



# Kentucky Hospital Research & Education Foundation Emergency Preparedness Update for November 17, 2020

**Over 1-million kids have been diagnosed with COVID  
Nearly 112,000 *this week!***

[Over 1 million U.S. children](#) have been diagnosed with COVID-19, leading to 6,337 hospitalizations and 133 deaths, according to a report from the American Academy of Pediatrics. The American Academy of Pediatrics and the Children’s Hospital Association are collaborating to collect and share all publicly available data from states on child COVID-19 cases (definition of “child” case is based on varying age ranges reported across states; see report Appendix for details and links to all data sources).

As of November 12th, over 1 million children have tested positive for COVID-19 since the onset of the pandemic. The age distribution of reported COVID-19 cases was provided on the health department websites of 49 states, New York City, the District of Columbia, Puerto Rico, and Guam. Children represented 11.5% of all cases in states reporting cases by age.

The number of new child COVID-19 cases reported this week, nearly 112,000, is by far the highest weekly increase since the pandemic began. At this time, it appears that severe illness due to COVID-19 is rare among children. However, there is an urgent need to collect more data on longer-term impacts on children, including ways the virus may harm the long-term physical health of infected children, as well as its emotional and mental health effects.

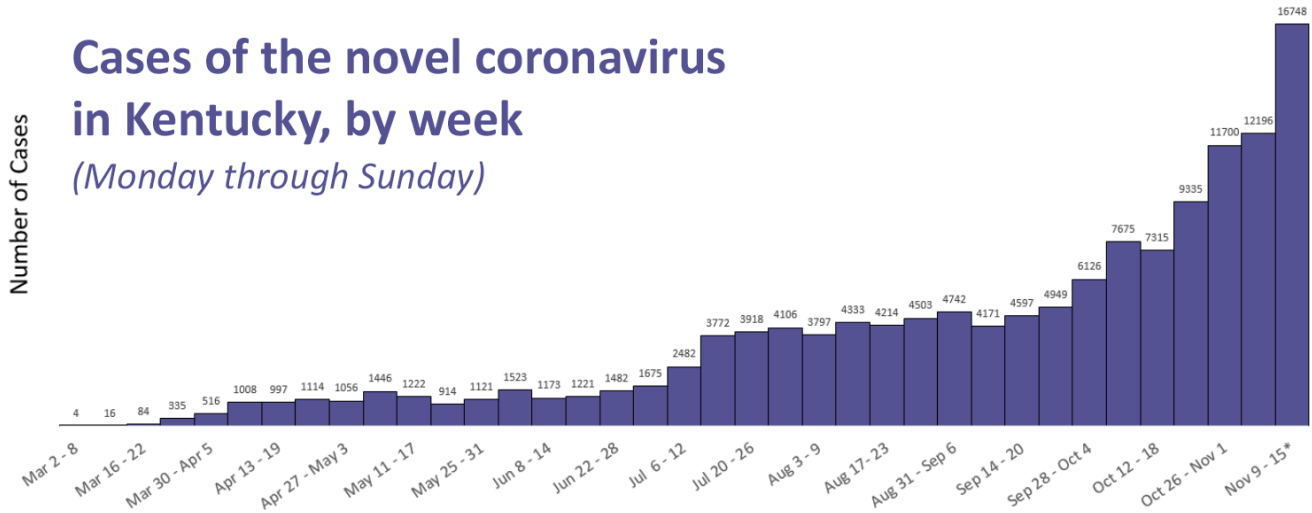
Learn more: <https://services.aap.org/en/pages/2019-novel-coronavirus-covid-19-infections/children-and-covid-19-state-level-data-report/>

**Related** - As of Tuesday at 8:00 a.m. ET, the [unofficial COVID-19 toll in the U.S.](#) reached 11,207,051 cases and 247,229 deaths -- up 168,113 and 1,005, respectively, from this time a day ago.

>>> Read **MedPage Today Roundup**: <https://www.medpagetoday.com/infectiousdisease/covid19/89725>

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**New KY Restrictions May be Coming Wednesday if Growth Continues**

## Cases of the novel coronavirus in Kentucky, by week (Monday through Sunday)



(KY Health News) Gov. Andy Beshear warned Monday that Kentucky is having "exponential growth" in coronavirus cases, and said that if the trend doesn't change by Wednesday, he may impose further restrictions to slow the spread of the virus.

"This thing is going crazy. It's spreading like wildfire," Beshear said in a comment that was included in a pandemic story on the CBS Evening News. He pointed to what he called the "stair-step graph" that shows 16,748 cases last week, 30% higher than the previous week.

That is not exponential growth, but Beshear offered this explanation, saying the graph showed "It took us months to have our first day where we had 1,000 cases. It took a shorter period than that to go from a day with 1,000 cases to 2,000 cases. It took us a week to go from 2,000 cases in a day to 3,000, which happened last week.

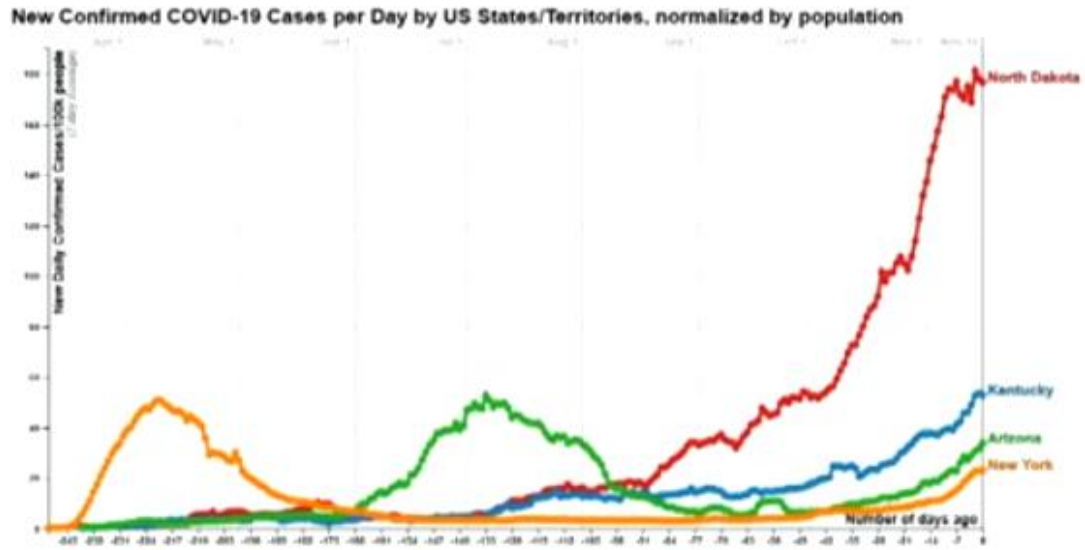
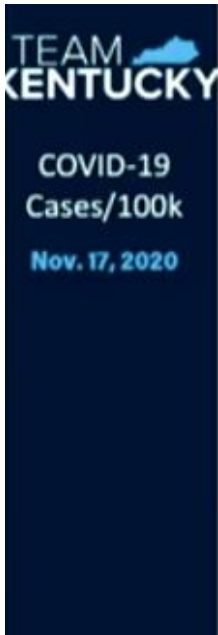
Beshear provided no detail on what those new restrictions might look like, but said they would not be as restrictive as they were in the spring.

Full story: <http://kyhealthnews.blogspot.com/2020/11/beshear-says-ky-has-exponential-growth.html>

Today's KY COVID Update  
"The House is on Fire!"

Governor Andy Beshear started his briefing on Tuesday by quoting the White House Task Force, and noting that COVID-19 is now extremely widespread.

He said, "The House is on Fire, and everyone needs to join the bucket brigade!" This is the third highest day, and the highest Tuesday to date with 2,931 new cases. 325 were children 18 or younger. This brings the total cases to 142,008. There are 1,521 hospitalized with COVID-19, 354 in the ICU, and 178 on ventilators.



[On the chart above, North Dakota is the RED line, while KY is the BLUE line, AZ in GREEN, and NY in ORANGE.]

There is a 9.1% positivity rate. 33 new deaths were reported today, with a total of 1,659 confirmed deaths. See this site for more on the daily statistics: <https://chfs.ky.gov/agencies/dph/covid19/COVID19DailyReport.pdf>

**The Governor indicated that on Wednesday he WILL be announcing some new restrictions.**

The Governor's Press Release will be posted here: <https://governor.ky.gov/news>

**Gov. Beshear Joins Regional Governors to Urge Caution, Safety Ahead of Holiday Season**

To view the video, [click here](#). Press release: <https://kentucky.gov/Pages/Activity-stream.aspx?n=GovernorBeshear&prId=471>

**ZOOM FANS!**

Zoom announced it will lift its timed meeting limit on Thanksgiving so "your family gatherings don't get cut short." The video communications company announced in a tweet that the 40-minute time limit it usually has on its free meetings will be lifted globally on November 26 (Thanksgiving Day).

CNN Story: <https://www.cnn.com/2020/11/17/tech/zoom-time-limit-thanksgiving-trnd-wellness/index.html>

**November 18 Kicks Off  
U.S. Antibiotic Awareness Week (USAAW) 2020**

Johns Hopkins: Health Security Headlines  
Extracts from [November 16](#) & [November 17, 2020](#)

[Associations Between Blood Type and COVID-19 Infection, Intubation, and Death](#) (*Nature Communications*) Here, we use observational healthcare data on 14,112 individuals tested for SARS-CoV-2 with known blood type in the New York Presbyterian (NYP) hospital system to assess the association between ABO and Rh blood types and infection, intubation, and death. We find slightly increased infection prevalence among non-O types.

[Echoes of a Pandemic: Experts Fear Lessons from the 2009 H1N1 Vaccine Drive Are Being Ignored](#) (*Washington Post*) News that a vaccine would be available in record time brought relief to Kelly Moore, director of the Tennessee Immunization Program, and a whole new set of worries: how to build a network of pandemic

vaccine providers from scratch and guarantee equitable access to communities of color and rural spots across the state's 95 counties.

### **Some Places Were Short on Nurses Before the Virus. The Pandemic is Making it Much Worse.**

*(Washington Post)* As the virus stampedes across the country, setting previously unimaginable infection records nearly every day of its third major surge, some hospitals are desperately searching for staffers and paying dearly for it.

**New Report Outlines Diagnostic Measures to Control COVID-19** *(Homeland Preparedness News)* In a report released this week, "Diagnostics for Biodefense: Flying Blind with No Plan to Land," the Bipartisan Commission on Biodefense describes the ways in which these missteps by the U.S. government lead to a public health breakdown. The report also outlines the diagnostics steps that should be taken to combat further spread of the virus.

**It's Now Up to Governors to Slow the Spread** *(WSJ)* The Covid response has been a joint effort, with the federal government working to support states overseeing their own local mitigation efforts. But the White House is changing hands during the most critical point of the pandemic, and it's a particularly important time for leadership from governors, mayors and county administrators. State and local actions, supported by improved treatments, can help build a bridge to vaccinations and more widespread immunity in 2021.

**Hospital-Acquired SARS-CoV-2 Infection Lessons for Public Health** *(JAMA)* Through a detailed epidemiologic study supplemented by phylogenetic analyses, investigators documented how a single unsuspected case of SARS-CoV-2 led to 6 major clusters involving 5 hospital wards and an outside nursing home and dialysis unit, with infection ultimately confirmed among 80 staff members and 39 patients, 15 of whom died.

**The Hot New Covid Tech Is Wearable and Constantly Tracks You** *(New York Times)* The powerful new surveillance systems, wearable devices that continuously monitor users, are the latest high-tech gadgets to emerge in the battle to hinder the coronavirus. Companies and industry analysts say the wearable trackers fill an important gap in pandemic safety. Many employers and colleges have adopted virus screening tools like symptom-checking apps and temperature-scanning cameras. But they are not designed to catch the estimated 40 percent of people with Covid-19 infections who may never develop symptoms like fevers.

**Tracking Infectious Diseases in a Warming World** *(BMJ)* Here we illustrate how "climate-sensitive infectious diseases" (CSIDs) are being used as climate change indicators to help stimulate and inform public health responses to climate change.

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**HHS Pushes FDA to Speed Up EUAs for Some COVID-19 Tests  
If FDA can't meet 2-week LDT review deadline, NCI will step in to help**  
Read more: <https://www.medpagetoday.com/infectiousdisease/covid19/89726>

### **No visitors allowed at Lake Cumberland Regional Hospital beginning TODAY**

Story: <https://www.wyrt.com/2020/11/16/no-visitors-allowed-at-lake-cumberland-regional-hospital-beginning/>

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### **STAT: What we know about the 2 most advanced COVID vaccines**

With strong data on two Covid-19 vaccines, we have more answers about the road ahead — and questions too. The success of a second vaccine against Covid-19 means the world is a big step closer to curbing the coronavirus pandemic.

Moderna, joined by U.S. government scientists, announced Monday that their mRNA vaccine candidate was 94.5% effective in preventing Covid-19, the disease caused by the novel coronavirus, according to an interim analysis of a 30,000-patient clinical trial. The news comes exactly one week after Pfizer and BioNTech said their respective Covid-19 vaccine candidate, also created using mRNA technology, was more than 90% effective in its own 60,000-patient clinical trial.

Here's what we know — and still need to learn — about the two most advanced Covid-19 vaccines and how they might reshape the pandemic that has killed 1.3 million people worldwide and infected at least 54.5 million.

- The Moderna and the Pfizer/BioNTech vaccine candidates are both based on the [same kind of technology](#).
- The clinical trial conducted by Pfizer and BioNTech included the same subpopulations of participants.
- The trials were designed primarily to look at the impact on symptomatic Covid-19. But experts will also want to see if the vaccine candidates can block infections entirely, or if they're just making people less sick.
- If people can still contract SARS-2 after getting vaccinated, are they less infectious to other people?
- Both Moderna and Pfizer have promised to file for emergency use authorizations in the coming weeks.
- As vaccines start to roll out, the supply will be so limited that they'll be used for frontline workers or people more vulnerable to Covid-19.

- Experts believe — and polling data supports — that reluctance to get vaccinated may abate in some quarters if the vaccines work well.

Read the full story to learn lots more: <https://www.statnews.com/2020/11/16/with-strong-data-on-two-covid-19-vaccines-we-have-more-answers-about-the-road-ahead-and-questions-too/>

**Related – Read more about the  
“messenger ribonucleic acid (mRNA)” behind both leading vaccines**  
<https://www.reuters.com/article/health-coronavirus-vaccines-technology-idUSL8N2I23L4>

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### **CIDRAP: Out-of-hospital cardiac arrest survival fell 17% amid COVID-19**

The outcomes of out-of-hospital cardiac arrest (OHCA) were poorer in the United States during the beginning of the COVID-19 pandemic than before—even in counties with low case-fatality rates, according to a study published Nov 14 in JAMA Cardiology.

Led by researchers at Saint Luke's Mid America Heart Institute in Kansas City, Missouri, the study compared rates of sustained return of spontaneous circulation (ROSC)—a measure of restored heart function—and survival until hospital release in the Cardiac Arrest Registry to Enhance Survival from Mar 16 to Apr 30 with those of the same period in 2019.

Rates of ROSC for at least 20 minutes were 18% lower than before the pandemic, falling 11% to 15% even in communities with modest COVID-19 death rates. Rates of survival to hospital release were 17% lower, mostly in counties with medium to high coronavirus death rates, while the incidence of OHCA was higher, but mainly in areas that had high COVID-19 death rates.

In the study period in 2019, 9,440 OHCA's were recorded, compared with 9,863 in 2020. Rates of ROSC were 23.0% in 2020, down from 29.8% in 2019. ROSC rates were 21% lower in 2020 than in 2019 in counties with high COVID-19 case-fatality rates (20.0% vs 27.0%) and lower by 33% in counties with very high coronavirus death rates (17.3% vs 28.8%) when the researchers used an adjusted rate ratio.

But ROSC rates were also lower, by 11%, in 2020 than in 2019 (25.2% vs 29.0%) in counties with very low COVID-19 death rates and lower by 15% (25.4% vs 31.4%) in areas with low death rates.

Survival to hospital release was also lower during the pandemic than in 2019 (6.6% vs 9.8%) in 7,085 patients served by county emergency medical services agencies with complete data, mainly in areas with moderate to very high coronavirus death rates. While the incidence of OHCA was higher in 2020 than in 2019, the rise was seen mostly in areas with high or very high COVID-19 death rates, where OHCA's jumped 52%.

Read more: <https://www.cidrap.umn.edu/news-perspective/2020/11/out-hospital-cardiac-arrest-survival-fell-17-amid-covid-19>

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### **[NACCHO Releases Public Health Priorities for the Biden-Harris Transition Team and 117th Congress](#)**

The National Association of County and City Health Officials, on behalf of the country's nearly 3,000 local health departments, released a transition document providing recommendation to the Biden-Harris Administration and the 117th Congress. The document highlights the key role local health departments play in our nation's health and safety and lays out specific efforts to help the US emerge safely from the COVID-19 pandemic and strengthen the public health system that protects the public in small towns, big cities, and all the communities in between. (NACCHO, 11/16/2020)

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### **[Fund to aid families of health workers killed by COVID-19](#)**

(CIDRAP) The Saint Paul & Minnesota Foundation (SPMF) today announced the creation of the Frontline Families Fund and launch of the [frontlinefamiliesfund.org](http://frontlinefamiliesfund.org) website in partnership with epidemiologist Michael Osterholm, PhD, MPH, director of the Center for Infectious Disease Research and Policy (CIDRAP) at the University of Minnesota and newly appointed member of President-elect Joe Biden's coronavirus task force.

The Frontline Families Fund is designed to support the families of nearly 1,400 US frontline healthcare workers who have lost their lives to COVID-19. Assistance will be provided through direct grants and scholarships for post-secondary education. Created to recognize the contributions and sacrifices of frontline healthcare workers and their families, the fund also seeks to highlight the pandemic's disproportionate burden on black and indigenous Americans and other people of color.

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### **MedPage Today Feature:**

### **Doctors an Easy Mark for Hospital Cyberattackers**

Read more: <https://www.medpagetoday.com/practicemanagement/informationtechnology/89629>

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Center for Personal Protection & Safety Webinar on  
**Challenges with violence prevention and intervention programs  
for a working from home environment**

December 15<sup>th</sup> - 2PM EDT

Topics will include:

- Recognizing concerning behavior in a virtual setting and how to address it, as well as perspectives for managers
- Threat Assessment and Threat Management with virtual employees
- Liability concerns for employers while working from home from a violence prevention and intervention perspective
- Considerations for working from home as a policy

[Register for the Free Webinar](#)

**Alert!**  
**Google's New Policy May Delete Your Account/Content!**  
**Google Photos Service Will No Longer Be Free! Here's All You Need To Know**  
Learn more: <https://news360.com/article/542571453>

**KHSE Educational Advisory - Certification Program for Healthcare Facility Contractors**

**Wednesday, December 16, 2020 | 8:00 am - 1:00 pm EST | Virtual Course - \$150**

**Wednesday, December 16, 2020 | 2:00 - 4:00 p.m. EST | Virtual Exam**

Learn more about our [certification programs](#) or email [info@kshe.org](mailto:info@kshe.org) for questions about the certification program or your certification status. [Register Today](#)

**FEMA Seeks Stakeholder Feedback on the Updated "Comprehensive Preparedness Guide 101"**

FEMA is seeking feedback on the updated "[Comprehensive Preparedness Guide \(CPG\) 101: Developing and Maintaining Emergency Operations Plans.](#)" CPG 101 provides guidelines on developing emergency operations plans and promotes a common understanding of the fundamentals of community-based, risk-informed planning and decision making to help planners examine a threat or hazard and produce integrated, coordinated and synchronized plans.

This draft was recently updated to align with new and updated policies and programs, providing additional tools that operationalizes the document, and maintaining the flexibility and scalability of the document while expanding on the role of [whole community partners](#).

FEMA will host a series of 60-minute webinar sessions to discuss changes to the updated CPG 101 and gather feedback from whole community partners. The sessions will include facilitated discussions with stakeholders to help improve the existing draft. A line numbered version of the CPG 101 is available to allow individuals to provide comments on specific areas within the document. This national engagement period will conclude at 5 p.m. ET on Monday, January 25, 2021.

To review the document, download the comment form and learn more about the webinar sessions, please visit the FEMA website at <http://www.fema.gov/emergency-managers/national-preparedness/plan>.

**FEMA EMI Training**

[1614 - Training Opportunity - K0051 Exercise Program Management](#)

[1616 - Training Opportunity - K0103 Planning Emergency Operations](#)

[1617 - Training Opportunity - K0146 HSEEP Basic Course](#)

**West Virginia ranked fattest state in America**

**...Kentucky, TN, IN and OH aren't far behind!**

(WSAZ & WalletHub) "Fat" is becoming the new normal in America. According to the most recent data from the Centers for Disease Control and Prevention, more than seven in 10 U.S. adults aged 20 and older are either overweight or obese.

WSAZ's story notes that a recent study by WalletHub shows West Virginia is considered the fattest state in America. The study lists Kentucky as fourth, Indiana is 12, and Ohio is at 14. Other findings from the study reveal Kentucky and West Virginia in the top 5 for the highest percent of obese children, highest percent of adults with high cholesterol, and highest percent of adults with high blood pressure. West Virginia also ranks in the top 5 for highest percent of obese adults, however the lowest percent for overweight adults. Meanwhile Kentucky is second in the nation for highest percent of physically inactive adults

Rates are lower for children and adolescents but have risen drastically in the past few decades. So prevalent has America's obesity problem grown that the weight-loss industry continues to expand. The U.S. weight loss



and diet control market is worth at least \$72 billion, and is projected to increase in the coming years. In addition, the U.S. spends nearly \$200 billion in annual health care costs related to obesity. The problem is bigger in some states than in others,

Learn more: <https://www.wyvt.com/2020/11/16/west-virginia-ranked-fattest-state-in-america/>

See the Chart (worse to best) and more: <https://wallethub.com/edu/fattest-states/16585>

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**Global Warming Has Ticks Jumping From Dogs to Humans**

Learn more: <https://news360.com/article/542547661>

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**Hate Crimes: FBI Tally Shows Record Increases**

(NPR) Hate crimes rose to their highest numbers in a decade, with a record-breaking 51 fatal attacks, according to an FBI count released Monday.

The FBI's annual [hate crimes report for 2019](#) shows that the overall increase was slight – not quite 3% - but the offenses were more violent than in previous years. It was also the third consecutive year with more than 7,000 hate crimes reported – a trend not seen since 2008.

"The 2019 increases in hate crime were far more precipitous among the most violent offenses – homicides and assaults; those directed toward certain target groups, like Jews and Latinos; and in some of the nation's largest cities," [concluded a summary](#) by the California-based Center for the Study of Hate and Extremism.

Nearly half of the record number of hate-motivated killings come from a single [domestic terrorism attack](#): a mass shooting that targeted Mexican shoppers at a Walmart in El Paso, Texas. Of the 23 victims, 22 are included in the report for 2019; the last victim died later.

Full story: <https://www.npr.org/2020/11/16/935439777/fbi-report-bias-motivated-killings-at-record-high-amid-nationwide-rise-in-hate-c>

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----- [From IACP News](#) -----

**Experts Say Risky Behavior Behind The Wheel Is On The Rise During Pandemic**

[Scripps](#) (11/16) reports, "Risky behavior behind the wheel is up during the pandemic. One-third of all roadway deaths are speed-related. Impaired driving and accidents with ejection are also up – meaning drivers and passengers aren't wearing their seatbelts. 'That just defies logic to me,' said Pam Fischer of the Governors Highway Safety Association. 'You know, when you talk to people – "Oh yeah. everybody wears seatbelts." But when we look at the fatalities that are happening on our roadways, we know that half of the people who die in motor vehicle crashes are not properly restrained.'" Scripps adds, "Impaired driving is also up, according to the National Highway Traffic Safety Administration."

**Poll Finds More Americans Say US Not Tough Enough On Crime**

The [New York Post](#) (11/16, Campanile) reports, "Twice as many Americans say the justice system is 'not tough enough' on crime rather than 'too tough' – but the gap has narrowed considerably, a new survey released Monday reveals." The Gallup Poll "found that 41 percent of respondents said the criminal justice system is not tough enough compared to 21 percent who said it's too tough. The remaining 35 percent said the justice system was 'about right' in addressing crime." The Post adds, "The results are a far cry from a generation ago, when violent crime was a more pressing issue. In 1992, 83 percent of Americans said the justice system wasn't tough enough on crime. In 2000, 70 percent of respondents said the system wasn't tough enough."

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**Kentucky State Police doing "Click It or Ticket" campaign to Nov 29th**

Read more: <https://www.wyvt.com/2020/11/16/kentucky-state-police-begin-click-it-or-ticket-campaign/>

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](mailto: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.