



# H-ISAC™

## HEALTH - ISAC



### Remember the Alamo...in Cyberspace!

Perspective is everything – In 1836, the 13-day siege of the Alamo was a glorious victory for the Mexican Army under the leadership of Santa Anna - from a Mexican viewpoint. His army brought resources to bear that could not be matched by the meager forces holding on.

To avoid an Alamo-like failure of our infrastructure, an accurate portrayal of a cyber threat actor’s motivations, tactics, techniques, and procedures are necessary.

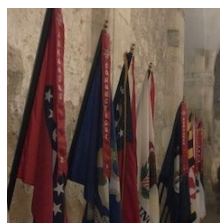
Analogous to this battle are the potential resources employed by cyber-criminals and nation-states in attacks on healthcare critical infrastructure. Their goals are to achieve either financial gain or do harm. While we see them as bad actors, they may see themselves in a different light.

In a resemblance to our firewalls and layered defenses, Colonel Travis held overwhelming forces at bay during two attacks...and like many network breaches, could not sustain the third. The first two attempts were thwarted in part because of others joining the defenders in solidarity. Of striking concern was that Travis made assumptions on Intel with some defensive decisions that assuredly resulted in tactical failure. To avoid an Alamo-like failure of our infrastructure, an accurate portrayal of a cyber threat actor’s motivations, tactics, techniques, and procedures are necessary.

Though an absolute tactical disaster, the battle for the Alamo was indeed a strategic victory in that awareness was heightened in a rush to defend Texas. In a similar manner, cyber-attacks by powerful adversaries have shown that we need to gather our forces by sharing best practices and cyber threat information in further protecting healthcare critical infrastructure. We will surely lose tactical battles in future attacks. However, it was inspiring to see membership at the Fall Summit taking up arms to protect – **“Never stand alone”**

Edward Brennan – H-ISAC Senior Risk Analyst

Photos are from the H-ISAC Fall “Never Stand Alone” Summit Alamo event in San Antonio, Texas



### Top 10 Health Related Cyber Events for December:

[Apache Struts Warns Users of Two-Year-Old Vulnerability](#)

[4.4M Records Exposed in 117 Health Data Breaches in Q3 2018](#)

[Cisco Removed Its Seventh Backdoor Account This Year](#)

[SSNs, Tax Data Exposed in Healthcare.gov Health Data Breach](#)

[Zero-day Windows exploit fix stars in November Patch Tuesday](#)

[Adobe Flash Player Update Released for Remote Code Execution Vulnerability](#)

[USPS, Amazon Data Leaks Showcase API Weaknesses](#)

[CMS, ONC unveil new strategy to reduce burdens in EHRs](#)

[AWS Security Hub Aggregates Alerts From Third-Party Tools](#)

[Marriott says breach of Starwood guest database compromised info of up to 500 million](#)

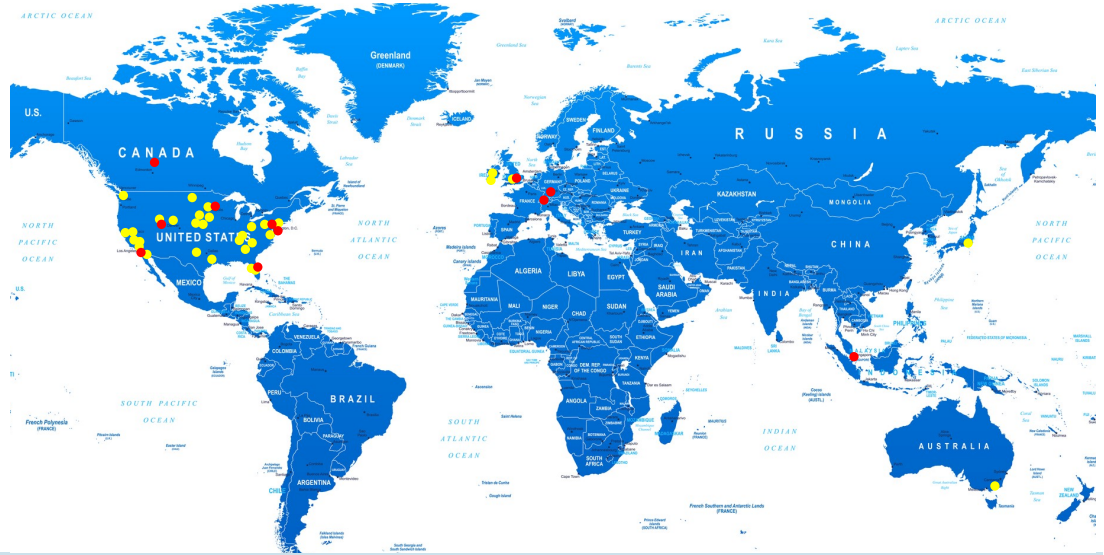
H-ISAC is pleased to publish a monthly member newsletter. It is designed to bring events and other important ISAC information to your attention. If there is something you would like to see included please email: [contact@h-isac.org](mailto:contact@h-isac.org)



# WHERE IN THE WORLD IS HEALTH-ISAC?

A map of H-ISAC Workshops, Talks and Partnered Events

- 2018 ●
- 2019 ●



**2018:** United Kingdom, Australia, Japan, Ireland. In the United States: Alabama, Massachusetts, Utah, California, Minnesota, Texas, Kansas, Delaware, Tennessee, Georgia, Florida, Maryland, Missouri, Illinois, Virginia, North Dakota.

**2019:** United Kingdom, Germany, Switzerland, Malaysia, Canada. U.S. workshops include Florida, Alabama, Minnesota, Maryland, California, New York, and Utah. More are currently in development.

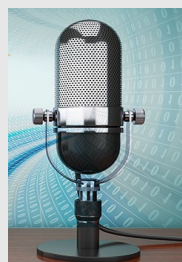
H-ISAC provides a variety of educational workshops for the HPH throughout the globe. Topics center around cybersecurity best practices and situational preparedness for different scenarios that can affect our sector, including blended threats. Some workshops are focused toward sharing best security practices for specific audiences such as Medical Device Manufacturers, Payers, Industrial Control Systems or Bio / Pharma. Other workshops have a specific security focus, such as Incident Response or Business Email Compromise. Thank you to all of our partners and the members who hosted a workshop this year and to those hosting for 2019. If you are interested in hosting a workshop at your facility, please notify us at [contact@h-isac.org](mailto:contact@h-isac.org).

## Fall Summit Photo Highlights

**Note:** Longhorn steer selfies from the Hill Country Cookout are coming soon to the Member Portal for complimentary download. Other Fall Summit attendee and speaker photos will soon be available in the Member Portal as well <https://h-isac.org/portal/>.



**Routhy Award** — H-ISAC extended a special thanks to outgoing Chair of the Board, Jim Routh, for his years of guidance during the formation and growth of H-ISAC. Mr. Routh was presented with the first, and soon-to-be-coveted Routhy service award.



**H-ISAC Radio was LIVE at the Fall Summit**  
Next discussion is January 21

Find the podcast from the November discussion on Identity Access and Management and Portable Identity in the H-ISAC Member Portal at <https://h-isac.org/portal/>

## Upcoming Events:

**MEDICAL DEVICE SECURITY 101**  
January 21 – 22, 2019

hosted by the  
**Archimedes Center for Medical Device Security**  
convenes at *Disney's Boardwalk Inn Resort*  
in Lake Buena Vista, Florida.

The two-day training conference brings instructors from Mayo Clinic and BioMerieux and includes *Anatomy of a Ransomware Attack* Panel featuring H-ISAC's Sr. Risk Analyst Ed Brennan.

Find these events and more at <https://h-isac.org/events>