Implementation and Dissemination Science in Cancer Survivorship Care Delivery

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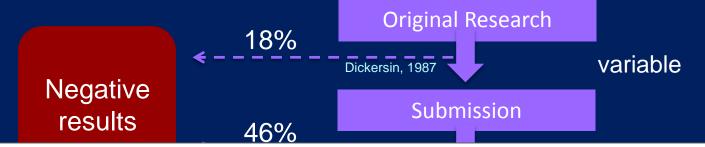
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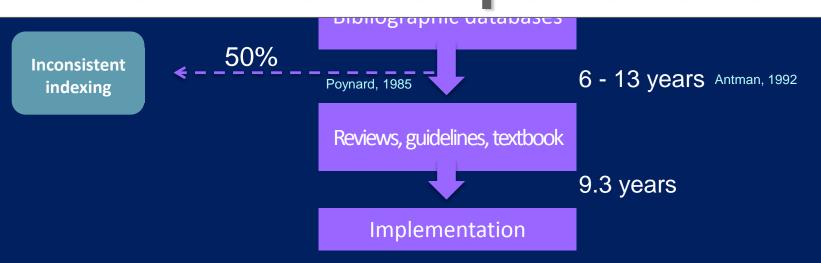
Session Outline

- A Brief Orientation to the Science of D&I
- D&I Models
- Opportunities
- Resources

Balas & Boren, 2000



It takes 17 years to turn 14 percent of original research to the benefit of patient care



We assume... "If you build it..."



A Challenge from Multiple Perspectives...



An Evidence-Based Program for Survivorship Care

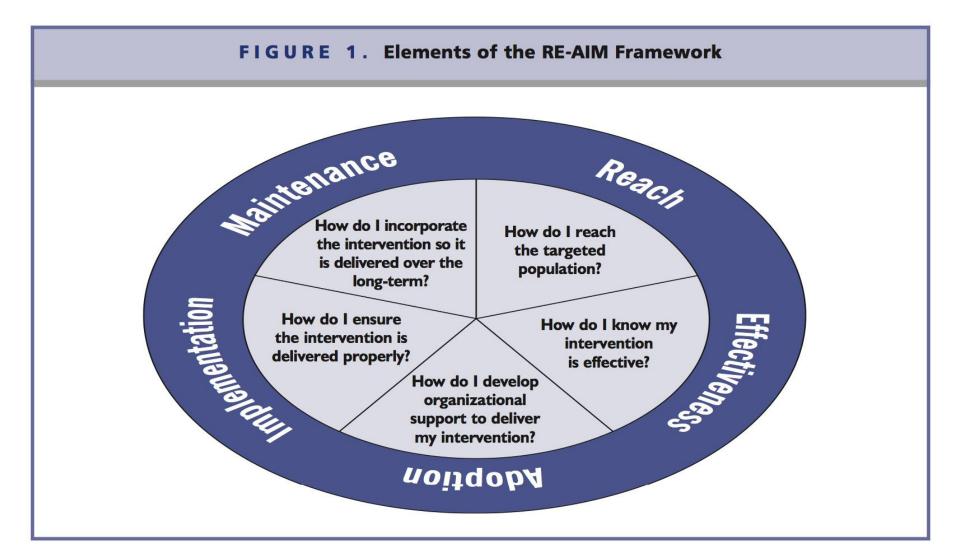
- Is only so good as how and whether. . .
 - It is adopted?
 - Providers are trained to deliver it?
 - Trained providers choose to deliver it?
 - Eligible people receive?

If we assume 50% threshold for each step. . .

(even w/perfect access/adherence/dosage/maintenance)

Impact: .5*.5*.5*.5=6% benefit

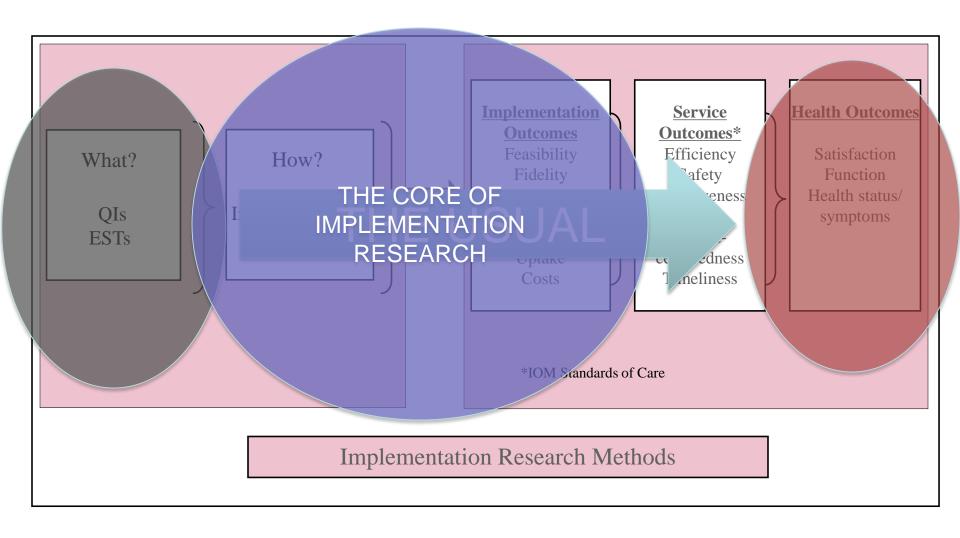
Beyond efficacy/effectiveness



Key Terms

- Implementation Science is the study of methods to promote the integration of research findings and evidence into healthcare policy and practice.
- Dissemination research is the scientific study of targeted distribution of information and intervention materials to a specific public health or clinical practice audience. The intent is to understand how best to spread and sustain knowledge and the associated evidence-based interventions.
- Implementation research is the scientific study of the use of strategies to adopt and integrate evidence-based health interventions into clinical and community settings in order to improve patient outcomes and benefit population health.

Studying Implementation



Proctor et al, 2009, APMH&MHSR

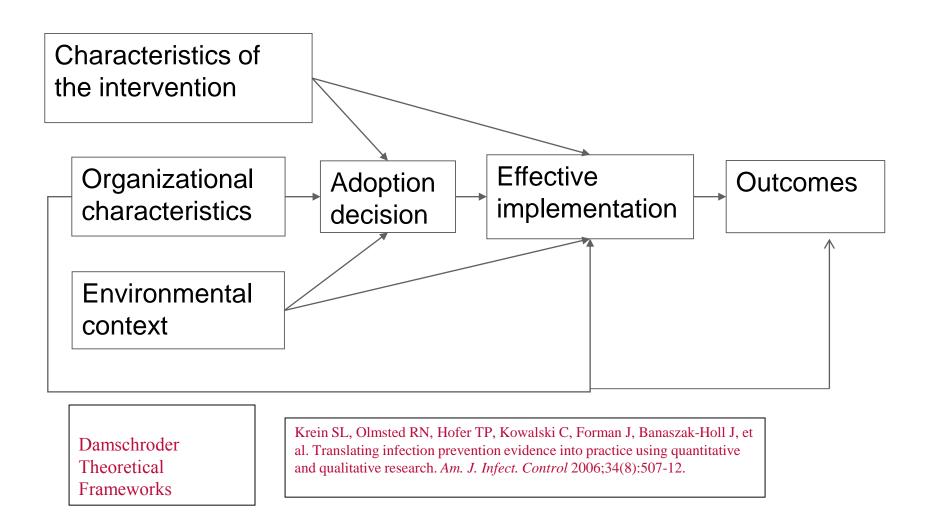
There are lots of D&I models

- Identified 109 models
- Exclusions
 - 26 focus on practitioners
 - 12 not applicable to local level dissemination
 - 8 end of grant knowledge translation
 - 2 duplicates
- Included 61 models
- Across Construct Flexibility, SEF, D/I

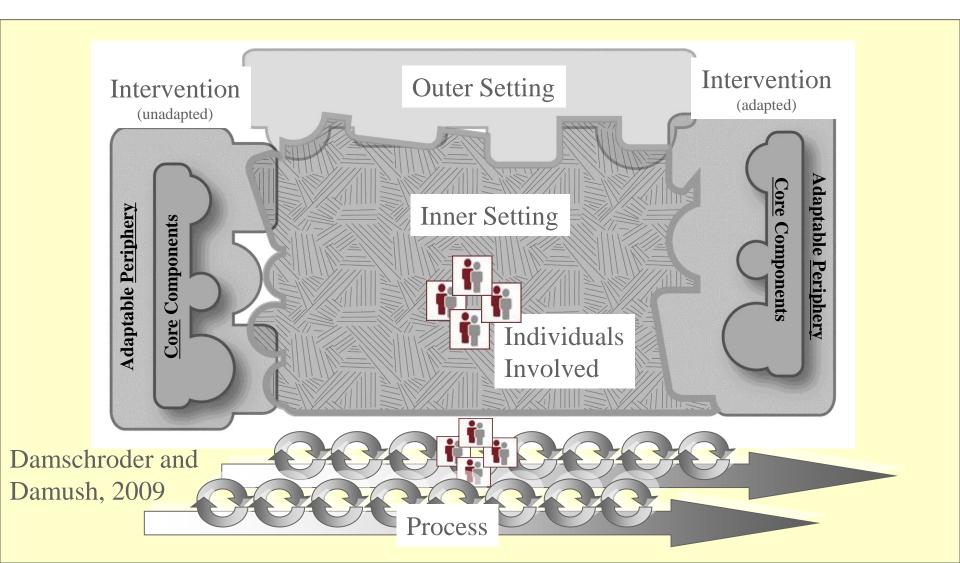
Tabak, Khoong, Chambers, Brownson, AJPM, 2012



Roger's Diffusion of Innovations



D& I Models: Damschroder's Consolidated Framework for Implementation Research (CFIR)





Current Funding Announcements

- NIH: PAR-16-237; 16-238;16-236 (R03, R01, R21)
- NCI leads (16 ICs total, including FIC, NIMH, NHLBI, NHGRI, as well as OBSSR)
- Organizes the D&I research agenda across NIH
- >150 grants funded through NIH since 2006
- 2010 CSR standing review committee

Selected Priority Areas for PARs

- Studies of the local adaptation of evidencebased practices in the context of implementation
- Longitudinal and follow-up studies on the factors that contribute to the sustainability of evidence-based interventions
- Scaling up health care interventions across health plans, systems, and networks
- De-Implementation of ineffective or suboptimal care

D&I Research Training...





Middle East and North Africa (MENA)
Implementation Science (IS) Training Course - Principles and Practice



Application Opens: 5 July 2016
Application Closes: 1 August 2016 11:59 PM EDT
Questions? Email PEER@nas.edu



Participants form Bangkok 2015 Training Course present the "abc's" of implementation science. (Photo courtesy of Robert Gasior)



Learn More

DATE & TIME

December 4-6, 2017

LOCATION

Marriott Crystal Gateway,

Quality research generates the evidence needed to optimize health and health care in the United States and elsewhere. However, the full potential of evidence can only be realized if it is effectively incorporated into health practice and policy.

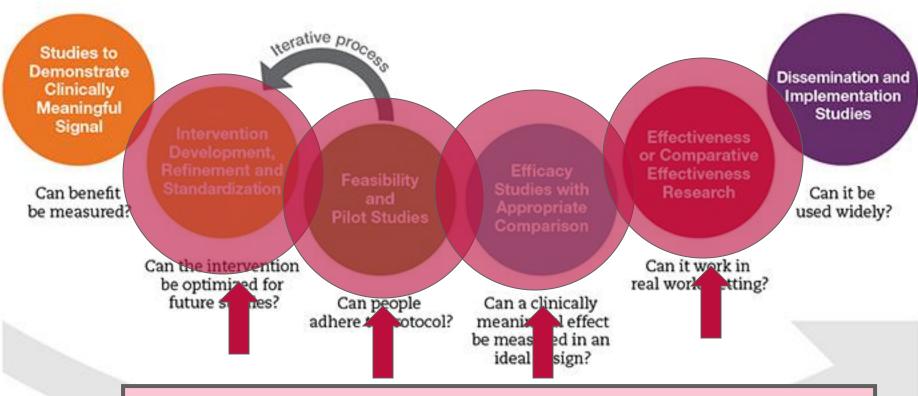
A decade since its inception, the Annual Conference on the Science of Dissemination and Implementation in Health (D&I), co-hosted by the National Institutes of Health (NIH) and AcademyHealth has become the pre-eminent event to bridge the gap between evidence, practice, and policy in health and

10th Annual Conference on the Science of Dissemination and Implementation in Health

2017 D&I Call for Abstracts

http://www.academyhealth.org/events/site/10th-annual-conference-science-dissemination-and-implementation-health

Considering D&I earlier

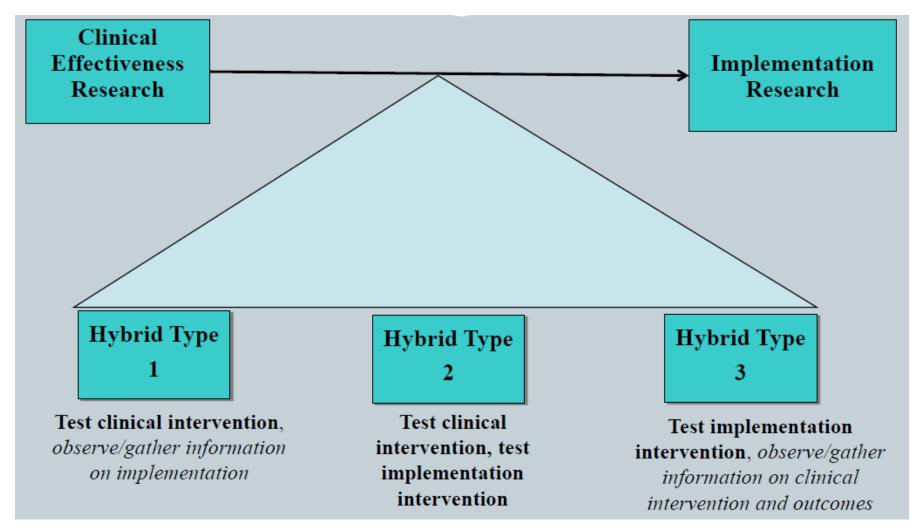


An earlier focus on...

- •Who's going to deliver it?
- https://necil •Fit with ultimate patient population
 - •Building in tests of training, support, adherence, mediators and moderators to high quality delivery
 - •Hybrid designs

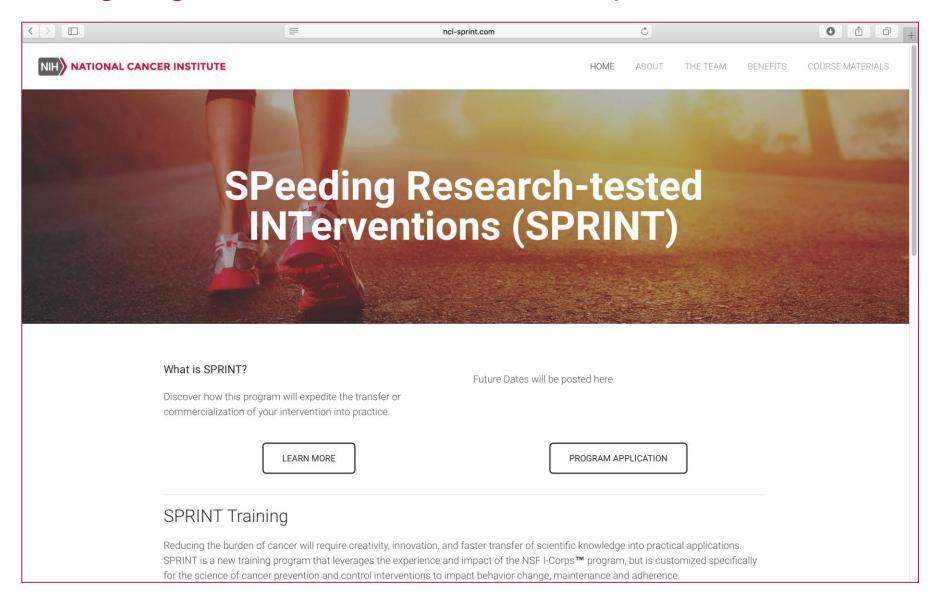


Hybrid Designs: 1, 2, 3



Curran et al. (2013). Effectiveness-implementation hybrid designs: Combining elements of clinical effectiveness and implementation research to enhance public health impact. *Med Care*.

"Designing for Dissemination and Implementation"



Selected D&I Research Projects related to Cancer Survivorship Care

- PCMH Implementation Strategies: Implications for Cancer Survivor Care (PI: Crabtree)
- Modeling to Improve Prostrate Cancer Outcomes Across Diverse Populations (PI: Etzioni)
- Utilizing Electronic Health Records to Measure and Improve Prostate Cancer Care (PI: Hernandez-Broussard)
- Care Coordination for Complex Cancer Survivors in an Integrated Safety-Net System (PI: Craddock Lee)
- Understanding Optimal Delivery Systems for Cancer Care (PI: Miller)

https://maps.cancer.gov/overview/DCCPSGrants/grantlist.jsp?method=dynamic&division=dccps&status=active&menu=division&codes=7647



Research-tested Intervention Programs (RTIPs)

Moving Science into Programs for People

■ RTIPs Home ■ RTIPs Archive ■ Frequently Asked Questions ■ Fact Sheet ■ Contact Us

Cancer Control P.L.A.N.E.T. Home &

Intervention Programs

Search Criteria Used: Survivorship/Supportive Care

Refine Your Search

Program Title & Description (17 programs alphabetically listed)	Program Focus	Population Focus
1. Alleviating Depression Among Patients With Cancer (ADAPt-C)	Psychosocial - Coping	Cancer Survivors
Designed to enhance the quality of life for cancer survivors. (2011)		
NCI (Grant number: R01CA105269)		
Criteria Matched: Survivorship/Supportive Care		
2. Breast Cancer Education Intervention (BCEI)	Psychosocial - Coping	Cancer Survivors
Designed to enhance the quality of life for breast cancer survivors. (2007)		
Criteria Matched: Survivorship/Supportive Care		
3. <u>Bright IDEAS: Problem-Solving Skills Training</u>	Psychosocial - Coping	Caregivers
Designed to help reduce the emotional distress in mothers of children recently diagnosed with cancer. (2005)		
NCI (Grant number: ca65520)		
Criteria Matched: Survivorship/Supportive Care		
4. <u>Coping with Chemotherapy</u>	Psychosocial - Coping	Cancer Survivors
Designed to enhance the quality of life of individuals prior to undergoing chemotherapy. (2002)		
NCI (Grant number: CA70875)		
Criteria Matched: Survivorship/Supportive Care		





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