



Building a Successful Medical Device Security Program

Security + IT + HTM

Eric Ross

System Director Clinical Engineering
of M Health Fairview



Ben Stock

Director of Healthcare Product Development
at Ordr



David Yaeger

Biomed Security DBA
at ProHealth Care



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About the moderator



Kamecia Bruce | Acting Chief, Biomedical Engineering

Kamecia Bruce is currently Acting Chief Biomedical Engineer at the West Palm Beach VA Medical Center. She serves as Secretary of ACCE and graduated from Mississippi State University and the University of Rochester.

Logistics

- All attendees have their microphones muted during the presentation.
- Questions to the panelists must be submitted via the “Q&A” feature in Zoom at any time.
- If there is any urgent issue, please use the “chat” feature to communicate with the panelists.
- Please remember to complete the webinar evaluation after attending. A link will be provided at the end.

About the speaker



Benjamin Stock is the Director of Healthcare Product Management at Ordr. Previously, Ben worked as the Director of Clinical Equipment Systems and Project Support at SSM Health St. Louis, MO. With more than 15 years of experience in healthcare technology management, his wealth of knowledge in the Clinical Engineering space allows him to be a wonderful advocate for Ordr healthcare customers. Ben is also a Certified Biomedical Equipment Technician (CBET).



Benjamin Stock
currently serves as Director of Healthcare
Product Management at ORDR Inc.

About the speaker



Dave has 18 years' experience with Agfa Healthcare as a local Milwaukee service engineer working on CR equipment, printers and PACS. Dave worked at ProHealth Care as a PACS administrator for 10 years before moving to his current position of Biomed Security DBA, 3 years ago.

Dave is currently maintaining a cybersecurity program at ProHealth Care to identify medical devices attached to the network. This program is intended to accurately identify, profile and risk analyze these medical devices to watch for cyber vulnerabilities which will allow us to take steps to quickly mitigate any additional risks.



David Yaeger
Biomed Security DBA
at ProHealth Care

About the speaker



Currently, Eric is with M-Health Fairview as the System Director of Clinical Engineering. Over the past five years in this role, he has worked to integrate the medical device management model across a twelve-hospital system. By aligning policies, procedures, and practice, the previously independent service teams are working together as a system to deliver more efficient care of medical devices and achieve improved performance metrics aligned with industry benchmarks. The future holds ample opportunity to improve partnerships between internal M-Health Fairview service groups. Harmonization across divisions is intended to better align with new technologies as well as respond to today's customer expectations. The goal is to develop a medical device management operation that supports an excellent patient care experience.

ACCE – 2020-2021 Educational Webinar Series



Eric Ross
System Director Clinical
Engineering of M Health Fairview

Session Description

Healthcare organizations have continued to be impacted by the rise in connected devices on their networks and despite the healthcare technology management (HTM), cybersecurity, and information technology teams sharing some of the same objectives, many of the organizations still have barriers to reaching the common objective of medical device security. When it comes to developing a medical device security strategy it takes a village. Join Eric Ross, System Director Clinical Engineering of M Health Fairview, David Yaeger, Biomed Security DBA at ProHealth Care, and Ben Stock, Director of Healthcare Product Development at Ordr in a fireside chat on how to build a successful medical device security program.

The Healthcare Challenge: IoMT, OT and IoT

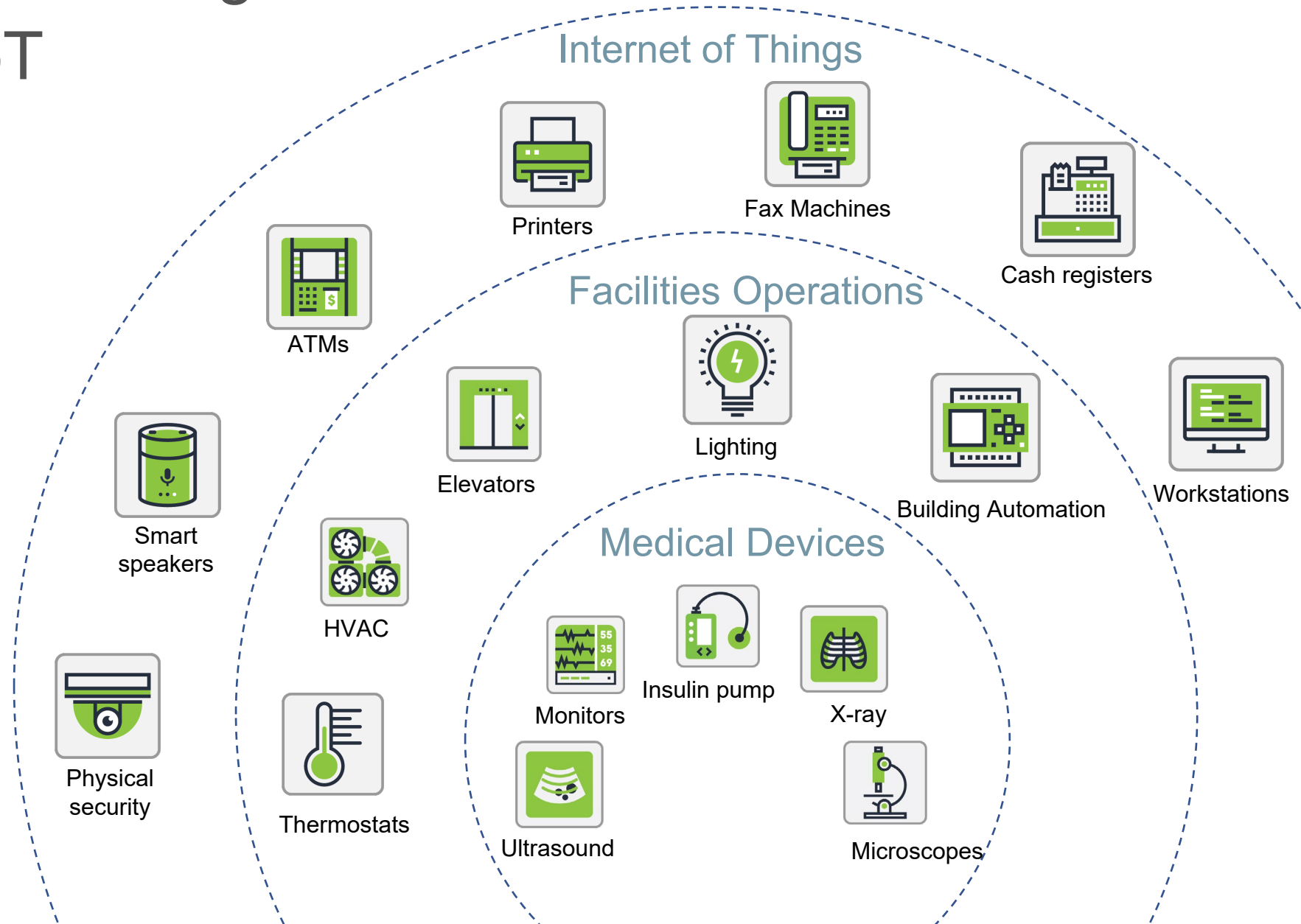
20,000 medical device manufacturers, resellers, and distributors

17 devices per hospital bed on average.

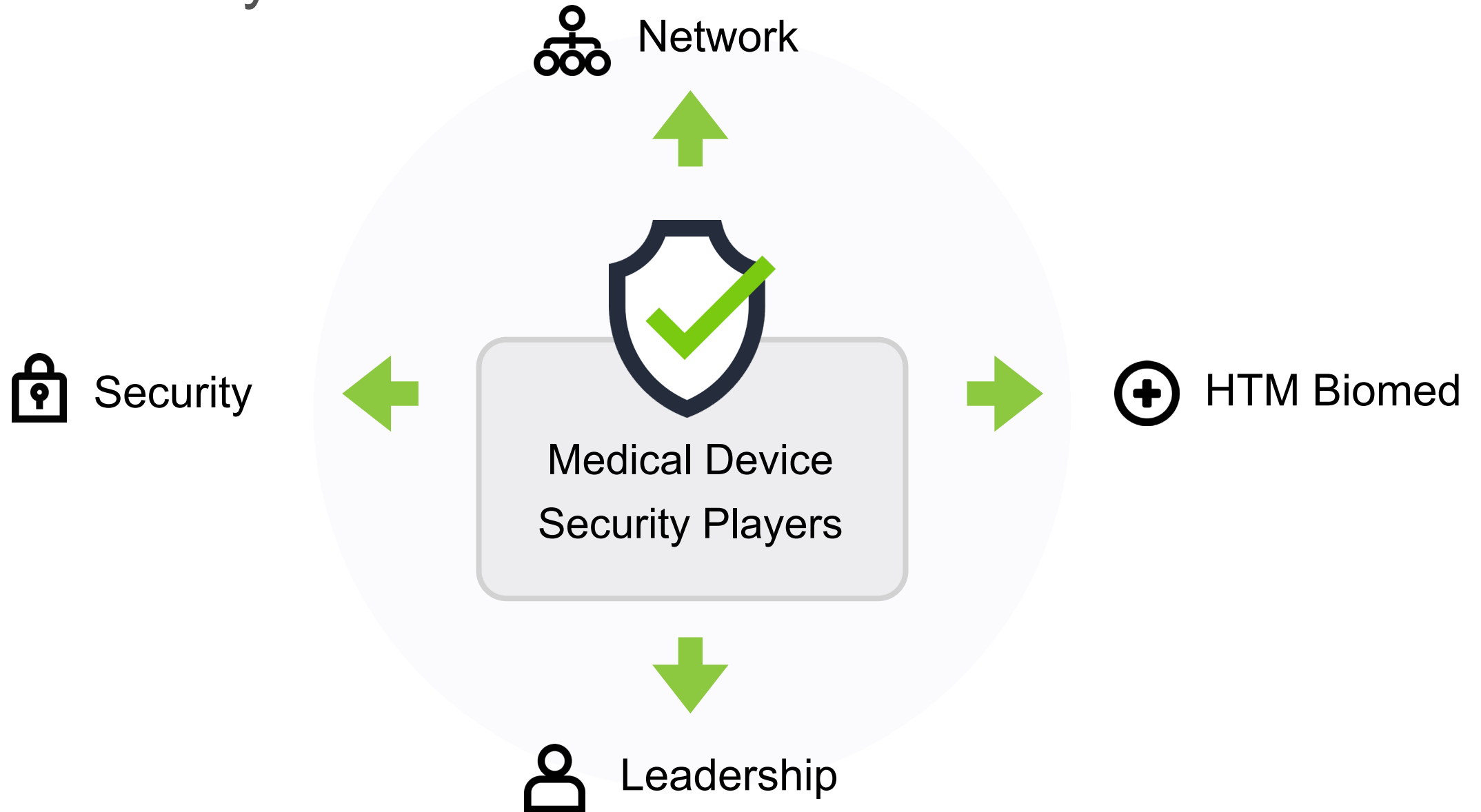
Thousands of unique legacy devices with old operating systems

Limited ability to patch, monitor and respond

Traditional cybersecurity capabilities are hard to apply



Know the Players



Teammate Challenges



Leadership

- Ensure all connected devices across the organization are secure
- Support finance procurement decisions with device utilization details



Security/IT

- Identify and secure all types of unmanaged IoT/IoMT devices
- Understand how each type of unmanaged device communicates on the network
- Build security policies to protect many types of vulnerable, unmanaged devices



Biomed

- Maintain a current list of all medical IoT devices (managed and unmanaged)
- Keep track of which medical devices have vulnerabilities or recalls
- Gain an understanding of how medical IoT devices are utilized

Introducing Ordr

ordr



AI-powered IoT security Platform
for visibility and security of all
unmanaged devices



IoT, IoMT, OT devices

What devices are connected in
my network?

Discover all devices

- Agentless, zero touch deployment
- Classify by make, model, serial number, location, O/S
- Vulnerabilities, exploits, FDA recalls
- Weak ciphers/certificates

What exactly are these
devices doing?

Profile behavior and risks

- Baseline communications
- Visualize via VLAN and network arch
- Anomalous and malicious behavior
- Understand utilization of devices, who logged in and accessed device

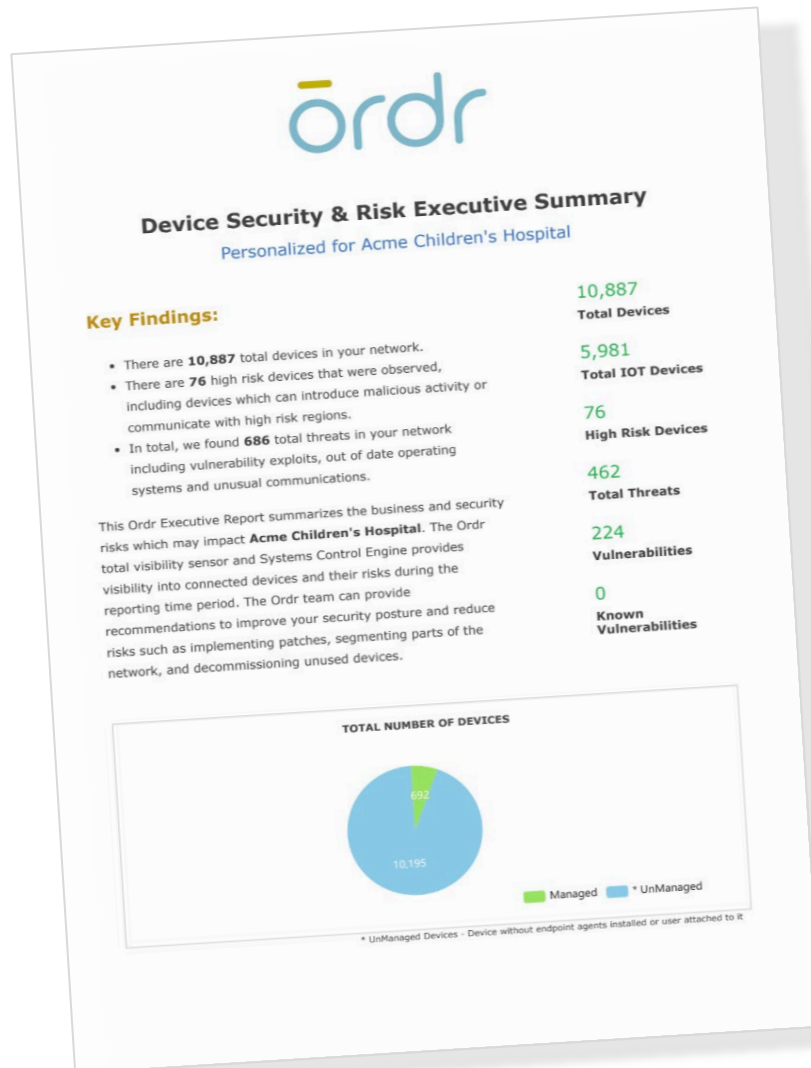
How do I secure devices at
scale?

Automate action

- Proactive segmentation and enforcement on NAC, FW, switches
- Trigger workflows for CMMS, CMDB
- Incident response segmentation for vulnerable devices

Existing Network and Security Ecosystem

Ordr IoT Discovery Platform



Sign up at www.ordr.net/sensor

How It Works:

1. Receive our free, lightweight, zero touch provisioning sensor
2. Deploy it in your network
3. Gain visibility into what devices are connected, what they are doing, and the risks they bring in minutes
4. Get an IoT Discovery Report at the conclusion of the program



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Volunteer opportunities	ACCE educational content
Complimentary educational webinar	Free access to IFMBE/Springer publications

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Thank You

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