

EPIB 639. PHARMACOEPIDEMIOLOGIC METHODS.

Credits: 4

Offered by: Epidemiology and Biostatistics (Graduate Studies)

This course is not offered this catalogue year.

Description

The objective of this course is to provide students with an in-depth review of the methods and principles of pharmacoepidemiology. Topics covered include themes related to the potential data sources, appropriate exposure definitions, the use of active drug comparators, latency and the application of lag periods, reverse causality, detection bias, methodological considerations in the assessment of acute versus chronic outcomes, new-user designs, healthy-user effects, and non-traditional study designs (e.g., within-user designs). In addition, the role of confounding and methods used to minimize its effects, such as the use of propensity scores, instrumental variables, and marginal structural models will be discussed.

- Prerequisite(s): EPIB-603, EPIB-621, or equivalent, or permission of instructor.

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