

What Is The Total Cost of IoMT Risk Reduction?

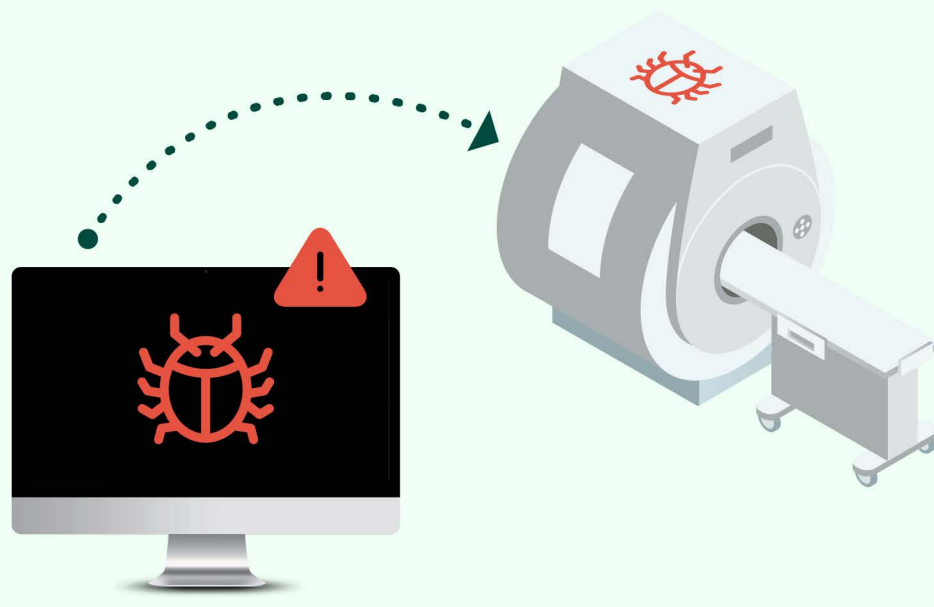
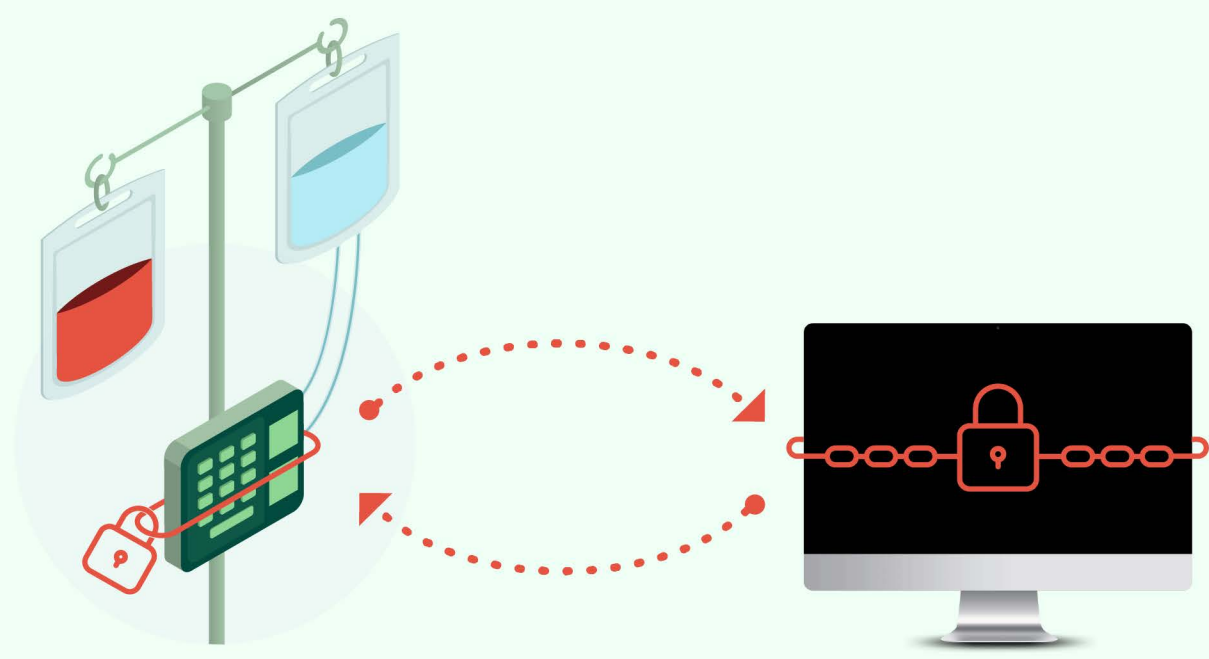


The Types of Cyber Attacks Impacting Medical Devices

01

Ransomware Attack Spreads to Medical Devices

Any entry point within a health system can spread to medical equipment and disrupt services.



02

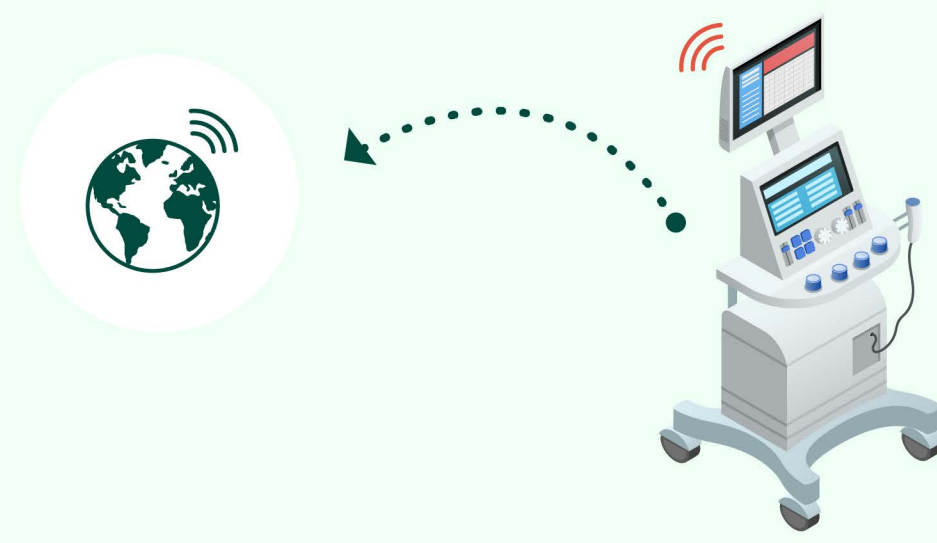
Third-Party Malware Spreads to Medical Devices

When a third-party plugs in an infected laptop or mobile device into medical equipment, malware spreads slowing down equipment performance. Often no one is even aware that malware is causing performance issues.

03

Medical Devices Communicating with Unknown IP Addresses

Medical Devices are often found communicating with manufacturers in foreign counties or other unknown organizations, opening the door to a remote breach.



Financial Impact



\$10M

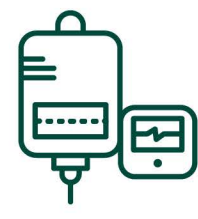
avg HDO cost per incident
cyber attacks on hospitals cost an average of \$10.1M per incident



1.4%

avg hospital operating margin
the average hospital operating margin is .4% in 2023

Device Health



6.2

vulnerabilities per medical device
each device has an average of 6.2 vulnerabilities



40%

of devices are near end-of-life
more than 40% of medical devices in use are near EOL

Common Causes



44%

breached by third party
of HDOs suffered a data breach caused by a third party in the last year



50%

of incidents caused by lack of talent
by 2025, lack of talent or human failure will be responsible for 50% of cyber incidents

Operational Impact



64%

of HDOs had operational delays
64% of HDOs had delays in operations and 59% had longer patient stays due to an incident



43

avg attacks per year
89% of the HDOs experienced an average of 43 attacks



20%

increase in mortality from cyber incident
There is a 20% direct-line increase in mortality from cyber incident



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