

KATHIE'S COVID19 DAILY UPDATES – AUGUST, 2020

AUGUST 3RD, 2020

- The British government has procured "millions" of two separate coronavirus tests that will be able to detect the virus in 90 minutes, the UK department of health said Monday. Both tests will be able to detect Covid-19 and other winter viruses such as flu and respiratory syncytial virus in 90 minutes and will not require a clinical setting, the department said in a statement. The tests will be rolled out in hospitals, care homes and labs across the UK next week.
- Dr. Deborah Birx on Sunday said the US is in a new phase in its fight against the coronavirus pandemic, saying that the virus is more widespread than when it first took hold in the US earlier this year. Birx stressed that Americans need to follow health recommendations, including wearing a mask and practicing social distancing.
- Eli Lilly and Company said Monday it is moving into a Phase 3 clinical trial of its antibody treatment for Covid-19. The Indianapolis-based pharmaceutical giant said that it plans to recruit 2,400 residents and staff at long-term care facilities for its trial.
- MD – Frederick County Public Schools have decided that student instruction for the first semester of the 2020-21 school year will occur in a full virtual format. Montgomery County Public Schools have announced that they will also participate in fully virtual learning for the first semester of the 2020-21 school year. Montgomery County health officials issued a directive Friday telling private schools to be fully online in the fall.
- MD – Maryland announced new mask rules on Friday, requiring residents to wear a mask in any business or commercial building and outside when social distance can't be maintained.
- VA – Fairfax County Public Schools has shifted to a 100% online start to the school year, citing health data.
- DC – D.C. implemented strict new mask guidelines, saying face coverings must be worn whenever you leave home, with few exceptions.



Monday 8/3									
Region	Confirmed Cases	Deaths	Total Tested	Survivors	Population	% of Population Confirmed Cases	% of Population Died	% of Population Tested	% of Population Survived
Worldwide	18,271,912	693,587	345,201,944	11,469,736	7,800,000,000	0.23%	0.01%	4.43%	0.15%
United States	4,814,440	158,375	59,937,617	2,380,561	331,176,957	1.45%	0.05%	18.10%	0.72%
PA	118,038	7,293	1,241,395	86,328	12,800,000	0.92%	0.06%	9.70%	0.67%
MD	90,274	3,515	1,269,552	5,713	6,046,000	1.49%	0.06%	21.00%	0.09%
VA	91,782	2,218	1,242,355	12,108	8,536,000	1.08%	0.03%	14.55%	0.14%
DC	12,274	586	197,192	9,870	706,000	1.74%	0.08%	27.93%	1.40%
WV	6,854	117	291,071	4,897	1,792,000	0.38%	0.01%	16.24%	0.27%
NY	445,146	32,780	6,030,935	316,830	19,440,469	2.29%	0.17%	31.02%	1.63%

AUGUST 4TH, 2020

- MLB Commissioner Rob Manfred has warned that the shortened baseball season could be shut down if the league and players don't improve their COVID management.
- Researchers reported Monday that communities that mandated the use of face masks in public saw an ongoing decline in the spread of the coronavirus, but it takes some time. Once mandates had been in place for about three weeks, the daily growth rate slowed by about 2% on average, researchers reported in the journal Health Affairs. Their estimates suggest that these percentage decreases could add up. They calculate that between 230,000 and 450,000 Covid-19 cases could have been averted by May 22 by mask mandates.
- Congress continues to engage in negotiations over a new coronavirus relief bill. President Trump says that he would consider using his executive powers to stop evictions and lower payroll taxes if a deal is not reached.
- MD –Gov. Larry Hogan on Monday overruled an order prohibiting some private schools in the state from conducting on-campus learning for the start of the academic year. The governor said in a statement that the decision on whether private schools could reopen in-person is up to individual schools and parents.

Tuesday 8/4									
Region	Confirmed Cases	Deaths	Total Tested	Survivors	Population	% of Population Confirmed Cases	% of Population Died	% of Population Tested	% of Population Survived
Worldwide	18,481,910	698,272	348,561,551	11,706,924	7,800,000,000	0.24%	0.01%	4.47%	0.15%
United States	4,863,077	158,975	60,940,080	2,448,305	331,176,957	1.47%	0.05%	18.40%	0.74%
PA	118,937	7,300	1,253,384	86,757	12,800,000	0.93%	0.06%	9.79%	0.68%
MD	91,144	3,523	1,294,065	5,740	6,046,000	1.51%	0.06%	21.40%	0.09%
VA	93,106	2,218	1,258,047	12,255	8,536,000	1.09%	0.03%	14.74%	0.14%
DC	12,313	586	198,815	9,893	706,000	1.74%	0.08%	28.16%	1.40%
WV	6,973	117	294,902	4,918	1,792,000	0.39%	0.01%	16.46%	0.27%
NY	445,841	32,791	6,082,774	320,652	19,440,469	2.29%	0.17%	31.29%	1.65%

AUGUST 5TH, 2020

- Bolivia has made the stark choice to cancel school for the rest of the year due to the coronavirus outbreak. Some 2 million students in the nation won't attend either online or in-person classes until at least 2021.
- Some European countries are slowing or reversing the easing of restrictions amid increases in new cases. Ireland has canceled plans to reopen pubs.
- A third US company has released study results showing its coronavirus vaccine is safe and elicits an immune response. Novavax, Inc. released Phase 1 data Tuesday from 131 volunteers showing that after two doses of the vaccine, participants developed neutralizing antibodies at levels more than four times higher on average than the antibodies developed by people who had recovered from Covid-19. Neutralizing antibodies fight off the virus that causes Covid-19.
- The massive global shift to remote work since the pandemic began has led to some upsides: more flexibility, no commute, more comfortable pants. But those who sense this grand experiment in working from home also comes with plenty of downsides — longer days, more meetings and more email to answer — are backed up by data from 3.1 million workers. The average workday lengthened by 48.5 minutes in the weeks following stay-at-home orders and lockdowns, and the number of meetings increased by 13 percent, according to a working paper published Monday by the National Bureau of Economic Research.
- U.S. businesses slowed their hiring significantly in July, adding only 167,000 new workers to their private payrolls — a steep drop from analysts' expectations.

Wednesday 8/5

Region	Confirmed Cases	Deaths	Total Tested	Survivors	Population	% of Population Confirmed Cases	% of Population Died	% of Population Tested	% of Population Survived
Worldwide	18,735,564	705,061	351,795,623	11,947,368	7,800,000,000	0.24%	0.01%	4.51%	0.15%
United States	4,919,116	160,335	61,621,916	2,482,899	331,176,957	1.49%	0.05%	18.61%	0.75%
PA	119,765	7,321	1,254,194	86,757	12,800,000	0.94%	0.06%	9.80%	0.68%
MD	91,854	3,530	1,310,419	5,740	6,046,000	1.52%	0.06%	21.67%	0.09%
VA	94,251	2,244	1,271,174	12,385	8,536,000	1.10%	0.03%	14.89%	0.15%
DC	12,398	587	200,127	9,959	706,000	1.76%	0.08%	28.35%	1.41%
WV	7,051	124	298,290	5,062	1,792,000	0.39%	0.01%	16.65%	0.28%
NY	446,691	32,801	6,153,767	324,471	19,440,469	2.30%	0.17%	31.65%	1.67%

AUGUST 6TH, 2020

- Major League Baseball has made several strict changes to its health and safety protocols in the wake of recent Covid-19 outbreaks, according to a league memo. The changes include reducing the size of traveling parties, requiring staff members and players to wear face coverings while on the road, and prohibiting players and staff to meet in hotel rooms without special permission.

- The US government is pouring billions into Covid-19 vaccines, and candidates from three companies are moving along quickly: Moderna, Pfizer and Novavax. Read more about the vaccines here: <https://www.cnn.com/2020/08/06/health/covid-19-vaccines-explainer/index.html>
- Another 1.2 million Americans filed for first-time jobless benefits last week on a seasonally adjusted basis, the Department of Labor reported on Thursday. That was down from the prior week's 1.4 million claims.
- Eric M. Garcetti, the mayor of Los Angeles, said on Wednesday that the city could cut off power to homes or business that host large gatherings in defiance of public health guidelines. Large gatherings in private homes are banned under Los Angeles County's public health orders because of the pandemic, but there have been a number of reports of parties in recent weeks.
- The Food and Drug Administration has expanded its list of hand sanitizers that consumers should avoid to include products with inadequate levels of alcohol in addition to those containing methanol. You can read the list here: <https://www.fda.gov/drugs/drug-safety-and-availability/fda-updates-hand-sanitizers-consumers-should-not-use#products>

Thursday 8/6									
Region	Confirmed Cases	Deaths	Total Tested	Survivors	Population	% of Population Confirmed Cases	% of Population Died	% of Population Tested	% of Population Survived
Worldwide	19,008,420	711,906	355,510,796	12,195,313	7,800,000,000	0.24%	0.01%	4.56%	0.16%
United States	4,974,277	161,635	62,384,165	2,541,459	331,176,957	1.50%	0.05%	18.84%	0.77%
PA	120,492	7,335	1,281,473	87,942	12,800,000	0.94%	0.06%	10.01%	0.69%
MD	92,426	3,536	1,332,181	5,749	6,046,000	1.53%	0.06%	22.03%	0.10%
VA	95,049	2,274	1,283,136	12,522	8,536,000	1.11%	0.03%	15.03%	0.15%
DC	12,443	587	202,825	10,015	706,000	1.76%	0.08%	28.73%	1.42%
WV	7,159	124	302,443	5,218	1,792,000	0.40%	0.01%	16.88%	0.29%
NY	447,379	32,811	6,226,435	327,524	19,440,469	2.30%	0.17%	32.03%	1.68%

AUGUST 7TH, 2020

After today the monitoring of the coronavirus daily emails will be moved to a weekly basis. We take great pleasure in serving you and serving up a concise source of news related to the pandemic. It's been our desire to keep people away from too much negativity of the news and focused more on their business but now time to back off these daily emails so we can shift our focus on other higher value activities. On Monday you can expect our typical weekly message, followed by the summaries and links to relevant articles on Wednesday, and finally Friday a summary of the weekly covid-19 data & news snippets.

As we continue to shift our focus please provide us with any insights and comments of how we can support your business needs.

Respectfully Yours – FITCI Staff

- MD – Restaurants in Baltimore will be allowed to reopen at 5 p.m. ET today, with indoor dining limited to 25%, despite White House coronavirus task force coordinator Dr. Deborah Birx naming the Maryland city as an area of concern. Baltimore City Health Commissioner Dr. Letitia Dzirasa said she herself wouldn't advise going out to eat indoors at a restaurant, instead encouraging residents to eat outside or order takeout.
- The US Centers for Disease Control and Prevention (CDC) says it has closed several buildings it leases in Atlanta because Legionella bacteria have been found in their water systems -- bacteria that likely grew because of the prolonged pandemic shutdown. It's a problem that people across the country need to be on the lookout for, the CDC says. The bacteria, which can cause pneumonia, grow in warm or stagnant water. The plumbing in buildings that have been closed for months because of the coronavirus pandemic could provide a perfect breeding ground for Legionella and other waterborne pathogens, the CDC cautions.
- The Covid-19 pandemic is moving into younger populations, health experts said Thursday, with cases skyrocketing among children, teens and young adults.
- The US State Department lifted its global level 4 travel advisory Thursday after more than four months of warning US citizens against traveling abroad.
- Covid-19 appears to suppress the function of important immune system cells, preventing the body from fighting off the infection, researchers in Hong Kong reported Thursday. The team at the University of Hong Kong (HKU) said their findings, published in the peer-reviewed journal Immunity, indicate that boosting immune response with certain drugs might help patients recover better. It's an approach already being tested by several groups. The researchers looked at the blood of 41 patients treated for coronavirus in Hong Kong early in the pandemic, and compared their immune function to that of healthy volunteers. Immune system cells known as dendritic cells, along with T-cells and natural killer cells in patients with Covid-19 all appeared to be suppressed. All these cells are part of the body's response to an infection.



Friday 8/7									
Region	Confirmed Cases	Deaths	Total Tested	Survivors	Population	% of Population Confirmed Cases	% of Population Died	% of Population Tested	% of Population Survived
Worldwide	19,294,286	718,339	359,819,002	12,386,699	7,800,000,000	0.25%	0.01%	4.61%	0.16%
United States	5,032,805	162,812	63,143,120	2,292,644	331,198,130	1.52%	0.05%	19.07%	0.69%
PA	121,294	7,364	1,296,971	88,555	12,800,000	0.95%	0.06%	10.13%	0.69%
MD	93,005	3,551	1,348,880	5,790	6,046,000	1.54%	0.06%	22.31%	0.10%
VA	95,867	2,299	1,299,257	12,635	8,536,000	1.12%	0.03%	15.22%	0.15%
DC	12,518	587	205,983	10,094	706,000	1.77%	0.08%	29.18%	1.43%
WV	7,277	124	307,255	5,330	1,792,000	0.41%	0.01%	17.15%	0.30%
NY	448,168	32,817	6,298,805	330,859	19,440,469	2.31%	0.17%	32.40%	1.70%

AUGUST 14TH, 2020

- President Trump said Wednesday that the federal government will provide up to 125 million masks to school districts around the United States.
- The NFL and the players union have agreed to continue daily Covid-19 testing until at least September 5. The NFL Players Association and the league had originally agreed to daily testing for just the first two weeks of training camp. According to the player's union Covid-19 results tracker on the its website, 56 players have tested positive for coronavirus since training camps opened in late July.
- An ensemble forecast published by the US Centers for Disease Control and Prevention now projects nearly 189,000 coronavirus deaths in the United States by September 5. The new projections, published Thursday, forecast 188,982 deaths, with a possible range of 181,375 to 201,431 deaths.
- The nation's top infectious disease expert, Dr. Anthony Fauci, confirmed to CNN on Friday that scientists at the National Institute of Allergy and Infectious Diseases are working to create a strain of coronavirus that could be used in human challenge trials of a Covid-19 vaccine. Fauci, director of the NIAID, described this approach as a "Plan D" – and the work is still preliminary. If needed, such human challenge trials would be in a matter of months at the earliest.
- The British government has secured early access to 90 million doses of two "promising" vaccine candidates, the Department for Business, Energy & Industrial Strategy said in a statement today. According to the "in-principle" agreement, Britain has secured 60 million doses of the Novavax vaccine and 30 million doses of the Janssen vaccine.
- MD – Maryland has opened a statewide hotline to report potential violations of executive orders meant to stem the spread of COVID-19, contrasting Gov. Larry Hogan’s previous statements urging local jurisdictions to take more control over enforcing the orders. The hotline



— which can be reached by calling 1-833-979-2266 or by sending an email to prevent.covid@maryland.gov — is open 24 hours a day and callers can remain anonymous.

- VA – Virginia health officials announced Thursday that they are conducting a study of coronavirus antibodies in children in the state’s D.C. suburbs after a similar one that focused on the prevalence of antibodies in adults. The study will look at as many as 1,000 people younger than 20 who are receiving care at participating clinical sites. It is being conducted with Inova Health System and will determine the proportion of children and teens with the antibodies.

Friday 8/14

Region	Confirmed Cases	Deaths	Total Tested	Survivors	Population	Positivity Rate (7-day Average)	Number Hospitalized	% of Population Confirmed Cases	% of Population Died	% of Population Tested	% of Population Survived
Worldwide	21,102,920	758,036	383,421,134	13,950,686	7,800,000,000	-		0.0027	0.0001	0.0492	0.0018
United States	5,416,014	170,422	68,527	2,843,642	331,235,184	7.5%	47252	0.0164	0.0005	0.0002	0.0086
PA	126,950	7,497	1,407,604	95,254	12,800,000	5.1%	601	0.0099	0.0006	0.1100	0.0074
MD	98,160	3,620	1,533,472	5,962	6,046,000	5.0%	470	0.0162	0.0006	0.2536	0.0010
VA	103,622	2,363	1,414,449	13,389	8,536,000	7.0%	1258	0.0121	0.0003	0.1657	0.0016
DC	13,024	594	229,649	10,361	706,000	2.1%	83	0.0184	0.0008	0.3253	0.0147
WV	8,151	153	339,349	6,045	1,792,000	2.7%	128	0.0045	0.0001	0.1894	0.0034
NY	453,332	32,887	6,816,381	349,004	19,440,469	0.9%	555	0.0233	0.0017	0.3506	0.0180

Friday 8/7

Region	Confirmed Cases	Deaths	Total Tested	Survivors	Population	% of Population Confirmed Cases	% of Population Died	% of Population Tested	% of Population Survived
Worldwide	19,294,286	718,339	359,819,002	12,386,699	7,800,000,000	0.25%	0.01%	4.61%	0.16%
United States	5,032,805	162,812	63,143,120	2,292,644	331,198,130	1.52%	0.05%	19.07%	0.69%
PA	121,294	7,364	1,296,971	88,555	12,800,000	0.95%	0.06%	10.13%	0.69%
MD	93,005	3,551	1,348,880	5,790	6,046,000	1.54%	0.06%	22.31%	0.10%
VA	95,867	2,299	1,299,257	12,635	8,536,000	1.12%	0.03%	15.22%	0.15%
DC	12,518	587	205,983	10,094	706,000	1.77%	0.08%	29.18%	1.43%
WV	7,277	124	307,255	5,330	1,792,000	0.41%	0.01%	17.15%	0.30%
NY	448,168	32,817	6,298,805	330,859	19,440,469	2.31%	0.17%	32.40%	1.70%

AUGUST 21ST, 2020

- Brazil's congress voted for mandatory mask wearing in closed spaces, such as commercial establishments, offices, schools and places of worship, overturning President Jair Bolsonaro's previous veto.
- Covid-19 deaths in the US should start dropping around parts of the country by next week, the US Centers for Disease Control and Prevention director said, as Americans stick to mitigation efforts that help curb the spread of the virus. So far, more than 5.5 million Americans have been infected and at least 174,255 have died, according to Johns Hopkins University. The country's seven-day average for daily deaths has topped 1,000 for at least 24 days in a row.

- According to some experts the chances of catching Covid-19 while on board a flight are relatively slim. Fear of flying during the pandemic has drastically reduced global air traffic, which has also been restricted due to border closures. If new scientific claims are borne out, the perceived heightened risk of boarding an airplane could be unfounded. In one case, about 328 passengers and crew members were tested for coronavirus after it was learned that a March 31 flight from the US to Taiwan had been carrying 12 passengers who were symptomatic at the time. However, all the other passengers tested negative, as did the crew members.
- A mandatory mask-use policy not only gets people to put on face coverings, but also leads them to undertake other protective behavior such as physical distancing, hand washing and avoiding handshakes, researchers reported Thursday.
- As many as 60 million Americans could have been infected with coronavirus, Director of the US Centers for Disease Control and Prevention Dr. Robert Redfield told the Journal of the American Medical Association Thursday. The CDC released a report in June, published in JAMA, showing an infection rate in the United States of about 10%. Redfield said at the time he believed testing had missed 90% or more of cases. Redfield said Thursday an infection rate of between 10-20% translates into as many as 60 million people who may have already been infected, but there's not really any good data on the numbers yet.
- The White House has formally declared that teachers are essential workers as part of its effort to encourage schools around the United States to reopen for in-person learning.
- Another 1.1 million Americans filed initial claims for unemployment benefits on a seasonally adjusted basis last week, dashing economists' hopes for a second-straight week with fewer than 1 million claims.
- The number of coronavirus cases diagnosed daily in D.C., Maryland and Virginia has fallen to the lowest point in more than five weeks. The numbers have dipped dramatically from last Thursday: Averages declined in D.C. from 72 to 55; in Maryland from 736 to 581 and in Virginia from 1,026 to 837.
- The New York Times has published a Covid-19 vaccine tracker. You can view it here: <https://www.nytimes.com/interactive/2020/science/coronavirus-vaccine-tracker.html>



FREDERICK INNOVATIVE TECHNOLOGY CENTER INC.

Friday 8/21

Region	Confirmed Cases	Deaths	Total Tested	Survivors	Population	Positivity Rate (7-day Average)	Number Hospitalized	% of Population Confirmed Cases	% of Population Died	% of Population Tested	% of Population Survived
Worldwide	22,893,027	797,690	404,817,519	15,539,457	7,800,000,000	-	-	0.0029	0.0001	0.0519	0.0020
United States	5,747,544	177,456	73,872,260	3,096,317	331,235,184	6.4%	41968	0.0174	0.0005	0.2230	0.0093
PA	131,736	7,633	1,517,425	101,552	12,801,989	4.7%	548	0.0103	0.0006	0.1185	0.0079
MD	102,229	3,669	1,693,571	6,040	6,045,680	4.4%	455	0.0169	0.0006	0.2801	0.0010
VA	109,882	2,427	1,535,931	14,091	8,535,519	5.4%	1266	0.0129	0.0003	0.1799	0.0017
DC	13,409	601	253,985	10,720	705,749	1.6%	78	0.0190	0.0009	0.3599	0.0152
WV	8,982	166	377,573	7,010	1,792,147	2.2%	140	0.0050	0.0001	0.2107	0.0039
NY	458,297	32,937	7,353,387	359,497	19,453,561	0.8%	518	0.0236	0.0017	0.3780	0.0185

Friday 8/14

Region	Confirmed Cases	Deaths	Total Tested	Survivors	Population	Positivity Rate (7-day Average)	Number Hospitalized	% of Population Confirmed Cases	% of Population Died	% of Population Tested	% of Population Survived
Worldwide	21,102,920	758,036	383,421,134	13,950,686	7,800,000,000	-	-	0.0027	0.0001	0.0492	0.0018
United States	5,416,014	170,422	68,527	2,843,642	331,235,184	7.5%	47252	0.0164	0.0005	0.0002	0.0086
PA	126,950	7,497	1,407,604	95,254	12,800,000	5.1%	601	0.0099	0.0006	0.1100	0.0074
MD	98,160	3,620	1,533,472	5,962	6,046,000	5.0%	470	0.0162	0.0006	0.2536	0.0010
VA	103,622	2,363	1,414,449	13,389	8,536,000	7.0%	1258	0.0121	0.0003	0.1657	0.0016
DC	13,024	594	229,649	10,361	706,000	2.1%	83	0.0184	0.0008	0.3253	0.0147
WV	8,151	153	339,349	6,045	1,792,000	2.7%	128	0.0045	0.0001	0.1894	0.0034
NY	453,332	32,887	6,816,381	349,004	19,440,469	0.9%	555	0.0233	0.0017	0.3506	0.0180