



Applying Multi-Criteria Decision Analysis as an Evidence-Based Health Technology Assessment Methodology in Health Care Decision Making

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Abstract:

Health technology assessment (HTA) is a scientific field designed to establish tools for the acquisition, use or exchange of medical technologies. HTA is research based, practice-oriented evaluation of relevant available knowledge on both the direct and intended, as well as the indirect and unintended, consequences of health technologies, in the short and long term.

The main purpose of HTA is to inform technology-related policymaking in healthcare, and it is sometimes called 'the bridge between evidence and policy making'. HTA is conducted by interdisciplinary groups using explicit analytical frameworks drawing from a variety of methods.

Over the last decade, the need to assess the efficiency of a health technology has been strengthened, especially in hospitalization institutions, due to their limited resources and the continuous stream of innovative promising technologies arising on a daily basis. The importance of specific HTA in hospitals arises from the unique characteristics of the hospital environment – hospitals are the 'port of entry' of new technologies in the healthcare system.

Executives face the challenge of effectively adopting innovations with the need to improve rationality of decision-making, the urge to do so in a limited timeframe and with limited resources, while assuring an appropriate risk-benefit balance. The concept of an evaluation mechanism fosters a culture of targeted assessment that integrates scientific and local evidence, combined with practices and management decisions.

Biography:

Nermeen Ashoush is an Assistant Professor in Clinical Pharmacy Practice Department and Head of Health Economics Unit, Center for Drug Research and Development, The British University in Egypt. She earned her master's and doctorate degree in Clinical Pharmacy Practice from Ain Shams University, as well as she studied Health Economics and Outcomes Research, University



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She has several publications in prominent Clinical Pharmacy and Health Economics journals as well as authored a book in Market Access, Pharmaceutical Pricing and Healthcare Costs. She has been an invited speaker to several workshops in Health Economics and Outcome Research all over Egypt, as well as, speaker in several International Conferences. She is a member in the Leadership Group of special interest groups (biosimilars, oncology and nutrieconomics) at the International Society for Pharmacoeconomics and Outcome Research (ISPOR) and reviewer for Value in Health Journal.

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