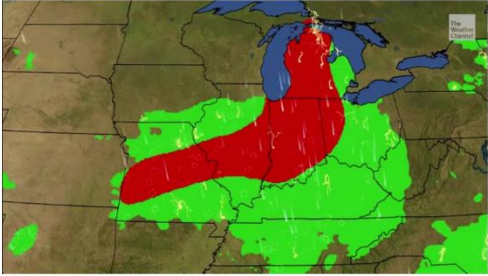




Kentucky Hospital Research & Education Foundation Emergency Preparedness Update for August 11, 2020

Derecho Tracked 700+ Miles Across the Midwest



(Weather.com) A derecho raced eastward across the Midwest on Monday, Aug. 10, 2020, where it caused widespread damage to trees, structures and knocked out power to more than one million.

[A derecho is a widespread wind damage event](#) caused by severe thunderstorms, and this one got its start in southeast South Dakota and eastern Nebraska during the morning. From there, the destructive thunderstorms spread through Iowa, northern and central Illinois, southern Wisconsin, southwest Michigan, Indiana and northwest Ohio.

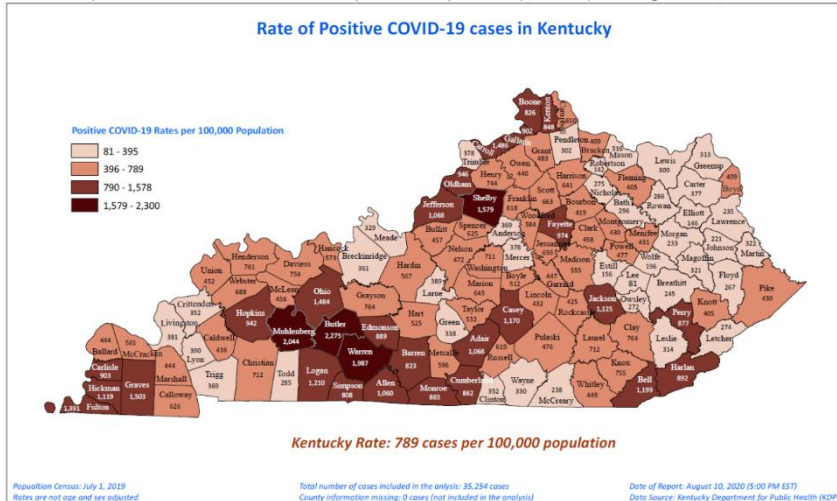
NOAA's Storm Prediction Center says the derecho tracked about 770 miles in 14 hours. Multiple locations in Iowa clocked wind gusts of 90 mph or greater, including a gust to 112 mph in Midway.

Story link: <https://weather.com/storms/severe/news/2020-08-10-derecho-forecast-midwest-severe-thunderstorms-chicago>

Governor advises schools to delay in-person classes until Sept. 28

(From [Press Release](#)) Gov. Beshear and administration officials, in consultation with Kentucky teachers and school administrators, on Monday announced new guidance for schools that are planning for the fall semester.

Map of COVID-19 Case Rates by Kentucky County, 5:00 pm August 10, 2020



“Our recommendation today is that schools wait to begin in-person classes until Sept. 28,” the Governor said. “Yes, that’s six weeks from now, but it’s also six weeks from what I hope is the peak of this virus, six weeks from the last three weeks where we have been at an all-time high week in and week out, six weeks from a time when we just had a 6% positivity rate.”

He said the decision was driven by four factors: Kentucky’s cases being near a peak, an increase in infection rates among children across the U.S., the experience of school districts in other states and families continuing to travel to hotspots for vacations against

the advice of health officials.

There were also changes announced for bars, restaurants, and face coverings in businesses. The full list of requirements is posted on the [Healthy at Work website](#).

As of 4 p.m. Aug. 10, Gov. Beshear said there were at least 35,254 coronavirus cases in Kentucky, 275 of which were newly reported Monday. Thirteen of the newly reported cases were from children ages 5 and younger, including five who are less than a year old. Gov. Beshear reported two new deaths Monday, raising the total to 775 Kentuckians lost to the virus.

(KDPH Daily Summary: <https://chfs.ky.gov/agencies/dph/covid19/COVID19DailyReport.pdf>)

Eric Friedlander, Secretary of the Cabinet for Health and Family Services, also spoke about a new project that Kentucky has been selected to take part in to expand behavior health care treatment. The federal Centers for Medicare and Medicaid Services recently informed Kentucky it had been selected to participate in the Certified Community Behavioral Health Clinic demonstration.

Related - KY Public Health files Emergency Regulation on COVID

(KY Public Health) The Department for Public Health has filed emergency administrative regulation to establish actions that the Department for Public Health may take in response to a declared national or state emergency. These actions include enhancing prevention of the spread of the infectious disease COVID-19 by wearing a face covering in public, subject to certain exceptions. This emergency administrative regulation is needed pursuant to KRS 13A.190(1)(a)1. and 4. to meet an imminent threat to public health, safety and welfare, and to protect

human health. This emergency administrative regulation will not be replaced by an ordinary administrative regulation as these measures are in direct response to the declared state public health emergency.

This emergency administrative regulation differs from the previously filed emergency administrative regulation on the same subject, 902 KAR 2:190E, in multiple ways:

- The provisions relating to an individual who is deaf or hard of hearing or who is actively communicating with an individual who is deaf or hard of hearing have been clarified;
- The provisions relating to penalties were changed to establish a requirement for a warning for the first offense and to establish fines with the second and subsequent offenses;
- Provisions were added to clarify that the Cabinet for Health and Family Services shall consult with the Governor's Office, Centers for Disease Control and Prevention, and other public health authorities to determine if this administrative regulation shall be withdrawn prior to expiration; and
- Lastly, changes were made to comply with the drafting and formatting requirements of KRS Chapter 13A.

A copy of this emergency administrative regulation is available on the Legislative Research Commission website at <https://apps.legislature.ky.gov/law/kar/TITLE902.HTM>.

World hits grim milestone of 20 million reported coronavirus cases

(CNN) The world has reached the grim milestone of 20 million confirmed coronavirus cases and is edging closer to 750,000 deaths globally, according to figures from Johns Hopkins University. The seven-day average for new daily cases has been above a quarter of a million for two weeks. Covid-19 is now spreading among younger people globally, with the proportion of cases among teens and young adults up six-fold, and in young children and babies by seven-fold, WHO said.

Full report: <https://www.cnn.com/2020/08/10/health/20-million-coronavirus-cases-intl/index.html>

Dr. Fauci outlines six things people can do to help defeat the coronavirus

(BGR) Dr. Anthony Fauci recently outlined six things people can do to help prevent the coronavirus from spreading. The list includes mask-wearing, social distancing, good hand hygiene, and avoiding bars. Fauci believes we can see a drastic reduction in new coronavirus cases and, in turn, avoid another shutdown if people simply follow basic safety guidelines. Here's his list:

- Wear a mask outside of home
- Practice physical distancing
- Avoid crowds
- Spend time outdoors whenever possible
- Practice good hand hygiene
- Stay away from bars

Full story: <https://bgr.com/2020/08/10/coronavirus-update-fauci-tips-mask-hands-no-more-shutdown/>

Using Virus Sequencing to Determine Source of SARS-CoV-2 Transmission for Healthcare Worker.

Researchers used virus sequencing to determine that infection of a healthcare worker who cared for 2 SARS-CoV-2–infected patients was probably community acquired. Appropriate personal protective equipment may have protected against hospital-acquired infection. (CDC, 10/2020)

Trump calls Birx's COVID-19 warnings pathetic — but the real test is what she does next

Learn more: <https://www.nbcnews.com/think/opinion/trump-calls-birx-s-covid-19-warnings-pathetic-real-test-ncna1236232>

***Related* - Health officials are quitting or getting fired amid outbreak**

(AP) Vilified, threatened with violence and in some cases suffering from burnout, dozens of state and local public health leaders around the U.S. have resigned or have been fired amid the coronavirus outbreak, a testament to how politically combustible masks, lockdowns and infection data have become.

One of the latest departures came Sunday, when California's public health director, Dr. Sonia Angell, was ousted following a technical glitch that caused a delay in reporting hundreds of thousands of virus test results — information used to make decisions about reopening businesses and schools. Last week, New York City's health commissioner was replaced after months of friction with the Police Department and City Hall.

Dr. Tom Frieden, former director of the Centers for Disease Control and Prevention, called the numbers stunning. He said they reflect burnout, as well as attacks on public health experts and institutions from the highest levels of government. Full AP story: <https://apnews.com/8ea3b3669bccf8a637b81f8261f1cd78>

How to do smarter coronavirus testing

(Axios) With testing once again a huge vulnerability to America's coronavirus response, public health officials are calling for a revamped strategy that features the use of more tests, even if they're imperfect.

Read more: <https://www.axios.com/smarter-coronavirus-testing-69c9042c-f9d4-4dc2-b4c9-84106b3c33e0.html>

Related - (From AHA Today) - FDA Revokes authorization for antibody test

The Food and Drug Administration last week [revoked](#) its emergency use authorization for a SARS-CoV-2 antibody test made by Autobio Diagnostics Co. due to concerns with the accuracy of the test when evaluated at the National Institutes of Health's Frederick National Laboratory for Cancer Research. "Specifically, the Agency has concluded that it is unlikely that this test is effective in detecting SARS-COV-2 IgM antibodies and that the known and potential benefits of its use do not outweigh the known and potential risks," the agency said.

FDA letter: <https://www.fda.gov/media/140908/download>

**Florida was starting to come down,
BUT on Monday they [set a new record for hospitalizations](#). (The Hill)**

In New Zealand, life is ordinary again after 101 days with no community spread

(NPR) The head of the World Health Organization has called the island nation "a global exemplar" for its success in controlling the virus. How has New Zealand been so successful? [Experts point](#) to its quick work in isolating any cases that emerged.

Learn more: <https://www.npr.org/sections/coronavirus-live-updates/2020/08/10/900882499/in-new-zealand-life-is-ordinary-again-after-101-days-with-no-community-spread>

BUT... That was then and [this is now](#):

New Zealand moves fast to lock down Auckland after return of COVID after 102 days

Learn more: <https://www.marketwatch.com/story/new-zealand-moves-fast-to-lock-down-auckland-after-surprise-covid-outbreak-following-weeks-of-no-cases-2020-08-11>

This common eye issue might be a sign of coronavirus infection

(BGR) The list of coronavirus symptoms is long, although most of them can also appear in other medical conditions. That's why a positive diagnosis requires a PCR test. The virus has been found to affect the eyes, with healthcare workers describing COVID-19 patients with red eyes or pink eye symptoms.

Learn more: <https://bgr.com/2020/08/10/coronavirus-symptoms-red-eye-keratoconjunctivitis-study/>

Inducing hypothermia can help get ICU patients with COVID-19 off ventilators

The treatment, sometimes used after cardiac arrest, may be beneficial.

Learn more: <https://abcnews.go.com/Health/inducing-hypothermia-icu-patients-covid-19-off-ventilators/story?id=72298631>

**Russia unveils coronavirus vaccine,
claiming victory in global race before final testing is complete**

(Washington Post) Russian President Vladimir Putin announced Tuesday that the country has become the first to approve a coronavirus vaccine, with tens of thousands of inoculations to follow, including already his own daughter. Officials have pledged to vaccinate millions of people, including teachers and front-line health-care workers, with the experimental [coronavirus](#) vaccine developed by the Gamaleya Institute in Moscow this month, raising global alarm that the country is jumping dangerously ahead of critical, large scale testing that is essential to determine if it is safe and effective.

The vaccine is named Sputnik V, a reference to the first orbital satellite, which was launched by the Soviet Union in 1957 and set off the global space race.

The aggressive approach has been criticized by outside scientists who worry the country is jumping ahead of essential testing. The World Health Organization still lists the Gamaleya vaccine as being in Phase I. Asked about Russia's vaccine developments, WHO spokesman Christian Lindmeier told reporters in Geneva last week that any vaccine should go "through all the various trials and tests before being licensed for rollout," adding that "between finding or having a clue of maybe having a vaccine that works, and having gone through all the stages, is a big difference."

Russia's vaccine uses two doses to deliver different harmless cold viruses, or adenoviruses, that have been engineered to carry into cells the gene for the spiky protein that studs the outside of the coronavirus. The approach is also being used by scientists at the pharmaceutical giant Johnson & Johnson, the Chinese company CanSino Biologics and the University of Oxford in their vaccine candidates.

Full story: https://www.washingtonpost.com/world/russia-unveils-coronavirus-vaccine-claiming-victory-in-global-race-before-final-testing-is-complete/2020/08/11/792f8a54-d813-11ea-a788-2ce86ce81129_story.html (May require subscription.)

Related - FDA won't 'cut corners' to approve a Covid-19 vaccine, commissioner says

(CNN) Safety will not be compromised for a [Covid-19 vaccine](#), the US Food and Drug Administration commissioner said Monday. Dr. Stephen Hahn made the declaration in a video briefing with the American Medical Association. More than 5 million Americans have been infected with coronavirus, and [more than 163,000 have died](#), according to Johns Hopkins data. Hahn acknowledged that because of the speed with which the agency is working, some experts have questioned whether the FDA will compromise its scientific principles in reviewing clinical trial data. Full story: <https://www.cnn.com/2020/08/10/health/us-coronavirus-monday/index.html>

Related - Fact Sheet: Explaining Operation Warp Speed

Operation Warp Speed (OWS) aims to deliver 300 million doses of a safe, effective vaccine for COVID-19 by January 2021, as part of a broader strategy to accelerate the development, manufacturing, and distribution of COVID-19 vaccines, therapeutics, and diagnostics (collectively known as countermeasures). By investing in and coordinating countermeasure development, OWS will allow countermeasures such as a vaccine to be delivered to patients more rapidly while adhering to standards for safety and efficacy. (HHS, 8/7/2020)

A Grim COVID Prediction, With One Hopeful Piece of Advice

Model forecasts 300K US deaths by December, but wearing masks could cut that number

Story link: <https://www.newser.com/story/294648/a-grim-covid-prediction-with-one-hopeful-piece-of-advice.html>

Related - CNN - These states require people to wear masks:

<https://www.cnn.com/2020/06/19/us/states-face-mask-coronavirus-trnd/index.html>

Low-cost Measurement of Facemask Efficacy for Filtering Expelled Droplets During Speech

(*Science*) Mandates for mask use in public during the recent COVID-19 pandemic, worsened by global shortage of commercial supplies, have led to widespread use of homemade masks and mask alternatives. It is assumed that wearing such masks reduces the likelihood for an infected person to spread the disease, but many of these mask designs have not been tested in practice. Researchers have demonstrated a simple optical measurement method to evaluate the efficacy of masks to reduce the transmission of respiratory droplets during regular speech. Researchers measurement setup is inexpensive and can be built and operated by non-experts, allowing for rapid evaluation of mask performance during speech, sneezing, or coughing.

CDC Info: <https://www.cdc.gov/legionella/index.html>

CDC Coronavirus What's New?

- [COVID-19 Overview and Infection Prevention and Control Priorities in Non-US Healthcare Settings](#) Tuesday, August 11, 2020
- Joint Statement from the Census Bureau and Centers for Disease Control on Conducting 2020 Census Non-Response Follow-Up Interviews Monday, August 10, 2020
- [Toolkit for People Experiencing Homelessness](#) Monday, August 10, 2020
- [Interim Considerations for SARS-CoV-2 Testing in Correctional and Detention Facilities](#) Monday, August 10, 2020
- [People Experiencing Homelessness](#) Monday, August 10, 2020
- [COVID-19 Hospitalization and Death by Age](#) Monday, August 10, 2020
- [COVID-19 Hospitalization and Death by Race/Ethnicity](#) Monday, August 10, 2020
- [COVID-19 Associated Hospitalization Related to Underlying Medical Conditions](#) Monday, August 10, 2020
- [People at Increased Risk](#) Monday, August 10, 2020
- [Assessing Risk Factors for Severe COVID-19 Illness](#) Monday, August 10, 2020
- [Responder Stories](#) Monday, August 10, 2020

CDC Closes Some Offices Over Bacteria Discovery

(*New York Times*) The Centers for Disease Control and Prevention told employees that some office space it leases in the Atlanta area would be closed again after property managers of the buildings discovered Legionella, the bacteria that causes Legionnaires' disease, in water sources at the sites. No employees were sickened. The CDC itself warns that Legionnaires' disease, a respiratory illness, can be fatal in 1 in 10 cases.

Is a Successful Contact Tracing App Possible? These Countries Think So

(*MIT Technology Review*) The US is very late to the party. Singapore launched its contact tracing app, TraceTogether, back in March, and Switzerland became the first country to release an app using Google and Apple's exposure notification system in May. It took until last week—that is, three months later—for Virginia to become the first US state to launch an app using the Apple-Google system. A nationwide app in the United States seems out of the question given the lack of a coordinated federal response, but at least three more states are planning to launch similar services. Being a late adopter could have one crucial advantage, though: the opportunity to learn from others' failures—and their successes.

Protesters Increasingly Targeting Officials' Homes

The [New York Times](#) (8/10, Baker, Bogel-Burroughs) reports that as Seattle “was exploring a proposal to cut 50 percent of the police department’s budget to promote racial justice and alternatives to policing last month...Debra Juarez, the first enrolled Native American on the Seattle City Council, was not yet willing to throw her support behind such a steep cut without a plan for how to carry it out.” Activists then “decided to take their protest” outside Ms. Juarez’s home. Public protests are “becoming more direct, more personal, and for some of its targets, more frightening.”

CDC: People Are Dying from Drinking Hand Sanitizer
Others have been blinded from ingesting products made with methanol

(Newser) Using alcohol-based hand sanitizer when soap and water are not available can help protect you from the coronavirus—but drinking it can leave you blind or dead, a new [report](#) from the Centers for Disease Control and Prevention warns. The CDC said that in Arizona and New Mexico in May and June, at least 15 people were hospitalized after ingesting hand sanitizer, [CNN](#) reports. Of those, four patients died and three were discharged from hospitals with "new visual impairments," including a 44-year-old man who suffered near-total vision loss. The CDC says that while drinking any kind of alcohol-based sanitizer is unsafe, these cases involved methanol, which is extremely dangerous to ingest even in small quantities.

Full story: <https://www.newser.com/story/294592/cdc-please-dont-drink-hand-sanitizer.html>

**Ammonium nitrate is all over U.S.,
Given uneven oversight; it exploded in Beirut — and in West Texas**

(KyForward News) Ammonium nitrate, blamed for the Beirut explosion, is all over the U.S., and unevenly regulated, due to agriculture’s influence.

The explosion in Beirut last week that killed more than 130 people was fueled by 2,750 metric tons of an unsafely stored fertilizer. That fertilizer, ammonium nitrate, is common in the U.S., and it’s unevenly regulated. That could put more people at risk, [Joe Wertz reports for the Center for Public Integrity](#).

“A 2020 Center for Public Integrity investigation found uneven oversight of the chemical in the United States, even after efforts to strengthen federal rules,” Wertz reports. Ammonium nitrate “has been a key component of catastrophic industrial accidents and terrorism, including the 2013 blast at an agricultural-products retailer that killed 15 and injured 260 people in Texas, and the 1995 bombing of the Alfred P. Murrah Federal Building in Oklahoma City that killed 168.”

The administration has tried to eliminate the Chemical Safety and Hazard Investigation Board, which probes such industrial accidents; though he’s not been able to convince Congress to defund the CSHIB.

Full story: <https://www.kyforward.com/ammonium-nitrate-is-all-over-u-s-given-uneven-oversight-it-exploded-in-beirut-and-in-west-texas/>

NETEC Webinar

[Approach to Anticoagulation in COVID-19: Evidence and Practice Patterns](#)

Friday, August 14, 2020 | 12:00 PM CT / 1:00 PM ET

National Healthcare Safety Network

LTC COVID-19 Data Quality Webinar – Update

Wednesday, August 12, 2020 at 1:00 PM ET

Register in advance!

https://cdc.zoomgov.com/webinar/register/WN_FhaPQQ31RROGN7O7BLgQ2Qexternal icon

Reach out to NHSNTrain@cdc.gov with any questions.

HHS/ASPR COVID-19 Clinical Rounds Learning Series

Emergency Department: Patient Care and Clinical Operations

Thursday, August 13, at 12:00 - 1:00 pm ET [Click here for registration](#)

Join presenters to discuss emergency management resources and information that can be utilized to improve effective hospital and emergency department function during the COVID-19 pandemic.

The KHREF Emergency Preparedness Update is assembled several times a week. When events make it necessary, the Update may be sent out several times a day to keep our hospital and the healthcare community advised on preparedness news and information. Most of this information is compiled from open sources, and where possible reference links will be provided. There is an archive of [Emergency Preparedness Updates available here](#). If you would like to added or deleted, or have something you would like to contribute to a future edition of the Emergency Preparedness Update, please contact rbartlett@kyha.com (include your current email address). The preparedness program for the Kentucky Hospital Association (KHA) and KHREF are supported by US DHHS ASPR HPP funds through a contract with Kentucky Public Health.