FIP Pharmacy Information Section

Patients in Control of Their Records

Uploading medical records to the Web: Threats and opportunities

Wednesday, September 3, 2008

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patientprivacyrights

Threats

America has no definition of 'privacy'

What does 'privacy' mean?

Privacy means control over personal information.

Without control, you have no privacy.

Americans have no control over personal health data

HIPAA eliminated consent

Congress passed HIPAA, but did not pass a federal medical privacy statute, so the Dept. of Health and Human Services (HHS) was required to develop regulations that specified patients" rights to health privacy.

President Bush implemented the HHS HIPAA "Privacy Rule" which recognized the "right of consent".

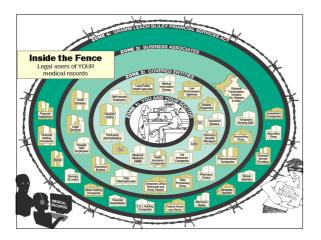
HHS amended the HIPAA

"Privacy Rule", eliminating the
"right of consent".

"... the Secretary of Health and Human Services shall submit to [Congress]...detailed recommendations on standards with respect to the privacy of individually identifiable health information."

"...a covered health care provider must obtain the individual's consent, in accordance with this section, prior to using or disclosing protected health information to carry out treatment, payment, or health care operations."

"The consent provisions...are replaced with a new provision...that provides regulatory permission for covered entities to use and disclose protected health information for treatment, payment, healthcare operations."



Consequences:

- · Job loss/ denial of promotions
 - health data is used to discriminate
- · Data mining and sale of health data
- Bad data/ no data = poor quality of research
 - people avoid participation, lie, omit
- · Insurance discrimination
- National Health IT system will fail

American Employers Discriminate

• 35% of Fortune 500 companies admit to using medical records for hiring and promotions

65 Fed. Reg. 82,467.

Wal-Mart Memo Suggests Ways to Cut Employee Benefit Costs



Redesign benefits and other aspects of the Associate experience, such as job

"The team is also considering additional initiatives to support this objective, including: all jobs to include some physical activity (e.g., all cashiers do some cart gathering)." October 26, 2005

The New York Times

EHRs,PHRs, and prescriptions

Designed for Data Mining

- Weak Security
- No privacy
- Secondary Use

No trusted seal-of-approval for privacy and security (yet)

Weak Security

- · Easy to hack
- · Strong 2-factor authentication not required
- · Data encryption at rest not required
- · Loss/theft of mobile devices
- No role-based access, i.e., no consumer access controls (hacking from the inside)
 - In an 8-hospital system all 33,000 employees can access every patient record

Electronic medical records at risk of being hacked, report warns

CIO news

By Linda Tucci, Senior News Writer 19 Sep 2007 | SearchCIO.com

The electronic health record systems that automate the digitized medical histories of U.S. patients are severely at risk of being hacked, a new report has claimed.

"There was not one system we could not penetrate and gain control of data," said eHVRP board member Daniel S. Nutkis. "These systems were not any worse than banking systems. But the banking systems have elaborate security mechanisms sitting on top of them."

The eHVRP report is based on a 15-month study of more than 850 provider organizations.

NIH Data Breaches

- Barton health records stolen and he's ticked Dallas Morning News, April 3, 2008, by Todd J. Gillman Rep. Joe Barton revealed Thursday that he is one [of the 3,000+] heart patients whose medical records were on an unencrypted laptop stolen from a National Institutes of Health researcher.
- New York Times Editorial re: NIH Breach, March 26, 2008 "There should be a federal law imposing strict privacy safeguards on all government and private entities handling medical data. Congress should pass a bill like the Trust Act, introduced by Representative Edward Markey, a Democrat of Massachusetts, imposing mandatory encryption requirements and deadlines for notifying patients when their privacy is breached. As the N.I.H. has shown, medical privacy is too important to be left up to the medical profession."

Georgia Patients' Records Exposed on Web for Weeks

The New York Times, April 11, 2008, by Brenda Goodman

- A company hired by the State of Georgia to administer health benefits for low-income patients is sending letters to notify tens of thousands of residents that their private records were exposed on the Internet for nearly seven weeks before the error was caught and corrected, a company spokeswoman said on Thursday.
- The records of as many as 71,000 adults and children enrolled in the Medicaid or PeachCare for Kids programs were inadvertently posted on Feb. 12, said Amy Knapp, a spokeswoman for the company, WellCare Health Plans Inc., whose headquarters are in Tampa, Fla.

COMPUTERWORLD

Portable Storage Devices Pose IT Security Risk

How much damage can a memory stick or iPod do? Plenty, say users and Analysts

March 27, 2006 (Computerwoold) - Baptist Memorial Health Care Corp. in Memphis recently found itself dealing with a proliferation of user-owned plug-and-play USB port drives that posed a security risk to sensitive patient data.

Lenny Goodman, IS director for desktop management at the health care company, said users found it difficult to copy significant amounts of data to floppy disks, and the company "did not allow CD writers."

So users turned to "the USB flash drive, with enormous capacity and zero installation." Coodman said earlier this month. Yery handy, very risky—both as a way for data to leave and a way for malware to arrive. We had to do something."

Recognizing the Risk

Eric Ouellet, an analyst at Gartner Inc. in Stamford, Conn., said that <u>only about 10% of companies have</u> any policies dealing with removable storage devices.

http://www.computerworld.com/action/article.do?command=viewArticleBasic&taxonomyName=management&arceleld=109911&taxonomyId=14&intsrc=kc_feat

Los Angeles Times



Fawcett's cancer file breached

The incident occurred months before UCLA hospital employees were caught snooping in Britney Spears' files.

By Charles Ornstein April 3, 2008

No privacy

- Over 4 million 'covered entities', including providers, self-insured employers, data warehouses, etc, can access protected health information for treatment, payment, and healthcare operations
- Millions more 'business associates' can use data without consent
- Audit trails NOT required for all uses and disclosures

Secondary Use

- The business model for many EHRs and PHRs is selling data for secondary use and data mining
- · Major academic hospitals sell patient data
- · Insurers sell data
- · All prescriptions are data mined and sold

Healthcare IT News

Practice Fusion expands, shows signs of rapid growth

By Diana Manos, Senior Editor 12/31/07

Practice Fusion subsidizes its free EMRs by selling de-identified data to insurance groups, clinical researchers and pharmaceutical companies.

<u>Howard</u> said he does not expect data-sharing will be a concern to physicians who use Practice Fusion's EMRs. "Every healthcare vendor is selling data."

EMR vendor sells patient data to for-profit genetics research firm

Healthcare IT News, 3/20/2008 by Richard Pizzi

- "Perlegen Sciences, Inc., a company exploring the clinical application of genetic research, plans to collaborate with an undisclosed electronic medical records vendor to identify and develop genetic markers that predict how patients are likely to respond to specific medical treatments.
- Under the terms of the agreement, Perlegen, based in Mountain View, Calif., will have exclusive access to the EMR vendor's database of U.S. records for the purpose of assessing and selecting patients from whom appropriate genetic samples could be collected."

In August, 2006, a large insurer, with plans in all 50 states, announced the creation of a new business unit to aggregate and sell the claims and health records of 79 million enrollees:

The Medical Director said that the intended use of the database is to "service the big employers that pay the bills and want to pay smaller bills for health insurance."

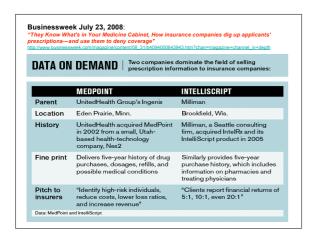
He was "very enthralled about the ability to help multi-state employers fix their healthcare costs." During the one and one-half years that the plan had been building the database, he had "never heard about privacy concerns."

Personal health information is for sale Table 1: Sample Data Elements for Commercial and Medicare Databases | Demographic | Medical Information | Health Plan Features | Plancisl | Unglished and | Unglishe

Medicare and Medicaid data is for sale Employer 57%

All 51,000 American pharmacies are data mined

- Nex2, Inc. (Sold to United Healthcare in 2002): In stealth-mode, Nex2 built what are arguably the largest, near-realtime drug history databases in the world, with over 200 million Americans' five-year running drug histories online (over 12 TB total). The databases are updated every 24 hours by every retail pharmacy in America via the PBMs... [these] prescription profiles acting as a powerful surrogate for the medical record itself.
- All of this is HIPAA compliant because the insurance company always has the release, signed by the individual applicant. United Healthcare's Ingenix unit now runs these massive virtual database operations, still in stealth-mode, for obvious reasons.





US Pharmacists Code of Ethics

A Pharmacist has the duty to observe the law, to uphold the dignity and honor of the profession, and to accept its ethical principles.

A Pharmacist should respect the confidential and personal nature of his professional records; except where the best interest of the patient requires or the law demands, he should not discle such information to anyone without proper patient authorization.

A Pharmacist should not agree to of the quality of his service, or which

A pharmacist respects the covenant relationship between the patient and pharmacist.

A pharmacist promotes the good of every patient in a caring, compassionate, and confidential manner.

A pharmacist serves individual, community

A pharmacist seeks Justice 'in the distribution

When health resources are allocated, a pharmacist is fair and equitable, balancing

Demonstrating respect for the dignity, views a rights of others is fundamental in forming and maintaining professionally appropriate relationships with patients, their carers, colleagues and other individuals with whom you come into contact with. In your Professional practice you must:

3.5 Respect and protect the dignity and privacy of others. Take all reasonable steps to prevent accidental disclosure or unauthorised access to confidential information and ensure that you do

3.6 Obtain consent for the professional services, treatment or care you provide and the patient information you use.

3.7 Use information obtained in the course of professional practice only for the purposes for which it was given or where otherwise lawful.

Patients, colleagues and the public at large place their trust in you as a pharmacy professional. You must behave in a way that justifies this trust and maintains the reputation of your profession. You must:

6.3 Avoid conflicts of interest and declare any personal or professional interests to those who may be affected. Do not ask for or accept gifts, inducements, hospitality or referrals that may affect, or be perceived to affect, your professional

6.6 Comply with legal requirements, mandatory professional standards and accepted best practice guidance.

IOM Survey: People Won't Participate in Research Without Privacy

by Dr. Alan F. Westin, October 2,

2007

- Only 1% agreed that researchers would be free to use personal medical and health information without consent
- Only 19% agreed that personal medical and health information could be used as long as the study "never revealed my personal identity" and it was supervised by an Institutional Review Board.

"It's pretty clear that the public is afraid of taking advantage of genetic testing," said Dr. Francis S. Collins, director of the National Human Genome Research Institute at the National Institutes of Health.

"If that continues, the future of medicine that we would all like to see happen stands the chance of being dead on arrival."

The New york Times

Insurance Fears Lead Many to Shun DNA Tests

By <u>AMY HARMON</u> Published: February 24, 2008



Katherine Anderson, seen in a checkup last week, developed a blood clot last year partly due to an undiagnosed genetic condition.

Opportunities

Smart Solutions

'Smart' Legislation

'Smart' Technology

- Health Trusts or Banks
- · Independent Consent Management Tools
- State-of-the art security

'Smart' Certification

'Smart' Legislation

- · Bipartisan Coalition for Patient Privacy
 - 2007 privacy principles
- · Health Banking legislation
 - Independent Health Record Trust Act, HR 2991
- · HIT legislation
 - TRUST Act (Technologies for Restoring Security and Trust), HR 5442 introduced Feb 14, 2008

Trusted Certification

PrivacyRightsCertified, Inc.

Consumer-led organization offering a Good Housekeeping Privacy Seal-of-Approval for HIT systems and products that ensure consumer control of PHI

Privacy Rights Certified will ensure Americans
UNDERSTAND PHRs and EHRs, CHOOSE wisely, and take steps to PROTECT their most intimate information.

Progress with Privacy: Join Patient Privacy Rights

www.patientprivacyrights.org

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