The Health Insurance Portability and Accountability Act of 1996

- HIPAA amends the Social Security Act
- Initial impact: portability of health insurance
- Responds to rapid technological advances and opportunity to reduce health care transaction costs using EDI
- Also responds to concerns about the privacy of electronically stored and transmitted health records
- Congressional humor: “Administrative Simplification”
HIPAA’s Components

✓ National Provider Identifier (Final Rule - June, 2000)
✓ National Employer Identifier
✓ 9 Transaction & Code Sets (Final Rule - August, 2000)
✓ Privacy Standards (December 22, 2000 - 367 pages in Federal Register)
✓ Security Standards (Proposed August 1998 - 49 pages in Federal Register - final rules expected in March - June?)
✓ Missing: National Patient Identifier
HIPAA’s 9 Transaction Sets

- First report of injury (delayed)
- Eligibility for a health plan
- Healthcare claim attachment (delayed)
- Healthcare claim status
- Referral certification and authorization

- Premium payments
  - Enrollment or disenrollment in a health plan
  - Claim payment & remittance advice
  - Healthcare claim or encounter

Being implemented now (October 17, 2002)
HIPAA Context

The Fear

Once patients’ records are stored electronically on networks, a couple of clicks can transmit those records all over the world!

Subsidiary Motivations

Loss of personal control over personal information

Anger at constant barrage of marketing messages
HIPAA Security and Privacy
Best way to master the rules?

- Place in context - understand relationships
  - Security Rules to Privacy Rules
  - Enforcement
- Use principal definitions as anchors
- Understand rules’ philosophy
- Identify basic mechanisms that implement this philosophy
- Realize that the devil is in the details (i.e., the exceptions are very important)

An epidemic of complexity!
HIPAA Security and Privacy Rules

✓ Jurisdiction (§160.102):
  ◆ Provider (or agent for provider), health plan or clearinghouse (a “covered entity”) who:
    ◆ Transmits health information in electronic form
    ◆ “In connection with” a “standard transaction”

✓ Once there is jurisdiction -
  ◆ The HIPAA rules apply: Security, Privacy, Transaction Sets, etc.

✓ Definition of “protected health information” (§164.501)
  ◆ *Oral* or recorded, maintained, or transmitted in any form or medium
  ◆ Created or received by provider, payor, clearinghouse (a “covered entity”)
  ◆ Relating to an *identified* individual’s past, present, or future
    ◆ Physical or mental health or condition, or
    ◆ Provision of health care, or
    ◆ Payment for provision of health care (past, present, future)
HIPAA Security - Statutory Standard

“Each person … who maintains or transmits health information shall maintain reasonable and appropriate administrative, technical, and physical safeguards --

(A) to ensure the integrity and confidentiality of the information; and

(B) to protect against any reasonably anticipated

(i) threats or hazards to the security or integrity of the information; and

(ii) unauthorized uses or disclosures of the information; and

(C) otherwise to ensure compliance with this part by the officers and employees of such person.”

(42 USC §1320d-2(d)(2); in effect now - does not require final security or privacy rules to become effective)
Final Privacy Rule, §164.530(c)(1), Administrative Requirements

Standard: safeguards. A covered entity must have in place appropriate administrative, technical, and physical safeguards to protect the privacy of protected health information.

On April 14, this security rule will also be in effect!
Administrative Requirements

- Document all complaints received
- Apply sanctions to members of workforce who fail to comply (how stringent?)
- Mitigate any harmful effects of violations to extent practicable (extent of this obligations?)
- Refrain from intimidating or retaliatory acts
- Implement appropriate policies and procedures
  - “Reasonably designed. . .to ensure compliance,” taking into account covered entity’s
    - Size
    - Type of activities
  - Note: “This standard is not to be construed to permit or excuse an action that violates any other. . . requirement. . . .”
HIPAA Context

✓ Enforcement - litigation-operational perspective (e.g., malpractice)

✓ Civil penalties (42 USC §1320d-5) - HHS/ OCR
  - $100 each violation (transaction costs)
  - $25,000 annual limit for violating each “identical requirement or prohibition” - could be a big number

✓ Criminal penalties (42 USC §1320d-6) - DOJ/ U.S. Attorney
  - Knowingly - 1 year/ $50,000
  - False pretenses - 5 years/ $100,000
  - Malice, commercial advantage, personal gain - 10 years, $250,000

✓ Private law suits by patients
  - Easier because standard of care is so much higher
  - Statute trumps the regs: “any reasonably anticipated,” “ensure”
  - Best practices - what is “any reasonable”? References are security processes and technology in defense (and in the financial) industry
HIPAA Context

Enforcement - litigation-operational perspective

- Litigation is likely, so use these criteria:
  - What new operating policies must we prepare?
    - *These policies are legal documents that will be of utmost importance in litigation*
  - What records must we keep to
    - Cooperate with HHS?
    - Defend ourselves?
  - How do these records requirements translate into audit trails? (Complying with the Privacy and Security rules demands automation.)
  - Can our installed systems accommodate these audit trail and related access requirements?

- What are other elements of the future state?
  - Certification (*all systems carrying PHI and their interoperation*)
  - Accreditation
How do we begin?
What are some of the organizational issues?
How do they relate to HIPAA politics?
Ten Beginning Steps

1. Preserve attorney-client, work product privileges

2. Envision the *future state*!

3. Make policy elections (*e.g.*, single covered entity, organized health care arrangement, hybrid organization, Bus. Assoc. Contracts?)

4. Initial security analyses

5. Begin clinical and business process redesign; draft security and privacy policies (legal as well as operational documents)
Ten Beginning Steps

6. Audit trail design (realism for purposes of review; real-time alarms; quick, affordable retrieval)

7. Contemplate training needs

8. Consider impact of other laws (GLB, UCC 4A, ESign, UETA, UCITA, EU Safe Harbor, state law preemption) (for the lawyers)

9. Include in vendor negotiations and all procurements

10. Assess budget impact
Enterprise Compliance Plan for Information Security

Achieving a reasonable level of security is a multifaceted task

+ Initial and on-going threat assessment (outside experts)
+ Computer security
+ Communications security
+ Physical security: access to premises, equipment, people, data
+ Personnel security
+ Procedural (business process) security

Note: investment compared to the level of security achieved is not a linear relationship!
HIPAA Initial Business Decisions

How can the enterprise operate to enable *joint notices* and *joint consents* that will simplify operations?

- Single provider - single Covered Entity
- Multiple providers - single Covered Entity
  
  (“control” test):
  
  Legally separate covered entities may designate themselves as a single affiliated covered entity if all are under common ownership (5% or more equity) or control (significant influence)

- Multiple providers - Organized Health Care Arrangement
  
  Clinical or operational integration among legally separate covered entities - key is patient’s expectation of integration and joint management - holding out to public of the joint operation

  If develop a *joint notice*, then can use a *joint consent*

- Hybrid organization (e.g., a university)
- Business associate agreement
HIPAA Initial Business Decisions
Disease management and patient advisory issues

What is the role of the entity, e.g., a Pharmacy Benefits Management company (PBM)?

“Treatment”

“Marketing”

The ability of the provider and the PBM to offer care options to patients will depend in part on writing sensible policies that carefully categorize appropriate disease management services as “treatment”
Marketing and Fundraising

(§164.514 (e))

**Definition:** Communication ("to make a communication") about a product or service, a purpose of which is to encourage purchase or use.

Covered entity does not need authorization to use PHI for marketing when it observes these procedures

- Face-to-face encounter:
- Products or services of nominal value; or
- Concerns health-related products and services of the covered entity or a third party, and
  - Allows patient to opt out of future communications; and
  - Entity determines that the communication may be beneficial to health of type or class targeted

- Communication includes required elements, such as statement regarding direct or indirect remuneration
HIPAA Security Standards - A Matrix

- Administrative Procedures
- Physical Safeguards
- Technical Security Services (data storage)
- Technical Security Mechanisms (data transmission)
Administrative Procedures

Security incident procedures. To ensure that security violations are reported and handled promptly, organizations would be required to implement accurate and current security incident procedures. This Administrative Procedure has two (2) required implementation features.

**5th Amendment self-incrimination?**
Administrative Procedures

Security management process. To ensure the prevention, detection, containment, and correction of security breaches, a process for security management would be required. The process would be required to include the establishment of accountability, management controls (policies and education), electronic controls, physical security, and penalties for the abuse and misuse of its assets (both physical and electronic), and to include four (4) implementation features.

**5th Amendment self-incrimination?**
Credit Card Scams Bedevil E-Stores

By Julia Amour

A stolen laptop can be trouble if owner is CEO

By Nick Wingfield

THE WALL STREET JOURNAL

MARKETPLACE

No Signatures to Prove Who Placed Orders, Sites Left footing the Bills
Physical Security

- Assigned Security Responsibility
- Media Controls (formal, documented policies)
- Physical Access Controls
- Policy on Workstation Use
- Secure Workstation Location
- Security Awareness Training

🌟 Issue: nurses’ stations as secure areas. (What about semi-private rooms?)
900,000 People Awaiting Pentagon Security Clearances

Backlog Blamed on Computer Woes, High Turnover, Increased Requirements

By WALTER PINSUS
Washington Post Staff Writer

More than 900,000 people are awaiting Pentagon security clearances while the unit responsible for conducting background investigations struggles with a huge backlog and computer problems, according to a report by the Defense Department's inspector general.

The Defense Security Service has started, but not completed, background checks on about 400,000 of those people, who include military personnel, civilian Pentagon employees and workers at private firms with defense contracts requiring security clearances.

In addition, the DSS has not even begun checking on 505,000 civilian and military personnel who were cleared for classified information years ago and are due for periodic reinvestigation, said the agency's director, retired Lt. Gen. Charles J. Cunningham Jr.

As of February, it took an average of 306 days to investigate a new employee for a top-secret clearance and 300 days to reinvestigate a person who has held a top-secret clearance for five years, the study found.

"We have a continuing problem of large numbers of personnel without updated security clearances."

Donald Mancuso
Deputy inspector general

In his recent Senate testimony, Mancuso attributed the backlog to a high turnover in Pentagon personnel, new requirements for reinvestigations and an increase in the level of security clearances required of new Navy and Air Force recruits.

"We have a continuing problem of large numbers of personnel in mission-critical or high-risk positions without updated security clearances."

Mancuso said. He added that...
HIPAA Compliance Requires Asymmetric Encryption

✓ No other practical way to meet the privacy and security requirements

✓ HHS is fully aware the encryption will be necessary

✓ HHS may not be aware that
  
  ** “Covered entities” typically interconnect (cobble together?) disparate systems from a variety of vendors; these are inelegant solutions (“kluges”)**

  ** “Covered entities” can’t buy an end-to-end solution**

  ** Adding an encryption layer (with all attendant business process changes) will be difficult, time-consuming, expensive - and impossible for some**
Public Key Infrastructure (PKI) Technology

Must be engineered for the industry ("technically mature")
- Engineering for financial industry has taken decades

At the moment, it’s not engineered for health care
- PKI engineering challenge: volume & speed
- Experience: adding PKI = molasses
- No standard = no interoperability (a huge, very real, impediment)
- Expense is high (e.g., $10-$15 per digital certificate)

Ask system vendors - be alert for vaporware ("HIPAA compliant")

Not much else….

“Currently there are not technically mature techniques…[for] nonrepudiation in an open network environment, in the absence of trusted third parties, other than digital signature-based techniques.”
Access is a Separate Set of Issues

- How do you control who is really using the key to which the digital certificate relates?
  - Password alone fails the industry standard of care
  - Password (PIN) plus
    - Secure ID?
    - Smart Card?
    - Biometrics (eventual answer)
  - Auto logoff
  - Emergency access: HIPAA v. malpractice

- How do you pay to administer all this?
  Industry experience: costs rise steeply well before 1,000 cards, tokens, or whatever
Microsoft to Use ‘Biometric’ Tools To Bolster Security for Windows

Microsoft Corp. says it will use biometric authentication tools for Windows, in an effort to bolster security for its software.

The move comes as the company seeks to address growing concerns about security, particularly in the aftermath of recent cyberattacks.

Microsoft is exploring the use of biometric authentication, which uses physical characteristics such as fingerprints or facial recognition, to improve security for its products.

The company is also working on other security measures, including improved data encryption and stronger password policies.

Microsoft’s move to incorporate biometric authentication into its software comes as other tech companies are also exploring the use of biometrics in their products.

Apple, for example, has already incorporated facial recognition into its iPhones, while Google is working on using biometric data to improve its search results.

The use of biometric authentication has grown in popularity in recent years, as consumers and businesses seek ways to protect their data and accounts from unauthorized access.

However, there are also concerns about the use of biometric data, including privacy concerns and the potential for misuse.

Microsoft has said it is committed to protecting user privacy and ensuring that biometric data is used only for the purposes intended.

The company has also pledged to work with regulators and industry groups to ensure that the use of biometrics in technology is done in a responsible and ethical manner.
Selected Questions Awaiting the Final Security Rule

✓ How much detail, and about what, will be required for audit trails?
✓ What are the requirements for certification and accreditation of privacy and security policies and practices?
✓ How much self-reporting of violations will be required, and to whom?
✓ Now that PHI includes oral communications, will we have to encrypt voice channels (i.e., telephone systems), or will there be an exception for telephone communications in the Security Rule?
Will the national security model interfere with delivery of health care?

✓ Sheer cost

** The cost-benefit analysis is highly politicized

** E.g., the congressional privacy caucus; pending legislative proposals

** An unfunded mandate

✓ Business process change in the clinical setting - regime of surveillance and jeopardy

✓ Worries about impact on patient care, research, teaching, and the ethic of medicine

✓ Seeking legislative relief is inevitable (timing)
HIPAA Final Privacy Rule

Philosophy: Patient-Consumer:

- Is entitled to notice
  - Major exception is an emergency
- Must expect that, within a medical care facility, PHI will be shared to facilitate care, payment, business operations
- Is entitled to expect that caregivers will be careful about how PHI is used and disclosed
- Has a right of access to PHI
- Has a right to protest mistakes in PHI and have PHI corrected or otherwise amended
- Is entitled to control the use of PHI in certain circumstances:
  - Research
  - Fund raising
  - Marketing
- Should know that the government can get PHI for law enforcement and health care oversight
HIPAA Concepts
(from context of rules, not specific definitions)

Consent
▷ More general
▷ Relatively less rigorous protection for patient’s PHI
▷ Covers
  ◦ Treatment
  ◦ Payment
  ◦ Health Care Operations
▷ Relates to notice requirements

Authorization
▷ More specific
▷ Relatively more rigorous protection for patient’s PHI
▷ Usually not for
  ◦ Treatment
  ◦ Payment
  ◦ Health Care Operations
▷ Covers optional items
  ◦ Research
  ◦ Marketing/ fundraising
▷ Relates to notice requirements
HIPAA Definitions - Kinds of PHI

- Consent required (§164.506)
- Authorization required (§164.508)
- No consent or authorization required, but patient *must* have chance to agree or object (§164.510)
- No consent or authorization required, and patient *need not* have chance to agree or object (§164.512)
HIPAA NOTICE

Contents (§164.520(b))

✓ All uses and disclosures of patient’s PHI that - without authorization - covered entity (plan or provider) is
  ✓ Permitted to make and
  ✓ Required to make
✓ Covered entity’s (provider’s or plan’s) policies with respect to these uses and disclosures
✓ Long list of patient’s rights (e.g., right to amend PHI)
✓ Separate statement if entity intends to engage in:
  ✓ Appointment reminders
  ✓ Communications about treatment alternatives or other health-related benefits
  ✓ Fund raising for the covered entity
✓ And much more mind-numbing detail!
✓ Does it make sense to hand a new patient a consent form that looks, hefts, and reads like an SEC-approved prospectus? What’s the benefit?
Kinds of PHI - Consent Required

- §164.506 - Combination rules

- Consent may not be combined in a single document with the covered entity’s notice of privacy practices (which we covered earlier)

- Consent may be combined with other types of written legal permission other than an authorization (e.g., informed consent, consent to assignment of benefits, narrow consent under state law to share HIV/AIDS information) if:
  - Each is visually and organizationally separate
  - Each is separately signed and dated

- Consent may be combined with an authorization when
  - Research includes treatment
  - Some of patient’s treatment is research-related and some is not
Medical Record Privacy - Politics

HHS Secretary Thompson - Feb. 28, 2001:

- Final privacy rules will be reopened for comment for 30 days.
  - Deadline: 5 pm EST, March 30, 2001
- Effect on existing final privacy rules:
  - Will become final April 14, 2001.
  - Congressional Review Act of 1996 - to change final rule, Congress must act within 60 days (by April 14). President lacks inherent power to change rules.
- Administrative Procedure Act issues - New notice and comment period after Privacy Rules are final?
- Industry lobbying effectiveness with new Administration?
- Congressional reaction? Pressure on Administration?
National Governors’ Association - Feb. 27, 2001:

“Since enactment of HIPAA in 1996, it has become clear that the length and structure of its implementation period is unrealistic and untenable. The statute directs the U.S. Department of Health and Human Services to develop a series of regulations, each with their own implementation deadline. Unfortunately, it will be impossible for states to effectively comply with any part of HIPAA until all relevant regulations have been finalized and their implications can be assessed as a whole. Therefore, the Governors call upon Congress to amend HIPAA to revise the implementation schedule among the following principles:
Medical Record Privacy - Politics

National Governors’ Association - Feb. 27, 2001:

* No state or other covered entity should be required to begin implementation of HIPAA until such a time as all HIPAA regulations have been finalized.

* A single, uniform date of compliance should be established after the finalization of all HIPAA regulations. Congress must allow states a sufficient and reasonable time period in which to implement this complex law and its multitude of regulations.”
Medical Record Privacy - Politics

HHS Electronic Advisory Group Favors Federal Preemption of State Privacy Rules

A Department of Health and Human Services electronic data advisory group says it favors the preemption of state privacy standards by the federal rules.

During a Feb. 26 and 27 meeting, the Workgroup for Electronic Data Interchange voted to support the principle that the privacy rules mandated by the 1996 Health Insurance Portability and Accountability Act should become the standard for all states.

WEDI members discussed several highly debated issues in the rule, but decided that the only substantive action they would take would be to recommend that Congress support full preemption.

WEDI also may ask state legislators to hold off on enacting new state privacy laws during the two-year implementation period of the final federal rule.
Medical Record Privacy - Politics

√ Congressional Privacy Caucus
  √ Chairs: Sens. Shelby (R-AL) & Bryan (D-NV), Reps. Markey (D-MA) & Barton (R-TX)

√ Impetus:
  √ E-commerce marketing abuses
  √ Consistent surveys: consumer fears of medical record abuse on the Internet
  √ Consistent, effective lobbying by privacy advocates

√ 4 Principles
  √ Notice
  √ Access & correction
  √ Consent
  √ Federal floor - no preemption of stricter state laws
Lobbying approach to comment period

✓ Congress is as important as the Administration
✓ Health care industry should acknowledge weaknesses of relying solely on umbrella organizations
  ✓ Benefits of grassroots comments
✓ Health care industry must acknowledge lack of operational experience with new rules
  ✓ Beware of “sky is falling” effect
  ✓ Choose targets in rules carefully
✓ Health care industry must have a new approach to first principles (privacy = motherhood)
What might first principles be?

Recognition of patient’s important competing rights:

1. Right to be free of unnecessary burdens (ineffectual mandates) when seeking care (e.g., sample notice as akin to SEC-mandated prospectus)

2. Right to receive care in an environment where important clinical information flows are not impeded (disproportionate restrictions)

3. Right to a proportionate government response in balance between protecting patient information and facilitating the availability of clinical information

4. Right to be free from much higher costs that will result from unnecessary record keeping
Medical Record Privacy - Politics

Lobbying approach - additional considerations

✓ The privacy rules can’t be considered outside the framework of the security rules!
✓ The technology necessary for meeting many of the security requirements isn’t available, and won’t be for years:
  ✓ PKI is not yet engineered for information systems and clinical/ business processes in the health industry
  ✓ PKI will be difficult (often impossible) to graft onto many providers’ legacy systems
Medical Record Privacy - Politics

Lobbying approach - additional considerations (cont.)

✓ Patients have a right to a care environment that is friendly and hospitable:

✓ Constant surveillance - a necessary concomitant of the present proposed security and final privacy rules - will make hospitals and physician offices inhospitable settings for patients and their families (as well as for the clinicians and other staff)
Medical Record Privacy - Politics

The privacy of patients’ medical records is exceptionally important, so the approach to protecting privacy must be practical and affordable. Our process must balance consumers’ easy access to health care with their privacy interests; and we should strive keep doctors’ offices and hospitals as friendly places, not make them into fortresses.
Research Compliance: Effect of HIPAA On Research

Carol A. Pratt, Ph.D., JD
Davis Wright Tremaine LLP
Portland, OR
Seattle, Portland, San Francisco, Los Angeles,
Anchorage, HonoluluCharlotte
(503) 778-5279
carolpratt@dwt.com