NIH NATIONAL CANCER INSTITUTE

Implementation Science (IS)

cancercontrol.cancer.gov/IS

@NCI_ImplSci

About IS

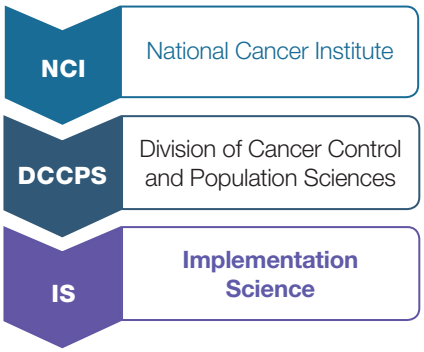
Mission

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 healthcare systems and population and public health; and
- foster engagement among research, practice, and policy stakeholders to systematically improve update of evidence and evidence-based interventions.

Organizational Structure



Tools & Resources

Tools are critical for advancing the science and improving the practice of implementation. The IS website provides information about available tools and resources to help advance implementation science, including research tools, practice tools, and research-practice partnerships, a few of which are highlighted below.

Advancing the Science of Implementation across the Cancer Continuum

Oxford University Press, 2018. Chambers DA, Vinson CA, & Norton WE (Editors)

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.

Implementation Science at a Glance

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

Designed specifically for cancer control researchers and practitioners, this 30-page workbook provides a succinct overview of the rapidly evolving field. Through summaries of key theories, methods, and models, the guide shows how 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.

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

cancercontrolplanet.cancer.gov

The Cancer Control P.L.A.N.E.T. (Plant, Link, Act, Network with Evidence-based Tools) portal provides access to data and resources that can help planners, program staff, and researchers design, implement, and evaluate evidence-based cancer control programs.

Research-Tested Intervention Programs

rtips.cancer.gov/rtips

Research-tested Intervention Programs (RTIPs) is a searchable database of cancer control interventions and program materials designed to efficiently provide program planners and practitioners with access to research-tested materials and implementation guidance.

Training & Education

In collaboration with other academic institutions, professional organizations, and funding agencies, the IS team coordinates and supports several training and educational activities, including a monthly webinar series, training programs, and an annual conference.

Implementation Science Webinar Series

The Implementation Science Webinar Series is a free, hour-long monthly webinar series focused on advanced topics in dissemination and implementation research. To date, we have hosted over 48 webinars, most of which are archived. The webinars cover various topics, including relevant theories, frameworks, models, implementation strategies, measurement, and study designs, among others.

Annual Conference on the Science of Dissemination and Implementation

Held annually in December, the Annual Conference on the Science of Dissemination and Implementation 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.

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

TIDIRC was developed to provide participants with a thorough grounding in conducting D&I research with a specific focus on cancer, across the cancer control continuum. The Institute is offered as a hybrid online and an in-person, four-month course including six modules with related assignments, coupled with a two-day in-person meeting.

SPeeding Research-tested INTerventions (SPRINT)

SPRINT is a training program designed to foster, grow and nurture an innovation ecosystem for interventionists. Sponsored by the National Cancer Institute and run by instructors with extensive startup and teaching experience, 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.

Funding

Dissemination and Implementation Research Funding Opportunities

cancercontrol.cancer.gov/is/funding.html

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 a number of participating Institutes and Centers across NIH, has issued this PAR for R01, R03, and R21 funding mechanisms (PAR-19-274, PAR-19-275, and PAR-19-276, respectively).

For More Information

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