



Kentucky Hospital Research & Education Foundation Emergency Preparedness Update for May 29, 2019

Hospitals treat patients from Ohio, Kansas tornadoes

(AHA Today for May 29) Dayton-area hospitals treated about 130 people for storm-related injuries after tornadoes struck the area Monday night, according to [WHIO-TV](#). Kettering Health Network hospitals reported treating 79 patients, while Miami Valley Hospital in Dayton and Miami Valley Hospital North in Englewood reported treating 27 and 22 patients, respectively. Upper Valley Medical Center in Troy and Miami Valley Hospital South in Centerville also reported treating at least one patient.

A large tornado also struck parts of Kansas last night causing some injuries and severe damage. Lawrence Memorial Hospital received 12 people with injuries, a hospital spokeswoman told the Kansas City Star, and others were taken to local hospitals. The Kansas tornado is the latest in severe weather that has affected parts the central United States in recent days.

Have you felt the earth shake today??
Shaken Fury 2019 is under way!!

(FEMA) The Federal Emergency Management Agency (FEMA) will conduct Shaken Fury 2019 involving a series of tabletop, functional and full-scale exercises in partnership with the U.S. Department of Energy, U.S. Northern Command, state and local governments, and the private sector. The exercise will take place from May 29th through June 7th and utilize a 7.7 magnitude earthquake scenario along the southwest segment of the New Madrid Seismic Zone (NMSZ) near Memphis, Tennessee to incorporate response and recovery missions.



The purpose of Shaken Fury 2019 is to evaluate and improve the whole community's response to a "no-notice" earthquake, identify gaps in resources, and implement a coordinated recovery strategy that prioritizes resources required for the response.

Read the [Shaken Fury 2019 Fact Sheet](#).

Read more: <https://www.fema.gov/shaken-fury-2019>

So what is Kentucky ESF-8 doing for Shaken Fury??

(Summary by Jim House, KDPH Preparedness Branch Manager) The Kentucky Department for Public Health's (DPH) Preparedness Branch, and leading ESF #8 agencies, will participate in a National Level Exercise (NLE) at the State Emergency Operations Center (SEOC) beginning May 29th. This NLE, titled "Shaken Fury 2019" will simulate the response and recovery to a 7.7 magnitude earthquake scenario near the New Madrid Seismic Zone (NMSZ). This exercise contains limited field play and will be conducted over a 10-day period from May 29th to June 7th, 2019 (primary days of play for ESF #8 are 5/29, 5/30, 5/31). The exercise will help prepare DPH staff and key ESF #8 partners for the myriad of challenges we are likely to face during response and recovery from a major earthquake in the New Madrid Seismic Zone. Participating in this exercise will enable us to test the implementation of plans, procedures and protocols and fine-tune internal and external coordination with ESF #8 Support Agencies. The lessons learned and information gathered during this exercise will aid DPH in the revision of an operational earthquake response playbook for the NMSZ. Exercise play will be on the following dates.

Real World - Not part of the drill

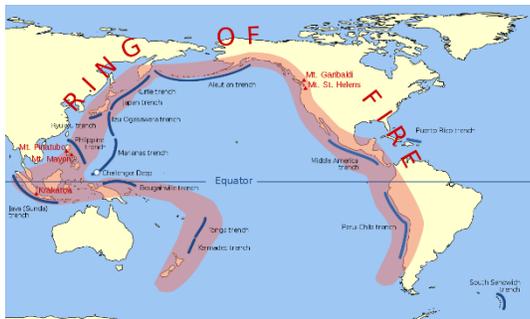
Tectonic Time Bomb: Recent Burst of Seismic Activity Has Scientists Taking Notice

(CBS-13 California) A recent burst of seismic activity along the West Coast has scientists taking notice. They believe these small tremors could potentially be a precursor to something larger.

Over the last few weeks, these small tremors have been reported along the coast of northern California, up to Washington. Scientists said it's due to the phenomenon called "slow-slip," and it's happening north of us out in the Pacific.

"The Juan de Fuca plate, is what it's called, is sliding under North America, and sometimes it's locked, and sometimes it slips. But when it slips, it's building up stress elsewhere on the fault," said UC Davis Professor Jim McClain, who teaches Geophysics.

When that kind of stress builds up and is released, it can lead to so-called megaquakes, like the one that rocked Japan and caused a massive tsunami in 2011. McClain, says slow-slip is somewhat new and not completely understood, but could be a precursor to larger seismic activity.



Watch and learn more:

<https://sacramento.cbslocal.com/2019/05/23/tectonic-time-bomb-seismic-activity/>

**What is the Quakebot and how does it work?
Something to consider for New Madrid watchers??**

Learn more: <https://news360.com/article/497549850>

**Is there really an earthquake threat?
Click here to see the earthquakes 4.0+
in the last seven days**

<https://www.642weather.com/weather/earthquakes-world.php>

Norton Children's Hospital unveils new emergency helicopter

(WHAS) The Airbus EC145 will transport critically-ill patients from communities throughout Kentuckiana to Norton Children's Hospital. It's expected to make up to 300 runs a year.

Learn more: <https://www.whas11.com/article/news/health/norton-childrens-hospital-unveils-new-emergency-helicopter/417-b45cd823-40f1-4271-a2f1-eb8ff333fc1>

Meeting Healthcare Supply Chain Needs at All Times

(From Domestic Preparedness Journal) The healthcare industry has numerous supply chain challenges as it strives to meet patient and facility needs during routine operations as well as during small- and large-surge events. The current process has gaps that need to be filled. However, there is a possible solution.

For starters, the Centers for Disease Control and Prevention (CDC) published a "Supply Chain Disaster Preparedness Manual" aimed at advising healthcare organizations (and other enterprises) on how to prepare for disasters. U.S. Department of Homeland Security's Federal Emergency Management Agency published a booklet entitled, "Supply Chain Resilience Guide." However, neither publication adequately discusses "The Industrial Base" for the supply chain, and how industry and the supply chain are affected by large spikes in demand for products, such as those that occur during a disaster.

Full story and more: <https://www.domesticpreparedness.com/journals/may-2019/>

Johns Hopkins: Health Security Headlines Extracts from May 29, 2019

WHO Experts Say Violence Preventing End of Ebola Outbreak (CIDRAP) Today experts from the World Health Organization (WHO) said the ongoing Ebola outbreak in the Democratic Republic of the Congo (DRC) is being fueled by violent security incidents. [Go to article](#)

US Measles Total Climbs By 60 to Reach 940 Cases (CIDRAP) The nation's number of measles cases continues to climb steadily, with 60 more cases reported over the last week, raising this year's total to 940 cases, the US Centers for Disease Control and Prevention (CDC) said in its weekly update yesterday. [Go to article](#)

On the front-line:

Hepatitis-A and your Emergency Department

Since early 2017, there have been multiple state outbreaks of hepatitis A occurring. Kentucky has had more than 4,600 cases since August 2017. Recently, case counts have begun to decrease; however, it is imperative that we continue efforts to reduce the spread of the disease. Emergency Departments often have the best chance at reaching the at-risk population for assessment, education, and prevention of the disease.

The following resources, which can be found on the Centers for Disease Control (CDC) website, may be useful in educating the public and encouraging vaccination. Emergency Departments and clinics

are encouraged to place information packets and hang posters in their departments so that our at-risk population has access to the information.

- <https://www.cdc.gov/hepatitis/outbreaks/pdfs/Poster-HepAOutbreaks.pdf>
- <https://www.cdc.gov/hepatitis/outbreaks/pdfs/Poster-HepAOutbreakHighRiskAudiences.pdf>
- <https://www.cdc.gov/hepatitis/outbreaks/pdfs/Poster-HepAOutbreakRedVirusPWID.pdf>
- <https://www.cdc.gov/hepatitis/outbreaks/pdfs/Poster-HepAOutbreakMSM.pdf>
- <https://www.cdc.gov/hepatitis/outbreaks/pdfs/Poster-HepAOutbreakRedBlackHomeless.pdf>
- <https://www.cdc.gov/hepatitis/hav/havfaq.htm>

In addition, the Kentucky Department for Public Health has outbreak information relevant to our state, as well as guidance documents and toolkits, available on our website.

<https://chfs.ky.gov/agencies/dph/dehp/idb/Pages/hepAoutbreak.aspx>

From the National Weather Service's "Weather Ready Nation" Program
Share safety information on extreme heat and the dangers of hot vehicles

Tragically, there have been several child deaths due to hot vehicles. Hot vehicle deaths are 100% preventable. It is **NEVER** safe to leave a toddler, disabled person or pet locked in a car, even in the winter. If you have a toddler in your household, lock your cars, even in your own driveway. Kids play in cars and can get locked in. Already 9 toddlers have died in hot cars in 2019! Cars can heat up quickly when left in the sun. [Find out more.](#)



North American summers are hot. Sometimes spring and fall temperatures reach dangerous levels as well. Most summers see heat waves in one or more parts of the United States. Heat is one of the leading weather-related killers in the United States, resulting in hundreds of fatalities each year and even more heat-related illnesses. In addition to the resources below, OSHA offers a

free [OSHA Heat Safety App](#) for both Android and iPhone.

This website is designed to inform you about the [health dangers of heat](#), prepare you for excessive heat events, and tell you what to do [during an excessive heat wave](#). You will find vital information about the dangers of [leaving children, pets or anyone with limited mobility alone in a car even for a few minutes in what might seem like mild weather](#). Children locked in cars have died in December and in 70 degree weather, even with a window left open a little. You also will find information about protecting yourself from excessive heat, [educational materials](#) and specifics on how the National Weather Service keeps you aware of potentially dangerous situations. NWS tries make learning fun with [games and activities to help educate your children](#) about the dangers of heat and provide you with links for more information. [Spanish language outreach materials are also available.](#)

Learn from real life [heat victims](#). You can also see our [heat safety videos](#). If you, or someone you know, have been a victim of excessive heat, please [share your story](#) so we can prevent others from becoming a heat victim. When you write, please note that NWS has permission to use your story and, if possible, let us know the town and state you were in and the year the event took place.

Take advantage of the NWS heat safety content at <https://www.weather.gov/safety/heat>

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.