

Transforming Rural Healthcare through Health Literacy

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Objectives



- 1. Apply health literacy principles in rural healthcare education and practice.
- 2. Articulate CHW workforce development as an asset to rural health literacy in education and practice.
- 3. Analyze how a real-world scenario leveraging a CHW made a difference in rural health outcomes.





Background



Rural communities in the U.S., during the COVID-19 pandemic.

- Distinctive factors made this demographic more susceptible to contracting the virus.
- Experienced perpetuating circumstances.

Mount Pleasant, Texas, a rural town.

- Hotspot for cases in the Hispanic community.
- Predominantly employed by local agriculture and manufacturing industries.
- > Requires working in close quarters.

We examined potential barriers to proper precautions and action steps to lessen COVID-19 spread.



Background



In June 2021, Stanford's Big Local News

- Number of cases per capita in Titus County at 815 cases per 100,000 people.
- Far above the state average, of 58 cases per 100,000 people.
- County's 24.8% vaccination rate lagged behind the state's 40.8%.

This project explored contributing factors leading to fractured communication between Titus Regional Medical Center (TRMC) and the Hispanic community of Mount Pleasant.



Methods

Hired a Community Health Worker (CHW)

- Frontline public health worker who is a trusted member of and/or has an unusually close understanding of the community served.
- Serves as a liaison between medical and social services and the community.
- They advocate for change, improve access to the quality of care, and cultural competency of services delivered.

Research shows that CHWs:

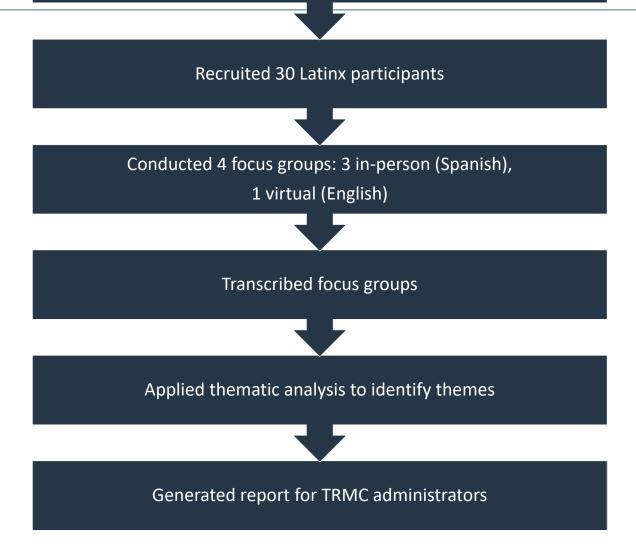
- Increase health-related knowledge (health literacy)
- Increase self-care practices & health outcomes
- Increase rates of health education course completion
- Increase screening rates
- Facilitate behavioral change by providing encouragement, support, and serving as role models.
- Decrease high-risk behaviors in target population



Created semi-structured focus group script



Methods



Explanation



Barriers





Solutions





Wagner, T., Ramirez, C., & Godoy, B. (2021). Covid-19 Rural Health Inequities: Insights from a Real-World Scenario. Journal of Communication in Healthcare.

Results

http://dx.doi.org/10.1080/17538068.2021.1975472





HP 2030: Health Literacy Definition



Personal health literacy is the degree to which individuals have the ability to find, understand, and use information and services to inform health-related decisions and actions for themselves and others.

Organizational health literacy is the degree to which organizations equitably enable individuals to find, understand, and use information and services to inform health-related decisions and actions for themselves and others.

The new definitions:

- Emphasize people's ability to use health information rather than just understand it
- Focus on the ability to make "well-informed" decisions rather than "appropriate" ones
- Incorporate a public health perspective
- Acknowledge that organizations have a responsibility to address health literacy

True or False?

- People will tell you if they have trouble reading.
- People with limited literacy have low IQs.
- The number of years of schooling is a good guide to determine literacy level.









Cognitive Load

First, ward the deriuger rebmun of stinu of ria into the egnirys by gnillup the regnulp back. Syawla What is this passage about? measure erusaem from the top of the regnulp.

Tresniathe eldeen into the rebbur reppots of the nilusni elttob. Hsup the regnulp nwod and evael the eldeen in the elttob. Nurt the elttob and egnirys

nwoode disperand blupek cab on the regnulp. Keehc

the egnirys for ria selbbub.

To evomer ria selbbub, tap the egnirys. Evomer the eldeen from the nilusni elttob. Ylluferac ecalper the pac on the eldeen.

Differences in Low or High Literacy Readers



Low Literate

- Read Slowly
- Sound Out Words
- Read Word for Word
- Have Difficulty Making Meaning

High Literate

- Read Quickly
- Read Words and Sentences with Ease
- Read for Meaning



Identifying People with Low Health Literacy

Make simple communication the standard

= Universal Precautions



- Notice warning signs of low health literacy:
 - Behaviors
 - Responses to written information
 - Responses to questions about healthy behaviors







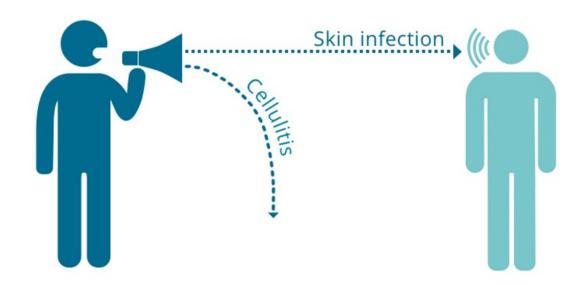
What is Plain Language?



Communication that your audience or readers can understand the **first time** it is read or heard.



Plain Language





Why Use Plain Language?

- Shows customer focus
- Communicates effectively
- Eliminates barriers
- Reduces time spent explaining
- Improves compliance
- Reduces phone calls later





Can you understand this?

The pre-adolescent human situated her corporeal mass upon the structure intended for respite. She was ingesting a combination of high-fat solids and exudates derived from a common bovine excretion.

An arachnid perambulated into her propinquity and lowered its corporeal mass in juxtaposition to hers. Her trepidation precipitated a phobic response which impelled her to alter her spatial coordinates at a rapid velocity.

Plain Language

Sat on a tuffet,
Eating her curds and whey;
Along came a spider,
Who sat down beside her,
And frightened Miss Muffet away.

-Yvette Wingate, Ed.D., Presentation at 2014 UNTHSC Health Literacy Symposium

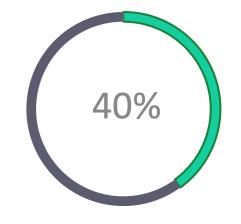
Now you're talking!

The Facts

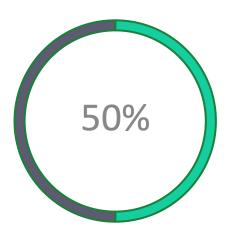
Most health information is written at the 10th grade level or higher, **but...**



The average person in the U.S. reads at an 8th grade level; 20% read at the 5th grade level or below.



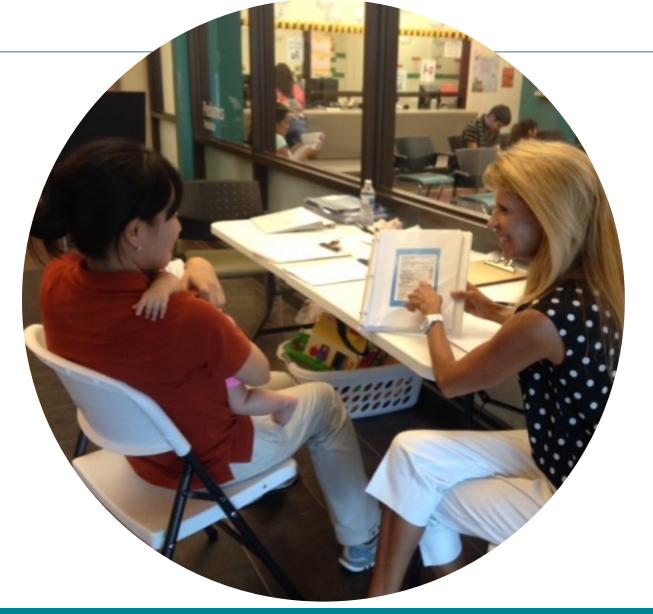
40% of seniors read at or below the 5th grade reading level



50% of African-Americans and Hispanics read at or below the 5th grade reading level.







Key Risk Factors for Low Health Literacy

- Members of minority groups
- Low income
- People who did not graduate from high school
- Non-native English speakers
- The elderly





National Standards for Culturally and Linguistically Appropriate Services (CLAS Standards)

- Life Experiences
- Gender Identity
- Nationality
- Religion
- Family Type
- Education Level
- And more...



Our cultural differences influence our viewpoint, the way we see the world, and how we communicate with others.

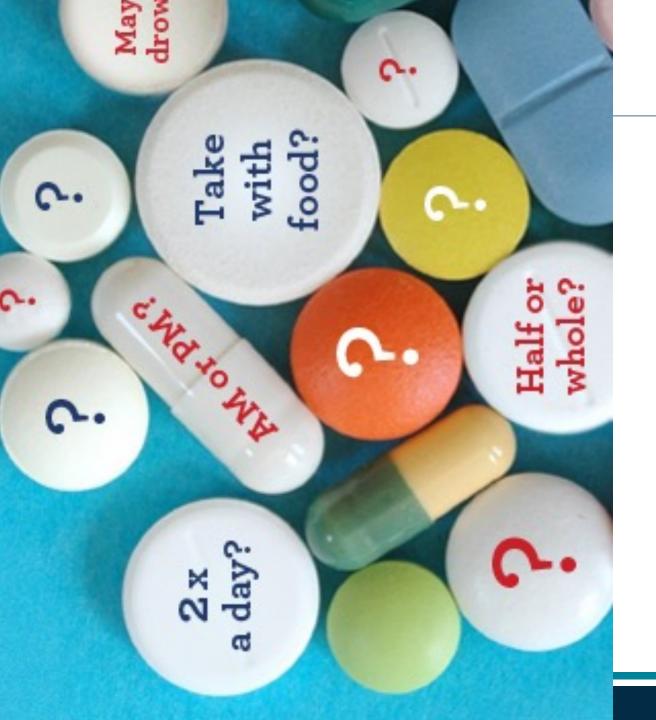
- Which aspects of your culture and identity shape how you see yourself?
- How do others see you? How do you communicate?
- And how do you prefer to communicate with others?

Culture Is:

- Learned and shared
- Dynamic
- Cumulative
- Framework







Patient Safety



In peer reviewed research, low health literacy has been linked to poor outcomes:

- Reduced ability to understand labels and health messages
- Limited ability to follow medication instructions
- Lower likelihood of accessing/receiving preventive care
- More hospitalizations
- Worse overall health status
- Higher mortality among the elderly
- Shorter life expectancy
- Worse physical and mental health
- Greater use of emergency departments

TRMC Focus Groups

Participants would like Spanish-speaking staff. Participant was not offered a translator.

"...The nutritionist gave me all the information and that was a part that I didn't like because they don't have staff who speak Spanish to be able to talk to me. I understand that we're in the United States and my duty is to learn the language, but I understand, I also think that because of the large number of Hispanics that are living here, that the hospital should be prepared. It should already have more people who can understand us..."

Lack of Spanish-speaking staff keeps Hispanics from seeking medical help.

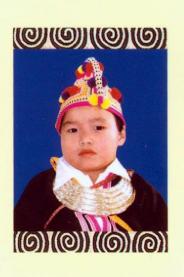
• "...I don't speak English very well, but if I did speak it, I think that would be a great advantage, because there aren't that many people in the hospital who can communicate with Hispanic people. And, yes, that's a great disadvantage. And many times, that keeps us from going to ER or to the doctor, because we have this language barrier..."

There's no financial guidance. It feels like providers won't help unless the patient pays first.

• "...there's no social worker, like they say, where they can take your economic information to see if you have enough to pay or you don't have enough to pay, it's just that here, you have to have the money in order to be well attended to, I don't know much more..."

THE SPIRIT CATCHES YOU

AND YOU FALL DOWN





A HMONG CHILD,

HER AMERICAN DOCTORS,

AND THE COLLISION OF

TWO CULTURES

Culturally Congruent Care

- Improves quality of care
- Improves health outcomes
- Prevents avoidable adverse outcomes
- Helps eliminate health disparities



ANNE FADIMAN



Cultural Humility

- Capacity of health professionals and organizations to respond appropriately and effectively to people of diverse backgrounds and identities.
- Requires recognizing and addressing imbalances in power which may result in differences in access to resources such as information, time, influence and funding.
- The goal of developing cultural humility is to establish cultural safety for patients and families.



Culture can Impact:

- Understanding of the meaning of Illness
- Appropriate care-seeking and care providers
- Prevention and treatment practices
- Health decision-making
- More than just providing an interpreter when required
- Medical interactions (many aspects of communication are non-verbal)
- Everything from eye contact to whom to address in the exam room.





What if you couldn't communicate?

Your reaction to the video

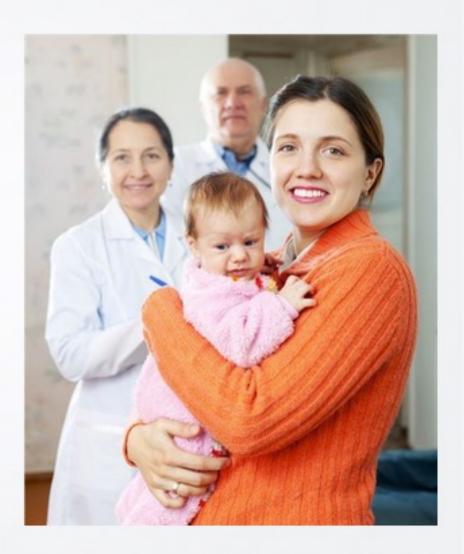
	your feelings as you and check all that ap		
Angry	Sad	Frustrated	Fearful
Powerless	Anxious	Scared	Other

Anything Else?

What could have improved the situation?

- Translator on Staff
- Language Line Access

- Empathy Training for Staff
- Cultural Training for Staff
- Bilingual Staff
- Multi-Language Signage
- Translated List of Common Health Problems



Cultural Competence and Humility

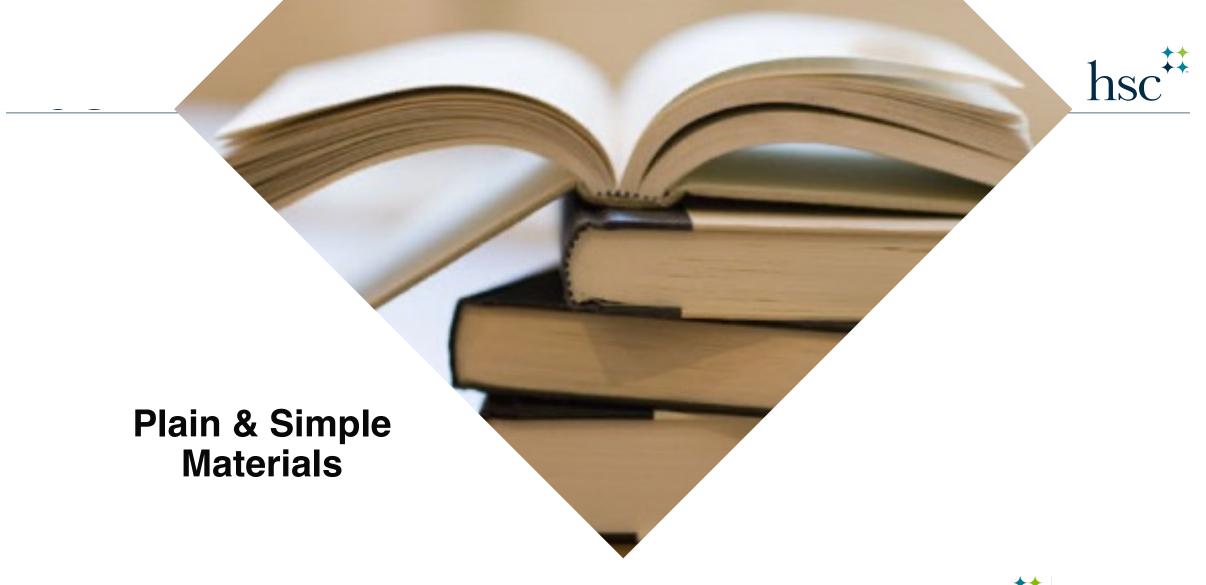
- Understand self-cultural identity
- Commitment to Lifelong Learning
- Use plain language that crosses linguistic & functional challenges
- Open to learn about other cultural traditions
- Ask open-ended questions, observe & listen
- Body language (anxiety, lack of response or conflict)
- Easy to understand materials that reflect audience and are inclusive



Questions to Ask

- What do you think has caused your problem?
- Why do you think it started when it did?
- How bad is your illness? Will last a long or short time?
- What kind of treatment do you think you will get? Tell me about your experience?
- What do you hope to get from your treatment?
- What are the main problems your illness has caused for you?
- What do you fear most about your illness?







Lower Health Literacy Demand Materials

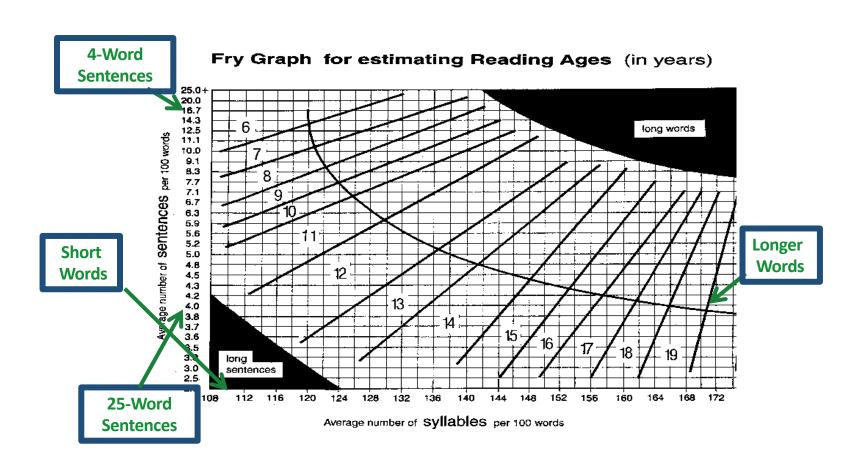
- Target Words for Audience; Field Test
- Use Titles, Tables and Graphs
- Bullet Points No More than 3-7
- Positive, Friendly Tone
- Short Sentences; Clear and Concise
- Short, Common Words; Concrete vs. Abstract
- Well Organized with Plenty of White Space
- Personal Stories, Quotations or Dialogue



- NIH & CDC



Readability Scores





Important Information First

Good Use of Color & Table

1465 South Grand Boulevard • St. Louis, Missouri 63104-1095 PATIENT LABEL ASTHMA HOME MANAGEMENT PLAN OF CARE DOCUMENT Height: Age: Green Zone (ALL CLEAR) 80% - 100% of Peak Flow No symptoms of asthma What to do: ole to do usual activities • Stay on Controller Medicine (Must include name of drug, dose, frequency, and Can sleep/feed without trouble method of administration) Yellow Zone (CAUTION) 50% - 80% of Peak Flow Please note if no controller: What to do: Symptoms consist of: Increased cough Take Reliever Medicine every 20 minutes for 3 doses. Increased breathing rate If not feeling better, call your private doctor or asthma (Must include pure of drug, dose, frequency, and doctor. Continue Reliever Medicine every 4 hours for Wheezing ministration) Unable to sleep at night 24 hours. Cold symptoms Poor sucking or feeding Avoid triggers and allergens such as: cigarette smoke, **Device Training:** · Speaks in partial sentences dust, heavy perfumes/odors Important Info Follow Up Appointment: Red Zone (EMERGENCY) ess than 50% of Peak Flow First (Follow up appointment must be given prior to discharge) Includes symptoms in yellow zone and also: Wheeze, cough or chest tightness at rest Teaching completed by: CALL private doctor or asthma doctor immediately Neck and chest pulled or sucked in with each breath Speaks in single words or phrases given copy of home · Unable to play or do usual activities management plan and Smart About Asthma ***Go to hospital or call 911 if: your child's lips/fingernails are blue, or your child is struggling to Duplicate care plan placed in chart: breathe, or if you have any concerns with your child's breathing*** Allergy Office: (314) 268-4014 Pulmonary Office: (314) 268-6439 University Pediatrics: (314) 268-4070 For Evenings or Weekends: (314) 577-5600, ask operator to page the physician on call. CGM-4300-008 (9/2007) WHITE COPY - MEDICAL RECORDS YELLOW COPY - PATIENT

Use Images...to Illustrate Concepts





Make it Look Easy Good Use of Graphics **My Healthy Plate** Plan the portions on your plate. Optional Fruit or Dairy Vegetables



Use Active Voice and Pronouns

Passive Voice

Is wordy and confusing:

The paperwork must be completed by the patient and received by the doctor's office at the time designated by that office.

21 words

Active Voice

Is concise and clear:

We must receive your completed paperwork by the deadline that we establish.

12 words



Plain Language and Readability: The Key

TO USE MEDICATIONS SAFELY

ASK YOUR DOCTOR

- What is the name of the medicine? Is this the brand or generic name?
- What does the medication do? How will I know when it is working?
- What side effects should I expect? What do I do if they occur?
- · When should I start to feel better?
- Does this new medication replace anything else I am taking?
- · What do I do if I miss a dose?

ASK YOUR PHARMACIST

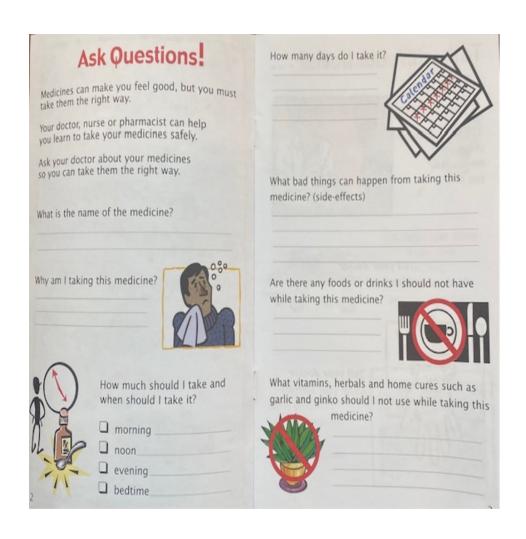
- What is the name of the medicine? (If the name is different than what your doctor told you, ask why.)
- How should I take this medicine and for how long?
- · Are there any side effects?
- Should I avoid alcohol, certain foods or activities while taking this medicine?
- How will this medicine interact with other medications I am taking, including overthe-counter and herbal medications?
- Could I have some written information about the medicine? Is it available in large print or a language other than English?

Medications contain powerful chemicals that cause changes in your body. It is essential to use them correctly.

Your doctor, nurse and pharmacist are trained to help you use your medication safely. But you, as a patient or family member, are the most important member of the health care team. You share the responsibility for safe medication use. Make sure you know your medications, how to take them and why you take them. If there is anything you don't understand about your medications, keep asking questions until you do.

This guide will help you use medications safely and know what questions to ask.

Plain Language and Readability: The Key



Plain Language and Readability: The Key





Discussion



Gaps were identified in community relations and culturally and linguistically congruent communication.



TRMC built infrastructure and relationships employing health literate practices to build a culture of culturally congruent care including:

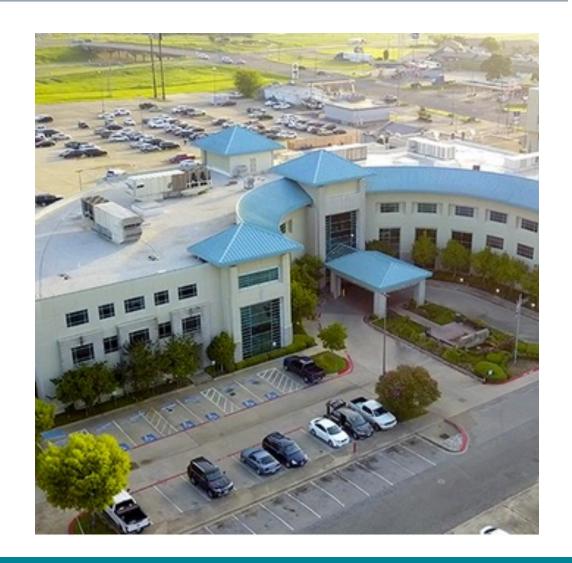
- Health Literacy Training for all Providers and Staff
- Communicating in a manner bridging Spanish/English to better serve their community.
- Taking steps to build a workforce that reflects the community and/or builds relationships to meet community needs.
- Opened a bilingual clinic and community clinic with CHW to support and empower the community to be partners in their health and health care.

Titus Regional's Conclusion



The healthcare system's openness to patientcentered and health literate care can serve to:

- Elevate patients' perspective in the discussion of healthcare communication.
- Operationalize diverse viewpoints on healthcare communication especially patient-provider communication.
- Protect public health overall and in crises.
- Reduce language and culturally induced health disparities.
- Empower patients to participate in their own care.



Key Takeaways



The COVID-19 pandemic emphasized the importance of effective, sustained patient & community-centered care.

Imperative that health communication be culturally and linguistically congruent.

TRMC's journey serves as a replicable best-practice.

Applicable to both rural and urban healthcare across the world to become Health Literate Healthcare Organizations.







Innovate to Communicate: Health Literacy Workforce Training



Resources for health literacy workforce training.

 The aim is to educate frontline clinicians and hospital leaders to build knowledge, efficacy and application of health literacy practices.

The toolkit includes:

- Lesson plan
- PowerPoint Presentation
- Demonstration Videos
- Role-play Scenarios
- Kahoot game
- Communication observation forms
- Self-learning Modules
- Participant and Trainer Evaluations

Cultural & Linguistically Appropriate Services (CLAS Standards) Training

Online training helps you obtain the foundational knowledge you'll need to provide culturally and linguistically safe care that is well understood by patients.

- Differentiate between equality and equity
- Recognize cultural differences experienced
 & value of CLAS
- Obtain 1 Free Hour of Ethics CME



Resources

AHRQ Health Literacy Universal Toolkit & Team STEPPS

https://www.ahrq.gov/health-literacy/quality-resources/tools/literacy-toolkit/index.html

https://www.ahrq.gov/teamstepps/index.html

CDC Health Literacy Training

https://www.cdc.gov/healthliteracy/gettraining.html

Sharma AE, Willard-Grace R, Willis A, et al. "How Can We Talk about Patient-centered Care without Patients at the Table?" Lessons Learned from Patient Advisory Councils. J Am Board Fam Med. 2016;29(6):775-784. doi:10.3122/jabfm.2016.06.150380

Greene J, Farley D, Amy C, Hutcheson K. How Patient Partners Influence Quality Improvement Efforts. Jt Comm J Qual Patient Saf. 2018;44(4):186-195. doi:10.1016/j.jcjq.2017.09.006

Brach C. The Journey to Become a Health Literate Organization: A Snapshot of Health System Improvement. Stud Health Technol Inform. 2017;240:203-237.

CLAS Training https://unthsc.rievent.com/a/AUOMMU

Health Literacy 101: https://unthsc.rievent.com/a/HBIKRC



What are your questions?