What gets measured gets done: Assessing health equity determinants in implementation research

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Acknowledgements & Disclaimer

- VA Office of Health Equity
- Dr. Woodward is a fellow with the Implementation Research Institute (IRI), at the George Warren Brown School of Social Work, Washington University in St. Louis; through an award from the National Institute of Mental Health (5R25MH08091607)
- VA Career Development Award, Health Services Research & Development (IK2 HX003065)

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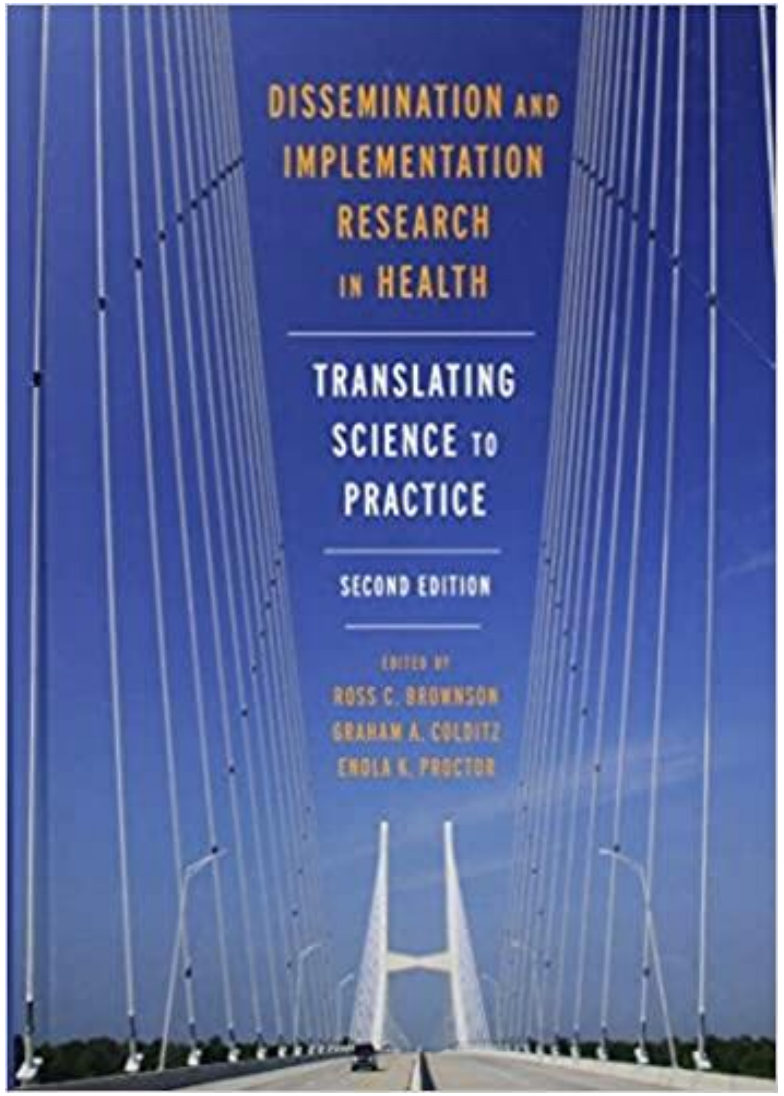
Equality
Equity



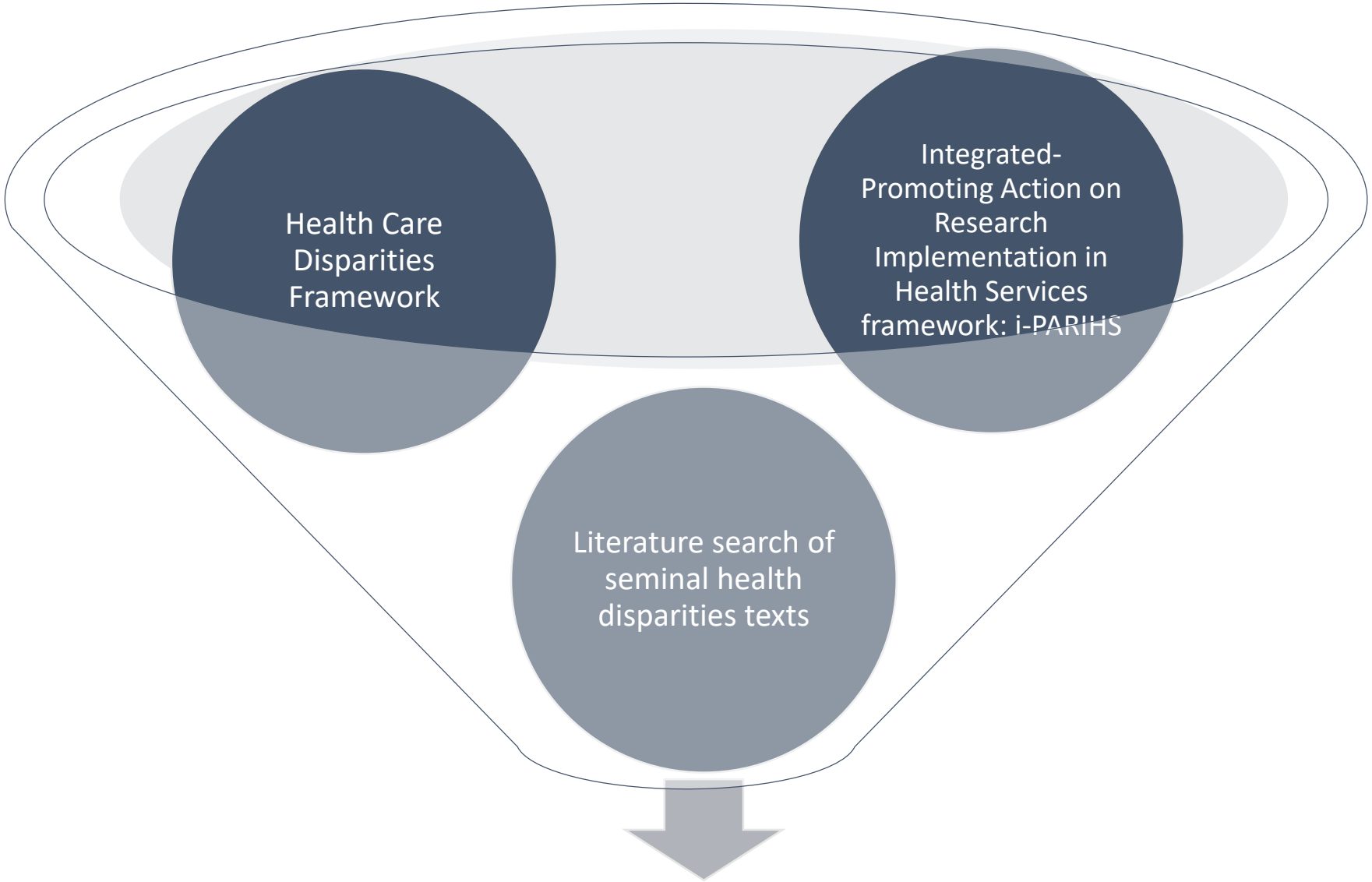
"implementation [frameworks] might be modified for application among specific racial/ethnic minorities and other vulnerable populations"

Yancey A, Glenn BA, Ford CL, Bell-Lewis L. 2018. Dissemination and implementation research among racial/ethnic minority and other vulnerable populations. (Chapter 27)

3 Types of Implementation Science Frameworks

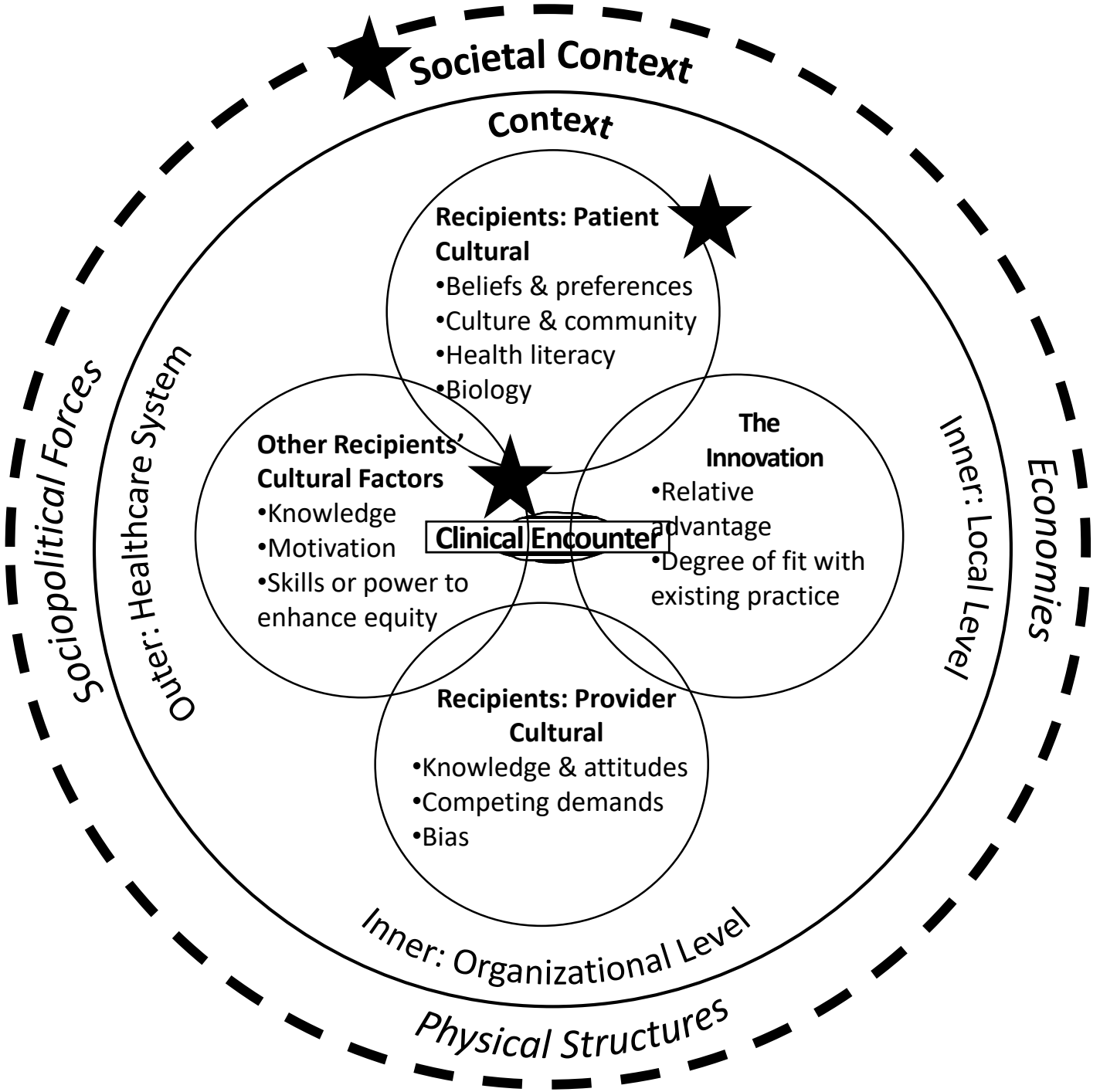
1. Determinant - What are barriers and why?
2. Process – Planning: How is this thing going to get implemented?
3. Evaluation - Did implementation succeed or fail?

Nilsen, 2015



Health Equity Implementation Framework

Kilbourne et al., 2006; Harvey & Kitson, 2015



+ Facilitation (other implementation strategies)

→ **Implementation success**

→ **Improvements in health equity**

Determinant	Sample Measures and Methods
1. Societal Context 1. Economies 2. Physical structures 3. Sociopolitical forces 4. Social determinants of health	• Insurance claims data • Observation of physical structures • Document review of organizational policies • State-Level Racism Index • Social determinants: PhenX Toolkit

Woodward et al. (under review) More Practical Guide to Assessing Health Equity in Implementation Determinant Frameworks.

Determinant	Sample Measures and Methods
2. Cultural Factors of Recipients • Demographic match patient-provider • Provider bias • Patient mistrust • Patient health literacy • Many more	• Chart reviews to calculate demographic match patient-provider • Implicit Association Test • Medical Mistrust Index • Health literacy scale: PhenX Toolkit • Individual interviews

Woodward et al. (under review) More Practical Guide to Assessing Health Equity in Implementation Determinant Frameworks.

Determinant	Sample Measures and Methods
3. Clinical Encounter	• Audio record encounters - Roter Interaction Analysis System • Observe sample of encounters • Interviews of patient and provider perceptions • Chart review of documentation

Woodward et al. (under review) More Practical Guide to Assessing Health Equity in Implementation Determinant Frameworks.

Applying the Health Equity Implementation Framework

ELSEVIER

Health & Place
Volume 61, January 2020, 102245

"That's a double-edged sword": Exploring the integration of supervised consumption services within community health centres in Toronto, Canada

Geoff Bardwell [a, b], Carol Strike [c], Sanjana Mitra [a, d], Ayden Scheim [e, f], Lorraine Barnaby [g], Jason Altenberg [h], Thomas Kerr [a, b]

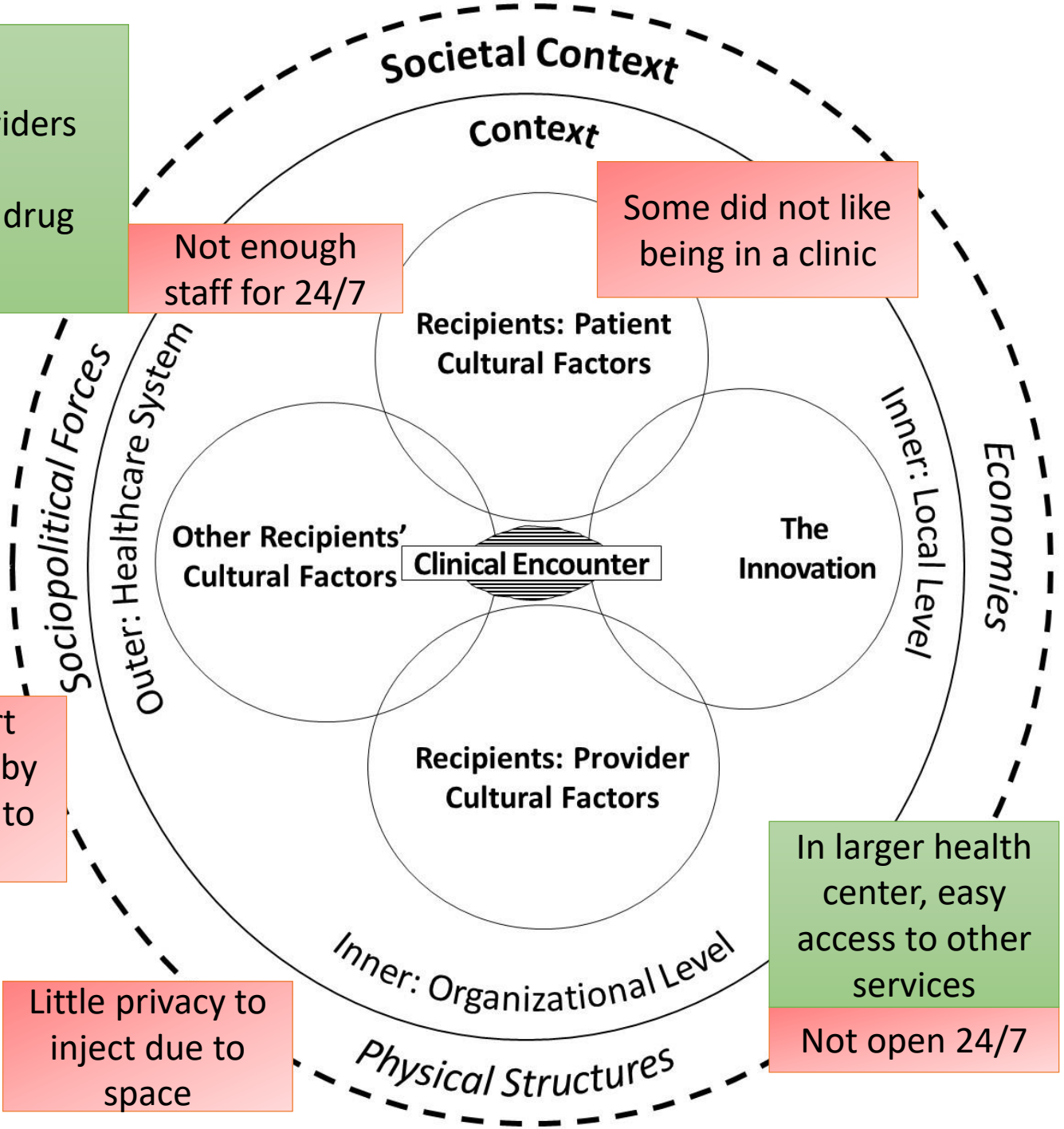
- Supervised services for people who inject drugs
- >50% Indigenous Canadians or people of color
- Ongoing implementation

Bardwell et al., 2019

- Legal
- Knew providers would not stigmatize drug use

Not enough staff for 24/7

Some did not like being in a clinic



Discomfort being seen by others due to stigma

In larger health center, easy access to other services

Not open 24/7

Little privacy to inject due to space

Bardwell et al., 2019

Implementation Science Postdoctoral Fellowship Little Rock, Arkansas

- 75% research / 25% clinical
- Implementation science or health service research, telehealth, suicide prevention, PTSD, substance and opioid use
- South Central MIRECC Advanced Fellowship Program in VA: https://www.mirecc.va.gov/visn16/little-rock-fellowship.asp
- Contact Kristin Ward Kristin.ward2@va.gov or Michael Cucciare, PhD at macucciare@uams.edu

Thank you for listening!

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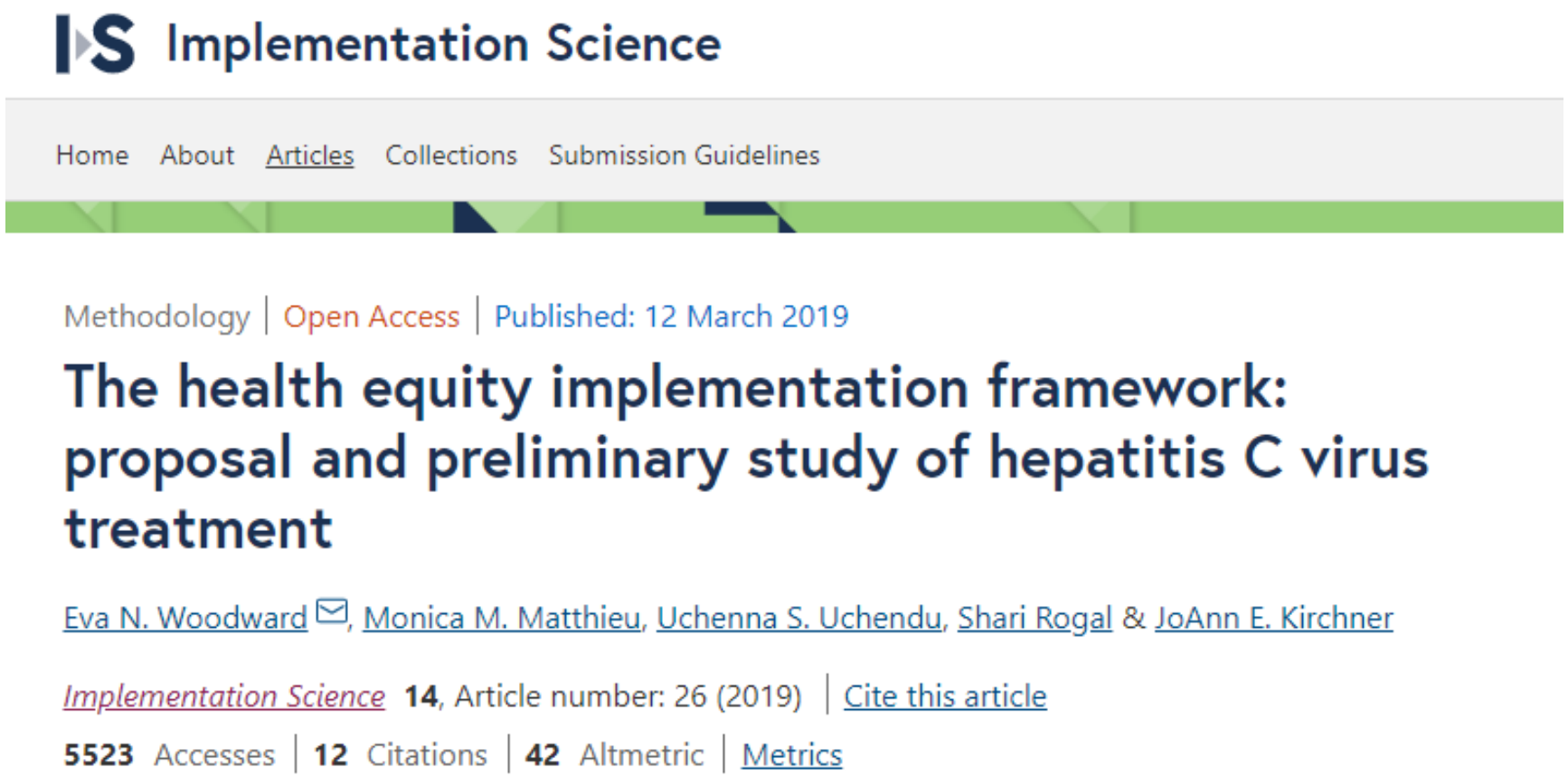
Other implementation science frameworks that incorporate a health equity lens

Determinant: How do we assess for barriers to equity and to implementation?



Implementation Science

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Methodology | Open Access | Published: 12 March 2019

The health equity implementation framework: proposal and preliminary study of hepatitis C virus treatment

Eva N. Woodward, Monica M. Matthieu, Uchenna S. Uchendu, Shari Rogal & JoAnn E. Kirchner

Implementation Science **14**, Article number: 26 (2019) | Cite this article

5523 Accesses | **12** Citations | **42** Altmetric | Metrics

Process/Planning: How do we attend to equity issues better in implementation?

BMC Health Services Research

BMC Health Serv Res. 2018; 18: 710.
Published online 2018 Sep 12. doi: 10.1186/s12913-018-3521-z

PMCID: PMC6134771
PMID: 30208873

Transcreation: an implementation science framework for community-engaged behavioral interventions to reduce health disparities

Anna María Nápoles[1] and Anita L. Stewart[2]

Evaluation: Did it work? How did implementation affect equity outcomes?

PERSPECTIVE ARTICLE

Front. Public Health, 12 May 2020 | https://doi.org/10.3389/fpubh.2020.00134

An Extension of RE-AIM to Enhance Sustainability: Addressing Dynamic Context and Promoting Health Equity Over Time

Rachel C. Shelton[1*], David A. Chambers[2] and Russell E. Glasgow[3,4]

International Journal for Equity in Health

RESEARCH **Open Access**

Conceptual framework of equity-focused implementation research for health programs (EquIR)

J. Eslava-Schmalbach[1,2], N. Garzón-Orjuela[1,2*], V. Elias[3], L. Reveiz[3], N. Tran[4] and E. V. Langlois[5]

See Table 3!

How to use frameworks in implementation projects

Implementation Science Communications

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Debate | Open Access | Published: 30 April 2020

Ten recommendations for using implementation frameworks in research and practice

Joanna C. Moullin, Kelsey S. Dickson, Nicole A. Stadnick, Bianca Albers, Per Nilsen, Sarabeth Broder-Fingert, Barbara Mukasa & Gregory A. Aarons

Implementation Science Communications **1**, Article number: 42 (2020) | Cite this article

4668 Accesses | **1** Citations | **76** Altmetric | Metrics

Webtool to pick a framework: https://dissemination-implementation.org/