

17th Vaccine Congress
25 September 2023
Jade Pattyn



Adult Immunization Board

A new platform to provide multidisciplinary guidelines for the implementation and optimization of adult immunization in Europe

Content of the presentation

- **From idea to concept**
- **AIB secretariat and AIB advisors**
- **AIB mission and objectives**
- **AIB workplan: (upcoming) meetings and activities**
 - AIB Kick-off meeting (Nov 2022)
 - AIB Technical (April 2023)
 - Country meeting (Dec 2023)

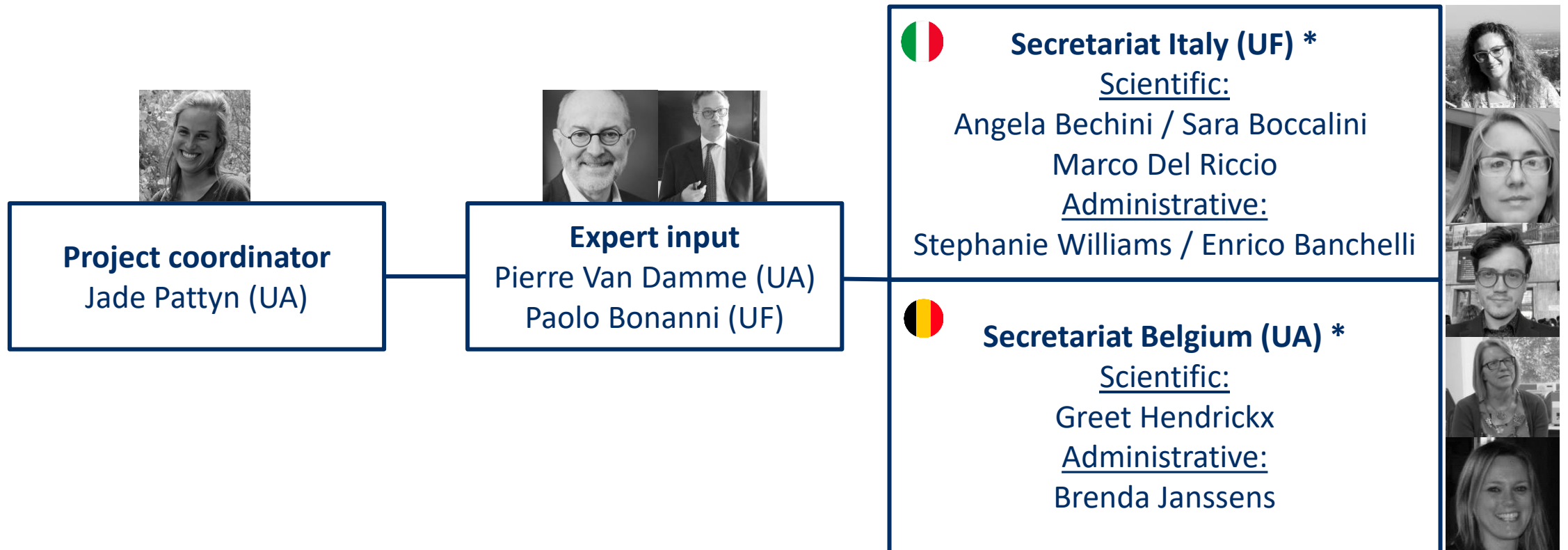
Adult Immunization Board: From idea to concept

- Vaccine programs are **evolving into lifelong strategies**, with various vaccines specifically indicated for adults.
- Several organizations, including universities, governments, (inter)national public health organizations and vaccine manufactures are currently **considering how adult immunization can be further improved to increase health impact and promote a lifelong approach to vaccination.**
- **No multidisciplinary, independent discussion platform focusing on this topic at the EU level.**
- Therefore, in 2022, a group of experts in the field of adult immunization established the **AIB**



The AIB has a permanent executive secretariat

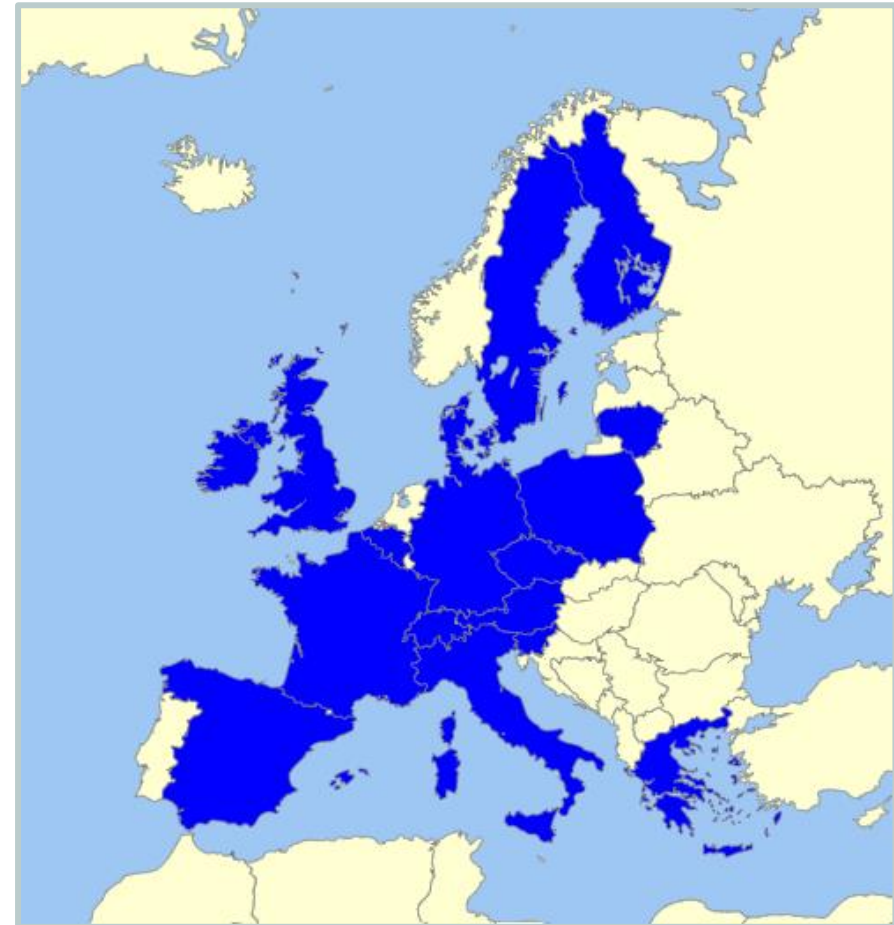
Collaboration between university of Antwerp (UA) and university of Florence (UF)



Adult Immunization Board - Advisors

Board members / Advisors

- Experts in different fields of adult immunization/representing different regions
 - *Expertise: Vaccinology, Infectious diseases, Immunology, Epidemiology, Vaccine technologies, Primary health care, Public health, Travel medicine, Vaccine Confidence Communication, Health economics, Aging*
 - *Characteristic: Engaged/ enthusiastic*
- Advisors act in their personal capacity
 - Provides open and honest discussions
- Advisors at AIB meetings are **not paid**



AIB advisors

- Independent, international, multidisciplinary group of +/- 20 advisors
- Provide scientific evidence-based reflection and guidance on strategic, technical and policy issues that will occur as we move forward in the implementation and optimization of adult immunization programs

International organizations



Niyazi Cakmak
(WHO EURO)



Daphne Holt
(CLCI)



International
Longevity Centre
(TBD)



Mariano Votta
(Active Citizen Ship)



ECDC
(TBD)

Public Health



Aparna Keegan
(Ireland)



Odile Launay
(France)



Giovanni Gabutti
(Italy)



Helena Maltezou
(Greece)



Heini Salo
(Finland)

AIB advisors

Academia / University



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(Poland)



Antoni Torres
(Spain)



Ligita Jancoriene
(Lithuania)



Heidi Larson
(Belgium / UK)



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Alojz Ihan
(Slovenia)



Paolo Bonanni
(Italy)



Javier Díez-Domingo
(Spain)

AIB - Mission and Objectives

- **AIB is established with the aim of contributing to the reduction of mortality and morbidity from vaccine-preventable infections and diseases in European adults.**
 - provide evidence-based guidance on fundamental technical and strategic issues
 - monitoring the progress of adult immunization programs at European and (sub)national levels.

AIB – Way of working: 2 meeting per year

- **1) Technical meeting**
 - to discuss specific technical aspect on adult immunization with subject-matter experts
- **2) Country meeting**
 - to discuss country specific aspects of adult immunization together with local experts
 - create a platform where people of the country involved in adult immunization can discuss and start future initiatives
- **Meeting on invitation only to keep group small -> guarantee interaction/ discussion**
- **The focus audience are policymakers, researchers, public health experts, HCP**

Differences with existing VHPB and HPV board



VHPB Board

- Disease specific
- Mostly EU-focussed
- Secretariat UA based
- Multisponsored unrestricted grants
- Since 1992

HPV Board

- Disease specific
- Global
- Secretariat UA based
- Multisponsored unrestricted grants
- Since 2015

Adult Immunization Board

- **Not** disease specific
- EU-focussed
- Secretariat UA and UF based
- Unrestricted grant Vaccines Europe
- Fresh collaboration: Since Nov 2022

(Upcoming) meetings / activities

- **In Nov 2022: Kick-off meeting**
- **In April 2023: first technical meeting on “Assessing the health burden of vaccine-preventable infections in European Adults”.**
- **In Dec 2023: first country meeting: Italy**
 - with local immunization experts to establish a collaborative network of national experts of different fields, creating a platform for the exchange of knowledge and best practices in adult immunization.



Meetings - Way of working



Meeting topics- countries
Objectives – meeting outcome

Literature –web review



Draft agenda

Potential speakers

Potential participants



Adult Immunization Board (AIB)

Technical meeting:

Assessing the health burden of vaccine-preventable infections in European Adults: challenges and opportunities

University of Antwerp (Belgium)

DRAFT

Please note that this is a preliminary draft of the AIB meeting objectives/ agenda

Preliminary Meeting Objectives:

- Provide an overview of current vaccine-preventable infections (VPIs) in the adult population (>18y)
- Discuss the methodology and challenges in computing the health burden of adult VPIs (focus on Europe)
- Understand how the health burden estimates of adult VPIs shape national vaccination policies and practices and inform public health priorities
- Evaluate the current VPIs health burden evidence to provide a convincing case for strengthening adult vaccination in Europe

Intended Impact:

Accurate information about the health burden of VPIs in adults is needed for several reasons:

- To understand the need and justification for consolidating actual and propose new adult vaccination programmes
- To measure the impact of adult vaccination programs on individual and population health, health systems, economic and social factors
- To collate the rationale to improve prevention / vaccination strategies for adult diseases (e.g. update or revise immunization schedules, implement targeted delivery strategies, etc.)
- To support health policy recommendations and priorities

The purpose of the first AIB technical meeting is to identify and discuss the challenges and opportunities when assessing the health burden of VPIs in European adults.

Target audience (≈ 60 participants):

The Adult Immunization Board will bring together European vaccinologists, epidemiologists, opinion leaders, policymakers, public health and health care professionals of different specialties, patient groups, professional medical and paramedical organizations. A diverse set of data will be presented and programs, strategies, successes and challenges will be discussed.

Potential topics for AIB technical meetings

Target general population		Target sub population
How to react to emergencies (COVID, Monkeypox) / lessons learned to coordinate research priorities / Lessons Learned from Emergency Response Vaccination Efforts	Pricing of adult vaccines: past, present and future – appropriate and sustainable funding and procurement systems	Off-label use of vaccines in (older) adults
Tailored vaccine services for adults: redesign delivery systems, which actors are involved // Vx delivery Vx non-clinical settings	Vaccine safety: which AE and side effects are known Detection, assessment, understanding and communication	Prevention of respiratory infections in older adults (influenza, pneumococci, COVID, RSV)
Healthy living, healthy ageing: Burden of VPD in European adults – what if we do nothing	Adult Immunization integrated into healthy living and healthy ageing policies	Risk communication and educational interventions to specific adult populations
Diphtheria, tetanus, pertussis: what is the current situation, where do we come from? What can we still do?	The strength of Immunization coverage targets like 75% for influenza	Vaccine equity in Europe / vaccines for underserved communities (incl migrants) / Equity within and among countries / Vaccines access within and among EU-countries
Influenza vaccination: what is the current situation, where do we come from? What can we still do?	Challenges and solutions to implement adult immunization / life course immunization	Vaccination in pregnant women
Vaccine efficiency data in adults – what are the gaps?	Immunosuppression and immuno-senescence // aging parameters of the immune system	Vaccination/ vaccine confidence of Health Care workers
Collection of epi-data / vaccine coverage data (Electronic vaccine registry) : what are the challenges/ barriers	Vaccine needs for (older) adults: prioritize action to adapt and recommend vaccines // New indications / adapted and new vaccines / new technologies and administration routes	Identification of the most appropriate target/s for adult vaccination efforts involves a complex trade-off between multiple factors, including vaccine efficacy, duration of protection, and the disease burden in different groups.
Immunization schedule: Heterogeneity amongst countries and within countries // can a European adult vaccination schedule help for more standardised policy and reduce the complexness // Who makes recommendations at EU level to include vaccines in national vaccination calendars for adults	European adult vaccine confidence and strategies	Pro's and con's of target vaccination campaigns (HepB)
What can we learn from adult travel vaccination for general adult vaccination	Overview of activities and lessons learnt of ESPID / need for an European Society for adult Immunization?	
Co-administration // bundling delivery // simplification of vaccination schedules	Durability of vaccine-induced immune response: annual / 10y immunisation cycle / boosters // annual adult immunisation programmes + needed infrastructure	
How to mirror success during the past 50 years with the Expanded Programme on Immunization for children	Mandatory adult vaccinations: scientific and ethical considerations	

Overview of current adult vaccines used in Europe (>18-years-old)

Vaccine	(Age-dependent) routine vaccines	Catch-up missed child/ adolescence vaccines	Individual risk-based vaccines (e.g., pregnancy, lifestyle, medical condition)	Travel-related vaccines	Occupational activity-related vaccines (e.g., HCW, CCW, people who work with animals, etc.) **
Anthrax			X		X
Cholera				X	
COVID-19	X		X	X	X
Dengue				X	
Ebola					X
Hepatitis A		X*	X	X	X
Hepatitis B		X	X	X	X
Hib			X		
HPV		X	X		
HZ	X		X		
S. Influenza	X		X	X	X
Pneumococcus	X	X	X		
JE				X	
MenACWY		X	X	X	
MenB		X	X	X	
MMR(V)		X			
Mpox			X		
Polio		X		X	
Rabies				X	X
RSV	X		X		
TB			X		X
TBE	X	X*	X	X	X
Tdap	X	X	X		
Typhoid fever				X	
Yellow fever				X	

Communication strategy / AIB output

- All meeting materials (slides + background document + conclusions) are published on the website
 - <https://www.adultimmunizationboard.org/>
- Summary meeting reports will be published in peer-reviewed journals
- LinkedIn page to report latest news
- Output will be presented at different networking activities (*ECCMID, WCPH, Vaccine congress ...*)

The image shows two screenshots of the Adult Immunization Board (AIB) website and its LinkedIn page. The top screenshot is the website's homepage, featuring a dark blue header with the text "Adult Immunization Board" and "By the University of Antwerp and University of Florence". Below the header, there is a section titled "Our mission:" followed by a paragraph of text and a photograph of a meeting. The bottom screenshot is the LinkedIn page for the AIB, showing the profile picture, name "Adult Immunization Board - AIB", and a brief description: "A platform to provide multidisciplinary guidelines for the implementation and optimization of adult immunization".

More information: www.adultimmunizationboard.org
adultimmunizationboard@uantwerpen.be

Thank you



A collaboration of



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of Antwerp