Kentucky Hospital Research & Education Foundation
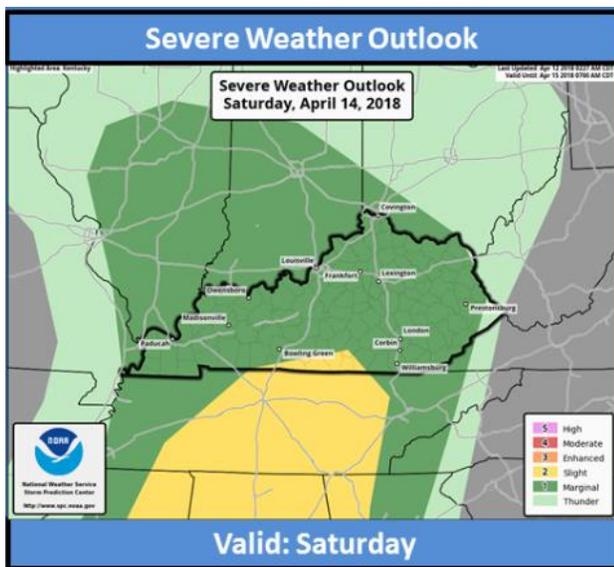## Emergency Preparedness Update
for April 12, 2018

Gov. Bevin Receives Notification of Presidential Disaster Declaration for Eastern Kentucky Counties Impacted by Flooding

(From a Press Release - Governor's Office) **FRANKFORT, Ky. (April 12, 2018)** – Governor Matt Bevin today received notification that President Donald Trump has authorized assistance for certain Kentucky counties that suffered significant damage as a result of the severe flooding event from Feb. 9 through Feb. 14.

The President's action grants public assistance to the 22 impacted counties to repair roads, bridges and other infrastructure. The declaration will also provide the Commonwealth with mitigation funds.

Counties included in this declaration include Bell, Breathitt, Clay, Estill, Floyd, Harlan, Johnson, Knott, Knox, Lawrence, Lee, Leslie, Letcher, Magoffin, Martin, Metcalfe, Owsley, Perry, Pike, Powell, Whitley and Wolfe.

Additional information about KYEM and FEMA's Public Assistance program can be found at http://kyem.ky.gov/recovery/Pages/Public-Assistance-Program-Overview.aspx.

Severe Weather Outlook
Severe Weather Outlook
Saturday, April 14, 2018
Valid: Saturday

NWS Louisville: Hazardous weather outlook is for portions of Central Kentucky. (Friday through Wednesday) Southwest winds will be sustained 10-20 mph with gusts 30-35 mph at times. Some locally higher gusts near 40 mph will be possible during the afternoon hours. Minimum relative humidity of 30-35 percent and dry conditions will result in an ==*elevated risk of fire weather concerns*==, especially along and east of I-65.

Thunderstorms will be possible Saturday and Saturday night ahead of an approaching cold front. Some of these storms Saturday late afternoon and evening could be strong with gusty winds and heavy rainfall.

NWS Jackson: (Friday through Wednesday) Brisk winds and low relative humidity will result in an ==*elevated threat for wildfires*== during the afternoon and early evening hours on Friday. Thunderstorms are possible Saturday into Sunday morning. Frost and sub-freezing temperatures will be possible Tuesday morning.

Men's risk of sexually spreading Zika virus dissipates after first month

(Reuters) Zika, the mosquito-borne virus that can cause birth defects in unborn babies, can also be spread to a woman through sexual contact. But a new study suggests the risk may be limited to the first few weeks after symptoms appear in her male partner.
Read more: https://www.reuters.com/article/us-health-zika-semen-transmission/mens-risk-of-sexually-spreading-zika-virus-dissipates-after-first-month-idUSKBN1HI37R

Norton Healthcare introduces new therapy dog program

(Fox 4) Holly and Rosa are the newest members of the Heel Dog, Heal program.
See video report: http://www.wdrb.com/clip/14259992/norton-healthcare-introduces-new-therapy-dog-program

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Extracts from Global Biodefense News for April 12, 2018
Experts report new class of synthetic antibiotics that kills MRSA in mice
CDC documents hundreds of cases of 'unusual' bacterial resistance in US

John Hopkins: Health Security Headlines
Extracts from April 12, 2018

Despite High Hopes for Polio Eradication, Discouraging News Is Piling up (*STAT*) Every year for the past few years, supporters of the global effort to wipe out polio have made an optimistic declaration: This could be the year that polio ends. And this year, the 30th anniversary of the launch of the ambitious program, was no exception. But just three months into 2018, the projection is less rosy. *Go to article*

The Public Doesn't Take Flu Seriously Enough (*Scientific American*) As the nation experiences one of the worst flu seasons in years, thousands of Americans have already died from influenza or pneumonia (the viruses can work in tandem), according to the US Centers for Disease Control and Prevention. Though the season peaked in February, the CDC recently warned that we should prepare for a second wave of cases to hit before we emerge from the season entirely. Now, it appears more than 50,000 could die from the flu before the season ends. *Go to article*

The Race to Find the Next Pandemic - Before It Finds Us (*Wired*) In the past, researchers typically discovered new deadly viruses when they overwhelmed the healthcare system. A new initiative is trying to do things differently. *Go to article*

Recalls Injectable Pain Relievers

(AHA Today) Premier Pharmacy Labs has voluntarily recalled several lots of injectable drug products, primarily opioid pain relievers, due to possible microbial contamination, the Food and Drug Administration announced yesterday. Hospitals and other health care facilities should stop using and return any recalled products to the company as described in a certified letter sent to all affected customers. Any adverse reactions or quality problems experienced with the products may be reported to the FDA's MedWatch program.

Cybersecurity and the healthcare sector

(From InfoGram) Healthcare continues to be a target for cyber criminals intent on stealing digital data to sell or holding information ransom for money. Many locations struggle to keep up with the evolving threat, making for an expensive problem overall.

Electronic Health Records (EHR) used by healthcare providers, including EMS, have many pros and cons for providers and patients, but data security remains a critical problem. HealthIT.gov maintains that it is the responsibility of the practice, not the EHR developer, to protect information in the EHR system.

To that end, here are some resources for healthcare and public health (HPH) information security:

- The National Health Information Sharing and Analysis Center (NH-ISAC) provides cybersecurity information to their members and more limited information to non-members, including webinars, a monthly newsletter and vulnerability alerts.
- The Multi State Information Sharing and Analysis Center (MS-ISAC) is part of the Center for Internet Security. It provides information on best practices, tools and timely cybersecurity threat information.
- United States Computer Emergency Readiness Team (US-CERT) responds to reported cyber incidents and analyzing threats. Those interested can subscribe to receive timely information about security threats and topics.
- The monthly HIMSS Healthcare and Cross-Sector Cybersecurity Reports provide valuable information on threats, vulnerabilities, mitigation information, reports, and resources.

Power Outage Due to Damaged Power Lines - Northern Puerto Rico

(NICC-HSIN) 12 Apr 18 (Update 01): At 1340 EDT on 12 Apr, the Infrastructure Protection / Protective Security Advisor for Puerto Rico and the U.S. Virgin Islands reported a major loss of power for northern Puerto Rico. As of 1710 EDT PSA reported the power line had been re-energized with only five percent of customers without power and the Luis Munoz Marin Airport has been fully restored.

This product, and additional resources can be found on the HSIN-Critical Infrastructure (CI) portal at https://hsin.dhs.gov/ci/home/Pages/default.aspx under *Latest Document*s and/or *Recent CI Documents* section of the portal.   (You will need to have a HSIN login.)

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APRIL 13 CRITICAL ISSUES

- 2018-2022 Federal Emergency Management Agency Strategic Plan
  United States. Federal Emergency Management Agency

- Cybersecurity in the Energy Sector: A Comparative Analysis Between Europe and the United States
  French Institute of International Relations (IFRI)

- Making It Safer: A Study of Law Enforcement Fatalities Between 2010-2016
  United States. Department of Justice. Office of Community Oriented Policing Services

- Mass Attacks in Public Spaces - 2017
  United States. Secret Service. National Threat Assessment Center

- Understanding Federal Cybersecurity
  Belfer Center for Science and International Affairs