

# Health literacy considerations for clinical trial communication and decision making

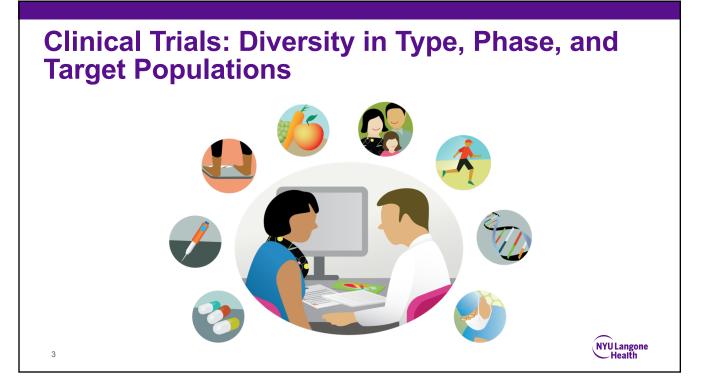
Aisha T. Langford, PhD, MPH Assistant Professor of Population Health Co-Director, CTSI Recruitment and Retention Core <u>aisha.langford@nyulangone.org</u>



#### Disclosures

2

• No financial conflicts of interest to report



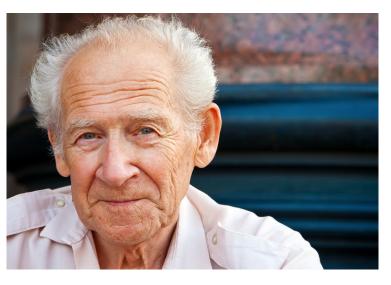
#### **One Definition of Personal Health Literacy**

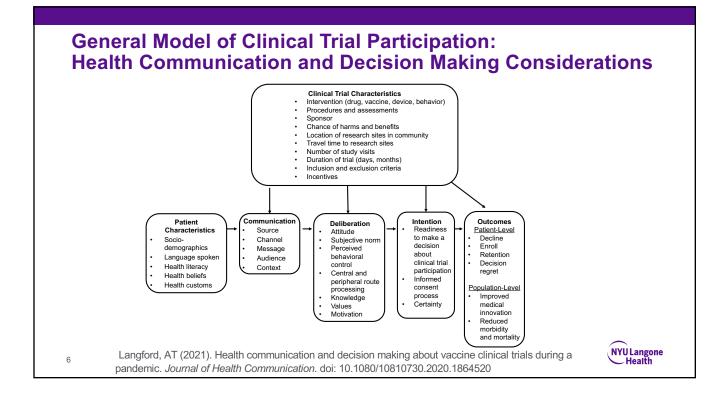
**Personal health literacy** is the degree to which individuals have the ability to find, understand, and use information and services to inform health-related decisions and actions for themselves and others.

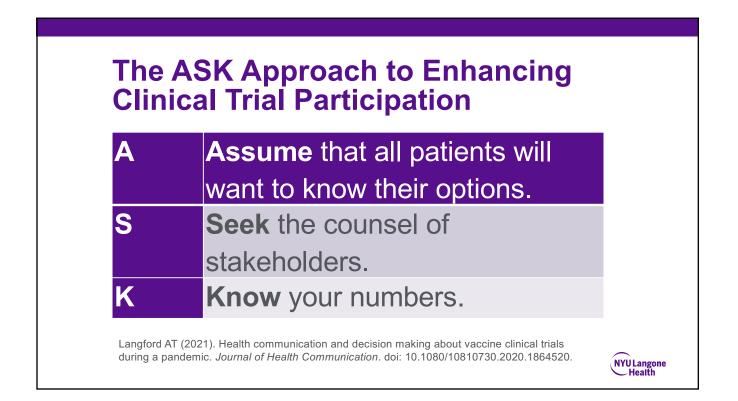
Healthy People 2030. <u>https://health.gov/our-work/national-health-initiatives/healthy-people/healthy-people-2030/health-literacy-healthy-people-2030/history-health-literacy-definitions.</u> Accessed 3/3/2022

3/3/22

#### Imagine That Your Neighbor Dave Asks You To Help Him Find a Clinical Trial for Alzheimer's Prevention







#### Stakeholders may include, but not limited to:

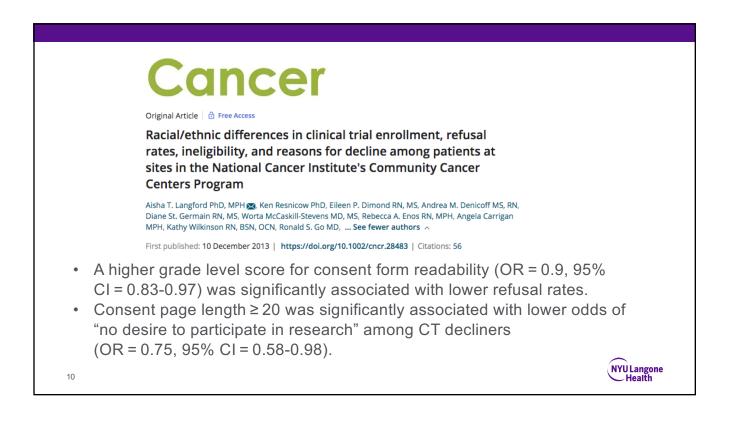
- Researchers
- Patients
- Caregivers
- Community health workers
- Community-based organizations
- Faith-based organizations
- Internal clinicians
- External referring clinicians

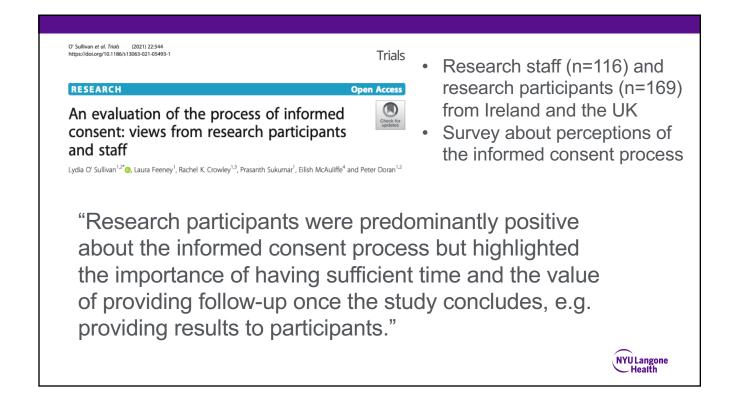
- Administrators
- Communication and marketing professionals
- Health information technology professionals
- Institutional review board professionals
- Pharmaceutical companies
- Media partners
- Policymakers

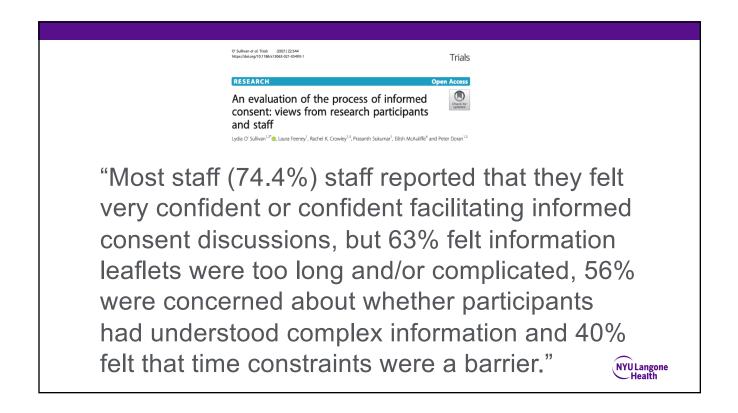
Langford AT (2021). Health communication and decision making about vaccine clinical trials during a pandemic. *Journal of Health Communication*. doi: 10.1080/10810730.2020.1864520.

## **Health Literacy and Informed Consent**

Perceptions of Clinical Trial Participation Among Women of Varying Health Literacy Levels		Linguistic Strategies for Improving Informed Consent in Clinical Trials Among Low Health Literacy Patients 3 Janice L. Krieger 🛎, Jordan M. Neil, Yulia A. Strekalova, Melanie A. Sarge		
LEVELS & Allison C. Burks Aubrey Doede Shayna L. Showalter Jessica Keim-Malpass (5) @ Clinical Trials Communication Patient Education		JNCI: Journal of the National Cancer Institute, Volume 109, Issue 3, March 2017, djw233, https://doi.org/10.1093/jnci/djw233 Published: 29 October 2016 Article history •		
<b>ONF</b> 2020, 47(3), 273-280 <b>DOI</b> : 10.1188/20.0N	F.273-280			
	Ethics	CLINICAL TRIALS		
	Simplification improves understanding of informed consent information in clinical trials regardless of health literacy level	Chical Trials 2015; Vol. 12(3):233–236 © The Author(4):2013 hegewise could/powershift approvide could/powershift for the form to (10.1177)/1407/515371139 c13approb.Com		
	Eun Jin Kim and Su Hyun Kim		NYU Langone Health	

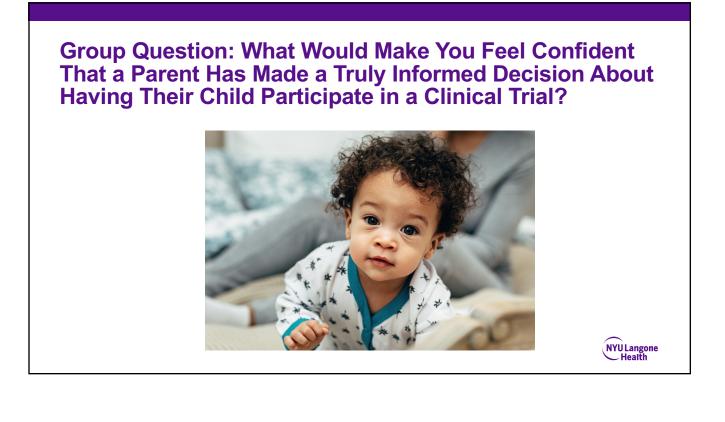






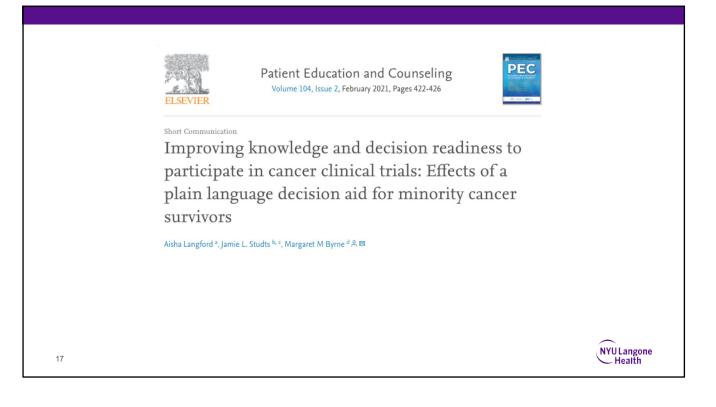
#### My Participation in Pfizer's Phase 1 COVID Vaccine Clinical Trial

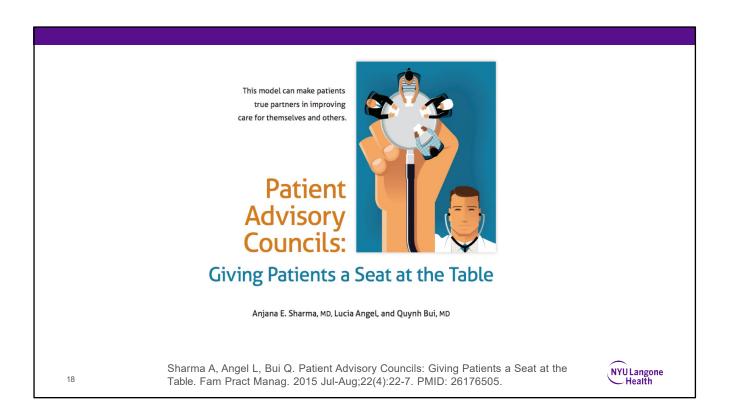
Title of Study: A Phase 1/2, Placebo-Controlled, Randomized, Observer-Blind, Dose-Finding Study to Describe the Safety, Tolerability, Immunogenicity, and Potential Efficacy of SARS- S20-00515 What I've Learned.'   Principal Investigator: Mark J. Mulligan, MD Division of Infectious Diseases and Immunology 430 E. 29th Street, 3rd Floor New York, NY 10016 212-263-5182 Mark J. Mulligan, MD   Emergency Contact: Mark J. Mulligan, MD Division of Infectious Diseases and Immunology	ne of the First People in t Get the Pfizer Vaccine. He	World to Get the Pfizer	Research Subject Informed Consent Form (Stage 1)	NYU Langone Health Vaccine Center
Division of Infectious Diseases and Immunology 430 E. 29 <sup>th</sup> Street, 3 <sup>rd</sup> Floor New York, NY 10016 212-263-5182	What I've Learned.'	What I've Lea	to Describe the Safety, Tolerability, Immunogenicity, and Potential Efficacy of SARS- CoV-2-RNA Vaccine Candidates Against COVID-19 in Healthy Adults	Title of Study:
Emergency Contact: Mark J. Mulligan, MD			Division of Infectious Diseases and Immunology 430 E. 29th Street, 3rd Floor New York, NY 10016	Principal Investiga
646-799-0778 About volunteering for this research study			646-799-0778	• •
You are being invited to take part in a research study. Your participation is voluntary which means you an choose whether or not you want to take part in this study.				

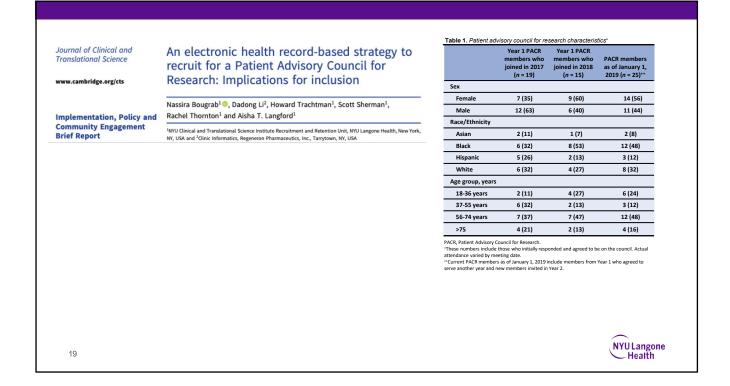


r		
	Accessible version: https://www.cdc.gov/healthliteracy/developmaterials/plain-language-communication.html	
	PLAIN LANGUAGE	
	Communication your audience	
	understands the first time	
	Organize to serve the audience	
	Choose words carefully Write in the active voice Choose words and numbers your audience knows Keep sentences and paragraphs short Include "you" and other pronouns	
	Make information easy to find Use headings and text boxes Delete unnecessary words, sentences, and paragraphs Create lists and tables	
15	CEnters for Disease Control and Prevention Agency for Toxic Substances and Disease Registry C1216011-8	NYU Langone Health









# NYU's CTSI Patient Advisory Council for Research

Gives feedback on . . .

- · Perceived burden of the study
- Comprehensibility of materials
- Appropriate reimbursement
- Recruitment materials
- Concerns and potential challenges
- Advertising the study

Health

NYU Langone Health

#### **Understanding Your Target Population**



#### What is Health Marketing?

21

 Health Marketing involves creating, communicating, and delivering health information and interventions using customer-centered and science-based strategies to protect and promote the health of diverse populations (CDC, 2005).

https://www.cdc.gov/healthcommunication/toolstemplates/WhatIsHM.html, Accessed 3/2/2022

Health

NYULangone Health

## The Four Ps of Marketing

- **Product**: the item, good or service that is being provided that delivers benefits to those who consume it; includes quality, packaging, design and brand name
- Price: monetary and non-monetary costs to the market
- **Place**: channels and locations where the product can be obtained
- Promotion: direct communication, publicity and advertising

https://www.cdc.gov/healthcommunication/toolstemplates/Basics.html, Accessed 3/2/2022

# **Choosing a Target Market**

- •A 'target market' is a specific group of people who have similar needs, preferences, and behaviors
- •Once a target market is selected by the marketer, a marketing plan is developed to match the characteristics of the target market

https://www.cdc.gov/healthcommunication/toolstemplates/Basics.html, Accessed 3/2/2022

## **Potential Ways to Segment the Market**

- •Age
- •Gender
- Race
- Ethnicity
- Geography
- Health problem
- Marital status
- Use of technology

- Health goals
- Education level
- Income level
- Risk factors
- Interests/activities
- Employment
- Caregiver roles
- Attitudes/beliefs



#### JAMA Open.

Original Investigation | Diversity, Equity, and Inclusion February 14, 2022

#### Comparison of Racial, Ethnic, and Geographic Location Diversity of Participants Enrolled in Clinic-Based vs 2 Remote COVID-19 Clinical Trials

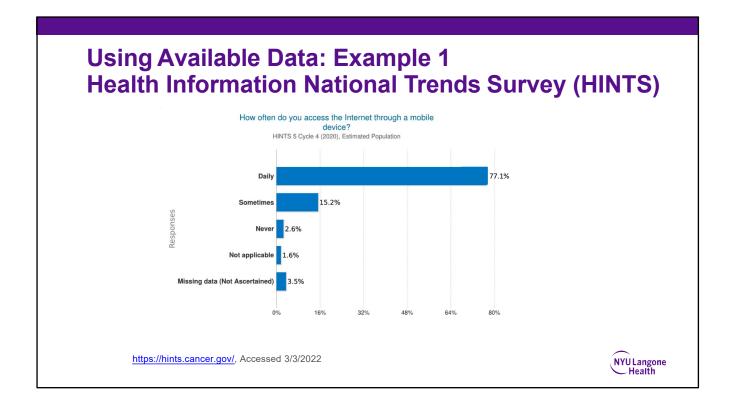
Jenell Stewart, DO, MPH<sup>1</sup>; Meighan L. Krows, BA<sup>1</sup>; Torin T. Schaafsma, MPH<sup>1</sup>; <u>Kate B. Heller, MS<sup>1</sup></u>; Elizabeth R. Brown, ScD<sup>3,4</sup>; Jim Boonyastranskom, MD, PhD<sup>2,4</sup>; Cate E. Brown, MS<sup>1</sup>; Hamah Leingang, MPH<sup>1</sup>; Caroline Luou, MA<sup>1</sup>; Ana Benthryn, PhD<sup>5</sup>; Mark D. Schwartz, MD<sup>3</sup>; Molardi Agarwal, PhO<sup>2</sup>, Dokane Friedman-Mathatom, MD<sup>4</sup>; Starben Eustase, BA<sup>1</sup>; Heiner C. Stankiwet Cate, MD<sup>4</sup>; Heiner K. Descher Teinstein Mark, MD<sup>4</sup>; Mark MD<sup>1</sup>; Mark K. Paasche-Ortow, MD, MA, MPH<sup>0</sup>; Patricia Kinsinger, PhD<sup>9</sup>; Splil G. Hosek, PhD<sup>10</sup>; Helen Y. Chu, MD, MPH<sup>1,2,1</sup>; Cornie Celum, MD, MPH<sup>1,2,1</sup>; Jared M. Baeten, MD, PhD<sup>-21,1</sup>; Anna Wild, MD, MPH<sup>4,2,1,1</sup>; Christine Johnston, MD, MPH<sup>2</sup>; Ruare V. Bamulas, MBChB, MSC, DPhI<sup>1,2,11</sup> Jarder M. Baeten, M. J. Artick Information

JAMA Netw Open. 2022;5(2):e2148325. doi:10.1001/jamanetworkopen.2021.48325

"This cohort study was a secondary analysis of 1410 participants enrolled in 3 COVID-19 studies conducted in 2020 during the early COVID-19 pandemic and found that remote clinical trials with online recruitment had increased racial, ethnic, and geographic location diversity among study participants."



# <section-header><list-item><list-item><list-item>





Contemporary Clinical Trials Volume 114, March 2022, 106676

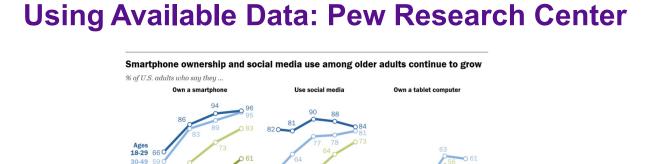


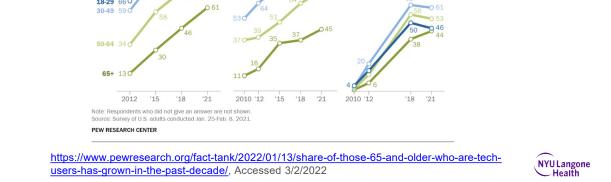
NYU Langone Health

Short Communication

Correlates of knowledge of clinical trials among U.S. adults: Findings from the 2020 Health Information National Trends Survey

Aisha T. Langford <sup>a</sup> ≈ ⊠, Kerli T. Orellana <sup>a</sup> ⊠, Nancy Buderer <sup>b</sup> ⊠

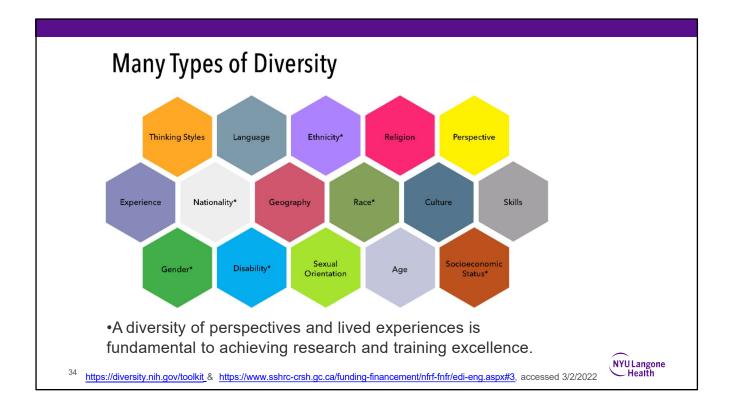






#### **Top 10 Social Media Recruitment Rules** • Follow IRB guidelines • Plan your social media strategy and calendar Create your online Have support persona Control comments • Research demographics Seek out training Track and measure success Budget appropriately Use ResearchMatch.org NYU Langone Health https://edgeforscholars.org/top-10-social-media-recruitment-rules/, Accessed 3/2/2022 32





Health

NYULangone Health

# Equity: One (of many) definitions

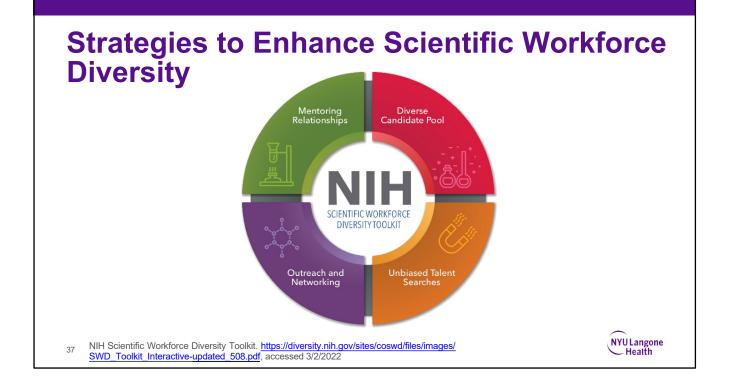
• The removal of systemic barriers and biases enabling all individuals to have equal opportunity to access and benefit from the program.

#### https://www.sshrc-crsh.gc.ca/funding-financement/nfrf-fnfr/edi-eng.aspx#3, accessed 3/02/2022

#### **Inclusion: One (of many) definitions**

 The practice of ensuring that all individuals are valued and respected for their contributions and are equally supported

36

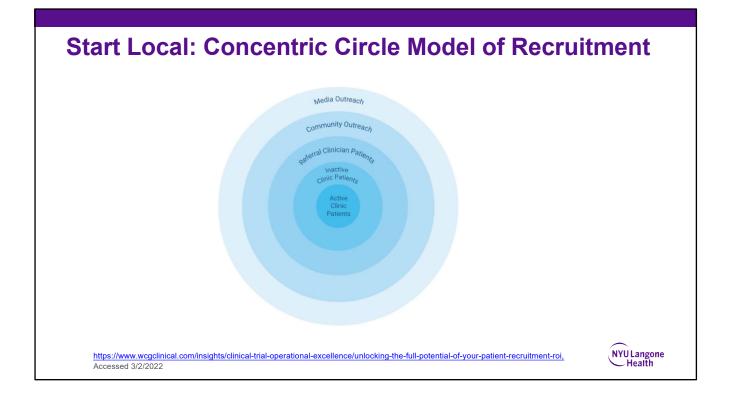


#### **Unintended Effects of Unpaid Internships**



#### Lessons Learned from Conducting Recruitment and Retention Consultations

- Assess grade level readability
- Use plain language
- Challenge assumptions
- Pay attention to design features
- Provide training for staff
- Use teach-back to confirm understanding
- Adequate compensation / incentives



#### **Emerging Questions**

- How can organizations support health literacy
- Handling uncertainty in clinical trials
- How to best explain randomization
- Which, if any, audio-visual supports are most helpful for improving informed consent

