

Presentation Title	Place in Schedule
Proceedings from the Total Worker Health® Research Methodology Workshop: Study Design and Measurement Options	Concurrent Session 5.2 <i>Day 3 – Thursday</i> <i>May 10<sup>th</sup>, 2018</i> <i>2:40 – 3:55pm</i>
Description of Presentation	Presenter Name(s) And Credentials
<p>Sara L. Tamers, Ron Goetzel, Kevin Kelly, Sara Luckhaupt, Jeannie Nigam, Nicolaas Pronk, Diane Rohlman</p> <p>On March 7-8, 2017, the University of Iowa’s College of Public Health and Healthier Workforce Center of the Midwest hosted the first Total Worker Health® (TWH) Research Methodology Workshop (Workshop). Planning and implementation support for the Workshop was provided by an executive planning committee, which also included NIOSH. The goal of this Workshop was to respond to two of the eight recommendations put forth by the Independent Panel of the Pathways to Prevention Workshop on December 9-10, 2015, sponsored by the National Heart, Lung, and Blood Institute, NIOSH, and the National Institutes of Health’s Office of Disease Prevention: Total Worker Health: What's Work Got to Do With It? These two recommendations were: 1) develop a core set of measures and outcomes that are incorporated into all integrated intervention studies; and 2) expand research and evaluation design options to include a range of rigorous methodologies. The TWH Research Methodology Workshop also addressed the intermediate goal of applying and developing rigorous, standardized methods for TWH interventions and associated activity/output goals outlined in the NIOSH’s National Total Worker Health Agenda (NORA). In response to the aforementioned recommendations and goals put forth by TWH researchers, occupational safety and health professionals and practitioners, employers, labor unions, workers, and other relevant stakeholders, the authors offer several TWH research methodological and measurement</p>	<p>Sara L. Tamers, PhD, MPH  <i>CDC/NIOSH</i></p>

options, resultant from the Workshop. Topics explored include:

- Study design considerations for measuring Total Worker Health programs
- Possible methods to address potential selection bias, attrition, and unanticipated changes to the work environment for Total Worker Health
- The role of qualitative and mixed-method approaches in Total Worker Health research and how these can be used to address a variety of safety, health and well-being topics among workers and employers across industry sectors
- The advantages and disadvantages of different designs for Total Worker Health research as demonstrated by case studies
- A summary of outcomes and measures that have been applied to Total Worker Health research
- A core set of outcomes for Total Worker Health research and possible measures to address them

The options for consideration laid out in this presentation are intended to highlight existing approaches, the advantages and disadvantages and gaps that subsist, as well as propose additional options that hold promise to advance the TWH field.