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 foreseeable 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
<table>
<thead>
<tr>
<th>HCIC IMPERATIVES</th>
<th>JCWG DELIVERABLES</th>
<th>DATE DELIVERED</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Define and streamline leadership, governance, and expectations for healthcare industry cybersecurity</td>
<td>• Health Industry Cybersecurity Practices (HICP)</td>
<td>December 28, 2018</td>
</tr>
<tr>
<td></td>
<td>• 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</td>
<td>October 9, 2019</td>
</tr>
<tr>
<td>2. Increase the security and resilience of medical devices and health IT</td>
<td>• Health Industry Cybersecurity Practices (HICP)</td>
<td>December 28, 2018</td>
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<td></td>
<td>• Management Checklist for Teleworking Surge During COVID-19 Response</td>
<td>March 9, 2020</td>
</tr>
<tr>
<td></td>
<td>• Medical Device and Health I.T. Joint Security Plan (JSP)</td>
<td>January 28, 2019</td>
</tr>
<tr>
<td></td>
<td>• Health Industry Cybersecurity Supply Chain Risk Management Guide (HIC-SCRiM)</td>
<td>October 15, 2019</td>
</tr>
<tr>
<td>3. Develop the healthcare workforce capacity necessary to prioritize and ensure cybersecurity awareness and technical capabilities</td>
<td>• Health Industry Cybersecurity Workforce Development Guide (HIC-Workforce)</td>
<td>June 17, 2019</td>
</tr>
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</table>
| 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  
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 |
HEALTH SECTOR COORDINATING COUNCIL
JOINT CYBERSECURITY WORKING GROUP
Q2 2020 Report – Task Group Status as of July 1

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

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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 Experiences 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
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
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
View and Download Statistics of HSCC Recommendations

all downloads based on May 2019 installation of download plugin*
HEALTH SECTOR COORDINATING COUNCIL  
CYBERSECURITY WORKING GROUP EXECUTIVE COMMITTEE  
Q2 2020 Report

<table>
<thead>
<tr>
<th>NAME</th>
<th>AFFILIATION</th>
<th>ROLE</th>
<th>SUBSECTOR</th>
<th>END OF TERM</th>
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<tbody>
<tr>
<td>CHAIR: TERRY RICE</td>
<td>MERCK &amp; CO.</td>
<td>CISO</td>
<td>PHARMA, LABS &amp; BLOOD</td>
<td>DECEMBER 2020</td>
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<tr>
<td>VICE CHAIR: THERESA MEADOWS</td>
<td>COOK CHILDREN’S HEALTH CARE SYSTEM</td>
<td>CIO</td>
<td>DIRECT PATIENT CARE</td>
<td>DECEMBER 2020</td>
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**DIRECT PATIENT CARE**

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<tr>
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<tbody>
<tr>
<td>ERIK DECKER</td>
<td>UNIVERSITY OF CHICAGO MEDICAL CENTER</td>
<td>CHIEF INFORMATION SECURITY &amp; PRIVACY OFFICER</td>
<td>DECEMBER 2021</td>
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<tr>
<td>THERESA MEADOWS</td>
<td>COOK CHILDREN’S HEALTHCARE SYSTEM</td>
<td>SENIOR VICE PRESIDENT AND CHIEF INFORMATION OFFICER</td>
<td>DECEMBER 2020</td>
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**HEALTH INFORMATION TECHNOLOGY**

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<tbody>
<tr>
<td>TOM LEARY</td>
<td>HEALTHCARE INFORMATION &amp; MANAGEMENT SYSTEMS SOCIETY (HIMSS)</td>
<td>VICE PRESIDENT, GOVERNMENT RELATIONS</td>
<td>DECEMBER 2020</td>
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**HEALTH PLANS AND PAYERS**

<table>
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<tr>
<td>MARILYN ZIGMUND LUKE</td>
<td>AMERICA’S HEALTH INSURANCE PLANS</td>
<td>VICE PRESIDENT</td>
<td>DECEMBER 2022</td>
</tr>
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<tr>
<td>MICHAEL MCNEIL</td>
<td>MCKESSON</td>
<td>SVP &amp; CHIEF INFORMATION SECURITY OFFICER</td>
<td>DECEMBER 2022</td>
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<tr>
<td>GREG BARNES</td>
<td>AMGEN</td>
<td>CHIEF INFORMATION SECURITY OFFICER</td>
<td>DECEMBER 2021</td>
</tr>
<tr>
<td>SRI BHARADWAJ</td>
<td>FRANCISCAN HEALTH</td>
<td>VICE PRESIDENT, DIGITAL INNOVATION</td>
<td>DECEMBER 2020</td>
</tr>
<tr>
<td>DENISE ANDERSON</td>
<td>HEALTH ISAC</td>
<td>PRESIDENT</td>
<td>DECEMBER 2021</td>
</tr>
<tr>
<td>MARK JARRETT</td>
<td>NORTHWELL HEALTH</td>
<td>CHIEF QUALITY OFFICER, SENIOR VICE PRESIDENT &amp; ASSOCIATE CHIEF MEDICAL OFFICER</td>
<td>DECEMBER 2022</td>
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</table>
Suzanne Schwartz
Deputy Director (& Acting Director)
Office of Strategic Partnerships & Technology Innovation (OST)
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, Governance, Risk, Compliance (GRC)
HHS Office of the Chief Information Officer
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Joint Cybersecurity Working Group

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