

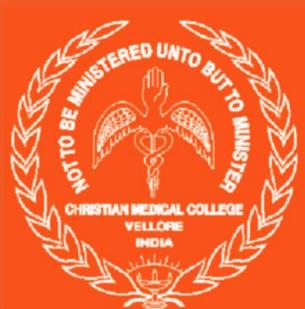


Faculty
Michal Horney
Emory University
USA



Workshop on Foundations in Health Economics

December 03-05, 2019



Course offered by
Clinical Epidemiology Unit,
Biostatistics Resource and Training Centre,
Christian Medical College, Vellore, India.



EMORY
UNIVERSITY

In collaboration with the
Emory University School of Medicine, Atlanta, GA, USA

Background:

Decisions in health care by both health care providers and patients involve both research evidence, clinicians experience and patient preferences. Both research evidence and patient preferences take into account costs to the patient and health care system. Costs and health economics are sadly rarely taught to researchers. What are the costs involved in decision making and how does one quantify benefits of health care are questions that most would struggle to answer? However, given that all health care providers make decisions involving costs and the benefits of diagnosis or treatment, this is essential knowledge. While, there are multiple uses for cost estimates in healthcare research and policy making, the majority of evaluations fall into economic evaluations of specific healthcare interventions or programs. The common situations involve comparing two or more interventions. The economic evaluations here are cost of disease analysis, cost benefit analysis and cost-effectiveness analysis. Cost-utility and cost minimization analyses are subcategories of the cost effectiveness.

How do we perform such a studies, how do we analyse health economic data and how do we read and critically appraise research papers with such information? These are the questions we hope the workshop planned below will answer. The aim of the workshop is to impart the basic principles of Health Economics and teaching participants the skill of journal critique in relation to economic evaluation of health care.

Workshop Objectives:

- To impart the basic methods of health economics
- To discuss key evaluation issues and study designs that threaten validity of economic evaluation of healthcare
- To learn the skill of critically appraising health economic research

Who should apply?

Who should attend the workshop? Any health care provider, student, practitioner or teacher. The skills learned are likely to influence decision making through a lifetime!

Workshop Fee:

Rs 10,000/ (Inclusive of 18% GST)

(Workshop kit, Lunch, snacks and tea will be provided)

Workshop Fee should be paid in full by **November 26, 2019**.

All Registrations must be done online at <http://tiny.cc/hef>

The Registration Fees can be paid as:

1. **Demand Drafts or Cheques** in favour of '**Christian Medical College Vellore Association Account**', payable at Vellore. This may be sent to the communication Secretariat.
2. Online transfer of fees can be done through **Net Banking or Credit/Debit Card**.

Accommodation:

Participants will have to bear their own expenses for travel, boarding and lodging. The organizers will provide lunch and snacks. However, the organizers may arrange basic accommodation with A/C facility in the college campus on request.

Venue:

Stem cell Research Centre Auditorium (Bagayam),
Christian Medical College, Bagayam, Vellore - 632 002.

The number of participants: Limited to 45 admissions & this will be purely on first come first served basis.

About Faculty:



Dr. Michal Horný is an Assistant Professor in the Department of Radiology and Imaging Sciences at Emory University School of Medicine and an Affiliate Research Fellow at the Harvey L. Neiman Health Policy Institute. He also holds a secondary appointment in the Department of Health Policy and Management at Emory University Rollins School of Public Health. In his research, Michal examines factors affecting the affordability of health care including but not limited to health policy and health insurance benefit design, and the subsequent effect on health care utilization and disparities in health outcomes. As a health economist, Michal is also interested in the assessment of the value of care with a particular focus on cancer screening and diagnostic imaging. After completing his master's degree in Stochastics and Financial Mathematics at VU University Amsterdam, he earned his PhD in Health Services Research from Boston University School of Public Health



Dr. Abraham Peedicayil MBBS, DGO, MPH, MD, FRCOG is Professor and Head, Dept of Obstetrics & Gynaecology and Head, Gynaecologic Oncology Unit, CMC Hospital, Vellore 632004, India. Trained at UNC, Chapel Hill and has been member of the Clinical Epidemiology Unit since 1992. Has been involved in teaching epidemiology and participating in clinical and epidemiological research at CMC, Vellore. Main clinical interest is gynaecological oncology.

Dr. Thambu David Sudarsanam, Professor of Medicine at the Christian Medical College Vellore and coordinator of the clinical epidemiology unit in CMC and member of the South Asian Cochrane network. Trained both MBBS and MD General Medicine in the Christian Medical College Vellore. His interests include Infectious diseases, Epidemiology and Systematic reviews. He is also interested in Nutritional interventions for TB and the problems of HIV and TB co-infection. He is also the coordinator for the PG Research Methodology and Dissertation writing workshops in CMC.



Dr. L. Jeyaseelan, Professor of Biostatistics at the Department of Biostatistics, Christian Medical College, Vellore. He has been teaching Epidemiology and Clinical Epidemiology for the Masters Program at this Department. He is specialized in Clinical Epidemiology, Bayesian Methods, Bootstrap, and Mixture Distributions. He is the founder of the Biostatistics and Resource and Training Centre (BRTC). He has been organizing short courses in Biostatistics, Epidemiology, and Advanced Statistics Methods for the last 15 years. He is also the founder of the Clinical Data Management Centre (CDMC) to support data management, analyses and report writing for Vaccine and Drug trials. This is the first ever recognised data management centre in an academic institution in India. He is also member of the DSMB of Department of Biotechnology (DBT) and WHO. He has published over 135 papers in public health and medicine. He is the PI of the nMaster sample size calculation software from this Department. He is Investigator or Co-investigator of nearly 10 Epidemiological studies and about 15 capacity building projects.



Workshop content:

Day 1: 03-Dec-2019

- Fundamentals of economic evaluation in health care
- Study designs
 - Cost minimization analysis
 - Comparative effectiveness analysis
 - Cost-effectiveness analysis
 - Cost-utility analysis
 - Cost-benefit analysis
- Trial-based versus model-based economic evaluation
- Development of a decision tree
- Estimating costs
- Time-preference
- Discounting

Day 2: 04-Dec-2019

- Estimating probabilities and rates
- Measuring effectiveness
 - Estimating life expectancy
 - Valuing health outcomes
 - Valuing quality of life
- Willingness-to-pay threshold
- Deterministic sensitivity analysis

Day 3: 05-Dec-2019

- Microsimulation
- Probabilistic sensitivity analysis
- Markov models
- Guidelines
- Reporting results
- Critical appraisal
- Review of papers
- Alternative approaches to economic evaluation
 - Budget-impact analysis
- Workshop summary

Address for communication

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Course Co-ordinator

Dr. L. Jeyaseelan,
Professor