

**Summer Program in Clinical Epidemiology and Biostatistics  
Curriculum 2022**

**Lead Instructor:** Dr. S. Joseph Kim MD, PhD, FRCPC, MHS

**Program Manager:** Segun Famure MPH, MEd, CHE

**Venue:** TGH-11 PMB 190 (Astellas Conference Room)

Suggested textbooks (all available on-line through the University of Toronto Libraries):

- 1). Hulley et al. Designing Clinical Research, Third Edition. Lippincott Williams & Wilkins. 2006
- 2). van Belle et al. Biostatistics: A Methodology for the Health Sciences, Second Edition. Wiley-Interscience. 2004.
- 3). Kestenbaum B. Epidemiology and Biostatistics: An Introduction to Clinical Research

<b>Summer Session 2022</b>	
May 16	<b>7-8am</b> Introduction to clinical epidemiology <b>8-9am</b> Introduction to applied biostatistics I –Joseph Kim
<b>May 23</b>	<b>Victoria Day (no seminar)</b>
May 30	<b>7-8am</b> Bias, confounding, effect modification <b>8-9am</b> Critical appraisal of related article – Joseph Kim
Jun 6	<b>7-8am</b> Measures of occurrence and association <b>8-9am</b> Laboratory exercise based on current lecture - Bassem Hamandi
Jun 13	<b>7-8am</b> Introduction to applied biostatistics II <b>8-9am</b> Laboratory exercise based on current lecture – Joseph Kim
Jun 20	<b>7-8am</b> Observational studies <b>8-9am</b> Critical appraisal of related article – Joseph Kim
Jun 27	<b>7-8am</b> Randomized controlled trials <b>8-9am</b> Critical appraisal of related article – Shahid Husain
Jul 4	<b>7-8am</b> Prognostic and diagnostic studies <b>8-9am</b> Critical appraisal of related article – Sunita Singh
Jul 11	<b>7-8am</b> Conducting systematic reviews - Ani Orchanian-Cheff <b>8-9am</b> Systematic reviews and meta analyses – Farid Foroutan
Jul 18	<b>7-8am</b> Basics of survival analysis <b>8-9am</b> Laboratory exercise based on current lecture – Joseph Kim
Jul 25	<b>7-8am</b> Interpreting regression models <b>8-9am</b> Critical appraisal of related article – Joseph Kim Course Evaluations