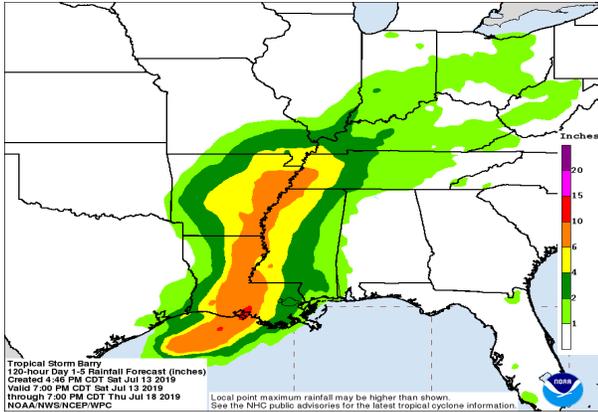




Kentucky Hospital Research & Education Foundation Emergency Preparedness Update for July 13-14, 2019

Rainfall potential from TS Barry in KY dropping

**Hazardous Weather Outlook for portions of south central Kentucky.
National Weather Service Louisville KY at 324 PM EDT Sat Jul 13 2019**



Counties: Logan, Warren, Simpson, Allen, Barren, Monroe, Metcalfe, Russell, Cumberland, Clinton; including the cities of Russellville, Bowling Green, Franklin, Providence, Scottsville, Glasgow, Tompkinsville, Edmonton, Jamestown, Burkesville, and Albany

Tonight: Locally heavy rainfall is possible in any showers or storms near the Kentucky-Tennessee border this evening.

Sunday through Friday: Isolated to scattered showers and thunderstorms are possible Sunday and Monday, with greater coverage and intensity expected Tuesday

or Wednesday as the remnants of Tropical Storm Barry impact the Ohio Valley. Heavy rainfall will be the primary hazard, with rainfall totals of 1 to 3 inches possible. Any flooding concerns will depend on where and how quickly that rainfall occurs.

Hazardous Weather Outlook for Western KY National Weather Service Paducah KY at 326 PM CDT Sat Jul 13 2019

Through Tonight: Isolated showers and thunderstorms in the southern portions of southeast Missouri and west Kentucky will dissipate by early evening. Conditions will continue to improve along the Mississippi River as levels drop steadily.

Sunday through Friday: Isolated thunderstorms are possible across the region Sunday afternoon. Severe storms are not expected.

Numerous showers and a few thunderstorms are forecast from late Sunday night through Tuesday night due to the remnants of tropical system Barry, with the risk of heavy rainfall and flooding in some areas. The heaviest rain should be over southeast Missouri and western Kentucky. See the latest Hydrologic Outlook and Flash Flood Watch for more details. A few strong storms are possible early in the week.

Later in the week, heat indices are forecast to climb above 100 degrees during the day Thursday and Friday.

Source: [https://forecast.weather.gov/wwamap/wwatxtget.php?cwa=lmk&wwa=hazardous weather outlook](https://forecast.weather.gov/wwamap/wwatxtget.php?cwa=lmk&wwa=hazardous%20weather%20outlook)

Link to Flash Flooding models: https://www.nhc.noaa.gov/refresh/graphics_at2+shtml/234632.shtml?ero#contents

House OK's defense bill declaring PFAS chemicals hazardous under Superfund law

(Detroit News) The U.S. House on Friday approved in a 220-197 vote a defense authorization bill with a provision by two Michigan Democrats that would designate all toxic fluorinated chemicals as hazardous substances under the Superfund program within a year. Michigan members also successfully pushed an amendment to phase out *military fire-fighting foam* containing so-called PFAS compounds by 2025, rather than 2029 as called for in the underlying National Defense Authorization Act.

Formally listing PFAS as hazardous would give the U.S. Environmental Protection Agency additional power to require responsible parties to undertake or pay for cleanup for contaminated sites.

PFAS refers to a large class of chemicals known as per- and polyfluoroalkyl substances used to make furniture, paper packaging for food and cookware resistant to water, grease or stains.

The chemicals are linked to health effects including certain cancers and damage to liver and immunity functions, developmental impacts on fetuses, as well as cognitive and behavioral effects in exposed children.

Read more: <https://www.detroitnews.com/story/news/politics/2019/07/12/defense-bill-declares-pfas-hazardous-superfund-program/1713160001/>

Related: President threatens veto on defense bill that targets 'forever chemicals'

Read more: <https://thehill.com/policy/energy-environment/452507-trump-threatens-veto-on-defense-bill-that-targets-forever-chemicals>

Flesh-eating bacteria kills a Memphis man who visited Florida waterways

(CNN) A Tennessee man died (last) Sunday after he became infected with *Vibrio vulnificus*, a type of flesh-eating bacteria, while vacationing in Okaloosa County, Florida, his daughter said. Her father had a compromised immune system due to cancer. He is the second person to die in recent weeks after contracting flesh-eating bacteria in Florida waters.

Vibrio causes an estimated [80,000 illnesses and 100 deaths](#) in the United States every year, according to the US Centers for Disease Control and Prevention, the federal government's public health agency. People with vibriosis become infected either by consuming raw or undercooked seafood or by exposing a wound to seawater.

Read more: <https://www.cnn.com/2019/07/12/health/tennessee-man-flesh-eating-bacteria-trnd/index.html>

'Strike team' of nurses sent to administer hep A vaccinations in Kentucky jails

The state of Kentucky is sending what it calls a "strike team" of nurses to administer the hepatitis A vaccine at jails and other locations throughout the state.

According to a news release from the Cabinet for Health and Family Services, more than 2,100 vaccines have been administered at 40 different locations across the state. These locations include county jails, probation and parole offices, homeless shelters, treatment centers and pharmacies. At least 18 additional vaccination events are scheduled through August.

Full story: https://www.wdrb.com/news/strike-team-of-nurses-sent-to-administer-hep-a-vaccinations/article_13a9333a-a4b4-11e9-97e0-b7d7562929e5.html

What parents should know about once-banned ball bearing-like magnets being back on the market

(ABC) Tiny toy magnets that were once banned because children would ingest them are being found again on toy store shelves. Hear about one boy's hospitalization after swallowing several, and the dangers they present.

Video report: <https://abcnews.go.com/GMA/Family/video/parents-banned-magnets-back-market-64287965>



Hamburger and hot dog buns at Walmart and other retailers recalled for choking hazard

(CBS) Flowers Food, one of the largest producers of packaged bakery goods in U.S., is recalling baked goods including hamburger and hot dog buns and dinner rolls sold by retailers including Walmart, Aldi, Publix and Piggly Wiggly because they may contain pieces of hard plastic that pose a choking hazard.

The Thomasville, Georgia-based food producer initiated the recall after discovering pieces of hard plastic in production equipment, the company said Tuesday in a [news release](#). No related injuries or illnesses have been reported.

The products being recalled were distributed to retailers under a variety of brand names and distributed in Alabama, Arkansas, Florida, Georgia, **Illinois**, **Indiana**, Kansas, **Kentucky**, Louisiana, **Missouri**, Mississippi, North Carolina, **Ohio**, South Carolina, **Tennessee**, Texas, **Virginia**, and **West Virginia**.

See detailed information and product lists: <https://www.cbsnews.com/news/hot-dog-buns-recall-flowers-food-today-walmart-other-retailers-plastics-choking-hazard-2019-07-10/>

Secret Service conducts training to help prevent school, church violence

(WDRB) -- Agents from the U.S. Secret Service descended Thursday on Louisville's Southeast Christian Church. They were not responding to a threat at Kentucky's largest church, but they were trying to prevent one.

The Secret Service specializes in identifying potential threats before something bad happens, and the agency held a threat assessment workshop to train schools and churches to do the same thing.

Hundreds of school administrators, guidance counselors and security officers gathered from across the state. They were all focused on one thing, preventing another tragedy such as the shooting at Marshall County High School in January 2018.

The Secret Service said the idea is for students, faculty and staff to be engaged in preventing violence by keeping their eyes and ears open, and creating a culture where everyone is encouraged to speak up. And it was not just schools. The afternoon session was devoted to training places of worship.

[R Bartlett note: In addition to the head of security for Southeast Christian, there were six other religions which participated on an extended panel discussion on the threats the various groups have faced, and their approaches to handling or responding to the threats. Among the faiths were Jewish, Baptist, Buddhist, Sikh, Hindu, and Muslim. In addition to the US Secret Service, representatives from the US Department of Homeland Security, FBI, ATF, DOJ, US Attorney's Office, Commonwealth Attorney, KY Office of Homeland Security and the Louisville Metro Police participated in the program.]

Full story & video: https://www.wdrb.com/news/secret-service-conducts-training-to-help-prevent-school-church-violence/article_c9e04e1c-a3fc-11e9-85e2-e3650d77bf76.html

Hospital fires 23 workers in case of excessive doses, deaths

(AP) — The Ohio hospital system where excessive painkiller doses were given to dozens of patients who died fired 23 nurses, pharmacists and managers Thursday and said it is changing leadership, a sign that professional fallout from the scandal has expanded far beyond the intensive care doctor accused of ordering the drugs.

The announcement by the Columbus-area Mount Carmel Health System comes five weeks after that doctor, William Husel, [pleaded not guilty to murder charges](#) in 25 of the deaths, marking one of the biggest cases of its kind against an American health care professional.

The newly fired employees include five physician, nursing and pharmacy management team members. Mount Carmel said the other 18 fired were among the nurses and pharmacists who had been on administrative leave during its internal review. One employee remains on administrative leave, and 11 are being given the chance to return to work if they complete additional training.

Mount Carmel fired Husel in December and concluded he had ordered [potentially fatal doses for 29 patients](#) who died over the past few years, including five who might have received the drugs when there still was a chance of improving their conditions with treatment.

The hospital system said six more patients got doses that were excessive but likely not the cause of their deaths.

Read full story: <https://apnews.com/37e3f64408b04099b65657d0a7b4b44d>

Wi-Fi 6 guidelines aim to help operators cope with mobile traffic

The Wireless Broadband Alliance (WBA) has published deployment guidelines for mobile operators, as well as enterprises and vendors, ahead of the launch of [Wi-Fi 6](#) later this year.

Wi-Fi 6 is the first generation of wireless broadband to adopt a more consumer-friendly nomenclature, similar to 4G or 5G, rather than the more technical system that has seen previous standards given technical monikers like '802.11ac.' Among other things, Wi-Fi 6 is expected to deliver faster speeds and greater capacity, with the wireless industry positioning it as a complementary technology to 5G that can help organizations and communications providers cope with the growing amount of data traffic.

The new guidelines published by the organization – and developed with members including BT, Broadcom and Cisco – aim to provide a consistent framework for Wi-Fi 6 deployments in high density areas like stadiums, apartment blocks and public venues.

There are also provisions for Internet of Things (IoT) and enterprise networks. Areas covered include RF planning and design, MU-MIMO, band steering and backwards compatibility with previous generations of Wi-Fi.

Full story: <https://www.techradar.com/news/wi-fi-6-guidelines-aim-to-help-operators-cope-with-mobile-traffic>

What is Wi-Fi 6? <https://www.techradar.com/news/wi-fi-6-release-date-news-and-rumors>

HL7: Is Your Sensitive Data Secure?

(Forbes) Let's talk about Health Level Seven, more commonly known as HL7. If you're a health care provider or developer, you've more than likely heard about the [main body of standards](#) that creates health care interoperability. Consider when a physician requests information about a patient. Using HL7 standards, the system can transfer multiple documents across multiple health care applications to fulfill the request.

Theoretically, this ability to exchange information and move data should minimize geographically isolated medical care, develop cost-effective solutions, enable medical device innovation and, ultimately, make caring for patients safer.

From the start, HL7 was arguably built insecurely, making it unsuitable for the public cloud by itself. This poses a major threat to hospitals and patients by making personal and sensitive patient information susceptible to cyber attacks, data privacy breaches, or worse, harm to patients.

To alleviate the possibility of cyber attacks and data security breaches using HL7 standards -- whether 1X or FHIR -- health care organizations should first be focused on protecting their data and their environments.

Learn more: <https://www.forbes.com/sites/forbestechcouncil/2019/07/12/hl7-is-your-sensitive-data-secure/#398b599d678d>

Amazon and Google are listening to your voice recordings.

(c/net) Ever since [Alexa](#) and [Google Assistant](#) first burst onto the scene and started populating people's homes with smart speakers and other [gadgets](#) outfitted with always-listening microphones, people have wondered whether anyone other than their [AI assistant](#) of choice was listening in.

Well, the answer is yes -- both [Amazon](#) and [Google](#) have admitted that they hire contractors to listen to anonymized user audio clips for the purposes of improving their respective assistant's capabilities.

Learn more: <https://www.cnet.com/how-to/amazon-and-google-are-listening-to-your-voice-recordings-heres-what-we-know/>

July 17 webinar on cyber threats to the health care sector

(AHA Today) The AHA and the Department of Homeland Security July 17 at 1 p.m. ET will host a webinar discussing current cybersecurity threats to the health care sector. Experts from DHS and the Food and Drug Administration's Center for Devices and Radiological Health will review the threat landscape and recommended practices around medical device security and ransomware. [View more information and register.](#)

The KHEREF 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 KHEREF are supported by US DHHS ASPR HPP funds through a contract with Kentucky Public Health.