Cynerio

Healthcare IoT Cybersecurity Platform
Secure. Faster.

Cynerio Preventative Risk Management

Securing Healthcare Environments

The past two decades have seen dramatic improvements in patient care, thanks in part to the adoption of connected IoT, IoMT and OT devices. Unfortunately, the increasingly connected healthcare footprint has introduced numerous cyber risks that have made ransomware and data breaches a daily concern for administrators.

Despite significant IT and Security efforts, many hospitals find themselves unable to improve protections at the same rate as attacks evolve. To address these challenges Cynerio has created a suite of Preventative Risk Management offerings based on best practices among industry leaders.
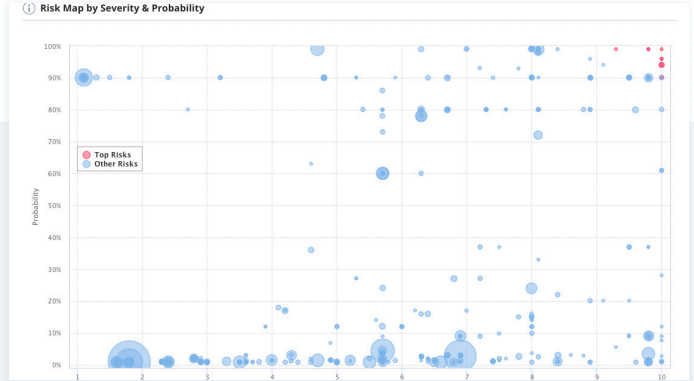

Achievable Risk Reduction

■ **Inventory and Visibility**
Comprehensive identification and analysis of all connected devices in a healthcare environment.

■ **Comprehensive Reporting**
Dynamic reporting provides clear, actionable insight for all team members, from CIOs to BioMeds.

■ **Microsegmentation**
Creation, testing and deployment of microsegmentation policies improves accuracy and significantly reduces staff time requirements.

■ **Network Mapping**
Passive analysis of network communication creates a real-time map of all devices, connections and traffic flows.

■ **IT Integration**
Fully supported integration for SIEM, SOAR, Firewall, NAC, RTLS and other common healthcare IT and Security systems.

■ **Prioritized Guidance**
Standards-based scoring of identified risk using CVSS and EPSS provides team members with actionable, prioritized guidance.
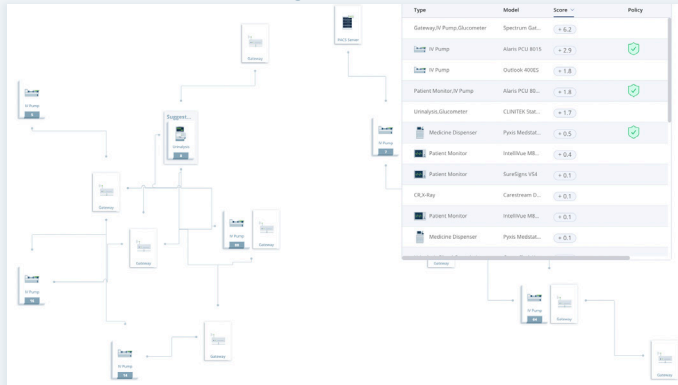
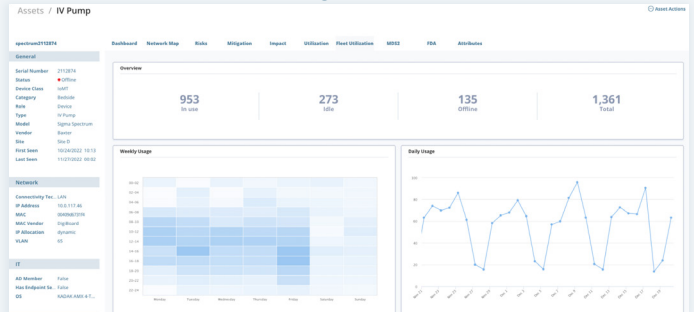# Cynerio Preventative Risk Management in Action
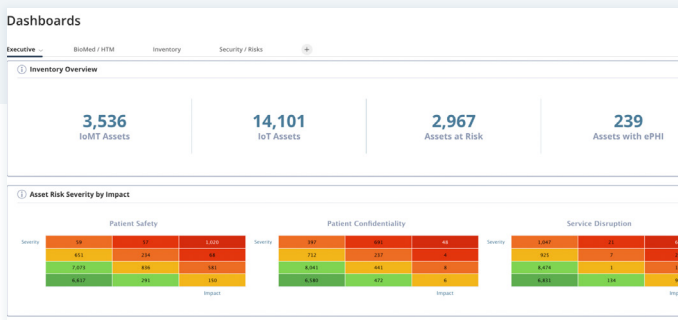
Comprehensive Asset Inventory

Asset	Count		Asset	Count		Asset	Count
Access Point	940		Anaesthesia Machine	41		BIS Monitor	6
Blood Coagulation Meter	4		Blood Gas Analyzer	76		Building Automation Controller	20
CAD	10		Cardiograph	16		C-Arm	3
Communication Device	2		Communications Server	69		Connectivity Engine	92
CR	6		CT	10		CVIS Server	1
DICOM Printer	1		Dicom Scanner	8		DICOM Workstation	59
Docking Station	3		Fluoroscopy	2		Gaming Console	1
Gateway	55		Glucometer	523		Hematology Analyzer	10
Immunoassay	3		Intercom	6		Interface Engine	1
IP Camera	379		IV Pump	1,361		Label Printer	72
LIS Server	13		Mailing System	1		Media Controller	1
Medical Device	41		Medicine Dispenser	266		Molecular Testing	5
NAS	2		Neonatal Monitor	10		Nurse Call Station	206
NVR	15		OCT	2		OT Device	7
PACS Migration	4		PACS Server	43		Patient Monitor	710
Point of Care Analyzer	2		Printer	3,210		Radiation Dose Management	1
RIS Server	1		RTLS	8		Sample Handler	1
Single-Board Computer	2		Smart Bed	28		Smart Speaker	1

Prioritized Guidance

Risk Map by Severity & Probability

Automated Network Mapping

Type	Model	Score	Policy
Gateway,IV Pump,Glucometer	Spectrum Gat...	+ 6.2	
IV Pump	Alaris PCU 8015	+ 2.9	✓
IV Pump	Outlook 400ES	+ 1.8	
Patient Monitor,IV Pump	Alaris PCU 80...	+ 1.8	✓
Urinalysis,Glucometer	CLINITEK Stat...	+ 1.7	
Medicine Dispenser	Pyxis Medstat...	+ 0.5	✓
Patient Monitor	IntelliVue MB...	+ 0.4	
Patient Monitor	SureSigns VS4	+ 0.1	
CRX-Key	Carestream D...	+ 0.1	
Patient Monitor	IntelliVue MB...	+ 0.1	
Medicine Dispenser	Pyxis Medstat...	+ 0.1	

Device Utilization and Risk Insight

Assets / IV Pump

	In use	Idle	Offline	Total
	953	273	135	1,361

Customizable Reporting

Dashboards

Executive | BioMed / HTM | Inventory | Security / Risks

Inventory Overview

3,536	14,101	2,967	239
IoMT Assets	IoT Assets	Assets at Risk	Assets with ePHI

Asset Risk Severity by Impact

Microsegmentation Policy Creation

Risk Remediation and Mitigation Actions

Action Type	Actions	Assets
Network Segmentation Actions		
Apply East-West Segmentation	62	2802
Apply North-South Segmentation	59	2939
Network Configuration Actions		
Apply Service Hardening	118	1780
Device Remediation Actions		
Change Configuration	164	1,541
Change Credentials	28	156
Update Firmware	67	4,393

From device inventory to comprehensive microsegmentation guidance, Cynerio Preventative Risk Management is the solution for healthcare cybersecurity.
Learn more at **www.cynerio.com** or contact us direction at **info@cynerio.com**

About Cynerio

Cynerio has one simple goal - to secure every IoT, IoMT, OT and IT device in healthcare environments. Our dedicated focus on the healthcare industry has led to the creation of technologies that help in preventing and responding to attacks. With capabilities ranging from microsegmentation and improved device insight to identifying exposed ePHI and stopping ransomware, Cynerio provides the technology and expertise needed to protect hospitals from a variety of cyberattacks. Learn more about Cynerio at cynerio.com or follow us on Twitter @cynerio and LinkedIn.

Forrester Wave Leader

Gartner Cool Vendor

KLAS Category Leader