

HIMSS

Medical Devices Security Workgroup

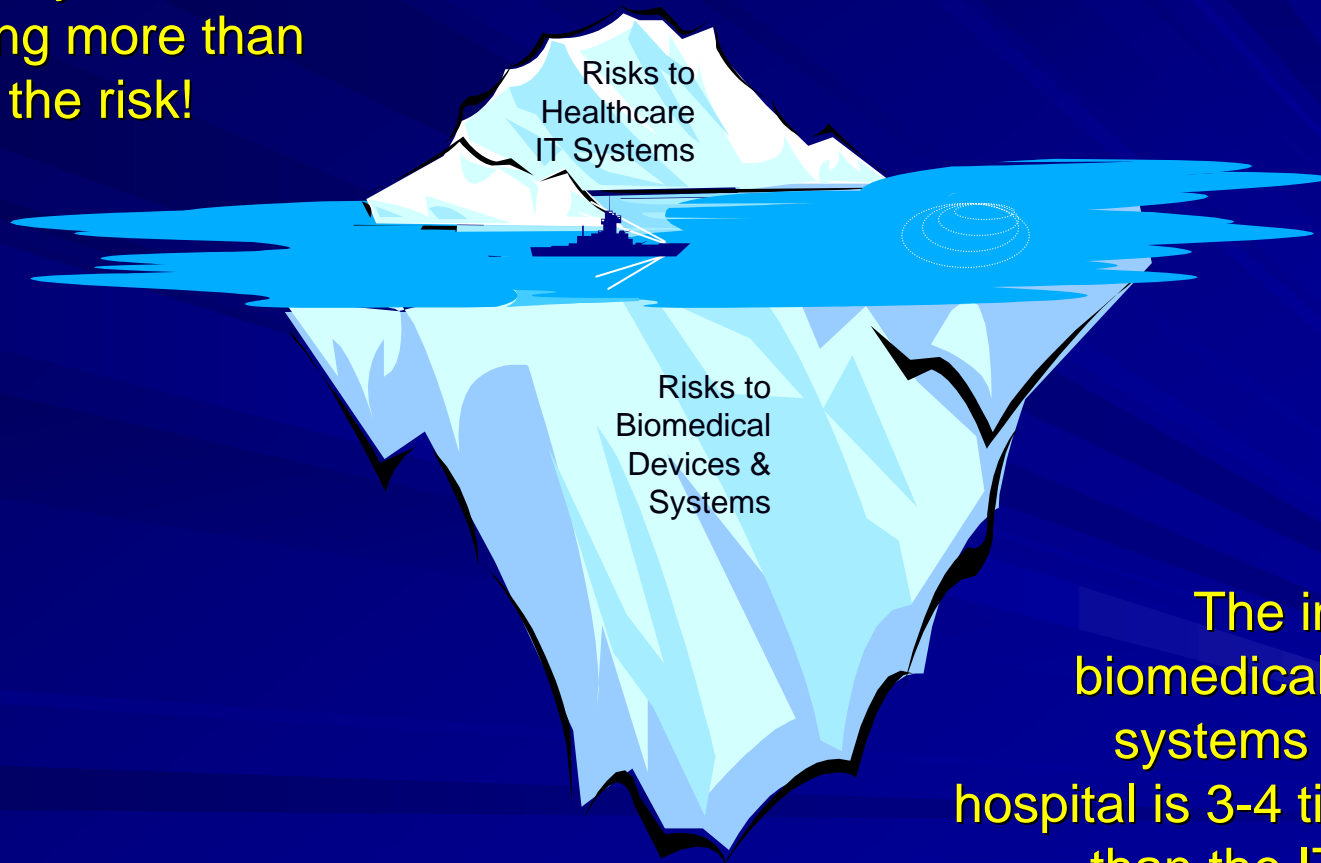
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Security Risks to Healthcare Technology

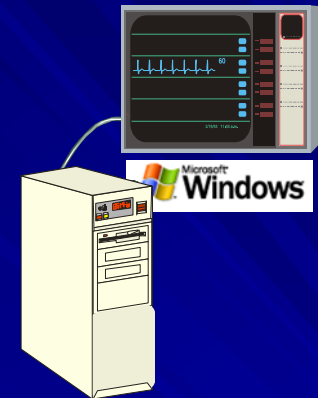
Make sure you are addressing more than the tip of the risk!



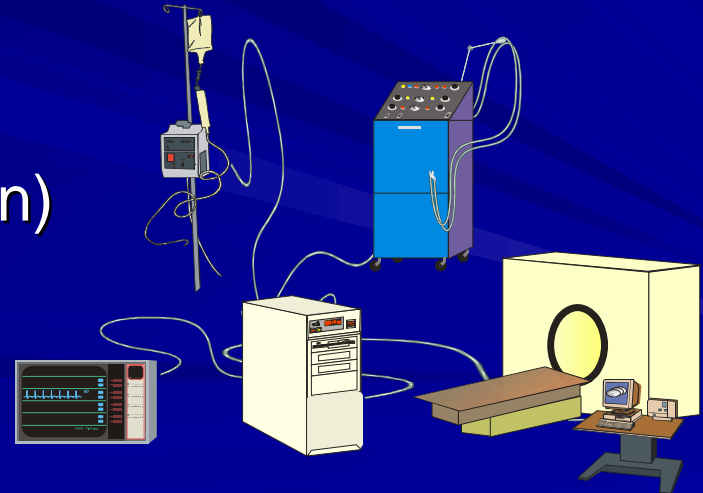
The inventory of biomedical devices & systems in a typical hospital is 3-4 times larger than the IT inventory

Significant Medical Device Industry Trends

- Medical devices and systems are being designed and operated as special purpose computers ... more features are being automated, increasing amounts of medical data are being collected, analyzed and stored in these devices



- There has been a rapidly growing integration and interconnection of disparate medical (and information) technology devices and systems where medical data is being increasingly exchanged



HIMSS Medical Device Security Workgroup

Established

- In response industry concerns regarding the growing security risks associated with medical devices and systems
- November 2003

MDSW Charter

- **Identify** both the **security issues** associated with medical devices & systems and the **best practices** available to address those issues
- **Evaluate the issues of security threats and vulnerabilities** that affect medical devices, both the provider and the equipment manufacturer's responses and responsibilities, and the legal and regulatory framework in which these issues must be addressed
- **Coordinate** with similar groups and committees, in HIMSS and other organizations, to capitalize on existing efforts and realize the economies of **collaboration**
- **Prepare and endorse white papers, guidance documents, comments and recommendations** on medical device security issues and practices for addressing those issues
- **Educate HIMSS membership and the industry** on the implications of medical device security through publications, tools, resources and educational programs

MDSW Membership

has broad industry representation

(approx 35 current members)

- Workgroup membership includes representatives from:
 - ✓ Healthcare providers
(e.g., John Hopkins, University of California, Georgetown U, HCA, etc)
 - ✓ Manufacturers
(e.g., Microsoft, Philips, GE Healthcare, Cardinal Health, Roche, Kodak, Welch Allyn, etc)
 - ✓ Government
(e.g., FDA, VA, DoD, etc)
 - ✓ Consultants
(e.g., Booz Allen Hamilton, ECRI, GENTECH, Advanced Technology Institute, etc)
 - ✓ Industry Groups
(e.g., ASHE, ACCE, IEEE, NCCLS)
 - ✓ Healthcare Law Firms

HIMSS Medical Device Security Workgroup Web Site

- Current issues & trends
including full text whitepapers, articles, presentations, publications & guidelines (HIMSS, FDA, VA, NEMA, ACCE, ECRI)
- Tools & Resources
including a bibliography of more than 100 references of presentations & publications on medical device security
- Event Listing
including upcoming conferences



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MEDICAL DEVICE SECURITY

Medical devices and systems represent a growing risk with respect to the security of the medical data they contain. Hospitals and similar healthcare organizations typically have 300% to 400% more medical equipment than IT devices and two trends are contributing to the increasing significance of this security risk:

1. Medical devices and systems are being designed and operated as special purpose computers ... more features are being automated, increasing amounts of medical data are being collected, analyzed and stored in these devices.
2. There has been a rapidly growing integration and interconnection of disparate medical (and information) technology devices and systems where medical data is being increasingly exchanged.

HIMSS Medical Device Security Workgroup was convened earlier this

Related Resources:

Related Topics

- >HIPAA
- >Privacy and Security



Prove your security knowledge. Take the Certified in Healthcare Security (CHS) exam!

The HIPAA Compliance CD: Get the tools you need to meet the April 2005 deadline!

Learn more about the industry standard for Medical Device Security.