



Healthcare & Public Health
Sector Coordinating Councils

PUBLIC PRIVATE PARTNERSHIP

HSCC Cybersecurity Working Group

Q3 2021 Progress Report

October 1, 2021

Chairman's Forward



Terry Rice
Industry Co-Chair
HSCC Joint
Cybersecurity
Working Group

Now at the beginning of National Cyber Security Awareness Month, we look back on the 3rd quarter of 2021 having presented a mix of continuing attacks and threats as well as shared progress in meeting those challenges. Ongoing ransomware attacks against health provider systems and suppliers have been coupled with a number of actions by the federal government and the HSCC designed to shore up our defenses in government and industry through supply chain, control systems and software security.

The leadership of the Cybersecurity Working Group has been meeting regularly with HHS and CISA leadership about how we can improve coordination among us for preparedness, information sharing and incident response. We are making progress and will concentrate our efforts over the coming months on measuring not only our cyber readiness but the potential for patient harm from cyber attack, and offline continuity of care and operations. CISA has begun this process and, working with HHS, we hope to collect more data and refine the analysis so we can exercise more effective cyber risk management and be prepared for rapid and resilient response during inevitable attacks.

As the following Third Quarter Progress Report indicates, the Cybersecurity Working Group membership grew last quarter in terms of total organizations and the individuals representing them. And we have stayed busy, as multiple task groups are nearing completion of their work with publication of best practices and white papers slated throughout the remainder of the year. Thanks to so many of you for your hard work and dedication to our cause. It is inspiring, noticed and impactful.

At the upcoming All-Hands meeting that I am privileged to host at Merck on November 3, we will take stock of our progress, begin planning for 2022, and set the wheels in motion for nominations and elections of new CWG leadership at the end of the year. The format of the meeting will be a hybrid of reduced in-person attendance coupled with standard virtual access through video conference. I hope to see / hear as many of you as possible for this important session so we can maintain our momentum.

HEALTHCARE SECTOR COORDINATING COUNCIL CYBERSECURITY WORKING GROUP

Membership and Governance

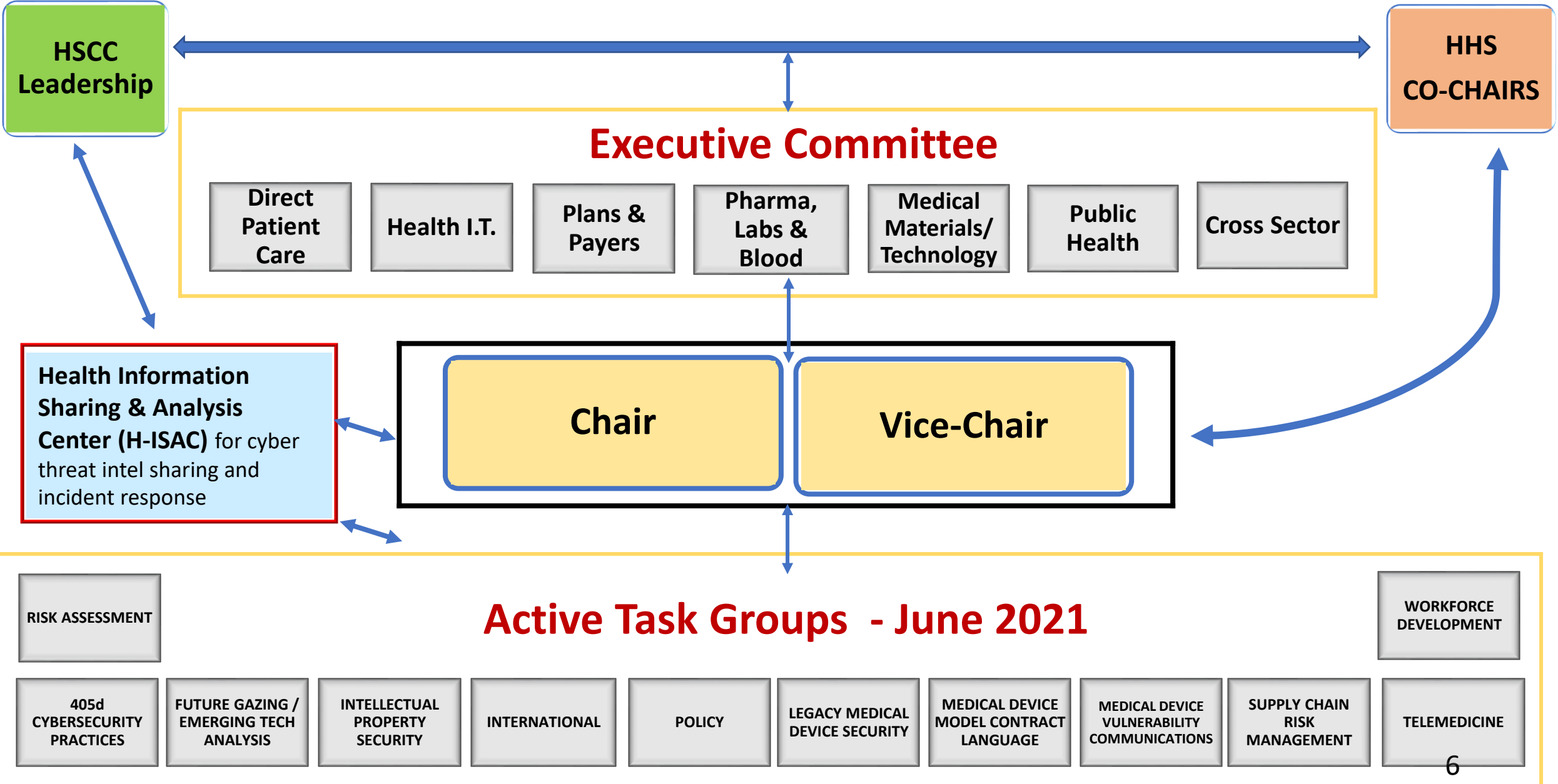
CWG Membership - as of September 30, 2021

- 281 voting organizational members, including
 - 41 industry association members
- 44 non-voting advisor companies
- Government organizations include 9 federal agencies, 2 state agencies, 2 city agencies, and 2 Canadian
- Total representing personnel: 671

Organizational Membership Subsector Distribution

- Direct Patient Care: **38.4%**
- Health Information Technology: **10.3%**
- Health Plans and Payers: **4.3%**
- Mass fatality and Management Services: **0**
- Medical Materials: **10.8%**
- Laboratories, Blood, Pharmaceuticals: **5.4%**
- Public Health: **3.5%**
- Cross-sector: **5.1%**
- Government (Fed, State, County, Local): **10.8%**
- Non-Voting Advisors: **11.4%**

Cybersecurity Working Group Structure



2021 Executive Committee



CHAIR: Terence (Terry) Rice
Vice President, Information
Risk Management and
CISO, Merck



VICE CHAIR: Theresa Meadows,
SVP & CIO, Cook Children's
Healthcare System



Erik Decker, AVP &
CISO, Intermountain
Healthcare



Leslie A. Saxon, MD,
Executive Director, USC
Center for Body
Computing



Marilyn Zigmund Luke, Vice
President, Special Projects
America's Health Insurance
Plans



Michael McNeil,
Senior Vice President,
Global CISO, McKesson



Greg Barnes, CISO
Amgen



Sri Bharadwaj, Vice
President, Digital
Innovation,
Franciscan Health



Denise Anderson,
President, Health-ISAC



Mark Jarrett, Chief Quality
Officer, Senior Vice President &
Associate Chief Medical Officer,
Northwell Health

2021 Government Co-Chairs

Suzanne Schwartz

Director

Office of Strategic Partnerships & Technology Innovation

Center for Devices and Radiological Health

U.S. Food and Drug Administration

Julie Chua

Director, GRC Division

HHS Office of the Chief Information Officer

Bob Bastani

Senior Cyber Security Advisor

Security, Intel, and Information Management Division

Office of the Assistant Secretary for Preparedness & Response

U.S. Department of Health and Human Services

HEALTHCARE SECTOR COORDINATING COUNCIL CYBERSECURITY WORKING GROUP

Initiatives and Deliverables

CWG Task Groups formed to implement the 2017 Healthcare Industry Cyber Security Task Force Imperatives:

1. Define and streamline leadership, governance, and expectations for healthcare industry cybersecurity.
2. Increase the security and resilience of medical devices and health IT
3. Develop the healthcare workforce capacity necessary to prioritize and ensure cybersecurity awareness and technical capabilities
4. Increase healthcare industry readiness through improved cybersecurity awareness and education
5. Identify mechanisms to protect R&D efforts and intellectual property from attacks and exposure
6. Improve information sharing of industry threats, risks, and mitigations

HSCC JOINT CYBERSECURITY WORKING GROUP

2019-2021 Guidance Publications

SEE: <https://healthsectorcouncil.org/hsc-recommendations/>

- **June 2021** [Letter to President Biden on Healthcare Cybersecurity Strategy](#)
- **April 2021** [Health Industry Cybersecurity – Securing Telehealth and Telemedicine](#)
- **September 2020** [Health Industry Cybersecurity Supply Chain Risk Management](#)
- **June 2020** [Health Sector Return-to-Work \(R2W\) Guidance](#)
- **May 2020** [Health Industry Cybersecurity Tactical Crisis Response](#)
- **May 2020** [Health Industry Cybersecurity Protection of Innovation Capital](#)
- **March 2020** [Health Industry Cybersecurity Information Sharing Best Practices](#)
- **March 2020** [Management Checklist for Teleworking Surge During COVID-19](#)
- **October 2019** [Health Industry Cybersecurity Matrix of Information Sharing Organizations](#)
- **June 2019** [Health Industry Cybersecurity Workforce Guide](#)
- **January 2019** [Medical Device and Health IT Joint Security Plan \(JSP\)](#)
- **January 2019** [Health Industry Cybersecurity Practices \(HICP\)](#)

Task Group Status as of September 2021

- **405(d) – HEALTH INDUSTRY CYBERSECURITY PRACTICES**
 - Released HICP Wave 1 Supplements (Quick Start and Matrix); continuing with Wave 2 and 3 supplements development
- **FUTURE GAZING**
 - Preparing White Paper on Artificial Intelligence
- **HEALTH TECHNOLOGY RISK ANALYSIS**
 - Preparing White Paper on Artificial Intelligence
- **IP DATA PROTECTION**
 - Published Health Industry Cybersecurity Protection of Innovation Capital Guide May 2020; to disband after HIC-PIC marketing initiatives
- **INTERNATIONAL**
 - Hosting webinars on health-cyber international coordination
- **LEGACY MEDICAL DEVICES**
 - Ongoing – Publication expected Q4
- **MODEL CONTRACTS**
 - Ongoing – Publication expected Q4
- **VULNERABILITY COMMUNICATIONS**
 - Ongoing - Publication late Q4 / early 2022
- **POLICY**
 - June 9 letter to President Biden; Activates as needed for policy proposals and response;
- **RISK ASSESSMENT**
 - Finalized NIST Cyber Framework Implementation guide; under review by HHS for co-branding
- **SUPPLY CHAIN**
 - Published HIC-SCRiM v2 on September 22; Initiating survey on critical supplier risk management
- **TELEMEDICINE**
 - Published in April “Health Industry Cybersecurity – Securing Telehealth and Telemedicine (HIC-STAT)”;
on hiatus for summer to reassess in Fall
- **WORKFORCE DEVELOPMENT**
 - Preparing series of cybersecurity training videos for clinicians and healthcare students; Reviewing potential production companies for cost and outside funding opportunities

Deliverables on Deck

- **Health Industry NIST Cybersecurity Framework Implementation Guide – Expected Q4**
- **Legacy Medical Device Cybersecurity Management Guide – Expected Late Q4**
- **Medical Device Model Cybersecurity Contract Language – Expected Early Q4**
- **White Paper on Artificial Intelligence Applications and Cyber Risks in Healthcare – Expected Q4**

HEALTHCARE SECTOR COORDINATING COUNCIL CYBERSECURITY WORKING GROUP

Productivity Measures

Addressing the Health Care Industry Cybersecurity Task Force Imperatives

HCIC IMPERATIVES	JCWG DELIVERABLES	DATE DELIVERED
<p>1. Define and streamline leadership, governance, and expectations for healthcare industry cybersecurity</p>	<ul style="list-style-type: none"> • Health Industry Cybersecurity Supply Chain Risk Management Guide (HIC-SCRiM) • CWG letters to HHS in 2018 (Oct. 26 -OIG and August 28-CMS) on Stark rule waiver accepted in HHS proposed rule • Health Industry Cybersecurity Practices (HICP) 	<p>September 2020</p> <p>October 2019 August 2019</p> <p>December 2018</p>
<p>2. Increase the security and resilience of medical devices and health IT</p>	<ul style="list-style-type: none"> • Health Industry Cybersecurity Supply Chain Risk Management Guide (HIC-SCRiM) • HIC-SCRiM v1 • Management Checklist for Teleworking Surge During COVID-19 Response • Medical Device and Health I.T. Joint Security Plan (JSP) • Health Industry Cybersecurity Practices (HICP) 	<p>September 2020</p> <p>October 2019 March 2020</p> <p>January 2019</p> <p>December 2018</p>
<p>3. Develop the healthcare workforce capacity necessary to prioritize and ensure cybersecurity awareness and technical capabilities</p>	<ul style="list-style-type: none"> • Health Industry Cybersecurity Workforce Development Guide (HIC-Workforce) 	<p>June 2019</p>

Addressing the Health Care Industry Cybersecurity Task Force Imperatives

HCIC IMPERATIVES	JCWG DELIVERABLES	DATE DELIVERED
<p>4. Increase healthcare industry readiness through improved cybersecurity awareness and education</p>	<ul style="list-style-type: none"> • Health Sector Return to Work Guidance • Health Industry Cybersecurity Tactical Crisis Response Guide • HSCC Multimedia Promotions for National Cyber Security Awareness Month (blogs, podcast, webinars) • HICP, HIC Workforce, HIC-MISO, JSP, HIC-SCRiM 	<p>June 2020 May 2020</p> <p>October 2019</p> <p>2019-2020</p>
<p>5. Identify mechanisms to protect R&D efforts and intellectual property from attacks and exposure</p>	<ul style="list-style-type: none"> • Health Industry Cybersecurity Intellectual Property Protection Guide 	<p>May 2020</p>
<p>6. Improve information sharing of industry threats, risks, and mitigations</p>	<ul style="list-style-type: none"> • Health Sector Return to Work Guidance • Health Industry Cybersecurity Tactical Crisis Response Guide • Health Industry Cybersecurity Information Sharing Best Practices • Health Industry Cybersecurity Matrix of Information Sharing Organizations (HIC-MISO) 	<p>June 2020 May 2020</p> <p>March 2020</p> <p>September 2019</p>

HEALTH SECTOR COORDINATING COUNCIL

Joint Cybersecurity Working Group

Greg Garcia

Executive Director

Greg.Garcia@HealthSectorCouncil.org

Allison Burke

Program Operations Lead

Allison.Burke@HealthSectorCouncil.org

<https://HealthSectorCouncil.org>