



Understanding and Managing Legal Liability Risks of Cybersecurity

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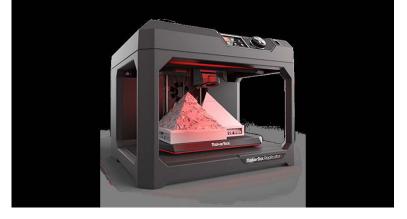
Areas of Cybersecurity Vulnerability for AM

Internet connected devices

Security of Digital CAD files and printers

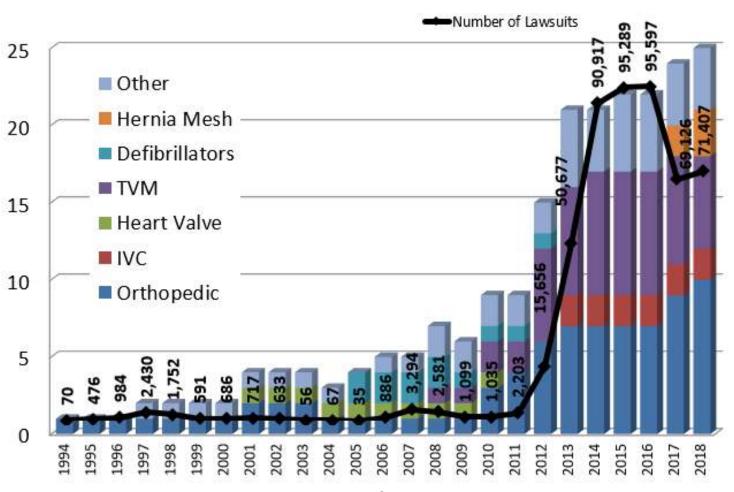
Protection of patient information for

customized printing





The Risk: Medical Device Federal Lawsuits Pending





The Risk: Significant Verdicts





Drivers of Litigation

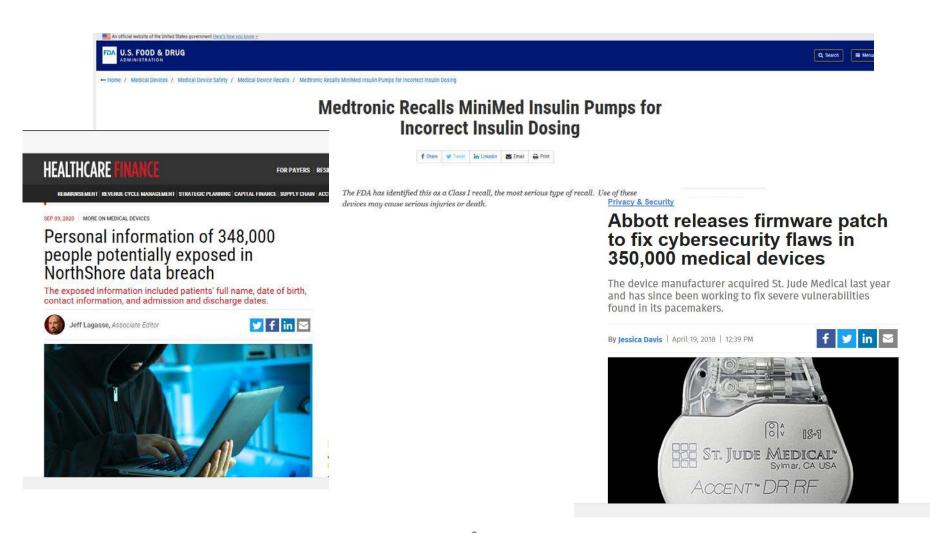
- How Plaintiffs' Attorneys Find New Lawsuits:
 - Media
 - Pending litigation against competitor products
 - Company field actions / recalls
 - FDA safety communications, labeling changes, and warning letters
 - Scientific and medical literature
- Increased availability of consolidation in MDLs and Data Breach Class Actions – lots of \$\$\$ for little work
- Massive rise in litigation funding and Plaintiffs' advertising





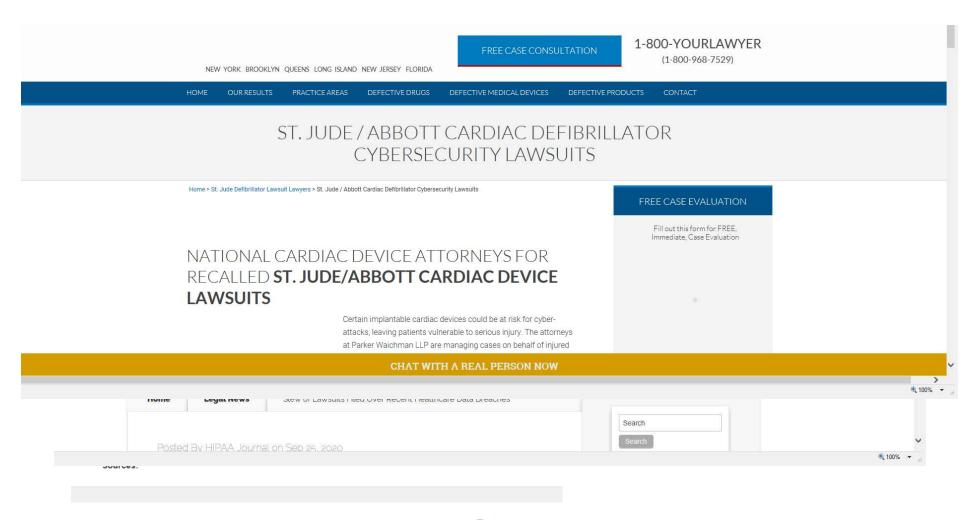


Cybersecurity Vulnerabilities in the News





Lawsuits Follow Headlines





Types of Cybersecurity Related Claims

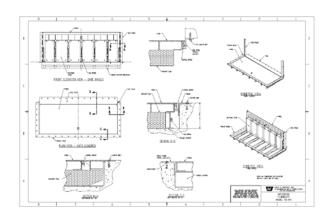
- Products Liability
 - Design Defect
 - Manufacturing Defect
 - Failure to Warn
- Data Breach
 - HITECH/HIPAA
 - Negligence
 - State Statutes





AM Cybersecurity Issues

- Design Claims
 - Testing worst case scenario
 - Innovation ahead of regulations
- Manufacturing Defect
 - Reverse engineering
 - Malicious attacks on CAD files and AM printers
- Warnings
 - Warning against the unknown
 - Post Market Surveillance obligations
- Negligence
 - Foreseeability





Mitigating Risks and Vulnerabilities

- The importance of census standards
- Open dialogue with the FDA
- Insurance coverage
- Retaining cybersecurity specialists
- Indemnification agreements



Thank You! Questions?



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