Health Literacy Starter Kit: Basic Information and Resources for the Newcomer

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Disclosure Statement

I have this conflict of interest:

Consultant for Wisconsin Literacy Inc.

Show of Hands

- First time in Madison?
- First Summit?
- Came to hear about the restaurants?
- Desert first?

Show of Hands

- Involved with:
 - Healthcare?
 - Literacy?
 - Research?
 - Health insurance?
 - Other fields?

Topics today

- General literacy and health literacy information
- Why it matters
- What's going on in health literacy
- Resources
- Where to go in Madison and how to get there



Do way	
bo you know?	Which of the following is the strongest predictor of an individual's health status?
	A. Age B. Income C. Literacy skills D. Employment status E. Education level
* V 1 * 8	F. Racial or ethnic group Answer:
	Literacy skills

What is Literacy?

National Assessment of Adult Literacy (NAAL 2003)

"Using printed and written information to function in society, to achieve one's goals, and to develop one's knowledge and potential."

What is Literacy?

- Literacy is a combination of skills:
 - Verbal

Listening

Numeracy

Critical analysis

Writing

Reading

More than just reading grade level

■ Prose Literacy

■ Written text like instructions or newspaper article

■ Document literacy

- Short forms or graphically displayed information found in everyday life
- Quantitative Literacy
 - Arithmetic using numbers imbedded in print

What is Health Literacy?

The Institute of Medicine 2004

"The degree to which individuals have the capacity to obtain, process, and understand basic information and services needed to make appropriate decisions regarding their health."

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But There's More

- Interaction
 - Ability to communicate on health matters
- Evaluation
 - Ability to filter, interpret, and evaluate
- Responsibility
 - Ability to take responsibility for one's health and healthcare decision-making

And More

- Confidence
 - Level of confidence to take action to improve personal and community health
- Navigation
 - Ability to navigate in society and health systems
- Social support
 - Resources one has to assist health decisionmaking and health management

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And Even More

- Rights and access
 - Access one has to information and services
- Trust
 - Trust in health system, information, and providers
- Motivation
 - Motivation to take action
- Mental state
 - Sleep deprived, anxiety, depression, pain

Literacy VS Health Literacy

- Almost everyone will have difficulty with health literacy at some point.
- Much harder for those that do not:
 - Read very well.
 - Speak English as their primary language.

Two Sides to the Equation

- The Info-seekers:
 - Patients, Students, All of us!



- The Info-givers:
 - Health care providers,public health educators, health systems

People (Info-seekers) need to learn

- Find health information
- Understand it
- Evaluate it
- Communicate their needs and questions
- Use what they learn...act on it...to live healthier!







The Info-givers need to learn to:

- Help people to find health information
- Help them understand health information
- Assure that we understand our patients and their concerns
- Communicate clearly with patients









The Info-givers need to learn to:

- Anticipate and encourage questions
- Help people evaluate choices
- Evaluate our own programs to assure the outcomes we anticipate
- Make it easier for people to use information: remove barriers to people taking action!













In Their Own Words So What? ■ Who's at risk? ■ What happens? 2003 National Assessment of Adult Literacy ■ Data released 12/05 ■ ~17,000 people participated Over age 15 ■ Living in households and prisons

2003 National Assessment of Adult Literacy 4 categories of literacy Below basic Basic Intermediate Proficient

2003 National Assessment of Adult Literacy

- Below Basic literacy one piece of information
- Can:
 - Sign name on a document
 - Identify a country in a short article
 - Total a bank deposit slip

2003 National Assessment of Adult Literacy

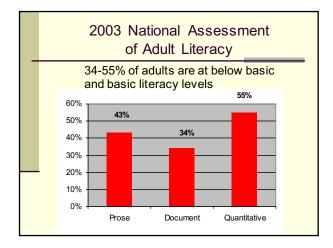
- Below Basic literacy one piece of information
- Cannot:
 - Enter information on a social security card application
 - Locate an intersection on street map
 - Calculate the total cost on an order form

2003 National Assessment of Adult Literacy

- Basic literacy two related pieces of information
- Can:
 - Identify YTD gross pay on a paycheck
 - Determine price difference between tickets for 2 shows

2003 National Assessment of Adult Literacy

- Basic literacy two related pieces of information
- Cannot:
 - Use a bus schedule
 - Balance a check book
 - Write a short letter explaining error on a credit card bill

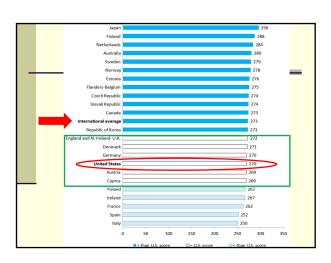


Program for the International Assessment of Adult Competencies

- Acronym = PIAAC
- Conducted 2011-12
- 5,000 adults
- Ages of 16 and 65.
- Results released October 2013

Program for the International Assessment of Adult Competencies

- 22 other countries also conducted PIAAC
- Assessed:
 - Literacy
 - Reading components
 - Numeracy
 - Problem solving in technology-rich environment



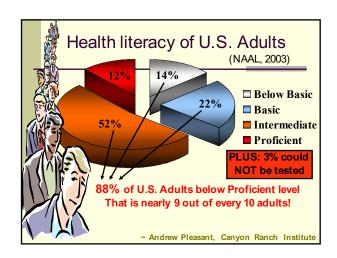
The United States... ■ Literacy skills trends stagnant for 20 years ■ 1 in 6 adults lack basic academic skills ■ 1 in 20 Japan 2003 National Assessment of Adult Literacy ■ NAAL health literacy assessment ■ 28 questions specifically related to health ■ 3 clinical ■ 14 prevention ■ 11 system navigation NAAL Health Literacy Assessment Entire population ■ Proficient 12% Intermediate 53%

Basic

■ Below basic

22%

14%



NAAL Health Literacy Assessment	
■ Basic and Below Basic Health Literacy	
Entire population	36%
■ White	28%
■ Native Americans	48%
■ Blacks	58%
Hispanics	66%

NAAL Health Literacy Assessment Basic and Below Basic Health Literacy Age16-64 28-34% Age 65+ 59%

NAAL Health Literacy Assessment ■ Basic and Below Basic by education level ■ In High School, GED or HS grad 34-37% Less than/some High School 76% NAAL Health Literacy Assessment ■ Basic and Below Basic by Self-reported health status Excellent 25% ■ Very Good 28% ■ Good 43% ■ Fair 63% ■ Poor 69%

The Impact of Low Literacy on Health Poorer health knowledge Poorer health status Higher mortality

The Impact of Low Literacy on Health

- Increased hospital use
- Increased Emergency Department use
- · Mixed results for:
 - Use of preventive services
 - · Chronic health care
 - Tobacco use

Poorer Health Knowledge

- Understanding prescription labels
 - 395 patients
 - 19% low literacy (6th grade or less)
 - 29% marginal literacy (7-8th grade)
 - 52% adequate literacy (9th grade and over)
 - 5 prescription bottles

Literacy and Misunderstanding Prescription Labels. Davis et al. Ann Intern Med 2006;145:887-894

Poorer Health Knowledge

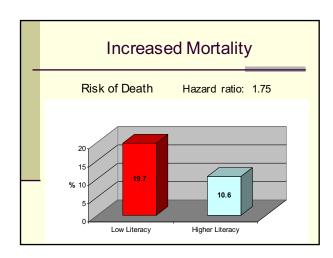
- At least one incorrect
 - 63% low literacy
 - 51% marginal literacy
 - 38% adequate literacy

Literacy and Misunderstanding Prescription Labels. Davis et al. Ann Intern Med 2006;145:887-8.94

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"Take two tablets twice daily" Stated correctly Demonstrated correctly 71% low literacy 35% 84% marginal literacy 63% 89% adequate literacy 80%

Increased Mortality Age 70-79 2512 participants Reading level 8th grade or less Five Year Prospective Study Sudore R, et al. Limited Literacy and Mortality in the Elderly. J Gen Intern Med 2006;21:806-812



	A New Cause for Non-Compliance?	
_	■ Medications	
	■ No-shows	
	■ Testing	
	■ Referral	
	Where do we go from here?	
-		
	Vision:	
	Every patient or their caregiver	
	understands what the health issue is, what to do about it and why it's	
	important.	
	inportant.	
		I .
]
	How do we get there?	
_	■ Education	-
	■ Effective Communication	
	■ Universal Design	
	If it works for people with limited literacy or	
	limited English skills, it will work for everyone.	

Re-Designing What We Do

- Someone takes ownership of Health Literacy
 - Grass roots
 - Leadership buy in = resources : people and \$
- Infuse health literacy concepts in new programs and redesign of current materials and processes

Questions?

Trends: What People are Doing

- Research and interventions
- Refining health literacy definition and measurement
- Integrating health literacy into medical education

Trends: What People are Doing ■ Policy initiatives ■ Regional health literacy efforts ■ Effective communication Research and Interventions Literacy research in medicine only goes back about 25 years Research idea to published article: Foundation funding: 2-3 years or more Federal funding: 5-9 years Only a few interventions have solid evidence **Definition and Measurement** ■ Recent comprehensive review ■51 measures List which of 11 dimensions measured J Health Commun: International Perspectives 2014, 19(2):302-333 http://dx.doi.org/10.1080/10810730.2014.936571WHO HL toolkit ■ World Health Organizations Health literacy toolkit 4 PM breakout tomorrow

Integrating HL into Medical Education ■ History ■ Curriculum standards published 2013 Health Literacy Practices and Educational Competencies for Health Professionals: A Consensus Study. Journal of Health Communication, 18:82–102, 2013. ISSN: 1081-0730 print/1087-0415 ■ Cliff Coleman presentation 2013 http://www.fammed.wisc.edu/wisconsin-health-literacy-summit-2013-media Trends: Policy Supports for HL Joint Commission standards National Action Plan http://www.health.gov/communication/hlactionplan/ Accountable Care Act http://www.healthcare.gov/law/index.html 10 attributes of a health literate organization http://iom.edu/Global/Perspectives/2012/HealthLitAttributes.aspx

Regional Health Literacy Efforts

- At least 19 states have initiatives at various stages of development and reach
- Summit pre-conference meeting
- CDC website + map
 - http://www.cdc.gov/healthliteracy

Effective Communication

- Verbal communication
 - Teach Back
 - Shared Decision Making
 - Consumer Assessment of Healthcare
 Providers and Systems Questions (CAHPS)
 - Communication Climate Assessment Toolkit

Effective Communication

- Written communication
 - It's harder than it looks
 - Reading grade level matters, but much more to making a document understandable
 - Plain Language
 - http://www.plainlanguage.gov/
 - http://www.plainlanguagenetwork.org/

Effective Communication

- Patient Education Materials Assessment Tool (PEMAT)
 - More comprehensive-26 items
 - Can be applied to text and multimedia http://www.ahrq.gov/professionals/prevention-chroniccare/improve/self-mgmt/pemat/
- CDC Clear Communication Index
 - 20 items
 - Takes about 15 minutes

http://www.cdc.gov/ccindex/tool/index.html#who

Questions?

Why are Literacy Programs a good venue to address health literacy?



Trends: Adult Education and HL

- Integrating health literacy into literacy and English instruction
- Empowering people to self advocate
- Addressing health care access

Trends: Adult Education and HL

- Partnering with health centers and other organizations
- Advising health care delivery
- Preparing people and health care for the Accountable Care Act

Partnerships Between Literacy & Health Organizations

- Health curricula in literacy/English classes
- Guest speakers from local health centers
- Mini exams from nursing students
- Health fairs



Newer Partnerships

- Student navigation assessments for hospitals
- Students testing written materials
- Teachers advising health care providers
- Teachers and students consulting to health programs



Newer Partnerships

- Statewide and multi-state coalitions
- Cross referrals
- Dual Projects





Adult Education Jargon

- ABE = Adult Basic Education
- ASE = Adult Secondary Education
- ESL = English as a Second Language
- ESOL = English for Speakers of Other Languages
- ELL =English Language Learners

What can YOU do?

- ■Learn more
- Find partners
- Start re-designing
 - Processes
 - ■Forms and other documents
 - Curricula and training

Adult Literacy Curricula

- Health Literacy Wisconsin
 - http://wisconsinliteracy.org/health-literacy/resources/curricula.html
- Health Literacy Special Collection
 - <u>http://www.healthliteracy.worlded.org/curricula-1.htm</u>

Health Care Access

- Study Circle for Adult Literacy Teachers
 ncsall.net/index.html@id=891.html
- List of resources & curricula for health care access
 - healthliteracy.worlded.org/docs/family/easy.html#healthcare

Join the LINCS Community!

Community of Practice for health literacy advocates from all over

- https://community.lincs.ed.gov/groups
- Register for free and join the Health Literacy
- Share with and learn from over 1,000 others
- Keep up on the latest HL news
- Enrich your HL experience!

More Resources

Learn More

- Wisconsin Health Literacy Wisconsin www.HealthLiteracyWisconsin.org
- Agency for Healthcare Research & Quality www.ahrq.gov/health-care-information/topics/topichealth-literacy.html
- Centers for Disease Control www.cdc.gov/heal thliteracy/

Collections

- Wisconsin Health Literacy
 - http://wisconsinliteracy.org/health-literacy/resources/
 - Health Literacy Special Collection
 - http://www.healthliteracy.worlded.org/index.htm
- CDC Health Literacy Page
 - http://www.cdc.gov/healthliteracy/
- America's Literacy Directory www.literacydirectory.org

Using the National Action Plan to Improve Health Literacy

- Summary and download:
 - cdc.gov/healthliteracy/planact/
- Planning Guide
 - At link above
- What People are Doing with it
 - lincs.ed.gov/lincs/disc ussions/heal thliteracy/11 actionplan_transcript

Learn More

- World Health Organization Health Literacy Toolkit For Low- and Middle-Income Countries
 - http://www.searo.who.int/entity/healthpromotion/documents/hl_tookit/en/
- Health Literacy Universal Precautions Toolkit
 - http://www.ahrq.gov/qual/literacy/

AHRQ Summary

- AHRQ Summary of Literacy and Health Outcomes- 2011
 - http://effectivehealthcare.ahrq.gov/index.cfm/search-for-guidesreviews-and-reports/?productid=671&pageaction=displayproduct

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Prescription Labeling

- Michael Wolf's presentation Wed. AM
 - Spanish, Chinese, Vietnamese, Russian, Korean prescription instructions

http://www.pharmacy.ca.gov/publications/translations.shtml

- United States Pharmacopeia (USP)
 - New prescription labeling requirements http://www.usp.org/
- National Council for Prescription Drug Programs liquid med recommendations
 - https://www.ncpdp.org/NCPDP/media/pdf/wp/DosingDesignations-OralLiquid-MedicationLabels.pdf

RED: Discharge Project

- ReEngineering Discharge project (RED)
 - Decrease 30-day rehospitalization: 20% to 15%
 - Decrease Emergency Dept. use: 24% to 16%
 - https://www.bu.edu/fammed/projectred/

Evaluate Current Environments

- American Medical Association Communication Climate Assessment Toolkit (C-CAT)
 - http://www.ama-ass.n.o.rg /a ma/ pu b/ phy sicia n-res ou rc es/ me dical -e thic s/th e- et hical -f orc e-program/patie nt -ce nt er ed- co m mu nica tion /o.rg aniz ati onal -a sse ss me nt-res ou rc es.p.ag.e
- Advancing Effective Communication, Cultural Competence, and Patient- and Family-Centered
 Care: A Roadmap for Hospitals Joint Commission
 http://www.jointcommission.org/assets/178/A Road map pto this oppitalistinal version 727, pd f

Agency for Healthcare Research and Quality (AHRQ)

- Health Literacy Universal Precautions Toolkit
- Consumer Assessment of Healthcare
 Providers and Systems Questions (CAHPS)
 - Health literacy supplement www.cahps.ahrq.qov
 - 31 items, with rigorous development and validation
- Pharmacy Health Literacy Assessment Tool & User's Guide. pharmacy and staff

http://www.ahrq. gov /p rof essi on als/ qu ality -pa tie nt- saf ety /ph ar m he althli t/to ols. ht ml# to ol

Newer Assessments

- Literacy Audit for Healthcare Settings. 5 attributes, 57 items, no validation
 - https://www.healthpromotion.ie/hp-files/docs/HSE NALA Health Audit.pdf
- Health Plan Organizational Assessment of Health Literacy Activities-Insurer assessment

 $\frac{https://www.ahip.org/Issues/Documents/2010/Health-Plan-Organizational-Assessment-of-Health-Literacy-Activities.aspx}{}$

Newer Assessments

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 https://www.ahip.org/uploadedFiles/Content/News/Press Room/2010/Resources/HealthPlanOrganizationalAssessmentofHealthLiteracyActivities.pdf
- Enliven Organisational Health Literacy Self-Assessment Resource 10 attributes, 85 questions, limited development or validation http://www.enliven.org.au/Documents/Library/Resources/Health%20lit%2 Oresources/Enliven%20Health%20Literacy%20Audit%20Resource.pdf

-	"Action expresses priorities." "Be the change that you want to see in the world." Mohandas Gandhi	
-	Questions?	
-	The Really Important Information Madison Restaurants Isthmus.com Handout Paul's picks Candinas Chocolatier UW Memorial Union- Babcock ice cream Mad Faves	

Places to check out ■ State Street Capitol building ■ International Crane Foundation- rent car Olbrich Botanical Gardens ■ Henry Vilas Zoo ■ Chazen Museum of Art ■ Madison Children's Museum ■ University of Wisconsin Geology Museum How to get there Bike trails/rental Madison B Cycle- \$5/day, \$7.99/mo for members https://madison.bcycle.com/ 22 West Wilson Street ■ 38 East Wilson Street ■ 103 South Carroll Street 242 South Pinckney St. ■ Green Cab of Madison **(608)** 255-1234 Questions?

