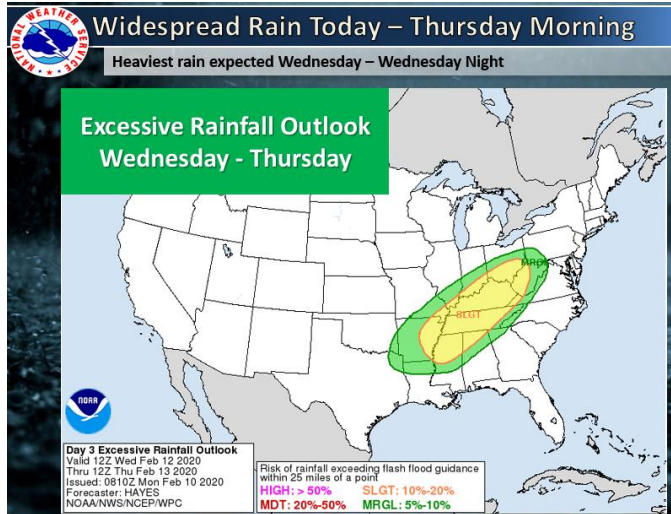




Kentucky Hospital Research & Education Foundation Emergency Preparedness Update for February 10, 2020

Excessive Rain Outlook thru Thursday

NWS Update: Rain showers continue to saturate an already soaked ground as a cold front continues to push southeast through the area. High pressure following the front will keep the region dry through Tuesday. On



Wednesday, a low pressure system will bring another chance of precipitation to the area. This system will bring more rainfall to the area than today's system. Depending on where exactly the axis of heaviest rainfall sets up will determine the potential for flooding. At this time, 2-4 inches can be expected through a large swath of central Kentucky, with higher amounts south and southeast of the parkways and I-71.

[\(See the Governor & KyEM Press Release\)](#)

NWS Louisville: Periods of rain with possible flooding expected this week. Two main waves of rainfall are expected this week. The first will continue to move across the region today as a slow moving frontal system enters the area. While this initial wave of rain is not expected to cause widespread flooding problems, it will saturate the ground.

The next, more significant, wave of rain will impact the region Wednesday and Wednesday night. This wave will likely be heavier than what we see on today. These new rains on soaked ground may lead to area and river flooding. Southern Kentucky will be the most at risk for flooding while a slight shift to the north could add problems for areas in central Kentucky.

Drier weather is expected for the end of the week, but rivers will take time to recede, and flooding on the lower Green and lower Ohio Rivers may continue through the weekend.

NWS Louisville weather story: <https://www.weather.gov/lmk/weatherstory>

NWS Jackson: Today and tonight, rivers will continue to run high across the area and with more rain today and tonight their rate of falling will slow or stop completely. Tuesday through Sunday, Look for the Cumberland and



Kentucky rivers to continue to run high through the week. Another round of moderate to heavy rain is expected from Tuesday night through Thursday. This rain will fall on already saturated grounds likely leading to rapid and renewed rises on area creeks, streams, and rivers as well as flood concerns.

FLOOD WATCH IN EFFECT FROM NOON EST TODAY THROUGH TUESDAY MORNING for McCreary-Whitley-Knox-Bell-Harlan

Counties. Moderate to heavy rainfall remains a concern today through Tuesday morning, as a slow moving cold front pushes into the area. This additional rainfall, on top of saturated soils, will lead to a potential of renewed flooding. Minor flooding of low lying areas, as well as rivers, creeks, and streams will be possible. NWS Jackson weather story: <https://www.weather.gov/jkl/weatherstory>

NWS Paducah: Locally heavy rain expected along and south of the Ohio River. A mid week weather system is forecast to produce widespread rain across the region. The heaviest rainfall is expected to occur across west Kentucky, extreme southern Illinois, and extreme southeast Missouri Wednesday into Wednesday evening.

These areas will likely see one and a quarter to two inches of rainfall, with the highest totals along and south of a line from Mayfield Kentucky to Greenville.

Given the saturated ground conditions due to rainfall earlier in the week, this may have the potential for producing isolated flooding of low lying or poorly drained locations. NWS Paducah weather story:

<https://www.weather.gov/pah/weatherstory>

Ready.gov for more flood information: <https://www.ready.gov/floods>

**Corona Virus Chaos Sparks Trade Disputes
China LNG "Force Majeure" Rejected**

(Bloomberg) Two of Europe's biggest energy companies rejected a Chinese [force majeure](#) on liquefied natural gas contracts in the latest twist to a drama that's gripping global commodities markets. [Royal Dutch Shell Plc](#) and Total SA didn't accept the legal grounds for the move by China National Offshore Oil Corp. that would have freed it from its contractual obligations to take delivery of the shipments, according to people with knowledge of the matter.

China National Offshore Oil Corp. (CNOOC) made the [dramatic](#) move as it struggled to take delivery of LNG because of constraints caused by the virus, which include a lockdown of more than 50 million people in more than a dozen cities. It was one of the first known cases of the legal clause being invoked in commodity contracts due to the epidemic, which has plunged raw materials markets into chaos. China is the world's biggest consumer of most raw materials, from energy products to industrial metals, and the disruptions in its purchases are creating havoc across global supply chains.

Read more: <https://www.bloomberg.com/news/articles/2020-02-07/china-lng-force-majeure-rejected-as-virus-chaos-sparks-dispute>

KY Public Health 2019 nCoV webinar recording available

To all who registered for the Kentucky Department for Public Health's February 6 Novel Coronavirus Update Webinar, please use this link to view an archive of the presentation:

<https://attendee.gotowebinar.com/recording/8582490203506053894>.

Other quick headlines and stories:

- [NBC latest updates](#): Deaths on mainland China rise to 908 as confirmed cases reach more than 40,000
 - China says 27 foreigners infected, 2 dead
 - 65 more cases on quarantined cruise ship off Japan.
 - Four more patients test positive for coronavirus in England
 - U.K. calls coronavirus a "serious" health threat and will detain people
- [Pangolins](#) may have passed coronavirus from bats to humans (<https://www.businessinsider.com/what-is-a-pangolin-animal-spread-coronavirus-to-humans-2020-2>)
 - Wildlife Markets Are Ticking Time Bombs For Epidemics Like Coronavirus
- More fallout from the coronavirus epidemic: [adoption of Chinese infants and children](#) put on hold. (CNN)
- Why has China been ignoring the CDC and the World Health Organization's [offers of help with the novel coronavirus](#) outbreak until recently? (*New York Times*)
- Even [diplomats aren't immune from quarantine](#) over coronavirus fears. (*Reuters*)
- The U.S. Government Is Quarantining More Than 800 Americans. Here's Why That Very Rarely Happens (<https://news360.com/article/519980452>)
- Coronavirus screening report possible in 15 minutes (<https://news360.com/article/520079274>)
- Face masks alone aren't a good way to keep from getting sick (<https://www.popsci.com/story/health/do-face-masks-work/>)



More Than 3 Dozen Military Hospitals to Stop Treating Retirees, Families

(Military.com) Military families and retirees receiving care through 38 military hospitals nationwide will soon be forced to go off-base instead, and some pharmacies at those hospitals will stop providing drugs to those not on active duty, Military.com has learned.

A 12-page memo, reviewed by Military.com, was sent to the commanders of 50 military treatment facilities, or MTFs, targeted for changes. It details for commanders the impacts of a planned MTF restructuring, the subject of an upcoming report to Congress.

The changes are a part of a review of military hospital operations and a system consolidation under the Defense Health Agency ordered by Congress in 2016. Aimed at increasing a focus on military readiness, the consolidation includes a plan to cut about 18,000 uniformed medical personnel and increase focus on active-duty support. But to do so, the hospitals must cull the number of family members and retirees to whom they currently offer care.

Read more: <https://www.military.com/daily-news/2020/02/07/more-3-dozen-military-hospitals-stop-treating-retirees-families-memo-shows.html>

Eight more adults die from influenza in Ky. Cases continue to rise; many schools close due to illness

(KyForward News) New cases of influenza inched up again in Kentucky during the week ended Feb. 1, and eight more adults in the state were reported dying from it. So far, 41 Kentuckians have died from the flu this season, three under the age of 18, according to the state Department for Public Health.

The latest weekly report shows in the week ending Feb. 1, Kentucky counted 1,815 new cases, a slight increase from the 1,739 reported the previous week. During this flu season, 15,102 cases have been reported in Kentucky. The actual number is higher because not all flu cases are counted; flu does not have to be reported, and six counties did not contribute to the latest report.

The latest numbers show that the flu is at least twice as bad as it was last year at this time, when there were 7,285 confirmed cases of the flu, and 21 deaths, one under the age of 18.

Health officials recommend that everyone over 6 months old get an annual flu vaccination. It is not too late, since the season usually runs through May.

Read full story: <https://www.kyforward.com/eight-more-adults-die-from-influenza-in-ky-as-cases-continue-to-rise-many-schools-close-due-to-illness/>

Virtual Primary Care 'Visits'? That Future Is Already Here <https://news360.com/article/519941959>

Children's Mental Health Is Effected By Sleep Duration

(eurasiareview) Depression, anxiety, impulsive behaviour and poor cognitive performance in children is effected by the amount of sleep they have researchers from the University of Warwick have found.

Sleep states are active processes that support reorganisation of brain circuitry. This makes sleep especially important for children, whose brains are developing and reorganizing rapidly.

In the paper 'Sleep duration, brain structure, and psychiatric and cognitive problems in children.' published in the journal Molecular Psychiatry, 11,000 children aged 9-11 from the Adolescent Brain Cognitive Development dataset had the relationship between sleep duration and brain structure examined by researchers Professor Jianfeng Feng, Professor Edmund Rolls, Dr. Wei Cheng and colleagues from the University of Warwick's Department of Computer Science and Fudan University.

Measures of depression, anxiety, impulsive behaviour and poor cognitive performance in the children were associated with shorter sleep duration. Moreover, the depressive problems were associated with short sleep duration one year later.

Learn more: <https://www.eurasiareview.com/10022020-childrens-mental-health-is-effected-by-sleep-duration/>

Grayson County woman severely burned in home gas explosion dies 7-year old daughter released with minor injuries

Story: <https://www.wlky.com/article/grayson-county-woman-severely-burned-in-home-explosion-dies-officials-say/30835866>

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 add or delete, 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.