



Healthcare & Public Health
Sector Coordinating Councils

PUBLIC PRIVATE PARTNERSHIP

HSCC Cybersecurity Working Group

Q2 2021 Progress Report

June 30, 2021

Chairman's Forward



Terry Rice

Industry Co-Chair
HSCC Joint
Cybersecurity
Working Group

The second quarter of 2021 was extremely active in cyber security generally and for all of us collectively. Increasing ransomware and software supply chain attacks from crime groups such as REvil and the Russian GRU followed the Colonial Pipeline event with the Kaseya software and JBS meat processing attacks, among others. These events are focusing our attention on community defense, preparedness activities in the HSCC, and policy coordination with the government.

At the All-Clicks meeting in April we heard a briefing from the White House and CISA and held 7 breakout sessions to think strategically about how we [enhance cybersecurity partnership and policy](#). The Biden Administration, Congress and the legal system have acted over the first and second quarters against cyber challenges with numerous policy initiatives that will shape the contours of our operating environment over the coming months:

- [Class Action Suits against Scripps Health](#) for ransomware impact's violation of HIPAA and FTC unfair trade practices;
- [Government Accountability Office Report](#) on need for enhanced HHS Industry Partnership responsibilities;
- [NIST Critical Software Definition](#) pursuant to [May 12 Executive Order Section 4](#) as guidance for government purchasing of systems with "critical software" to ensure appropriate security before purchasing or deploying;
- [HHS OIG Report](#) on Lack of CMS Cybersecurity Oversight of Networked Medical Devices in Hospitals;
- [Department of Justice Guidance](#) regarding investigations and cases to related ransomware and digital extortion as a national security issue; and
- [Warner/Rubio draft bill](#) requiring cyber incident notification to DHS CISA.

Our [June 9 letter to President Biden](#) requesting an enhanced strategic planning session for healthcare cybersecurity draws on many of these policy developments as a reference for how we can resiliently adapt to an evolving threat landscape.

In the HSCC Joint Cybersecurity Working Group, activity has been energetic as membership continues to grow. In April we published the [HIC-STAT Guide](#) on Securing Telehealth and Telemedicine, and we're nearing publication of the NIST Cybersecurity Framework Implementation Guide. More Task Group updates are on slide 14. Keep in mind that our task groups have collectively met 89 times in Q2 alone to advance their work streams toward deliverables. This is testament to your commitment to meeting a cybersecurity challenge that won't let up. And neither will we.

HEALTHCARE SECTOR COORDINATING COUNCIL CYBERSECURITY WORKING GROUP

Membership and Governance

HEALTH SECTOR COORDINATING COUNCIL JOINT CYBERSECURITY WORKING GROUP

Q2 2021 Report

CWG Membership - as of June 30, 2021

- 277 voting organizational members, including
 - 41 industry association members
- 45 non-voting advisor companies
- Government organizations include 9 federal agencies, 2 state agencies, 2 city agencies, and 2 Canadian
- Total representing personnel: 663

HEALTH SECTOR COORDINATING COUNCIL JOINT CYBERSECURITY WORKING GROUP

Q2 2021 Report

Activity Metrics - as of June 30, 2021

- April 19-23 Virtual “All Clicks” Spring Meeting attracted 596 member logins over the week averaging 119 members per 2-hour meeting; All-Clicks Master Deck and other materials [available on SharePoint](#)
- 89 Task Group meetings
- 11 SCC/GCC Joint Cyber Working Group Leadership Friday Coordinating Calls
- 18 external briefings and webinars
- 27 member-prospect orientation calls

Organizational Membership Subsector Distribution

- Direct Patient Care: **39.1%**
- Health Information Technology: **10.0%**
- Health Plans and Payers: **3.9%**
- Mass fatality and Management Services: **0**
- Medical Materials: **10.8%**
- Laboratories, Blood, Pharmaceuticals: **4.7%**
- Public Health: **3.6%**
- Cross-sector: **8.6%**
- Government (Fed, State, County, Local): **10.5%**
- Non-Voting Advisors: **12.5%**

Webpage Metrics, Social Media, and Press Foot-Print

Webpage Views

Total Page Views

- 12,654
- **13.6% Decrease from Q1 2021**
- *Unique Page Views*
 - 10,898
 - **19.7% Decrease from Q1 2021**

Social Media Followers (since account opening October 2018)

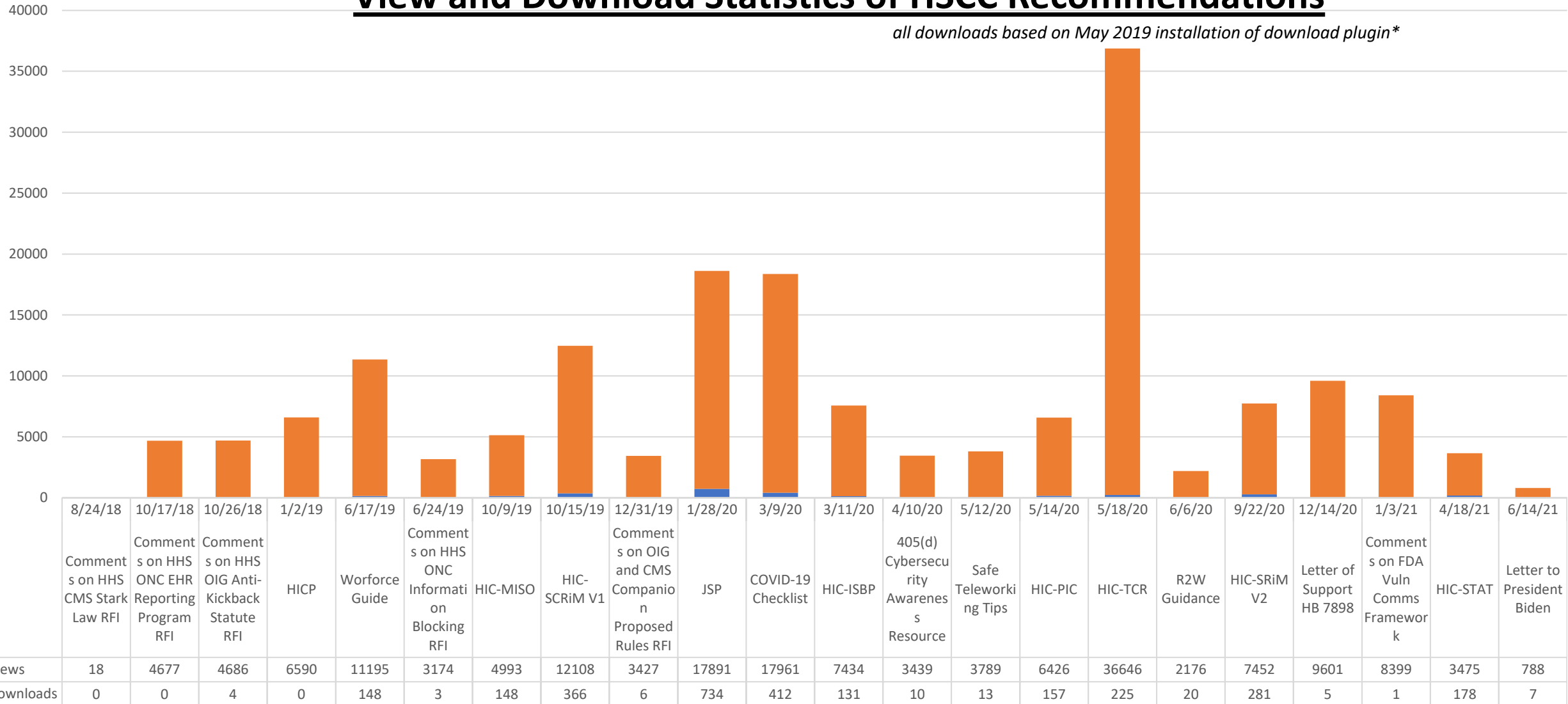
- LinkedIn: 365 *4.6% increase from Q1 2021*
- Twitter: 149 *14.6% increase from Q1 2021*
- Press Mentions
 - 8 Press Mentions in Q2 2021

HEALTH SECTOR COORDINATING COUNCIL JOINT CYBERSECURITY WORKING GROUP

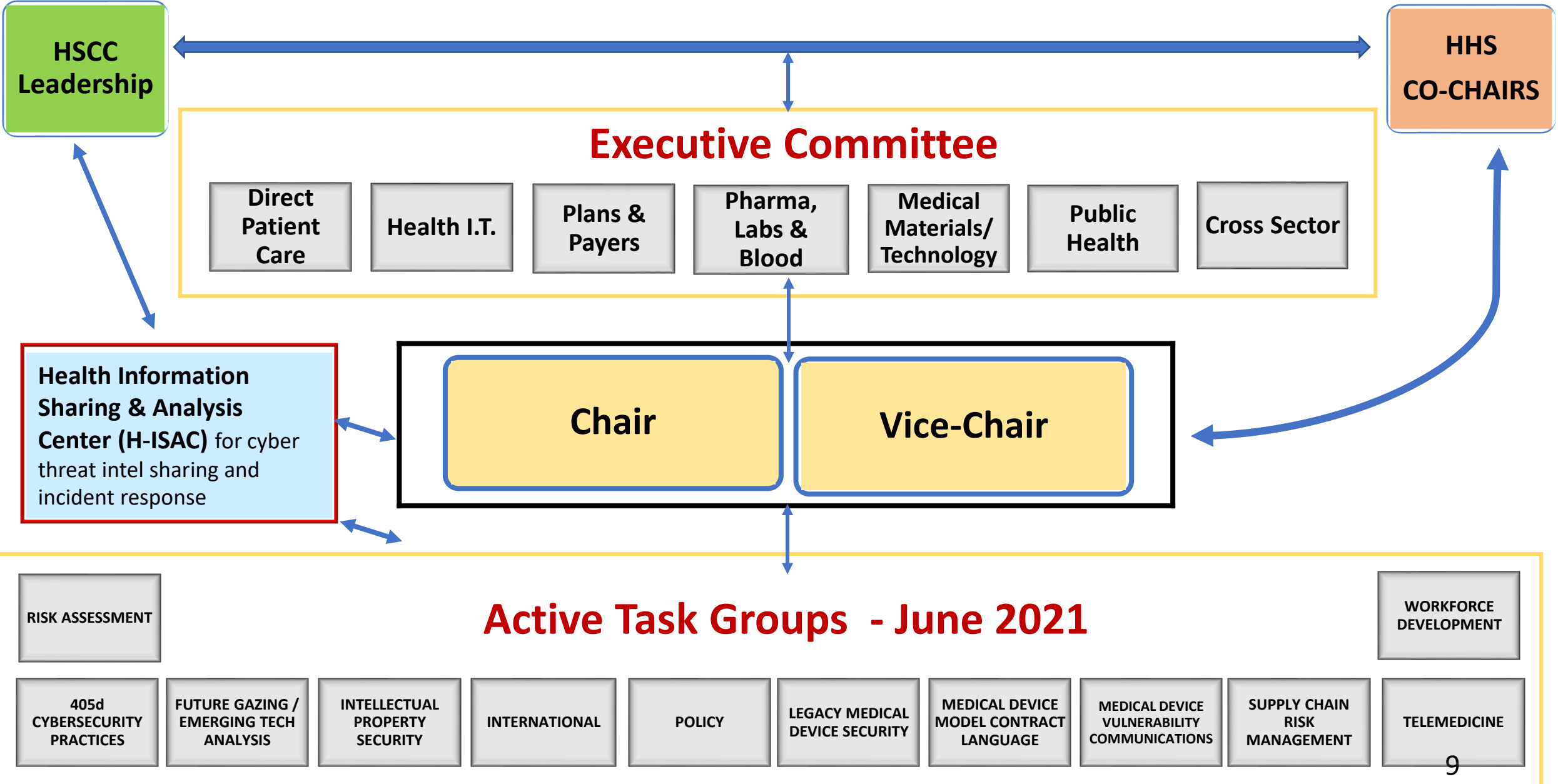
Q2 2021 Report

View and Download Statistics of HSCC Recommendations

*all downloads based on May 2019 installation of download plugin**



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



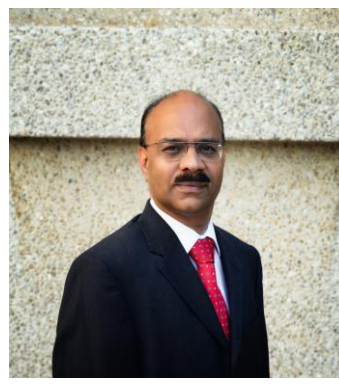
Marilyn Zigmund Luke, Vice
President, Special Projects
America's Health Insurance
Plans



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

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

Julie Chua

Director, GRC Division

HHS Office of the Chief Information Officer

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

Task Group Status as of June 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

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</p> <p>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</p> <p>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>

Deliverables on Deck

- **Health Industry NIST Cybersecurity Framework Implementation Guide – Expected Q2**
- **Legacy Medical Device Cybersecurity Management Guide – Expected Late Q2**
- **Medical Device Model Cybersecurity Contract Language – Expected Late Q2**
- **White Paper on Artificial Intelligence Applications and Cyber Risks in Healthcare – Expected Q4**

2020 CWG Strategic Plans & Measures

- Strengthened “culture of leadership” in CWG:
 - EC leadership routinely identifying and recruiting new leaders within membership
- Expanded cross-sector representation of largest subsector stakeholders
- Increased membership and participation of senior executive decision-makers
- Task Group work products distributed and endorsed by relevant national industry associations; adopted by market movers
- Collaborative mechanisms for measuring adoption, implementation and results across relevant subsectors

Leadership Measures

- Increased demand (exceeding supply) for Chairs/Execcom/TG leadership roles
- Formation of plan for 2020 CEO Council
- Increase “proactive thinking” and organizational in-kind contributions
- Average 50% attendance in TG workstreams
- Two member contributions to website per month
- Increased traffic on webchat platform

Representation Measures

- Subsector representation each at 85% of market (metric to be defined)
- % of member representative titles at VP or above / % increase of that figure over 2018

Implementation Measures

- At least the 2 largest associations by membership per subsector distributing/endorsing relevant work products with follow-up monitoring and measuring plan.

HEALTH SECTOR COORDINATING COUNCIL

Joint Cybersecurity Working Group

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