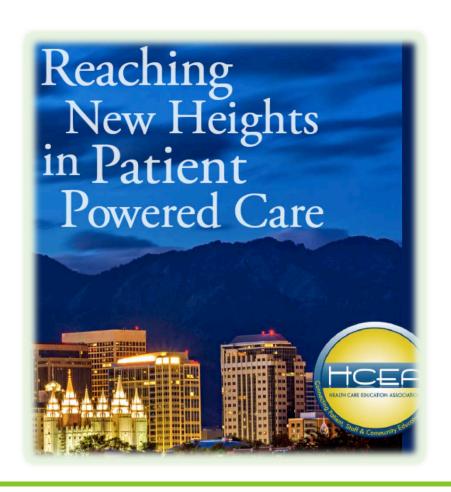
Following the Path of the Patient



Evaluating Technology-Enabled Patient Education

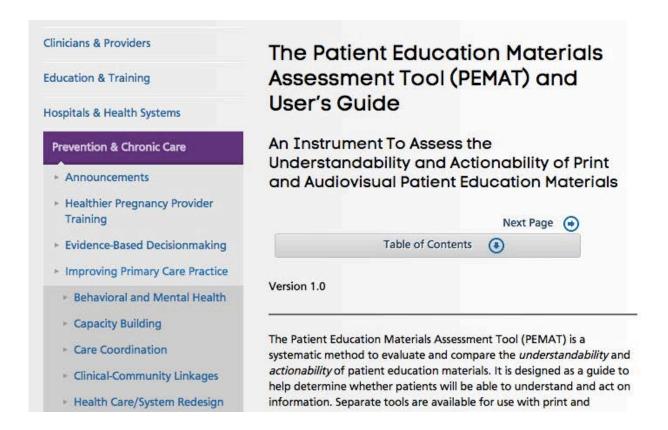
Susan C. Hull MSN, RN-BC, NEA-BC September 7, 2017

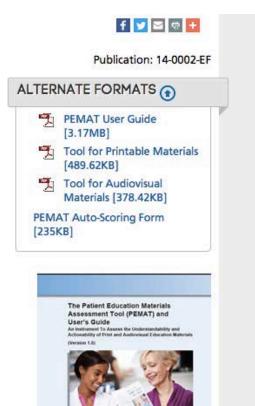
PART 2 slides

Lens 3: Health Literacy

PEMAT

Patient Education Materials Assessment Tool





Discussion Paper

Designing Health Literate Mobile Apps

Jordan Broderick, Theresa Devine, Ellen Langhans, Andrew J. Lemerise, Silje Lier, and Linda Harris*

January 28, 2014

*Participants in the activities of the IOM Roundtable on Health Literacy's Collaborative on New Technologies

INSTITUTE OF MEDICINE

OF THE NATIONAL ACADEMIES

Advising the nation • Improving health

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https://health.gov/communication/lite BPH-HealthLiterateApps.pdf

National Library of Medicine (NLM)



Center for Health Literacy Promotion

Action research for effective use of health info & services

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Research Summaries

Health Literacy Library

Health Literacy Definitions

Health Literacy Resources

CHLP Blog

Free Training

Beginnings Guides

WUN Collaboration

Events

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Promoting Health Literacy with Free Information & Cool Tools from Your National Library of Medicine

These videos and accompanying materials may be used freely for educational purposes only as long as no changes are made, attributions are retained, and no part is sold or used for any commercial purpose.

This three-part video training series is designed for social and health services providers and programs with limited time and money for training and materials. The brief videos (8-10 minutes) are intended for independent or small group learning and for use in staff meetings, trainings and other scheduled activities. For details on the presenters, producer, and funder see the Facilitator's Guide.



Session 1 (8 min) introduces the two part challenge of promoting health literacy. Then Gail Kouame of the National Network of Libraries of Medicine takes viewers on a tour of the free, evidence-based information resources of the National Library of Medicine. She demonstrates how to access MedlinePlus, Genetics Home Reference and

<u>ClinicalTrials.gov</u> from any computer. Gail's tour models how to introduce the resources to families and so accomplish the first challenge - to empower a person to obtain information that is reliable, understandable, actionable, and free.

Session 1: Pre-test Post-test Handout View Video #1

Beginnings Guides





It matters what a mother knows and what a mother does.

Beginnings Guides are designed to complement counseling during office and home visits for prenatal and parent education and family support. The Guides are both teaching & learning materials for promotting health literacy, reflective.

function, and other essential life skills for parents.

In English & Spanish Easy to read. Rigorously tested in Early Head Start, Healthy Start, Healthy Families, Strengthening Families, First Five, Families First, Parents as Teachers, teens ...

Complements Ages & Stages. Companion to the Life Skills Progression instrument.

Beginnings Pregnancy Guide translates the health promotion content of prenatal care into easy-to-read practical guidance for a healthy pregnancy. Now in its 8th edition. 6 booklets (96 pages) referenced by gestational age.

Over 310,000 families served

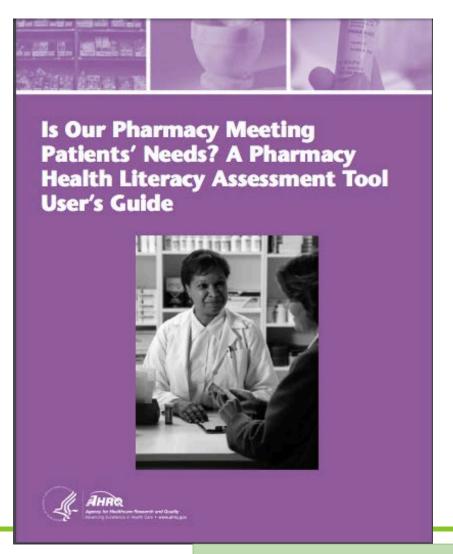
FAQ Pregnancy Guide

Key Messages

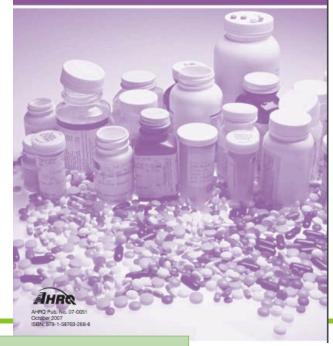
AHRQ Health Literacy Tools for Use in Pharmacies

The Agency for Healthcare Research and Quality (AHRQ) has developed six health literacy tools for pharmacy:

- Pharmacy Health Literacy Assessment Tool & User's Guide.
- Training Program for Pharmacy Staff on Communication.
- Guide on How To Create a Pill Card.
- Telephone Reminder Tool To Help Refill Medicines On Time.
- Explicit and Standardized Prescription Medicine Instructions.
- How to Conduct a Postdischarge Followup Phone Call
- Health literacy tools to improve communication for providers of medication therapy management
- Want to learn more about these tools? Go to: AHRQ Tools



U.S. Department of Health and Human Services Public Health Service Agency for Healthcare Research and Casalty 540 Gaither Read Reviolate AID 20552



https://www.ahrq.gov/sites/default/files/publications/files/pharmlit.pdf

CDC A-Z INDEX Y

Health Literacy



CDC > Health Literacy > Health Literacy Research

Evidence Reviews & Research Summaries







Here you will find the most recent evidence report on health literacy interventions and outcomes and brief research summaries on health literacy topics.

Health Literacy Evidence Reviews

Health Literacy Interventions and Outcomes: An Updated Systematic Review 2. The Agency for Healthcare Research and Quality (AHRQ) summarizes the evidence on health literacy and outcomes in a systematic review.

Research Summaries on Health Literacy Topics

CDC is committed to applying and sharing research to improve health literacy. In our Research Summaries section we present findings from recent published studies focused on specific health literacy topics. See our Science Bites for very brief summaries of select findings and recommendations for practice. Use these summaries to improve the effectiveness of your communication and program activities.

- > Numeracy affects decision-making about health risks
- Limited health literacy can affect self-care abilities, readmission, and early death for people diagnosed with heart disease

Visual Communication Resources





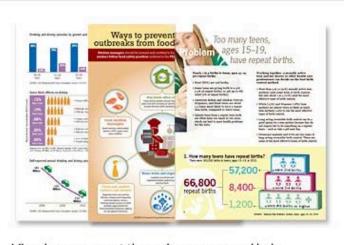


Visuals, such as pictures, drawings, charts, graphs and diagrams, can be effective tools for communicating health information. Visuals can make the presentation of complex information easier to comprehend, more attractive, and can also reinforce written or spoken health messages.

Visual communication can benefit all audiences, but can be especially helpful to individuals with lower literacy and numeracy skills. Remember, though, that visuals can't speak for themselves. People can interpret visuals, just as they do words, in different ways. Choose visuals that support the main message and have clear headings, labels, and captions.

Below are several resources for public domain health pictures, as well as resources that will help you make decisions about choosing images that effectively communicate your message and graphic displays your audience will understand.

- Public Health Image Library (Centers for Disease Control and Prevention 2008)
- Making Data Talk [2 MB, 52 page] (NIH National Cancer Institute)



Visuals can support the main message and help audiences understand numerical information.



A Scientifically Vetted Style Guide for Communicating Health Data

About

The Wizard

Browse the Gallery

Using Visualizing Health

What & Why

Data can help people make better decisions about their health. But it's not always clear what sort of presentation will make the most sense to the most people. ... READ MORE

How

Visualizing Health contains graphic displays of health information that we've validated through research among the general public. ... READ MORE

Who

Visualizing Health was developed by the University of Michigan, with funding from the Robert Wood Johnson Foundation. ... READ MORE



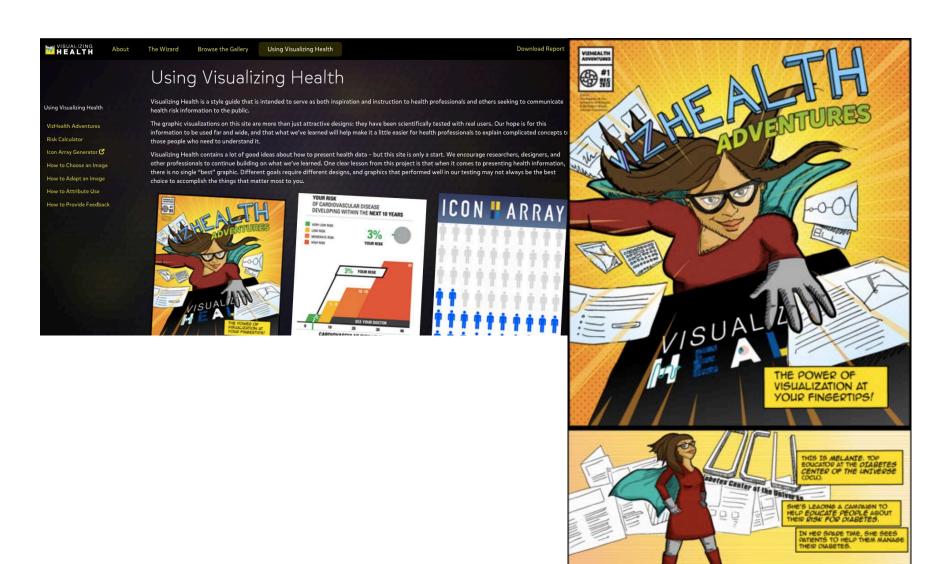
Support provided by

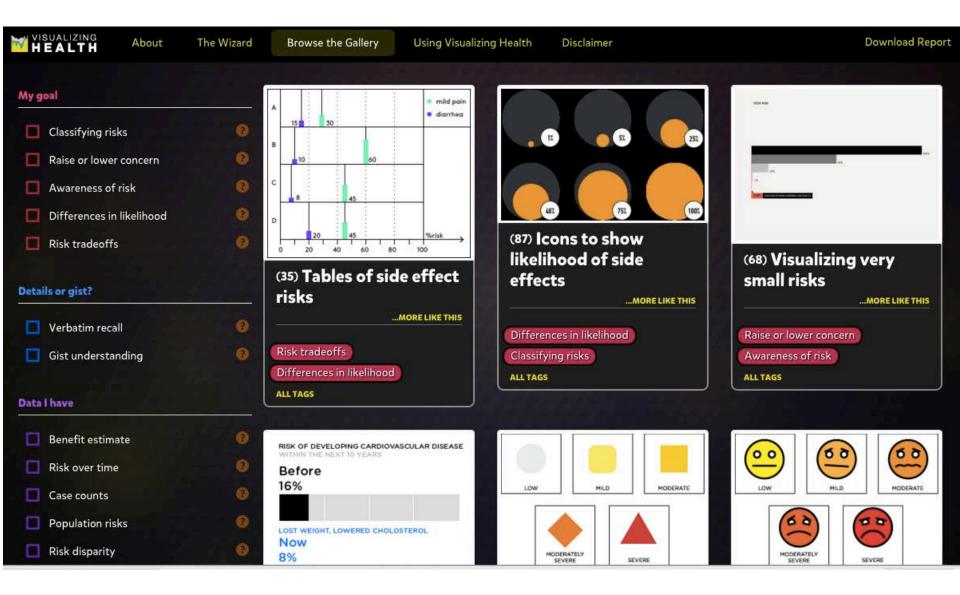
Robert Wood Johnson Foundation

© 2014 The Regents of the University of Michigan and the Robert Wood Johnson Foundation.

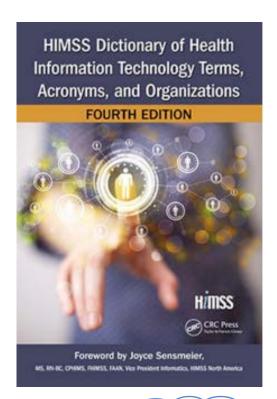
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http://www.vizhealth.org/





Lens 4: Interoperability and Usability



More than 3000 definitions

Interoperability means the ability of health information systems to work together within and across organizational boundaries in order to advance the effective delivery of healthcare for individuals and communities.

- "Foundational" interoperability allows:
 - data exchange from one information technology system to be received by another and does not require the ability for the receiving information technology system to interpret the data
- "Structural" interoperability is:
 - An intermediate level that defines the structure or format of data exchange (message format standards)
 - To ensure uniform movement of healthcare data from one system to another such that the clinical or operational purpose and meaning of the data is preserved and unaltered
 - Defines the syntax of the data exchange
 - Ensures that data exchanges between information technology systems can be interpreted at the data field level
- "Semantic" interoperability provides:
 - Highest level interoperability, which is the ability of two or more systems or elements to exchange information and to use the information that has been exchanged
 - Takes advantage of both the structuring of the data exchange and the codification of the data including vocabulary so that the receiving information technology systems can interpret the data
 - This level of interoperability supports the electronic exchange of patient summary
 information among caregivers and other authorized parties via potentially disparate
 electronic health record (EHR) systems and other systems to improve quality, safety,
 efficiency, and efficacy of healthcare delivery





Emerging HL7 mHealth Standards

1. mFHAST

- Mobile Framework for Healthcare Adoption of Short-Message Technologies standard
- transport, structure and content

2. MH2F

- Mobile Health Functional Framework Standard
 - Consumer Mobile Health Application Functional Framework

3. FHIRframe

 Fast Healthcare Interoperability Resources for mobile devices open API standard

4. Meds-on-FHIR

Patient Medication Administration IG using FHIR profile

Usabilty, Design, Interoperability Recent Research

- Georgsson, Mattias., Staggers, Nancy. "An evaluation of patients' experienced usability of a diabetes mHealth system using a multi-method approach," Journal of Biomedical Informatics. Volume 59, February 2016, Pages 115-129. Retrievable at: http://www.sciencedirect.com/science/article/pii/S1532046415002762
- Ashurst, Emily J. and Jones, Ray B. "Is the Health App Challenge approach of patient-led application conception, development, and review worthwhile?" Health Policy and Technology (2017) 6, 83–92. Retrievable at:
 http://www.sciencedirect.com/science/article/pii/S2211883716300909#t0020
- "Challenges in Assessing Mobile Health App Quality: A Systematic Review of Prevalent and Innovative Methods," American Journal of Preventive Medicine, Volume 51, Issue 6, December 2016, Pages 1051-1059. Retrievable at: http://www.sciencedirect.com/science/article/pii/S0749379716302574
- Schnall, Rebecca., Bakken, Sue., et. al. "Usability Evaluation of a Prototype Mobile App for Health Management for Persons Living with HIV," Student Health Technology Informatics, 2016, 225: 481-5.

Usabilty, Design, Interoperability

Recent Research, 2

- Schnall, Rebecca., Rojas, Marlene., Bakken, Suzanne., Brown, William., Carballo-Dieguez, Alex., Carry, Monique., Deborah Gelauded, Deborah., Patterson Mosley, Jocelyn., and Travers, Jasmine. "A user-centered model for designing consumer mobile health (mHealth) applications (apps)," Journal of Biomedical Informatics, Volume 60, April 2016, Pages 243-251. Retrievable at: http://www.sciencedirect.com/science/article/pii/S1532046416000241
- McMillan, Brian., Hickey, Eamonn., Patelb, Mahendra G., and Mitchell, Caroline. "Quality assessment of a sample of mobile app-based health behavior change interventions using a tool based on the National Institute of Health and Care Excellence behavior change guidance," Patient Education and Counseling. Vol.99 Issue 3, March 2016, pp429-435. https://doi.org/10.1016/j.pec.2015.10.023 Retrievable at: http://eprints.whiterose.ac.uk/91906/3/Quality%20assessment.pdf
- Brown III, William., Yen, Po-Yin., Rojas, Marlene., Schnall, Rebecca d"Assessment of the Health IT Usability Evaluation Model (Health-ITUEM) for evaluating mobile health (mHealth) technology," Journal of Biomedical Informatics. 2013 Dec; 46(6):1080-7. doi: 10.1016/j.jbi.2013.08.001. Epub 2013 Aug 23. Retrievable at: https://www.ncbi.nlm.nih.gov/pubmed/23973872

Usability Testing with Think Aloud Protocol

Think Aloud is a usability assessment method commonly employed to determine users' thoughts and opinions while they perform a list of specified tasks with a system.

• Originated in 1984 in psychology (Simon and Ericsson); Rev in 1993, well established within the Human Factors field.

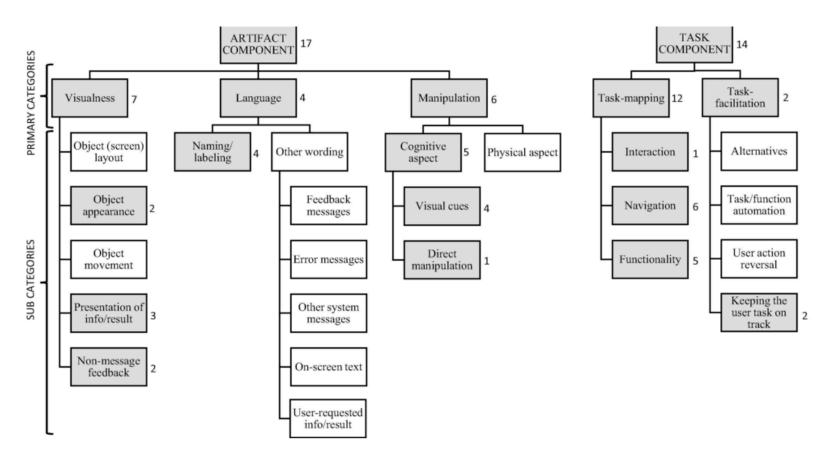
Asks users to talk aloud during their interactions, to express their reactions and thinking and to explain what they are doing as they perform specific, representative tasks.

- Data is audio- and/or video-recorded and/or an observer takes thorough, written notes
- Minimal intervention from the tester assures users' thought processes are not interrupted except to remind them to keep talking.
- The focus is on understanding users' decision making processes and on how users experience the system in their own words
- Because the method provides extensive, detailed data, only a small sample of five to eight users is needed in usability testing to detect 80–85% of usability problems, to gain a thorough understanding of task behavior and to identify the main usability problems

Testing recommendations:

- Representative tasks for the specific domain are also essential, and they should be as realistic as possible
- Conduct in the actual user's context or one as close to the natural environment as possible

Think Aloud Protocol



Am J Infect Control. 2015 Jun 1; 43(6): 572-576.

Published online 2015 Mar 4. doi: 10.1016/j.ajic.2015.01.021

A Review and Analysis of Existing Mobile Phone Applications for HAI Prevention

Rebecca Schnall, RN, MPH, PhD, Assistant Professor and Sarah Iribarren, RN, PhD, Postdoctoral Research Fellow

Author information ▶ Copyright and License information ▶

The publisher's final edited version of this article is available at <u>Am J Infect Control</u> See other articles in PMC that cite the published article.

Abstract

Go to: ☑

Background

The expanding number of mobile health applications (apps) holds tremendous potential to reduce and eliminate healthcare associated infections (HAIs) in clinical practice. The purpose of this review was to identify and provide an overview of the apps available to support prevention of HAIs and to assess their functionality and potential uses in clinical care.

Methods

We searched three online mobile app stores using the following terms: infection prevention, prevention, hand hygiene, hand washing, and specific HAI terms (catheter-associated urinary tract infection (CAUTI), central line-associated bloodstream infections (CLABSI), surgical site infection, and ventilator associated pneumonia (VAP)).

Results

Search queries yielded a total of 2,646 potentially relevant apps, of which 17 met our final inclusion criteria. The areas of focus were: CAUTI (n=1, 5.9%), VAP (n=1, 5.9%), environmental monitoring (n=2, 11.8%), hand hygiene (n=2, 11.8%), and the remainder (n=11, 64.7%) were focused on more than one area (e.g., multiple infection prevention bundles or infection prevention guidelines).

Conclusion

Mobile apps may help reduce HAI by providing easy access to guidelines, hand hygiene monitoring support, or step-by-step procedures aimed at reducing infections at the point of clinical care. Given the dearth of available apps, and the lack of functionality with those that are available, there is a need for further development of mobile apps for HAI prevention at the point of care.

Keywords: mobile apps, healthcare associated infections, mHealth technology

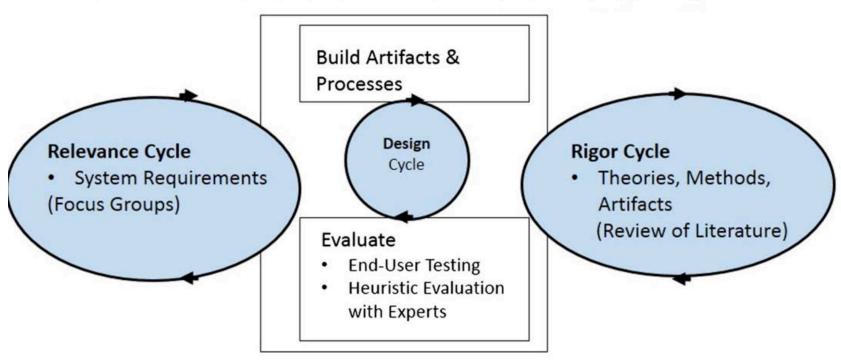
17 m-health apps (out of 2646) met inclusion criteria for mHealth apps for HAI prevention

Given the dearth of available apps, the lack of functionality within the apps, there is a need for further development of apps for HAI prevention at the point of care.

Schnall, et. al

A user-centered model for designing consumer mobile health (mHealth) applications (apps)

A User Centered Model for Mobile Health (mHealth) App Design



Schnall, Rebecca., Rojas, Marlene., Bakken, Suzanne., Brown, William., Carballo-Dieguez, Alex., Carry, Monique., Deborah Gelauded, Deborah., Patterson Mosley, Jocelyn., and Travers, Jasmine. "A user-centered model for designing consumer mobile health (mHealth) applications (apps)," Journal of Biomedical Informatics, Volume 60, April 2016, Pages 243-251

NICE Behavior Change Guidance

NICE health behavior change guidance can be adapted to quality assess mobile apps.

- 9 themes relevant to app quality assessment were identified from the NICE guidance:
 - 1. Purpose of the app
 - 2. Planning and development
 - 3. Usability
 - 4. Initial assessment and tailoring
 - Behavior change techniques (BCT)
 - 6. Behavioral maintenance and relapse prevention
 - 7. Evaluation
 - 8. Documentation
 - 9. Data protection
- The purpose of the mobile health behavior change apps sampled was clear overall.
- There was poor evidence for user and professional input, usability, and tailoring.
- This tool lays the groundwork for a mobile app quality assessment framework.

Table 2
Health-ITUEM concepts and representative quotes from the exemplars.

Error prevention	System offers error management, such as error messages as feedback, error correction through undo function, or error prevention, such as instructions or reminders, to assist users performing tasks	R: Oh no. When the phone first came to me, I did not know how to turn it off. I took out the battery and put it back in, and still said emergency, and I thought it was something wrong with the phone. So, I pushed the reset and it just restarted everything M: It erased everything that was on there. R: Yes. (Exemplar 2)
Completeness	System is able to assist users to successfully complete tasks. This is usually measured objectively by system log files for completion rate	R: Did you guys put an app of books; like that you could look up books? R: I saw that R: Yes, when I first M: It was already on there for the phone, yes R: That came in handy M: The books, the list of books? R: Yes. I was reading a lot M: Really? R: Yes. (Exemplar 2)
Memorability	Users can remember easily how to perform tasks through the system	M: You forgot about your diet or you forgot about the app? R: Both. (Exemplar 2)
Information needs	The information content offered by the system for basic task performance, or to improve task performance 26,27	M: And now do you find those answers on your phone?
	performance, or to improve task performance	R: Well, simply type in the answer. They have like the Yahoo answer. And I can see if anybody else is going through the same problems I am. (Exemplar 1)
Flexibility/Customizability	System provides more than one way to accomplish tasks, which allows users to operate system as preferred	"Voice to text," is an important feature (Exemplar 1)
Learnability	Users are able to easily learn how to operate the system	M: So, did anyone look at any of the apps or some of the information online and just not understand what it was saying? Like the obesity app, was it confusing? R: No (Exemplar 2)
Performance speed	Users are able use the system efficiently	M: Okay, so what do you use it for? R: Facebook and (inaudible), mostly. Also check my email there because I do not feel like going on a computer to check the mail. (Exemplar 1)
Competency	Users are confident in their ability to perform tasks using the system, based on Social Cognitive Theory ^{28,29}	So like it depends on if you feel you can trust it, or if it matches up with what's going on with you. (Exemplar 1)
Other outcomes	Other system-specific expected outcomes representing higher level of expectations.	R: If I have any health-related problems I usually just go on Google and it takes to me some doctor website, where real doctors answer the questions (Exemplar 2)

Lens 5: Connected Health + Care Integrating Care across Settings 2.0

- Face to face traditional care
- Virtual Visits
 - F-mail
 - Video
 - Combination
- Remote Patient Monitoring (RPM)
- Tele-health
- Tele-therapies
- Avatars
- Virtual Reality, Augmented Reality
- Amazon Echo
- Individual, Group, Family, Neighborhood Visits and Tools

Increasing needs for cross-cutting and Integrated Patient Education

One example: RPM With Vivify Health



Vivify Health

Kit Contents



Objective 4

Share best practices in your settings to deepen partnership with others -- including patients, communities & HIT partners.

Deepening Partnership with Patients, Communities & HIT Partners

Small Group Exercise: Circle in groups of 3-4

Round One:

Describe a recent technology-enabled development experience where you successfully partnered with your HIT colleagues to bring the voice of patients and patient communities to the patient education table?

What facilitated success? What barriers/hurdles need to be overcome?

Round Two:

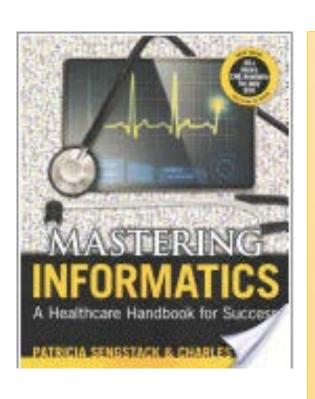
Share a recent success with a technology-enabled patient education evaluation.

- Which lenses were included? Which were most helpful?
 - Traditional m-health, Co-production, Paient Activation, Health Literacy, Usability and Interoperability, Connected Health – Connected Care, and Others?
- What key learnings you will take forward to other efforts?

Objective 5

Anticipate future trends to guide capacity building within this community.

Are We Prepared?



"The future of mobile, smart and connected health innovations are predicted to come sooner than our ecosystem of care, infrastructure and health policy can prepare for."

Susan C. Hull, Chapter 17, p.

Circa Late 90'S

P4 Medicine

 Leroy Hood (2010), well known as the inventor of the first automated DNAsequencing machine and founder of the **Biology Systems** Institute at University of Washington, and for his work with the Ohio State **University Idea** Studio, is credited for his definition in the late 1990s of **P4** Medicine

Prediction:

Using two new sources of health-related diagnostic data—genetic makeup and protein biomarkers—care providers can generate comprehensive predictions about a patient's health future, including the current effects of any abnormal genes and the current reactions to any environmental toxins or infectious pathogens.

Personalization:

Understanding each individual's genetic makeup and differences is supporting new approaches to personalization of care. On average, each human differs from another by less than 1% of his or her genetic makeup. These genetic differences give rise to our physical differences, including our potential predisposition to various diseases.

Prevention:

Approaches based on each individual's genetic makeup and current blood protein markers will help us determine the probability of an individual contracting certain diseases, as well as reveal how an individual may respond to various treatments, thereby providing guidance for developing customized therapeutic drugs and other prevention strategies.

Participation:

Because of prediction, personalization, and prevention, Hood predicted that patients will more actively **participate** in their health and well-being.

However, participatory medicine will require the development of powerful new approaches for securely handling enormous amounts of personal information, including that generated from mHealth solutions, and for educating patients, physicians, nurses, and the entire collaborative care team.

Circa 2000

"Consumer Informatics Supporting Patients as Co-Producers of Quality" at the AMIA Spring 2000 Congress

Key themes:

- Changes in roles of consumers and providers
- 2. Support for a patient–provider–information technology partnership
- 3. Virtual, not physical, structure for health care and health care information delivery
- 4. Health care as an integrated part of each person's life



J Am Med Inform Assoc. 2001 Jul-Aug; 8(4): 309-316.

PMCID: PMC130075

Consumer Informatics Supporting Patients as Co-Producers of Quality

Bonnie Kaplan, PhD and Patricia Flatley Brennan, RN, PhD

Affiliations of the authors: Yale University, New Haven, Connecticut (BK); University of Wisconsin, Madison, Wisconsin (PFB).

Correspondence and reprints: Bonnie Kaplan, PhD, President, Kaplan Associates, 59 Morris Street, Hamden, CT 06517; e-mail: bonnie.kaplan@yale.edu.

This work was presented at the AMIA 2000 Spring Congress; May 23-25, 2000; Boston, Massachusetts.

Congress Recommendations:

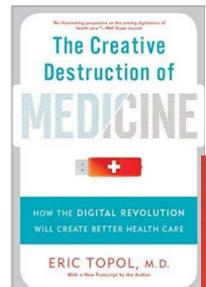
- 1. AMIA take an active leadership role in consumer health informatics.
- Specific recommendations were made concerning research, new patient record systems, provider support, information access and evaluation, and policy and regulation.

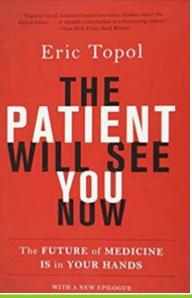
Circa 2012

Re-Classifying Health and Patient Education

Topol (2012, p. 229) predicted that:

- "the entire classification system of medical conditions and diagnosis is about to be rewritten."
- Advances in understanding systems biology, genetics, and genomics are bringing new tools into the health domain of providers and patients; these will combine in powerful ways, enabled by mHealth innovation.
- There is a need and opportunity for nursing and patient educators expertise to join and develop this emerging field.





Codifying the Individualome

Omics and the Science of Individuality (Topol 2012)

- Today's healthcare is rather impersonalized
 - "We use only a few measurements to diagnose disease and are generally unable to make fine distinctions among individuals' values, beliefs, preferences, health behaviors, and determinants of health, or between subtle variations of the same disease."
- The convergence of digital health tools that map individual differences in the epigenomic markings, bringing a window into understanding how every organ system responds with the environment.
- Many of these scientific breakthroughs are being established in the field labeled the "-omics"
 - **Proteome**: for proteins, their structures, and functions
 - Transcriptome: for the genetic material transcribed into RNA
 - Metabolome: for molecules and how they are metabolized in our bodies, such as hormones
 - **Glycome**: for sugars
 - Lipidome: for lipids
 - Interactome: for how proteins relate to one another
 - Exposome: for how an individual's environment influences their health

December 2016

Why APIs?



Making digital health data useful to patients is a national priority—and application program interface technologies, or APIs, are needed to realize this goal.

- API technologies, adopted widely in banking and retail, make it possible to move information easily between computer systems or programs.
- APIs are used to let ATMs connect to banks and airline systems to connect to travel portals.
- APIs have the potential to remove many barriers to the sharing of health information between providers, patients, and others but they are fairly new to health care.

APIs are starting to enter the EHR market because of the U.S. government's Health IT Certification Program authorized under three federal laws:

- the Health Information Technology for Economic and Clinical Health (HITECH) Act,
- the Medicare Access and CHIP Reauthorization Act of 2015 (MACRA)
- The 21st Century Cures Act.

The certification program incentivizes:

- The exchange of interoperable information between EHRs and other health IT systems such as apps, pharmacy systems, or laboratories.
- APIs for EHRs must include features such as identity authentication and must enable secure exchange of digital health data in a form that can be read and used by other computers the way a shopping order from one computer can be verified by another.

Because there are a variety of distinct EHRs and other health data systems that must communicate to mobilize health data, **APIs are key to advancing health record interoperability.**

APIs and Consumer-Directed

Health Information Exchange

- Unlike provider to provider health information exchange, provider to consumer health information exchange is mandated under the law therefore helping to expedite interoperability
- Consumer-directed exchange is outside of HIPAA and therefore not subject to the same privacy and security rules as traditional provider to provider health information exchange
- Consumers have a right to access their health information any time and for any reason.
- Any barriers for consumers to access their data (technical, business, cultural, policy specific, workflow-related) and send that data to any third-party application of their choosing should be defined as information blocking under the 21st Century Cures Act

2017 Directions for HHS ONC Implementing the 21st Century Cures Act

- Three use cases related and the development of a common agreement / trust framework:
 - Patients can access their health information electronically without any special effort
 - Providers and organizations accountable for managing the health of populations can receive necessary and appropriate information on a group of individuals without having to access one record at a time (bulk accountability)
 - 3. The health information technology (health IT) community should have open and accessible application programming interfaces (APIs) to encourage entrepreneurial, user-focused innovation to make health information more accessible and to improve electronic health record (EHR) usability



AHIMA Releases Standardized Patient Request for Information Form

Home

homepage-featured

AHIMA Releases Standardized Patient Request for Information Form

Posted By Mary Butler on Jul 20, 2017

Requesting one's health information is among the most confusing medical endeavors for consumers, since laws can vary by state and even trained release of information (ROI) professionals may not be aware of the latest government guidance. AHIMA has been working on a way to



streamline this process and reduce uncertainty for health information management (HIM) professionals and consumers. The result of that work was unveiled this week with the release of AHIMA's Patient Request for Health Information Form.

The model form is intended to help providers streamline patient health information request processes and ensure they are compliant with the Office for Civil Rights' (OCR) guidance on an individual's right of access under the

Search for	3
CLICK HI about AH Request	S' ACCESS RIGHT ERE to learn more IIMA's model Patient for Health Informatio illable free.
DI D	ost: All time

How to Request Your Medical

Records

- How to Request Your Medical Records
- Accessing Deceased Patient Records—FAQ
- Who Has Rights to a Deceased Patient's Records?
- Physician Query Examples
- Californian Sentenced to Prison for HIPAA Violation

http://journal.ahima.org/2017/07/20/ahima-releases-standardized-patient-request-for-information-form/

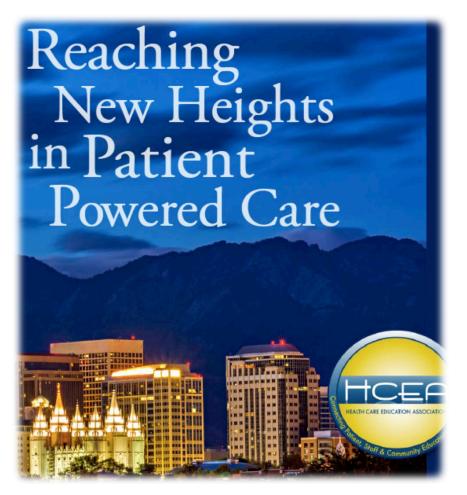
AHIMA Recommendations

- Recommendations for using the Patient Request for Health Information Model Form include:
- Organizations should edit the form based on system capabilities as well as operational needs.
- Organizations should read and understand the OCR guidance, 45 CFR 164.524(c)(3), to ensure compliance.
- Organizations are not precluded from developing their own internal policies that comply with the OCR guidance as long as they do not create barriers to patient access. For example, if a patient requests health information be transmitted through unsecured e-mail, the provider should comply.
- Logo, barcode, and address may be added to the form at the organization's discretion.
- OCR guidance and state laws should be consulted when developing an organization's fee structure.
- For more information and to download a copy of the form visit: http://www.ahima.org/modelform.

Some Predictions – In Next Decade...

We are well poised to advance technology-enabled patient education:

- 1. Follow the path of the patient
- 2. Catalyze coproduction with patients, families and communities
- Adopt disruptive and big data technologies to personalize and mass customize precision care and education
- 4. Advance care continuity and collaborative care
- 5. Visualize descriptive, predictive and prescriptive analytics
- 6. Experience wisdom from data, information & knowledge



Thank You!

Closing Conversation

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