

Award Recipient Project Reports

Lunch with the RML

November 29, 2012



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iPads and Clinical Staff: Using Mobile Devices to Access Evidence-Based Knowledge

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Mary Evans



Goal

- To use iPads to demonstrate to our staff the availability of evidence-based resources on our web pages

Target Audiences

- Our hospital nurses
- Student nurses who have clinical rotations in our hospitals
- Our medical staff

Project Description

Our award was for the purchase of five iPads with covers and service contracts:

- 2 iPads for Benedictine Hospital (one for the librarian, one loaner)
- 2 iPads for Kingston Hospital (one for the librarian, one loaner)
- 1 iPad for Margaretville Hospital (under the supervision of the Director of Nursing)

Specific Goals

1. Educate myself in the use of a mobile device and increase my comfort level in regard to this new technology. Provide the same opportunity for the librarian at Kingston Hospital.
2. Enhance the image of our libraries as being technologically at the forefront.

Specific Goals (cont.)

3. Promote the use of our currently existing evidence-based web resources.
4. Develop our working relationship with nursing instructors from surrounding colleges, centered around the use of iPads or other mobile devices.

Results

- 27 demonstrations with 134 staff in attendance.
- Total of 8 loans, including:
 - Diabetes education
 - MRI safety video on YouTube
 - Brain app for an ICU nursing course
- 50% of the staff unaware that mobile devices could be used to access our full-text books.

Problems Encountered

- Time constraints
- WiFi signal weak or nonexistent in some areas of our facilities
- Discovered some links on our web pages didn't work
- Needed to replace Smart Covers with Otter Cases
- Less enthusiastic response than expected
- Little contact with nursing instructors

Steps in the Award Process

1. Application, including letters of support
2. Outreach Applications Online Form
3. Federal Tax ID #, hospital audit, taxpayer ID #
4. Subcontract agreement with University of Pittsburgh

Steps in the Award Process (cont.)

5. Invoice for all expenses incurred
6. Interim report, Final report
7. *Lunch with the RML presentation!*

Award Implementation Tasks

- Learn how to use the iPad
- Draft a policy for the loan of the iPads
- Create fliers
- Learn how to generate and use QR codes
- Publicity

Reflections on the Necessity of EXPERTISE

- Need *not* be an expert in everything an iPad is capable of doing
- Sufficient to learn how to demonstrate the use of your current library resources
- Open to learning from your patrons

iPad Loan Agreement

As a borrower of a HealthAlliance Library iPad, I agree to the following policies:

1. The iPads must remain within the HealthAlliance facilities at all times: Benedictine Hospital, Kingston Hospital, Margaretville Hospital, and Mountainside. Borrowers will keep the iPads in their possession or locked up when not in use. They may not loan the iPads to or leave them in the possession of anyone else.
2. When an iPad is borrowed, a specific appointment is made for its return and it must be **personally** handed to one of the librarians or to the designated person at Margaretville/Mountainside.
3. The iPads will be loaned for a time period mutually agreed upon by the borrower and the librarian, generally 48 hours or less. At the end of that time period, a \$5.00 fine per day will be imposed until the iPad is returned.
4. Borrowers are personally responsible for the safe return of the iPads and are responsible for the cost of repair or replacement of damaged or lost iPads. They will read and sign a copy of the iPad Loan Agreement when an iPad is borrowed to acknowledge their financial responsibility.

Scheduled Date, Time, and Location for Return of the iPad

Borrower's Name (Printed) _____

Borrower's Department _____

Borrower's Phone Number(s) _____

I agree to the above terms.

Borrower's Signature _____

Date and Time of Actual Return (to be signed by the librarian):

StatRef on your Mobile Device At Benedictine Hospital

These instructions are for using StatRef on the iPad, iPhone, and iPod Touch.

1. Go to your Medical Library web page:
<http://bene.hospitalservices.senylrc.org/>



Enter the following as requested:

Username = xxxxxxxx

Password = xxxxxxxx

2. Select StatRef within the E-Resources. Click on Your Preferences in the upper right hand corner. Fill in your e-mail address and choose your own personal password.
3. Click the Temporary Login Account tab and click the Activate/Renew icon. This temporary login can be used for 90 days, at which time you must click the Activate/Renew button again.
4. On your mobile device, download the Stat Ref app using the App Store icon. You must set up an account with them if you have not already done so.
5. Click on the app and enter your e-mail and password.

For further assistance, contact Medical Librarians Mary Evans (334-3148) or Margaret Cirillo (334-2786).

INDIVIDUAL ASSESSMENT OF THE IPAD AS A CLINICAL TOOL

1. Do you currently own a smart phone or mobile tablet? YES NO
2. Were you aware before this demonstration that full-text clinical books could be accessed from a mobile device? YES NO
3. How would you rate this iPad for:
- | | | | |
|---------------|------|------|------|
| Searchability | GOOD | FAIR | POOR |
| Speed | GOOD | FAIR | POOR |
| Display | GOOD | FAIR | POOR |
4. Would you use a mobile device to access evidence-based resources in the future? YES NO
5. Circle the way in which you prefer to find the answers you need:
- BOOK PC MOBILE DEVICE

IPAD DEMONSTRATOR QUESTIONS

Note to Demonstrators: Record all answers you receive on this sheet and return it to the library. You do not need a separate sheet for each participant. Use as many copies of this sheet as needed.

1. What did you like about the iPad?
2. What other apps would you like to see on our iPads?
3. What do you see as the advantages of using this as a tool to retrieve evidence-based knowledge?
4. Which of the resources that you just saw could you potentially use in your practice?

Publicity & Outreach

- Service of the Week (a system-wide e-mail newsletter)
- HAppenings (printed HealthAlliance newsletter)
- Demonstrations in the library, staff offices, cafeteria
- Fliers sent by e-mail
- Nursing council meetings
- New employee orientations

SUCCESS & PROGRESS

- Successful implementation of the award
- Progress in introduction of new technology



iPads to Support Outreach, Mobile Technologies, and Instruction Outside the Talbot Research Library

Beth A. Lewis, MLS
Alexandre Pfundt, MLIS

December 2011- April 2012



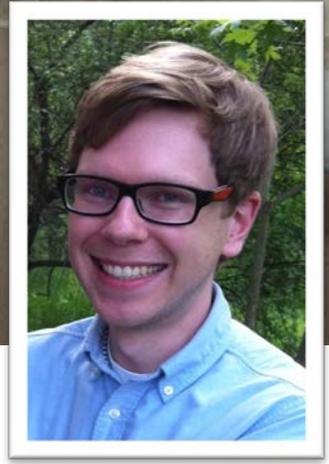


Fox Chase Cancer Center

- Mission is entirely dedicated to cancer treatment, research, prevention, and education
- NCI-designated cancer center
- Magnet Hospital
- Stand-alone institution until July, 2012
- Offers post-doctoral research programs, radiation oncology residency programs, and specialized medical and surgical fellowships



Talbot Research Library of Fox Chase Cancer Center





Project Overview

- Requested the iPad2, a budget to purchase apps and VGA and AV adapters
- Goals were:
 - For librarians to learn and use mobile technology and to support users using mobile technologies
 - To expand and enhance the library's outreach efforts and increase library visibility



Goal – Learning and Supporting Mobile Technology

- iPads were intuitive and easy to use!
- We established an Apple ID; purchased iTunes cards
- Librarians attended an ALA webinar, “Integrating iPads and Computer Tablets into Library Services”
- Promoted / publicized apps on *Mobile Resources LibGuide* and in *Talbot Topics*

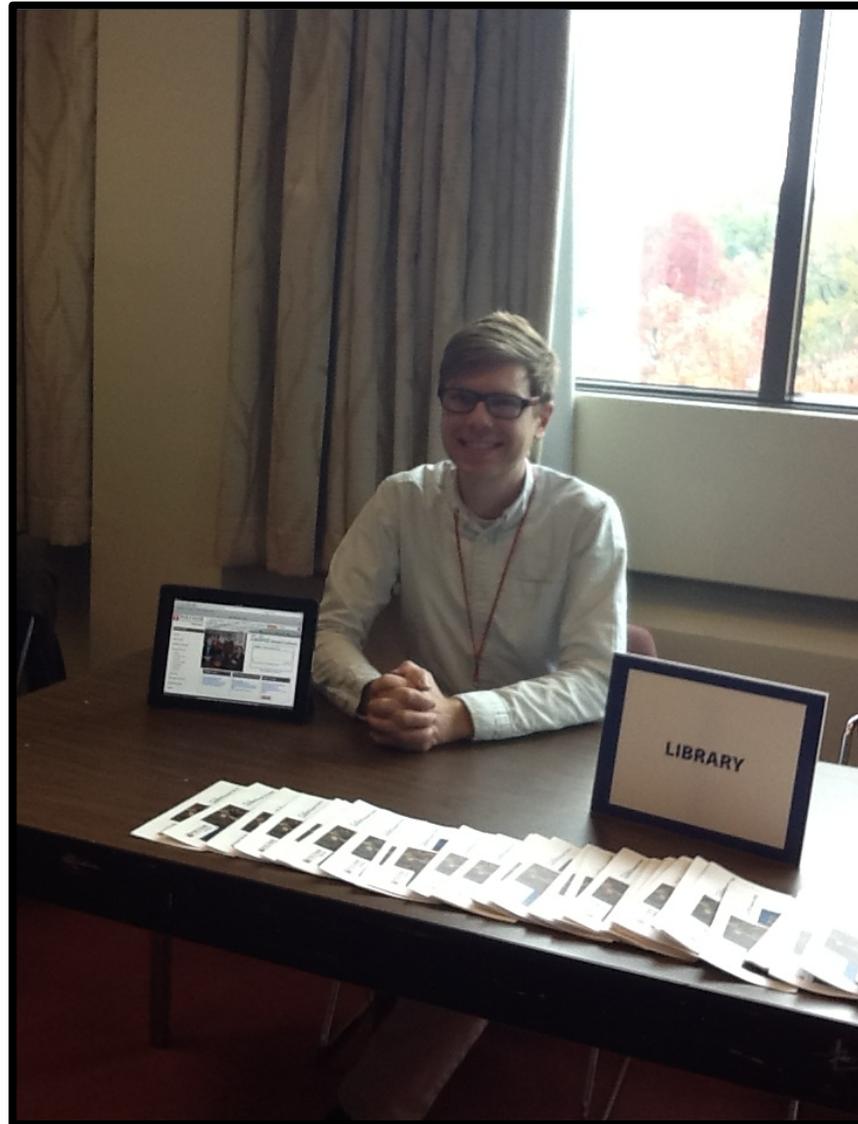


Goal – Expand and Enhance Library’s Outreach and Reference Service

- Used iPads instead of PCs for presentations, teaching, and orientation
- Carried them with us for chance reference encounters
- Toted them to meetings
- Used them in the library



New Staff Orientation Fair





First Tuesdays Tea with a Librarian

TALBOT RESEARCH LIBRARY

A librarian from the Talbot Research Library is available every first Tuesday during afternoon tea in the cafeteria for one-on-one consultations.

- Need assistance with finding information or guidance on selecting and using electronic resources?
- Looking for help formulating a better search strategy?
- Have an EndNote or PubMed question?
- Interested in finding out how a librarian can make your job easier?

No question is too big or small. Come find us, first Tuesday of the month at 3:30pm during afternoon tea in the cafeteria!





Outcomes

- iPads were portable, easy, and reliable
- iPads engaged our users; great response time provided a teachable moment
- iPads have some drawbacks; figured work-arounds
- Librarians contribute more at meetings
- Librarians seen as “cool” and “tech savvy”
- Boss thought we were being “creative and forward thinking”



Lessons Learned and Recommendations

- Support is essential – from IT, from your boss, and from the library staff
- Use the devices and integrate them into your workflow
- Have fun and be enthusiastic!
- What would I have done differently? Perhaps ask for an additional tablet, such as the Samsung Galaxy

USE OF IPADS TO SUPPORT PRODUCTIVE LEARNING IN THE FIRST 50 WEEKS OF A NEW MEDICAL SCHOOL

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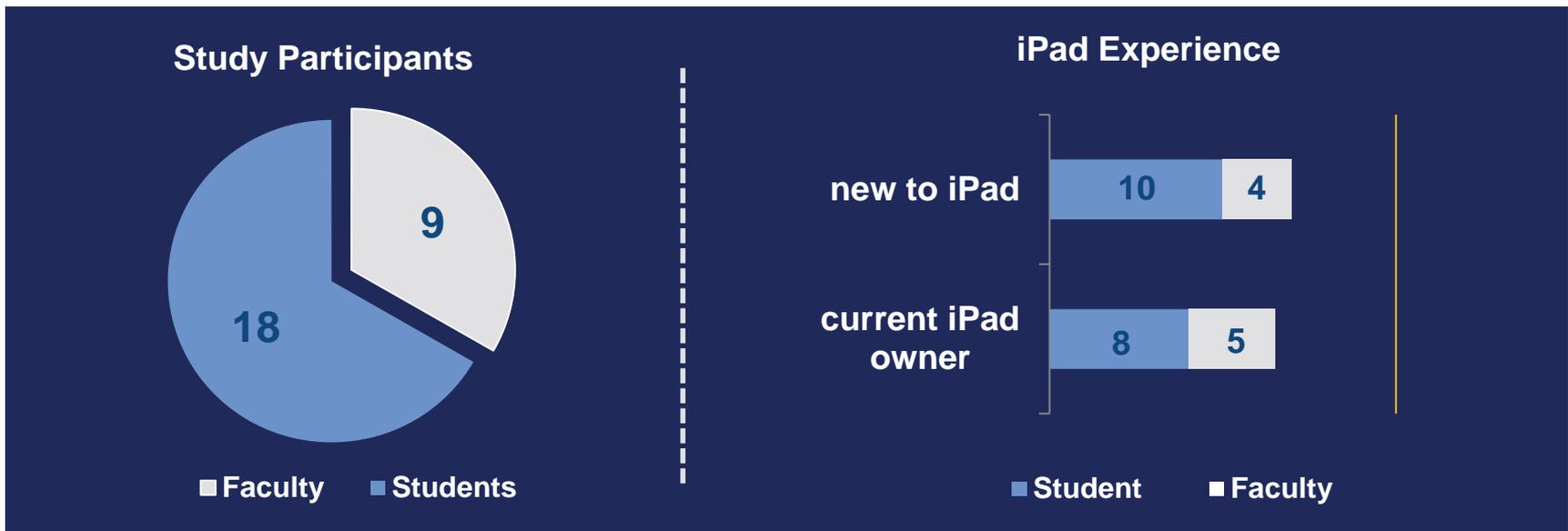


HOFSTRA NORTH SHORE-LIJ
SCHOOL *of* MEDICINE
AT HOFSTRA UNIVERSITY

Objective

The Health Sciences Library at Hofstra North Shore-LIJ School of Medicine explored the efficacy of using iPads with e-textbook, productivity, and medical applications (apps) downloaded on them to support productive learning and enhance digital technology within the School's integrated curriculum.

45% of the 40 students in the School volunteered to participate in the study.



Project was funded by the National Network of Libraries of Medicine, Middle Atlantic Region.

Methods



The pilot project was conducted from December 2011 – April 2012 with the purchase of **10 iPads**.

- A set configuration of productivity and medical apps, and a total of 20 chapters from five different e-textbooks required for the curriculum.
- Students who had their own iPad were given access to the same set of apps.
- Generic accounts were created for access to preloaded app content but allowed participants to add apps of their choosing.
- Frequency and efficacy of use by students and faculty was assessed by survey.

iPad Applications Used in Study

	iAnnotate		Med Calc
	Pages		MediBabble
	Keynote		MedScape by WebMD
	iBooks		Micromedex
	Notepad		Modality Body
	Calculate by QxMD		Molecules
	Cardioteach		PubMed on Tap
	Epocrates		Rh Medical labs
	Eponyms		Skyscape
	Inkling textbooks		uCentral Textbooks

Survey revealed the most frequently used apps during the study were Mobile Safari*, Inkling, iAnnotate, iBooks, and Pages.

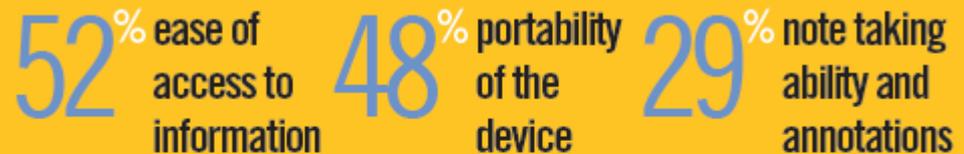
The high Mobile Safari app usage is attributed to the accessing of Health Sciences Library online resources and the inability to provide an institutional Blackboard Mobile™ app license.

Results

A majority of the students reported that the iPad provided easier access to educational resources and saved time.

- They reported improved ability to take class notes and share information with other students, helping with organization of their studies.
- Usage was particularly high by students in self-directed learning and in preparation for their small group case sessions.
- Faculty reported limited usage, mainly due to time challenges.

top 3 strengths



top 3 weaknesses



Comments

“Its size makes it more socially acceptable to use than a computer when talking to patients. The battery life only contributes to its portability in being able to travel without a charger. Having books on there makes it easier to do readings while in cars or even in bed comfortably.”

“No great app that incorporates typing and drawing. Limited textbook availability (expense wise). Not really a functional replacement for a laptop.”

Lessons Learned

- Consider peripheral keyboards, stylus, 3G, enhanced infection control for use in clinical settings
- Opportunities needed for faculty to share ideas for integrating iPad usage into classroom sessions
- Faculty considering future plans for large scale tablet implementation

Outcomes and Moving Forward

- The project was a great opportunity for the library staff to take the lead in exploring use of tablet technology at the School.
- Five of the iPads with additional textbooks downloaded, were added to the library collection for short-term circulation.
- Students were very appreciative and provided excellent feedback that will be helpful in making future decisions regarding School of Medicine support for tablet use.

Visit the iPad Study Libguide, for more information about our project:

http://libguides.hofstra.edu/ipads_Poster_2012

A Library Without Walls:

Use of iPads to promote e-resources
from any location in the Medical
Center using WiFi

Award Overview

Purpose: To obtain iPads as a means of promoting e-resources to Medical Center staff wherever their location.

Goals

1. Increase awareness amongst staff about the various e-resources available through the library's website
2. Take advantage of the iPad's portability and the Center's wireless network to showcase e-resources
3. Instant access to e-resources in meetings, in hallways, in any location
4. Ultimately, to improve use of e-resources and track an increase in usage

Timeline

- **December 2011** – award submission and approval
- **January 2012** – iPad purchase and configuration; instant access using wireless WiFi system and guest access
- **February - March 2012** – Promotions, demonstrations, follow-up survey with three questions and one open-ended comment option
- **April 2012** – Library Open House and iPad demos; completion of award and submission of final report

Results

- Completed over 30 live demos
 - Library open house
 - General medical staff meeting with over 100 MDs
 - Multidisciplinary meetings
 - Six department staff meetings
- Demo locations included hallways, meeting rooms, departments, Medical Staff Lounge, Administration Suite, several offices located on campus
- One barrier encountered – off-site clinics do not have the same wireless connection set-up so demos would not have worked (unless clinics had WiFi, which they did not)
- Survey results – 94% “very satisfied” with library’s suite of e-resources
- Library Web Gateway usage stats jumped over 50% compared to the previous 6 months!

Major Revelation

- Medical Library Web Gateway was not mobile-enabled!
- Website was easily accessed and navigated, but it required a lot of screen scrolling and awkward flow

Secondary Revelation

- Most of the staff used the web site occasionally, but all said it was hard to navigate

Resulting Decision?

- We migrated to a new web platform and created an entirely new website using LibGuides from Springshare:
<http://vbmc.libguides.com/Library>

Mary Jo with iPad in-hand, doing a demo with one of our cardiothoracic surgeons



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