075
Jurisdictions Reporting Cases: 54 (50 states, District of Columbia, Puerto Rico, Guam, and U.S. Virgin Islands)

Highest COVID-19 Case Count: U.S.

States

1. New York: 258,589
2. New Jersey: 92,387
3. Massachusetts: 41,199

Counties

1. New York City (NY): 144,190
2. Nassau County (NY): 31,079
3. Suffolk County (NY): 28,701
4. Westchester County (NY): 24,656
5. Cook County (IL): 23,181
6. Los Angeles County (CA): 15,165
7. Wayne County (MI): 14,255
8. Bergen County (NJ): 13,356
9. Hudson County (NJ): 11,221
10. Essex County (NJ): 11,128

Stay-At-Home/Shelter-In-Place Orders

State	Start	End	State	Start	End
California	03/19	TBD	New Hampshire	03/27	05/04
Illinois	03/21	04/30	Montana	03/28	04/24
New Jersey	03/21	TBD	Rhode Island	03/28	05/08
New York	03/22	05/15	Kansas	03/30	05/03
Connecticut	03/23	05/20	North Carolina	03/30	04/29
Kentucky	03/23	TBD	Maryland	03/30	TBD
Louisiana	03/23	04/30	Virginia	03/30	06/10
Ohio	03/23	05/01	Arizona	03/31	04/30
Oregon	03/23	TBD	Tennessee	03/31	04/30
Washington	03/23	05/04	Washington, DC	04/01	05/15
Delaware	03/24	05/15	Nevada	04/01	04/30
Indiana	03/24	05/01	Pennsylvania	04/01	04/30
Michigan	03/24	04/30	Oklahoma	04/01	04/30
New Mexico	03/24	04/30	Texas	04/02	04/30
Massachusetts	03/24	05/04	Maine	04/02	04/30
West Virginia	03/24	TBD	Florida	04/03	04/30
Hawaii	03/25	04/30	Georgia	04/03	04/30
Wisconsin	03/25	05/26	Mississippi	04/03	04/27
Vermont	03/25	05/15	Alabama	04/04	04/30
Idaho	03/25	04/30	Missouri	04/06	05/03
Colorado	03/26	04/26	South Carolina	04/07	TBD
Minnesota	03/27	05/04			

Governmental Guidance

State & Local Governments

California

As of 04/22/2020, California has 38,845 confirmed cases of COVID-19, with 1,326 deaths. California officials [reported](#) test results from the Center for Disease Control and Prevention determined two Santa Clara residents died from COVID-19 in their home on 02/06/2020 and 02/17/2020. Washington State had been thought to be home to the first U.S. COVID-19 death on 02/29/2020. Monday [marked](#) the highest one-day jump in confirmed COVID-19 cases in California, and the death toll increased by 5 percent from Monday to Tuesday.

Illinois

As of 04/22/2020, Illinois has 33,059 confirmed cases of COVID-19, with 1,468 deaths. Tuesday, Governor J.B. Pritzker [said](#) new models project a COVID-19 case peak date of mid-May. Chicago Mayor Lori Lightfoot stated she expects Illinois' stay-at-home order to extend into May, or even June following the new models.

New York

As of 04/22/2020, New York has 248,431 confirmed cases of COVID-19, with 19,118 deaths. New York's [unemployment](#) website experienced a surge in claims causing it to collapse. Governor Cuomo announced the state now has 1,000 people working with both the online and phone systems to process unemployment claims.

Texas

As of 04/22/2020, Texas has 20,975 confirmed cases of COVID-19 and 545 deaths. Governor Greg Abbott [announced](#) Texas is experiencing positive trends. Only 10 percent of the 205,000 people tested for COVID-19 have tested positive. Gov. Abbott also said Texas has 500,000 open jobs for residents. Under recent executive orders, retailers in Texas will be allowed to operate with a to-go method beginning 04/24/2020.

Washington, DC

As of 04/22/2020, the Washington, D.C. region has a total of 26,921 confirmed cases of COVID-19, with 14,193 in Maryland, 9,630 in Virginia, and 3,098 in the District. The District of Columbia has a total of 127 deaths, Virginia has 324 deaths, and Maryland has 698 deaths. On Monday, Mayor Muriel Bowser [announced](#) measures to reduce the spread of COVID-19 within the D.C. jail. The court order requires the jail to be sanitized, the staff to wear personal protective equipment, and better treatment for inmates who have tested positive with COVID-19.

End Report