



Health Sector Coordinating Council
Cybersecurity Working Group

Healthcare and Public Health Sector Coordinating Council

Cybersecurity Working Group

2025 Annual Report



Chairman's Forward



Chris Tyberg
Industry Co-Chair
HSCC Cybersecurity
Working Group

We saw a mix of challenges in 2025. Cyberattacks on the health sector continued to grow, especially ransomware and incidents involving third parties and cloud services. These attacks strained organizations' ability to stay prepared and respond effectively. At the same time, the federal government under the new Administration scaled back some of its cyber programs, including ending the Critical Infrastructure Partnership Advisory Council (CIPAC), reducing resources at the Cybersecurity and Infrastructure Security Agency (CISA), and undergoing significant changes within Health and Human Services (HHS).

These shifts challenged the healthcare industry to work more creatively and collaboratively to strengthen its defenses. As HHS settled into its new structure and priorities going to the fourth quarter of 2025, our federal partners re-engaged to discuss both technical and strategic initiatives, and we were glad to have them back. As for our accomplishments...

Our Cybersecurity Working Group had a productive 2025, during which we

- Released six documents outlining best practices
- Advised industry and government to create practical and effective policies and regulations for healthcare cybersecurity
 - Provided testimony on two occasions before House and Senate Committees
 - Managed 10 functional cybersecurity task groups
- Recorded high engagement levels across publications, website visits, social media, and overall public awareness (refer to slide 9 for details)

Looking ahead, we asked ourselves: *What comes next?*

By the end of 2026, the sector will have access to more than 40 best-practice publications we've created since 2019. If widely adopted, these resources could bring the sector to a more stable level of cybersecurity readiness. We also recognize most of these materials are static PDF documents, which is limiting. They're free but not easily used in automated or technology-driven ways.

As a result in 2025, we began exploring new ways to help organizations more effectively use and operationalize these best practices publication materials. At our November All-Hands meeting in St. Louis, we launched a light-hearted but meaningful "shark tank"-style competition called, *From Publishing House to Project Incubator*. Members teamed up to pitch business ideas based on selected best-practice documents. Attendees voted for their favorites, gummy sharks were awarded, and several concepts showed potential to come to fruition in 2026 and beyond. We look forward to finding solutions to continue maximizing our adoption efforts.

Will you be one of the innovators who helps take these ideas further?



Membership



Year-End 2025 Membership

- **457 private sector organizations**, including:
 - 408 owner-operators (+18 over 2024)
 - Includes 57 industry associations and professional societies
 - 49 non-voting advisor companies (-15 from 2024)
- **23 government organizations**, including
 - 13 federal
 - 4 state
 - 2 city
 - 2 county
 - 2 Canadian



[*Link to member list*](#)

**Total Member
Personnel:**

1,125

(+95 over 2024)



Member Distribution by Subsector

- Direct Patient Care: **46.30%**
- Health Information Technology: **4.44%**
- Health Plans and Payers: **5.07%**
- Mass fatality and Management Services: **0**
- Medical Materials: **9.94%**
- Laboratories, Blood, Pharmaceuticals: **5.29%**
- Public Health: **4.44%**
- Cross-sector: **8.25%**
- Government (Fed, State, County, Local): **4.86%**
- Advisors: **10.15%**



Output



Publications (6 in 2025) By the Sector for the Sector

2025

- [Medtech Model Cybersecurity Contract v2](#)
- [A.I. Cybersecurity One-Pagers](#)
- [Sector Mapping and Risk Toolkit](#)
- [On the Edge: Cyber Health of Resource-Constrained](#)
- [Cybersecurity Consultative Process Proposal](#)
- [Recommendations for Government Policy and Programs](#)

2024

- [Medical Product Manufacturer Cyber Incident Response Playbook](#)
- [Executive Checklist for Incident Response](#)
- [Medical Device and Health IT Joint Security Plan v2 \(JSP2\)](#)
- [Health Industry Cybersecurity Strategic Plan](#)
- [Coordinated Privacy Security Partnerships](#)

2023

- [Health Industry Cybersecurity Information Sharing Best Practices](#)
- [Health Industry Cybersecurity Matrix of InfoSharing Organizations](#)
- [Coordinated Healthcare Incident Response Plan](#)
- [Recommended Government Policy & Programs](#)
- [Hospital Cyber Landscape Analysis \(Joint HSCC/HHS\)](#)
- [Prioritized Recognized Cybersecurity Practices](#)
- [Health Industry Cybersecurity Practices 2023 \(Joint\)](#)

- [Cybersecurity for Clinician Video Training Series](#)
- [Health Industry NIST CSF Implementation Guide \(Joint\)](#)
- [Managing Legacy Technology Security](#)
- [Artificial Intelligence Machine Learning](#)

2022

- [Operational Continuity-Cyber Incident Checklist](#)
- [MedTech Vulnerability Communications Toolkit](#)
- [Model Contract-Language for Medtech Cybersecurity](#)

2021

- [Securing Telehealth and Telemedicine](#)

2020

- [Supply Chain Risk Management](#)
- [Health Sector Return-to-Work Guidance](#)
- [Tactical Crisis Response](#)
- [Protection of Innovation Capital](#)
- [Checklist for Teleworking Surge During COVID-19](#)

2019

- [Workforce Guide](#)
- [Medical Device and Health IT Joint Security Plan](#)
- [Health Industry Cybersecurity Practices \(Joint\)](#)



Link to publications



HSCC Best Practices 2019-2026

Categorized by Function on [Website](#)



Manage Risks

- [Health Industry Cybersecurity Strategic Plan](#)
- [Health Industry Cybersecurity Practices 2023](#)
- [A.I. Cybersecurity One-Pagers](#)
- [Artificial Intelligence Machine Learning](#)
- [Sector Mapping and Risk Toolkit](#)
- [On the Edge: Cyber Health of Resource-Constrained](#)
- [Coordinated Privacy Security Partnerships](#)
- [Matrix of Cybersecurity InfoSharing Organizations](#)
- [Securing Telehealth and Telemedicine](#)
- [Prioritized Recognized Cybersecurity Practices](#)
- [Health Industry NIST CSF Implementation Guide](#)
- [Protection of Innovation Capital](#)
- [Supply Chain Risk Management](#)
- [Workforce Guide](#)
- [Cybersecurity for Clinician Video Training Series](#)

Monitor Threats

- [Cybersecurity Strategic Plan](#)
- [Health Industry Cybersecurity Practices 2023](#)
- [NIST CSF Implementation Guide](#)
- [A.I. Cybersecurity One-Pagers](#)
- [Artificial Intelligence Machine Learning](#)
- [Cybersecurity Information Sharing Best Practices](#)
- [Supply Chain Risk Management](#)

Secure Medtech

- [Health Industry Cybersecurity Strategic Plan](#)
- [Medical Device and HIT Joint Security Plan](#)
- [MedTech Vulnerability Communications Toolkit](#)
- [Medtech Model Cybersecurity Contract v2](#)
- [Managing Legacy Technology Security](#)
- [Medical Product Manufacturer Cyber Incident Response Playbook](#)
- [A.I. Cybersecurity One-Pagers](#)

Respond and Recover

- [Health Industry Cybersecurity Strategic Plan](#)
- [Health Industry Cybersecurity Practices 2023](#)
- [A.I. Cybersecurity One-Pagers](#)
- [Executive Checklist for Incident Response](#)
- [Cybersecurity Information Sharing Best Practices](#)
- [Coordinated Healthcare Incident Response Plan](#)
- [Tactical Crisis Response](#)
- [Operational Continuity-Cyber Incident Checklist](#)
- [Matrix of Cybersecurity InfoSharing Organizations](#)
- [Medical Product Manufacturer Cyber Incident Response Playbook](#)
- [Cybersecurity for Clinician Video Training Series](#)

Measure Effectiveness

- [Health Industry Cybersecurity Strategic Plan](#)
- [A.I. Cybersecurity One-Pagers](#)
- [Hospital Cyber Landscape Analysis](#)
- [Matrix of Cybersecurity InfoSharing Organizations](#)
- [Information Sharing Best Practices](#)
- [Supply Chain Risk Management](#)



Visibility



2025 HSCC Public Foot-Print

All Publications

- **439,727 downloads**
(439,800 in 2024)

Video Training

- **18,904 Youtube views / 1,000 hours** *(nearly double in 2024)*
- **~ 30 LMS / mp4 requests**

Webpage Views

- Total Page Views: **83,844**
(31,408 in 2024)
- Total Users: **38,533**
(13,103 in 2024)

Member Orientations

- 103 total orgs; 70 hours
- 66 new orgs, 37 existing
 - Of the 66 new, 33 enrolled, incl. 2 Advisors

LinkedIn

Followers 2,770 Post Impressions 54,313
Reactions 1353 Comments 41 Reposts 173

Public Recognition

- **~ 12,200 news results** in Google search
(~6950 in 2024)
- **~9,290 video posts** in Google search
(~3,000 in 2024)
- **~49,100 news/video results** since 2018
- **23+** Leadership Speaking Appearances
(not counting leadership /member appearances)
- **2** Congressional Testimonies to House Energy & Commerce and Senate HELP Committees

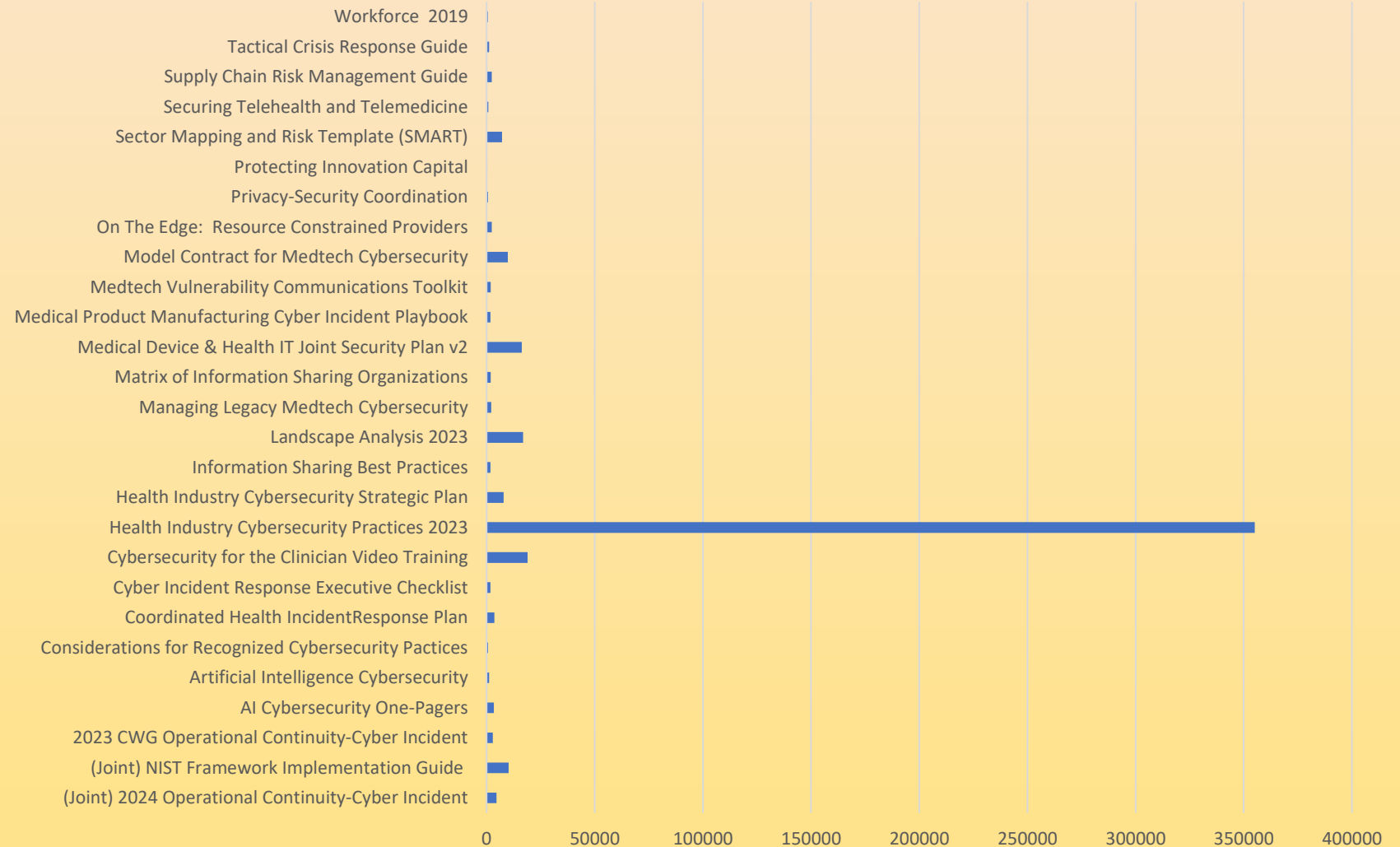


Leading Practices

Total Downloads and Views

Publication	# Views/Downloads
(Joint) 2024 Operational Continuity-Cyber Incident	6,020
(Joint) NIST Framework Implementation Guide	10,567
2023 CWG Operational Continuity-Cyber Incident	1,708
Artificial Intelligence Cybersecurity	704
Considerations for Recognized Cybersecurity Practices	75
Coordinated Health IncidentResponse Plan	1,156
Cyber Incident Response Executive Checklist	941
Cybersecurity for the Clinician Video Training	35,698
Health Industry Cybersecurity Practices 2023	131,400
Health Industry Cybersecurity Strategic Plan	3,646
Information Sharing Best Practices	557
Landscape Analysis 2023	233,400
Managing Legacy Medtech Cybersecurity	746
Matrix of Information Sharing Organizations	548
Medical Device & Health IT Joint Security Plan v2	6,088
Medical Product Manufacturing Cyber Incident Playbook	1,166
Medtech Vulnerability Communications Toolkit	589
Model Contract for Medtech Cybersecurity	1,121
Privacy-Security Coordination	1,386
Protecting Innovation Capital	189
Securing Telehealth and Telemedicine	388
Supply Chain Risk Management Guide	1,026
Tactical Crisis Response Guide	480
Workforce 2019	128
Grand Total	439,727

2025 Publications: Total Views/Downloads





2025 Task Groups



HSCC Joint Cybersecurity Working Group 2025 Task Groups Objectives And Leadership

TASK GROUP	OBJECTIVE	INDUSTRY LEADS	GOVT. LEAD
Artificial Intelligence Cybersecurity	Identify the emerging risks associated with the use of AI/ML based products and services in HPH and develop recommendations for their mitigations. Develop guidelines, standards, and best practices for AI safety and security.	Rohit Tandon – <i>Essentia Health</i> Rob Suarez – <i>CareFirst</i>	HHS ASPR- Charlee Hess
Cybersecurity Board Governance	Develop initiative(s) to enhance health sector senior leadership and board knowledge of cybersecurity and accountability to create a culture of security within their organizations	Inhel Rekik – <i>Bracco Group</i> Janine Fadul – <i>George Washington University</i> Bill Reid – <i>Google</i>	N/A
Health Industry Cybersecurity Landscape Analysis	Update 2023 Hospital Cybersecurity Landscape Analysis which identified the vulnerabilities and threats most frequently resulting in damaging attacks against hospitals and assesses the hospitals' known capabilities for preventing damaging cyber incidents. Version 2 of the L.A. will incorporate more data in the analysis and consider vulnerabilities and incidents faced by additional subsectors.	Anahi Santiago – <i>ChristianaCare</i> James Case – <i>Baptist Health NE Florida</i> Ron Mehring – <i>Texas Health Resources</i>	HHS ASPR- Charlee Hess
MedTech Cybersecurity Updating/Patching	Develop mutual expectations among health delivery organizations and medical device manufacturers about updating and patching medical devices in the clinical environment, and associated risk, prioritization and cost.	Chris Gates – <i>arsMedSecurity</i> Phil Englert – <i>Health ISAC</i>	HHS FDA – Lisa Gilbert
MedTech Manufacturing OT Cybersecurity	Developing leading practices for cybersecurity management of operational/manufacturing technology. Initially focused on medical technology and pharmaceutical subsectors.	Tyrone Heggins, <i>Becton Dickinson</i> Erin Gilliam – <i>Merck</i>	TBD



HSCC Joint Cybersecurity Working Group 2025 Task Groups Objectives And Leadership

TASK GROUP	OBJECTIVE	INDUSTRY LEADS	GOVT. LEAD
MedTech Vulnerability Communications	Provide guidance to differing stakeholders (MDMs, HDO's, clinicians, patients) on preparing, receiving and acting on medical device vulnerabilities. First publication April 2022 on patient awareness. Second version on HDO/MDM engagement and implementation in process.	Les Gray, Abbott (Advisor) Axel Wirth - Medcrypt	TBD
Outreach and Awareness	Develop CWG brand and marketing strategy	Kristi Warner – <i>Abbott</i>	<i>TBD</i>
Post Quantum Cryptography <i>NEW</i>	Develop <ul style="list-style-type: none"> • Shared cryptographic asset inventory framework for organizations to baseline their current exposure. • Cross-industry roadmap for PQC migration, including interoperability and supply-chain considerations. • Guidelines and reference architectures for pilot implementations and vendor engagement. • Recommendations for regulatory and compliance alignment to support smooth adoption across industries. 	Zak Pantelli, GSK George Shatzer, Merck Nate Lesser, Children's National Hospital Lena Karkar, Baxter	Arvin Eskandarnia, FDA
Public Health Cybersecurity	Identify strategies for strengthening the cybersecurity and resilience of SLTT public health agencies with the support of private sector and academic organizations.	Dr. Leanne Field – <i>The UT Austin</i>	<i>HHS ASPR – Bob Bastani</i>
Underserved Provider Cybersecurity Advisory Group	Conduct a series of documented panel discussions with management of under-resourced providers to interview for perspectives about cybersecurity challenges, financial and operational challenges, and their needs for assistance to meet cybersecurity obligations	Jennifer Stoll – <i>OCHIN, Inc.</i> Jim Roeder – <i>Lakewood Health System</i>	<i>TBD</i>



Governance



Health Sector Coordinating Council
Cybersecurity Working Group

Cybersecurity Working Group 2025 Executive Committee

MEMBERS CYCLED OFF THEIR
3-YEAR TERMS END OF 2025

THANK YOU FOR YOUR
SERVICE!



CHAIR

Chris Tyberg
Chief Information
Security Officer
ABBOTT



VICE CHAIR

Samantha Jacques
VP Corporate Clinical
Engineering
MCLAREN HEALTH CARE



AT-LARGE

Sanjeev Sah
SVP, Enterprise
Technology Services & CISO
NOVANT HEALTH



CROSS SECTOR

Bobby Rao
Global CISO
ESPER GROUP



DIRECT PATIENT CARE

James Case
VP & CISO
BAPTIST HEALTH NE FLORIDA



DIRECT PATIENT CARE

Anahi Santiago
CISO
CHRISTIANACARE



HEALTH IT

Jennifer Stoll
Chief of External Affairs
OCHIN, INC.



MEDICAL TECHNOLOGY

Chris Reed
Sr. Director of Cybersecurity
Policy Global Regulatory
Affairs, MEDTRONIC



PLANS-PAYERS

Adrian M. Mayers, Dr.BA,
VP & CISO
PREMERA BLUE CROSS



PHARMA-LAB-BLOOD

Inhel Rekik
Senior Director
Product Security
BRACCO GROUP



PUBLIC HEALTH

Leanne Field PhD, M.S.
Clinical Professor & Founding Director
Public Health Program
UNIVERSITY OF TEXAS AT AUSTIN



**OPERATIONAL
LIAISON (non-voting)**

Denise Anderson
President & CEO
HEALTH-ISAC



Health Sector Coordinating Council
Cybersecurity Working Group

Cybersecurity Working Group

New 2026 Executive Committee

CWG members elect E.C. to 3-year staggered terms to represent their subsectors; E.C. elects Chair and Vice Chair to 2-years terms



CHAIR

Chris Tyberg
CISO
ABBOTT
December 2026



VICE CHAIR

Samantha Jacques
VP Corporate Clinical Engineering
MCLAREN HEALTH CARE
December 2026



AT-LARGE

Dr. Jeff Tully
Co-Director,
Center for Healthcare Cybersecurity
UC SAN DIEGO
December 2028



CROSS SECTOR

Bobby Rao
CISO
BAYER CROP SCIENCES
December 2026



DIRECT PATIENT CARE

James Case
VP & CISO
BAPTIST HEALTH NE FLORIDA
December 2027



DIRECT PATIENT CARE

Anahi Santiago
CISO
CHRISTIANACARE
December 2027



HEALTH IT

Paul Matthews
CISO
OCHIN, INC.
December 2026



MEDICAL TECHNOLOGY

Nimi Ocholi
Vice President, R&D,
Product Security
BD
December 2028



PLANS-PAYERS

Rob Suarez
VP & CISO
CAREFIRST BLUECROSS
BLUESHIELD
December 2028



PHARMA-LAB-BLOOD

Inhel Rekik
Senior Director
Product Security
BRACCO GROUP
December 2027



PUBLIC HEALTH

Dennis Small
Chief Technology Officer
NATIONAL ASSOCIATION OF CITY
AND COUNTY HEALTH OFFICIALS
December 2028



**OPERATIONAL
LIAISON (non-voting)**

Denise Anderson
President & CEO
HEALTH-ISAC
Continuity



Brian Mazanec

Deputy Assistant Secretary and Deputy Director

Center for Preparedness

Administration for Strategic Preparedness and Response

Suzanne Schwartz

Director

Office of Strategic Partnerships & Technology Innovation

Center for Devices and Radiological Health

U.S. Food and Drug Administration



Health Sector Coordinating Council
Cybersecurity Working Group

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