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National Institutes of Health

Virtual Clinical Trials: Challenges & Opportunities

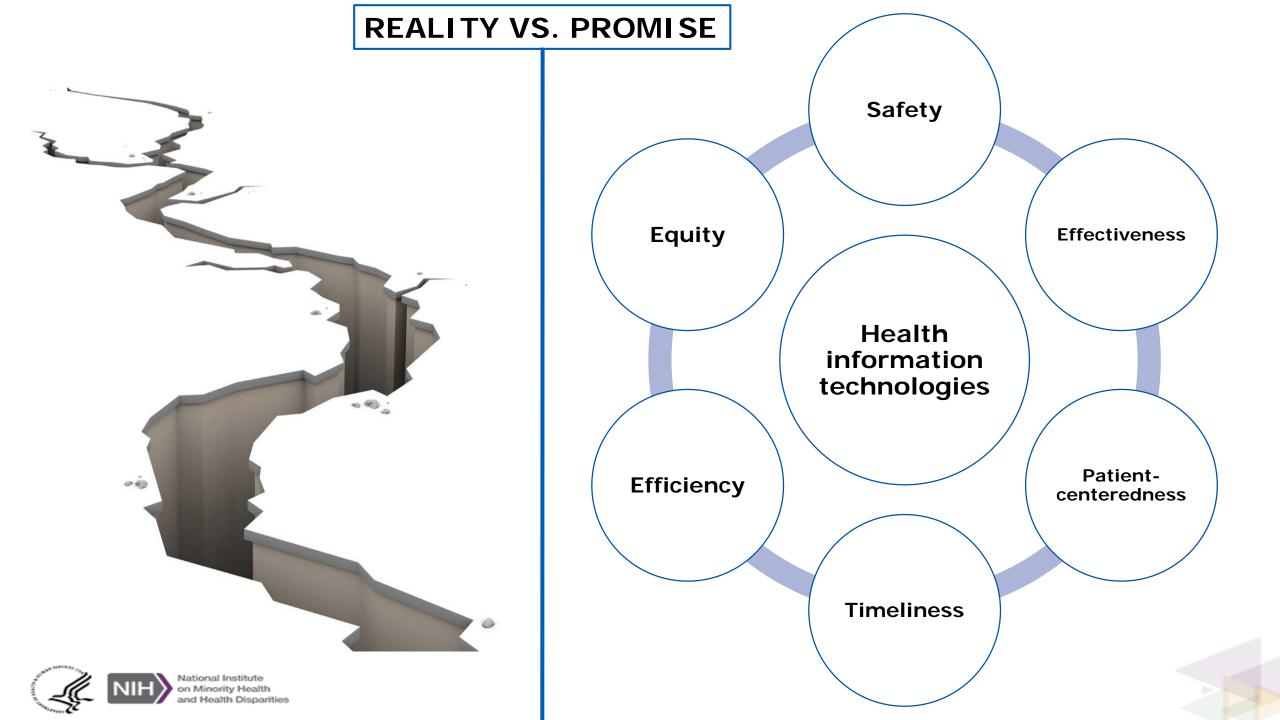
November 29, 2018



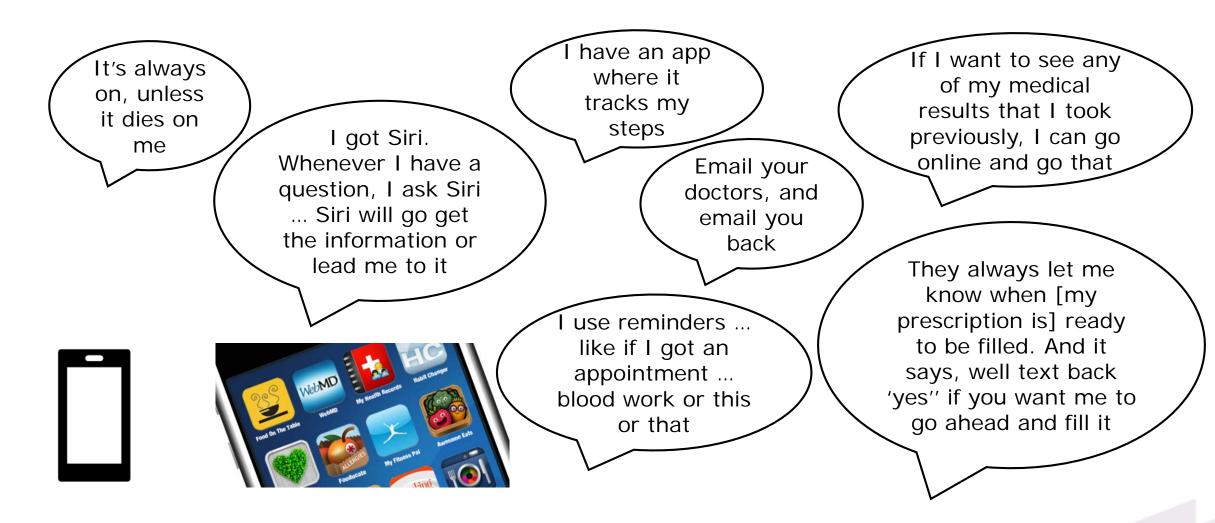
Disclaimer

- Funding was provided by the Division of Intramural Research, National Institute on Minority Health and Health Disparities, National Institutes of Health
- No conflicts of interest to report
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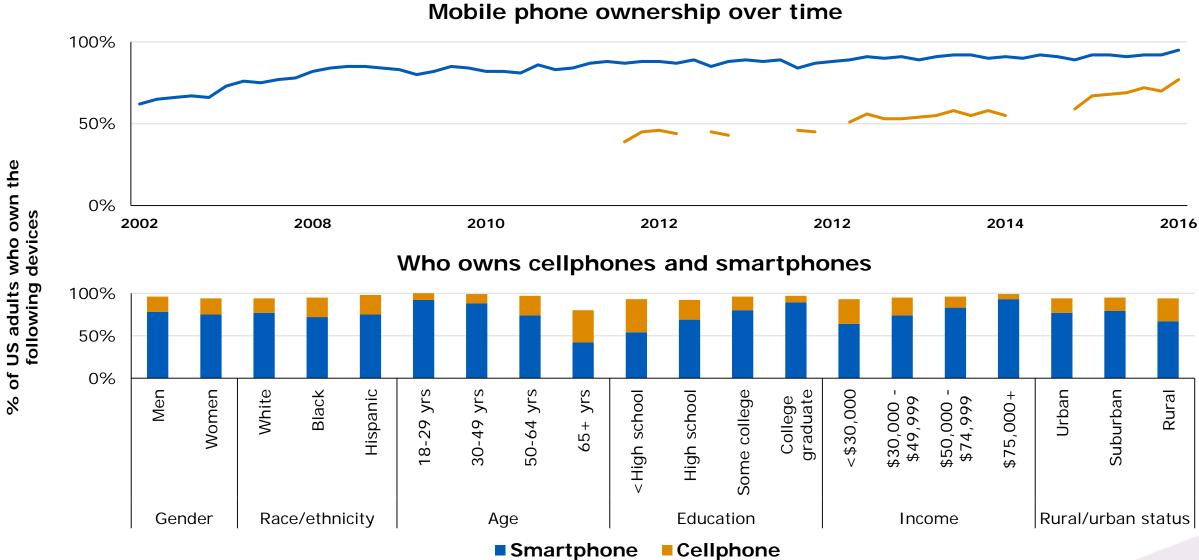
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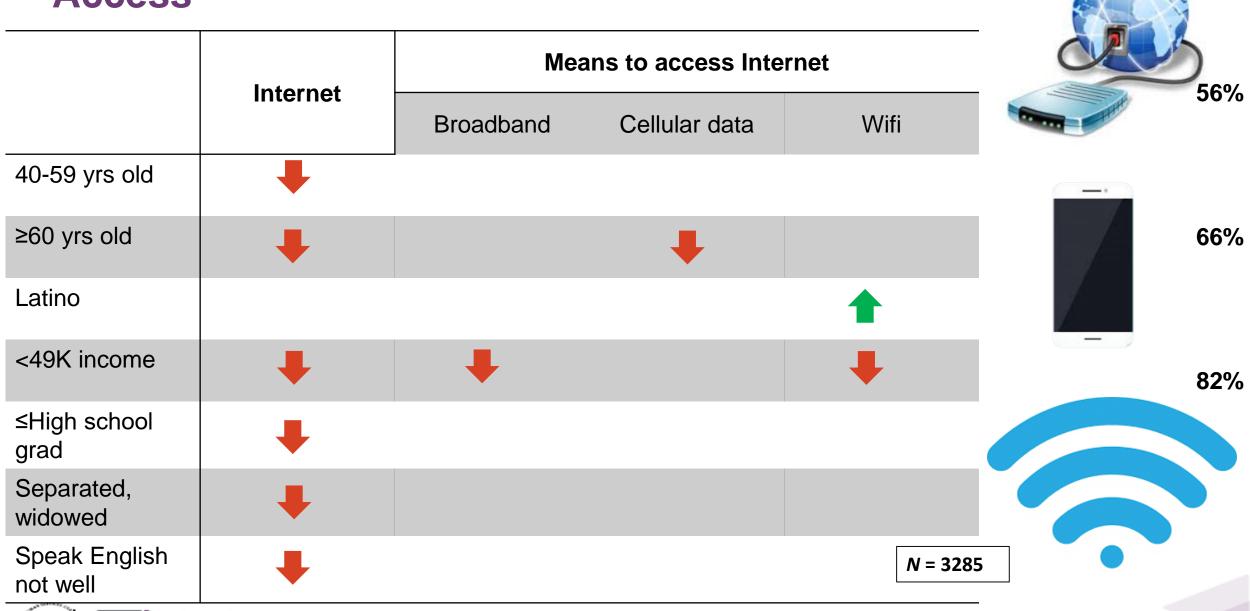
Ceasar, J., Time to listen: Community-based views of mhealth scope, benefits, and barriers. In preparation.

Access



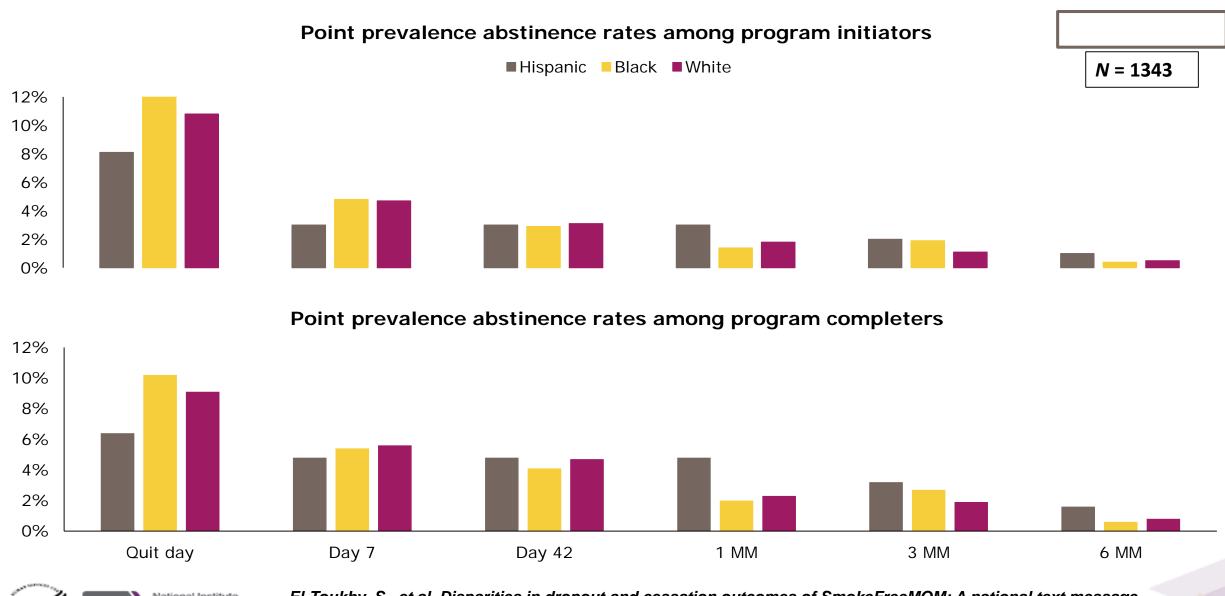


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Recruitment





El-Toukhy, S., et al. Disparities in dropout and cessation outcomes of SmokeFreeMOM: A national text message intervention for pregnant women. In preparation.

Recruitment

Recruitment plan: Who, how, where

Uh uh, I don't trust that, that's the government

I had a limited plan then I wouldn't...

Just make it simpler

I guess it's only in English and I live in Columbia Heights and there are a lot of Hispanics

to the community that you're dealing with and not be prejudge- not be judgmental, but reach them where they are and educate them, and try to bring them to where you want them to be

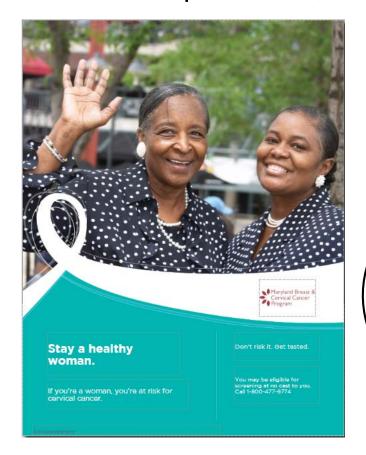
I think you have to be sensitive

I have like

four gigs or

something

We don't want like a global, we want personal [messages]

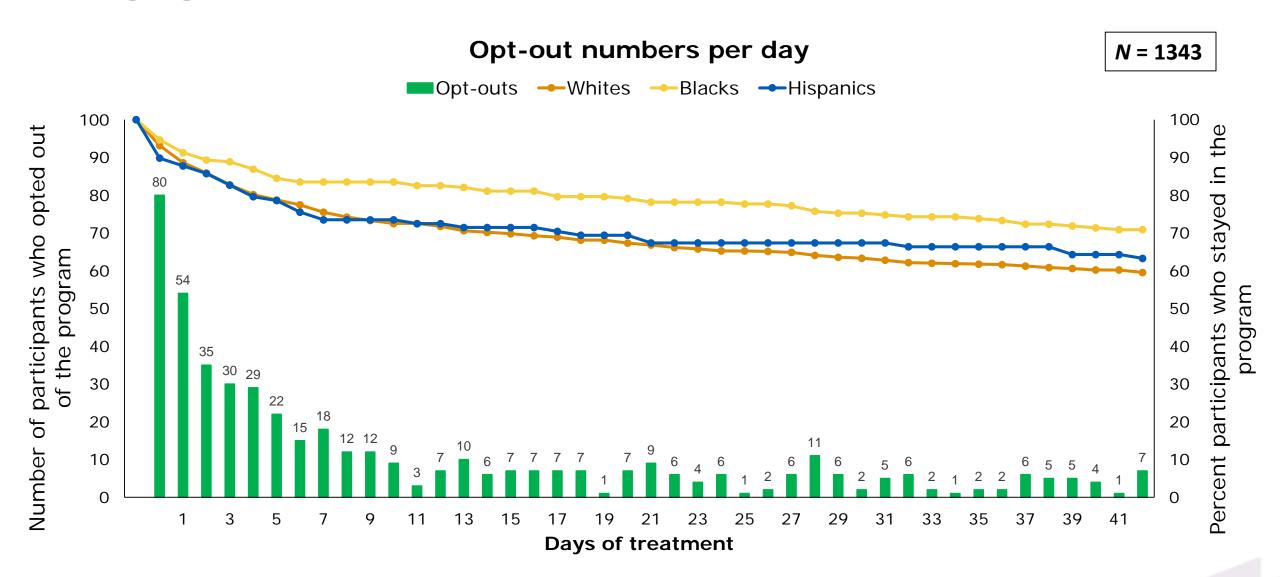


http://www.miyoworks.org/



Ceasar, J., Time to listen: Community-based views of mhealth scope, benefits, and barriers. JMIR Formative Research. In press.

Engagement





Engagement



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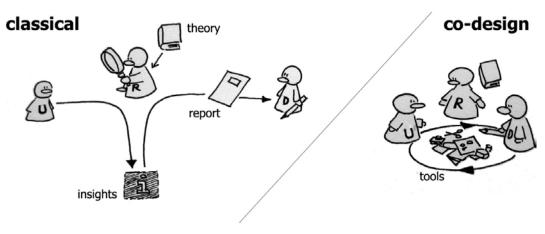


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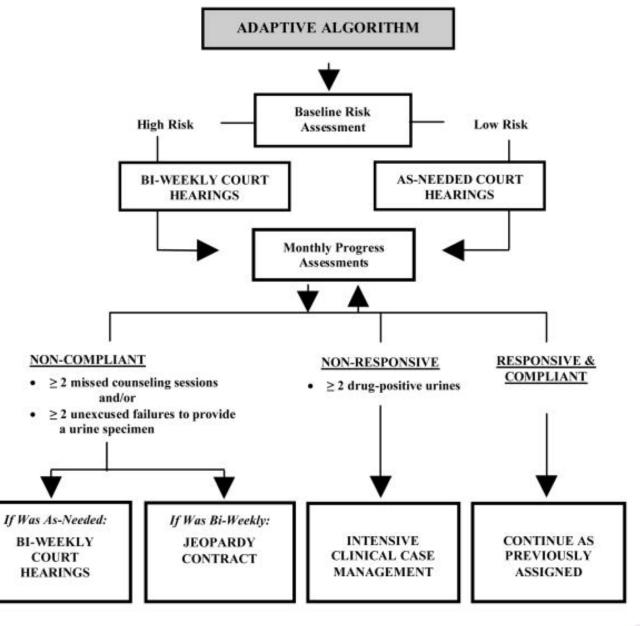
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http://www.healthmeasures.net/index.php



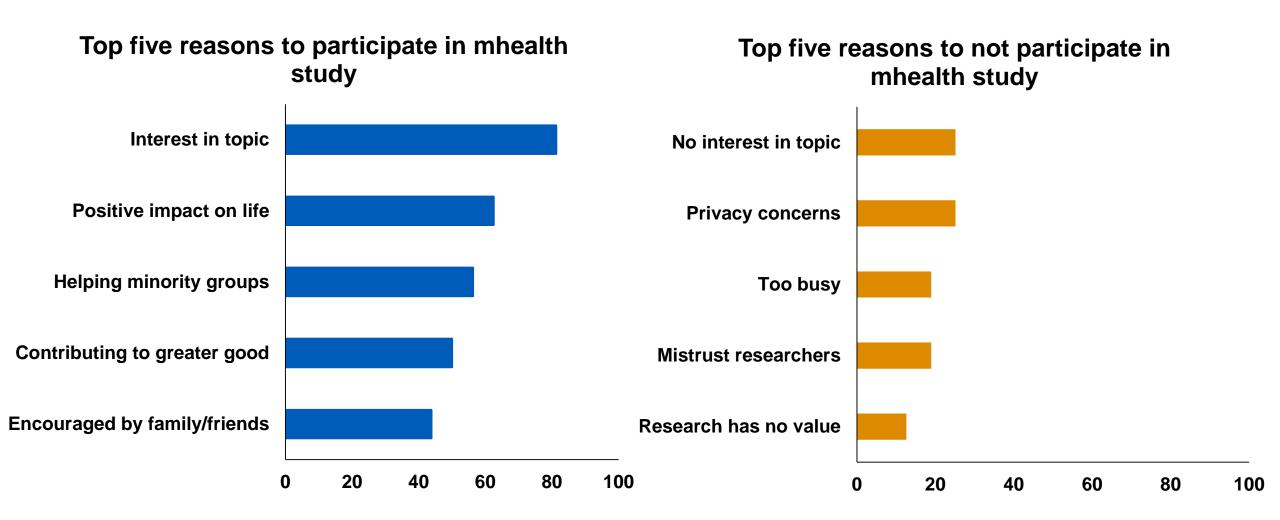
Sanders, E. & Stappers, P. Co-creation and the new landscapes of design. https://doi.org/10.1080/15710880701875068





Marlowe, et al., Adaptive programming improves outcomes in drug court: An experimental trial. *Crim Justice Behav.* 2012 Apr 1; 39(4): 514–532.

Research participation





Andrews, M., et al. Dispelling Myths on Participation and Engagement of Minorities in Community-Based Behavior Change Research Using Mobile Health Technology. Under Review.

Research participation

"There were only like 25 African
Americans in this study, so when they
put all the stuff together, it really
doesn't benefit African Americans if
we do not participate. We have to
participate."

"And also, continuing to get input from participants to make certain that you're on point in terms of what the needs are, what the interests and the needs are for a program of this nature. I think it's important to get the input of the participants. And not just get the input but take their input into account so as to improve on the program itself."

Increasing Level of Community Involvement, Impact, Trust, and Communication Flow Outreach Consult Involve Collaborate Shared Leadership Some Community More Community Community Involvement Strong Bidirectional Better Community Involvement Involvement Involvement Relationship Communication flow is Final decision making is Communication flows Communication flows to Communication flows bidirectional from one to the other, to the community and then both ways, participatory at community level. Forms partnerships with form of communication inform back, answer seeking community on each Entities have formed Gets information or feed-Involves more participaaspect of project from strong partnership Provides community with tion with community on back from the community. development to solution. structures. information. Entities share information. Entities form bidirectional Outcomes: Broader Entities coexist. Entities cooperate with communication channels. health outcomes affect-Outcomes: Develops coneach other. ing broader community. Outcomes: Optimally, nections. Outcomes: Partnership Strong bidirectional trust establishes communica-Outcomes: Visibility of building, trust building. built. tion channels and chanpartnership established nels for outreach. with increased coopera-

Reference: Modified by the authors from the International Association for Public Participation.

Figure 1.1. Community Engagement Continuum

https://www.atsdr.cdc.gov/communityengagement/pdf/PCE_Report_508_FINAL.pdf

"As we see here, is African Americans, and we look at these studies but they don't benefit [us], they don't have enough of us in it for it to benefit me."

Andrews, M., et al. Dispelling Myths on Participation and Engagement of Minorities in Community-Based Behavior Change Research Using Mobile Health Technology. Under Review.



Take away points

- Digital health technologies represent an opportunity for equitable participation in clinical trials
- Disparities exist in access, recruitment, and engagement
- Engaging communities, using new methodologies and measures can alleviate disparities

