

INSTITUTO de
EFFECTIVIDAD
CLÍNICA Y
SANITARIA



2009

**HEALTH TECHNOLOGY ASSESSMENT
E-LEARNING COURSE**

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HEALTH TECHNOLOGY ASSESSMENT

E-LEARNING COURSE

The speed in the emergence and introduction of new technologies, the variability in the styles of clinical practice and in the use of health resources, which are not always based on adequate evidence of usefulness, and rising medical costs make decisions on the proper use and coverage of health technology more complex.

In this course, with practical focus, you will acquire the knowledge and tools necessary to carry out, interpret, plan and implement health technology and economic assessments for decision-making in health.

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Teaching Coordinators: Analía López - Sebastián García Martí

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This course is being developed with the support of a Global Health Leadership Award from the Global Health Research Initiative. This initiative is an interagency partnership composed of the Canadian International Development Agency (CIDA), the Canadian Institutes for Health Research (CIHR), Health Canada, and the International Development Research Centre (IDRC).

This course is part of the project: “Improving Equity and Efficiency of Health Systems in Latin America: Bridging Research and Policy in Health Resource Allocation by Strengthening Capacity and Application of Health Technology Assessment and Economic Evaluations”. This four year project, aimed to promote HTA in Latin-America, includes the performance of a multi-country HTA research project in Argentina, Bolivia, Chile and Peru and the development of a distance learning course in HTA aimed to Latin American researchers and decision makers.

The project counts with the support of the following institutions:

University of Montreal - University of Ottawa - Canadian Agency for Drugs and Technologies in Health (CADTH) - Agence d'Évaluation des Technologies et des Modes d'Intervention en Santé (AETMIS) - International Network of Agencies for Health Technology Assessment (INAHTA) - INCLEN Trust (International Clinical Epidemiology Network) - LatinCLEN (Latin American branch of INCLEN Trust) - School of Public Health , University of Buenos Aires

Directed To

- Health professionals (doctors, administrators / managers, accountants, nurses, pharmacists, lawyers, epidemiologists, biochemical and others);
- That develop clinical activities, management, planning and audit, ministries, secretariats, regulatory agencies and other health units, medical directions, private health systems, social security and health technology producers;

Interested in acquiring the tools and skills to enable them to:

- Conduct, interpret, plan and implement health technology assessment reports in their areas of competence.
- Interpret efficiency, effectiveness, safety and cost-effectiveness of drugs, devices, procedures, diagnostic techniques and other health technologies.
- Improve the decision-making process concerning utilization, planning, purchasing, coverage, distribution and / or reimbursement of health technologies, therapeutic forms, coverage plans and other decisions involving health resource allocation.

Objectives

At the end of the course students will have acquired the knowledge and tools to enable them:

- Develop a Health Technology Assessment Report.
- Read and interpret a Health Technology Assessment Report
- Develop a critical perspective that allows them to contribute to decision-making in health in their professional setting.

Specific objectives

At the end of the course students will have acquired the knowledge and tools to enable them:

- Understand the process of developing a HTA report
- Understand how the information provided by an HTA affects decision-making in health.
- Set priorities for health technology assessment.
- Incorporate and exercise the methodology to obtain adequate information and develop effective searches.
- Conduct a critical reading of an HTA report and a critical reading of diagnostic and treatment studies.
- Understand the barriers that exist for the implementation of HTA reports.
- Knowing the major institutions that work in HTA in Latin-America and the world.

Contents

Module 1. General concepts

1. Introduction. Definitions. History of HTA
2. Decision making in health systems. How HTA is used in health systems (cost of opportunity, rationing, innovation, barriers)

Module 2. Method I

3. Steps in developing an HTA report
4. Workshop: Development HTA report
5. Introduction to evidence-based medicine
6. Finding the best information I (Bibliographic Databases)
7. Finding the best information II (Other sources)
8. Finding the best information III Workshop

Module 3. Method II

9. Determination of the effects of interventions on health (general)
10. Determination of the effects of interventions on health II (randomized controlled

clinical trials)

11. Determination of the effects of interventions in health III (Other studies)

Module 4. Method III.

12. Determination of the effects of interventions in health IV (Systematic reviews)

13. Determination of the effects of interventions in health V (Diagnostic studies)

Module 5. Method IV. Economic evaluation and HTA

14. HTA and economic evaluations I

15. HTA and economic evaluations II

16. Critical appraisal of economic evaluations.

17. Workshop: Development HTA report II

Module 6. Applicability of HTA

18. Allocation of health resources. Ethical, social and legal aspects of HTA

19. Barriers to use and develop HTA

20. Workshop: Development HTA report III

21. Dissemination of the results of HTA and impact assessment

22. Clinical Practice Guidelines

23. HTA in Americas and the world.

Duration/Hours

Duration: 24 weeks

Hours: 250 hours

6 hours per week reading of mandatory articles and classes
4-5 hours per week to solve activities and supplementary reading

Characteristics of the course

Completely distance e-learning mode

Highly interactive distance learning platform

Personalized tutoring in Spanish and Portuguese

23 weekly sessions

Classes developed in PDF and Flash. Classes in Spanish and Portuguese.

Each class will be accompanied by additional readings and Web sites for additional information

Interviews of HTA leaders

Weekly forum for discussion of the topic of study for that week.

Evaluation

Participation in weekly forums

Weekly activities assessment questionnaire

Assets to be developed for each module

Active development of a final HTA report

MORE INFORMATION

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