

ECONOMIC ANALYSIS MODULE

Goal

At the completion of this session the participant will be able to determine and demonstrate whether an article about an economic analysis of a specific therapy or health intervention has drawn conclusions about the efficiency that are both valid (true) and applicable (sensible or feasible) in one's own clinical practice.

Instructional Objectives

At the completion of this session you will be able to;

1. assess the validity of an article about an economic analysis.
2. understand and explain; cost minimization analysis, cost effectiveness analysis, cost utility analysis, and cost benefit analysis
3. determine the applicability of a economic analysis to a particular situation.

Reference

Guyatt G, Roman Jaeschke, Mark Wilson, Victor Montori, and Scott Richardson. What is evidence-based medicine. In Guyatt G, Rennie D, Meade MO, Cook DJ. Users' Guides to the Medical Literature: A Manual for Evidence-based Clinical Practice. 3rd ed. New York, NY: McGraw-Hill; 2015.

Required

Goeree R, Drummond MF, Moayyedi P, Levine M. Moving From Evidence to Action. Advanced Topics in Moving from Evidence to Action, Economic Analysis, Chapter 28.2; Pgs 575 - 591

Recommended

Guyatt G, Meade, MO, Agoritsas T, Richardso WS, Jaeschke R. The Foundations, What is the Question, Chapter 4; pgs 19 – 28.

Agoritsas T, Olav Vandvic P, Neumann I, Rochweg B, Jaeschke R, Hayward R, Guyatt G, McKibbon KA. The Foundations, Finding Current Best Evidence, Chapter 5; pgs 29 – 50.

Problem Based Educational Strategy

1. Read the clinical scenario.
2. Compose a well-built clinical (foreground) question about the clinical problem.
3. Complete a literature search using the headings from your well-built clinical question, and bring the results to the session.
4. Read the Users' Guides to the Medical Literature reference article.
5. Complete the attached Users' Guides to the Medical Literature Worksheet.
6. Determine whether the result of this article would change your approach to the patient.

Clinical Scenario

You are the child health representative to a non-governmental organization (NGO) Advisory Committee that supports child health issues. The NGO supports a 400 bed orphanage in a third world country. A benefactor of the orphanage is willing to support a preventive health initiative. At the next meeting you are asked to discuss whether a rotavirus vaccination program would be helpful for this NGO orphanage. You compose a well built clinical question and find the following article.

What will you tell the NGO Advisory Committee?

Reference

Ho AMH, Nelson EAS, Walker DG. Rotavirus vaccination for Hong Kong children: an economic evaluation from the Hong Kong Government perspective. Arch Dis Child 2008; 93:52-58.