



# Culture as a Forethought: A conversation about the role of culture in intervention development

## Washington State Prevention Summit

November 6, 2019

# Workshop Objectives



This workshop will present a conceptual framework focused on the seamless incorporation of culture and diversity throughout the various stages of the developmental process.



Informed by a community-engaged research approach, this framework guides the integration of cultural and diversity considerations with emphasis on the importance and value of citizen scientists being research partners to ensure cultural relevance.



This workshop is intended to generate audience participation and feedback to inform the further development of the proposed framework which emphasizes the importance of culture and cultural practices.

# What is the role of culture, diversity, and community engagement...

# TBM

## ORIGINAL RESEARCH

## What is the role of culture, diversity, and community engagement in transdisciplinary translational science?

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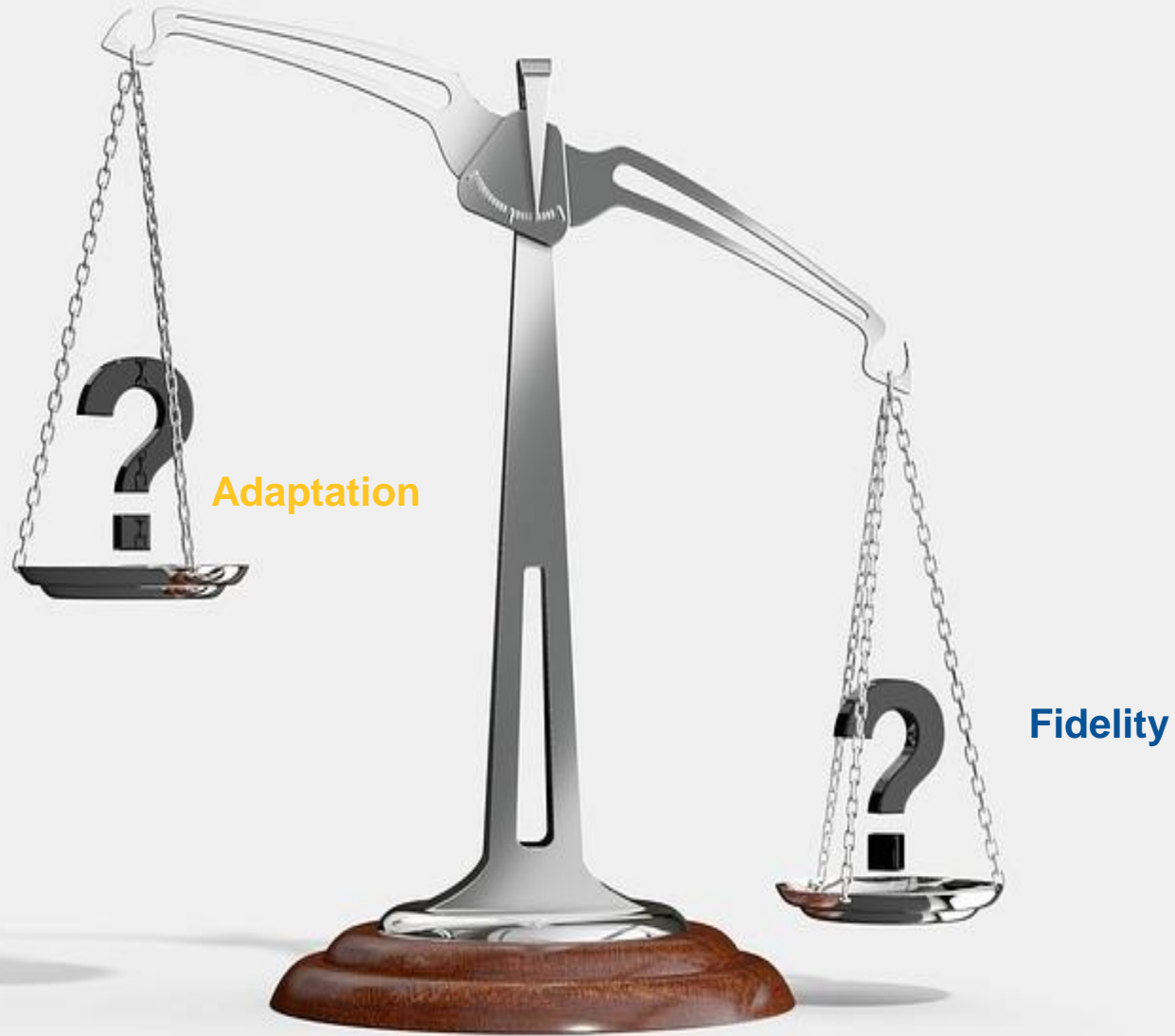
### Abstract

Concepts of culture and diversity are necessary considerations in the scientific application of theory generation and developmental processes of preventive interventions; yet, culture and/or diversity are often overlooked until later stages (e.g., adaptation [T3] and dissemination [T4]) of the translational science process. Here, we present a conceptual framework focused on the

### Implications

**Policy:** Implementation review boards that include citizen scientists should be standard components for behavioral health research to facilitate effective intervention design, implementation, and dissemination.

# What is the right balance?



# Value Proposition



Concepts of culture and diversity are necessary considerations in the scientific application of theory generation and developmental processes of preventive interventions;



Culture and/or diversity are often overlooked until later stages (e.g., adaptation [T3] and dissemination [T4]) of the translational science process.



Here, we present a conceptual framework focused on the seamless incorporation of culture and diversity throughout the various stages of the translational science process (T1–T5).

# Key Definitions



**Translational science** is defined as a new effort to bridge the gap between scientific discovery and the development of new strategies to diagnose, treat, and prevent disease [1]^.



**Culture and diversity** are suggested as multi-system level considerations that will inform research design, implementation, effectiveness, and dissemination efforts while also increasing the translatability of intervention results at the individual and system levels.

# Translational Science Continuum



Type 0: The process of discovery, including theory and findings from basic sciences translated to applied theory



Type 1: Moving from bench to bedside. Translation of applied theory to methods and program development



Type 2: Moving from bedside to practice and involves translation of program development to implementation



Type 3: Determining whether efficacy and effectiveness trial outcomes can be replicated under real-world settings



Type 4: Wide-scale implementation, adoption and institutionalization of new guidelines, practices, and policies



Type 5: Translation to global communities. Involves fundamental, universal change in attitudes, policies, and social systems

# Conceptual Framework

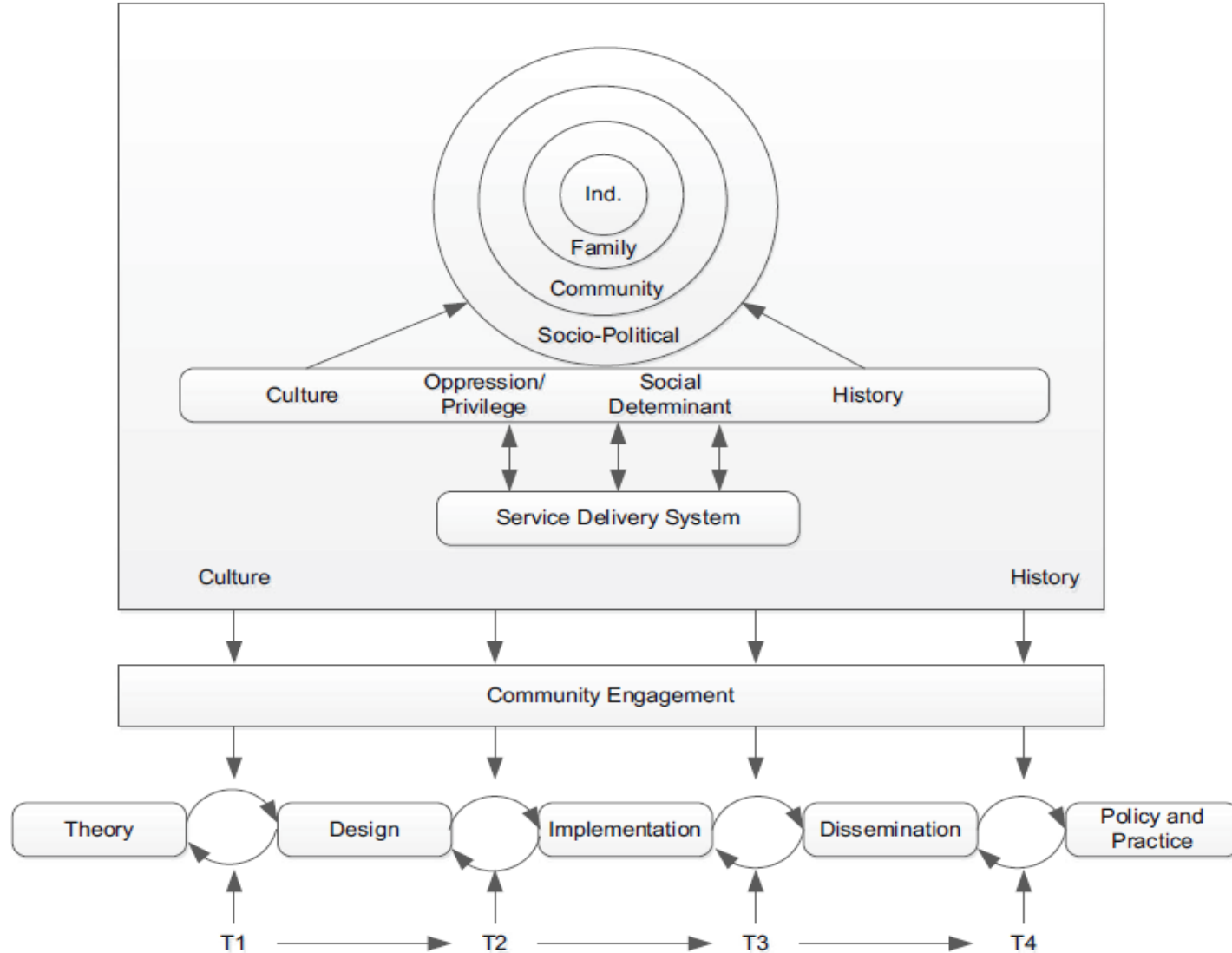


Fig. 1 | A framework for the integration of community-engaged research approaches across the translational science spectrum



# Intervention Development vs Adaptation



What are the key considerations when developing an intervention?

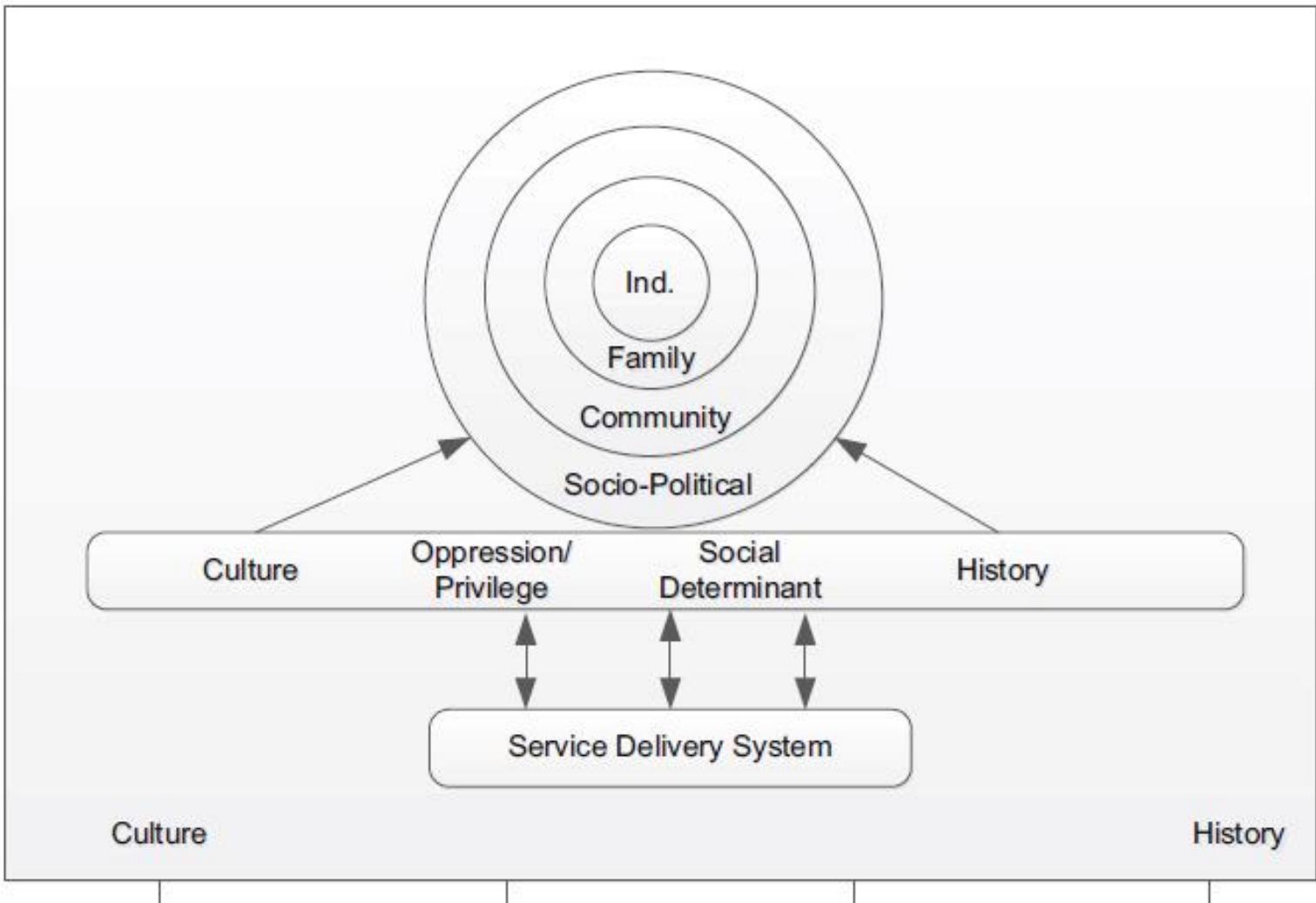


How do you define culture?

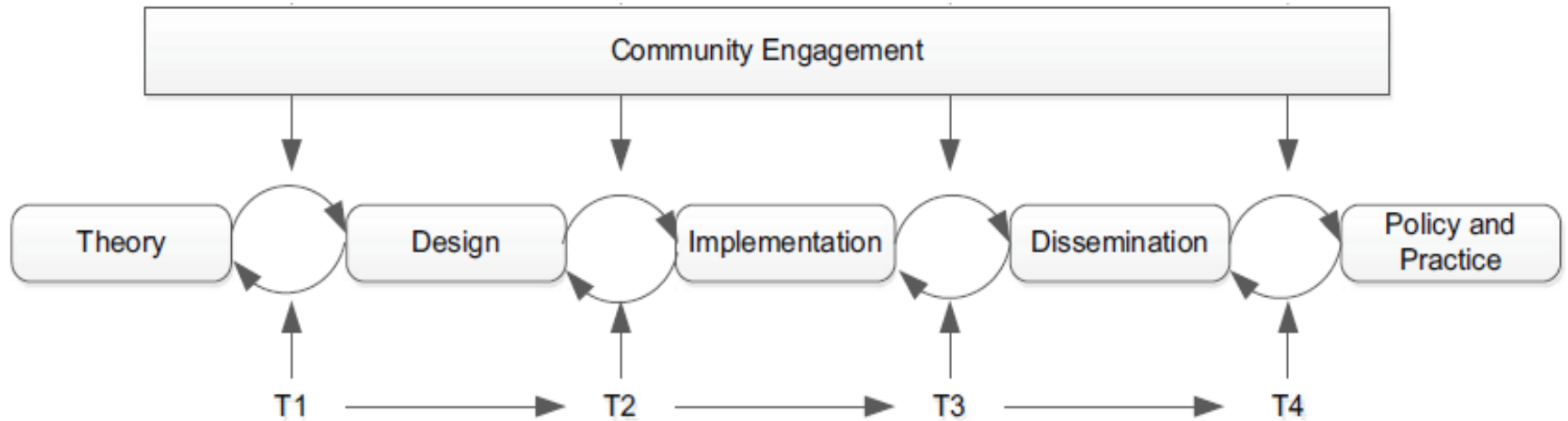


How does or should culture show up in preventive intervention?

# Conceptual Framework: Impact of Culture & History



# Community Engagement and Citizen Scientists



# Conceptual Framework

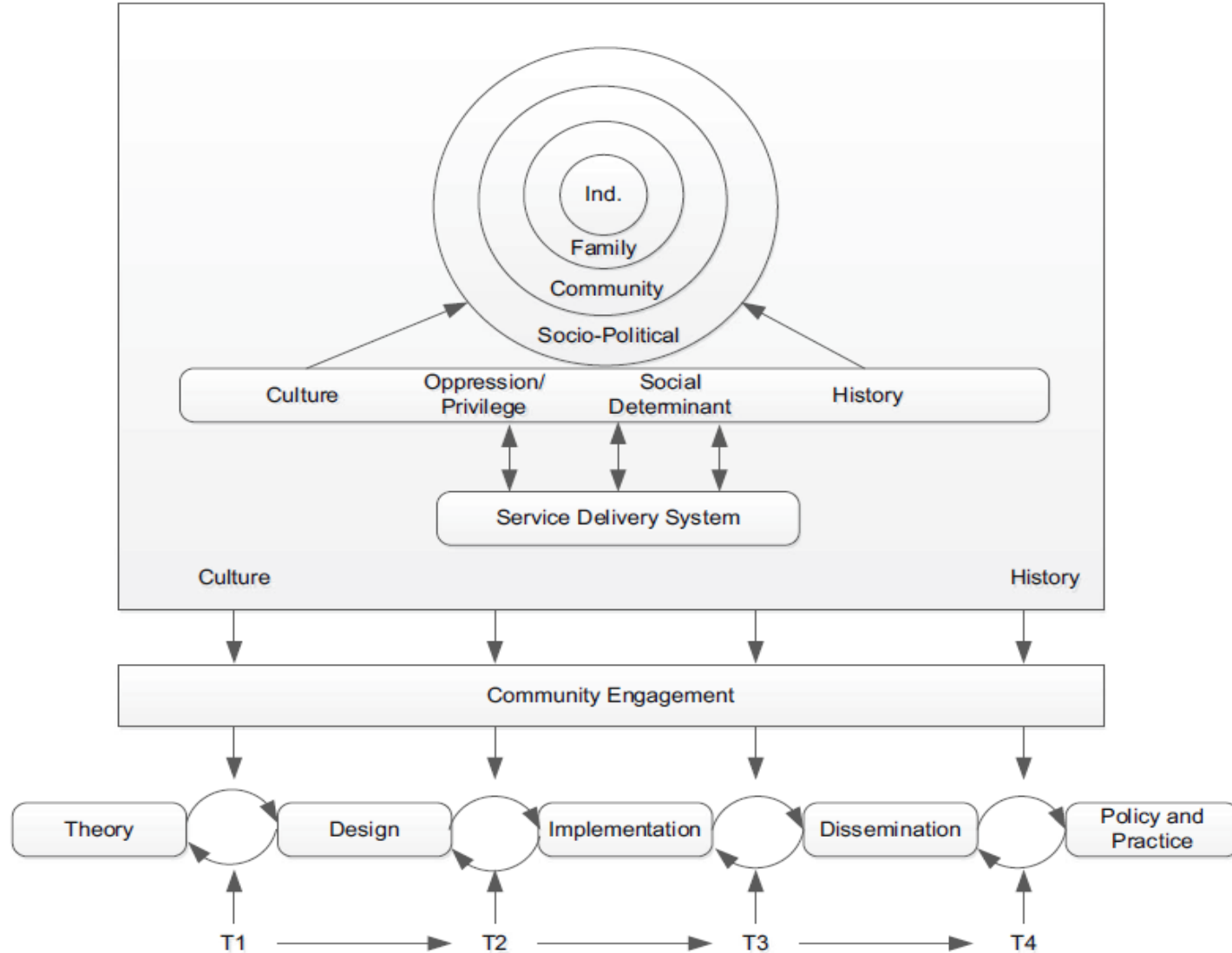


Fig. 1 | A framework for the integration of community-engaged research approaches across the translational science spectrum

# The Role of Research & Prevention Science



Researchers need to incorporate cultural considerations to inform specific community contexts and the individual and system-level factors that may impact the design, implementation, effectiveness, and dissemination of the intervention.



Prevention scientists and the prevention science field should actively seek to engage potential community-based research partners in all developmental and translational phases of research.

# T0/1 Considerations: The process of discovery



Create a multi-disciplinary, culturally specific research team



Seek to engage community members in research (“citizen scientists”)



Create opportunities for didactic exchange between community members and researchers

## T2: Moving from bench to bedside



Develop implementation review boards with professional and community investigators



Identify cultural factors associated with intervention uptake and buy-in

# T3: Determining whether outcomes can be replicated under real-world settings



Customize a dissemination plan based on cultural needs, focusing on potential factors in scaling up an intervention



Complete surface-level and deep-level cultural adaptations



# T4: Wide-scale implementation, adoption and institutionalization



Cultivate an understanding of prevention needs among diverse stakeholders



Understand how diverse perspectives are incorporated into community decision-making



Collaborate with community leaders to disseminate information for policy change

## T5: Translation to global communities



Maintain sustained input from community members into research process



Identify cultural differences that are essential to sustainability

# Conceptual Framework

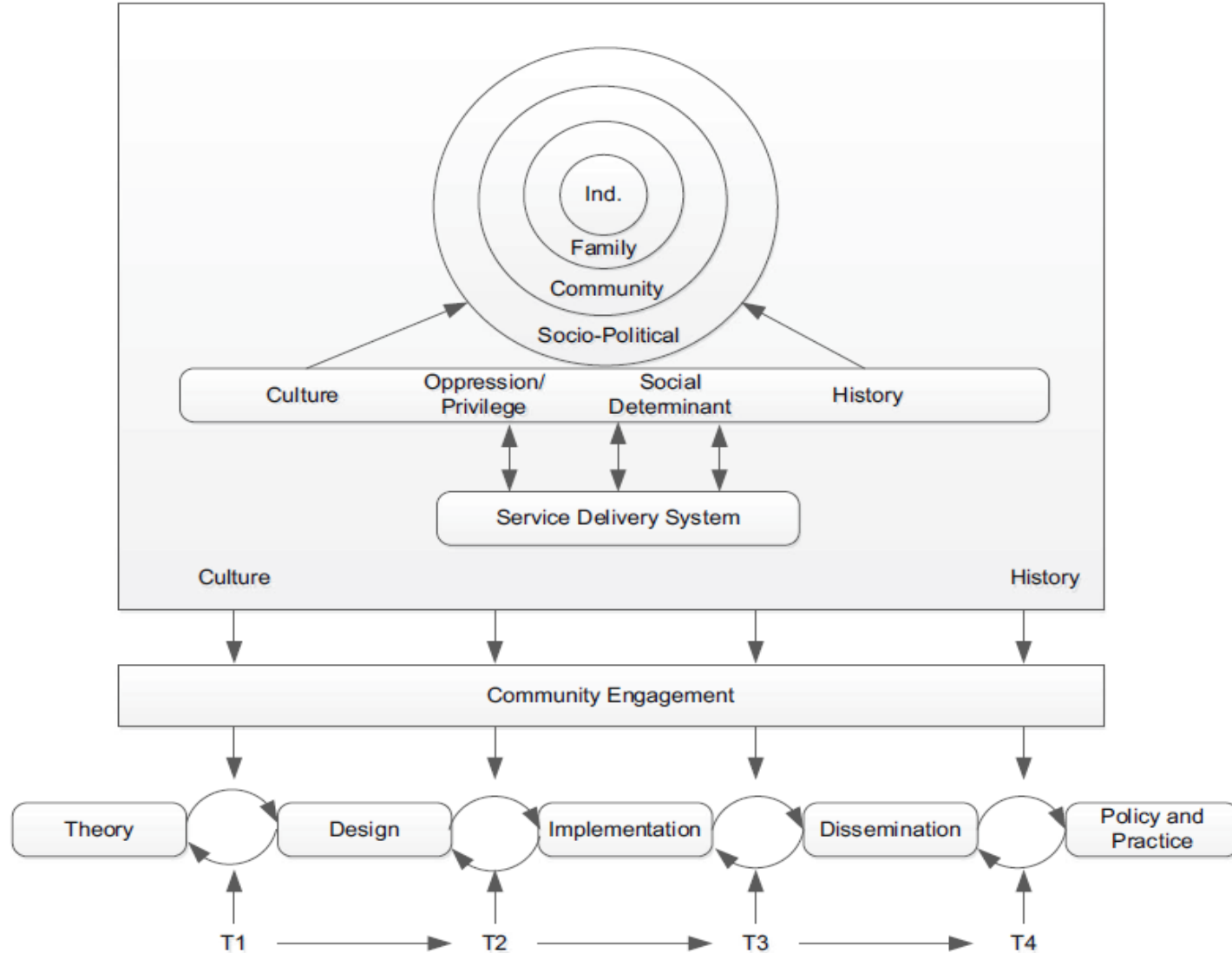


Fig. 1 | A framework for the integration of community-engaged research approaches across the translational science spectrum

# Thanks



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