Participant-Centered Research: If We Are Not at the Table, We Are on the Menu

Sharon Terry

President and CEO, Genetic Alliance

Human Subject Protection: *Changes*

Thursday, October 6, 2016



SHARON F. TERRY is President and CEO of Genetic Alliance, a civic enterprise engaging individuals, families and communities to transform health. Genetic Alliance works to provide programs, products and tools for ordinary people to take charge of their health and to further research.

As 'just a Mom' with a master's degree in Theology, she cofounded PXE International, a research advocacy organization for the genetic condition pseudoxanthoma elasticum (PXE), in response to the diagnosis of PXE in her two children in 1994. With her husband, she co-discovered the ABCC6

gene, patented it to ensure ethical stewardship in 2000. She subsequently developed a diagnostic test and conducts clinical trials. She is the author of 150 peer-reviewed papers, of which 30 are clinical PXE studies.

She serves in a leadership role on many major international and national organizations, including the Precision Medicine Initiative Cohort Advisory Panel. She is on the editorial boards of several journals. She led the coalition that was instrumental in the passage of the Genetic Information Nondiscrimination Act. She received an honorary doctorate from Iona College for her community engagement work in 2006; the Research!America Distinguished Organization Advocacy Award in 2009; and the Clinical Research Forum and Foundation's Annual Award for Leadership in Public Advocacy in 2011. She is Co-PI of the PCORnet Coordinating Center. She is a member of the Blue Ribbon Panel's Working Group on Enhanced Data Sharing for the Cancer Moonshot.

Terry is an Ashoka Fellow. With her husband Patrick, she is an avid paragliding pilot, rock climber and weekend farmer.

Participant-Driven Research: If we are not at the table, we are on the menu

6 October 2016
Human Subject Participant Protections
Covington, KY

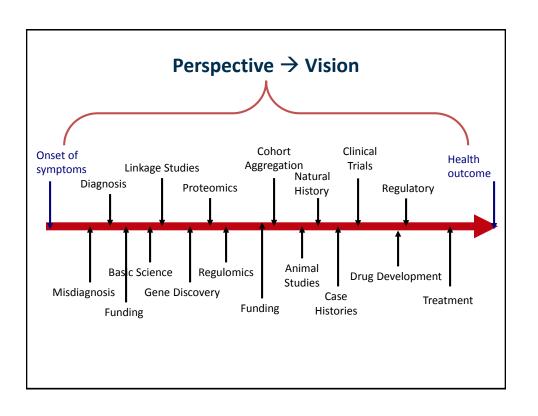
Sharon F. Terry





Illness is the night-side of life, a more onerous citizenship. Everyone who is born holds dual citizenship, in the kingdom of the well and in the kingdom of the sick. Although we all prefer to use only the good passport, sooner or later each of us is obliged, at least for a spell, to identify ourselves as citizens of that other place.

-Susan Sontag





Elizabeth and Ian diagnosed with pseudoxanthoma elasticum (PXE) 1994







A network of ~10,000 health organizations: advocacy, research, clinical, policy, public health

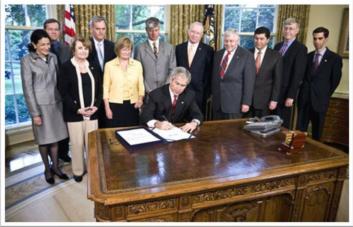
Striving to recognize people are the center – people-centered design

Through convening, activism, tools, policy revolutions



President Bush Signs the Genetic Information Nondiscrimination Act (GINA) into Law

May 21, 2008



The passage of GINA is the culmination of thirteen years of dedication and perseverance from the entire genetics community, led by the Coalition for Genetic Fairness, and more than 500 Congressional offices on Capitol Hill.

Genetic Alliance Projects

- http://www.geneticalliance.org
- http://www.babysfirsttest.org
- http://www.babysfirsttest.org/spanish
- http://www.Genesinlife.org
- http://www.diseaseinfosearch
- http://www.ginahelp.org
- https://www.peerplatform.org
- http://www.biobank.org
- http://www.geneticalliance.org/nets
- http://free-the-data.org
- https://www.trialsfinder.org
- https://www.reg4all.org

Engaging Communities and Participants

- Partners
 - Not patients, co-investigators
 - Not 'at the table', planning the meal
- Frictionless
 - In communities, with community leaders
 - Where we live and play, in our pathway
- Relevance/Value/Benefit
 - Our questions, meet needs
 - Results are visible and tangible
 - Solve my problems while you solve yours
- Beyond advocates and advocacy to affinity

Watch our language

"When we **LET** patients...

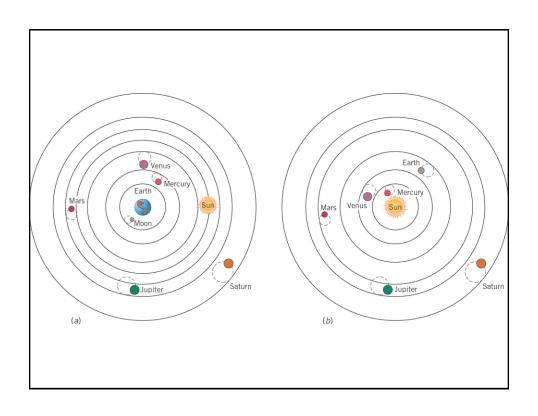
- Engage
- Participate
- Partner

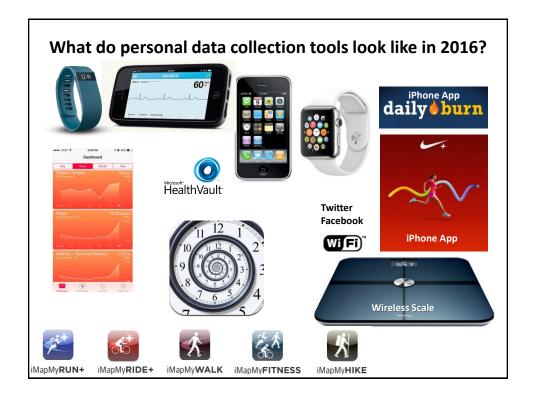
If this is real, then we are not LETTING patients come in or be part, we ARE partners, no need for permission...

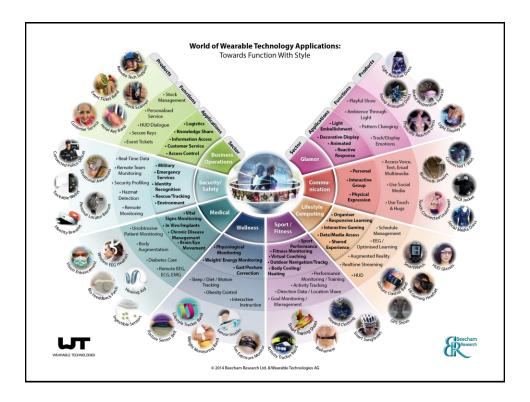
Discover Shared and Divergent Values

Not consent, engagement, which powers human-centered design

Evolving PROCESS







It's NOT about Educating

- Flyers
- Brochures
- Newspaper ads
- Bus stop tear offs
- Seminars
- ...

People don't need to be 'educated' to:

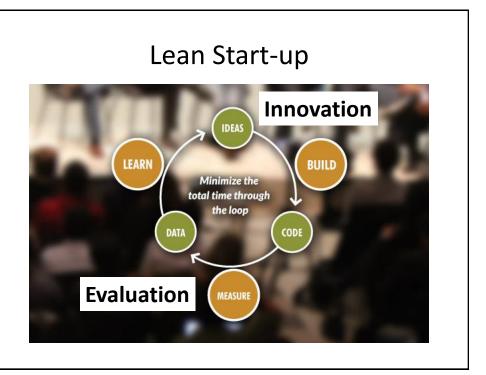
- Use Facebook
- Find a sale
- Know when their TV shows air.
- Increase uptake of apps and use them in huge numbers –
 - Waze
 - Twitter
 - The Bump (even health and wellness)

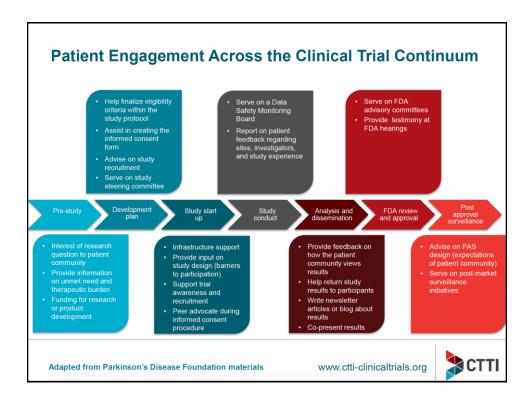
Reasons Little Participation

- Cottage industry
 - Fear of, regulation of, and no funding, for "advertising"
 - Little focus on newer communication modalities
- Little incentive to participate
 - What does this have to do with me?
 - Don't perfect interventions magically appear when I need them?
- Difficult to participate
 - Inconvienent, lots of friction
 - Cumbersome

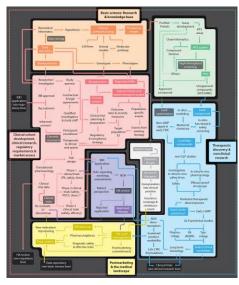
In other industries:

- Co-design
- Consumer testing
- Consumer preference analysis
- Responsiveness





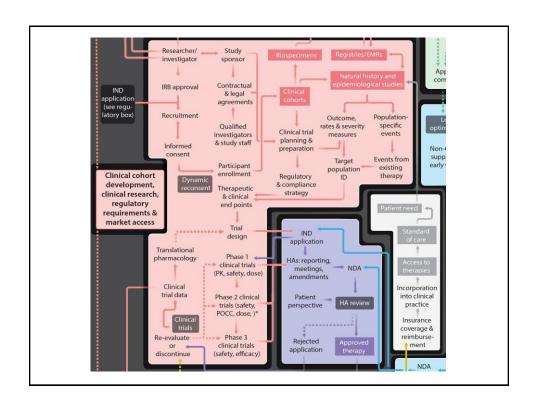


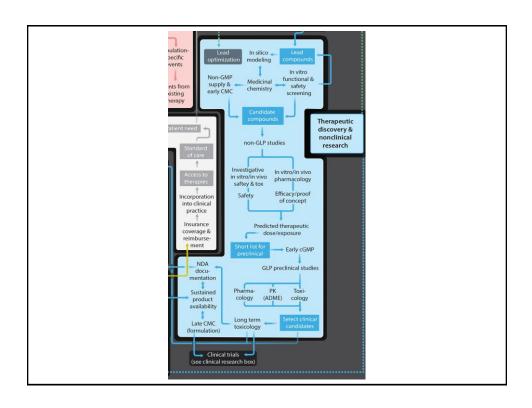


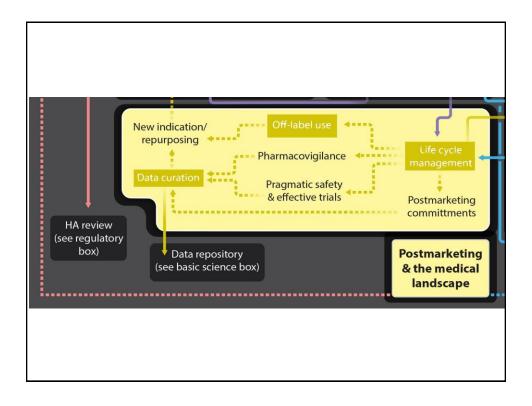
Baxter K, Horn E, Gal-Edd N, Zonno K, O'Leary J, Terry PF, Terry SF. An end to the myth: there is no drug development pipeline. *Sci Transl Med.* 2013 Feb 6;5(171):171cm1. PMID: 23390245

Map revised as a multistakeholder activity of the Intitute of Medicine Drug Forum throughout 2015, defining Forum priorities.

geneticalliance.org/NETS Basic science: Research & knowledge base Biomedical Hypothesis Data mining Distal Informatics Animal Molecular models Protein development HTS assay Cell lines Animal Molecular models Phenotypes Genotypes Phenotypes Researcher/ Study Biospeciment Registrice (EMB) Researcher/ Sportsor Compound Co







Our national clinical research system is well-intentioned but flawed

We are not generating the evidence we need to support the healthcare decisions that patients and their doctors have to make every day.

- High percentage of decisions are not supported by evidence
- Health outcomes and disparities are not improving
- Current clinical research system faces several problems:



Doesn't answer questions that matter most to people



Too slow



Too expensive

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We can improve



What if we could have at our fingertips trustworthy, high-quality data from health systems, people and partnerships to bring people the real-world answers they seek?



What if we could decrease the time it takes to get clinical insights?



What if we could achieve significant cost savings over a traditional clinical study?

PCORnet: the National Patient-Centered Clinical Research Network



PCORnet is a large, highly representative, national patient-centered clinical research network.

Our <u>vision</u> is to support a learning U.S. healthcare system and to enable large-scale clinical research conducted with enhanced quality and efficiency.

Our <u>mission</u> is to enable faster, more trustworthy clinical research that <u>helps</u> people make informed health decisions.

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With PCORnet, we have developed a nationwide functional research network that...

- Engages people, clinicians, and health system leaders throughout
- Creates infrastructure, tools, and policies to support rapid, efficient clinical research
- Utilizes multiple data sources including electronic health records, insurance claims data, data reported directly by people, and other data sources

PCORnet embodies a "community of research" by uniting people, clinicians & systems



20 Patient-Powered Research Networks (PPRNs)

13 Clinical Data Research = Networks (CDRNs)

PCORnet A national infrastructure for people-centered clinical research

PPRNs



American BRCA Outcomes and Utilization of Testing Patient-Powered Research Network (ABOUT Network)

University of South Florida



ARthritis patient Partnership with comparative Effectiveness Researchers (AR-PoWER PPRN) Global Healthy Living Foundation



CCFA Partners Patient Powered Research Network
Crohn's and Colitis Foundation of America



Collaborative Patient-Centered Rare Epilepsy Network (REN) Epilepsy Foundation



Community and Patient-Partnered Centers of Excellence for Behavioral Health



University of California Los Angeles <u>Community-Engaged Network for All (CENA)</u> Genetic Alliance, Inc.



COPD Patient Powered Research Network
COPD Foundation



DuchenneConnect Registry Network Parent Project Muscular Dystrophy



Health eHeart Alliance University of California, San Francisco (UCSF)































ImproveCareNow: A Learning Health System for Children with Crohn's Disease and Ulcerative Colitis Cincinnati Children's Hospital Medical Center

Interactive Autism Network Kennedy Krieger Institute

Mood Patient-Powered Research Network Massachusetts General Hospital

Multiple Sclerosis Patient-Powered Research Network Accelerated Cure Project for Multiple Sclerosis

National Alzheimer's and Dementia Patient and aregiver-Powered Research Network Mavo Clinic

NephCure Kidney Internationa Arbor Research Collaborative for Health

Patients, Advocates and Rheumatology Teams Network for Research and Service (PARTNERS) Consortium Duke University

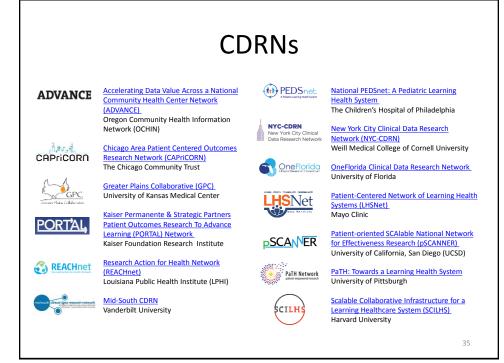
Phelan-McDermid Syndrome Data Network Phelan-McDermid Syndrome Foundation

PI Patient Research Connection: PI-CONNECT Immune Deficiency Foundation

<u>Population Research in Identity and Disparities for Equality Patient-Powered Research Network</u> University of California San Francisco

Vasculitis Patient Powered Research Network University of Pennsylvania

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system
with unparalleled research

Number of people with data available in PCORnet to date:

~145 Million

*Based on data from 57 DataMarts as of July 15, 2016

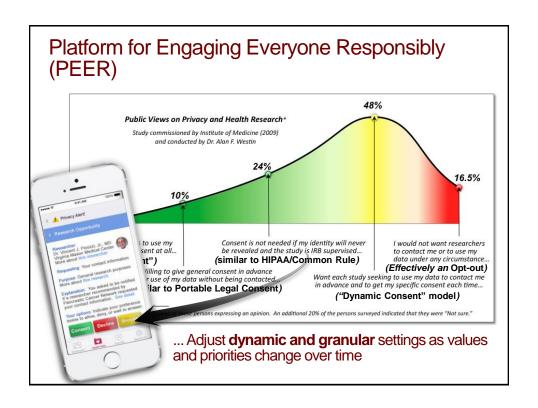
Pool of patients

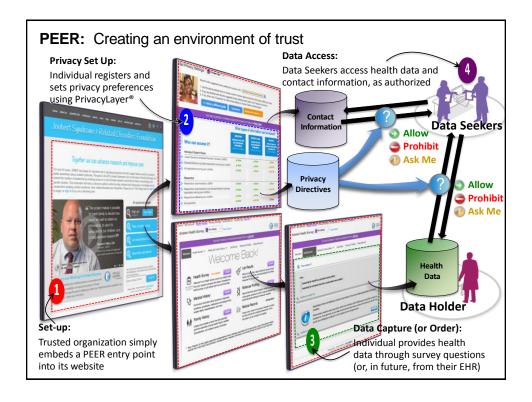
For clinical trials

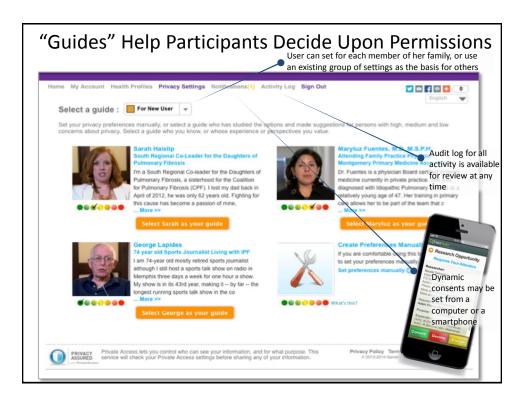
42,545,341

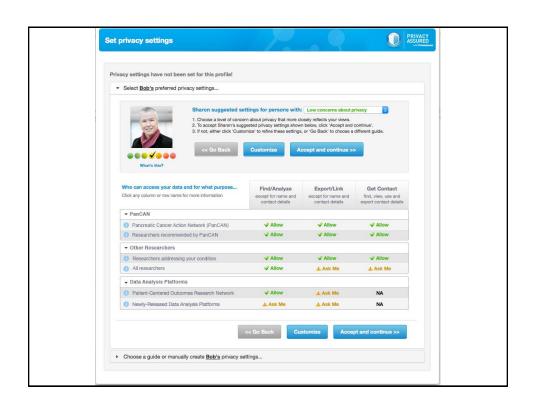
For observational studies

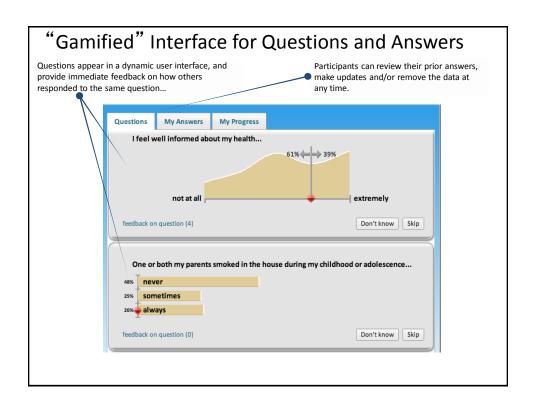
83,131,450

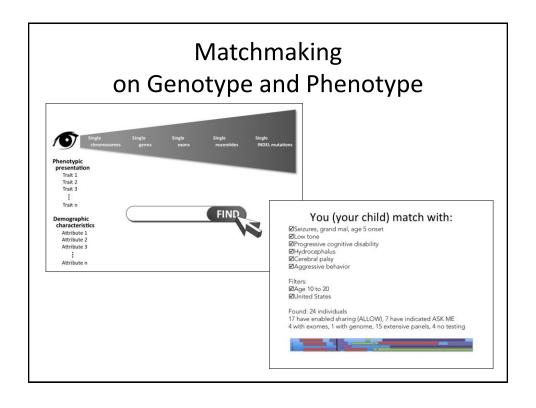












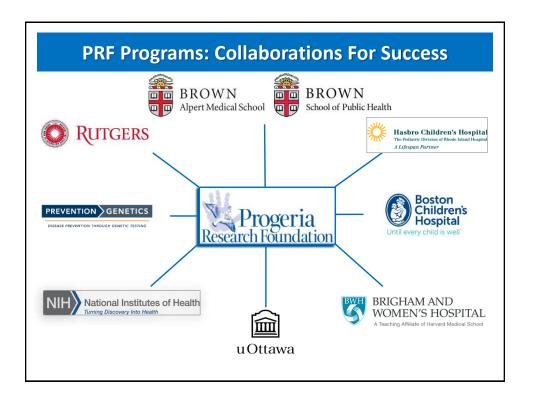


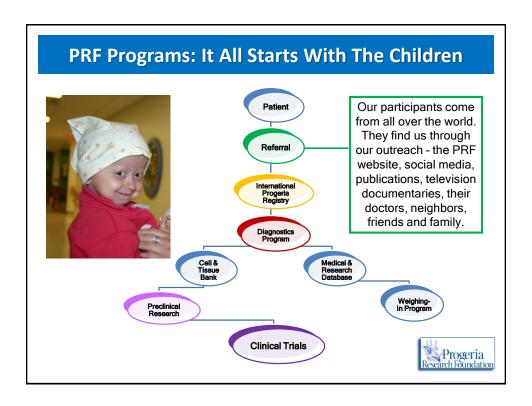


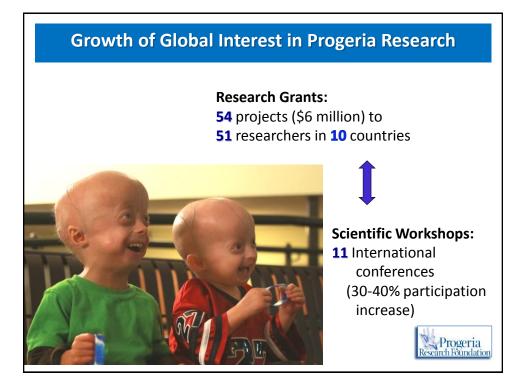


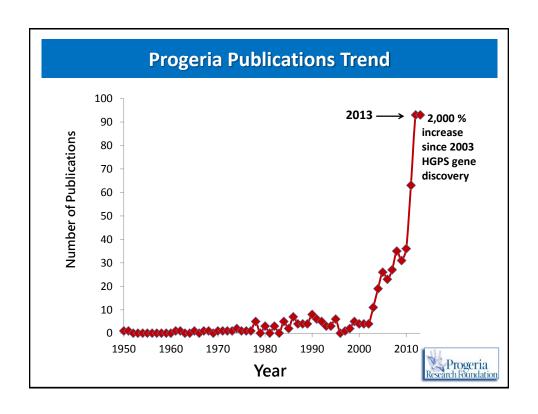
Audrey Gordon, Esq.

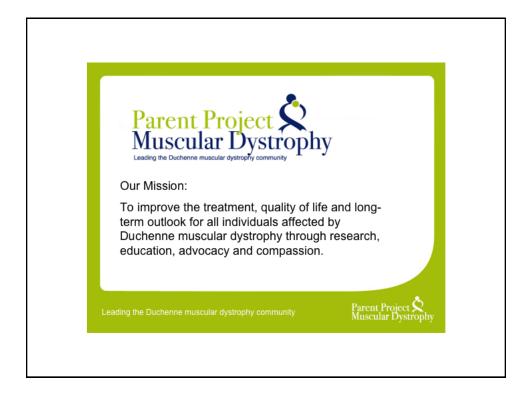
President, Executive Director - The Progeria Research Foundation



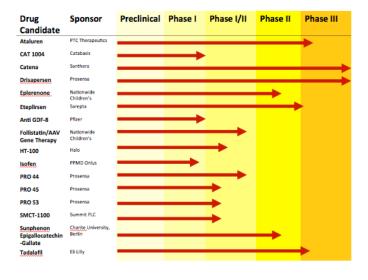








A Drug Development Pipeline in Duchenne Full of Potential



Informed Public Drives All Stages of Clinical Research

- · Participant perspective to study design
 - Protocol Design and Review
 - IRB
 - Data safety monitoring boards
 - Data sharing
- Engagement more than consent, recruitment and retention
 - Reasonable compliance AIDS Community examples
 - Enhanced community education
 - Better cohort accrual Herceptin example
 - Improve participant retention
- Analysis, results, dissemination, integration into practice
- · Advance public trust in research

Culture Challenge

- Non-paternal (maternal)-istic
- Share investigation, partners
- Set the passion of people on fire, it will fuel the cultural transformation – not just enrollment for you study
- Engagement has to be = to other aspects
- Build a trustworthy environment, don't ask participants to trust you
- Face our fears this will be weird at first
- Participants/partners accountable too
- Transparency make mistakes, apologize, move on





2015

Contact Information



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