

Faculté de pharmacie

Séminaire de l'axe

« Médicament et santé des populations »



“Methodological Challenges in Administrative-Data Pharmaco-epidemiology: Lessons from the Canadian Network for Observational Drug Effect”

Robert Platt, Ph. D.

Professor , departments of Pediatrics and of Epidemiology, Biostatistics, and Occupational Health, McGill University

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À l'invitation du professeur Mireille Schnitzer

The Canadian Network for Observational Drug Effect Studies (CNODES) is a national network funded by CIHR and supported by Health Canada to conduct a series of collaborative, multi-year studies that will gauge the actual effects of prescription drugs on those who use them. CNODES has assembled administrative data from most provinces, along with the UK CPRD and a US database. CNODES studies, usually designed to assess comparative safety of medications, are conducted using a common protocol distributed to the sites, followed by a meta-analysis. The CNODES Methods team was established to support ongoing CNODES studies, and to conduct research on statistical and epidemiologic methods in pharmacoepidemiology. In this talk, I will describe some of the methodological challenges that have arisen in CNODES' studies, discuss results of our ongoing methods research, and highlight some new problems and opportunities. These include issues of reproducibility, of privacy in distributed networks, of confounding control in large administrative datasets, and of dealing with delays in data access at individual sites.