Meeting the Challenge
Q1 2020 Guidance Publications

• Health Industry Cybersecurity Information Sharing Best Practices (HIC-ISBP) – March 11, 2020
• Management Checklist for Teleworking Surge During COVID-19 Response – March 9, 2021

Guidance Publications Pending by End of April

• Protection of Innovation Capital
• Tactical Crisis Response Checklist for COVID-Related Cyber Threats
Knowledge Sharing Activities

- Rolled out new HSCC CWG Sharepoint collaboration platform to Executive Committee and Task Group Leads for beta test; final rollout to general membership Q2
- Webinar on Information Sharing Best Practices Guidance Publication – March 27
- Presentation on HSCC CWG structure and governance to Government Coordinating Council Monthly Meeting – March 26
- Webinar with Communications Sector Coordinating Council on Resiliency of Telecommunications Infrastructure Under COVID Surge Capacity - March 20
- Webinar on Supply Chain Security Risk Management (HIC-SCRiM) Guide – March 2
- Participation in H-ISAC Hobby Cyber Exercise- February 12
- Town Hall Presentation to Greater New York Hospital Association, New York City - January 30
Knowledge Sharing Activities (cont’d)

• Briefing for House Homeland Security Subcommittee on Critical Infrastructure Protection & Innovation - January 28
• The HHS 405(d) Program released Vol IV of the 405(d) Post which featured TG member Ido Geffen’s “How MDS2 Data Can Inform Smarter Medical Device Workflows”
• The HHS 405(d) Program released a series of new cybersecurity awareness products in conjunction with Patient Safety Awareness Week
• The HHS 405(d) Program released Have You Heard About Ransomware Fact Sheet and Resource Guide
• The 405(d) Task Group released HICP Quick Start Guides for Small, Medium, and Large Organizations and HICP Threat Mitigation Matrix
February 5 Executive Committee Actions

Established 4 New Task Groups

1. Legacy Medical Technology Management and Retirement
   
   **Objective:** Develop business solutions, best practices, incentives, and policies for end of product support and replacement of legacy medical devices.

   **Co-Chairs:**
   - **MDM:** Elekta; Ramakrishnan Pillai, Digital Product Security Officer
   - **HDO:** Christiana Health Care; Mike Powers, Clinical Engineering Quality Manager
   - **GCC:** FDA; Jessica Wilkerson

2. MedTech Vulnerability Communications Coordination

   **Objective:** Develop standardized protocols for medical device cybersecurity vulnerability communications among stakeholders

   **Co-Chairs:**
   - **MDM:** Abbott; Chris Tyberg, Division VP, Information Security
   - **HDO:** Fresenius Medical Care; Abhishek Agarwal, CISO
   - **GCC:** FDA; Aftin Ross
February 5 Executive Committee Actions (cont’d)

Established 4 New Task Groups (continued)

3. Model MDM/HDO Procurement Contract Cybersecurity Language
   **Objective:** Develop model cybersecurity contract language for medical device procurements and servicing
   **Co-Chairs:**
   - **HDO:** Mayo Clinic; Michelle Bentley, Manager, Security Resilience
   - **MDM:** Siemens Healthineers; Jim Jacobson, Chief Product and Solution Security Officer
   - **GPO:** Premier; Jason Ferri, Senior Director Strategic Supplier Engagement

4. Cyber Practices Uptake Metrics
   **Objective:** Measure industry adoption of HSCC CWG published best practices and other cybersecurity references such as NIST Cybersecurity Framework
   **Co-Chairs**
   - **HDO:** Northwell Health, Mark Jarrett
   - **GCC:** HHS ASPR: Bob Bastani
February 5 Executive Committee Actions

Closed 5 Incumbent Task Groups Due to Redirected Priorities

- Cross Sector
- Exercises
- Incident Response
- Marketing
- Security Clearances
HSCC JOINT CYBERSECURITY WORKING GROUP 2020
2020 TASK GROUPS

405(d) Health Industry Cybersecurity Practices

Future Gazing
Sub-group Healthcare Technology Risk Analysis

Medical Technology
Sub-groups
MedTech Legacy Devices
MedTech Model Contracts
MedTech Vulnerability Communications

Policy
Sub-group Regulatory Harmonization

Supply Chain Cyber Risk Management

Workforce Development

Information Sharing

International Engagement

Metrics for Cybersecurity Adoption

Intellectual Data Protection

Risk Assessment

Telemedicine
### HCIC IMPERATIVES

<table>
<thead>
<tr>
<th>HCIC IMPERATIVES</th>
<th>JCWG DELIVERABLES</th>
<th>DATE DELIVERED</th>
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</table>
| **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 Aug 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 |
| **4. Increase healthcare industry readiness through improved cybersecurity awareness and education** | • 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 | 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 | Spring 2020 |
| **6. Improve information sharing of industry threats, risks, and mitigations**   | • Health Industry Cybersecurity Information Sharing Best Practices  
• Health Industry Cybersecurity Matrix of Information Sharing Organizations (HIC-MISO) | 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
  • Leading Ad-Hoc Task Group on Crisis Response Checklist

• FUTURE GAZING
  • Suspended due to COVID-19 response

• HEALTH TECHNOLOGY RISK ANALYSIS
  • Suspended due to COVID-19 response

• INFORMATION SHARING
  • Published, and hosted webinar on, HIC-ISBP

• IP DATA PROTECTION
  • Finalizing innovation capital protection best practices guide

• INTERNATIONAL
  • Hosting webinars on health-cyber international coordination
  • Suspended due to COVID-19 response

• MEDICAL TECHNOLOGY - Original JSP Task Group in oversight role for sub-Task Groups:
  • LEGACY DEVICES
    • First meeting held on March 24th; scoping in progress
  • MODEL CONTRACTS
    • First meeting held on March 25th; scoping in progress
  • VULNERABILITY COMMUNICATIONS
    • Kick off meeting scheduled for April 9th

• CYBERSECURITY METRICS
  • Kick off pending

• POLICY
  • Activates as needed for policy proposals and response

• REGULATORY HARMONIZATION
  • Modifying scope toward audit documentation harmonization

• RISK ASSESSMENT
  • Finalizing NIST Cyber Framework Implementation guide

• SUPPLY CHAIN
  • Developing update to HIC-SCRiM

• TELEMEDICINE
  • Suspended due to COVID-19 response

• WORKFORCE DEVELOPMENT
  • Developing cybersecurity curriculum for health schools
  • Map health cyber workforce requirements to National Initiative for Cybersecurity Education (NICE) Framework
  • Suspended due to COVID-19 response

• Executive Committee disbanded TGs below
  • Security Clearances
  • Cross Sector
  • Marketing
  • Incident Response
  • Exercises
Membership and Leadership
CWG Membership by the Numbers

As of April 1, 2020

- 227 voting organizational members
- Q1 2020 increase from 221 to 227 voting members
- 36 non-voting advisor companies
- 39 industry association members
- Government organizations include 8 federal agencies, 2 state agencies, 2 city agencies, and 2 Canadian
- Total representing personnel: 544
2020 Organizational Membership Subsector Distribution

- Direct Patient Care: 44.25%
- Health Information Technology: 9.76%
- Health Plans and Payers: 5.92%
- Mass fatality and Management Services: 0
- Medical Materials: 11.50%
- Laboratories, Blood, Pharmaceuticals: 5.23%
- Public Health: 3.48%
- Cross-sector: 1.74%
- Government (Fed, State, County, Local): 4.88%
- Non-Voting Advisors: 13.24%
Q1 2020 Webpage Metrics, Social Media, and Press Foot-Print

**Webpage Views**

*Total Page Views*
- 19,700
- **86.6% Increase from Q4 2019**

*Unique Page Views*
- 16,506
- **73.4% Increase from Q4 2019**

**Social Media Followers** (since account opening October 2018)
- LinkedIn: 219
- Twitter: 82

**Press Mentions**
- 14 Press Mentions in Q1 2020.
# HSCC JOINT CYBERSECURITY WORKING GROUP
## 2020 Executive Committee

<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:</td>
<td>TERRY RICE</td>
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<td></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:</td>
<td>THERESA MEADOWS</td>
<td>CIO</td>
<td>DIRECT PATIENT CARE</td>
<td>DECEMBER 2020</td>
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<td>COOK CHILDREN’S HEALTH CARE SYSTEM</td>
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### DIRECT PATIENT CARE

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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>
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### HEALTH INFORMATION TECHNOLOGY

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<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

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<tr>
<td>MARILYN ZIGMUND LUKE</td>
<td>AMERICA’S HEALTH INSURANCE PLANS</td>
<td>VICE PRESIDENT</td>
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### MEDICAL MATERIALS

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<tr>
<td>MICHAEL MCNEIL</td>
<td>PHILIPS</td>
<td>HEAD OF PRODUCT SECURITY &amp; SERVICES OFFICE</td>
<td>DECEMBER 2022</td>
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## PHARMACEUTICALS, LABS AND BLOOD

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<tbody>
<tr>
<td>GREG BARNES</td>
<td>AMGEN</td>
<td>CHIEF INFORMATION SECURITY OFFICER</td>
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## PUBLIC HEALTH

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<tr>
<td>SRI BHARADWAJ</td>
<td>UC IRVINE HEALTH</td>
<td>CHIEF INFORMATION SECURITY OFFICER</td>
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## CROSS SECTOR

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<tr>
<td>DENISE ANDERSON</td>
<td>HEALTH ISAC</td>
<td>PRESIDENT</td>
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## AT-LARGE

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<tr>
<td>MARK JARRETT</td>
<td>NORTHWELL HEALTH</td>
<td>CHIEF QUALITY OFFICER, SENIOR VICE PRESIDENT &amp; DEPUTY CHIEF MEDICAL OFFICER</td>
<td>DECEMBER 2022</td>
</tr>
</tbody>
</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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