



## Trump calls for rural internet expansion at Kirkwood Community College

**Strong and flexible broadband needed for rural America.**

President Donald Trump said Wednesday he will push for increased rural internet access in his proposed \$1 trillion infrastructure plan.

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## FirstNet launches portal, delivers state plans for public safety network

**FirstNet = Strong broadband**

State officials have their first clear look at the future of public safety communications, but many of the details — including pricing — remain shielded from the public.

## The neverending cybersecurity arms race

**Businesses increased their budgets 18%; but data breaches increased 40%.**

Nobody questions whether cybersecurity's relevance has skyrocketed in recent years. The frequency of attacks and the amount of damage attacks can inflict have both risen exponentially. Across all industries, big and small companies are scattering for solutions to protect their highly sensitive information from these new threats.

## Schools tap secret spectrum to beam free internet to students

**Strong broadband internet beyond school walls.**

Whether it's used for homework-assignment web searches, streamed video tutorials, educational apps or collaborative multimedia projects, fast internet at home is rapidly turning into a necessity for America's students. Yet, according to a 2015 report by the Pew Research Center, about five million households with school-aged children are mired in the so-called homework gap, because they can't afford broadband or they live in underserved rural areas.

## HIE provides hospital with vital patient data after ransomware attack

**Sharing clinical information & patient records.**

A health information exchange in Western New York provided critical help after a recent ransomware attack on the Erie County Medical Center in Buffalo, N.Y., which crippled operations at the 602-bed hospital.

## Rural broadband bill cruises through Maine legislature

**To help internet connectivity in one of the slowest states.**

New funding to refresh the state's rural broadband efforts would help improve connectivity in one of the slowest states for internet service.

## Cybersecurity for healthcare a "public health concern," task force says

**Need to secure equipment, patient data.**

A federal task force called healthcare cybersecurity a "public health concern" that needs "immediate and aggressive attention," and said increased digital connectivity places a greater responsibility on healthcare organizations to secure their equipment and patient data.

## **The Future of Classroom Technology: 5 Experts Weigh In**

Five ed-tech experts weigh in on 1-to-1 computing, customized learning, access to technology & connectivity.

## **Senators Testify About Need for U.S. Cybersecurity Repair**

### **Concern about utility companies & the US electrical grid.**

Massachusetts Sen. Markey expressed his concern with security deficiencies in the private sector, particularly in utility companies that power the American electrical grid.

## **Don't Overlook Basics in Cybersecurity Strategies, Officials and Experts Warn**

### **90% of successful attacks originate from phishing.**

Ninety percent of successful cyberattacks originate from phishing. And though phishing is a technologically unsophisticated attack strategy, it remains viable and is enjoying resurgent popularity thanks to its reliance on human behavior, cybersecurity experts told attendees at the Missouri Digital Government Summit\*.

## **The Girl Scouts are adding a cybersecurity badge**

### **Strong partnership with security firm Palo Alto Networks.**

Alongside cooking and camping, Girl Scouts will soon be able to earn a cybersecurity badge. The organization announced this week the first of 18 new badges debuting in the fall of 2018. The Girl Scouts of the USA, founded in 1912, have long received badges when they master certain topics or skills.

## **New Fileless, Code-Injecting Ransomware Bypasses Antivirus**

Security researchers have discovered a new fileless ransomware in the wild, which injects malicious code into a legitimate system process (svchost.exe) on a targeted system and then self-destructs itself in order to evade detection by antivirus.

## **Google Fiber says microtrenching, self-installation will enhance network installation**

Microtrenching, which has been long used in Europe and by utility providers, allows Google Fiber and other providers to carve shallow grooves in the ground to deploy fiber. Google Fiber is looking at self-installation methods that could reduce the time a technician spends at a customer's home.

## **Mobile broadband subscriptions are projected to double in five years**

### **55% of mobile subscriptions are for smartphones.**

The number of mobile broadband subscriptions is expected to double in 2022 to 8.3 billion globally. That's up from 4.6 billion in Q1 2017. Mobile broadband subscriptions — which include subscriptions for smartphones as well as tablets and other devices — grew 25 percent year over year, according to a new report by telecommunications equipment company Ericsson.

## **Waverly hospital's computers hacked by 'ransomware'**

### **With encryption, the hacker did not have access to patient info.**

Hackers hit the Waverly Health Center Wednesday night. Hospital computers began showing signs of irregularities about 5:00 p.m.

## **American Hispanics are still less likely to access the internet**

### **Caused by socio-economic factors, education.**

In 2017, less than 80 percent of Hispanics in the U.S. will access the internet at least once a month from any device compared with 85 percent of whites, thanks to socio-economic factors, as well as education. In general, the less educated and economically advantaged a person is, the less likely they are to use the internet, according to eMarketer.

## **North America, Asia Pacific tipped to lead 5G adoption, according to new report**

### **Adoption of super-fast 5G technology.**

North America and Asia Pacific are expected to lead the adoption of the super-fast, next-generation 5G mobile internet technology, according to a new report, but widespread use may need a big catalyst.

## **Telemedicine may be as effective as in-person visit for treatment of headache**

### **Strong broadband for healthcare.**

For people with headache, seeing the neurologist by video for treatment may be as effective as an in-person visit, according to a study published in the June 14, 2017, online issue of *Neurology*, the medical journal of the American Academy of Neurology.