The Impact of HIPAA and Emerging Technologies

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"HIPAA – an opportunity for continuum of care"

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Agenda: The Impact of Emerging Technologies on the Electronic Health Record

- ◆ Ho-Hum!
- ◆ Why Bring That Up?
  - Computerized Physician Order Entry (CPOE)
  - Patient Physician e-Communication
  - HIPAA
- ◆ Common Barriers
- ◆ A Solution
- ◆ Question and Answer
- ◆ Definitions

I am Frequently Embarrassed to be in the Healthcare Industry!!

Why Bring That Up?

- IOM 1999 Study Showed 100,000 Deaths per Year caused by PREVENTABLE Medical Errors!
  - Studies Show CPOE Reduces These Errors At Least 55%
  - Yet, Less Than 5% of Hospitals Have CPOE!

- Massachusetts 2003 Study of Physician/Patient e-Communication Potential $200M Annual Savings & Improved Quality of Care!
  - Over 80% of Patients Want It
  - Yet, Less Than 20% of Physicians use Email with Patients!

- HIPAA Standardizes
  - Provides Confidentiality, Integrity & Availability of e-PHI
  - Yet, Healthcare Entities Fight it!
  - **Yet,** National Personal Identifier is on HOLD!

Ask, "Is This Good for the Patient?"

Do You Find Any of this Frustrating?

Barriers to CPOE

- Cultural Resistance and Inertia
- Re-engineering the Care Process
- EHR Infrastructure & Lack of Standards
- High Cost and Extended Implementation
- **The Benefits Do Not Accrue to the Purchasers Who Use Them!**

Barriers to Patient- Physician E-communication

♦ Cultural Resistance and Inertia

♦ Re-engineering the Care Process

♦ **The Benefits Do Not Accrue to the Purchasers Who Use Them!**

Barriers to HIPAA

♦ Cultural Resistance and Inertia

♦ Re-engineering the Care Process

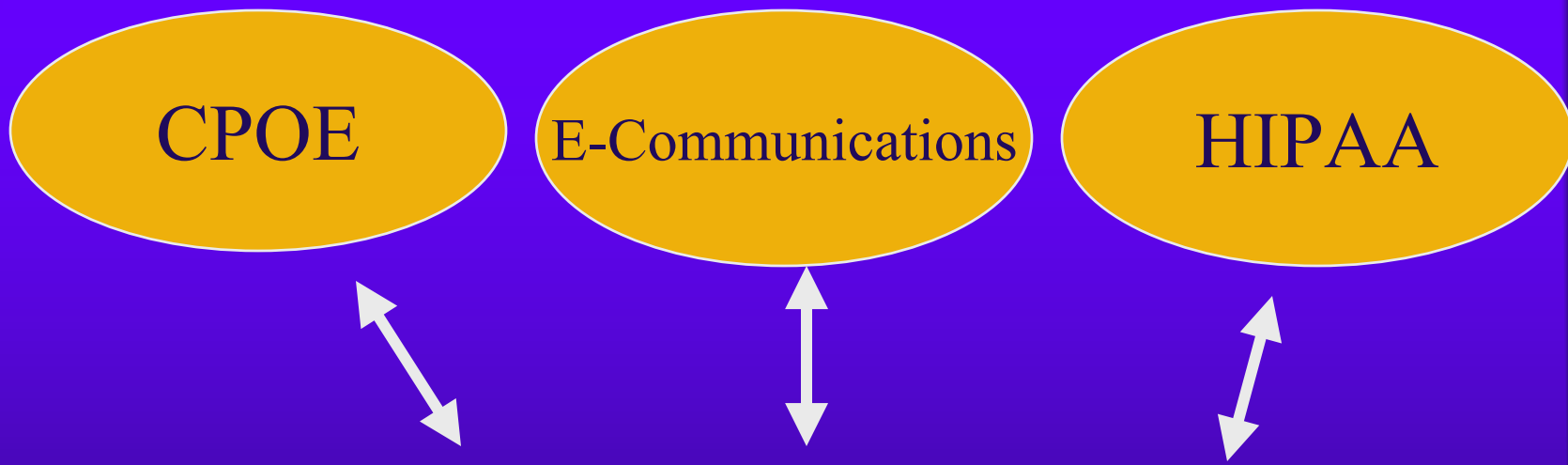♦ **The Benefits Do Not Accrue to the Purchasers Who Use Them!**

Is There a Common Barrier Here?

◆ Cultural Resistance and Inertia

◆ Re-engineering the Care Process

◆ **The Benefits Do Not Accrue to the Purchasers Who Use Them!**

The Goal
Emerging Technology & the EHR!

CPOE

E-Communications

HIPAA

EHR with National Personal Identifier and Electronic and Content Standards

Please Note

- We are NOT Talking About the Benefits of Emerging Technology
  - Research and Implementations have **Already Confirmed**

- We are Talking about Achieving these Emerging Technologies as **"Best Practice"**

A Solution for Achieving Emerging Technologies

♦ Collaboration

– A State Emerging Technology Task Force!

• Involve Key Stakeholders

• Align Cost Burden of Emerging Technologies with Financial Benefits to Eliminate Disconnects

• Stakeholders Need to Share their Cost/Benefit Expense

• Requires Vision, Leadership, and Collaboration Among ALL Stakeholders

– Publicize, Publicize, Publicize

Task Force Option #1 –Stakeholder **Visionary Organizations**

- ♦ Hospitals

- ♦ Physicians

- ♦ Employers – Chamber of Commerce

- ♦ Insurers

- ♦ Administrators/Technologists

- ♦ Assignment:
  - – Select an Emerging Technology
  - – Set Obtainable Milestones and Goals
  - – Publicize

Task Force Option #2 – Stakeholder **Professional Groups**

♦ Assignment:

– Select an Emerging Technology

– Set Obtainable Milestones and Goals

– Publicize

Ask, "Is this Good for the Patient?"

Ask, "Are Emerging Technologies Good for the Patient?"

What Are Your Solutions to Implementing Emerging Technologies?

Open Discussion

- Who Should be in the Task Force?
- How Do We Organize It?
- Who Sponsors the Task Force?
- Ask, "Is this Good for the Patient?"

I am Proud to be part of Healthcare!

And I Want to be Part of the Solution – Not Part of the Problem!

Stephen L. Priest

Stephen L. Priest is managing principal with Professor Steve & Associates. He consults on healthcare information systems and presents seminars on HIPAA privacy, security and electronic standards. Steve is formerly of Dartmouth-Hitchcock Medical Center (DHMC), Brockton Hospital, and Daniel Webster College. He is currently faculty at Saint Joseph's College of Maine developing and teaching online courses in their Masters in Health Administration program.

Steve is the author of information system textbooks and HIPAA articles detailing HIPAA strategies and implementation. Steve is a Certified Professional in Healthcare Information and Management Systems (CPHIMS), and has Fellow status in the Healthcare Information Management Systems Society (HIMSS).

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Definitions

- IOM – Institute of Medicine
- Computerized Physician Order Entry (CPOE) - clinical decision support during the order process: e.g. e-ordering of medications; e- prescribing; diagnostic tests; recent test results; knowledge based rules; reminders & alerts, decrease errors of omission; prewritten specific condition order sets, & no handwritten orders.
- Adverse Drug Events - Preventable ADEs are a leading cause of death in US exceeding motor vehicle accidents, breast cancer or AIDs!
- EHR – Electronic Health Record
  …more definitions…

…more Definitions

♦ HIPAA – Health Insurance Portability and Accountability Act

♦ Physician-Patient e- Communication – request appointments; refill prescriptions; ask clinical questions, self-care reminders, customized education material, self-documenting

References

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- New Hampshire and Vermont Strategic HIPAA Implementation Plan www.nhvship.org/

- Internet Business Group LLC www.ibg.com

- National Institute of Standards and Technology www.nist.gov