

Systematic reviews & meta-analysis of prognosis studies

RYDGES CAMPERDOWN, SYDNEY, 19-21 JUNE 2019

This two day course will cover the principles, design, searching, data extraction and risk of bias assessment in review of prognosis studies, and is open to everyone with interest in systematic reviews of prognosis studies.

An additional third day will address the more advanced topic of meta-analysis of prognosis studies, including computer exercises where two meta-analyses are conducted.



FEATURING:

Carl Moons

Carl Moons is a Professor of Clinical Epidemiology at the Julius Center for Health Sciences and Primary Care. He is Director of Research at the Julius Center, heads the Center's Methodology research programme, is affiliated with Cochrane Netherlands, and is convenor of the Cochrane Prognosis Methods Group. He is also Adjunct Professor at Vanderbilt University, Nashville, USA. Carl has been a principal investigator on many international and national studies, and has published over 500 peer reviewed articles and book chapters. His major expertise is in developing and testing methodological innovations in the design, analysis, validation and implementation of diagnostic and prognostic prediction models and clinical decision rules, and methods for systematic reviews and meta-analysis of prognosis studies.



Lotty Hooft

Lotty Hooft is an Associate Professor at the Julius Center for Health Sciences and Primary Care. She is Director of Cochrane Netherlands which is hosted by the Julius Center, and member of various Cochrane methods groups and the Cochrane Council. Lotty's research focuses on three main areas: developing and refining methods for systematic reviews and meta-analysis; methods to improve the interpretation and presentation of systematic review results; and reducing clinical and research waste. She has a MSc degree in medical biology and in clinical epidemiology.



Thomas Debray

Thomas Debray is an Assistant Professor at the Julius Center for Health Sciences and Primary Care and Cochrane Netherlands, and affiliated with several Cochrane methods groups. His research focuses on statistical methods for risk prediction and the synthesis of randomized and non-randomized data sources. Thomas has a background in computer science, artificial intelligence and clinical epidemiology, and has recently developed guidance and software for the meta-analysis of prognosis studies. He has a Bachelor degree in Applied Informatics, a Masters in Artificial Intelligence and a Masters in Clinical Epidemiology.



Places are limited. \$1500 per person: [Register here](#)

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~ Preliminary Program ~

DAY 1: Wednesday 19th June 2019

Introduction to systematic reviews of prognosis studies.

Lectures and group practical exercises covering:

- Types of primary prognosis studies
- Differences between intervention and diagnostic test accuracy studies
- Types of systematic reviews of prognosis studies
- Formulating the review question (PICOTS)
- Protocol of systematic review of prognosis studies
- Searching for primary prognosis studies
- Data extraction & critical appraisal: CHARMS checklist

DAY 2: Thursday 20th June 2019

Applicability, critical appraisal, Risk of Bias, introduction to meta-analysis.

Lectures and group practical exercises covering:

- Risk of Bias assessment of prognostic factor studies: QUIPS
- Risk of Bias assessment of prognostic model studies: PROBAST
- Meta-analysis of Prognosis Studies

DAY 3: Friday 21st June 2019

Meta-analysis of prognosis studies.

Lectures and group practical exercises covering:

- Meta-analysis of prognostic factor studies (exercise)
- Meta-analysis of prognostic model studies (exercise)
- Interpretation and reporting of meta-analysis of prognosis studies

Confirmed presenters: Carl Moons, Lotty Hooft, Thomas Debray,
Lukas Staub, Katrina Williams, Sally Lord

Discounted accommodation at the venue is available.

Please contact Matthew Wynn (matthew.wynn@ctc.usyd.edu.au) for details