Application of propensity score methods in comparative effectiveness and safety of therapies

Presenter: Dr. Lehana Thabane

Summary: The presentation will provide an overview of the principles of propensity score (PS) methods—commonly used in comparing effectiveness and safety of therapies using observational data from routine practices collected via registries. In addition, we will review the literature on how PS-based results compare with those based on randomized controlled trials (RCTs).

Specifically, we will address the following questions:

1. What is the benefit of using PS method over the conventional multivariable approach?
2. Are there cases where the results of PS-adjusted results are similar to those based on RCTs?
3. Are there cases where the results of PS-adjusted results differ from those based on RCTs?
4. In general, how common are the cases where results of observational studies differ from those of RCTs?
5. In general, how common are the cases where results of observational studies are similar to those of RCTs?

All faculty, research staff, allied health staff, and trainees are welcome to attend.

*These are interactive sessions - we want to hear your feedback, questions and great ideas!*