



# Training in Interdisciplinary Population Health Science: A Vision for the Future

JUNE 1-2, 2015

THE KECK CENTER, WASHINGTON DC

# Our Task

- ▶ Share what we have learned about training interdisciplinary population health scientists?
- ▶ Develop a vision for future training and action steps that could be taken to realize that vision



# Training in Interdisciplinary Health Science: Current Successes and Future Needs

A paper commissioned by the Institute of Medicine  
Roundtable on Population Health Improvement

Posted on the Roundtable's meeting website:

<http://www.iom.edu/~media/Files/Activity%20Files/PublicHealth/PopulationHealthImprovementRT/15-JUN-01/PHS%20Training%20Meeting%20Paper.pdf>.

# The Agenda



## This Morning

- ▶ Setting the Stage: Perspectives from Early Career Scientists
- ▶ Defining the Essentials

## This Afternoon

- ▶ The Training Pipeline
- ▶ Reactions and Day 1 Wrap-Up

## Tomorrow

- ▶ Priority-Setting and Developing Action Steps in Break-Outs

# Thanks to...

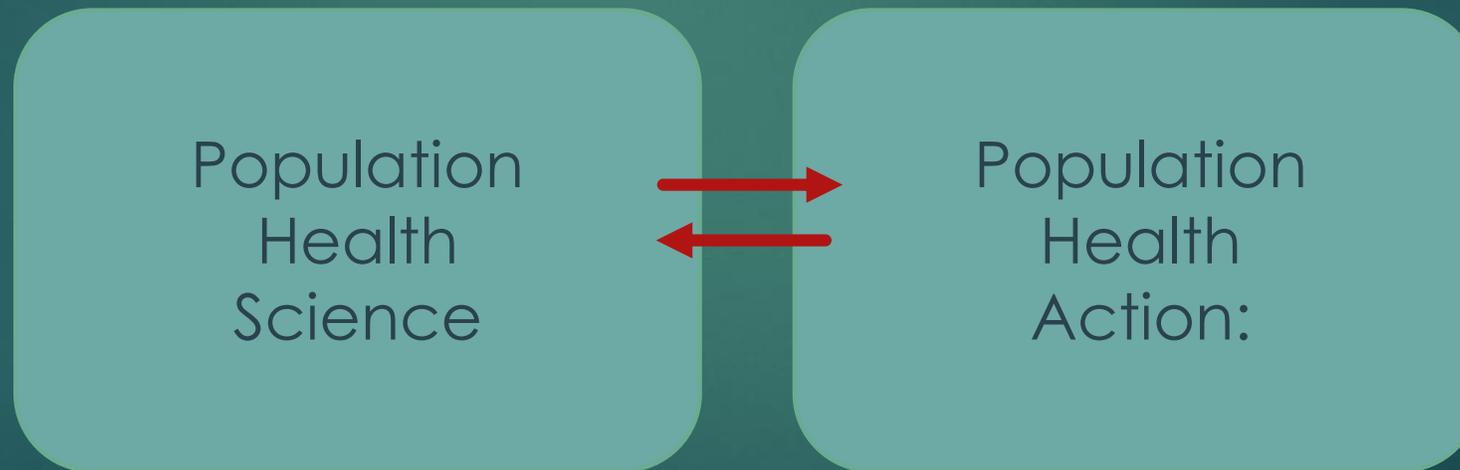
- ▶ The IOM Roundtable on Population Health Improvement
  - ▶ Dave Kindig & George Isham, Chairs
  - ▶ Alina Baciu and Colin Fink, Staff
  - ▶ Paula Lantz, Roundtable Member and Leader, *Collaborative on Population Health Science*
- ▶ Travel support from:
  - ▶ The NIH Office of Behavioral and Social Sciences Research
  - ▶ The National Institute on Minority Health and Health Disparities
  - ▶ RWJF Health and Society Scholars
- ▶ Planning Group & advisors: Nancy Adler, Chris Bachrach, Jason Boardman, Kathie Harris, Bob Hiatt, Sara Johnson, Carlos Mendes de Leon, Briana Mezuk, Bobby Milstein, Amy Non, Stephanie Robert, Jason Schnittker, and Yonette Thomas.
- ▶ Contributions to commissioned paper: Tiffany Green and Sara Shostak



*The overarching goal of the meeting is to develop a vision for the production of outstanding scientists who can integrate knowledge, theory, and methods from diverse disciplines and participate effectively in interdisciplinary teams to address complex population health issues.*

# What is the “Field” of Population Health?

**Outcome:** “The health outcomes of a group of individuals, including the distribution of such outcomes within the group.” (Kindig & Stoddart, 2003)



# What is Population Health Science?

- ▶ Interdisciplinary and multi-method
- ▶ Characterizes/explains population health levels & disparities
- ▶ Produces knowledge about:
  - ▶ multilevel (cells to society) causes of health and disease
  - ▶ mechanisms through which health and health disparities are produced
  - ▶ evidence base for policies and practices that improve population health and ameliorate health disparities

# Example: The Work-Family-Health Network Project



- ▶ Multi-site, randomized, controlled trial of a workplace intervention
  - ▶ produce family supportive supervisory behaviors & improve employees' control over when and where they work
  - ▶ two different sites: information technology professionals & service workers in long-term health care
- ▶ Multi-level approach, spanning business practices to biology
- ▶ Interdisciplinary team
- ▶ Multi-sectoral
- ▶ Basic & applied science

*Thanks to Lisa Berkman and Roz King for information about this project.*



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