

Implementation Science and Health Equity Resources*

**This list is not exhaustive. External links are solely for informational purposes and are not endorsements.*

NIH Resources

- Office of Disease Prevention's (ODP) [Dissemination and Implementation \(D&I\) Research](#)
- National Cancer Institute's (NCI) [Implementation Science](#)
- [ISC3 Health Equity Toolkit](#): designed to help IS investigators get started with health equity-focused IS research
- [Advancing Healthy Equity through Implementation Science: Bibliograph and Resources](#): a resource document for those working to advance health equity through implementation science
- [Onken](#) (2022). Implementation Science at the National Institute on Aging: The Principles of It (Public Policy and Aging Report).
- NIH Stage Model for Behavioral Intervention Development: <https://www.nia.nih.gov/research/dbsr/nih-stage-model-behavioral-intervention-development>
- ODP D&I: <https://preven>
- NIAID-funded HIV Implementation Science Coordination Initiative: <https://hivimpsi.northwestern.edu/>
- Office of AIDS Research: Journal of Acquired Immune Deficiency Syndromes (JAIDS) Special Issue: Harnessing Implementation Science to Inform Strategies for Ending the HIV Epidemic in the United States: <https://journals.lww.com/jaids/toc/2022/06001>

Additional Resources

- [Readings/Resources/Curricula on Anti-Racism & Health Equity \(PDF, 302 KB\)](#): developed by the Columbia Clinical and Translational Science Award (CTSA) Implementation Science Initiative
- [Places Cancer Screening Rates and SDOH](#): R Shiny dashboard is to investigate geographic variation of cancer screening rates and its association with social disparity in the US
- [Catch the Power](#): Dr. Cory Bradley's podcast series aims to provide a more immersive engagement among scholar and activist communities in the movement for health justice through offering exploratory public discourse about contemporary efforts in the literature and facilitating dialogue that builds the capacity of public health, academic research, practice/service delivery, and activist communities to enhance the design and implementation of strategies and interventions that close racialized health disparity gaps

Webinars

- [Implementation Science: Context & Equity in Cancer Research](#)
- [Framing Priorities for Advancing Health Equity Through Implementation Science](#)
- [Opportunities for Examination of Structural Racism and other Social Determinants of Health to Advance Health Equity through Implementation Science](#)
- [Joining Forces: Engagement Science and Implementation Science to Advance Health Equity](#)
- [Health Equity Research Outreach \(HERO\) Lecture Series – Advancing Health Equity Through Community-Engaged Research](#)

Select Articles

- [Grounding Implementation Science in Health Equity for Cancer Prevention and Control](#)
- [Advancing health equity through CTSA programs: Opportunities for interaction between health equity, dissemination and implementation, and translational science](#)
- [Recommendations for Addressing Structural Racism in Implementation Science: A Call to the Field](#)

Introduction to Implementation Science

- Bauer MS, Damschroder L, Hagedorn H, Smith J, Kilbourne AM. An introduction to implementation science for the non-specialist. *BMC Psychol.* 2015 Sep 16;3:32. <https://pubmed.ncbi.nlm.nih.gov/26376626/>
- Curran GM. Implementation science made too simple: A teaching tool. <https://pubmed.ncbi.nlm.nih.gov/32885186/>
- Koh et al., 2020: Orientation for new researchers to IS: <https://academic.oup.com/tbm/article/10/1/179/5184639?login=true>
- Lane-Fall et al., 2019: Subway line of translational research: <https://bmcmmedresmethodol.biomedcentral.com/articles/10.1186/s12874-019-0783-z>
- Beidas, R. S., Dorsey, S., Lewis, C. C., Lyon, A. R., Powell, B. J., Purtle, J., Saldana, L., Shelton, R. C., Stirman, S. W., & Lane-Fall, M. B. (2022). Promises and pitfalls in implementation science from the perspective of US-based researchers: Learning from a pre-mortem. *Implementation Science*, 17(1), 55. <https://implementationscience.biomedcentral.com/articles/10.1186/s13012-022-01226-3>

General IS Theories, Frameworks, and Models (and associated websites, where applicable)

- Glasgow RE, Harden SM, Gaglio B, Rabin B, Smith ML, Porter G, Ory MG, Estabrooks PA. RE-AIM planning and evaluation framework: adapting to new science and practice with a 20- year review. *Front Public Health.* 2019;7:64. <https://www.frontiersin.org/articles/10.3389/fpubh.2019.00064/full>
 - RE-AIM website: <https://re-aim.org/>
- PRISM
 - iPRISM Webtool: <https://prismtool.org/>
- Nilsen, P. (2015). Making sense of implementation theories, models, and frameworks. *Implementation Science*, 10(53). doi:[10.1186/s13012-015-0242-0](https://doi.org/10.1186/s13012-015-0242-0)
- Tabak RG, Khoong EC, Chambers DA, Brownson RC. Bridging research and practice: models for dissemination and implementation research. *Am J Prev Med.* 2012;43(3):337-350. doi:10.1016/j.amepre.2012.05.024 <https://pubmed.ncbi.nlm.nih.gov/22898128/>
- Aarons et al., 2011, Exploratory, Preparation, Implementation, Sustainment (EPIS). <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3025110/>
- EPIS website: <https://episframework.com>
- Damschroder et al. 2022, Updated CFIR: <https://implementationscience.biomedcentral.com/articles/10.1186/s13012-022-01245-0>
- Consolidated Framework for Implementation Research website: <https://cfirguide.org/>
- Smith et al., 2020: Implementation Research Logic Model: <https://implementationscience.biomedcentral.com/articles/10.1186/s13012-020-01041-8>

- Implementation Research Logic Model website:
<https://hivimpsci.northwestern.edu/implementation-research-logic-model/>
- Striffler et al., 2018: Scoping review of knowledge translation theories, models frameworks:
<https://www.sciencedirect.com/science/article/pii/S0895435617314178?via%3Dihub>
- Atkinds L, Francis J, Islam R, O'Connor D, Patey A, Ivers N, Foy R, Duncan EM, Colquhoun J, Grimshaw JM, Lawton R, Michie S. A guide to using the Theoretical Domains Framework of behavior change to investigate implementation problems. *Implement Sci.* 2017;12:77.
<https://implementationscience.biomedcentral.com/articles/10.1186/s13012-017-0605-9>
- Moullin et al. (2020). Ten recommendations for using implementation frameworks in research and practice. *ISC.*
<https://implementationsciencecomms.biomedcentral.com/articles/10.1186/s43058-020-00023-7>

Study Designs and Research Methods

- Brown, H., Curran, G., Palinkas, L.A., Aarons, G.A. (2017). An Overview of Research and Evaluation Designs for Dissemination and Implementation. *Annual Review of Public Health* 38;1-22. <https://pubmed.ncbi.nlm.nih.gov/28384085/>
- Curran et al. Reflections on 10 years of effectiveness-implementation hybrid studies. (2022). *Frontiers in Health Services.* <https://pubmed.ncbi.nlm.nih.gov/36925811/>
- Handley, Lyles, McCulloch, Cattamanchi 2018. Selecting and Improving Quasi-experimental designs in effectiveness and implementation research. *Annual Reviews of Public Health.* 39;5-25.
<https://pubmed.ncbi.nlm.nih.gov/29328873/>
- Hamilton AB, Finley EP. Qualitative methods in implementation research: An introduction. *Psychiatry research.* 2019 Oct 1;280:112516. <https://pubmed.ncbi.nlm.nih.gov/31437661/>
- Qualitative Methods in Implementation Science: <https://cancercontrol.cancer.gov/IS/docs/NCI-DCCPS-ImplementationScience-WhitePaper.pdf>
- Palinkas LA, Mendon SJ, Hamilton AB. Innovations in mixed methods evaluations. *Annu Rev Public Health.* 2019 Apr 1;40:423-442. <https://pubmed.ncbi.nlm.nih.gov/30633710/>
- Pearson et al. (2020). Guidance for conducting feasibility and pilot studies for implementation trials. *Pilot and Feasibility Studies,* 6(167), 1-12.
<https://pilotfeasibilitystudies.biomedcentral.com/articles/10.1186/s40814-020-00634-w>

Implementation Measures

- Collection of papers of systematic reviews of measures:
<https://journals.sagepub.com/topic/collections-irp/irp-1-systematic-reviews-of-methods-to-measure-implementation-constructs/irp>
- <https://journals.sagepub.com/doi/citedby/10.1177/26334895211018862>
- Weiner et al. (2017). Psychometric properties of three newly developed implementation outcome measures. *IS.*
<https://implementationscience.biomedcentral.com/articles/10.1186/s13012-017-0635-3>
- Allen, P., Pilar, M., Walsh-Bailey, C. *et al.* Quantitative measures of health policy implementation determinants and outcomes: a systematic review. *Implementation Sci* 15, 47 (2020).
<https://doi.org/10.1186/s13012-020-01007-w>

Implementation Outcomes

- Proctor E, Silmere H, Raghavan R, Hovmand P, Aarons G, Bunger A, Griffey R, Hensley M. Outcomes for implementation research: conceptual distinctions, measurement challenges, and research agenda. *Adm Policy Ment Health*. 2011 Mar;38(2):65-76. <https://pubmed.ncbi.nlm.nih.gov/20957426/>
- Lewis et al. (2015). Outcomes for implementation science: an enhanced systematic review of instruments using evidence-based rating criteria. *IS*. <https://implementationscience.biomedcentral.com/articles/10.1186/s13012-015-0342-x>
- Lengnick-Hall et al. (2022). Six practical recommendations for improved implementation outcomes reporting. *IS*. <https://implementationscience.biomedcentral.com/articles/10.1186/s13012-021-01183-3>
- Mettert et al. Measuring implementation outcomes: An updated systematic review of measures' psychometric properties. (2020). *IRAP*. <https://pubmed.ncbi.nlm.nih.gov/37089128/>

Implementation Strategies

- Kirchner, J. E., Smith, J. L., Powell, B. J., Waltz, T. J., & Proctor, E. K. (2019). Getting a Clinical Innovation into Practice: An Introduction to Implementation Strategies. *Psychiatry Research*. doi: 10.1016/j.psychres.2019.06.042 <https://pubmed.ncbi.nlm.nih.gov/31488332/>
- Powell, B. J., Waltz, T. J., Chinman, M. J., Damschroder, L. J., Smith, J. L., Matthieu, M. M., et al. (2015). A refined compilation of implementation strategies: results from the Expert Recommendations for Implementing Change (ERIC) project. *Implementation Sci*. 10(1):21. <https://pubmed.ncbi.nlm.nih.gov/25889199/>
- Powell BJ, Fernandez ME, Williams NJ, Aarons GA, Beidas RS, Lewis CC, McHugh SM, Weiner BJ. Enhancing the Impact of Implementation Strategies in Healthcare: A Research Agenda. *Front Public Health*. 2019 Jan 22;7:3. <https://pubmed.ncbi.nlm.nih.gov/30723713/>
- Lewis et al., 2018: Mechanisms of change in IS: <https://www.frontiersin.org/articles/10.3389/fpubh.2018.00136/full>
- Proctor EK, Powell BJ, McMillen JC. Implementation strategies: recommendations for specifying and reporting. *Implement Sci*. 2013;8:139. <https://implementationscience.biomedcentral.com/articles/10.1186/1748-5908-8-139>
- Fernandez ME, ten Hoor GA, van Lieshout S, Rodriguez SA, Beidas RS, Parcel G, Ruiter RA, Markam CM, Kok G. Implementation mapping: using intervention mapping to develop implementation strategies. *Front Public Health*. 2019;7:158.
- <https://thecenterforimplementation.com/strategie-tool>

Adaptation

- Wiltsey Stirman et al., 2019: FRAME: <https://implementationscience.biomedcentral.com/articles/10.1186/s13012-019-0898-y>
- Miller et al., 2021: FRAME IS: <https://implementationscience.biomedcentral.com/articles/10.1186/s13012-021-01105-3>
- Chambers, DA & Norton, WE. (2016). The Adaptome: Advancing the science of intervention adaptation. *Am J Prev Med*, 51(4 Suppl 2), S124-131. doi: 10.1016/j.amepre.2016.05.011 <https://pubmed.ncbi.nlm.nih.gov/27371105/>

- Miller CJ, Wiltsey-Stirman S, Baumann AA. Iterative decision-making for evaluation of adaptations (IDEA): a decision tree for balancing adaptation, fidelity, and intervention impact. *J Community Psychol*. 2020 May;48(4):1163-1177. <https://pubmed.ncbi.nlm.nih.gov/31970812/>
- Perez Jolles et al. (2019). Core functions and forms of complex interventions: A patient-centered medical home illustration. *JGIM*. <https://pubmed.ncbi.nlm.nih.gov/30623387/>
- Kirk, M. Alexis, Julia E. Moore, Shannon Wiltsey Stirman, and Sarah A. Birken. "Towards a comprehensive model for understanding adaptations' impact: The Model for Adaptation Design and Impact (MADI)". *Implementation Science*. <https://implementationscience.biomedcentral.com/articles/10.1186/s13012-020-01021-y>

Health Equity

- Woodward et al., 2019: Health equity implementation framework: <https://implementationscience.biomedcentral.com/articles/10.1186/s13012-019-0861-y>
- Shelton et al., 2021: Addressing structural racism in IS: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8143847/>
- Brownson RC, Kumanyika SK, Kreuter MW, Haire-Joshu D. Implementation Science should give higher priority to health equity. *Implement Sci*. 2021 Mar 21;16:28. <https://implementationscience.biomedcentral.com/articles/10.1186/s13012-021-01097-0>
- Baumann AA, Cabassa LJ. Reframing implementation science to address inequities in healthcare delivery. *BMC Health Serv. Res*. 2020 Mar 12;20(1):190. <https://bmchealthservres.biomedcentral.com/articles/10.1186/s12913-020-4975-3>
- Collection of articles as part of 'Research Topics: Implementation Science to Address Health Disparities and Improve the Equitable Implementation of Proven Interventions' in *Frontiers in Public Health*: <https://www.frontiersin.org/research-topics/40072/implementation-science-to-address-health-disparities-and-improve-the-equitable-implementation-of-proven-interventions>
- Bringing a Health Equity Lens to Implementation Science Frameworks: <https://publichealth.wustl.edu/bringing-a-health-equity-lens-to-implementation-science-frameworks/>
- [Health Equity Advancement Resources: Learn Methods to Integrate Health Equity into Design of Health-related Interventions – ICTR – UW–Madison \(wisc.edu\)](https://www.wisc.edu/health-equity-advancement-resources)

Sustainability

- Chambers, D.A., Glasgow, R. E., & Stange, K. C. (2013). The dynamic sustainability framework: Addressing the paradox of sustainment amid ongoing change. *Implementation Science*, 8, 117. <https://pubmed.ncbi.nlm.nih.gov/24088228/>
- Shelton RC, Cooper BR, Stirman SW. The sustainability of evidence-based interventions and practices in public health and health care. *Annu Rev Public Health*. 2018 Jan 12. <https://pubmed.ncbi.nlm.nih.gov/29328872/>

De-Implementation

- Walsh-Bailey et al., 2021: Scoping review of de-implementation frameworks and models: <https://implementationscience.biomedcentral.com/articles/10.1186/s13012-021-01173-5>

- Norton WE & Chambers DA (2020). Unpacking the complexities of de-implementing inappropriate health interventions. *Implementation Science*.
<https://implementationscience.biomedcentral.com/articles/10.1186/s13012-019-0960-9>
- Helfrich et al., 2018: Unlearning and substitution:
<https://onlinelibrary.wiley.com/doi/full/10.1111/jep.12855>
- McKay et al., 2018: De-implementation in public health and social service settings:
<https://onlinelibrary.wiley.com/doi/full/10.1002/ajcp.12258>
- Grimshaw, J. M., Patey, A. M., Kirkham, K. R., Hall, A., Dowling, S. K., Rodondi, N., ... & Linklater, S. (2020). De-implementing wisely: developing the evidence base to reduce low-value care. *BMJ Quality & Safety*. <https://qualitysafety.bmj.com/content/29/5/409>

Global Health

- HIGH IRI reading list: <https://wustl.app.box.com/s/hf8zq5vslovvtip5agaduikmd6cdhyl4>

Journals

- Implementation Science: <https://implementationscience.biomedcentral.com/>
- Implementation Research and Practice: <https://journals.sagepub.com/home/irp>
- Implementation Science Communications:
<https://implementationsciencecomms.biomedcentral.com/>
- Global Implementation Research and Applications: <https://www.springer.com/journal/43477>

NIH-supported Training Programs, Fellowships

- Implementation Research Institute (IRI), Washington University in St. Louis: <http://iristl.org/>
- Institute for Implementation Science Scholars. Washington University in St. Louis.
<https://is2.wustl.edu/apply/>
- Training Institute in Dissemination and Implementation Research in Cancer (TIDIRC), NIH NCI (Open Access): <https://cancercontrol.cancer.gov/IS/training-education/tidirc/index.html>
- HIV, Infectious Diseases, and Global Health Implementation Research Institute (HIGH IRI):
<https://sites.wustl.edu/highiri/>.
- HIV Implementation Science Fellowship (Johns Hopkins University):
<https://hopkinscfar.org/science-cores/hiv-implementation-science-fellowship>

Funding Opportunities

- NIH Dissemination and Implementation Research in Health, R01 – *NIDDK signed on*:
<https://grants.nih.gov/grants/guide/pa-files/PAR-22-105.html>
- NIH Dissemination and Implementation Research in Health, R21:
<https://grants.nih.gov/grants/guide/pa-files/PAR-22-109.html>
- NIH Dissemination and Implementation Research in Health, R03:
<https://grants.nih.gov/grants/guide/pa-files/PAR-22-106.html>