NIH NATIONAL CANCER INSTITUTE

Implementation Science (IS)

cancercontrol.cancer.gov/IS

@NCI_ImplSci

About IS

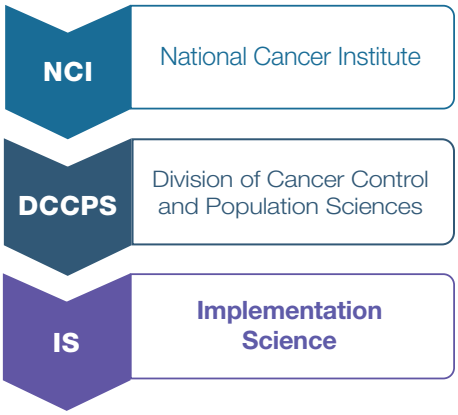
Mission

The mission of the IS team at the National Cancer Institute (NCI) is to develop and apply the implementation science knowledge base to improve the impact of cancer control and population science on the health and health care of the population, and foster rapid integration of research, practice, and policy.

The IS team seeks to:

- advance the science of implementation;
- integrate implementation science into research across the cancer control continuum to improve the relevance to health care systems and population and public health; and
- foster engagement among research, practice, and policy stakeholders to systematically improve uptake of evidence and evidence-based interventions.

Organizational Structure



Reference Text

Advancing the Science of Implementation across the Cancer Continuum
Chambers, DA, Vinson CA, Norton WE, eds. New York, NY: Oxford University Press; 2018.

Advancing the Science of Implementation across the Cancer Continuum provides an overview of research that can improve the delivery of evidence-based interventions, practices, and programs in cancer prevention and control. Chapters explore the field of implementation science and its application to practice, a broad synthesis of case studies illustrating cancer-focused topic areas, and emerging issues at the intersection of research and practice in cancer.

IS Tools for Practitioners

Evidence-Based Cancer Control Programs
ebccp.cancercontrol.cancer.gov

The Evidence-Based Cancer Control Programs (EBCCP) website is a searchable database of cancer control programs and related implementation materials. The site is designed to provide program planners and public health practitioners with easy and immediate access to evidence-based materials.

Implementation Science at a Glance
National Cancer Institute, US Department of Health and Human Services. Bethesda, MD: National Institutes of Health; 2019. NIH publication 19-CA-8055.

Through summaries of key theories, methods, and models, this 30-page workbook shows how the greater use of implementation science can support the effective adoption of evidence-based interventions. Case studies illustrate how practitioners are successfully applying implementation science in their cancer control programs.

Funding | cancercontrol.cancer.gov/is/funding.html

Dissemination and Implementation Research in Health

There are many funding opportunities that support the conduct of rigorous, cutting-edge dissemination and implementation research at NCI and across the National Institutes of Health (NIH). The most relevant funding opportunity is the trans-NIH program announcement with special receipt, referral, and/or review (PAR), *Dissemination and Implementation Research in Health*. NCI, along with many other participating Institutes and Centers across NIH, has issued this PAR for R01, R03, and R21 funding mechanisms (PAR-22-105, PAR-22-106, PAR-22-109, respectively).

Training & Events | cancercontrol.cancer.gov/is/training-events

Annual Conference on the Science of Dissemination and Implementation

Held in December, the conference is a forum for discussing the science of dissemination and implementation and aims to grow the research base by bridging the gap between evidence, practice, and policy in health and medicine.

Implementation Science Webinar Series

Free, hour-long monthly and archived webinar series focused on priority topics in dissemination and implementation research.

Training Institute for Dissemination and Implementation Research in Cancer (TIDIRC)

The TIDIRC Facilitated Course combines online coursework, six modules with related assignments, and a two-day in-person training. TIDIRC OpenAccess offers the free, online training materials used in the Facilitated Course to provide an overview of dissemination and implementation (D&I) research. Each module serves as an introduction to fundamental terms, concepts, and principles of D&I with examples of their application.

Initiatives | cancercontrol.cancer.gov/is/initiatives

Consortium for Cancer Implementation Science (CCIS)

The consortium seeks to bring the field together to address key challenges and identify and develop new areas of investigation toward advancing the implementation science agenda in cancer control.

Implementation Science Centers in Cancer Control (ISC^3)

These collaborative research centers, supported through the Cancer Moonshot^{SM}, are designed to improve cancer control through creation of "laboratories" that study implementation efforts in clinical and community settings, develop novel IS methods and measures, execute innovative pilot projects, enhance data resources, and disseminate results among the cancer research community. The goal of the network is to reduce the burden of cancer by enhancing the design and delivery of implementation strategies for evidence-based cancer control.

SPeeding Research-tested INTerventions (SPRINT)

The program provides real-world, hands-on training on how to successfully transform innovations in cancer control into market-ready products. The goal is to create research-tested behavioral interventions that are ready to be put into real-world practice.

Contact

David Chambers, D.Phil.
Deputy Director for Implementation Science
Email: dchamber@mail.nih.gov

April Oh, Ph.D., M.P.H.
Senior Advisor for Implementation Science and Health Equity
Email: april.oh@nih.gov

Cynthia Vinson, Ph.D., M.P.A.
Senior Advisor for Implementation Science
Email: cvinson@mail.nih.gov

Updated May 2022