



## Kentucky Hospital Research & Education Foundation Emergency Preparedness Update for May 16, 2018

### **Ebola vaccine arrives in DRC; campaign to begin within days**

(CIDRAP) The first 4,000 units of VSV-EBOV vaccine, the Ebola virus vaccine, landed in the Democratic Congo of the Republic (DRC) today. Reuters reports that officials announced that vaccination will begin this weekend.

The Merck-produced unlicensed vaccine will be used to squelch an Ebola virus outbreak currently ongoing in three health zones of the DRC. Health officials will use a ring vaccination strategy, giving the vaccine to close contacts of patients first.

Full story: <http://www.cidrap.umn.edu/news-perspective/2018/05/ebola-vaccine-arrives-drc-campaign-begin-within-days>

### **Another School Shooting - During Graduation Practice**

#### **Possible massacre avoided at Illinois High School thanks to quick-thinking officer**

(WQAD) A 19-year-old male former student of Dixon High School was shot and wounded by a school resource officer around 8 a.m. on Wednesday morning after exchanging gunfire with him, according to Dixon City Manager Danny Langloss. The suspect, [identified as Matt Milby by Sauk Valley Media](#), is in police custody with a non-life threatening gunshot wound to the shoulder by the resource officer, who is being identified as Mark Dallas by student witnesses.

Dixon Police say that Milby fired several shots near the school gym, where seniors were gathered for a graduation walk-through. He then exited the building and began to run. He shot at Officer Dallas as he was confronted. Officer Dallas returned fire and struck Milby in the shoulder. No students or staff were injured in the incident.

Read more: <http://wqad.com/2018/05/16/student-with-gun-shot-by-officer-at-dixon-high-school/>

**Listen to the 911 recording of the shots-fired call [here](#).**

### **FDA Guidance Further Defines 'Facility' for Drug Compounding Purposes**

(AHA Today) The Food and Drug Administration Friday issued [final guidance](#) clarifying that an organization may operate both a compounding pharmacy and outsourcing facility at the same address or general location if they are completely segregated by clearly identified boundaries, for example permanent physical barriers such as walls or doors that are locked. If the pharmacy is not completely segregated from the outsourcing facility, FDA would generally consider the pharmacy part of the outsourcing facility and subject to Section 503B of the Federal Food, Drug and Cosmetic Act and current good manufacturing practice, the agency said. Both compounders also should clearly label their drug products as compounded at a pharmacy or outpatient facility, FDA said. The Drug Quality and Security Act of 2013 created the outsourcing facility category.

### **Providers expect Amazon to lower medical supply prices**

(Modern Healthcare) Sixty-two percent of health system executives support Amazon's growing presence in the medical supply sector and nearly the same amount said the company could successfully deliver supplies faster and at a lower price, according to a new survey. [READ MORE](#)

### **Hawaii Residents Scrambling for Masks the Government Says Won't Help Them**

(CNN) As volcanic eruptions spew toxic gas into the air, some residents of Hawaii's Big Island are frantically searching for masks for protection. But the Hawaii Department of Health says "no commercial mask sold in stores" would actually do residents any good. [Go to article](#)

### **Lava Threatens Hawaii Exit Routes and Could Spur More Evacuations**

(CNBC) Lava flowing from giant rips in the earth on the flank of Hawaii's erupting Kilauea volcano threatened highways on Monday, raising the possibility officials may order thousands of more people to evacuate before escape routes are cut off.

Read more: <https://www.cnbc.com/2018/05/15/lava-threatens-hawaii-exit-routes-could-spur-more-evacuations.html>

### **It's Not Just Hawaii: The U.S. Has 169 Volcanoes That Could Erupt**

(NY Times) There are potentially active volcanoes all over the West and Alaska as well as Hawaii, and about 50 are considered high priorities for monitoring. Here is where to find them. [Read the full story](#)

### **Texas hospital created an amputation team in response to construction boom**

(FierceHealthcare) Doctors at a Texas hospital and first responders joined forces to create a trauma team to perform amputations at construction sites. Mark Gamber, M.D., a critical care physician at Medical City Plano, takes FierceHealthcare through the process.

Read story: <https://www.fiercehealthcare.com/hospitals-health-systems/medical-city-plano-launches-pre-hospital-amputation-team> RELATED: [UPMC maps referral regions for emergency care](#)

### **ASPR TRACIE - Healthcare Resource for Long-Term Power Outage:**

#### **Resilient Hospitals Handbook: Strengthening Healthcare and Public Health Resilience in Advance of a Prolonged and Widespread Power Outage**

**Author:** Manto, C., Motzer, Earl, and Terbush, J.

**Date Published:** 2017

**Annotation:** This handbook can help healthcare facility managers and planners increase resilience, plan for extended power outages, and create and store enough power on-site to operate in "isla... [\[Read More\]](#)

**URL:** [https://www.empcenter.org/wp-content/uploads/2017/09/CF\\_Resilient\\_Hospitals\\_Handbook\\_edits-cm\\_Version3b2.pdf](https://www.empcenter.org/wp-content/uploads/2017/09/CF_Resilient_Hospitals_Handbook_edits-cm_Version3b2.pdf) ID: 5609

### **CDC: Provisional Drug Overdose Death Counts**

(AHA Today) An estimated 46,041 Americans died from opioid overdoses between October 2016 and October 2017, a 15% increase from the prior 12-month period, according to [provisional data](#) released today by the Centers for Disease Control and Prevention. Total overdose deaths from opioids, cocaine and psychostimulants rose an estimated 12% to 68,400. The data include national and state-level estimates by drug category.

See CDC data: <https://www.cdc.gov/nchs/nvss/vsrr/drug-overdose-data.htm>

### **New Rapid Rabies Test Could Revolutionize Testing and Treatment**

A new rabies test developed at the Centers for Disease Control and Prevention (CDC) could mean people exposed to potentially rabid animals could forego the weeks-long regimen of shots to prevent the deadly disease. The new test, designed for use in animals, can more easily and precisely diagnose rabies infection, according to a study published today in PLOS One.

Full story: <https://content.govdelivery.com/accounts/USCDC/bulletins/1f086a6>

### **John Hopkins: Health Security Headlines**

Extracts from [May 15, 2018](#) & [May 16, 2018](#)

[FDA to Start Naming Names of Pharma Companies Blocking Cheaper Generics](#) (*arsTechnica*) The FDA plans this week to effectively begin publicly shaming brand-name drug companies that stand in the way of competitors trying to develop cheaper generic drugs. [Go to article](#)

[Scientists Issue Fresh Warning on Next Global Pandemic--Disease X](#) (*The Guardian*) They may not yet know its name but the next pathogen to cause a deadly global pandemic will most likely be a respiratory disease, spread by a virus that is contagious during incubation or when symptoms are only mild, according to researchers at the Johns Hopkins' Center for Health Security, US. [Go to article](#)

[Los Alamos Researchers Map How Ebola, Zika Attack Host Cells](#) (*Homeland Preparedness News*) Researchers at Los Alamos National Laboratory (LANL) recently used computer modeling to map the process by which the Ebola and Zika viruses infiltrate host cells. The researchers, who published their work in the journal *Biomolecules*, aimed to understand the specific structure-function relationship of the Ebola glycoprotein (EBOV GP) and Zika envelope (ZIKA E) proteins, which enable fusion with the host cell. [Go to article](#)

[Subcutaneous Fitbits? These Cows Are Modeling the Tracking Technology of the Future](#) (*MIT Technology Review*) Livestock Labs is getting bio-monitors under cows' skin in hopes of helping farmers spot disease earlier, and it wants to bring its tech to people, too. [Go to article](#)

[Inspectors Confirm 'Likely' Use of Chlorine as Chemical Weapon in Syria in February](#) (*NPR*) Two cylinders that were dropped on the rebel-held Syrian city of Saraqeb in February--sending nearly a dozen people to seek medical help for nausea and other symptoms--had contained chlorine, according to the Organization for the Prohibition of Chemical Weapons. [Go to article](#)

[Puerto Rico Nervously Prepares for Hurricane Season: 'What if Another One Comes?'](#) (*New York Times*) Nearly eight months after Hurricane Maria tore across Puerto Rico and ravaged its frail power grid, the Army Corps of Engineers, which was charged with restoring the island's electricity, will hand off its mission and depart on Friday. Thousands of Puerto Ricans will still be in the dark. On June 1, a new hurricane season will begin. And Puerto Ricans, who are struggling to recover from Maria, fear they will not be ready. [Go to article](#)

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**Hospitals See Growing Numbers Of Kids and Teens at Risk for Suicide**

(NPR - May 16) The number of kids who struggle with thoughts of suicide or who attempt to kill themselves is rising. New research, published Wednesday in *Pediatrics*, finds children ages 5 to 17 visited children's hospitals for suicidal thoughts or attempts about twice as often in 2015 as in 2008. [The study](#) found kids of all ages are affected though increases were greatest for older adolescents.

The findings line up with past data showing a steady increase in teen suicide over the past decade. The Centers for Disease Control and Prevention [reported last year](#) that a drop in adolescent suicide in the 1990s and early 2000s reversed course in 2008, though it has not yet reached peak levels seen in the 1980s. It's not clear what has contributed to the increase, but the study noted the 2008 financial crisis may be one factor.

Read more: <https://www.npr.org/sections/health-shots/2018/05/16/611407972/hospitals-see-growing-numbers-of-kids-and-teens-at-risk-for-suicide>

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**[Army Developing Implantable Sustained-Release Malaria Countermeasure.](#)**

On behalf of WRAIR, the US Army Medical Research Acquisition Activity (USAMRAA) has announced intentions to negotiate on a sole source contract with the Southwest Research Institute for the production of customized subdermal implants with a specific combination of a drug of choice and ethylene-vinyl acetate (EVA) copolymer using the patented technology ProNeura. ([Global Biodefense, 5/13/18](#))

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***New Resource Available:* Select Disaster Health Care Resources in Spanish**

ASPR TRACIE developed a [new webpage](#) with disaster health care resources specifically available in Spanish. It includes resources in the following areas: Chronic Illness, CMS Emergency Preparedness Rule, Disaster Behavioral Health/ Mental Health, General Emergency Management, Pediatrics, and Zika.

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**Highly Infectious Disease Resources**

ASPR TRACIE has updated their [VHF/Ebola Topic Collection](#) with additional resources. See also their [Select Highly Infectious Disease Resource Page](#) which includes links to various helpful and timely resources, such as the [ASPR TRACIE EMS Infectious Disease Playbook](#), [Step Care for Ebola/VHF Patients: Guidance for International Field Hospitals](#), and a [webinar series](#) co-hosted with the National Ebola Training and Education Center.

**Plan now to reduce and prevent healthcare exposure to hazardous drugs**

(Medical News) According to the CDC, nearly eight million U.S. healthcare workers are potentially exposed to hazardous drugs, including pharmacy, lab and nursing personnel, physicians, operating room personnel, environmental services workers and more. This exposure can result in both acute and chronic health effects, depending on the exposure length and toxicity.

Exposure of hazardous drugs can take place in any healthcare setting including hospitals, pharmacies, surgical centers, home health centers, skilled nursing facilities and even veterinary hospitals/clinics.

To provide guidance on reducing and preventing exposure, the United States Pharmacopeial (USP) Convention recently released their newest chapter, *800 Hazardous Drugs – Handling in Healthcare Settings*. The standard applies to all healthcare personnel and facilities where hazardous drugs are handled, compounded, stored and distributed.

Read more: <http://www.medicalnews.md/plan-now-to-reduce-and-prevent-exposure-to-hazardous-drugs/>

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**Kentucky Launches First-of-Its-Kind Apprenticeship Program for Social Services**

(Press Release) Gov. Bevin today announced an innovative new registered apprenticeship pilot program aimed at strengthening social services careers throughout the Commonwealth. One of the first of its kind in the country, this initiative will offer paid apprenticeship opportunities in local Protection and Permanency and Family Support offices within DCBS, part of the Cabinet for Health and Family Services (CHFS). The program will offer apprenticeships to young adults who are interested in pursuing a career in social services but may not have the opportunity to go to college, have never considered secondary education, or are impacted by generational poverty.

The [Labor Cabinet](#) acts as the governing body for registered apprenticeships in Kentucky, and provides technical and consultative services to employers.

Interested Kentucky high school juniors and seniors can contact their guidance counselors to the begin the process of applying for Fall 2018 semester apprenticeships.

For all other interested applicants, please contact Tresa Straw (Tresa.Straw@ky.gov / 502-564-7770, ext. 3367) or visit the following link.

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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 [CLICK HERE](#) (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.