

## Working with HIT Systems

### Unit 7a Protecting Privacy, Security, and Confidentiality in HIT Systems



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## Objectives

By the end of this unit the student will be able to:

- Explain and illustrate privacy, security, and confidentiality in HIT settings.
- Identify common threats encountered when using HIT.
- Formulate strategies to minimize threats to privacy, security, and confidentiality in HIT systems.

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2

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## Electronic Health Information Risks and Opportunities

- Access to electronic vs. paper records
- Public apprehension around digitization of health information
- Success of HIT systems depends on ensuring patient privacy
- Security can facilitate patient-centered care

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3

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## Privacy, Confidentiality, Security Defined

- Privacy: patient is in control
- Confidentiality: only authorized individuals are allowed access
- Security: controls/safeguards that ensure confidentiality



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4

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## Security Management System Standards

- ISO 27001
- NIST 800-53
- HIPAA



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5

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## HIPAA and PHI

- Health Insurance Portability and Accountability Act of 1996
- Privacy Rule (effective 2003)
- Security Rule (effective 2005)
- HITECH Act of 2009

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6

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## Types of Security Safeguards

- Administrative Safeguards
- Physical Safeguards
- Technical Safeguards



Image: MS Clipart

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7

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## Administrative Safeguards

- Security Management Process
  - Risk Analysis
  - Risk Management
  - Sanction Policy
  - System Activity Review



Image: <http://www.hhs.gov>

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8

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## Administrative Safeguards

- Assigned Security Responsibility
  - Security officer



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9

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## Administrative Safeguards

- Workforce Security, Information Access Management
  - Who can and who cannot have access
  - Who determines who can have access and how
  - Employee turnover
  - Contractors
  - User roles



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10

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## Administrative Safeguards

- Security Awareness and Training
  - Training
  - Security reminders
  - Log-in monitoring
  - Password management



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11

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## Administrative Safeguards

- Security Incident Procedures
- Contingency Plan
  - Data backup
  - Disaster recovery
  - Emergency operation plan



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12

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## Administrative Safeguards

- Evaluation
- Business Associate Agreements



Image: <http://www.nhs.gov>

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