HSCC Joint Cybersecurity Working Group
Q2 2020 Progress Report

July 1, 2020

Healthcare & Public Health Sector Coordinating Councils
PUBLIC PRIVATE PARTNERSHIP

Chairman's Forward

Terry Rice
Industry Co-Chair
HSCC Joint Cybersecurity
Working Group

When the first signs appeared toward the end of March that our economic and business rhythms, our routines and priorities, and our very national and personal lives were going to be fundamentally and radically altered by the onset of the novel Coronavirus and our response to it, I assumed – and prepared for - a significant retrenchment of the Council's activities and progress for the forseeable future. It turns out that I was, to a considerable extent, happily wrong.

While some of our Task Groups did indeed suspend activity initially so that members could focus on the exigencies of COVID-19 response, others kept their focus and cadence. In the second quarter of 2020, we published three best practices guides and launched heavily attended and complex task groups - on medical device cybersecurity contract language; legacy device security management and replacement; and vulnerability communications standardization. We held informative webinars with international and academic cybersecurity partners. And we added 17 new member organizations since April 1, bringing the total voting organizational membership to 250, plus 44 very helpful Advisor firms and 14 government agencies.

The lesson to be learned from this level of energy and focus during our national emergency is that our public health posture, in steady state and in crisis, is a confluence of many complex and interdependent interactions - including the integrity of our data and technology systems - that the public depends upon for our national health and safety. We learned that even in the worst of times, cyber adversaries will continue to disrupt and exploit our health infrastructure for immoral advantage. This lays bare the intensified responsibility of everyone in this Cybersecurity Working Group and the broader healthcare cyber community to continually strengthen our cyber defenses and response, to inoculate our health system from cyber attack, so that our front line healthcare providers can do their jobs treating the sick.

I am grateful to all of you for your commitment to protecting the tools, the data, and the IT systems that support our health providers and a well-functioning healthcare infrastructure. Keeping in mind our mantra that patient safety requires cyber safety, we should always be motivated by the recognition that we are never done, only better.

Meeting the Challenge

Q2 2020 Guidance Publications

- **Health Sector Return-to-Work (R2W) Guidance - June 6, 2020**

- **Health Industry Cybersecurity Tactical Crisis Response Guide (HIC-TCR) - May 18, 2020**

- **Health Industry Cybersecurity Protection of Innovation Capital (HIC-PIC) - May 14, 2020**

HSCC JOINT CYBERSECURITY WORKING GROUP
Addressing the Health Care Industry Cybersecurity Task Force Recommendations

HCIC IMPERATIVES	JCWG DELIVERABLES	DATE DELIVERED
1. **Define and streamline leadership, governance, and expectations for healthcare industry cybersecurity**	• Health Industry Cybersecurity Practices (HICP) • CWG letters to HHS in 2018 (Oct. 26 -OIG and August 28-CMS) calling for Stark rule waiver to allow cyber assistance accepted in HHS proposed rule	December 28, 2018 October 9, 2019
2. **Increase the security and resilience of medical devices and health IT**	• Health Industry Cybersecurity Practices (HICP) • Management Checklist for Teleworking Surge During COVID-19 Response • Medical Device and Health I.T. Joint Security Plan (JSP) • Health Industry Cybersecurity Supply Chain Risk Management Guide (HIC-SCRiM)	December 28,2018 March 9, 2020 January 28, 2019 October 15, 2019
3. **Develop the healthcare workforce capacity necessary to prioritize and ensure cybersecurity awareness and technical capabilities**	• Health Industry Cybersecurity Workforce Development Guide (HIC-Workforce)	June 17, 2019

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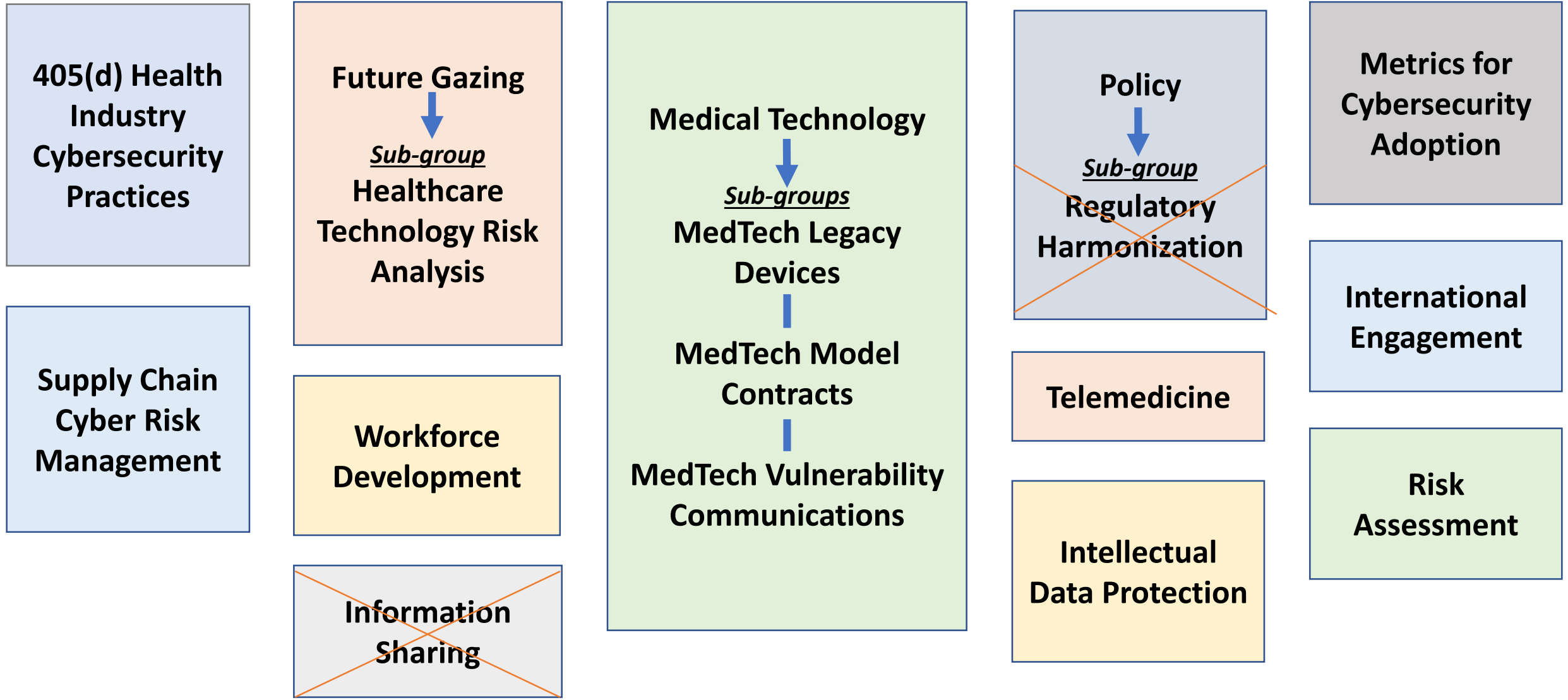| HCIC IMPERATIVES	JCWG DELIVERABLES	DATE DELIVERED
4. Increase healthcare industry readiness through improved cybersecurity awareness and education	• Health Sector Return to Work Guidance • Health Industry Cybersecurity Tactical Crisis Response Guide • HICP, HIC Workforce, HIC-MISO, JSP, HIC-SCRiM • HSCC Multimedia Promotions for National Cyber Security Awareness Month (blogs, podcast, webinars) • FDA Patient Engagement Advisory Committee	June 2020 May 2020 2019 October 2019 September 10, 2019
5. Identify mechanisms to protect R&D efforts and intellectual property from attacks and exposure	• Health Industry Cybersecurity Intellectual Property Protection Guide	May 2020
6. Improve information sharing of industry threats, risks, and mitigations	• 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)	June 2020 May 2020 March 11 2020 September 9, 2019

- **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**
  - Resuming activity in Q3 following COVID-19 suspension

- **HEALTH TECHNOLOGY RISK ANALYSIS**
  - Resuming activity in Q3 following COVID-19 suspension

- **INFORMATION SHARING**
  - **Disbanded May 2020 after completing deliverables**

- **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

- **MEDICAL TECHNOLOGY - Original JSP Task Group in oversight role for sub-Task Groups:**
  - **LEGACY DEVICES**
    - Ongoing
  - **MODEL CONTRACTS**
    - Ongoing
  - **VULNERABILITY COMMUNICATIONS**
    - Ongoing

- **CYBERSECURITY METRICS**
  - Task Group launch pending

- **POLICY**
  - Activates as needed for policy proposals and response

- **REGULATORY HARMONIZATION**
  - **Disbanded June 2020; may reengage with future HHS effort at cyber regulatory review**

- **RISK ASSESSMENT**
  - Finalizing NIST Cyber Framework Implementation guide

- **SUPPLY CHAIN**
  - Finalizing update to HIC-SCRiM for publication late Summer

- **TELEMEDICINE**
  - Resuming activity in Q3 following COVID-19 suspension

- **WORKFORCE DEVELOPMENT**
  - Suspended due to COVID-19 response

Knowledge Sharing Activities

- June 17 - Introduced new HSCC CWG Sharepoint collaboration platform to general membership after soft-launch to Executive Committee and Task Group Leads for beta test

- May 20 – Hosted briefing on Russian Cybersecurity Threats, featuring Dr. Khatuna Mshvidobadze, Professorial Lecturer of Cybersecurity at The George Washington University and Adjunct Professor of Cybersecurity at Utica College, NY

- April 10 - Hosted Briefing on COVID-19 Exeperiences and Lessons Learned at Northwell Health, featuring Dr. Mark Jarrett April 10

- April 22 - Hosted webinar briefing by Israel National Cybersecurity Directorate on public-private cybersecurity partnerships in Israel

Knowledge Sharing Activities (*cont'd*)

Ongoing HHS 405(d) Program Releases:

- Vol IV of the 405(d) Post featuring TG member Ido Geffen's "How MDS2 Data Can Inform Smarter Medical Device Workflows"

- Series of new cybersecurity awareness products in conjunction with Patient Safety Awareness Week

- Fact Sheet and Resource Guide on "Have You Heard About Ransomware"

- HICP Quick Start Guides for Small, Medium, and Large Organizations and HICP Threat Mitigation Matrix

Membership and Leadership

Healthcare & Public Health
Sector Coordinating Councils
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HEALTH SECTOR COORDINATING COUNCIL
JOINT CYBERSECURITY WORKING GROUP
Q2 2020 Report

CWG Membership by the Numbers

As of June 30, 2020

- 250 voting organizational members, including

    - 37 industry association members

- 44 non-voting advisor companies

- Q2 2020 increase from 233 to 250 voting members

- Government organizations include 8 federal agencies, 2 state agencies, 2 city agencies, and 2 Canadian

- Total representing personnel: 578

Healthcare & Public Health
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Organizational Membership Subsector Distribution

- Direct Patient Care: **43.51%**

- Health Information Technology: **9.42%**

- Health Plans and Payers: **5.19%**

- Mass fatality and Management Services: **0**

- Medical Materials: **12.01%**

- Laboratories, Blood, Pharmaceuticals: **4.87%**

- Public Health: **3.25%**

- Cross-sector: **2.92%**

- Government (Fed, State, County, Local): **4.55%**

- Non-Voting Advisors: **14.29%**

Webpage Metrics, Social Media, and Press Foot-Print

Webpage Views

Total Page Views

- 14,530
- **23.2% Decrease from Q1 2020**

Unique Page Views

- 13,043
- **20.9% Decrease from Q2 2020**

Social Media Followers (since account opening October 2018)

- LinkedIn: 285 *30.1% increase from Q1 2020*
- Twitter: 91 *10.9% increase from Q1 2020*
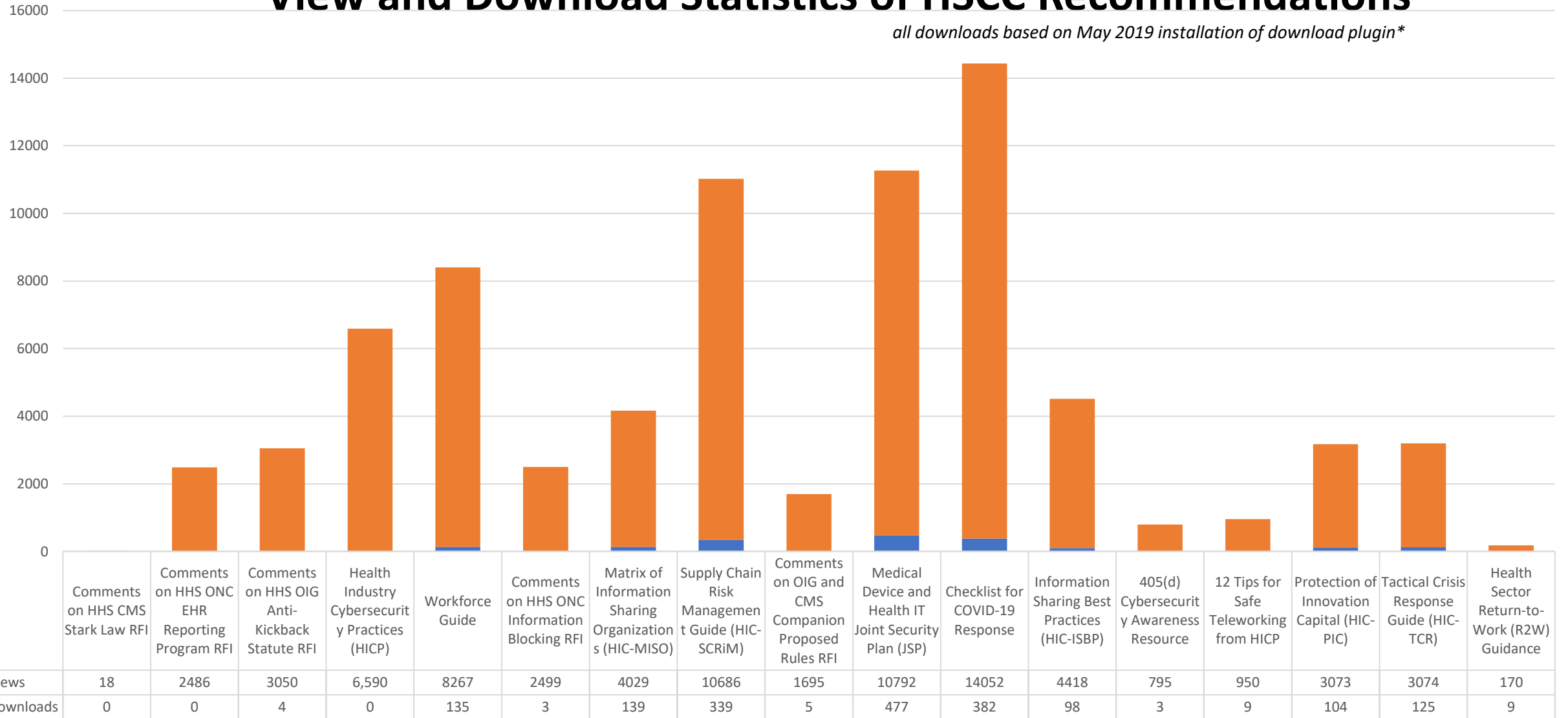
Press Mentions

- 7 Press Mentions in Q2 2020

Healthcare & Public Health Sector Coordinating Councils
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View and Download Statistics of HSCC Recommendations

all downloads based on May 2019 installation of download plugin*

	Comments on HHS CMS Stark Law RFI	Comments on HHS ONC EHR Reporting Program RFI	Comments on HHS OIG Anti-Kickback Statute RFI	Health Industry Cybersecurity Practices (HICP)	Workforce Guide	Comments on HHS ONC Information Blocking RFI	Matrix of Information Sharing Organizations (HIC-MISO)	Supply Chain Risk Management Guide (HIC-SCRiM)	Comments on OIG and CMS Companion Proposed Rules RFI	Medical Device and Health IT Joint Security Plan (JSP)	Checklist for COVID-19 Response	Information Sharing Best Practices (HIC-ISBP)	405(d) Cybersecurity Awareness Resource	12 Tips for Safe Teleworking from HICP	Protection of Innovation Capital (HIC-PIC)	Tactical Crisis Response Guide (HIC-TCR)	Health Sector Return-to-Work (R2W) Guidance
Views	18	2486	3050	6,590	8267	2499	4029	10686	1695	10792	14052	4418	795	950	3073	3074	170
Downloads	0	0	4	0	135	3	139	339	5	477	382	98	3	9	104	125	9

HEALTH SECTOR COORDINATING COUNCIL
CYBERSECURITY WORKING GROUP EXECUTIVE COMMITTEE
Q2 2020 Report

NAME	AFFILIATION	ROLE	SUBSECTOR	END OF TERM
CHAIR: TERRY RICE	MERCK & CO.	CISO	PHARMA, LABS & BLOOD	DECEMBER 2020
VICE CHAIR: THERESA MEADOWS	COOK CHILDREN'S HEALTH CARE SYSTEM	CIO	DIRECT PATIENT CARE	DECEMBER 2020

DIRECT PATIENT CARE			
NAME	AFFILIATION	ROLE	END OF TERM
ERIK DECKER	UNIVERSITY OF CHICAGO MEDICAL CENTER	CHIEF INFORMATION SECURITY & PRIVACY OFFICER	DECEMBER 2021
THERESA MEADOWS	COOK CHILDREN'S HEALTHCARE SYSTEM	SENIOR VICE PRESIDENT AND CHIEF INFORMATION OFFICER	DECEMBER 2020

HEALTH INFORMATION TECHNOLOGY			
NAME	AFFILIATION	ROLE	END OF TERM
TOM LEARY	HEALTHCARE INFORMATION & MANAGEMENT SYSTEMS SOCIETY (HIMSS)	VICE PRESIDENT, GOVERNMENT RELATIONS	DECEMBER 2020

HEALTH PLANS AND PAYERS			
NAME	AFFILIATION	ROLE	END OF TERM
MARILYN ZIGMUND LUKE	AMERICA'S HEALTH INSURANCE PLANS	VICE PRESIDENT	DECEMBER 2022

MEDICAL MATERIALS			
NAME	**AFFILIATION**	**ROLE**	**END OF TERM**
MICHAEL MCNEIL	MCKESSON	SVP & CHIEF INFORMATION SECURITY OFFICER	DECEMBER 2022
PHARMACEUTICALS, LABS AND BLOOD			
NAME	**AFFILIATION**	**ROLE**	**END OF TERM**
GREG BARNES	AMGEN	CHIEF INFORMATION SECURITY OFFICER	DECEMBER 2021
PUBLIC HEALTH			
NAME	**AFFILIATION**	**ROLE**	**END OF TERM**
SRI BHARADWAJ	FRANCISCAN HEALTH	VICE PRESIDENT, DIGITAL INNOVATION	DECEMBER 2020
CROSS SECTOR			
NAME	**AFFILIATION**	**ROLE**	**END OF TERM**
DENISE ANDERSON	HEALTH ISAC	PRESIDENT	DECEMBER 2021
AT-LARGE			
NAME	**AFFILIATION**	**ROLE**	**END OF TERM**
MARK JARRETT	NORTHWELL HEALTH	CHIEF QUALITY OFFICER, SENIOR VICE PRESIDENT & ASSOCIATE CHIEF MEDICAL OFFICER	DECEMBER 2022

Suzanne Schwartz

Deputy Director (& Acting Director)
Office of Strategic Partnerships & Technology Innovation (OST)
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Security, Intel, and Information Management Division
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Joint Cybersecurity Working Group

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