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

KY COVID-19 Numbers
New deaths: 7; Total: 484
News Cases: 191; Total: 11,883
Recovered: (+10) 3,375
Total tests: 302,347 (+14,750)
[Check here later this evening for today's press release: https://governor.ky.gov/news]

You attended a protest during a pandemic. Now what?
There's no way to eliminate risk, but some steps can make it safer.
Learn more from LiveScience:
https://www.livescience.com/george-floyd-protests-coronavirus-safety.html

Related **- Officials need to pre for COVID-19 Cases after Protests**
NationalJournal: Experts say state and local agencies must boost public health efforts to
account for potential increases n cases
Read more: https://www.nationaljournal.com/s/707270?unlock=2LDLEEM6TNGT523S

Coronavirus Hospitalizations Rise Sharply in Several States Following Memorial Day

(*Washington Post*) As the number of new coronavirus cases continues to increase worldwide, and more than a dozen states and Puerto Rico are recording their highest averages of new cases since the pandemic began, hospitalizations in at least nine states have been on the rise since Memorial Day.

In Texas, North and South Carolina, California, Oregon, Arkansas, Mississippi, Utah and Arizona, there are an increasing number of patients under supervised care since the holiday weekend because of coronavirus infections. The spikes generally began in the past couple weeks and in most states are trending higher.

Data from states that are reporting some of their highest seven-day averages of new cases is disproving the notion that the country is seeing such a spike in cases solely because of the continued increase in testing, according to data tracked by The Washington Post.

Many of these states that have experienced an increase in cases have also had an increase in hospitalizations, with a handful of states also nearing bed capacity.

Read full Washington Post story (subscription may be required): https://www.washingtonpost.com/health/2020/06/09/coronavirus-hospitalizations-rising/

Related - **IACP Policy Framework for Improved Community-Police Engagement**
Read more: https://iacp-nimble.informz.net/informzdataservice/onlineversion/ind/
bWFpbGluZ2luc3RhbmNlaWQ9OTM5MTUxNyZzdWJzY3JpYmVyaWQ9MTExNjg0Mzg5Nw==

NHTSA Best Practices for
EMS and Fire Response to Incidents of Civil Unrest
You can view these best practices online or download them as a pdf document from the EMS.gov Preparedness page under "Additional Resources"
Link: https://www.ems.gov/pdf/Fire_and_Emergency_Medical_Services_Response_to_Civil_Unrest.pdf
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The Importance of Proper Death Certification During the COVID-19 Pandemic
(*JAMA*) Accurate death certification related to coronavirus disease 2019 (COVID-19) is vital to understand the extent and progression of the pandemic. Death certificate data can inform the public and policy makers on the progress of the COVID-19 pandemic and provide important information about who is dying, where they are from, and what were their associated medical conditions. The COVID-19 pandemic has highlighted shortcomings that may compromise an accurate count of COVID-19 deaths.
Read more: https://jamanetwork.com/journals/jama/fullarticle/2767262

CDC wants states to count 'probable' coronavirus cases and deaths,
but most aren't doing it
(Washington Post, June 8, 2020 at 3:30 p.m. EDT) Fewer than half the states are following federal recommendations to report probable novel coronavirus cases and deaths, marking what experts say is an unusual break with public health practices that leads to inconsistent data collection and undercounts of the disease's impact.

A Washington Post review found that the states not disclosing probable cases and deaths include some of the largest: California, Florida, North Carolina and New York. That is one reason government officials and public health experts say the virus's true toll is above the U.S. tally as of Sunday of about 1.9 million coronavirus cases and 109,000 deaths — benchmarks that shape policymaking and public opinion on the pandemic.

The failure of many states to document probable coronavirus cases and deaths is "historic in many ways because there are lots of probable case classifications and probables are regularly and normally reported on," said Janet Hamilton, the Council of State and Territorial Epidemiologists (CSTE) executive director. "We are definitely concerned about the undercounting of covid-19 deaths and cases."

CDC spokeswoman Kristen Nordlund said that the agency is working with health departments to improve the flow of data. "In pandemic circumstances, such as with covid-19, collecting complete information on each case is challenging," Nordlund said. "The current case and deaths counts reported to CDC are likely an undercount."

During the H1N1 flu pandemic, states initially counted probable and confirmed cases individually. But about three months into the outbreak, the CDC said those individual counts represented "only a fraction of the true burden" of the disease. The agency stopped collecting individual case reports and instead began publishing estimates based on hospitalizations, symptoms and other data.

The CDC is planning to come up with similar estimates for the coronavirus but has no immediate plans to stop counting individual cases. "CDC is actively working on a model to address and assess the true burden of covid-19 in the U.S.," Nordlund said.

The CSTE recommended reporting probable and confirmed cases and deaths on April 5. The CDC's written response to the recommendations, which was shared with The Post, said the agency "concurs" and that adoption by states is "very important" for covid-19 record-keeping.

Read full Washington Post story (subscription may be required): https://www.washingtonpost.com/investigations/cdc-wants-states-to-count-probable-coronavirus-cases-and-deaths-but-most-arent-doing-it/2020/06/07/4aac9a58-9d0a-11ea-b60c-3be060a4f8e1_story.html

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CDC Report - COVID-19 in Young Adults
SARS-CoV-2 Infections and Serologic Responses
from a Sample of U.S. Navy Service Members — USS Theodore Roosevelt, April 2020
Learn more: https://www.cdc.gov/mmwr/volumes/69/wr/mm6923e4.htm?s_cid=mm6923e4_w
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Johns Hopkins: Health Security Headlines
Extracts from June 10, 2020

'Flying Blind': Doctors Race to Understand what Covid-19 Means for People with HIV (*STAT*) The question of whether HIV makes people more vulnerable to Covid-19 is complicated by the fact that many people with HIV share risk factors with those who are more likely to die of Covid-19, including systematic racism, poor insurance coverage, food insecurity, and unstable housing. "From the very beginning, I've been interested in how health care disparities and psychosocial factors affect HIV outcome in the U.S.," Cachay said. "The same is true for Covid-19."

Red Cross Warns of a 'Staggering' Drop in Blood Supplies (*New York Times*) Several months of social distancing and stay-at-home orders have resulted in fewer people donating blood, according to health care workers, with collection drives at offices, schools and churches canceled en masse. For a while, the drop in donations was not critical because supply and demand fell in tandem as most surgeries were canceled and far fewer people were getting injured in car crashes and other accidents. But now, even as hospitals have resumed elective surgeries and many Americans are venturing out of their homes again, the rate of blood donations has yet to bounce back.

Which Interventions Work Best in a Pandemic? (*Science*) Randomized controlled trials (RCTs) are one of several methods that can be used for this purpose but surprisingly have received little attention in the current pandemic, despite a long history in epidemiology and social science. We describe how RCTs for NPIs can be practically and ethically implemented in a pandemic, how compartmental models from infectious disease epidemiology can be used to minimize measurement requirements, and how to control for spillover effects and harness their benefits.

4 Reasons America Needs a New Coronavirus Crisis Insurance Program Based on Medicare (*USA Today*) As the shortage of testing kits for the novel coronavirus begins to wane in the coming days and weeks, the nation is going to face an even more difficult truth: Our health insurance system is not designed to fund the treatment for this serious threat. We need a public health crisis insurance program to pay for coronavirus diagnosis, treatment and recovery services for everyone in America. And we don't need to start from scratch: We can base it on Medicare.

Single-dose Baloxavir Works as Well as 5 Days of Tamiflu for Flu, Study Finds (*CIDRAP*) A phase 3 trial of Shionogi's baloxavir marboxil (Xofluza) has found that a single dose of the antiviral flu drug was superior to

placebo and similar to oseltamivir (Tamiflu) in shortening the duration of illness in adult and adolescent outpatients at high risk for flu-related complications.

Johnson & Johnson Announces Acceleration of its COVID-19 Vaccine Candidate; Phase 1/2a Clinical Trial to Begin in Second Half of July

Learn more: https://www.jnj.com/johnson-johnson-announces-acceleration-of-its-covid-19-vaccine-candidate-phase-1-2a-clinical-trial-to-begin-in-second-half-of-july

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(Re-running this story since the subject seems to be resurfacing over the past week.)

FDA Reissues EUA - REVISING Info on Respirator Decontamination Reuse

(FDA) In response to public health and safety concerns about the appropriateness of decontaminating certain respirators, the FDA reissued certain emergency use authorizations (EUAs) to specify which respirators are appropriate for decontamination. Based on the FDA's increased understanding of the performance and design of these respirators, *the FDA has decided that certain respirators should not be decontaminated for reuse by health care personnel*. That includes some respirators manufactured in China which may vary in their design and performance. In addition, the FDA is also revising relevant EUAs to no longer authorize decontamination or reuse of respirators that have *exhalation valves.*

Read full FDA News Release: https://www.fda.gov/news-events/press-announcements/coronavirus-covid-19-update-fda-reissues-emergency-use-authorizations-revising-which-types

Reference documents for more information:

✓ Recent Final Medical Device Guidance Documents (June 5, 2020): https://www.fda.gov/medical-devices/guidance-documents-medical-devices-and-radiation-emitting-products/recent-final-medical-device-guidance-documents

✓ Updated EUA for Imported Non-NIOSH Respirators (June 6, 2020): https://www.fda.gov/media/136403/download

✓ Exhibit-1: Authorized Respirators: https://www.fda.gov/media/136731/download

✓ *NIOSH- Approved* Filtering Facepiece Respirators for Use in Health Care Settings (Letter dated March 28, 2020): https://www.fda.gov/media/135763/download

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Related - NIOSH Updates information on Counterfeit Respirators and Misrepresentation of NIOSH Approval

(CDC - June 5) Counterfeit respirators are products that are falsely marketed and sold as being NIOSH-approved and may not be capable of providing appropriate respiratory protection to workers.
When NIOSH becomes aware of counterfeit respirators or those misrepresenting NIOSH approval on the market, we will post them here to alert users, purchasers, and manufacturers.

How to identify a NIOSH-approved respirator:

NIOSH-approved respirators have an approval label on or within the packaging of the respirator (i.e. on the box itself and/or within the users' instructions). Additionally, an abbreviated approval is on the FFR itself. You can verify the approval number on the NIOSH Certified Equipment List (CEL) or the NIOSH Trusted-Source page to determine if the respirator has been approved by NIOSH. NIOSH-approved FFRs will always have one the following designations: N95, N99, N100, R95, R99, R100, P95, P99, P100.

Signs that a respirator may be counterfeit:
- No markings at all on the filtering facepiece respirator
- No approval (TC) number on filtering facepiece respirator or headband
- No NIOSH markings
- NIOSH spelled incorrectly
- Presence of decorative fabric or other decorative add-ons (e.g., sequins)
- Claims for the of approval for children (NIOSH does not approve any type of respiratory protection for children)
- Filtering facepiece respirator has ear loops instead of headbands

Additional CDC Tips for Spotting Counterfeit Respirators Before You Buy (April 21)
https://www.cdc.gov/niosh/npptl/usernotices/AdditionalTips.html

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FDA Authorizes First Next Generation Sequence Test for Diagnosing COVID-19

(FDA - June 10) The U.S. Food and Drug Administration issued an emergency use authorization (EUA) to Illumina, Inc. for the first COVID-19 diagnostic test utilizing next generation sequence technology. The FDA authorized the Illumina COVIDSeq Test for the qualitative detection of SARS-CoV-2 RNA from respiratory specimens collected from individuals suspected of COVID-19 by their healthcare provider. Using next generation sequencing means that the test can generate information about the genomic sequence of the virus present in a sample, which can be also used for research purposes.

Read more: https://www.fda.gov/news-events/press-announcements/coronavirus-covid-19-update-fda-authorizes-first-next-generation-sequence-test-diagnosing-covid-19

CDC Coronavirus What's New?

- Cases in U.S. Wednesday, June 10, 2020
- Frequently Asked Questions about Coronavirus (COVID-19) for Laboratories Wednesday, June 10, 2020
- Using Telehealth to Expand Access to Essential Health Services during the COVID-19 Pandemic Wednesday, June 10, 2020
- Contact Tracing Wednesday, June 10, 2020
- Cruise Ship Crew Member Disembarkations Wednesday, June 10, 2020
- Data Visualization Wednesday, June 10, 2020
- Information for Laboratories Wednesday, June 10, 2020
- How to Wear Cloth Face Coverings Wednesday, June 10, 2020

From DHS Healthcare and Public Health Sector

- FEMA released the latest state-by-state data on the distribution of personal protective equipment (PPE).

- Updated as of June 5, the National Institute for Occupational Safety and Health (NIOSH) continues to update counterfeit respirators and/or respirators misrepresenting NIOSH approval.

- The CDC and ASPR developed five COVID-19 pandemic planning scenarios that are designed to help inform decisions by modelers and public health officials who utilize mathematical modeling.

- COVID-19 Surge is a spreadsheet-based tool that hospital administrators and public health officials can use to estimate the surge in demand for hospital-based services during the COVID-19 pandemic.

Rural Response to COVID-19

- ✓ ASPR TRACIE's Rural Health and COVID-19 discusses strategies for managing some of the challenges faced by rural areas specific to COVID-19. The challenges are grouped into two main categories: those specific to healthcare facilities, and those related to at-risk populations who reside in rural areas.
- ✓ ASPR TRACIE Quick Sheet on Rural Health and COVID-19
- ✓ ASPR TRACIE Novel Coronavirus Resources

The Rural Health Information Hub created a Rural Response to COVID-19 webpage.

FEMA Public Assistance

The Public Assistance Program and Policy Guide combines all FEMA public assistance (PA) policy into a single volume and provides an overview of the PA Program implementation process with links to other publications and documents that provide additional process details.

Scientists around the world are already fighting the next pandemic

(MedicalXpress) For many years, people believed antibiotic resistance in bacteria was primarily driven by imprudent use of antibiotics in clinical and veterinary settings. But growing evidence suggests that environmental factors may be of equal or greater importance to the spread of antibiotic resistance, especially in the developing world.

Overall, use of antibiotics, antivirals, and antifungals clearly must be reduced, but in most of the world, improving water, sanitation, and hygiene practice—a practice known as WASH—is also critically important. If we can ensure cleaner water and safer food everywhere, the spread of antibiotic resistant bacteria will be reduced across the environment, including within and between people and animals.

The "superbug problem" will not be solved by more prudent antibiotic use alone. It also requires global improvements in water quality, sanitation, and hygiene. Otherwise, the next pandemic might be worse than COVID-19. Read more: https://medicalxpress.com/news/2020-06-scientists-world-pandemic.html

Related - *CIDRAP*: Higher US flu vaccine coverage linked to lower antibiotic prescribing

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Planning Considerations: Disaster Housing

(Domestic Preparedness Journal) Housing recovery is the cornerstone of a community's recovery and ultimate resilience. By helping survivors achieve sustainable housing after a disaster, state and local leaders move their communities toward stability and resiliency for future incidents. Planning Considerations: Disaster Housing provides guidance on national housing priorities, types of housing, key considerations and housing-specific planning recommendations that jurisdictions can apply when developing or improving housing plans.

Full FEMA report: https://www.fema.gov/media-library-data/1590780128292-1b9354f643dce4e083929be2f2151177/Planning_Considerations_Disaster_Housing_May_2020.pdf

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InfraGard Webinar Series
Securing the Health Sector
Active Shooter at a Clinic in 2012
Friday, June 12, at 1:00 - 2:30 pm ET
Click here to register.
You must register in advance to attend the webinar.
After you register, you'll receive connection details directly from GoToWebinar.

---------- <mark>**Emergency Department: Nursing Recovery and Preparing for a Second Wave**</mark>
Thursday, June 11, at 12:00 - 1:00 pm ET -
Click here for registration
Join presenters to discuss emergency management resources and information that can be utilized to improve effective hospital and emergency department function during the COVID-19 pandemic.

GE Healthcare Webinar
Advanced 3D Model Printing made Simple
Thursday, June 18, 12 Noon ET/11 AM CT

REGISTER NOW

The major challenge in any academic surgical department is how best to train young surgeons to perform hands-on techniques without the learning curve having a negative impact on patients. At the same time, experienced surgeons need access to realistic 3D training models to help them develop their skills and plan complex surgical procedures. To take advantage of new technologies, knowledge and experience are key to success. Our experts will share both.

Join the webinar and learn how the Marie Lannelongue Hospital in Paris has collaborated with GE Healthcare to establish a hybrid operating room (OR), using 3D printed models of diseased vasculature to provide surgeons with valuable hands-on experience comparable to that of operating on patients in 'real life'. This groundbreaking program is set to transform training in interventional procedures, increasing efficiency and throughput as students revel in the opportunities provided by this institution.

<mark>**KY Public Health HARM REDUCTION SUMMIT**
Changing to a ZOOM meeting in mid-August.</mark>

Watch for a new "save-the-date" flyer with additional information including who should attend, registration, and continuing education offerings. Address questions to: Jim House   jamesr.house@ky.gov

EARTHEX 2020

- SAVE THE DATE & REGISTER -
EarthEx Webinar Preparedness Events Coming up!

Upcoming Sessions - Registration is Open
EMP Resilience – Hardening and Protection – 11 June – 2 pm EDT
https://attendee.gotowebinar.com/register/4423609463951912463
This webinar is the second on the EMP threat for the EARTH EX 2020 training series. The Electric Infrastructure Security Council is pleased to have Mr. Frank Koza, Energy Sector Coordinator, and Dr. Chris Beck, Chief Scientist for the Council, along with leading members of the EMP Community, Mr. Davidson Scott, PE from EMAG -Associates, Mr. Kevin Poole, Vice President, TRITON Defense Inc., and Eric Easton, PE, Director of Real-Time Operations/High-Voltage Operations, CenterPoint Energy, During this informative webinar the panel will provide an update on some of the latest testing and protection/ hardening techniques for improved resilience in the face of the EMP threat. EMP is one of the most devastating human-made Black Sky threats.

EARTH EX 2020 What If….18 June – 2 pm EDT
https://attendee.gotowebinar.com/register/2056292760017004047
This webinar will provide a complete overview of the 2020 version of EARTH EX. Last year EARTH EX was played in over 40 countries around the world by thousands in the boardroom, Emergency Operating Centers, Breakrooms, and family kitchen tables. If you want to peek behind the curtain and learn about the world's largest resilience-focused exercise and how you can maximize its potential for you, your family, or your organization, this the session for you. EARTH EX is open for play to all sectors, communities, organizations, and individuals. And again, this year, EARTH EX is free. This session will present a final overview of the exercise, outline exciting training opportunities, and align participants for a successful EARTH EX experience. Remember, EARTH EX will be available for play from 1 September to 31 October, and this year you can play multiple times.

Meta Grid Resilience – Minimum Core Requirements for Critical Lifeline Utilities – 24 June– 2 pm EDT
https://attendee.gotowebinar.com/register/152880901991119884
This EARTH EX 2020 training series webinar focuses on the essential resilience elements to ensure the survival or quick restoration of segments of the critical lifeline utilities, including the energy grid, water systems, and other vital components that support modern society. We live in a tightly interconnected world with active threats to our meta-grid infrastructures that underpin our supply chains and the organizations that employ, sustain, and allow us to advance our civilizations. This session will put these issues in focus to help align activities for reaching higher levels of preparedness and resilience.

EARTH EX 2020 - Today's Cyber Threat -
Cascading Consequences and an Active Threat Response - 15 July– 2 pm EDT
https://attendee.gotowebinar.com/register/3703479925498553356
This EARTH EX 2020 training series webinar focuses on the current cyber threat all nations, organizations, and individuals face. Following a discussion of the current state of the danger areas, panel members will present concepts and techniques for consideration to increase organization resilience to ensure the survival or quick restoration of essential information technology elements that underpin and drive critical factors that support modern society.

Incident Management for Non-Emergency Managers and the Private Sector – 22 July – 2 pm EDT
https://attendee.gotowebinar.com/register/535951852620152588
This EARTH EX 2020 training series webinar is for people and organizations that would like to have a better understanding of the critical elements that work for planning and managing the response to an emergency or disaster. This webinar will focus on tried and proven techniques outlined in user-friendly language. This short webinar will lay the groundwork for understanding the phases of dealing with emergencies and will assist organizations in preparing for the EARTH EX 2020 exercise and real-world events.

Initial Facilitator Training Session – 23 July – 2 pm EDT
https://attendee.gotowebinar.com/register/98188994602623500
This EARTH EX 2020 training series webinar is for anyone serving as a facilitator for the EARTH EX 2020 exercise. During this session, panelists will present the exercise design and highlight critical facilitation techniques along with recommendations on how to engage exercise participants, how to set up the event to maximize the opportunity for learning and areas to focus on to improve organizational resilience. This session will be an excellent opportunity to refine exercise plans and gain insights into the events planned as part of the EARTH EX 2020 exercise.

Global Supply Chain Threats – 29 July – 2 pm EDT
https://attendee.gotowebinar.com/register/4248737637317720332
This EARTH EX 2020 training series webinar is an awareness primer for anyone wanting a better understanding of the current global supply chain threats, their causes, and actions that can be planned or taken to increase operational resilience. Our global supply chains provide maximum efficiency but do not necessarily provide high resilience. Panelists will present ideas, concepts, and specific actions that most organizations can put into place.

Global Continuity Issues and Requirements – 12 August – 2 pm EDT
https://attendee.gotowebinar.com/register/5467594655223095309

This EARTH EX 2020 training series webinar will address the significant issues that are driving the need for a comprehensive framework for reaching global continuity and resilience requirements. With the world becoming increasingly interconnected and supported by a meta-grid of networks and resource supply chains, the world requires effective leadership and commitment to solving critical issues. What interconnected areas are most ready for potential solutions and avenues for cross-sector continuity will be discussed and presented. Participants will have an opportunity to provide critical feedback in advance of the EARTH EX 2020 Phase 3 consensus-building session.

Final Facilitator Training Session "How to Play EARTH EX" 20 August – 2 pm EDT
https://attendee.gotowebinar.com/register/2240390588747258381

This webinar is the final EARTH EX 2020 training session for EARTH EX Facilitators. This session will present the new Battle Rhythm Manager interface, outline each Phase of the 2020 exercise, and explore the new Monte Carlo inject engine. Participants will leave with a full understanding of how to implement the EARTH EX 2020 exercise to maximize its potential for their organization. EARTH EX 2020 has three distinct phases, seven functional areas, and over 30 lanes of unique play, in addition to state-of-the-art videos to enhance the exercise experience. This session will provide the best opportunity to customize your experience.

Pre-EEX 2020 – World Status Webinar – 25 August – 2 pm EDT
https://attendee.gotowebinar.com/register/6188874283044496141

This webinar is the final EARTH EX 2020 session before the release of the EARTH EX 2020 exercise. This webinar is a glimpse at the state of the world, setting the environment and conditions for the exercise. "*We live in a highly complex, tightly interconnected world; What if.......*" This session begins to position exercise participants for the exercise environment. Humanmade threats and hazards capable of disrupting the meta-grid of systems and critical lifeline infrastructures capable of producing a major Black Sky event. Participants will learn why it is a personal and professional responsibility to strive to meet higher preparedness and resilience goals now, while we still have time.

EARTH EX 2019
System Administrator Team
To register for EARTHEX or any of the EIS Council exercise opportunities,
go to https://www.eiscouncil.org/EarthEx.aspx