

Technopedia MD™

Enable Visibility of Medical Assets to Enhance Patient Safety

Problem

The dawn of the Internet of Things (IoT) is impacting every vertical market, but none more so than healthcare. The accelerating adoption of wearable devices and sensors, telehealth and connected medical devices promises unimaginable advancement in healthcare efficiency and delivery.

Individual patient data from wearables and aggregated data from devices capturing information from multiple patients are subject to regulatory, privacy and security policies and laws that will strain the classic IT infrastructures being assembled to manage them.

Some immediate issues arising today from IoT include:

- **Privacy & Security:** Network-connected medical devices are recording and storing electronic patient health information (ePHI), where data breach penalties can add up significantly on a per patient, per incident basis.
- **Recalls (FDA and Safety Alerts):** Compliance costs of FDA device recalls, which require the prompt identification and remediation of affected medical devices for patient safety, have already soared year over year and the recall rates are rapidly increasing.
- **Off The Shelf (OTS) Software Management:** With device manufacturers seeking to lower development costs and turning to OTS software, devices are exposed to all of the expensive IT issues of viruses, malware and regular patching, which can affect patient safety as well.

Capitalizing on the promise of IoT in healthcare will demand revolutionary techniques and unparalleled insight into devices on a healthcare providers' network.

Solution

Technopedia MD is an industry-specific, authoritative repository and methodology dedicated to helping healthcare deliver organizations in the procurement, inspection, maintenance, retirement and disposal of medical equipment. Technopedia® is the de facto standard for technology asset information. Now, the medical industry can leverage Technopedia MD and the most trusted and comprehensive methodology for data collecting.

Through partnerships with the largest healthcare providers, Technopedia MD is the definitive asset information source of medical devices and market data that gives providers the consistent, reliable and accurate data required to make the best possible business decisions.

In addition to consolidating all repairable medical devices into a single reference source, Technopedia MD provides several additional Content Packs to address specific use cases. Technopedia MD Content Packs provide extended market data about the devices that provide the relevance and context needed for business decisions.

These Content Packs include details about:

- Specification (connectivity, dimensions, power)
- GMDN and UMDNS Taxonomy (ECRI)
- Procurement (images, pricing, guide)
- UDI (Unique Device Identification)
- Lifecycle (GA, EOL, OBS)
- FDA and Vendor Recalls
- MDS² (Privacy & Security)
- Security (NIST CPE/CVE)

Key Benefits

- ✓ Reduces risk of inaccurate data from improperly maintained medical devices that can render misdiagnosis and improper treatment of patients
- ✓ Aids in safety and compliance to reduce financial and legal impacts
- ✓ Facilitates a proactive approach in medical equipment management to enhance patient safety
- ✓ Enables vigilance in the lifecycle management of medical devices to help ensure all medical equipment is in compliance and properly maintained
- ✓ Enables better predictability and planning of resource availability with proven and relevant market intelligent data about medical equipment

Technopedia MD Features

- Provides relevant market intelligent data, such as lifecycle, manufacturer safety notices and FDA recall data to help ensure compliance and reduce legal risk
- Utilizes standard medical taxonomy information, such as GMDN and UMDNS, to enable a common language for easier reconciliation of data
- Ensures vigilance of protecting patient data by enabling identity of electronic protected health information data devices
- Enables a proactive approach in regards to medical equipment asset negotiations with privacy and security market intelligent data, such as MDS²
- Leverages a proven methodology for collecting relevant medical equipment data with continuous updates to help in the reconciliation of inventory

Access and Consume

With support for the latest web-based APIs, Technopedia MD is readily accessed and integrated into healthcare systems. Technopedia MD provides the baseline information source needed to deliver quality data about medical devices for the healthcare provider's enterprise.

Apply

Technopedia MD provides a common language to communicate, collaborate, and interoperate with everyone receiving just the right level of data. Best of all, you can do all of this and more without having to do it yourself. Expand Technopedia MD with immediate, actionable information for specific use cases with Content Packs, such as hardware specifications, pricing, lifecycle and support. See the chart below for Content Packs designed only for Technopedia MD.

Technopedia MD Specific Content Packs

Content Pack	Description
Global Medical Device Nomenclature (GMDN)	Ensure a common taxonomy is established for medical devices with internationally agreed-upon descriptors used to identify medical devices
Universal Medical Device Nomenclature System (UMDNS)	Ensure usage of an established standard international nomenclature and computer coding system that identifies, processes, retrieves, transfers and communicates data about medical devices
Unique Device Identification Database (UDI)	Gain visibility with the ability to identify medical devices through their distribution and use
Federal Drug Administration (FDA)	Ensure safety and compliance by tracking all manufacturer recalls
Manufacturer Disclosure Statement for Medical Device Security (MDS ²)	Ensure that patient data is secured with identification of devices containing electronic protected health information (ePHI) data

About Flexera

Flexera is reimagining the way software is bought, sold, managed and secured. We view the software industry as a supply chain, and make the business of buying and selling software and technology asset data more profitable, secure, and effective. Our Monetization and Security solutions help software sellers transform their business models, grow recurring revenues and minimize open source risk. Our Vulnerability and Software Asset Management (SAM) solutions strip waste and unpredictability out of procuring software, helping companies buy only the software and cloud services they need, manage what they have, and reduce compliance and security risk. Powering these solutions and the entire software supply chain, Flexera has built the world's largest and most comprehensive repository of market intelligence on technology assets. In business for 30+ years, our 1200+ employees are passionate about helping our 80,000+ customers generate millions in ROI every year. Visit us at www.flexera.com.

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