

FUNDAMENTALS OF HEALTH TECHNOLOGY ASSESSMENT

COURSE PROGRAM



IECSEDUCACIÓN
INSTITUTO DE EFECTIVIDAD
CLÍNICA Y SANITARIA

Our comprehensive online course on the Fundamentals of Health Technology Assessment (HTA), is designed to equip professionals with essential knowledge and skills in this critical field. Economic evaluation plays a crucial role in healthcare decision-making. It aids in comparing costs, benefits, and outcomes, utilizing economic evidence to inform better decisions.

In this program, you will understand the process and structure of economic evaluation and see how it is applied in Health Technology Assessment.

This 8-module course offers a deep dive into the principles, methodologies, and applications of HTA, and economic evaluations, providing a solid foundation for those who are beginning in research in HTA and for who need to make informed health resource allocation decisions.

Fundamentals of HTA course offers an interactive and engaging learning experience through videos, self-correcting activities, and real-world case studies.

Course objectives

By the end of this course, you will be able to:

- Exhibit a comprehensive understanding of the core principles and processes of Health Technology Assessment (HTA).
- Demonstrate proficiency in the use of assessment tools commonly employed in HTA.
- Achieve basic knowledge in assessment of evidence quality using GRADE approach.
- Articulate the process and structure of economic evaluation within the context of HTA.

Who Is This Course For?

This course is designed for professionals in the healthcare sector who seek to deepen their knowledge and understanding of Health Technology Assessment and economic evaluations.

Participants will learn various methods and processes of analysis and develop technical skills essential for effectively utilizing HTA in their respective roles.

Course Syllabus & Schedule

Module 1: Introduction to HTA and Value Frameworks. Oct 21 2024

Gain a thorough understanding of HTA principles, definitions, and components.
Explore the connection between HTA and health resource allocation decision-making.
Learn about international HTA methods and deliberative processes.

Module 2: Developing and Applying HTA. Nov 4 2024

Master the main good practice principles in HTA.
Learn to formulate a topic using the PICOS framework (Population, Intervention, Comparators, Outcomes, Study type).
Draft the scope of an HTA topic and prepare a summary report.

Module 3: Methods to Assess Efficacy and Safety in HTA. Nov 18 2024

Understand various study designs and types of bias.
Gain knowledge of critical appraisal principles for effectiveness studies.
Explore advanced topics such as network meta-analysis (NMA) and the use of non-trial data in HTA.

Module 4: Core Statistical Concepts and Study Design for HTA. Dec 2 2024

Interpret main study results and effect measures (e.g., RR, OR, HR).
Grasp concepts like confidence intervals, clinical significance, and statistical significance.
Learn to summarize and report study results effectively.

Module 5: Assessing Evidence Quality in HTA. Dec 16 2024

Understand the importance of evidence quality assessment.
Learn about different evidence quality ratings and the GRADE system.
Explore domains for evaluation and factors for upgrading evidence quality.

Break

Module 6 & 7: Health Economics. Jan 6 2025

Delve into the economic aspects of HTA in two dedicated modules.
Gain insights into the economic evaluation of health technologies and their implications.

Module 8: Application and Implementation of HTA. Feb 3 2025

Apply HTA reports in developing Clinical Practice Guidelines and Health Benefit Packages.
Learn to communicate effectively with stakeholders and manage HTA projects.
Assess the relevance of HTA reports and explore experiences from HTA agencies.

Course Dynamics

The course is entirely virtual, through the campus of the Institute for [Clinical Effectiveness and Health Policy](#)

The program consists of 8 modules encompassing two weeks each module with content delivered through videos, mandatory readings, and complementary materials.

Each module includes an activity guide, discussion case, and an self-evaluation questionnaire. Additionally, a forum is open throughout the course for consultation, discussion, and debate on the topics covered.

Throughout the course, there are four scheduled synchronous meetings to engage with peers and tutors, ask questions about class content, and develop an integrative group activity. The course features tutors who guide the participants through the activities, fostering interaction and debate among them.

To pass the course, participants must successfully complete 80% of the evaluation questionnaires provided in each module.

Course directors

[Prof Dr Andres Pichon Riviere](#)

[Prof Dr Federico Augustovski](#)