Organization

Istituto Superiore di Sanità,
Rome, Italy

Scientific Board

Riccardo Capocaccia, Roberta De Angelis,
Silvia Francisci, Arduino Verdecchia

Schedule

October 19-21, 2005
Availability: 20 participants
Registration within July 29, 2005

Venue

Istituto Superiore di Sanità,
Viale Regina Elena, 299
00162, Roma
ITALY

Information and Registration

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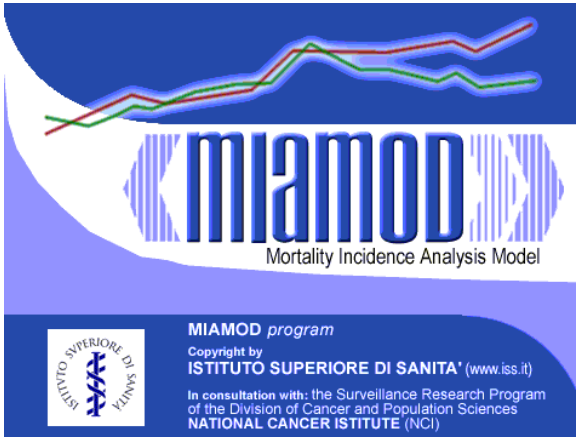
Costs

Participation is free of charge
No coverage for travel or board

Istituto Superiore di Sanità



Introduction to MIAMOD and PIAMOD packages

October 19-21, 2005

Introduction to MIAMOD and PIAMOD packages

Methods and instruments for estimating incidence and prevalence from Cancer Registry data

October 19-21, 2005

Rome – ITALY

Participants

The course is addressed to epidemiologist and statisticians dealing with population-based Cancer Registry data

Rationale and Goals

Continuous monitoring of cancer burden indicators, such as mortality, incidence and prevalence is important to evaluate progresses and define new control programs. Usually incidence data are provided by population based Cancer Registries covering only a fraction of the national population. The statistical models proposed in this course allow to estimate cancer incidence and prevalence both at regional and national level.

The aims of the course are :

i) to give a general overview of the statistical methods implemented by the software MIAMOD and PIAMOD for estimating cancer morbidity
ii) to introduce methods and programs for cancer survival modelling
iii) to enable participants to produce incidence and prevalence estimates by using MIAMOD/PIAMOD software

Course Topics

Indirect estimates of cancer incidence and prevalence: back-calculation method (MIAMOD)

Direct estimates of cancer incidence and prevalence: forward method (PIAMOD)

The MIAMOD/PIAMOD softwares: features and use of the Windows graphical interface

Modelling cancer patients' survival: parametric mixed models with cure

Preparation of input data needed for the analysis and set-up of the interface.

Regression strategies and goodness of fit

Validation of the results: sensitivity to different survival scenarios, comparison with external independent data

Performing specific output: life-tables, cumulative risks, projections, and decomposition of prevalence by time since diagnosis