Main Line Health®

CASE STUDY

Main Line Health Experiences Unprecedented Benefits from the Armis Centrix™ Platform for its IT and Biomedical IoT Environments

The Challenge

| Lack of full visibility into both IT and medical IoT devices across the organization

| Failure of existing asset management system to provide comprehensive and accurate device discovery and data

| Inability to identify unpatched, outdated, or underutilized devices

| Unintegrated, siloed security with protection gaps

| Labor- and time-intensive preparation for HIPAA compliance audits and inadequate identification of protected health information (PHI) usage

The Solution

| Comprehensive management of all IT, IoT, and IoMT assets

| Uncover and mitigate risks associated with technical debt and biomedical device recalls

| Simplify network micro-segmentation

| Build a more cohesive security ecosystem, and automate compliance

The Results

| Identified IT, IoT and IoMT assets in the low six figures – 2x more than previously estimated

| Integrated over 15 tools in the security stack to extend their value by further enhancing and centralizing visibility and automating response

| Leveraged device utilization data to update, phase out, or replace IT and biomedical IoT assets

| Facilitated compliance audits and improved accountability with detailed and accurate reporting on device and security

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Industry: Medical services

Location: U.S.

Size: Approximately 14,000 employees and IT and IoMT devices in the low six figures across 5 hospitals, a rehabilitation center, 5 large ambulatory centers, and 130 physician practices

Armis Centrix™ for Medical Device Security

Armis Centrix™ for Vulnerability Prioritization and Remediation

Background

Headquartered in the northeastern United States, Main Line Health operates several acute care hospitals, a rehabilitation center, and approximately 130 physician practices. Its physicians and staff aim to provide high-quality, compassionate care across a wide array of healthcare specialties: primary care, pediatrics, orthopedics, cancer treatment and management, mental health, and more.

The Challenge

Main Line Health began its journey with the Armis Centrix™ platform to replace its ineffective asset management system. A lack of visibility into the IT and IoT biomedical environment prompted the MLH team to evaluate the Armis Centrix™ platform. Main Line Health did not have the certainty that its medical devices were secure and lacked confidence in its security infrastructure to prevent external attacks. The lack of visibility caused disjointed, manual processes preparing for compliance audits and difficulty obtaining the necessary information in the first place. As MLH technical teams dove deeper into the power of Armis, use cases quickly expanded.

The Solution

The MLH security team conducted a proof-of-value (PoV) over the course of a month, comparing Armis against other asset management tools.

Right at the outset, Armis detected the number of devices in the low six figures, including thousands of biomedical devices. "The volume of devices discovered by Armis was unanticipated. We thought we had about half as many," said Kevin Werner, System Director of Operations. "We were especially impressed by the accuracy and granularity of the data that Armis gathered about each device—something we could not get from any other solution we looked at."

In its drive to continually improve cybersecurity, the IT and biomedical technical teams now use the platform to uncover and mitigate risks associated with technical debt and biomedical device recalls, justify new equipment purchases, enable micro-segmentation, build a more cohesive security ecosystem, and automate compliance. Main Line Health plans to continue its ambitious modernization efforts with Armis at the core.

The Results

The Armis Centrix™ platform has given everyone, including the C-suite, greater peace of mind by providing a line of sight to medical and IT devices. In fact, the security team is constantly touring facilities demonstrating the benefits of the platform to get increased buy-in from users across all departments within Main Line Health.

"Before Armis, we didn't know if our medical devices were secure or if there were safeguards in place around them to prevent outside penetration," said Riccardi. "Armis has provided us with a wealth of information and intelligence, enabling us to see what we couldn't see before, identify risks, and act quickly to remediate issues. We feel better knowing our organization is in a much more secure space."

Main Line Health IT security teams echos the same sentiment. "Armis is at the core of everything we do, giving us complete visibility into all our devices and the ability to quickly detect and respond to threats when they arise," said Werner.
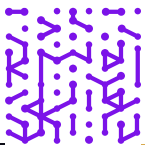
2x
the amount of assets identified than previously estimated

15
tools integrated, further enhancing visibility and automating response

$$$$
saved from utilization data findings and automating medical device recall management