

Systematic Reviews for Dementia Researchers: Tools, Techniques and Best Practices

Friday, July 25, 2025 | 1-5 p.m.

Westin Harbour Castle- Queens Quay — Toronto, Canada

All times are in Eastern Standard Time

In-person attendance only

Overview

The workshop is specifically geared to trainees, researchers, and clinicians who are not already familiar with systematic review methodology or want a refresher. High-quality and timely evidence synthesis is a critical skill for dementia clinicians and researchers, given the rapidly advancing research climate. Systematic reviews represent the highest level of scientific evidence and serve as the foundation for evidence-based medicine and clinical practice guidelines. This hands-on workshop will cover practical and foundational basics of systematic review methodology and guide participants through the process of efficiently conducting high-quality systematic reviews, which may be used to inform new clinical practice guidelines, including initiatives recently spearheaded by the Alzheimer's Association.

Organizing Committee

- Malavika Tampi, MPH
- Sarah Pahlke, MS
- Dylan X. Guan, B.Sc.

Target Audience

This ISTAART immersive workshop is designed for individuals in research at the beginner and intermediate levels.

Learning Objectives

1. Arrange a systematic review team and protocol that can inform greater policy efforts in evidence-based medicine (e.g., guidelines)
2. Understand the basics of a pragmatic and rigorous systematic review process with hands-on experience
3. Understand the application of systematic reviews in policies like clinical guidelines

Registration

Educational workshops are offered for in-person attendance only. Workshops require a separate registration fee in addition to AAIC full conference registration, or they may be purchased as stand-alone events. Visit alz.org/AAIC.

Agenda: July 25, 2025 | 1:00 pm - 5:00 PM

Time	Session Details	Speakers and Moderator
12:00 - 1:00 pm	Lunch (<i>Westin Metropolitan Ballroom</i>)	
1:00-1:45 PM	Lecture: Introduction to speakers, intro to clinical decision-making, putting together a team, scoping the review (defining PICO questions) with focus on informing guidelines, pre-registration of review	Malavika Tampi
1:45-2:15 PM	Hands-on: Complete group PICO exercises	Dylan Guan
2:15-2:30 PM	Break and refreshments	
2:30-3:15 PM	Lecture: Searching, screening, data abstraction, risk of bias	Dylan Guan
3:15-3:45 PM	Hands on: Screen a few results together, abstract	Dylan Guan

	data, risk of bias assessment	
3:45-4:30 PM	Lecture: Data analysis, certainty of the evidence, drafting manuscripts, submitting for peer review	Sarah Pahlke
4:30-4:45 PM	Hands-on: assess certainty of evidence	Sarah Pahlke
Wrap-up	Application of systematic reviews for use in development of clinical policies like guidelines	Malavika Tampi