



Chair

Prof. dr. Jet Smit
(UMC Utrecht)

Date

Thursday, November 11th, 2010
8:30-11:30 am

Program

- 8:30 Introduction of DYNAMO-HIA tool (aims of the tool, description of tool, data needed, and outcome measures)
- 9:00 Demonstration of the tool
- 9:15 Presentation of selected example applications
- 10:00 Hands on training

Practical issues

Attendees are asked to bring their own laptop. DYNAMO-HIA will be installed on this computer at the beginning of the teaching seminar and the copy can be kept for future use. To ensure smooth operation of DYNAMO-HIA, your computer should have at least Windows XP installed.

Registration:

www.eupha.org
(pre-conference program)

DYNAMO-HIA training seminar

What are the population health consequences of increased alcohol consumption due to lowering taxes? What would be the health gain if smoking could be completely eradicated? DYNAMO-HIA is a new stand alone software tool to assist in the quantification of the health impact of policies. DYNAMO-HIA is completely controlled via a graphical user interface and requires only basic computer literacy.

About DYNAMO-HIA

DYNAMO-HIA quantifies the impact of user-specified risk-factor changes - due to policy or interventions - on various and multiple diseases and in turn on overall population health, clearly comparing one reference scenario with one or more intervention scenarios. Using a Markov-based modelling approach that allows for explicit risk-factor states, it dynamically simulates a real-life population. A built-in parameter estimation module ensures that only standard epidemiological evidence on the population level, i.e. data on incidence, prevalence, relative risks, and mortality is required. DYNAMO-HIA provides a rich output of summary measures - such as life expectancy and disease-free life expectancy - and detailed data - such as mortality/survival rates and prevalence numbers - by age, sex, and risk-factor status over time. DYNAMO-HIA is completely controlled via a graphical user interface and will be made publicly available from the internet ensuring general accessibility.

The tool includes data for three life-style related health-determinants (smoking, overweight and alcohol consumption) and resulting diseases (several cancer, Ischemic heart disease, stroke, diabetes and chronic obstructive pulmonary disease (COPD)) for a large number of EU countries. New data can be easily integrated with the existing software. The tool will be made publicly available at the EUPHA conference in Amsterdam, November 2010.

Target audience:

Public health officials, decision makers and epidemiologist with interest in quantification of the population health impact of interventions and policies. DYNAMO-HIA has a graphic user interface that allows straightforward handling of the software by users. Therefore no knowledge of a programming language is required. Also persons interested in the topic but having no modelling experience are invited to attend the training. Participation to this pre-conference is possible, regardless of participation in the EUPHA conference.

Specific aims are:

1. To introduce DYNAMO-HIA to future users of the tool
2. To illustrate the tool by presenting selected example applications
3. To give hands on training in using the tool

DYNAMO-HIA

DYNAMO-HIA is funded by the Executive Agency for Health and Consumers (EAHC, formerly known as PHEA) as part of the EU Public Health Program 2003-2008 of the European Commission's Directorate General for Health and Consumer Affairs (DG SANCO), with co-financing from

- Erasmus Medical Center Rotterdam
- Institute of Public Health and the Environment in the Netherlands
- Catalan Institute of Oncology
- International Obesity Task Force
- London School for Hygiene and Tropical Medicine
- Haughton Institute in Dublin
- Istituto Tumori in Milan

A *consortium meeting* May 23, 2008, Rotterdam, the Netherlands discussed the model specification. The meeting consisted of 34 participants from 19 countries being experts in the field of health modeling, HIA, and epidemiology.

Website for detailed information

www.dynamo-hia.eu

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