Annotated Bibliography

An Introduction to Implementation Science for Environmental Health
International Society of Exposure Science Pre-Conference Workshop - August 30th, 2021

Note: Please email Lindsey.Martin@nih.gov for additional resources as this is not a comprehensive list. These are helpful recommendations; recommendations do not equal an endorsement.

Implementation Science: Introductory Sources (these are helpful orientation videos and articles that introduce the field)

- Orientation to the Science of Dissemination and Implementation (this video is an excellent place to start)
- Training Institute for Dissemination and Implementation Research in Cancer (TIDIRC) OpenAccess (content is not entirely specific to cancer)

Implementation Strategies (the Powell et al. article used the Delphi Method to identify 73 implementation strategies; there is a nice table listing and describing these strategies)


Implementation Outcomes (key article in the field that clearly defines how implementation outcomes differ from effectiveness outcomes)


Writing Implementation (vs. Effectiveness) Grants (key article that describes the core elements researchers should consider when writing implementation focused grants)

Theory, Frameworks, Models (this article provides a nice overview of process models, determinant frameworks, classic theories, implementation theories and evaluation frameworks-the presentation touched on only three of these)

- RE-AIM, CFIR, EPIS websites are very user-friendly overviews of some widely used frameworks

Demonstrating the Value of Implementation Science:

- Making a scientific miracle count in the real world (Duke Alumni Magazine, Summer 2021 Issue) by Scott Huler

Implementation Science & Environmental Health:

- PODCAST: Using Implementation Science to Move Environmental Health Discoveries into the Real-world
- NIEHS Implementation Science website
- Haque SS, Freeman MC. The Applications of Implementation Science in Water, Sanitation, and Hygiene (WASH) Research and Practice. Environmental Health Perspectives 129:6. CID: 065002 [https://doi.org/10.1289/EHP7762](https://doi.org/10.1289/EHP7762)

Implementation Science and Health Equity:

- Opportunities to Advance Health Equity through Implementation Science by April Oh (NCI Implementation Science Team Blog, January 2021)
- Five Recommendations for How Implementation Science Can Better Advance Equity by Kim DuMont, Allison Metz and Beadsie Woo (Academy Health Blog, April 2019)
- Bringing Equity to Implementation (Stanford Social Innovation Review)

Other Key Resources:

- Blachman-Demner DR, Wiley TRA, Chambers DA. Fostering integrated approaches to dissemination and implementation and community engaged research. Transl Behav Med. 2017;7(3):543-546. doi:10.1007/s13142-017-0527-8 (see also the other articles in this special issue)
- NCI Implementation Science Team website is a great resource to learn about webinars, the annual Dissemination & Implementation Science (D&I) conference and additional resources/tools in the field. Be sure to sign-up for the monthly newsletter

NIH-Wide Dissemination & Implementation Science Funding Opportunity Announcements

- Dissemination and Implementation Research in Health (R01 Clinical Trial Optional)
- Dissemination and Implementation Research in Health (R21 Clinical Trial Optional)
- Dissemination and Implementation Research in Health (R03 Clinical Trial Not Allowed)