

Workshop I:
Basics of decision science and cost-effectiveness analysis (CEA) in health

Wednesday January 22, 2020
Saro-Maria Hotel, Addis Ababa

Overview

In health policy, we face questions about how to allocate resources across all levels of the health system. The choices faced by policymakers almost always have tradeoffs. Decision science is a way to formally describe those tradeoffs and importantly, offer guidance on what options policymakers should take. Cost-effectiveness analysis, or CEA, gives us the tools to describe potential tradeoffs and make recommendations on the best use of resources, buying the most health per budget expenditure (per Birr spent). By making efficient budget expenditure choices, we can maximize population health given the constrained financial resources available to spend on health services and the health system. This course will introduce you to some of the basic concepts underlying decision science and CEA in health.

Objectives

During the workshop, we will learn the following:

- The meaning, importance, types and key aspects of economic evaluation
- How to estimate intervention costs
- How to measure the benefits of health interventions
- To be able to decide if an intervention is cost-effective

Tools to be used /Data sources

Powerpoint presentations, Excel-based exercises on cost; Reading a literature on CEA to identify key aspects of economic evaluations.

Schedule for the day

Time	Session Topic	Presenters
9:00 – 9:15	Registration	
9:15 – 9:30	Welcome remarks and participant introduction	Dr. Meseret Zelalem & Prof. Stéphane Verguet
9:30 – 10:00	Powerpoint: Overall workshop introduction and objectives	Dr. Solomon Tessema Memirie

10:00 – 10:15	Coffee break	
10:15 – 11:15	Powerpoint: Introduction to economic evaluation in health and CEA	Prof. Stéphane Verguet
11:15 – 12:00	Group exercise: Reading a literature on CEA to identify key aspects of economic evaluations	Group work led by Dr. Solomon Tessema Memirie
12:00 – 1:00	Lunch break	
1:00 – 2:00	Powerpoint: Defining and quantifying costs in the economic evaluation of health interventions	Dr. Solomon Tessema Memirie
2:00 – 3:00	Group exercise: Conduct Excel-based exercises on costs (fixed, variable, total, marginal costs, etc.)	Dr. Solomon Tessema Memirie
3:00 – 3:15	Coffee break	
3:15 – 3:50	Powerpoint: Defining and quantifying outcomes of health interventions	Dr. Solomon Tessema Memirie
3:50 – 4:00	Concluding remarks	Dr. Solomon Tessema Memirie, Prof. Stéphane Verguet, & Dr. Meseret Zelalem

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Instructors

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