



DCP3-Peru Workshop on New Methods for Health Economic Evaluation

May 6-7, 2014

Lima, Peru

Objectives

This intensive 2-day workshop aims to prepare experienced researchers to conduct modelled health economic evaluations using the extended cost-effectiveness analysis (ECEA) methodology. The workshop will lay the groundwork for the formation of collaborative research teams that will prepare policy-relevant ECEA analyses in the coming months and years. It will also provide an opportunity for researchers interested in equity and financial risk protection to network.

Goals

- To review in detail the steps and data needed to conduct a modelled health economic evaluation
- To provide participants with a conceptual understanding of ECEA
- To transfer the method and template model to enable participants to conduct an ECEA
- To establish collaborative research teams of regional and global economic experts
- To enable participants to contribute to the evidence base in their country on health economics

Course Format

Part I of the workshop will review the methods for conducting a cost-effectiveness analysis. Through a combination of lectures and hands-on exercises, participants will familiarize themselves with the terminology and approach to cost-effectiveness research.

Part II will introduce researchers to ECEA, a method developed by researchers at the University of Washington and the Public Health Foundation of India to produce additional economic information about health policies and interventions. ECEA augments CEA with additional data in order to assess the financial risk protection and equity consequences of interventions and policies.

Part III of the workshop will involve hands-on exercises where participants work individually and in teams in completing two ECEA exercises. Participants will have the opportunity to collaborate with workshop facilitators from the Disease Control Priorities Network (www.dcp-3.org) on new ECEA studies.

Throughout the course, the group will break to discuss applications of the learned methodologies to the Peruvian context.



Eligibility

Applicants should have good Excel skills, a basic understanding of cost-effectiveness techniques, and the desire to collaborate with other researchers following the conclusion of the workshop. The course is presented in English, along with simultaneous translation.

Workshop requirements

1. Participants will be expected to bring with them a laptop computer with Microsoft Excel.
2. Participants are encouraged to share any recent cost-effectiveness or other economic analyses that they have prepared.
3. Participants are requested to gather and prepare information on policies, programs and potential data sources related important disease conditions and health strategies from their countries.

Workshop facilitators

Jim G. Kahn, University of California, San Francisco

James G. Kahn, MD, MPH is professor in the Philip R. Lee Institute for Health Policy Studies, Global Health Sciences, and the Department of Epidemiology and Biostatistics at UCSF. His research focuses on the empirical and modeled assessment of the cost, effects, and cost-effectiveness of global health prevention and treatment interventions. His primary disease area is HIV, with additional work in integrated community health campaigns, gestational diabetes, orthopedics, and other health conditions. His geographic focus is mainly the U.S. and Africa. Prof. Kahn is the PI of the Global Health Decisions project, which examined efficacy data for interventions for 8 global health conditions and is modeling disease burden reduction and cost-effectiveness for HIV interventions via a user-friendly graphic web interface. He is the lead cost and cost-effectiveness investigator for SEARCH and related studies of ART expansion in Kenya & Uganda. He leads two core economics courses at UCSF, global health economics and decision and cost-effectiveness analysis. He coordinates the UCSF Global Health Economics Consortium (GHECon).

Zachary Olson, University of Washington

Zach Olson, MA, is a Research Analyst with the Disease Control Priorities Network. Zach has worked with the US federal government, the World Bank, and non-governmental organizations on improving program effectiveness. He currently assists the Principal Investigator and Project Director in conducting, evaluating, and synthesizing global health research on a range of topics. Zach received his Master's from the Johns Hopkins University School of Advanced International Studies (SAIS) where he concentrated in Development Economics.

Stéphane Verguet, University of Washington

Stéphane Verguet, Ph.D., is assistant professor in the Department of Global Health at the University of Washington. He is a senior health economist on the Disease Control Priorities



Network project and works in several areas within the project. His research interests include health economics and health services, cost-effectiveness, the economic evaluation of integrated health delivery platforms and policies, equity, and health systems performance. He studied at the Ecole Polytechnique and at the University of California, Berkeley.



Agenda

Day 1 - Tuesday, May 6, 2014

08:30– 09:00 Registration

09:00 – 09:30 Opening remarks and Introduction (Stéphane Verguet)

Part I Cost-Effectiveness Analysis (CEA) (Jim Kahn)

09:30 – 11:00 Basic understanding of CEA concepts and methods

11:00 – 11:30 Break

11:30 – 13:00 Initial application to an issue of your choosing

13:00-14:00 Lunch

14:00 – 14:30 Wrap up Part I

Part II Extended Cost-Effectiveness Analysis (ECEA) (Stéphane Verguet & Zach Olson)

14:30 – 15:00 Transition to Extended Cost-Effectiveness Analysis

- Rationale of creating new methodologies
 - Why extend CEA?
 - What new metrics to include?

15:00 – 15:45 Introduction to ECEA

- What is ECEA?
 - Definition, framework, and theory of ECEA
 - Output examples: Reiterate definition of each and their rationale

15:45 – 16:00 Break

16:00 – 17:00 Discussion regarding Peruvian Context

- Discuss overview of the theme or purpose of gathering
- How the theme of conference relates to ECEA?
- What types of topics would be good candidates for? (María Kathia Cárdenas)

End of Day 1



Day 2 - Wednesday, May 7, 2014

09:00 – 10:30 Methods: Extended Cost-Effectiveness Analysis (ECEA)

- Data
 - What data you need, how it will vary by analyses
 - Where to get data disaggregated by quintile, or how to disaggregate data by quintile if it is not available
 - What data is reliable, and what to do when data is not reliable or proxies are used (Sensitivity Analysis, etc)
- Calculations
 - Logic behind the calculations, how to develop certain calculations
 - How to calculate important ECEA output (FRP, MMV, Cases of poverty averted, etc)

10:30 – 11:00 Break

11:00-12:00 Presentation from Argentine Ministry of Health

- ProVac background
- Experience with ECEA
- Data collection for ECEA

Part III ECEA Activities (Zachary Olson)

12:00 – 13:00 Group Activity

13:00 – 14:00 Lunch

14:00 – 15:45 Individual Activity

15:45 – 16:00 Break

16:00 – 17:30 Follow-up discussion about methodology application (Stéphane Verguet)

- Split up into groups and discuss using the methodology further
- Start working on abstracts or 1-page proposals, work with workshop leaders to improve before submission

End Day 2