

HTAi Bilbao 2012

# HTA CAPACITY BUILDING IN DEVELOPING COUNTRIES- EXPLORATION OF DIFFERENT MODELS

## ONLINE TEACHING/LEARNING

*Prof Andrés Pichon-Riviere MD MSc PhD*

**IECS - Instituto de Efectividad Clínica y Sanitaria**  
*Institute for Clinical Effectiveness and Health Policy*



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INSTITUTO DE EFECTIVIDAD  
CLÍNICA Y SANITARIA

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## Knowledge Transfer Strategies in Latin America

# Distance learning and online capacity building programs for decision makers and HTA researchers

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# IECS Institute for Clinical Effectiveness and Health Policy

*IECS is an independent, non-profit organization, created by professionals from the medical and social sciences devoted to research, education and technical support with the main goal of improving efficiency, equity, and quality of health care systems and policies.*

- One of the main HTA Agencies in Latin America
- INAHTA member since 2005
- Argentine Cochrane Center
- Runs the Master Program in Clinical Effectiveness of the University of Buenos Aires



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2008-2012

### **Global Health Leadership Award**

*Global Health Research Initiative (GHRI): International Development Agency (CIDA) - Canadian Institutes of Health Research (CIHR) - Health Canada and the International Development Research Centre (IDRC).*

**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.*

### Specific Objectives

1. Build-up and coordinate a research team of investigators and policy-makers from Argentina, Bolivia, Chile and Peru in order to:
  - Select a health technology relevant to health policy in the participating countries
  - perform a multi-country Economic Evaluation
  - promote the use of the generated evidence into policy making in each country.
2. To develop and implement a **distance-learning course** in HTA/EE in Spanish for researchers and policy-makers, tailored to regional needs in order to develop research capacity and facilitate the use of HTA/EE in the region
3. Undertake a program of professional development



# Distance Learning Program on HTA and Economic Evaluations

Grant 2008-2012

## Global Health Leadership Award

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**INAHTA**

### INAHTA Advisory Board

**Dr. José Asua Batarrita - Spain**

**OSTEBA** - Basque Office for Health Technology Assessment,

**Dr. Juan Antonio Blasco Amaro - Spain**

**UETS** - Unidad de Evaluación de Tecnologías Sanitarias – España

**Alicia Framarin - Canada**

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**CAHTA** - Catalan Agency for Health Technology Assessment and Research

**Dra. Adriana Velásquez- México**

**CENETEC** - Centro Nacional de Excelencia Tecnológica en Salud, México



## 3 Programs

1. **HTA Diploma (one year, 300 hours)**
2. **Introduction to HTA (10 weeks) for researchers and decision makers**
3. **Health Economic Evaluation Methods Diploma: decision trees and Markov Models (one year, 300 hours)**

**Languages: Spanish and Portuguese**

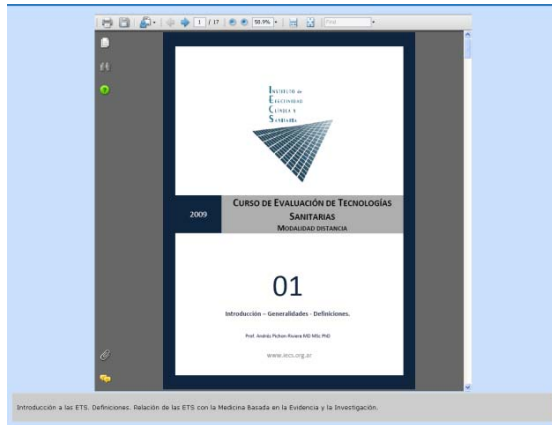


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# Distance-learning course in Health Technology Assessment and Economic Evaluation for researchers and policy-makers,

## Moodle Platform



15-25 pages in pdf



Narrated power point presentation (flash)



Exercises and questionnaire



Satisfaction survey



Video Interview



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## What we learned over these years?

- **Time:** E-learning education programs also require students many hours of dedication
- **Institutional support:** students need protected time to devote to the education program.
- **Tutoring:** is a key factor, and expensive for the course budget
- **Interest:** mix in the same course students with different backgrounds and interests can be problematic (eg researchers and decision makers)
- **Face to face meetings:** in some cases there are goals that can not be achieved only with a distance learning course
- **Customization:** sometimes it is necessary to adequately meet the educational needs of the institutions



## Three examples of cases where it was necessary to customize our education programs to meet specific needs

- MERCOSUR project, funded by ANVIS, for the training of 40 officials from the Ministries of Health of Argentina, Brazil, Paraguay and Uruguay.
- ANVISA and MoH. Practical training in HEE methods while working on the preparation of HEE documents necessary to decision making:
  1. Cost-Effectiveness of Trastuzumab in breast cancer
  2. Cost-effectiveness of obesity surgery
  3. Cost-effectiveness of HIV screening in blood banks by NAT
  4. Cost-effectiveness of new insulins in Diabetes
  5. Cost-effectiveness of biologics in RA
  6. Cost-effectiveness of anticoagulation in unstable angina
- 2011 project with the Ministry of Health of Brazil to train 80 officials from different cities of Brazil in HTA methods through a e-learning program of one year. The aim was that as part of the program the students would produce an HTA report useful to their workplaces.



## Upcoming programs to develop:

- Markov models in Excel
- Probabilistic sensitivity analysis
- Transmission models



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# Thank you!

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