

CONNECTING

for patient safety and healthcare ecosystem resilience



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ABOUT ISACs

Information Sharing and Analysis Centers (ISACs) are non-profit, mainly private sector, member-driven organizations specific to the critical infrastructure sectors and subsectors. ISACs, established in 1998, help critical infrastructure owners and operators protect their facilities, personnel and customers from cyber and physical security threats and other hazards. This is accomplished by collecting, analyzing, and disseminating timely actionable threat information to their members and providing members with tools to mitigate risks and enhance resiliency. ISACs have broad reach within their sectors, communicating critical information far and wide to maintain sector-wide situational awareness, and collaborate with each other through the National Council of ISACs .

ABOUT HEALTH-ISAC

Health-ISAC — a non-profit, private sector, member-driven organization — plays an essential role in providing situational awareness around cyber and physical security threats to the Healthcare Sector so that companies can detect, mitigate, and respond to ensure operational resilience. Health-ISAC connects thousands of healthcare security professionals worldwide to share peer insights, real-time alerts, and best practices in a trusted, collaborative environment. As the go-to source for timely, actionable, and relevant information, Health-ISAC is a force-multiplier that enables healthcare organizations of all sizes to enhance situation awareness, develop effective mitigation strategies and proactively defend against threats every single day.

ABOUT HEALTH-ISAC'S MEMBERS

Health-ISAC membership connects a diverse body of Healthcare Sector organizations to form one community focused on improving health and saving lives. We are better together!

Globally, Health-ISAC Members include:

Academic Medical Centers	Medical Device Manufacturers	Pharmaceutical
Electronic Health Record System Providers	Medical Group Purchasing Organizations	Manufacturers
Health Delivery Organizations	Medical Material Manufacturers and Distributors	Pharmacies
Insurance Companies	Medical Research & Development Centers	Radiological Centers
Laboratories		Telehealth Providers

Welcome from the President and CEO



Denise Anderson
President and CEO Health-ISAC

*"Connection makes us better.
Connection makes us strong.
Through connection we are
better and stronger together."*

According to Merriam Webster, 'Connection' is something that joins or connects two or more things for the same cause/goal; a relationship. 'Community' is fellowship with others as the result of sharing common interests and goals; togetherness, team, unity.

I don't think it's a coincidence that the definitions of connection and community refer to common causes and goals. At Health-ISAC what connects us is our common desire to protect each other, which in turn protects the healthcare ecosystem. Ultimately, we unite for the good of the patient.

In medicine, teamwork is a core value and high functioning teams improve patient outcomes. Teams must commit to a common goal, communicate and share resources. They must support and trust each other. This is the basis of what we do and who we are at Health-ISAC.

In our inaugural annual report, you will see how Health-ISAC and the health community connect to meet our unified mission to advance physical and cyber resilience and prepare for threats and vulnerabilities to global healthcare.

A plug is just a plug but when connected to a wall socket, it builds a connection over which energy flows. Likewise when we as individuals and organizations connect, we build a bridge over which we can anticipate, analyze and ideally overcome threats.

Connection makes us better. Connection makes us strong. Through connection we are better and stronger together.

I hope you will enjoy reading about how we connected for success in 2021.

A handwritten signature in black ink that reads "Denise Anderson". The signature is fluid and cursive.

Denise Anderson
President and CEO Health-ISAC

"It has become necessary to develop medicine as a cooperative science; the clinician, the specialist and the laboratory workers uniting for the good of the patient; each assisting in the elucidation of the problem at hand and each dependent upon the other for support."

William J. Mayo in his 1910 commencement address to Rush Medical College

Message from the Board Chair



Brian D. Cincera
Board Chair Health-ISAC

2021 was the second consecutive year where human health dominated the world's consciousness. While the coronavirus has claimed many lives, many more would have been lost if not for the collective and outstanding efforts of the people who make healthcare their mission around the globe. We remain forever indebted.

Over 100 new organizations joined Health-ISAC's trusted sharing community in 2021, adding to the ranks of more than 5,500 security professionals across the globe who share crucial threat and vulnerability information, best practices, and mitigation strategies every day. These connections are invaluable in helping organizations protect and assure the principal healthcare outcomes they are in business to deliver. The work of Health-ISAC has benefitted not just Members like my organization, but the entire health community. When a Member or partner or the Threat Operations Center shares vital information with the community, we all win. I know there have been several 'wins' over the past year.

The alerts, papers, exercises, briefings, webinars, and discussions that took place within the ISAC helped us make sense of the 2021 threats and potential impacts and put into place strategies to protect ourselves. I am so proud to serve as Chair of the Board of Directors of Health-ISAC and to see all the great work performed by everyone in the community.

The Board of Directors is deeply engaged with Health-ISAC leadership to ensure we continue to create valuable connections, deliver world-class member services, and safeguard the organization's future success. Denise and the leadership team have developed a strategic vision and tactical plans as well as invested in the technical tools and talent to meet the strategic objectives.

2021 was a busy and productive year. I look forward to continuing the journey in 2022 and building even more trusted connections.

Brian D. Cincera
Health-ISAC Board Chair
SVP and CISO Pfizer

BOARD OF DIRECTORS

Tarik Rahmanovic

Sr. Principal Scientist,
AbbVie

Gregory Barnes

VP, Global CISO,
Amgen

Anahi Santiago

CISO,
ChristianaCare

Scott Nichols

Global Product Security Leader,
Danaher

Meredith Harper

VP and CISO,
Eli Lilly and Company

TJ Bean

Director of CyberSecurity – Information Protection
and Security,
HCA Healthcare

Roisin Suver

AVP, Cyber Threat Intelligence,
Humana

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Mike Towers

CISO,
Takeda

Scott Morris

SVP and CISO,
Zipari

A Year of Growth and Value Delivered

MORE MEMBERS, MORE TOOLS, MORE CONNECTIONS

The 98% retention rate in 2021 speaks to the value Members perceive from their membership. An additional 119 new member organizations joined Health-ISAC's community in 2021.

98%

Member Retention

Global Member Footprint



2021 By The Numbers



119

New Member
Organizations joined
Health-ISAC



>4,000

Followers on
LinkedIn



600+

Member
Check-ins



>5,800

Security Professionals
in the Network
Globally



50

Speaking events
by Health-ISAC's
leadership

#1

Ranking On LinkedIn
Analytics Competitor
Section in November
for Post Engagements

100,000+

People had access to TLP Green &
White Bulletins through Health-ISAC
including Members, industry
partners, and associations.

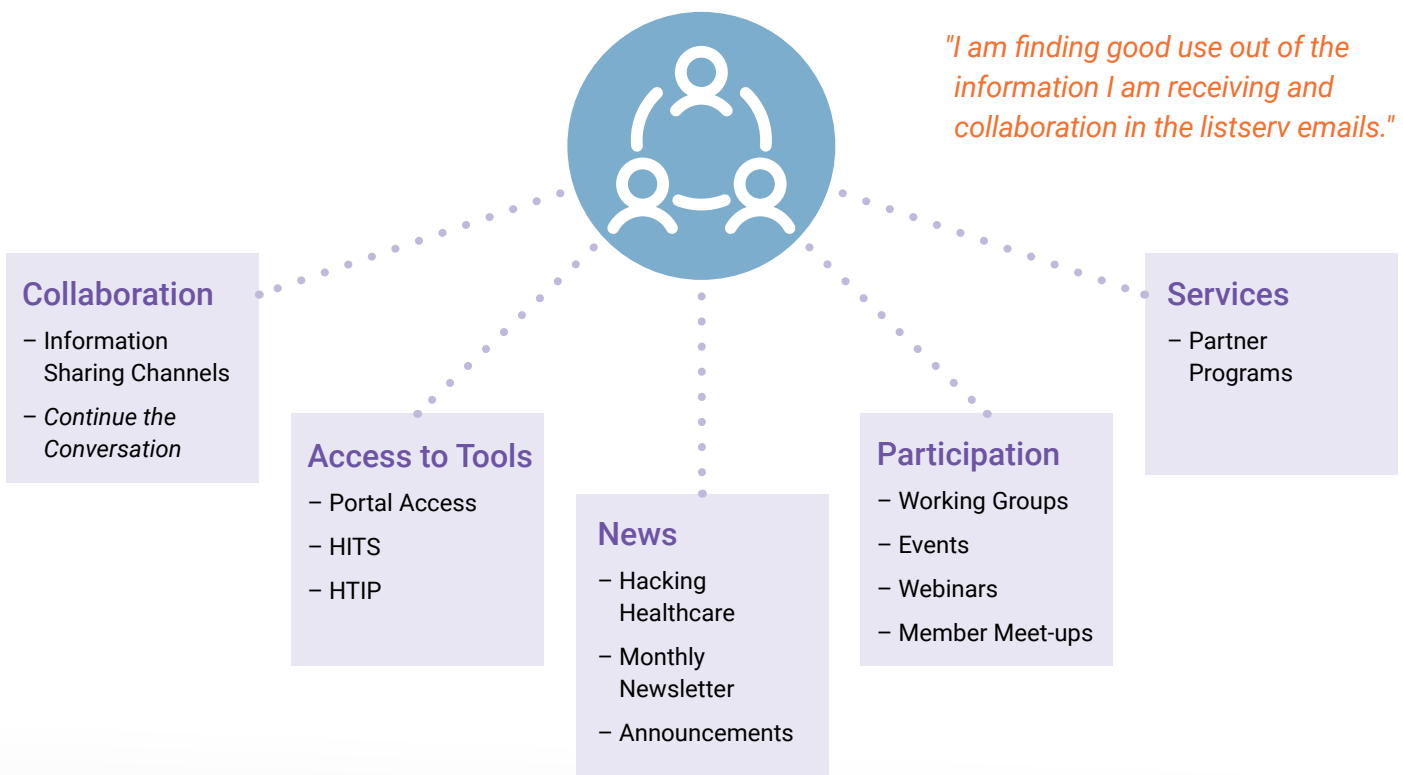


3,000+

Total views of Health-ISAC
videos in 2021 on
YouTube and
Google

Peer-to-Peer Connections

One of the greatest values of being a Health-ISAC Member is the ability to connect with other Members on a broad range of topics and discussions. Members collaborate with each other across the globe and represent all facets of the Healthcare Sector. The Member Engagement Team acts as the central hub for Members, connecting them to services, tools, and information they need to engage fully within Health-ISAC's community. Rich, actionable information within this diverse community is shared between peers in daily chat queries, deep dive discussions, shared pain points addressed in working groups, and Member-presented experiences at global events.



6,000+

People are on the email information sharing channels

1,170

People contributed to conversations on email information sharing channels

75+

Conversations around sharing best practices

5,200+

People connect on the Weesecrets chat platform

63

Webinars delivered in 2021

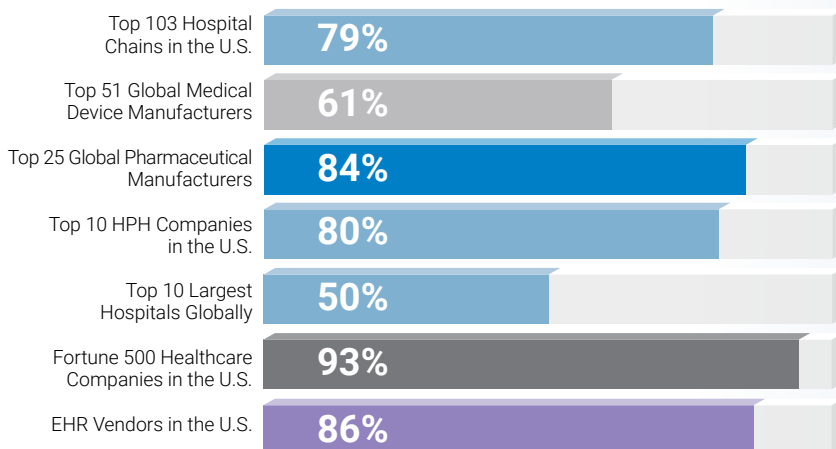
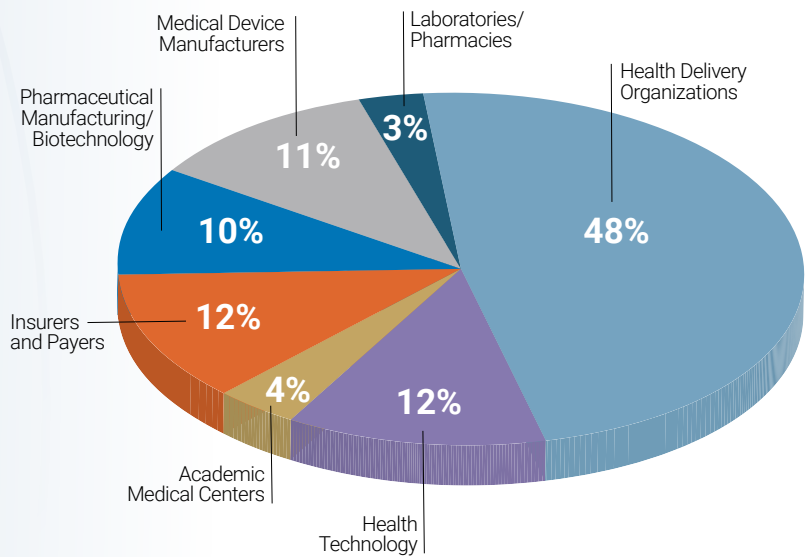
"For me, the conversations regarding different tools, vendors and workflows are catalytic, informational and guiding."

Diverse Membership Composition Across the Healthcare Sector

Health-ISAC connects security professionals within a large range of healthcare organizations, from a single chiropractic office to a global health system, from a medical school to a medical device manufacturer.

"I will share with headquarters how valuable this organization is to helping us be the best prepared to enter the market in the next few years."

Member Composition



Leaders in the Industry

Health-ISAC Membership represents different sizes and sections of the Healthcare ecosystem, from \$<1M annual revenue to \$238B in annual revenue. 84% of the top 25 Pharmaceutical Manufacturers and 61% of the top 50 Medical Device Manufacturers in the world are Health-ISAC Members. The more Healthcare Sector organizations connected within Health-ISAC, the more resilient the global Healthcare Sector is.

Connecting Members to Information

Health-ISAC's Threat Operations Center (TOC)

connected Members to timely information throughout the year, quickly creating and disseminating actionable cyber and physical threat intelligence Members could act upon. These updates included pre-public alerts, targeted alerts, vulnerability & threat bulletins, benchmarking surveys, and webinar discussions for up-to-the-minute updates on current threats.




811 

TLP Green & White
threat bulletins

35 

Physical Security Threat
and Incident bulletins

77% 

Of Members subscribe to
the Physical Security Daily
Reports and Alerts

"We share with each other like friends on the battlefield. My people are using [Health-ISAC] platforms and technologies to collect and I'm using [Health-ISAC] reports on what's going on in the cybersecurity and threat space."

Shared Information by The Numbers

>40%

Member organizations have adopted the new Automated Threat Indicator Sharing platform (HITS)

Shared over
65,812

Indicators of Compromise (IOCs)



>90%

Of Members connect on HTIP, the new Health-ISAC Threat Intelligence Portal

4

Pre-public vulnerability notifications shared with Members from security researchers and technology vendors

30+

Member-initiated best practice surveys

2,000+

Attendees at the Monthly Threat Briefings

10

Health-ISAC TOC Spotlight threat and vulnerability Webinars recorded for Members

40+

Vulnerability Bulletins to Members

34+

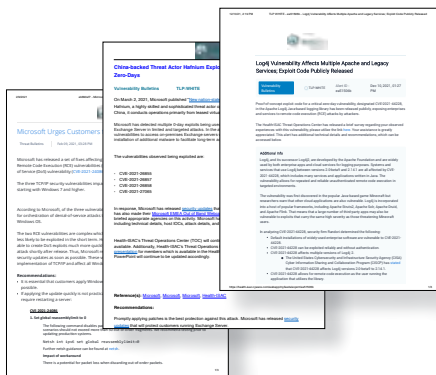
TLP AMBER level Threat, Vulnerability, and Incident bulletins

419

Targeted Alerts

370 + 49

Members Non-Members



242

Finished Intelligence Reports

"We've found that Health-ISAC intelligence is several orders of magnitude better than anything else we use."

MULTIPLE SOURCES OF INFORMATION

Targeted Alerts

Health-ISAC's Threat Operations Center (TOC) published 419 Targeted Alerts in 2021 to Member and non-member organizations. Targeted Alerts warn organizations of high risks specific to their network—including things like vulnerable servers, cyber criminals selling access to their networks, stolen intellectual property, and compromised credentials.

Threat Intelligence Portal

In 2021, over 90% of Member organizations used Health-ISAC's Threat Intelligence Portal (HTIP). HTIP allows for the delivery of valuable threat data from a variety of sources to Members in a consolidated feed of informative and actionable threat intelligence.



Member Surveys

In 2021, Health-ISAC began capturing feedback with online survey tools to help Members determine what is state-of-the-art and what would be considered best-practice for a number of operational areas. Members often bring a topic of interest to the TOC team, who develops these ideas into a survey to capture feedback across the community. Over 30 surveys were conducted in 2021. A few examples are listed here:

- SolarWinds Impact Survey
- Security Operations Center Survey
- App Store Monitoring Survey
- Vaccine Mandate and FDA Approval Survey
- Security Workforce Size and Strategy Survey

Pre-public Alerts

Pre-public alerts are vulnerability notifications shared with Health-ISAC from technology vendors, research institutions, and other trusted partners ahead of any public disclosure. Disclosures range from vulnerability advisories to threat actor discovery regarding imminent threats and risks that can be shared with Health-ISAC Members. The advance notice is extremely useful for information security teams to implement technical mitigations and develop public relations strategies ahead of the public disclosure. In 2021, Health-ISAC provided four Pre-public alerts.

- Braktooth
- AMNESIA 33
- NUCLEUS 13
- Dell Boot Recovery Remote Code Execution (RCE) Vulnerability

“We did not realize how many tools are at our disposal with Health-ISAC; we are going to be using everything we can”



Monthly Threat Briefing

The TOC hosts and delivers a Monthly Threat Briefing for Health-ISAC Members aided by Members, sponsors, and partners. The monthly sessions cover Current Threat Trends in Healthcare, Cyber Crime, Nation State, Physical Security, Legal & Regulatory Issues, Significant Upcoming Dates and recent Health-ISAC publications.

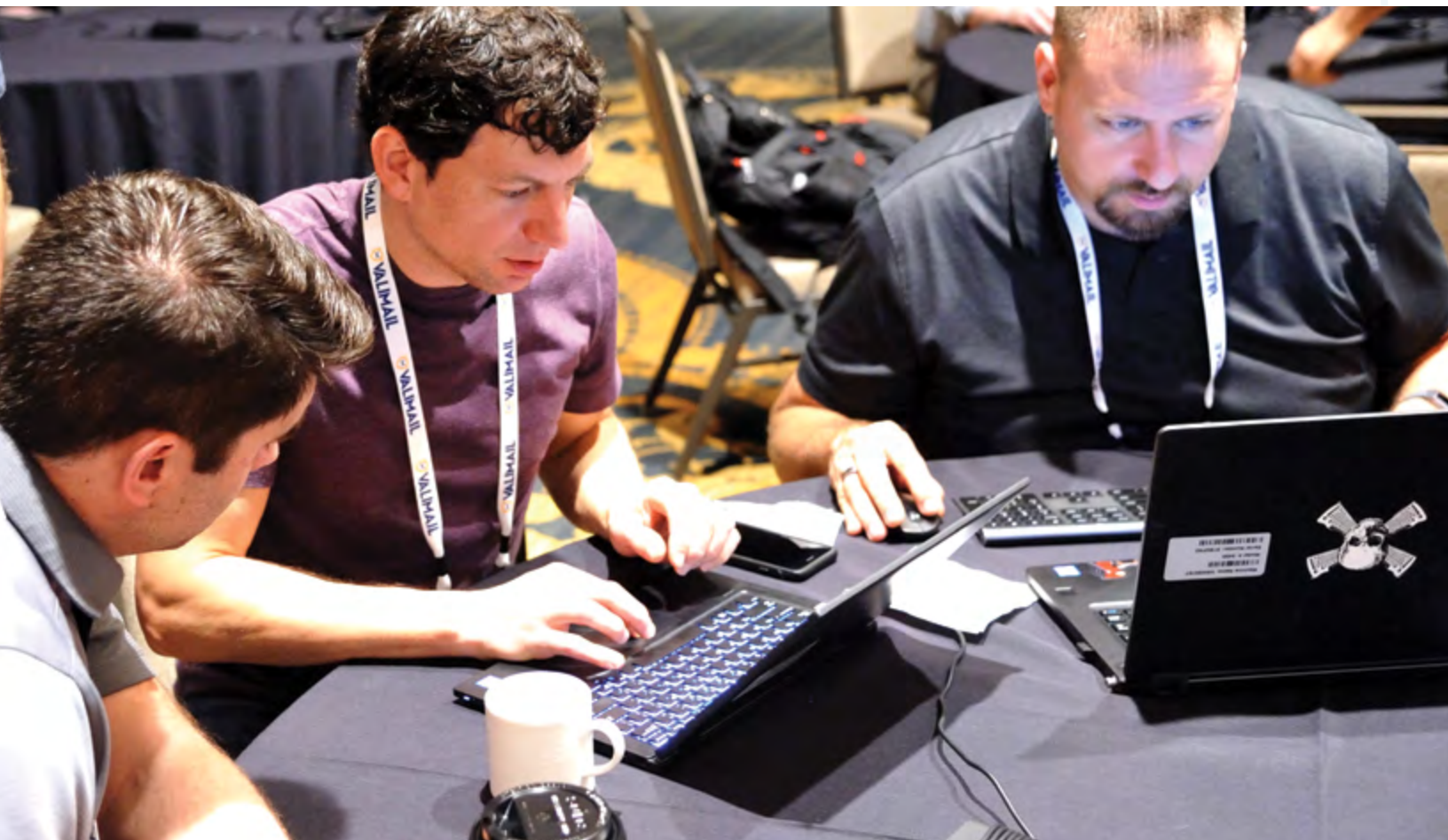
Microsoft Patch Tuesday Podcast

In 2021, the TOC created a new monthly podcast series for Members featuring a Microsoft security engineer reviewing the latest security patches, plus addressing questions from Members.

TOC Open House Office Hours

In 2021, Health-ISAC's TOC team members started an open-office hours feature to provide a virtual "open door" for Health-ISAC Members to discuss a variety of topics, including troubleshooting automated feeds (HITS), suggesting Member surveys, reviewing reports, and discussing current threats.

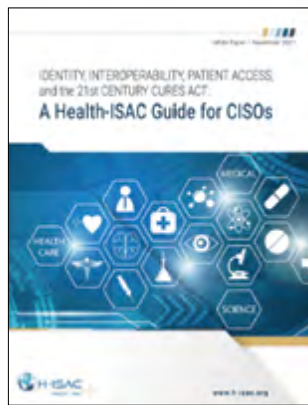
"My team is receiving a great amount of very valuable information on both operational and tactical levels."



Connecting Thought Leaders

WHITEPAPERS

Health-ISAC Committees, Working Groups, and Partners published four whitepapers in 2021 to connect Members and other Health organizations to actionable best security practices in the following areas:



Identity

The Identity Committee published two papers as part of a whitepaper series focused on helping CISOs implement an identity-centric approach to cybersecurity: *Authentication: A Health-ISAC Guide for CISOs* and *Identity, Interoperability, Patient Access, and the 21st Century Cures Act: A Health-ISAC Guide for CISOs*.

Network Security

As the impact of the SolarWinds incident was still being investigated and discussed, Health-ISAC and the American Hospital Association (AHA) collaborated to identify what other "SolarWinds" like issues might be lurking in enterprise networks resulting in this whitepaper: *Strategic Intelligence: Preparing for the Next "SolarWinds" Event*.

Privacy Regulation

Health-ISAC's Governance and Policy Working Group published *Security Implementation of Privacy Regulation* including a recommendation of a minimum set of security controls and process tasks to protect Personal Identifiable Information (PII).

"This was a fantastic exercise that spawned a lot of 'what if' and 'do we have' and 'what would you do' conversations. We came away with several action items."



EDUCATION AND SKILL DEVELOPMENT

Training

- At the Fall Americas Summit, rising CISO Members learned new skills in a two-day Leadership Development course sponsored by Cisco Secure.
- Health-ISAC offered a two-day Cyber Threat Intelligence Training and Discussion Workshop to Members.

Exercises

- Members participated in six Rethinking Resiliency Exercises, using a ransomware response scenario in targeted regional areas.
- In August, Health-ISAC conducted a virtual tabletop exercise for the Bio-Hacking Village at DEF CON.
- In 2021, Health-ISAC Members and staff worked with DHS on the planning for the next Cyber Storm exercise that will take place in 2022.
- In November, Health-ISAC held the second annual Healthcare & Public Healthcare Sector Hobby Exercise in Washington, DC.

Webinars

In 2021, Health-ISAC held a variety of webinars to keep Members abreast of current trends. Here are a few to spotlight:

- Armis Discovers Vulnerabilities in Pneumatic Tube System
- SolarWinds, SUNBURST, and Secure by Design
- TOC Spotlight: Microsoft on PrintNightmare and Patch Tuesday
- Fireside Chat: log4j
- Understanding the significance of the Colonial Pipeline Attack
- Forescout pre-briefing on NUCLEUS:13
- Ransomware Attack – Lessons Learned from a Victim Health Delivery Organization

"It was truly wonderful to meet all of you. I had a blast learning with you, and I hope to see you again soon at another H-ISAC conference!"

"I loved the table top exercises. It gave us a chance to see what each other's roles could potentially be in a Cyber Hack emergency."



NEW MEMBER SERVICE IN 2021: CUSTOMIZED EXERCISES

In 2021, Health-ISAC developed a program bringing customizable tabletop exercises and after-action reporting as a service available to Members. Health-ISAC's exercise team was pleased to provide this service to two Members this year.

- In March, Health-ISAC planned and conducted a 4-hour ransomware preparedness virtual tabletop exercise with breakout group discussions for 70+ participants. The Member's team gained perspective on incident response, identified potential gaps, and improved procedures and processes.
- In September, Health-ISAC planned and conducted a 3-hour ransomware preparedness in-person tabletop exercise to improve decision-making activities of their crisis management team and executive leadership. Health-ISAC facilitated discussion to review existing detection strategies, protocols, mitigation processes, and communication paths.



“Our team got a lot of value from this tabletop exercise and we appreciated the relevance of the scenario to our general location and cyber threats. It gives us a chance to build up playbooks for incident response by being guided through a potential attack and discuss the topics with peers in a way that is useful.”



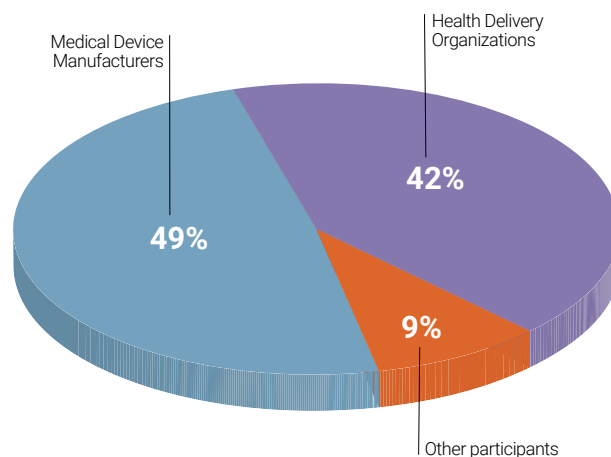
MEDICAL DEVICE SECURITY

Health-ISAC is the only organization that brings together Medical Device Manufacturers and Health Delivery Organizations to support the security of Medical Devices within Healthcare, thus supporting patient safety. This collaboration is done through the Medical Device Security Information Sharing Council with over 300 participants from 135 different organizations.

Key Accomplishments in 2021:

- Developed ‘one-stop’ shop of medical device manufacturers’ security bulletins regarding Log4j vulnerability
- Coordinated with security researchers to schedule several vulnerability disclosure pre-briefings for Members prior to public disclosure.
- Shared 25+ medical device public advisories with Members
- Moderated 2 FDA Town Halls at Americas Summits
- Facilitated 10 Global discussion groups with a range of topics from AI (artificial intelligence) to SBOM (software bill of materials) to 5G impacts
- Health-ISAC curated medical device information related to the Log4J incident.

Medical Device Security Information Sharing Council Composition

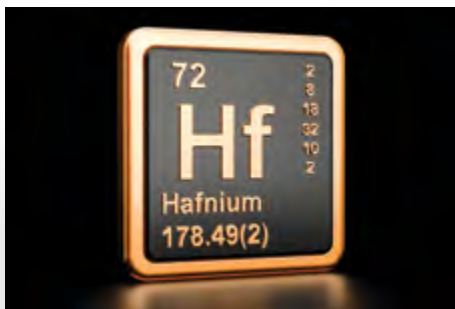


Top Incidents and Vulnerabilities of 2021

In 2021, malicious actors continued to target the global Healthcare Sector through exploitation of countless vulnerabilities and configuration errors. Health-ISAC's Threat Operations Center (TOC) disseminated nearly a thousand Vulnerability and Incident bulletins in 2021. Below captures a selection of the most prevalent incidents and vulnerabilities during the year.

3/2/21

China-backed Threat Actor "Hafnium" Exploiting Four Microsoft Exchange Zero-Days



7/1/21

PrintNightmare - Microsoft Windows Print Spooler Remote Code Execution Vulnerability



5/17/21

Conti Ransomware Attack on Irish Health Service Executive Network



January February March April May June

2/24/21

Threat Actors Exploit Multiple Zero-Day Vulnerabilities in Legacy Accellion File Transfer Appliance Servers to Steal Data and Extort Victims



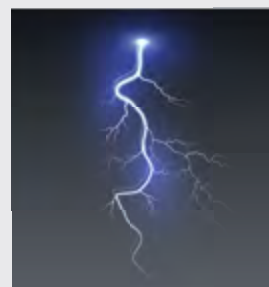
4/5/21

Members Report BazarLoader Malware Group Using Call Center Operators to Trick Victims into Opening Malicious Documents



7/28/21

Cobalt Strike Used Against Healthcare Organizations Involved with COVID-19 Vaccine Distribution and Development



8/2/21

Armis Discovers Nine Vulnerabilities in Pneumatic Tube Systems Used by 80% of Major Hospitals in North America



8/5/21

Members Report Cyber Threat Actors Leveraging Right-to-Left Override (RTLO) in Recent Attacks



Here are the ways that Health-ISAC supported Members:

- Spotlight and Fireside Chat webinars
- Vulnerability and Threat Bulletins
- Pre-public alerts
- Surveys
- Webinar discussions
- TOC Open Office Hours
- Situational Awareness Reports
- IOC (indicators of compromise) and Phishing Intelligence information released
- Targeted alerts
- PowerPoint Overviews

8/13/21

Accenture Shares Details and IOC's of myWizard Lockbit Incident with Health-ISAC Members



8/26/21

Weaponized ProxyShell Vulnerability Targeting Microsoft Exchange Servers



10/20/21

Member Reports Conti Ransomware Actors Deploy Unauthorized Remote Access Software as Backdoor



11/5/21

Pre-Public Notification: Forescout Researchers Discover NUCLEUS:13 Critical Vulnerabilities Impacting Billions of IoT Devices



July

August

September

October

November

December

August 2021
Hurricane Ida



10/13/21

Researchers Discover Vaccine Cold Storage Security Vulnerabilities



10/1/21

Health-ISAC Members Report Threat Actor Offering Cash Incentives to Recruit Insiders to Install Ransomware on Company Internal Networks



10/19/21

Health-ISAC Members Report Threat Actor Sending Fictitious Bomb Threats to Data Centers



12/10/21

Log4j Vulnerability



12/13/21

Kronos (popular HR and Payroll service provider) Ransomware Incident Causes Downtime



Committees and Working Groups

The Member community comes together through committees, working groups, and councils to lead and drive solutions for the industry. Work product items include: white papers, creating resource libraries and templates, presenting at events, and networking to share best practices. Members volunteer their time, lending sweat equity to strengthen the global Healthcare Sector. Health-ISAC and its community are thankful for their time and dedication.



"I love participating in the Health-ISAC workgroups to mine for answers. I've learned from and incorporated so many Health-ISAC resources into my security program, so I know my TPRM problems will find some solutions by participating."

Health-ISAC Committees

- Business Resiliency
- Diversity & Inclusion
- Identity
- Membership
- Threat Intelligence

Business Resiliency Committee

- Developed Priority Intelligence Requirements focused on the non-cyber all-hazards threat environment to inform physical security offerings for Members. The Daily Physical Threat Reports stem from this effort.

Health-ISAC Working Groups

- Cybersecurity Analytics
- Cybersecurity Awareness & Training
- Identity and Access Management
- Information Protection
- Information Security Risk Management
- Information Security Incident Response
- IT Mergers & Acquisitions Life Sciences
- Payers Special Interest
- Pharma and Supply Chain
- Policy and Governance
- Provider Special Interest
- Software Security
- Third Party Risk Governance

Pharma and Supply Chain

- Released two guides in December 2021 available to Health-ISAC Members:
 - *CISO Guide for Securing the Modern Pharmaceutical Supply Chain*
 - *Practitioners Guide to Securing the Supply Chain*

Policy and Governance

- Published *Security Implementation of Privacy Regulation* before sunseting the group in late 2021.

Third Party Risk Governance

- Published *Full and Lite Versions of Health-ISAC Questionnaires*; both copyrighted and available to all Health-ISAC Members in 2021; Lite Version was updated in 10/2021.

Health-ISAC Councils

- European Council
- Asia-Pacific Council
- Medical Device Security Information Sharing Council

Health-ISAC New Working Groups in 2021

- COVID-19 Vaccine (Pharma) Information Sharing
- Cyber Threat Intelligence Program Development
- Security Engineering and Architecture

“Collaboration with organizations like Health-ISAC is so important. I am so proud of the great connections we have [that] enable us to be effectual, fast moving, and help us make the change we aspire to be in the world.”

Learn more about Working Groups:
<https://h-isac.org/committees-working-groups/>

Building Trusted Connections Through Participation

HEALTH-ISAC GLOBAL SUMMITS

Health-ISAC held three global in-person Summits in 2021. Health-ISAC Summits are 'must attend' events full of informative sessions often led by Members, as well as numerous networking opportunities. In 2021, Health-ISAC continued to deliver virtual content for those who were unable to travel.

974
Global Attendees



MAY Spring Americas: *Secured in Paradise*

Health-ISAC's Hybrid Summit in Naples, Florida offered two Summit experiences. Attendees able to travel attended in person. The Summit emcee seamlessly led virtual attendees through a blend of live-streamed and pre-recorded sessions with networking game rooms and competitions.



OCTOBER Fall European: *Power Your Network*

This Summit held in Sanport-Noord, Netherlands enabled European Members and Health-ISAC's European Council to connect in-person.



DECEMBER Fall Americas: *Intelligence Island*

Held in San Diego, California this summit boasted near pre-pandemic attendance numbers, safely providing trust-building face-to-face networking with peers and vendors. Virtual attendees enjoyed the live-streamed sessions as well.

"It was great to meet others who are working on the front lines, hear their experiences, and to establish working relationships."



75

Member Presentations delivered



19

Countries represented at 2021 Summits



"Health-ISAC's second European Summit in the Netherlands was a fantastic success. A huge amount of experience and information from healthcare cybersecurity professionals was shared over the course of the Summit."



2,812

Session content hours



Connecting to the Healthcare Sector Via Blogs, Articles and Social Media

Health-ISAC Hacking Healthcare Blog



Health-ISAC has provided a blog covering Healthcare Sector policy and regulatory current events since October 2017.

The Blog was referred to in a May article in *MedCity News*.

4/16/21 Cybersecurity News



"Health-ISAC recently published supply-chain cyberattack insights in collaboration with the American Hospital Association, meant to support healthcare provider organizations to prevent and respond to enterprise network compromise, in the wake of the SolarWinds Orion incident."

6/1/21 Wall Street Journal PRO

"We need to increase the effectiveness of cyber crime enforcement globally, making sure we've got meaningful laws addressing cybersecurity issues."
Said Errol Weiss, Chief Security Officer at Health-ISAC.



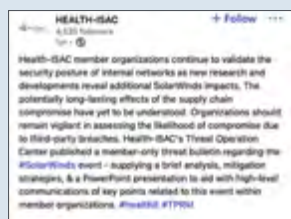
January February March April May June

1/22/21
Health-ISAC Chief Security Officer, Errol Weiss, quoted in *Healthcare InfoSecurity Magazine*



Health-ISAC Chief Security Officer, Errol Weiss stated, "As part of the pandemic response, Health-ISAC has formed dedicated working groups to help improve security of the entire vaccine supply chain."

2/3/21
Published SolarWinds Threat Bulletin



 Health-ISAC's Threat Operation Center published a threat bulletin regarding the #SolarWinds event—supplying a brief analysis, mitigation strategies, and a PowerPoint presentation to aid with high-level communications of key points related to this event for member organizations."

4/28/21
Health-ISAC Chief Security Officer, Errol Weiss participated on a HIMSS Italian Community security panel in *HealthcareIT News* and was quoted



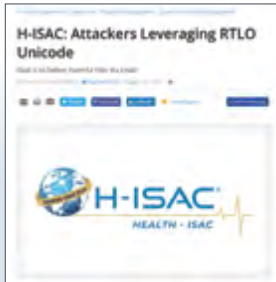
5/14/21
Member recommendation shared on LinkedIn in response to Ireland's Department of Health



"It's vitally important for healthcare organisations to work together to share cyber threat intelligence in groups like Health-ISAC."

8/10/21

Healthcare InfoSecurity highlights Health-ISAC's threat intelligence



8/10/21

Health-ISAC Chief Security Officer, Errol Weiss, quoted in Healthcare IT News from HIMSS21



11/17/21

CNN: Health-ISAC said it would quickly share the US government advisory with its Members.

"We're taking it very seriously," said Errol Weiss the group's Chief Security Officer.



12/20/21

Health-ISAC President and CEO, Denise Anderson, quoted in Healthcare InfoSecurity Magazine on Log4j Vulnerability.



"The basic mitigation strategy is to upgrade to version 2.16.0 and at a minimum to 2.15.0 as soon as possible..." says Denise Anderson, President of Health-ISAC.

9/23/21

CyberWire Daily Podcast

Q: For that person in charge of security for a health care organization, do you have any advice? A: "#1, I would go work with the wisdom of the crowd. Go to Health-ISAC. It'll be a great source of income—of knowledge."



July

August

September

October

November

December

9/6/21

Member recommends Health-ISAC in Technology Magazine

Technology Magazine. Page 246 "... cyber attackers tend to target the same industry until they are successful, which is one of the reasons [we joined] Health-ISAC to work together to try to avert future attacks."



10/7/21

Denise Anderson, Health-ISAC President and CEO quoted in GovInfoSecurity.com

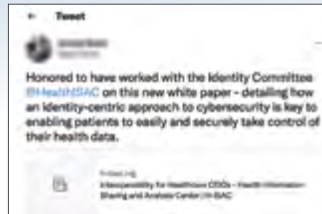


Denise Anderson, Health-ISAC President and CEO, "But many of these ransomware families, to some extent, are opportunistic and are going after low-hanging fruit."



12/6/21

Member comments on Health-ISAC's Identity whitepaper



On Twitter: "Honored to have worked with the Identity Committee @HealthISAC on this new white paper—detailing how an identity-centric approach to cybersecurity is key to enabling patients to easily and securely take control of their health data."



12/15/21

On Twitter: Denise Anderson on the CyberWire's Quarterly Analyst call discussing supply chain security.



Connecting Members to Solutions

Health-ISAC engages with vetted service providers committed to Health-ISAC's mission of increasing Healthcare Sector resiliency against all hazards. This unique, solution-based community provides Members with exclusive cost-effective security solutions, offers Members valuable opportunities to evaluate security services with less risk, and expands Member security awareness. In 2021, Health-ISAC's solution Partners provided 64 thought-leadership webinars and whitepapers in support of the Community.

AMBASSADOR PROGRAM

In alignment with Health-ISAC's mission to increase resilience within the global Healthcare Sector, Health-ISAC partnered with Mastercard, known for its innovative work in identity theft protection, cyber risk management, and fraud detection. Mastercard provided a number of educational webinars for Health-ISAC Members to raise awareness of trends and risks to the Healthcare Sector. This unique relationship ultimately improves the situational awareness of Health-ISAC's Members.

Learn more about the Ambassador program:

<https://h-isac.org/health-isac-names-riskrecon-its-first-global-ambassador/>



"Beyond the recent Security Scorecard service, we've been getting great intel from our PERCH network probes for almost 3 years, we bring in the Health-ISAC threat feeds into our McAfee and Cisco Umbrella web gateways, we've directly influenced two other regional health systems to establish Health-ISAC memberships, and we participate in the Health-ISAC Summits. It is all because of the quality information, content, services, and support we receive from Health-ISAC!"

"Our Company is proud to partner in Health-ISAC's Community Services Program. In 2021, we averaged a 16% close rate – which is a fantastic ROI!"

COMMUNITY SERVICES

2021 saw the launch of the robust Community Services program. Eight solution providers joined the program to become resource collaborators in the Health-ISAC mission. Community Services providers offer their services to Health-ISAC Members at reduced fees, or in some cases, at-no-cost. They are vested stakeholders who willingly share their expertise across the entire H-ISAC community. By providing unique solutions to Members, Community Service Providers increase resiliency for all Members across the healthcare ecosphere, regardless of resource depth.

Learn more about Community Services: <https://h-isac.org/community-services/>





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Health-ISAC's mission is to empower trusted relationships in the global healthcare industry to prevent, detect, and respond to cybersecurity and physical security events so that Members can focus on improving health and saving lives.

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Joining Health-ISAC as a Member strengthens not only your own organization, but also increases the resiliency of the global Healthcare Sector. To discover more, send an email to CONTACT@h-isac.org