



**DI EP / Lazio**

Dipartimento di Epidemiologia del Servizio Sanitario Regionale - Regione Lazio

## Workshop

# "Challenges for epidemiology in the context of the National Health Service"

Rome, **October 15<sup>th</sup> – 16<sup>th</sup>**, 2012

Auditorium del **MAXXI** - Via Guido Reni, 4A

**1<sup>st</sup> day** Monday, **October 15<sup>th</sup> 2012**

- 08:30 Welcome
- 09:00 **Introduction**
- 09:00 Overview of the activities of the Department of Epidemiology  
*Marina Davoli*
- 09:45 Establishment of the advisory group and presentation of its members  
*Marina Davoli, members of the Advisory Board (AB)*
- 10:30 Coffee Break
- 11:00 **Session 1: Exposure Assessment**  
Chair: *Giulia Cesaroni*
- 11:00 The use of satellite data for environmental exposure assessment in epidemiological studies. Case studies from a European project: urban heat islands and forest fires  
*Francesca de' Donato*
- 11:15 Risk of re-fracture in elderly patients with prescribed bisphosphonates  
*Chiara Sorge*
- 11:30 Exposure to traffic air pollution in a case-control study on childhood cancer  
*Chiara Badaloni*
- 11:45 Discussion guided by *Jordi Sunyer, Jeremy Rassen*  
Rapporteur: *Silvia Narduzzi*
- 12:15 **Session 2: Study design I**  
Chair: *Paola Michelozzi*
- 12:15 Building a framework for integrated use of health information system and clinical data in epidemiology  
*Riccardo Di Domenicantonio*
- 12:30 The study of the association between environmental exposure and preterm birth: design and methodological aspects  
*Patrizia Schifano, Xavier Basagana*
- 12:45 Risk adjustment using administrative and clinical data: model comparison  
*Paola Colais*
- 13:00 Discussion guided by *Paul Aylin, Joel Schwartz*  
Rapporteur: *Federica Asta*
- 13:30 Lunch
- 14:30 **Session 3: Study design II**  
Chair: *Nera Agabiti*
- 14:30 Design and analysis strategies to assess the effectiveness of long-term drug therapies  
*Mirko Di Martino*
- 14:45 Population cohort study to evaluate the health effects of environmental and occupational exposures  
*Francesca Mataloni*
- 15:00 Potentials of birth cohort studies  
*Daniela Porta*
- 15:15 Discussion guided by *Neil Pearce, Jeremy Rassen*  
Rapporteur: *Silvia Cascini*
- 15:45 Coffee Break
- 16:15 **Session 4: Analysis**  
Chair: *Massimo Arcà*
- 16:15 Geographical and temporal heterogeneity in the effects of temperature on mortality:  
Flexible modelling of temperature-health associations  
*Antonio Gasparrini*  
Results from multicenter studies  
*Michela Leone*

16:45 Matching methods for estimating causal effects

*Danilo Fusco*

17:00 Evaluating the short-term effects of PM2.5 and Saharan dust in Mediterranean cities

*Massimo Stafoggia*

17:15 Discussion guided by *Neil Pearce, Joel Schwartz*

Rapporteur: *Valeria Belleudi*

17:45 Closure of the 1st day

## **2<sup>nd</sup> day** Tuesday, **October 16<sup>th</sup> 2012**

09:30 **Session 5:** Synthesis and communication of results

Chair: *Anna Maria Bargagli*

09:30 Volume of care and outcomes: synthesis of the available evidence

*Eliana Ferroni*

09:45 Health effects from contaminated sites

*Carla Ancona*

10:00 Evaluating health outcomes: the experience of a national evaluation programme

*Luigi Pinnarelli*

10:15 Discussion guided by *Mike Clarke, Jaume Marrugat*

Rapporteur: *Manuela De Sario*

10:45 Coffee Break

11:15 **Session 6:** From evidence to recommendation

Chair: *Laura Amato*

11:15 Providing evidence for health care decisions

*Silvia Pregno*

11:30 The health effects of nitrogen dioxide and the EU policy

*Francesco Forastiere*

11:45 Arsenic emergency in water supply in 91 municipalities of the Lazio region

*Daniela D'Ippoliti*

12:00 Discussion guided by *Josep M. Antó, Holger Schünemann*

Rapporteur: *Simona Vecchi*

12:30 **Session 7:** Education in Epidemiology

Chair: *Annunziata Faustini*

12:30 Education and knowledge exchange – challenges and perspectives

*Punam Mangtani, Ursula Kirchmayer*

13:00 Discussion

Rapporteur: *Claudia Marino*

13:30 Lunch

14:30 **Round table discussion:** Critical aspects, future developments

*AB members*

Chair: *Marina Davoli*

16:00 Closure of the workshop

The Department of Epidemiology (DEP) in Rome is a 30 year old institution within the National Health Service of the Lazio Region. The mission of the Department is to perform high quality epidemiological research in the field of environmental epidemiology, comparative effectiveness and outcome research. The aim is to provide the best available evidence to inform public health policies to reduce effects of environmental exposure and to improve health care quality.

The main feature of DEP is the joint presence of experts in both environmental and clinical epidemiology for a continuous exchange of experience and methods in the two areas, both facing the same challenge of measuring association and, when possible, establishing causality between exposure and outcome. Partnerships with clinicians, and regional or national institutions are necessary complements of our activity.

In our effort towards high quality research we believe that sharing ideas and methodologies with colleagues from different international institutions is vital. Although we are already involved in several national and international collaborations, the establishment of an international advisory board represents an additional attempt to liaise with this community in a more continuous and productive way.

### **Advisory Board:**

**Josep M. Antó**, Centre for Research in Environmental Epidemiology (CREAL), Barcelona, Spain

**Paul Aylin**, School of Public Health, Imperial College London, London, UK

**Mike Clarke**, Centre for Public Health, Queen's University, Belfast, Ireland

**Matt Hickmann**, School of Social & Community Medicine, University of Bristol, Bristol, UK

**Johan Mackenbach**, Department of Public Health, Erasmus University Rotterdam, Rotterdam, Netherlands

**Punam Mangtani**, London School of Hygiene and Tropical Medicine, London, UK

**Jaume Marrugat**, Institut Municipal d'Investigació Mèdica (IMIM), Barcelona, Spain

**Neil Pearce**, Dept. of Medical Statistics, London School of Hygiene and Tropical Medicine, London, UK

**Sebastian Schneeweiss**, Division of Pharmacoepidemiology and Pharmacoeconomics, Department of Medicine, Brigham and Women's Hospital & Harvard Medical School, Boston, USA

**Holger Schünemann**, Department of Clinical Epidemiology & Biostatistics, McMaster University, Hamilton, Canada

**Joel Schwartz**, Department of Environmental Health, Harvard School of Public Health, Boston, USA

**Jordi Sunyer**, Centre for Research in Environmental Epidemiology (CREAL), Barcelona, Spain



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