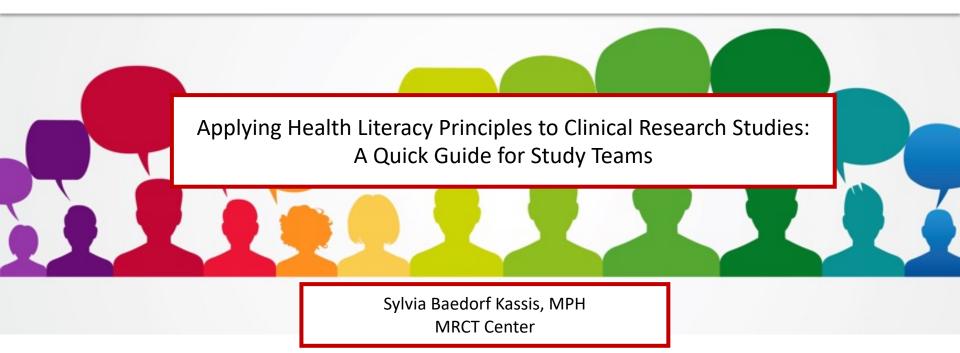


THE MRCT CENTER of BRIGHAM AND WOMEN'S HOSPITAL and HARVARD



### Disclaimer

- The opinions expressed are those of the author(s) and/or presenter(s) and are not intended to represent the position of Brigham and Women's Hospital or Harvard University.
- The MRCT Center is supported by voluntary contributions from foundations, corporations, international organizations, academic institutions, and government entities (see <u>www.MRCTCenter.org</u>) and well as by grants.
- We are committed to autonomy in our research and to transparency in our relationships. The MRCT Center retains responsibility and final control of the content of any products, results, and deliverables.
- I have no personal conflicts of interest relevant to this presentation.



### Objectives

- By the end of the session, attendees should be able to:
  - Describe what health literacy is and its relevance to clinical research.
  - Explain how health literacy best principles can be integrated into different phases of the clinical research life cycle.
  - Identify at least one health literacy best practice to integrate into a participant-facing communication.



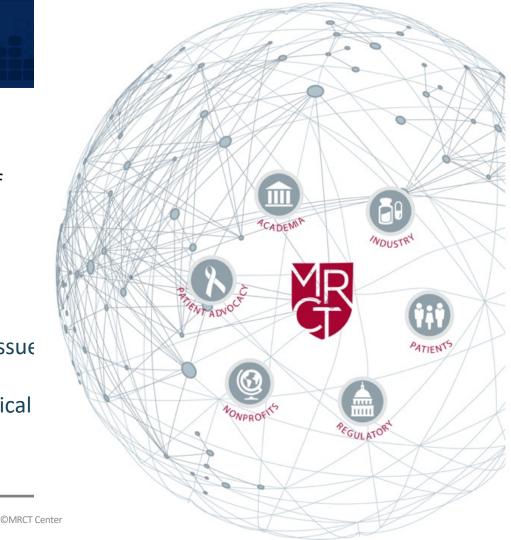
### Introduction to the MRCT Center

### **Our Vision**

Improve the integrity, safety, and rigor of global clinical trials.

### **Our Mission**

We engage diverse stakeholders in the research enterprise to define emerging issue in global clinical trials and to create and implement ethical, actionable, and practical solutions.



### MRCT Center's Commitment to Health Literacy

 2019 - Completed a multi-stakeholder initiative focused on health literacy and launched a publicly available website on Health Literacy in Clinical Research

www.mrctcenter.org/health-literacy

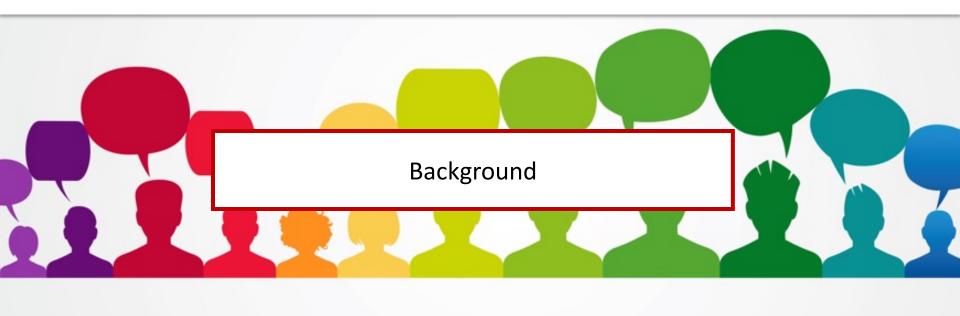
- 2020 Co-developed COVID-19 pamphlets to support understanding of clinical research (in English & Spanish, for adults and children). <u>https://mrctcenter.org/blog/resources/covid-19clinical-research-flyers/</u>
- 2021 launched a patient co-developed Clinical Research Glossary (expansion starts this month!) <u>https://mrctcenter.org/clinical-research-glossary/</u>





# CLINICAL TRIALS

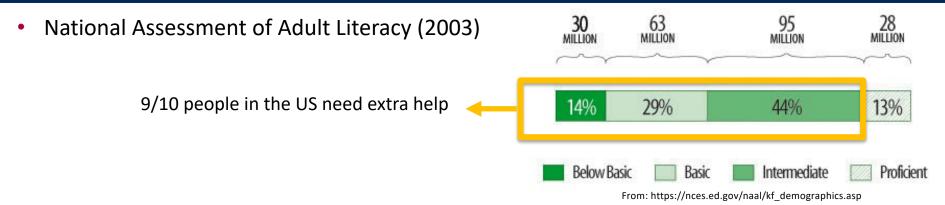
BRIGHAM AND WOMEN'S HOSPITAL and HARVARD



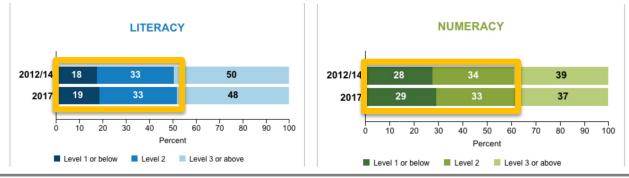




### The Challenge of Low Literacy in the US



Program for the International Assessment of Adult Competencies



From: https://nces.ed.gov/surveys/piaac/current\_results.asp

### **Evolving Definition of Health Literacy**

"Health literacy is the degree to which **individuals** have the capacity to obtain, process, and understand basic health information needed to make appropriate health decisions."

> Nielsen-Bohlman L, Panzer AM, Kindig DA, Editors, Committee on Health Literacy. Health Literacy: A Prescription to End Confusion. Washington, DC: Institute of Medicine. The National Academies Press; 2004.

**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.

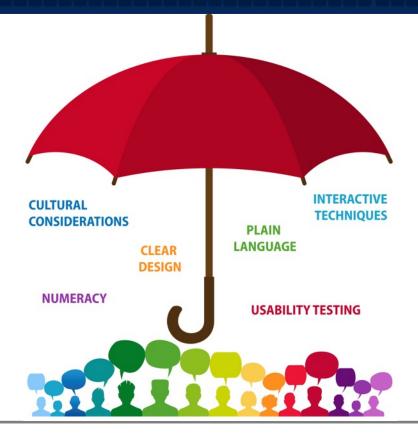
https://health.gov/our-work/national-health-initiatives/healthy-people/healthy-people-2030/health-literacy-healthy-people-2030

#### Communicator's Skill and Responsibility



**Individual Ability** 

### A Broad View of Health Literacy





### The Potential of Applying Health Literacy Best Practices

### Improved ADHERENCE to study procedures

# Higher levels of **SATISFACTION** in the research experience

(and presumably, a better chance of research being recommended to others)

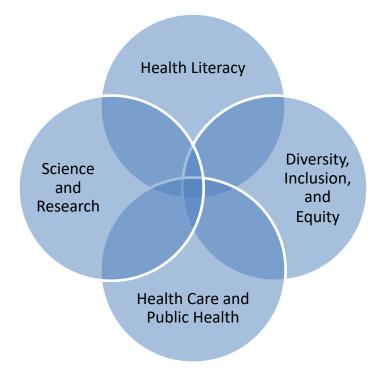
### Increased PARTICIPATION in studies

Greater AWARENESS of research

Reduced participant



### The Bigger Picture of Health Literacy



# Health literacy helps fulfills key ethical research principles:

- Respect for Persons
   A right to understand
- Beneficence
   An effort to reduce harm
- Justice
  - $\circ$  Equitable access to research





# **CLINICAL TRIALS**

BRIGHAM AND WOMEN'S HOSPITAL and HARVARD



### Clear communication is essential throughout the participant's clinical research journey.





### Integrating Health Literacy Principles

And repeat...... What we learn along the way informs future research studies

> END OF STUDY Sharing end of study communications and information

> > **ON STUDY**

Applying tools to support ongoing study participation

#### DISCOVERY

Building relationships and sharing general research information with the community

#### RECRUITMENT

Creating thoughtful study-specific recruitment materials and processes

CONSENT

Providing detailed study information to support informed decisionmaking



### Discovery



- General research awareness campaigns
- Outreach and engagement efforts to solicit potential participant input into study design and development



### Recruitment



- Advertisements and flyers
  - Print, web-based, e-mail
- Recruitment scripts for study staff
  - Phone or in-person



### Consent



- Consent forms
- Consent scripts and guides for study staff
- Study schedules/calendars
- Post-consent study enrollment surveys



### On Study



- Study medication/intervention instructions
- Study commitment contracts
- Adverse event reporting information
- Participant satisfaction surveys
- Individual study results (as applicable)



### End of Study



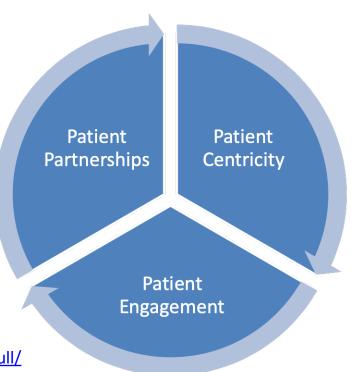
- Instructions for coming off the study
- Information on maintaining access to treatment options
- Aggregate (and possibly individual) study results/plain language summaries
- End of study surveys



### An Additional Opportunity: Partnering with Patients

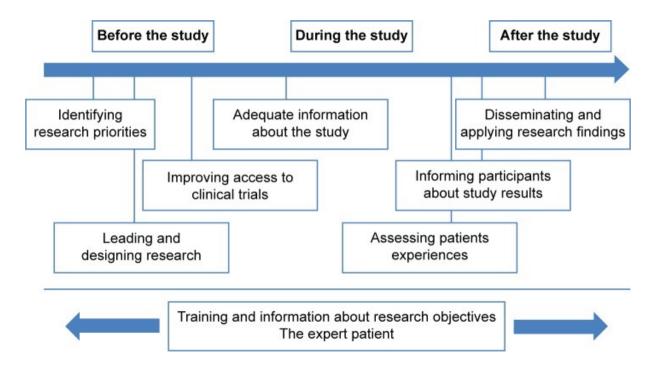
- Lessons learned from healthcare
  - People actively involved in their health and health care tend to have better outcomes.\*
  - Patient decision making is *enhanced* by personal experience and *complemented* by scientific knowledge of healthcare professionals.\*\*
  - Recognition of patients as experts fosters collaboration.\*\*







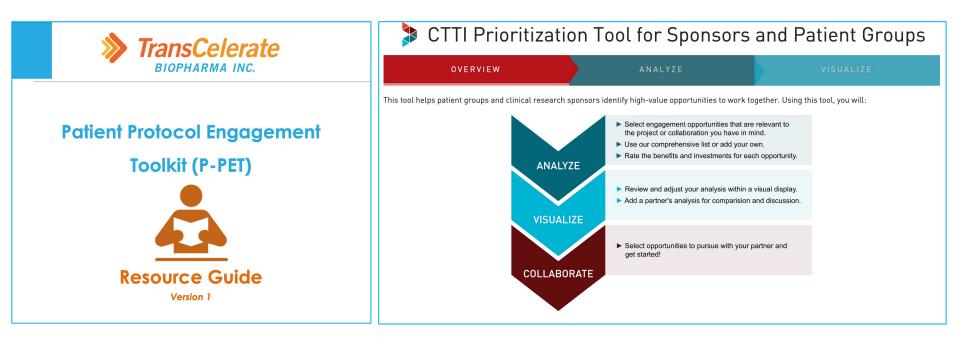
### Integrating Patient and Participant Input Throughout the Study



https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4854260/



### **Additional Resources**



https://www.transceleratebiopharmainc.com/ppet/ planning-for-patient-engagement/

https://prioritizationtool.ctti-clinicaltrials.org/





# **CLINICAL TRIALS**

BRIGHAM AND WOMEN'S HOSPITAL



### **Developing Clear Communications\***



### 1. Purpose

- 2. Audience
- 3. Process

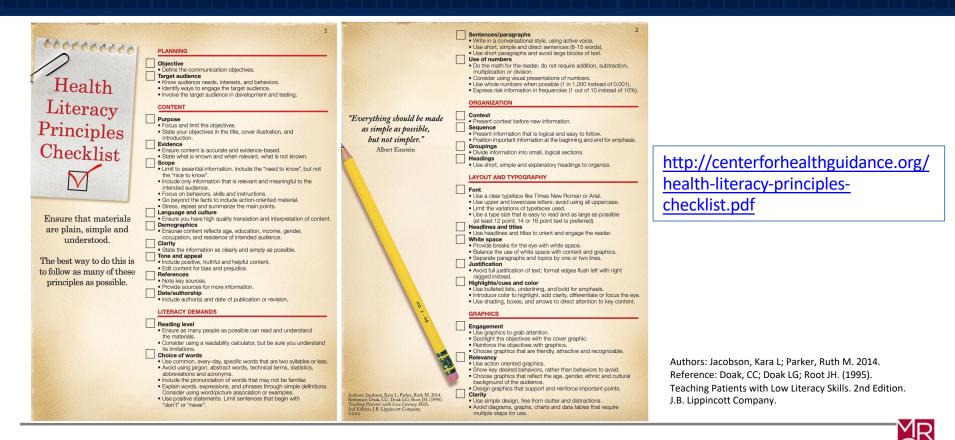
\*More about developing consent forms can be found here:

https://mrctcenter.org/health-literacy/tools/overview/consent-guide/

"three pillars" by controlenthused is licensed under CC BY 2.0



### Helpful resources are available



### Health Literacy in Action

#### Injection Guide for Study Drug or Placebo Panel A (Days 1-5) and Panel B (Days 6-10)

#### Instructions for Use

#### Study Drug or Placebo Injection

Each vial contains 1 mL of study drug or matching placebo. The volume removed from the vial determines the dose administered. The study staff will tell you how much to inject from each vial.

#### Important Information

- Refrigerate kitbox: Do Not Freeze.
- Vials should only be used one time.
- > Only uncap the vials that you are preparing to inject.
- > Only inject the volume instructed by study staff. Do not inject the entire contents of either vial.
- Always use a new site-provided syringe/needle for each injection.

#### Step 1: Prepare Vials

- · Remove 2 vials from the kit box and return kit box to the refrigerator.
- · Allow vials to come to room temperature for at least 15 minutes.
- · Vials should then be inverted a minimum of three times.
- · Wash your hands with soap and water.

#### Step 2: Prepare Syringe

- · Remove the cap from one of the vials and wipe the top of the vial with an alcohol swab.
- · Open a new syringe and needle.
- By pulling back on the plunger, draw air into the syringe up to the mark of the volume to be injected and then slowly inject the air into the vial.
- Keep the needle in the vial and turn the vial upside down. Make sure that the needle tip is well
  below the surface of the liquid in the vial.
- With the tip of the needle in the liquid, pull slowly back on the plunger to get the right volume into the syringe.
- Check the syringe for air bubbles. If there are bubbles, hold both the vial and syringe in one hand, and tap the syringe with your other hand. The bubbles will float to the top. Push the bubbles back into the vial, then pull back to get the right volume of study drug/placebo.
- When there are no bubbles, take the syringe out of the vial. Put the syringe down carefully so the needle does not touch anything.

#### Step 3: Injection

- Clean an injection site that is about 2-3 inches away from your belly button on your abdomen with a new alcohol swab. Let dry thoroughly.
- Hold the syringe in the hand that you will use to inject study drug. Use the other hand to pinch a fold of skin at the cleaned injection site.
- · Use the injection technique shown to you by the study staff.
- After the needle is inserted and while pinching the skin, pull the plunger back slightly. If no blood
  appears, steadily push the plunger all the way down until the study drug is injected. Note: If blood
  enters the syringe, remove the syringe, clean and prepare another spot on your abdomen and
  using the same syring/meedle, inject the product.
- Leave the syringe in place for about 6 seconds after injecting (the pinch may be released) and remove. After the needle is removed, you can apply light pressure with clean gauze or cotton ball but, do not rub the site.
- · Place used syringe/needle (do not re-cap the syringe) in a sharps disposal container provided by the

#### site

### How to give yourself the study medicine

Panel A (Days 1-5) and Panel B (Days 6-10)

#### Study medicine

Each bottle holds 1 mL of active drug or placebo.

The study staff will tell you how much medicine to use each time (this is called your dose). Only give yourself the dose the study staff told you. Do not use all the medicine in the bottle.

The study staff will tell you how much to inject from each bottle.

#### Important safety information

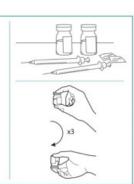
- Refrigerate the kit box Do not freeze.
- · Only use each bottle 1 time.
- · Use a new syringe and needle each time.
- · Only uncap the bottles when you use them.

#### Steps to give yourself the study medicine

#### Get ready

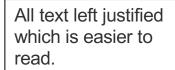
#### 1. Gather your supplies:

- 2 syringes
- 2 bottles of medicine
- 2 alcohol swabs
- Take out 2 bottles from the kit box and put the kit box back in the refrigerator.
- Let the bottles sit on the counter for at least 15 minutes to get to room temperature.
- Turn the bottles upside down and then right side up at least 3 times.
- 3. Wash your hands with soap and water.



#### Merck & Co., Inc. example with input from Health Literacy Media





Panel A (Days 1-5) and Panel B (Days 6-10)

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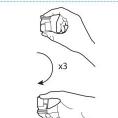
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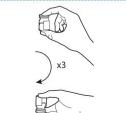
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Merck & Co., Inc. example with input from Health Literacy Media



Information

broken into

manage.

chunks that are

easier to read and

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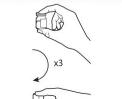
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### Different sections shaded with different colors to breakup content.

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#### Steps to give yourself the study medicine

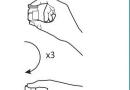
# Informative headings that are easy to spot.

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Get ready

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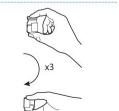
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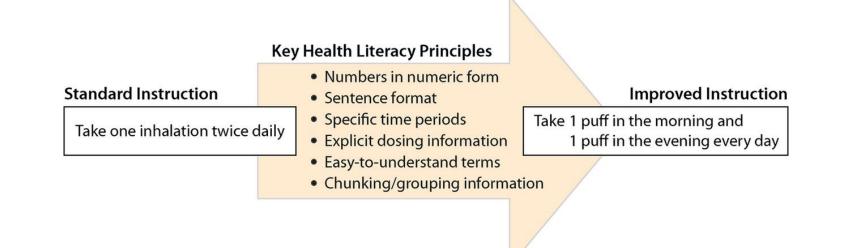


Graphics added to make instructions easier to follow.



WINC . ....

### Health Literacy in Action



https://bmjopen.bmj.com/content/4/1/e003699





# CLINICAL TRIALS

BRIGHAM AND WOMEN'S HOSPITAL and HARVARD



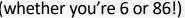
- Each of us can play a role in creating more understandable research materials
  - Clear participant-facing communications are essential throughout the clinical research life cycle.
- Consider health literacy best practices in your planning
  - Preparation and planning for clear research communications starts early in the process.
- Engage patients and participants with the lived experience to co-create
  - Including input is an essential part of developing understandable study-related materials.
- Practice makes <del>perfect</del> better.





### Thank you! **Questions?**

### **Clear Communications Benefit Everyone** www.mrctcenter.org/health-literacy



(whether you're 6 or 86!)