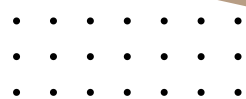# Research Workshop on Systematic Review

A systematic review is a rigorous and methodical type of literature review designed to answer a specific research question by identifying, evaluating, and synthesizing all available evidence in a transparent and reproducible manner. This approach aims to minimize bias, enhance objectivity, and provide a comprehensive summary of current knowledge on a given topic. A meta-analysis complements the systematic review by applying statistical techniques to quantitatively combine the results of multiple independent studies, offering a more precise and reliable estimate of the effect or association being investigated. This workshop led by Dr. Tam focuses on teaching the essential principles and steps for conducting systematic reviews and meta-analyses, employing Muka's 24-step framework. Participants will learn how to formulate clear and focused research questions using the PICO (Population, Intervention, Comparison, Outcome) approach, set explicit inclusion and exclusion criteria, and conduct comprehensive literature searches, particularly utilizing the PUBMED database. Attendees will gain hands-on experience in conducting meta-analyses using the free statistical software jamovi, and learn how to interpret and present findings in a transparent and replicable manner, guided by the Preferred Reporting Items for Systematic Reviews and Meta-Analyses (PRISMA) guidelines.
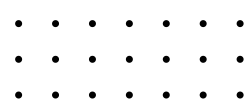
THURSDAY
12 JUNE 2025
16:00 – 17:30

ZOOM
Meeting ID: 982 6000 7167
Passcode: 091981

Dr. TAM Wai San, Wilson
Associate Professor
Deputy Head (Research), ALCNS,
National University of Singapore