

MEDICAL DEVICE PROTECTION & OPTIMIZATION

Maximizing the Value of Your Investments



Healthcare is a Huge Target for Cyberattackers

It's no secret that cyberattacks on Healthcare Delivery Organizations (HDOs) are on the rise.

79%

Of reported attacks targeted HDOs.ⁱ

45%

Is the rate cyberattacks have increased against HDOs - more than double the experience of other industries.ⁱⁱ

82%

Of HDOs were successfully attacked between March 2020 and September 2021.ⁱⁱⁱ

33%

Of HDOs were hit by ransomware in 2020. Of that percentage, 33% paid the ransom and only 31% had their data fully restored.^{iv}

Attack Impacts Can Be Far-Reaching

Security breaches often result in the theft of Protected Health Information (PHI) and the corruption of Electronic Medical Records (EMRs). They can be highly disruptive and negatively affect patients.

Impacts to your Bottom Line

29.3%

Average cyberattack restoration costs of soared from \$7.13 million in 2020 to \$9.23 million in 2021.^v

\$1.3 million

Was the average direct cost tied to recovering from a ransomware-type attack.^{vi}

Impacts to Delivery of Care

70%

Of surveyed HDOs reported that ransomware attacks led to longer patient stays and delays in procedures resulting in poorer outcomes, including an increase in patient mortality.^{vii}

Medical Devices Are Increasingly at Risk

As long as cyberattacks are profitable for hackers, they will increase in frequency and sophistication. Thanks to ever-increasing care management complexities, including patient and asset mobility, attack surfaces will continue to expand.



25.6%

Is the expected Compounded Annual Growth Rate (CAGR) of spending on the Internet of Medical Things (IoMT) by 2025.^{viii}



2 million

Different types of legacy and modern medical devices are estimated to be in use around the globe in 2022.^{ix}

Hardening Security Defenses is Your Best Option

To combat the threats and manage your business risks, most HDOs are increasing their cybersecurity spending, but it takes more than new technologies.

15% - 35%

Is the anticipated rate of increase to budgets in 2022, according to surveyed HDO Chief Information Security Officers.^x

1.8 million

Is the expected cybersecurity workforce shortage in 2022,^{xi} which is why so many HDOs struggle to justify security investments that will improve their overall security posture.



Tech-Enabled Services to Protect & Optimize Your Medical Devices

Clinical networks and the risks posed by the devices that connect to them present unique challenges. Medical devices, their proprietary transmission protocols, and the fact that they connect to patients provides the obvious example. Cross-industry cybersecurity services rarely translate to healthcare, so it's important to look for service providers who have demonstrated:



Clinical Network expertise



Medical Device Knowledge



An Understanding of Clinical Operations



Choose Pixel Health Security Services

Pixel Health is a health-centric consultancy driving innovative change in healthcare organizations looking to improve care delivery through digital transformation. Our Medical Device Protection and Optimization (MDPO) Services leverage proven methodologies and technology from Medigate's cyber-physical security experience with more than 1,000 health delivery organizations. In combination with Pixel's decades of Cybersecurity expertise and technology partnerships including Cisco, ServiceNow, Rapid7 and CrowdStrike, we can deliver a comprehensive solution set to harden your security defenses, better manage medical device usage, and optimize your mIOT investments.

Take our **live security assessment** or contact us at **info@gopixelhealth.com**.

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 12. "Global Managed Security Services Market Survey 2022," Fox 40 press release, Jan. 3, 2022, <https://www.wicz.com/story/45570922/global-managed-security-services>