



PROGRAMME

DAY 1 Wednesday 16 January

9:30-10:30 *Poster Mounting*

11.00 - 11.30 **WELCOME ADDRESS**

Barbara Rath, Pasi Penttinen (ISIRV and ECDC meeting chairs):

11:30 - 13:00

Opening Session: Key Methodological Challenges (30 min each)

Mike Catchpole (ECDC): The need and use of Influenza risk assessments in EU

Katelijan Vandemaele (WHO): Pandemic Influenza Severity Assessment as a tool to guide public health decision-making globally

Danielle Iuliano (US CDC): Improving estimation of the global burden of influenza hospitalizations and mortality

13:00- 14:00 **Lunch**

14:00- 15:00 **Defining Challenges /Expectations**

Small group breakout sessions– each with a focus on 1 of 6 key topics

6 Key Topics

- 1 **Linking clinical research and surveillance**
- 2 **What happens outside the hospital?**
- 3 **Learning from “real-world” clinical and patient data**
- 4 **Predicting outcomes on the individual and population level**
- 5 **Advancing public health surveillance of severity**
- 6 **Surveillance of severity in low resource or crowded settings**

15:00 - 16:00 **Oral presentations by 6 young scientists on the 6 key topics**

(6 speakers, 5 min each 5 min discussion)

16:00 - 16:30 **Coffee Break**

16:30 - 18:00 Scientific Committee Members Reporting back on 6 key topics.
Panel discussion.

18:00 onwards **Poster Reception & Poster Presentations**

DAY 2 Thursday 17 January

8:30 - 10:00

Topic 1

Linking clinical research and surveillance networks

Chair: Gail Carson

(3 speakers, 20 min each, 10 min discussion)

1.1 Gail Carson (Univ Oxford, UK, ISARIC): Clinical research networks: recent advances

1.2 Benjamin Cowling (Univ Hong Kong; ISIRV): Transmission dynamics at the individual level with disease burden, severity and dynamics at the population level

1.3 TBC: Influenza disease severity in high-risk and transplant populations

10:00 – 10:30 Coffee Break + Poster Viewing

10:30 - 12:00

Topic 2

What happens outside the hospital?

Chair: Tim Uyeki

(3 speakers, 20 min each, 10 min discussion)

2.1 Tim Uyeki (US CDC): What are the gaps in current knowledge on influenza severity outside the hospital?

2.2 Jesus Castilla (Instituto de Salud Pública, Navarra): Detection of influenza and other respiratory viruses in deceased persons swabbed in funeral parlours, Navarra, Spain

2.3 TBC: Hideo Yasunaga (School of Public Health, The University of Tokyo, Japan): Criteria for hospitalization and procedure-based disease severity in Japan

12:00 - 12:30 Oral presentations on Topics 1 and 2 (2 speakers, 10 min each + 5 min discussion)

12:30 - 13:30 Lunch

13:30 - 15:00

Topic 3

Learning from individual clinical and patient-reported outcomes

Chair: Barbara Rath

(2 speakers, 20 min each, 10 min discussion)

3.1 Barbara Rath (ViVi, Germany/USA; ISIRV): Partnering for Enhanced Digital Surveillance of Influenza Disease and the Effect of Antivirals and Vaccines (PEDSIDEA)

3.2 Daniela Paolotti (ISI Foundation, Italy): Influenza and self-reporting: modelling challenges in participatory surveillance

3.3 TBC: Clinical Outcomes Assessment: measuring vaccine and drug effectiveness

15:00 - 15:30 Coffee Break + Poster Viewing

15:30 - 17:00

Topic 4

Predicting outcomes on the individual and population level

Chair: Yuelong Shu

(3 speakers, 20 min each, 10 min discussion)

4.1 Yuelong Shu (School of Public Health Shenzhen, China): Predicting disease severity using biomarkers

4.2 Matt Biggerstaff (US CDC): Forecasting influenza in the United States

4.3 Gideon Emukule (CDC Kenya): Burden of severe influenza disease in the context of competing priorities in Sub-Saharan Africa

17:00 - 17:30 Oral Presentations on Topics 3 (2 speakers, 10 min each + 5 min discussion)

08:30 - 10:00

Topic 5

Advancing Public Health Surveillance of Severity

Chair: Pasi Penttinen

(3 speakers, 20 min each, 10 min discussion)

5.1 Pasi Penttinen (ECDC): Surveillance of influenza severity in EU, (EuroMomo, iMove, ICU surveillance); lessons learnt and needs for the future

5.2 Carrie Reed (US CDC): Burden, Incidence and prescriptions: The CDC's approach to population-based severity assessment burden estimates

5.3 Cheryl Jones (Univ Melbourne, Australia): Assessing non-respiratory complications of influenza disease – the Australian PAEDS System

10:00 - 10:30

Coffee Break + Poster Viewing

10:30 - 12:00

Topic 6

Epidemiological Methods in Low Resource or Crowded Settings

Chair: Cheryl Cohen

(3 speakers, 20 min each, 10 min discussion)

6.1 Cheryl Cohen (National Institute for Communicable Diseases, South Africa): Conducting epidemiological research in underserved and vulnerable populations (incl. HIV/AIDS)

6.2 Ziad Memish (Prince Mohammed bin Abdulaziz Hospital, Saudi Arabia): Mass gatherings and the epidemiology of acute respiratory viral infections: an overview of the literature

6.3 TBC: Influenza surveillance in migrant and displaced populations

12:00 - 12:30

Oral Presentations on Topics 5 and 6

(2 speakers, 10 min each + 5 min discussion)

12:30 - 13:30

Closing Statements

Julia Fitzner (WHO): Take-away messages (30 mins)

Barbara Rath (ISIRV) & Pasi Penttinen (ECDC):

Needs Statement - Planning next steps incl. joint publications (30 mins)
