

HHS.gov Announcement



New technologies



New Care Models

Health Care Transformation Requires Security and Privacy Integration



Growing Consumer Engagement

OCR Audits for HIPAA Compliance

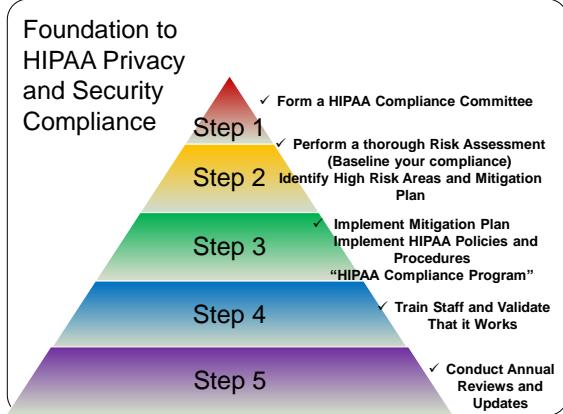


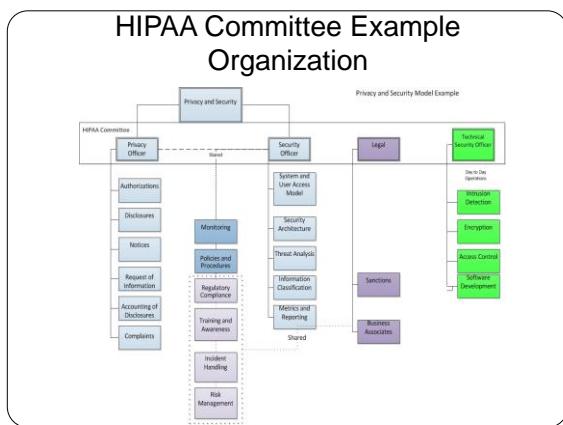
HITECH Act Transparency, Reporting Requirements

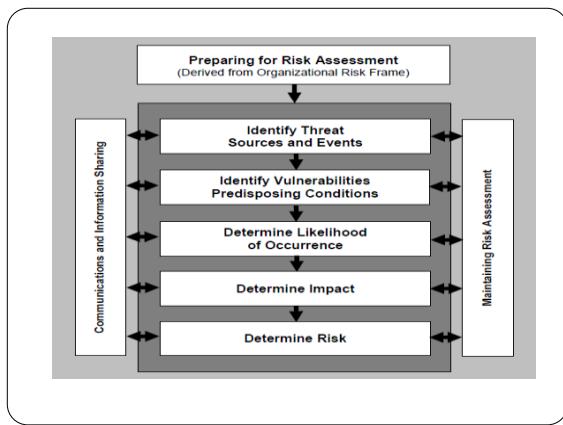
HIPAA Requirements and Penalties

Meaningful Use Requirements

Increased Regulatory Scrutiny







Help is Available

- [Security Risk Assessment Tool \(SRAT\)](#)
<https://www.healthit.gov/providers-professionals/security-risk-assessment-tool>



The screenshot shows the HealthIT.gov website with a blue header. The main content area is titled 'Security Risk Assessment' and features a 'Security Risk Assessment Tool' section. It includes a 'What is the Security Risk Assessment Tool (SRAT)?' section with text and a video thumbnail, and a 'SRAT Tutorial Video' section with a video thumbnail. The left sidebar has a 'Providers & Professionals' section with various links like 'Guidelines and Resources', 'Health IT Privacy and Security', 'Mobile Device Privacy Security', 'Mobile Health Privacy Practices', 'Patient Confidentiality', 'Standardized Health IT', 'Identity & Security Management', 'Cybersecurity', and 'Security Risk Assessment'.

<https://www.youtube.com/watch?v=V2LyAEmhq90&t=1s>

Topics = Policies

- Risk Analysis = 1
- Security Plan = 2
- Access = 15
- Safeguards = 13
- Human Resources = 2
- Training = 0
- Business Associates = 1
- Emergency Plan = 7
- Audits = 4
- Incident Response = 2

Total of 47 required or addressable policies

Audit Policies

AUDITS

- **Review of IT activity**
- **Identify hardware, software that record or examine IT activities**
- **Distribution of audit reports to appropriate members of the team**
- **Retention requirements for audit reports**

Security Rule Compliance

Security Rule is separated into 3 categories:

- 1 **Administrative Safeguards** Govern personnel practices and provide a framework for accessing and using ePHI, and include conducting a risk analysis and designating a Security Officer
- 2 **Physical Safeguards** Methods for securing the physical spaces and devices that contain ePHI, such as servers and workstations
- 3 **Technical Safeguards** Apply to information systems and ensure that hardware, software and networks are protected

The Security Rules Standards are technology neutral.

HIPAA Security Rule Components

Administrative Safeguards

- Security Management Process
- Assigned Security Responsibility
- Workforce Security
- Information Access Management
- Security Awareness and Training
- Security Incident Procedures
- Contingency Plan
- Evaluation
- Business Associate Agreements

Physical Safeguards

- Facility Access Control
- Workstation Use
- Workstation Security
- Device and Media Control

Technical Safeguards

- Access Control
- Audit Control
- Integrity
- Personal or Entity Authentication
- Transmission Security

Implementation Specifications

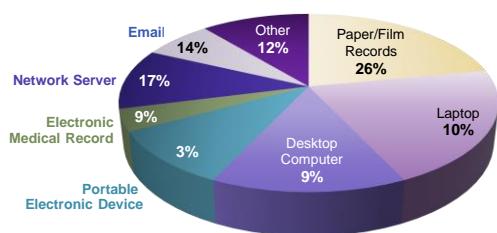
- Required = must be implemented
- Addressable = maybe
 1. Implement
 2. Implement alternatives
 3. No action

Risk Assessment

➤ Complete a risk assessment:

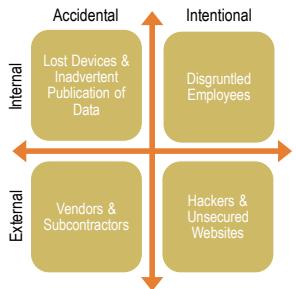
- Initial HIPAA Security Risk Assessment was likely completed several years ago
- Risk assessment is an ongoing process as reflected in the HIPAA Security Rule's requirement to periodically re-evaluate protocols in response to environmental or operational changes affecting the security of ePHI
- Periodically – every two or three years + whenever a new electronic technology is adopted or changed

Location of Reported Breach (as of September 2015)



https://ocrportal.hhs.gov/ocr/breach/breach_report.jsf

How Do Incidents Occur?



RISK REGISTER

RISK MATRIX

Likelihood	Consequences				
	Insignificant	Minor	Moderate	Major	Catastrophic
Almost Certain The event is expected to occur in most circumstances.	1 Any injury or disease that needs first aid treatment only	2 Any injury or disease requiring medical treatment and/or that results in a person being hospitalized or requiring a period of recuperation	3 Any injury or disease that is likely to result in a person being disabled for a period of up to 7 days	4 A disability or death and permanent disability	5 Methane release
Likely The event will probably occur in most circumstances.	2				
Moderate Given time, likely to occur.	3				
Unlikely More likely not to occur under normal conditions.	4				
Rare The event may occur only in exceptional circumstances.	5				

Appendix F

Once you have determined above the likely Consequences Ratings for the identified risks refer to the Risk Analysis Matrix to determine the overall Risk Rating for the identified Risk. The higher the Risk Rating the more immediate and higher level attention is required.

High Risk	Discontinuation and / or immediate corrective action required.
Significant Risk	Corrective action needed. Action in short term as appropriate.
Moderate Risk	Action indicated.
Minor Risk	Implement practicable short-medium term control measures.

Security Risk Assessment Tool

The HIPAA Security Rule requires covered entities to conduct a risk assessment to identify risks and vulnerabilities to electronic protected health information (e-PHI). Risk assessment is the first step in an organization's Security Rule compliance efforts. Following a risk assessment, covered entities must then implement the security measures you need to implement based on the unique circumstances of your health care practice.

Risk assessment is an ongoing process that should provide your medical practice with a dependable way to evaluate the security of your e-PHI. The risk assessment process of e-PHI HIPAA requires that covered entities implement policies and procedures to protect e-PHI. The risk assessment process should include a thorough identification and thorough assessment of the potential risks and vulnerabilities to the confidentiality, integrity, and availability of e-PHI held by the organization.¹ Performing a security risk assessment is a key element of the risk analysis process required for providers seeking to "Meaningful Use" under the CMS EHR Incentive Program.

Providers should develop a risk assessment that addresses these criteria by evaluating the impact and likelihood of potential breaches, implementing security features, cataloging security measures, and maintaining security processes.

<https://www.youtube.com/watch?v=Rge4k8w9tig&t=3s>

Best Practices from ERISA Advisory Committee

Computers and Systems

A. Data

1. Keep only data that is needed.
2. Use effective processes to discard unnecessary data, including back-up paper and electronic copies.
3. Know where PHI is located in all of the organization's systems.
4. Understand cloud computing and/or remote data storage, including how data is stored or protected.

B. Systems

1. Keep computer systems updated, including prompt installation of software patches.
2. Stay current on electronic threats and effective responses.
3. Follow National Institute of Security and Technology (NIST) guidelines on computer configuration.
4. Use full disk encryption on laptops and external data storage devices that might include PHI or information on how to access it.
5. Maintain complete log-in for the network, firewalls, routers and key software applications.
6. Limit or define usage of portable devices.

PHI Safeguards Under Privacy and Security Rules

Privacy and Security Rules require the following types of safeguards: (list is not exhaustive)

- **Administrative:**
 - Designate Privacy Officer and Security Officer
 - Designate employees, either by title or department, who need access to PHI to perform their job functions, and identify type and amount of PHI needed
 - Limited access to space where PHI is handled (i.e., badged or key entrance)
- **Related to ePHI:**
 - Computer passwords
 - Automatic log-off or screensavers
 - Protective screens
 - Designated space to secure ePHI, such as secure website or secure network drive
 - Encrypted email (or limited email use)
 - Encrypted laptops
 - Encrypted portable devices or limited use of portable devices

“Red Flag” Issues



- Inadequate encryption policies and procedures
- Poor access control and activity review
- Poor mobile device and laptop policies and controls
- Lack of IT governance—standards, inventory control, basic security procedures (patching, administrative lockdown, etc.)
- Inadequate disaster recovery procedures
- Insufficient IT policies and procedures
- Lack of advanced monitoring techniques—intrusion detection system/intrusion prevention system (IDS/IPS), log correlation, data loss prevention (DLP)
- Lack of a security officer

CELL PHONES

- Policies & Procedures esp. as it relates to BYOD
- Who is responsible for securing the device
- Password protection
- Remote wiping/disabling program

SECURE TEXTING

- Know who has access to private health information and control over how it is used, limit information.
- When encryption and physical data protection is in place for individuals who use their personal mobile devices to communicate private health information or to access sensitive patient data in the course of their work.
- When policies are in place to cover the scenarios in which mobile devices are lost or stolen, or if the owner wishes to dispose of their mobile device, so that private health information can be deleted remotely.
- When private health information has been breached, but the encrypted data can be deleted remotely, it will not be necessary to notify the patient or Office of Civil Rights provided that the data is removed in a timely manner.
- Inventory of devices.

New Technologies and Possible Data Threats



- **Mobile Devices:** laptops, smartphones, tablets
- **Cloud Computing:** Infrastructure as a Service (IaaS), Software as a Service (SaaS) or Platform as a Service (PaaS)
- **Wearables:** smartwatches, smartglasses, smart ID badges
- **Robotics:** medical kiosks



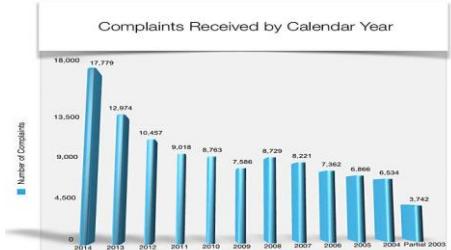
WHAT IS CYBER?

WHERE?		
WHO?		
WHAT?		
CRISIS EXPENSE EXTRA EXPENSE LOST INCOME DEFENSE EXPENSE PENALTIES LIABILITY		

Incidents

Top 10 Healthcare Data Breaches 2015		
Organization	Records Breached	Type of Breach
Anthem	78,800,000	Hacking / IT Incident
Premera	11,000,000	Hacking / IT Incident
Excellus	10,000,000	Hacking / IT Incident
UCLA Health	4,800,000	Hacking / IT Incident
me	3,900,000	Hacking / IT Incident
CareFirst	1,100,000	Hacking / IT Incident
DM&H	697,586	Hacking / IT Incident
GEORGIA DEPARTMENT OF COMMUNITY HEALTH	667,779	Hacking / IT Incident
BEACON	306,789	Hacking / IT Incident
PGD	160,000	Laptop Theft
2015 Total	111,022,154	(almost 35% U.S. population)

Complaints Received by HHS/OCR by Calendar Year



<http://www.hhs.gov/ocr/privacy/hipaa/enforcement/data/complaintsyear.html>

HIPAA Security Risk Assessment

Please email your questions and comments to:

cathy@excellentiagroup.com
Excellentia Advisory Group, LLC
1-636-875-5088 ext. 102

