Health economics and chronic disease, with a specific focus on diabetes

Presenter: Xinyang Hua

Supervisors: Prof. Philip Clarke, A/Prof Matthew Spittal, Dr Thomas Lung

Friday 8th June 10am-11am - Seminar Room 410, Level 4, 207 Bouverie Street, Carlton

Chronic disease brings heavy epidemiological and economic burden on both individual and national level.

This research focuses on chronic disease, especially diabetes, from a health economics perspective. It covers six individual studies which can be divided into three main parts:

- cost analysis—which separately focuses on out-of-pocket expenditure for patients and price trend of prescription medications,
- risk prediction on long-term health outcomes—with a specific focus on regional/population differences on the predictions,
- the use of simulation modelling—with one systematic review on existing model-based economics evaluations for diabetes, and a self-built Asian diabetes model which incorporate quality of life as a novel predictor.

This research applies a wide range of health economics methods and endeavors to fill in some of the gaps in existing research and provide new evidence and practical tools for chronic disease.

Xinyang Hua is a PhD candidate and Research Assistant in the Centre for Health Policy. Her study is supported by the Melbourne International Research Scholarship.

During her PhD study, she has published several studies as first author in academic journals including JAMA, Health Policy, European Journal of Preventive Cardiology and PharmacoEconomics. She has also contributed to several non-peer review articles on media outlets including The Conversation and Croakey.

In 2017 she won the Chinese Government Award for Outstanding Students Abroad, which was granted to overseas Chinese PhD students with outstanding academic accomplishments across all disciplines.

These seminars are free. Visitors are welcome to attend.
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