Mobilizing the Academic Medical Library

University of Connecticut Health Center
LM Stowe Library

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http://library.uchc.edu

Where Do You Stand?

My library provides mobile resources.

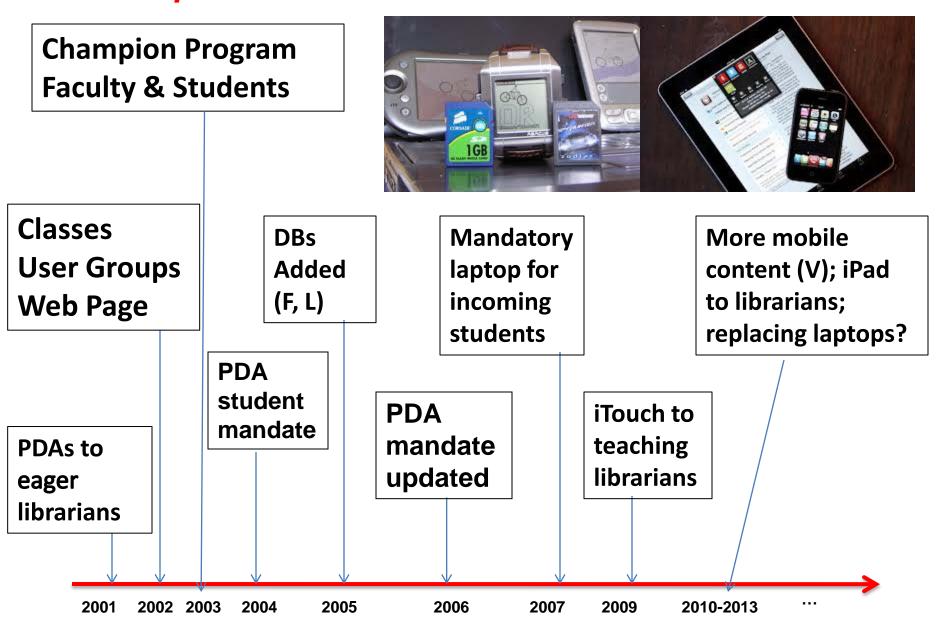
Where Do You Stand?

I feel comfortable teaching about mobile devices and resources.

Where Do You Stand?

Do you have an established relationship with IT to help support mobile resources?

Our experience at UCONN Health - TIMELINE



Our Strengths

Library reports to CIO

- Good relations with IT
- Service oriented academic computing support
- Proven track record with faculty, staff, students
- Library staff willing to accept new challenges

Library collaboration - faculty and students

- Champion program
- Mandated smartphones for 3rd year Med Students

Our Challenges

- Financial issues
- Getting time to work with students
- Not easy to be bridge between IT and users
 - Different culture and language
- Security issues
 - Encrypting student laptops
 - Recognizing danger of mobile devices

Why encryption?

SC Magazine > Blogs > The Data Breach Blog > Stolen laptop compromises patients of California medical group



ugust 07, 2013

Stolen laptop compromises patients of California medical group

The California-based Refinal Consultants Medical Group website says it oriers patients "uncompromising care," but a compromise of data is exactly what patients got after a laptop containing sensitive client information was stolen.

How many victims? Unknown.

What type of personal information? Name, date of birth, gender, race and optical coherence tomography images – all unsecured.

What happened? An investigation is ongoing, but the laptop was stolen after the office was closed.

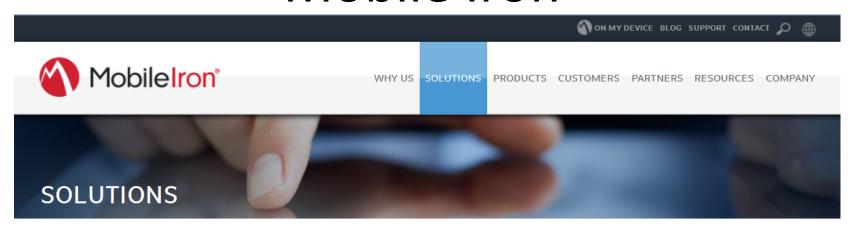
What was the response? The theft was reported to the local police department. A letter dated July 31 was mailed to affected patients alerting them of the breach. The company is increasing the physical security of imaging and other equipment stored at its offices, increasing the interior and exterior security c its offices, and requiring additional information when confirming a patient's identity on the phone. Addition (though undisclosed) steps are being taken to secure laptop data.

Details: Employees discovered on June 7 that the laptop, a component of a diagnostic imaging machine, was stolen sometime after the offices closed on June 5. An investigation is ongoing.

Quater "As a result of our investigation we are not aware of any unauthorized use of the DLI Investored



Mobile Iron



MOBILEIRON PLATFORM AND SOLUTIONS OVERVIEW

MOBILE FIRST

MOBILE DEVICE MANAGEMENT >

MOBILE APPLICATION MANAGEMENT

MOBILE CONTENT MANAGEMEN►

BYOD

BES REPLACEMENT

MOBILE SECURITY

Secure Email and DLP

ANDROID FOR BUSINESS

Mobile Security: The MobileIron Layered Security Model

Mobile Security

The goal of a Mobile First IT organization is to serve the needs of the business by establishing the best mobile user experience for the employee. **Mobile security** should be invisible to the user while still protecting corporate data.

MobileIron's Layered Security Model protects corporate data without compromising the user experience. It provides the basis for a partnership between IT and employees based on productivity, not restriction, without putting enterprise data at risk.

Layered Security for the Enterprise Persona



Layered Security for the Enterprise Persona

An enterprise persona is the collection of enterprise data (email, apps, documents, web content) and settings (certificates, policies, configurations) on an employee's mobile device.

What about smartphone security?

- BYOD (Bring your own device) policy
- New UCONN Health policy in 2012
- Mandates that all smartphones need to have security software installed in order to use UCONN Health email

What are our Outcomes

- Meaningful curriculum impact
- Powerful collaboration and Faculty buy-in
- Helping solve institutional problems
- More opportunities

What are other institutions doing?

- Mobile services for broke libraries: 10 steps to mobile success
 - Houghton, Sarah: The Reference Librarian 53:313-321, 2012
- Rethinking our mobility: supporting our patrons where they live
 - Gomes A & Abate L: MRSQ 31(2): 140-149, 2012

What are other institutions doing?

- The mobile medical library is there an app for that?
 - Schnell, Eric: Journal of Electronic Resources in Medical Libraries, 9(2): 147-154, 2012
- Yale Medical School iPad Program
 - http://clc.yale.edu/2012/04/03/yale-medicalschool-ipad-program/

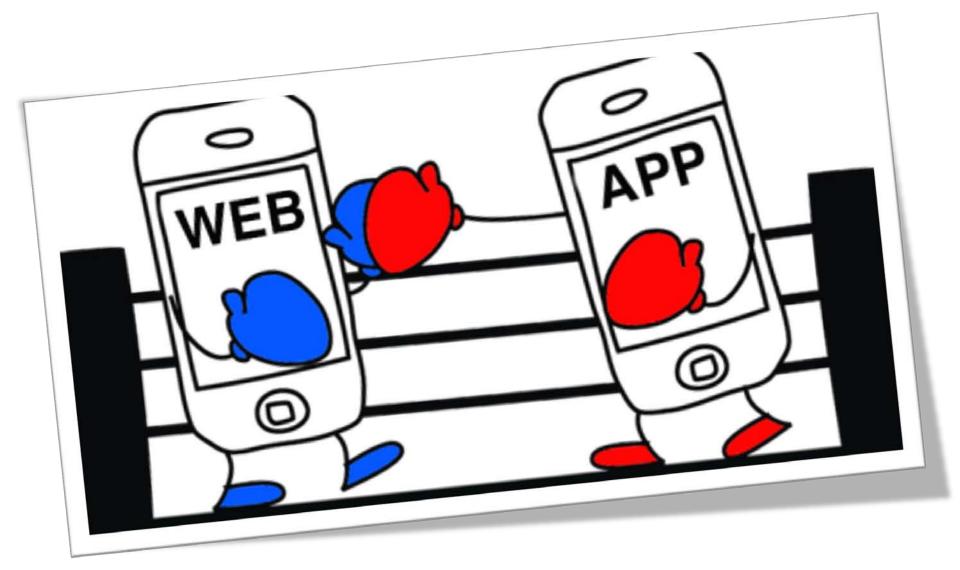
What can YOU do?

- Your administrative challenges & strengths
- Your technical challenges & strengths
- Your financial challenges & strengths

What to do Next?

iBookAuthor WearableTechnology ewMediaConsortium agMyDoc











Mobile Website

Standard Website

Going Mobile: Two Approaches

Content

Centered

Device Centered





Information Literacy: Fixed or Mobile

	"Fixed" IL	"Mobile" IL
Where?	Largely in "set" places. At a	Anywhere; any mobile device
where?	Largely in set places. At a	Anywhere; any mobile device
	desktop computer (with little	(phone, games device, eBook
	variation in software); at a fixed	reader - massive variation in
	workplace; within a library.	device).
What?	Anything and everything.	Normally quick information, often
		context or location specific.
		Context of location specific.
How?	Range of established tools to	Often narrow Apps and individual
	access and manage wide range of	specialist sites rather than open
	information sources. Standard	web.
	search engines.	
Time spent?	Varies. Often slow, long access.	Quick / Fast only. Shorter
	People spending long periods	searches. Little pondering and
	searching for, organising and	extracting information. Favour
	extracting information, especially	short chunks of info.
	for academic use.	"Convenience" of device.

Walsh, Andrew and Godwin, Peter (2012) It's just not the same: mobile information literacy. In: M-libraries 3: Transforming libraries with mobile technology. Facet, London, pp. 109-118.

Information Literacy: Evaluating Resources

- Scholarly or Popular?
- Author
 - Know who creates the content
 - Know who creates the app
- Is the information objective?
 - Identify the sponsor of the content/app
- Is the information up to date?
 - Identify the update schedule
- Access issues
 - Print, Electronic, App?



Challenges

Strengths



Mobile's Impact on Libraries: Resources

- Install Instructions:
 - http://library.uchc.edu/departm/cec/hh/hhsoft.html
- Licensed Apps
 - DynaMed
 - Lexi-Comp
 - VisualDx





Lexi-Comp



Pharmacologic Category

Analgesic Combination (Opioid)

Dosing: Adult

Pain management (analgesic): Oral (doses should be titrated to appropriate analgesic effect): Average starting dose in opioid naive patients: Hydrocodone 5-10 mg 4 times/day; the dosage of acetaminophen should be limited to ≤4 g/day (and possibly less in patients with hepatic impairment or ethanol use).

Dosage ranges (based on specific product labeling): Hydrocodone 2.5-10 mg every 4-6 hours (maximum dose of hydrocodone may be limited by the acetaminophen content of specific product)

Dosing: Geriatric

Doses should be titrated to appropriate analgesic effect; 2.5-5 mg of the hydrocodone component every 4-6 hours. Do not exceed 4 g/day of acetaminophen.

Dosing: Pediatric

Pain management (analgesic): Oral (doses should be titrated to appropriate analgesic effect):

Children 2-13 years or <50 kg: Hydrocodone 0.1-0.2 mg/kg/dose every 4-6 hours; do not exceed 6 doses/day or the maximum recommended dose of acetaminophen

Children ≥50 kg: Refer to adult dosing.

Dosing: Hepatic Impairment

Use with caution. Limited, low-dose therapy usually well tolerated in hepatic disease/cirrhosis; however, cases of hepatotoxicity at daily acetaminophen dosages <4 g/day have been reported. Avoid chronic use in hepatic impairment.

Use: Labeled Indications

Relief of moderate-to-severe pain

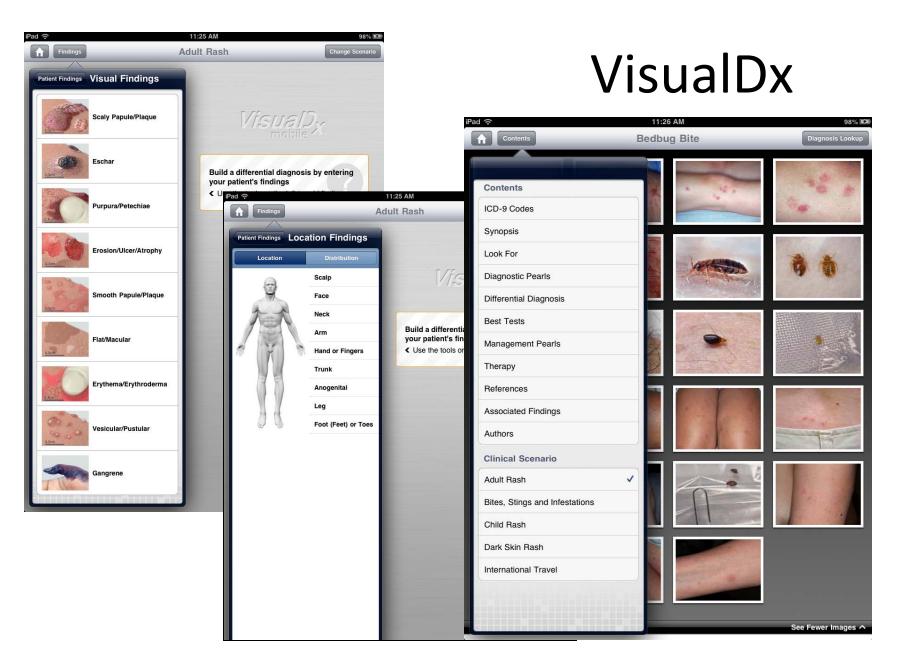
Contraindications

Hypersensitivity to hydrocodone, acetaminophen, or any component of the formulation; CNS depression; severe respiratory depression

ALERT: U.S. Boxed Warning

The FDA-approved labeling includes a boxed warning. See Warnings/Precautions section for a concise summary of this information. For verbatim wording of the boxed warning, consult the product labeling or www.fda.gov.





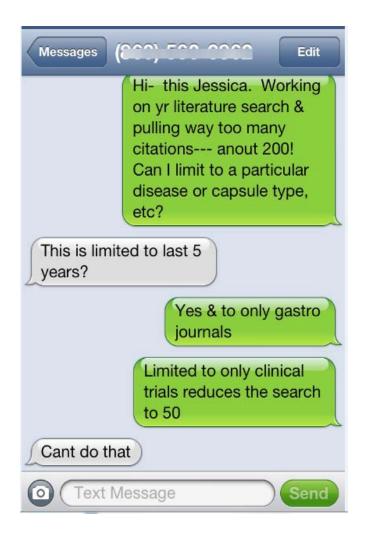
Mobile's Impact on Libraries Reference Desk Interactions

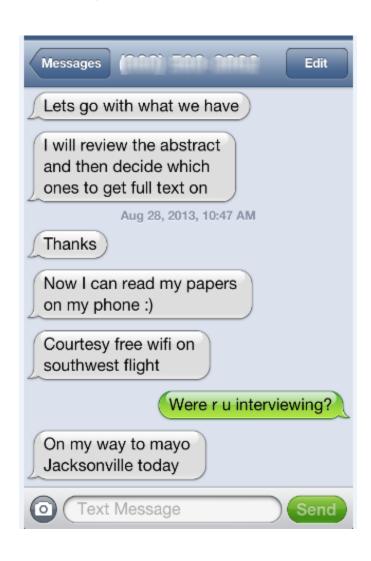


Mobile's Impact on Libraries

Reference Interview, Literature Search, Access to Full

Text?





Mobile Future

- Consumer Health
 - MyFitness Pal, Glucose Buddy, Ovulation Tracker
- Productivity Tools
 - Dropbox, EverNote
- Clinical Research
 - mHealth
 - PTSD research



Card Exchange

- On the front of your index card, write your name and email address
- Take away
 - On the back of your index card, write how your will apply what you learned today
- Network
 - Exchange cards with another participant
 - Send a follow-up email in month to your partner to see how they are using mobile in their library

Questions for us?

