Day 1: 20 April 2023

Adult Immunization Board - Technical meeting:
Assessing the health burden of vaccine-preventable infections in European Adults: challenges and opportunities

Session 1: Welcome and meeting definition setting

- **Chairs:** Pierre Van Damme and Paolo Bonanni

  8:45 Welcome and introduction of Adult Immunization Board
  - Pierre Van Damme - University of Antwerp
  - Paolo Bonanni - University of Florence

  9:15 Short intro on what is health burden of disease (focus on VPIs)
  - Brecht Devleesschauwer - Lifestyle and chronic diseases - Department of Epidemiology and Public Health - Sciensano - Brussels

  9:35 Adult vaccine space: general overview of the current VPIs in the adult population
  - Joe Schmitt - University of Cologne - Cologne - Germany Global Health Press Singapore - Remote

  9:55 Discussion

Session 2: The methodology and challenges of computing the health burden of adult VPIs (focus on Europe)

  2.1 Burden of (vaccine-preventable) infectious disease studies
  - **Chairs:** Giovanni Gabutti and Ligita Jancoriene

  10:15 BCoDe study: results from the Burden of Communicable Diseases in Europe study - 2009-2013 / ECDC toolkit to calculate DALYs and the European Surveillance System TESSy
  - Mirjam Kretzschmar - National Institute for Public Health and the Environment - RIVM - Bilthoven

  10:35 Burden of infectious disease studies in Europe and the United Kingdom: a review of methodological design choices
  - Periklis Charalampous - Department of Public Health - Erasmus MC University Medical Center - Rotterdam

  10:55 Discussion

  11:15 Coffee

  11:35 BVPD study: The burden of vaccine preventable diseases in Australia
  - Tracy Dixon - Australian Institute of Health and Welfare - Remote

  11:50 ONBOIDS: Ontario Burden of Infectious Disease Study
  - Jeffrey C Kwong - ICES - Toronto - Public Health Ontario - Toronto - Dalla Lana School of Public Health University of Toronto - Remote

  12:05 Discussion

  12:25 Lunch
2.2 Health information systems and data sources:
Chairs: Robert Steffen and Birgit Weinberger
13:30 WHO Surveillance guidelines: A global comprehensive VPD surveillance strategy for the immunization agenda 2030  ▶ Anindya Bose - Department of Immunization - Vaccines & Biologicals (IVB) - WHO - Geneva
13:45 EU Data sources: European data sources for computing burden of (potential) VPD in ageing adults - VITAL working group  ▶ Alejandro Orrico Sánchez - Vaccines Research Department (AIV) - FISABIO - Valencia
14:00 Burden of disease studies in the WHO European Region & the European Burden of Disease Network (burden-eu)  ▶ Mark O’Donovan - University College Cork - Cork - Ireland
14:15 European Health Data Space (EHDS): EU health data collection and data safety: impact on the estimation of burden of VPIs  ▶ Dipak Kalra - European Institute for Innovation through Health Data (i~HD) - Ghent
14:30 Discussion
14:45 Coffee

2.3 What can we learn from the GBD study?
Chairs: Thomas Weinke and Helena Maltezou
15:05 Lessons from 30 years of large scale Global burden of disease (GBD) study  ▶ Tomislav Mestrovic - University of Washington’s Institute for Health Metrics and Evaluation (IHME) - Seattle - US
15:25 Discussion

Session 3: The epidemiology and health burden of selected adult VPIs  ▶ part 1
Chairs: Thomas Weinke and Helena Maltezou
3.1 Health Burden of VPI in a pandemic situation
15:35 COVID-19 example  ▶ Sara Monteiro Pires - European Burden of Disease Network National Food Institute - Technical University of Denmark - Kgs Lyngby - Denmark
15:50 Herpes zoster example  ▶ Hester E de Melker - National Institute for Public Health and the Environment - RIVM - Utrecht - The Netherlands
16:05 Herpes zoster example  ▶ Angela Bechini - University of Florence - Italy
16:20 RSV example  ▶ Xiao Li - Centre for Health Economics Research & Modelling Infectious Diseases - CHERMID - University of Antwerp - Belgium
16:35 RSV / Influenza example  ▶ Stefania Maggi - National Research Council-NI-Aging Branch - Padua - Italy
16:50 Discussion and closing day 1
Session 3: The epidemiology and health burden of selected adult VPIs • part 2

Chairs: Jacek Wysocki and Daphne Holt

3.3 Health Burden of VPI in younger adults
8:45 HPV example ▶ Paolo Bonanni - University of Florence

3.4 Health Burden of VPIs in travelers
9:00 Vaccine-Preventable Travel Health Risks: What Is the Evidence—What Are the Gaps? ▶ Robert Steffen - University of Zurich - Switzerland

3.5 Health Burden of VPIs in immunocompromised
9:15 Burden of VPIs in immunocompromised populations ▶ Per Ljungman - Karolinska University Hospital - Karolinska Comprehensive Cancer Center - Karolinska Institutet - Stockholm - Sweden
9:30 Discussion

Session 4: From theory to practice: how are health burden estimates used to recommend adult vaccines in national immunization programs in Europe

Chairs: Roman Chlibek and Heini Salo

9:45 Knowledge Translation and Burden of Disease, from theory to practice ▶ Ziad El-Khatib - Karolinska Institute - Stockholm - Sweden - Remote

10:05 The impact of the health burden in an archetype analysis of older adult immunization decision-making and implementation (focus on Europe) ▶ Lois Privor-Dumm - Johns Hopkins Bloomberg School of Public Health International Vaccine Access Center - Baltimore - US
10:25 Impact of the health burden on Vaccine market access pathways in the EU27 and the United Kingdom - analysis and recommendations for improvements ▶ Chiara Cadeddu - Section of Hygiene - University Department of Life Sciences and Public Health - Università Cattolica del Sacro Cuore - Rome - Italy

10:45 Discussion
11:00 Coffee

Examples of how health burden estimates are used to recommend adult vaccines in NIPs in Europe

- Chairs: Aparna Keegan and Odile Launay

11:20 Example NITAG (N-Europe): Finland
- Heini Salo - Finnish Institute for Health and Welfare - Finland

11:35 Example NITAG (C-Europe): Czech Republic
- Roman Chlibek - Department of Epidemiology - Vaccination Centre - Faculty of Military Health Sciences - University of Defence - Czech Republic

11:50 Example NITAG (W-Europe): Germany
- Thomas Weinke - Klinikum Ernst von Bergmann - Medizinische Klinik Gastroenterologie - Infektiologie - Pneumologie - Potsdam - Germany

12:05 Example NITAG (S-Europe): Greece ▶ Sotirios Tsiodras
University of Athens Med School 4th Dept of Medicine - Greece - Remote

12:20 Discussion
12:40 Lunch
13:30 Breakout Groups
14:15 Plenary feedback
- Chairs: Pierre Van Damme and Paolo Bonanni

14:45 Summary of the meeting ▶ Chloé Wyndham-Thomas (P95)
15:15 Discussion and closing of the meeting