MDIC
MEDICAL DEVICE INNOVATION CONSORTIUM

MEDICAL DEVICE CYBERSECURITY

Rapidly evolving technology has revolutionized the quality of healthcare with interconnected devices one of the leading advancements. The connectivity these devices provide, although beneficial in capturing data, can increase cybersecurity risks. To protect patients from these risks, the medical device ecosystem has a shared responsibility to ensure the security of devices, diagnostics, healthcare services, and platforms. Those in this shared area of risk are working collaboratively to comprehensively address cybersecurity vulnerabilities and threats. Recent medical device regulatory guidance from the U.S. Food and Drug Administration and its global counterparts confirms the need to tackle cybersecurity concerns with multipronged approaches.

MDIC's cybersecurity program, through multiple, collaborative initiatives, focuses on pre-market and post-market strategies relevant to medical device cybersecurity risk management.

MDIC Cybersecurity Projects

- MedTech Cybersecurity Maturity Benchmarking
- Penetration Testing for Medical Devices
- Threat Modeling
- Coordinated Vulnerability Disclosure

MDIC member organizations have multiple opportunities to engage in various cybersecurity working groups or projects. These projects are governed by the MDIC Cybersecurity Steering Committee, which comprises global thought leaders from the industry as well as regulatory bodies like US FDA.

Current chair of steering committee: Rob Suarez, Vice President & Chief Information Security Officer, BD

Medical Device Cybersecurity Resources from MDIC

- Playbook for Threat Modeling Medical Devices
- Advancing Coordinated Vulnerability Disclosure (CVD): MDIC Medical Device Cybersecurity Report
- MDIC Medical Device Cybersecurity Maturity: Industry Benchmarking Report and Tool
- Training Program: Medical Device Threat Modeling Bootcamps

ABOUT MDIC

The Medical Device Innovation Consortium (MDIC) is a public-private partnership that brings together representatives of the FDA, NIH, CMS, NIST, and other agencies, industry, non-profits, and patient advocacy organizations to improve the processes for development, assessment, and review of new medical technologies.

MDIC coordinates the development of methods, tools, and resources used in managing the total product life cycle of a medical device to improve patient access to cutting-edge medical technology.

We are driving faster, safer, and more cost-effective innovation for patient benefit.

CONTACT

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