

ISBN : 978-93-94293-68-7

E-PROCEEDINGS OF A ONE DAY INTERNATIONAL SEMINAR ON “NEW PARADIGMS IN HEALTH ECONOMICS”

December 11, 2025



DEPARTMENT OF ECONOMICS AND RESEARCH CENTRE
ADITANAR COLLEGE OF ARTS AND SCIENCE

(Re-Accredited in the Fourth Cycle with 'A' Grade by NAAC)
Virapandianpatnam - 628216, Tiruchendur
Tamilnadu, India
www.aditanarcollege.in



Proceedings of
A One day International Seminar on
“NEW PARADIGMS IN HEALTH ECONOMICS”

11th December 2025

ISBN: 978-93-94293-68-7



ORGANIZED BY

DEPARTMENT OF ECONOMICS AND RESEARCH CENTRE

ADITANAR COLLEGE OF ARTS AND SCIENCE
(Re-accredited in the Fourth Cycle with 'A' Grade by NAAC)
Virapandianpatnam- 628216, Tiruchendur
Tamil Nadu, India
www.aditanarcollege.com

**Proceedings of A One Day International Seminar on
"NEW PARADIGMS IN HEALTH ECONOMICS"**

11th December 2025

Edition : December 2025
ISBN : 978-93-94293-68-7
Editors : Dr. M. Ganesan
Dr. C. Sivamurugan
Mrs. M. Uma Jayanthi
Mrs. B. Priyadharshini
Copyright : Department of Economics and Research Centre
Aditanar College of Arts and Science
Virapandianpatnam- 628216, Tiruchendur
Publisher : INDIAN ACADEMIC RESEARCHERS ASSOCIATION
TIRUCHIRAPALLI-620021, TAMILNADU, INDIA
www.iaraindia.com

COPYRIGHT NOTICE

Written permission must be obtained from Department of Economics and Research Centre, Aditanar College of Arts and Science, Tiruchendur as copyright holder, prior to the reproduction of any part of this publication in any form or by means, electronic or mechanical including photocopying, recording or any information storage and retrieval system.



DISCLAIMER

The views and opinions presented in the research papers/articles published in the e-proceedings of a One Day International Seminar on "NEW PARADIGMS IN HEALTH ECONOMICS" organized by the Department of Economics and Research Centre, Aditanar College, Tiruchendur are solely attributable to the authors of the respective contributions. If these are contradictory to any particular person or entity, the Department of Economics and Research Centre, Aditanar College shall not be liable for the present opinions, inadequacy of information any mistakes or inaccuracies.

19	A Study on Economic Evaluation of Healthcare Programmes Shareef Te Dr. V. Bala Ruby	98-102
20	A Study on Catastrophic Health Spending and Its Impact on Family Welfare Dr. Shirley O.Y.	103-108
21	Environmental Effects on Health: The Role of Sustainable Environmental Management Mrs. B. Priyadharshini Dr. C. Sivamurugan	109-118
22	An Economic Study on The Health Status of Working Women in Tirunelveli District Sudha C Dr. S. Sarasudevi	119-124
23	Health Care Delivery and Communicable Disease Control Dr. R. L. Poonguzha	125-133
24	Health Education and Nutritional policy Dr. M. Ganesan Chelladurai P	134-138
25	Growth of Health Insurance In India Dr. J. Mary Edal	139-143
26	Health Issues in Rural and Urban India Dr. N. Nagaraajan	144-149
27	Financial Preparedness for Healthcare: Perceptions and Realities in Tamilnadu with Reference to Thoothukudi District Dr. E. Maheswari Dr. A. Theivasakthi Priya	150-155
28	Food Safety and Consumer Rights: Bridging the Gap Between Regulations and Implementation Mr. R. Vinothkumar	156-161
29	Changing Trends in Child Nutrition and Well-Being in India Dr. M. Radhika Dr. R. Thiruppathi	162-168
30	Economic Entomology: A Professional Analysis of Agricultural Vulnerability and Human Health Economics M Arthi S Lingathurai	169-173
31	Health Economics and Health Policies in India Dr. S. Mallika	174-181
32	Economic Stability Perceptions Among Keralites in Gulf Countries: A Comparative Study of Saudi Arabia and Oman Shemeem K.H. Dr. V. Bala Ruby	182-187
33	Re-Imagining Health Economics: Emerging Paradigms for the 21st Century Dr. P. Srino Fernandez	188-193
34	A Study on Health Financing and Equity: Foundations for Building Fair Health Systems Akhtarul Aman. C. H Dr. V. Bala Ruby	194-197
35	Impact of Digital Education on The Demand And Supply of Skilled Labour In The Modern Job Market Dr. P. Aravind Perumal Dr. M. Petchi Ammal	198-203
36	The Economic Impacts of Communicable and Non-Communicable Diseases on Healthcare Systems in Tamil Nadu Dr. S. Lingathurai S. Maha Lakshmi	204-210

A Study on Economic Evaluation of Healthcare Programmes

¹Shareef Te ²Dr. V. Bala Ruby

¹Ph.D Research Scholar, Vels Institute of Science,
Technology and Advanced Studies, Pallavaram, Chennai

²Research Supervisor & Assistant Professor, Department of Economics,
Vels Institute of Science, Technology and Advanced Studies, Pallavaram, Chennai

Abstract

Economic evaluation in healthcare is a systematic approach to assess the costs and outcomes of health interventions, providing evidence to guide optimal resource allocation, especially in low- and middle-income countries (LMICs) with limited budgets. This overview examines the primary methods of economic evaluation — cost-minimization analysis (CMA), cost-effectiveness analysis (CEA), cost-utility analysis (CUA), and cost-benefit analysis (CBA) — highlighting their applications, strengths, and limitations. Using secondary data from published studies, national surveys, and programmatic reports, the analysis demonstrates how these methods can inform decision-making for preventive, curative, and public health programmes. Economic evaluation metrics, such as incremental cost-effectiveness ratio (ICER), quality-adjusted life years (QALY), net benefit, and benefit-cost ratio (BCR), provide a quantitative basis for comparing interventions and prioritizing resource allocation. This overview emphasizes the importance of integrating economic evaluation into health policy and planning to ensure efficiency, equity, and sustainability. By systematically comparing interventions, policymakers can maximize health outcomes, reduce financial risk for vulnerable populations, and support human capital development. Ultimately, economic evaluation serves as a critical tool to strengthen healthcare systems and guide evidence-based decision-making, contributing to socio-economic development and improved population health.

Keywords: Economic evaluation, Cost-effectiveness, Health programmes, Resource allocation, QALY.

Introduction

Economic evaluation in healthcare is a systematic approach to assess the costs and consequences of health interventions to guide optimal resource allocation. With growing healthcare demands and limited budgets, especially in developing countries, policymakers face the challenge of maximizing health outcomes efficiently. Economic evaluation provides a framework to compare alternative programmes — curative, preventive, or public health interventions — in terms of both financial cost and health impact. It includes four main methods namely Cost-Minimization Analysis (CMA) (compares costs when outcomes are identical), Cost-Effectiveness Analysis (CEA) (evaluates costs per unit of natural outcome (e.g., life-years saved), Cost-Utility Analysis (CUA) (incorporates patient preferences via quality-adjusted life years) (QALYs) and Cost-Benefit Analysis (CBA) (monetizes both costs and benefits to assess net economic gains). These methods help decision-makers allocate scarce resources, identify high-value interventions, and ensure sustainability and equity in health service delivery.