



2023 Forum on Aging in Rural Oregon

Health Literacy and Systemic Ageism

Better Outcomes for Older Adults through Clear Communication

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Disclosures/Conflict of Interest

I have no relevant financial relationships with commercial interests.

Pause



Arc of the story

- 1 out of 6 people in the U.S. (17%) are 65 years or older.
- Older adults have more chronic disease, take more medication, and use more health services than other age groups.
- Older adults also have the lowest average health literacy skills of any adult age group.
- Unnecessarily complicated communication (spoken and written) is tolerated throughout the healthcare system.
- Unnecessarily complex health information systematically disadvantages older adults.
- A universal clear communications approach would improve care and reduce inequities for older adults.

Session objectives

Following this session, participants will be able to...

- Describe how health literacy, clear communication practices, and age intersect to produce healthcare inequities for older adults.
- Provide examples of how commonly observed health communication practices contribute to systemic ageism.
- Discuss a "universal precautions" policy intervention that can mitigate systemic ageism in health communication.

Outline

- Health literacy disparities by age
- Health literacy implications for older adults
- Systemic ageism examples
- "Universal precautions" for health communication equity
- A call for reform
- Discussion



Health literacy disparities by age

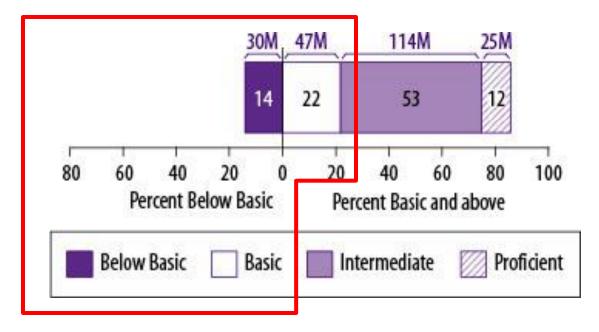
Health literacy – new definitions

• **Personal health literacy** – the ability to find, understand, and use information and services to inform health-related decisions and actions.

 Organizational health literacy – the degree to which organizations <u>equitably enable individuals to find</u>, <u>understand</u>, and use information and services to inform health-related decisions and actions.

Health literacy of U.S. Adults

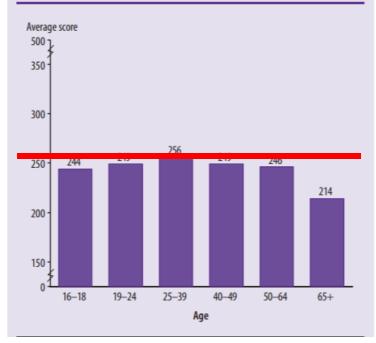
36% of U.S. adults have inadequate health literacy skills at baseline

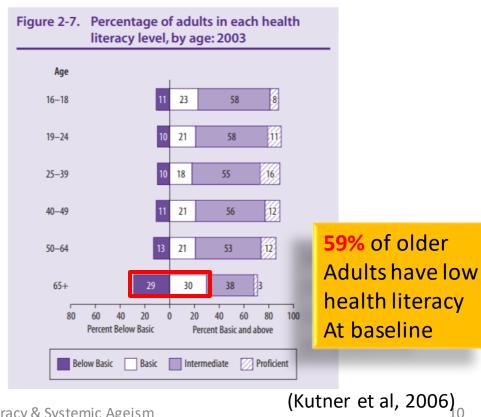


(Kutner et al, 2006)

Health literacy by age

Figure 2-6. Average health literacy scores of adults, by age: 2003





Health Literacy & Systemic Ageism

Why is health literacy lower in older adults?

• Lower education is associated with lower health literacy among older adults.

(Barnes et al, 2004)

• Older adults are less likely to have completed high school or college than other age groups.

(Statista, 2023)

• Literacy is strongly associated across measures of cognitive function among highly educated older adults.

(Barnes et al, 2004)



Health literacy implications for older adults

Information overload

• Occurs when the amount of information is greater than one's capacity to process it.

• Feelings of information overload increase with older age.

Information overload

On average, patients remember only 50% of what clinicians say...

- May not be the most important 50%
- And half of what they do recall is incorrect!

(Kessels 2003; McCarthy et al, 2012)

Information recall

In a study of 56 older adults (mean age 80.4 years), which controlled for working memory...

 Health literacy independently predicted recall of five signs of stroke 1 hour after reading a brochure.

(Ganzer et al, 2012)

Print materials

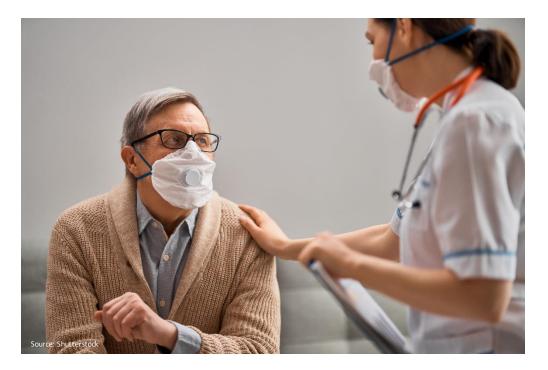
An analysis of National Assessment of Adult Literacy data for adults 60 or older found...

- 71% had difficulty using print materials.
- 80% had difficulty using documents such as forms or charts.
- 68% had difficulty interpreting numbers and doing calculations.

Low health literacy is associated with...

- \downarrow Use of preventive services
- \downarrow Understanding of medication use and prescription label instructions
- \downarrow Overall health status
- \uparrow Use of emergency care
- \uparrow Rates of hospitalization
- \uparrow Rates of hospital readmission
- \uparrow Mortality
- \uparrow Racial health disparities

(Berkman et al, 2011; Mantwill et al, 2015; Mitchell et al, 2012; Mosher et al, 2012; Muvuka et al, 2020)



Systemic ageism examples

Systemic ageism

Occurs "...when a rule, condition, policy or practice that is the same for everyone has an unfair effect on a person because of their age..."

Ageism

• Widespread, but under-examined in healthcare.

(São José et al, 2019)

• Associated with multiple healthcare inequities.

(Ben-Harush et al, 2016)

Unnecessarily complicated health information

Unfair advantage for people with higher health literacy (younger)

Restricted opportunity for people with lower health literacy (older)

Systemic ageism

C. Coleman

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"AIDET®: Five Fundamentals of Patient Communication" [excerpt], The Studer Group, no date.

Protective mechanism

Cardiovascular exercise

Cholesterol

Heart disease

Jargon

Results letter

your rectum did not cont	tter to make you aware that the recent biopsi tain any abnormalities. Certainly, this is good e caused by your previous hemorrhoid surger	d news. My suspicion is	
hemorrhoids are the cau your colonoscopy, follow Our office will attempt to If you have any question	have internal hemorrhoids present in the rectause of your heme-positive stool. Given the factory of the colonoscopy would be advised in 10 years of contact you at that time to arrange that examples about the above information, please do not me to participate in your care.	ct that you had no polyps on ars for screening purposes. mination.	
		Readability Grades:	
	Sincerely,	Readability Grades: Flesch-Kincaid Grade Level:	9.2
	Sincerely,	Flesch-Kincaid Grade Level:	9.2 12 12
		Flesch-Kincaid Grade Level: Gunning Fog Index:	12

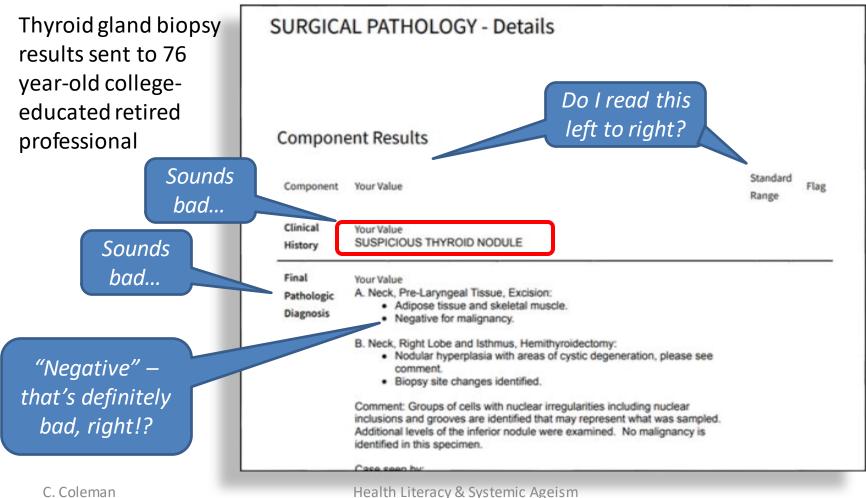
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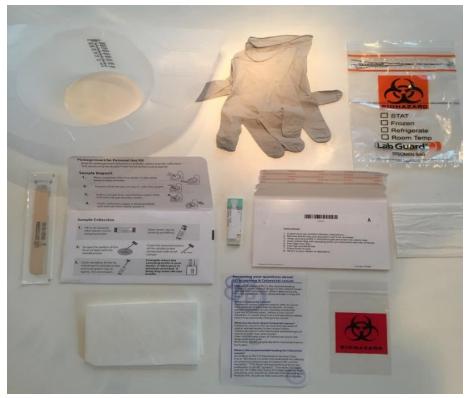
https://www.wordcalc.com/readability/

Example: Blood test results for thyroid gland function

Test name	Your test result	Normal range for this test	What your result means
Component-	Your Value	Standard Range	Flag
TSH (Thyroid	Teurvaide	Stendard Renge	Your test
Stimulating Hormone)	4.82 uIU/mL	0.47 - 7.11 ulU/mL	was normal



Routine colon cancer screening





In a study of 359 adults:

• 29-67% misinterpreted *"Twice daily"* instructions.

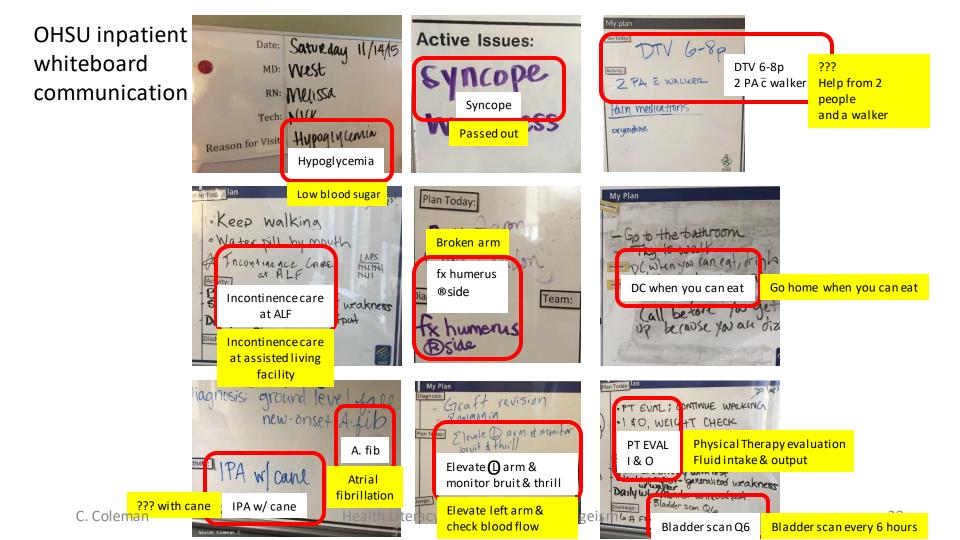
39-70% misinterpreted *"Every 12 hours"* instructions.

•

 <u>Only</u> 8-24% misinterpreted "Every morning and evening" instructions.

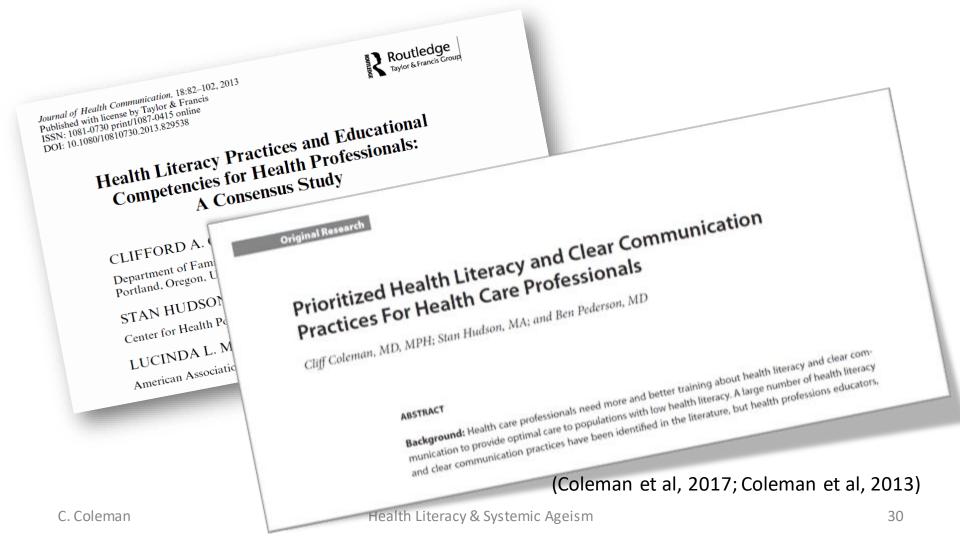
(Davis et al, 2009)

(Coleman & Hadden, unpublished)





"Universal precautions" for health communication equity



Prioritized best practices

TABLE 3

Agreement of Group 1 Health Literacy Practices Among Expert Participants

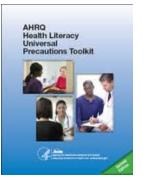
Mean Rank Order	Group 1 Health Literacy Practice	Number (%) of Participants ($n = 25$) Ranking Item ≥ 7 on Importance
1	Routinely uses a "teach back" or "show me" technique to check for understanding and correct misunderstandings in a variety of health care settings, including during the informed consent process	16 (64)
2	Consistently avoids using medical "jargon" in oral and written communication with patients, and defines unavoidable jargon in lay terms	15 (60)
3	Consistently elicits questions from patients through a "patient-centered" approach (e.g., "what questions do you have?", rather than "do you have any questions?")	9 (36)
ł	Consistently uses a "universal precautions" approach to oral and written communi- cation with patients	14 (56)
5	Routinely recommends the use of professional medical interpreter services for patients whose preferred language is other than English	12 (48)
6	Consistently negotiates a mutual agenda with patients at the outset of encounters	12 (48)
7	Routinely emphasizes one to three "need-to-know" or "need-to-do" concepts dur- ing a given patient encounter	10 (40)
8	Consistently elicits the full list of patient concerns at the outset of encounters	10 (40)

Why "universal precautions"?

- Low health literacy is common (Kutner et al, 2006)
- People hide their lack of understanding due to shame (Parikh et al, 1996)
- You can't tell by looking who is understanding (Coleman, Hudson, Maine, 2013)
- Health literacy screening is not appropriate (Paasche-Orlow & Wolf, 2008)
- All patients prefer simple messages (Sudore et al, 2007; Davis et al, 1998)

"Universal precautions"

- Assumes all are at risk for low health literacy in any given moment.
- Uses clear communication best practices, including plain language, as the default style with all patients. (DeWalt et al, 2011)
- Supports patients' dignity, autonomy, and safety. (Killian & Coletti, 2017)





A call for reform

Training for health professionals

- Health care professionals do not demonstrate clear communication *habits* currently.
- A "universal precautions" approach should center on a core set of clear communication competencies and target behaviors. (Coleman et al, 2017; Hernes & Ott, 2018)
- Health professions training programs and their accrediting agencies should set and enforce measurable competency standards for clear communication practices.

Health system accountability

 Health system accrediting agencies, such as the Joint Commission, should set practice standards for assuring that clear communication occurs, and is delivered equitably.

 Accountability should be based on observable behavioral outcomes resulting from clear communication, not self-report.

Conclusion

Until "universal precautions" become standard practice, older adults will experience systemic ageism in the form of inequitable access to usable health information.

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Thank you! Cliff Coleman, MD, MPH colemanc@ohsu.edu



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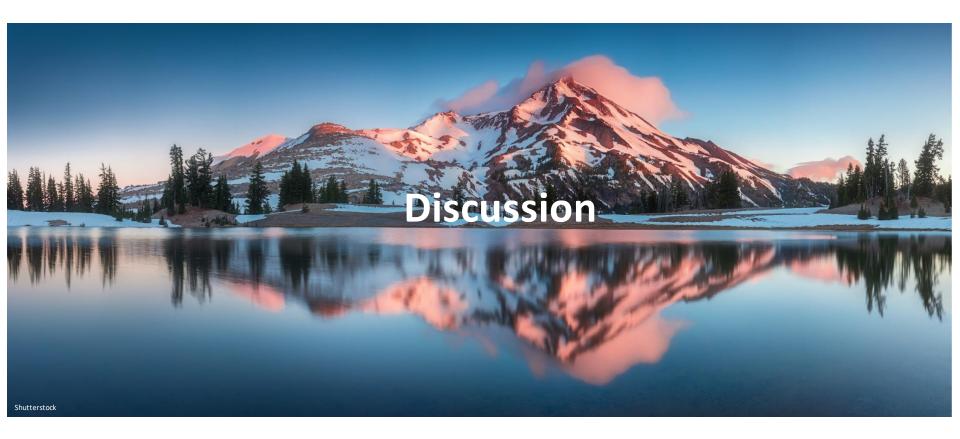


Building healthier communities together









Health Literacy & Systemic Ageism

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