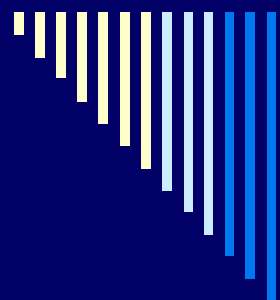


Electronic Medical Records and PHI Security

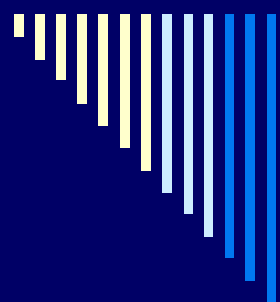
Monday, February 11, 2008

Presented by
Belinda Pirtle, Principal
Carr Instructional Design, LLC



Objectives

- ❑ Understand Basic Computer Security.
- ❑ Determine strategies for identifying critical security success factors.
- ❑ Develop a strategy for planning, preparation and successful security implementation.



Agenda

- I. Introduction to Confidentiality and Information security
 - A. *Privacy and Confidentiality*

 - II. HIPAA and Electronic Medical Records Security
 - A. *Policy, procedure, and education*

 - III. Information Security Implementation Plan
-



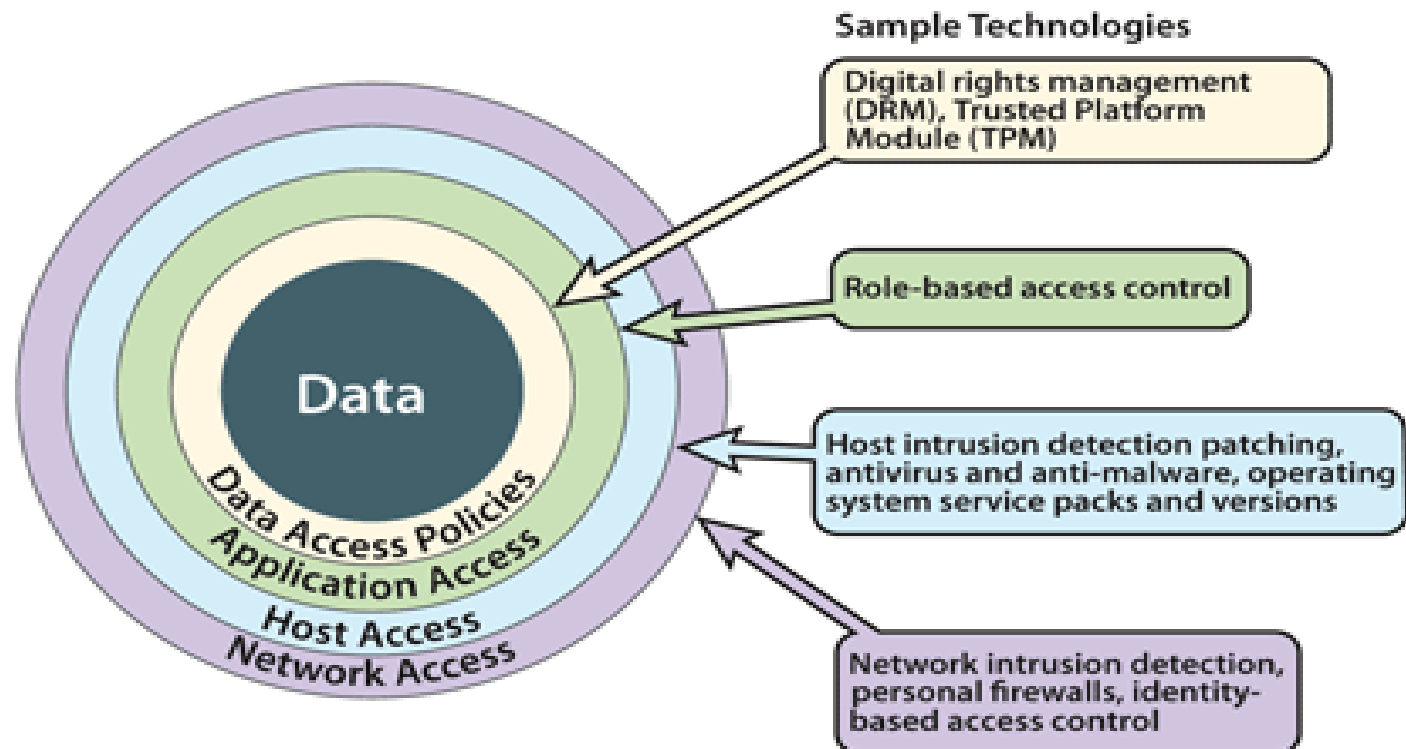
Introduction to Confidentiality and information security

Develop a balance between
Patient Trust, Privacy, and
Information Security

- Privacy – right to control disclosure of medical information.
 - Confidentiality – access to medical information to authorized users.
-

Protected Health Information Security

A Model For Secure Data Access





Network Access

Unique User Identity and Password



Host Access



End User
Logins

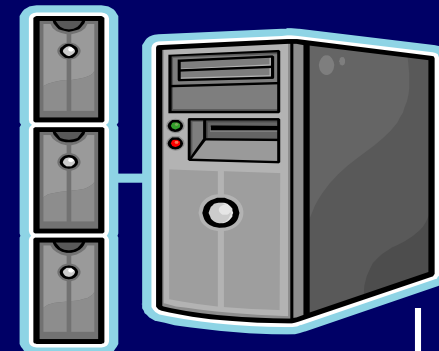


Firewall

Intrusion Prevention

Data Encryption

Network



Electronic Medical
Record



EMR Application Access



EMR

Pharmacy



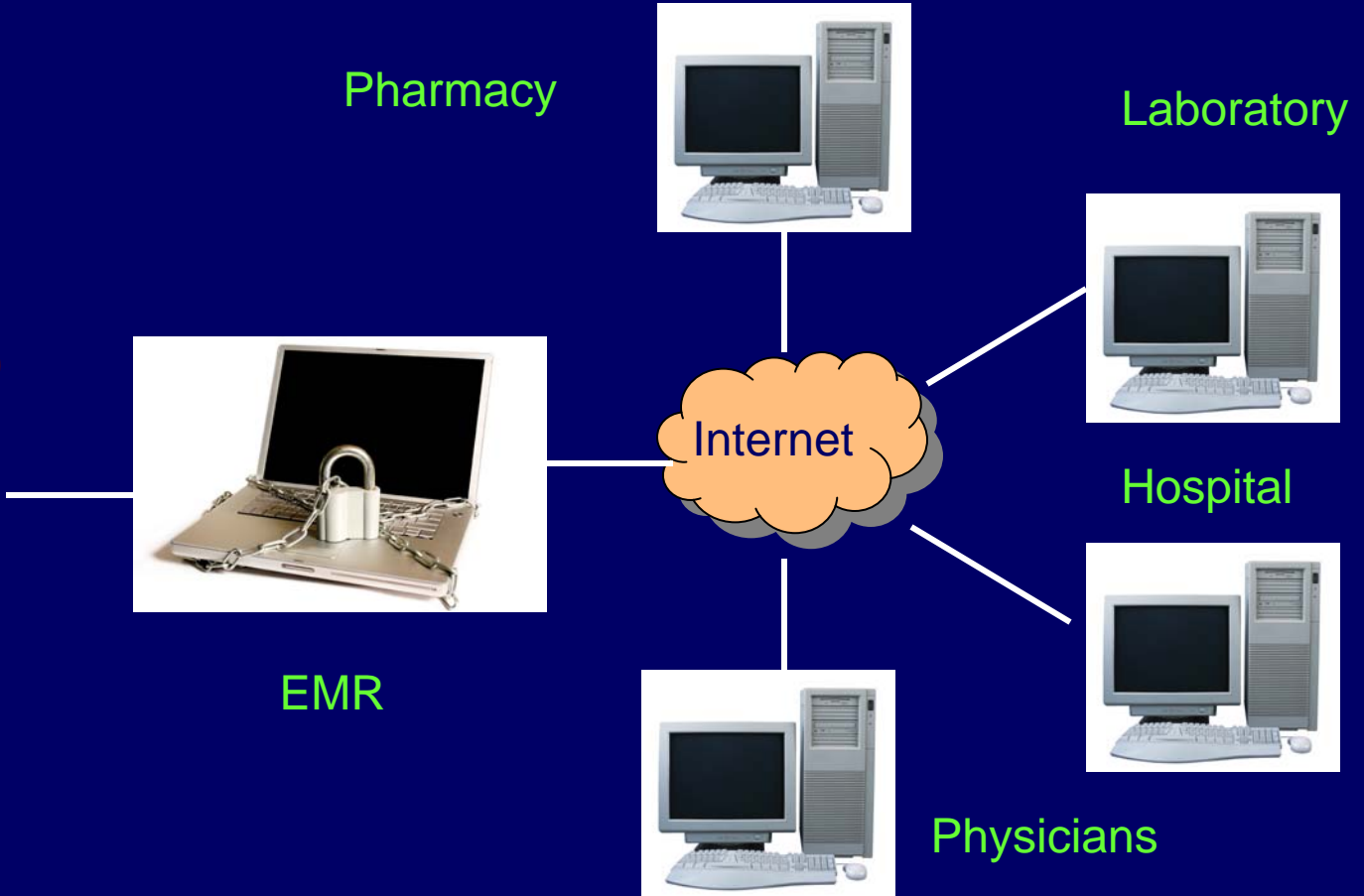
Laboratory

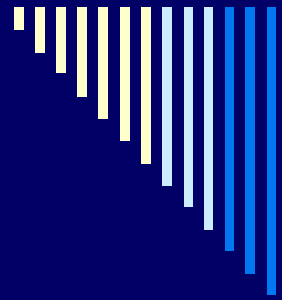


Hospital



Physicians

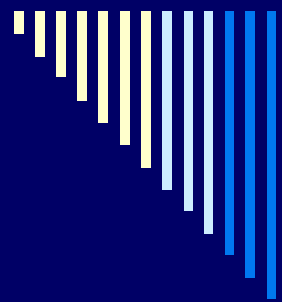




HIPAA Policy and Procedures

“Many healthcare facilities now find themselves in an almost impossible predicament: inherently insecure and complex systems are required to be supported to maintain quality of healthcare, while security by mandate must be implemented and insured.”

Sean E. Much



Information Security Implementation

- ❑ Develop security policies and standards.
- ❑ Insure government and office compliance.
- ❑ Perform regular audits of all systems.
- ❑ Monitor the integrity of business data and systems.
- ❑ Direct regular security-training initiatives.
- ❑ Respond to and resolve security incidents.
- ❑ Disaster recovery plan.

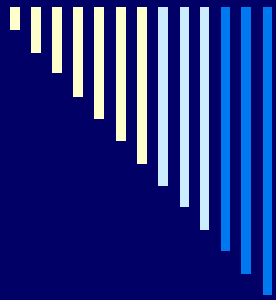


Conclusion

- I. Introduction to Confidentiality and Information security
 - A. *Privacy and Confidentiality*

 - II. HIPAA and Electronic Medical Records Security
 - A. *Policy, procedure, and education*

 - III. Information Security Implementation Plan
-



Questions?

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