

# **Name: Paolo Bonanni**

**Country: Italy**

**Affiliation: Department of Health Sciences,  
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**Function: Full Professor, General and Applied  
Hygiene**

**Main expertise: Vaccinology, Vaccination  
strategies**

**Co-chair of the Adult Immunization Board**



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# Adult Immunization Board – Country meeting Portugal

Lisbon, November 25-26, 2025

Adult immunization in Portugal:  
lessons learned and the way forward

Session 1: Opening, Introduction and Objectives



*A collaboration of*



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University  
of Antwerp

# Introduction of the Adult Immunization Board

Paolo Bonanni (University of Florence)



*A collaboration of*



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**University  
of Antwerp**

# Adult Immunization Board: From idea to concept

Growing number and share  
of older people

Concerning low adult  
vaccination coverage

Barriers experienced during  
implementation of adult  
(COVID-19) vaccination

Increasing number of  
questions about adult  
immunization / life  
course immunization

...

*Need for an impact network for international and multidisciplinary reflection  
on adult immunization in Europe*



**Adult Immunization Board**

*Based on good experience with existing multidisciplinary advisory groups*



# AIB advisors

- **International, multidisciplinary group of 23 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, Vaccine policy*
- Advisors are **not paid** - act in **their personal capacity** → Provides open and honest discussions



Niyazi Cakmak  
(WHO EURO)



Daphne Holt  
(CLCI)



Mariano Votta  
(Active Citizenship  
Network)



Alojz Ihan  
(Slovenia)



Odile Launay  
(France)



Giovanni Gabutti  
(Italy)



Helena Maltezou  
(Greece)



Heini Salo  
(Finland)



Jacek Wysocki  
(Poland)



Antoni Torres  
(Spain)



Ligita Jancoriene  
(Lithuania)



Heidi Larson  
(Belgium / UK)



Per Ljungman  
(Sweden)



Robert Steffen  
(Switzerland)



Pierre Van Damme  
(Belgium)



Birgit Weinberger  
(Austria)



Sotirios Tsiodras  
(Greece)



Stefania Maggi  
(Italy)



Thomas Weinke  
(Germany)



Johan Flamaing  
(Belgium)



Roman Chlibek  
(Czech Republic)



Paolo Bonanni  
(Italy)

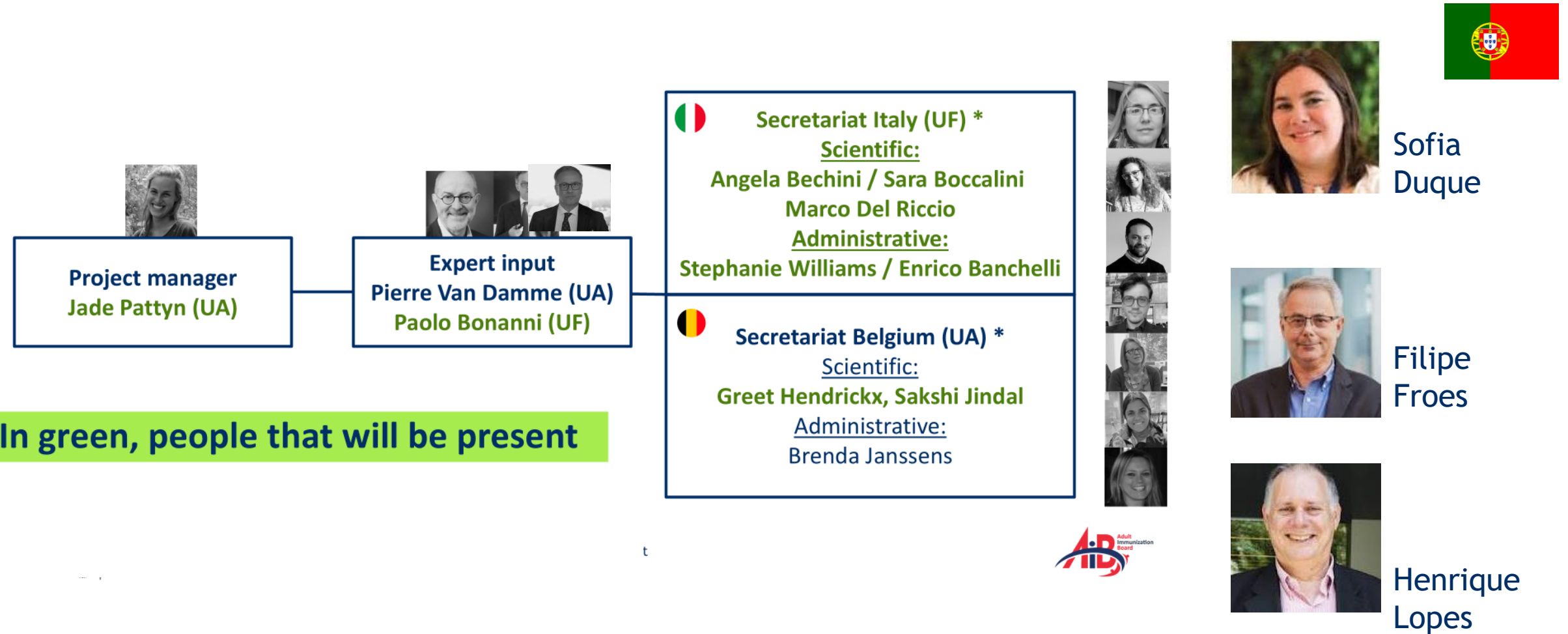


Javier Díez-Domingo  
(Spain)



# The AIB has a permanent executive management team

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



# 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**



# 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.

# (Upcoming) meetings / activities

Meeting	Date	Type	Topic	Location
Meeting 1	8 Nov 2022	Kick off AIB	“Proto-board” meeting to establish the basic structure and functions of the Board and to plan the agendas of future meetings	Antwerp
Meeting 2	20-21 April 2023	Technical	Assessing the health burden of vaccine-preventable infections in European Adults: challenges and opportunities	Antwerp
Meeting 3	6-7 Dec 2023	Country	Adult immunization in Italy: lessons learned and the way forward	Italy
Meeting 4	18-19 April 2024	Technical	Strategies for Introducing and Implementing Vaccines for adults into National Immunization Programs in Europe	Prague
Meeting 5	4-5 Dec 2024	Country	Adult immunization in Finland: lessons learned and the way forward	Helsinki
Meeting 6	7-8 May 2025	Technical	Advancing vaccination strategies for the older adults: insights into epidemiology, immunity, and implementation	Warsaw
Meeting 7	25-26 April 2025	Country	Adult immunization in Portugal: lessons learned and the way forward	Lisbon
Meeting 8	7-8 May 2026	Technical	TBD	Antwerp
Meeting 9	TBD 2026	Country	TBD	TBD

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<b>Meeting 6</b>	<b>7-8 May 2025</b>	<b>Technical</b>	<b>Advancing vaccination strategies for the older adults: insights into epidemiology, immunity, and implementation</b>	<b>Warsaw</b>
...				

# Technical meeting (20-21 April 2023, Antwerp)

## Assessing the health burden of vaccine-preventable infections in European Adults

### Meeting Objectives

- To provide an overview of current vaccine-preventable infections (VPIs) in the adult population ( $\geq 18$  years of age)
- To discuss the methodology and challenges in calculating the health burden (HB) of adult VPIs (focus on Europe)
- To understand how HB estimates of adult VPIs shape national vaccination policies & practices & inform public health priorities
- To evaluate current VPIs HB evidence to provide a convincing case for strengthening adult vaccination in Europe





# Technical meeting (20-21 April 2023, Antwerp)

## Assessing the health burden of vaccine-preventable infections in European Adults

- *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.*
- *All meeting presentations are available on our website:*

<https://www.adultimmunizationboard.org/meetings/technical-meeting-april-2023/>



### MEETING REPORT

## Assessing the health burden of vaccine-preventable infections in European adults: challenges and opportunities translated into action

Jade Pattyn<sup>1</sup>, Paolo Bonanni<sup>2</sup>, on behalf of the Adult Immunization Board working group<sup>3</sup>

1. Centre for the Evaluation of Vaccination, Vaccine and Infectious Disease Institute, University of Antwerp, Antwerp, Belgium

2. Department of Health Sciences, University of Florence, Florence, Italy

3. Members of the Adult Immunization Board working group are listed under Acknowledgements

Correspondence: Jade Pattyn (jade.pattyn@uantwerpen.be)

#### Citation style for this article:

Pattyn Jade, Bonanni Paolo, on behalf of the Adult Immunization Board working group. Assessing the health burden of vaccine-preventable infections in European adults: challenges and opportunities translated into action. Euro Surveill. 2023;28(48):pii=2300791. <https://doi.org/10.2807/1560-7917.ES.2023.28.48.2300791>

Article submitted on 15 Nov 2023 / accepted on 28 Nov 2023 / published on 30 Nov 2023

## AIB technical meeting (18-19 April 2024, Prague)

# Strategies for introducing and implementing vaccines for adults into National Immunization Programs in Europe: Exemplary Approaches and Key Insights

### Intended impact and target population:

- In light of the increasing implementation of adult vaccines within lifelong vaccination initiatives across several EU countries, the AIB aims to convene to **explore the latest strategies and valuable insights regarding the implementation of adult vaccines into National Immunization Programs.**
- Through this meeting, the AIB **seeks to gather diverse perspectives from various contexts, adult vaccines, and disciplines.**



Public Health & Policy

**Strategies for introducing and implementing vaccines for adults into national immunization programs in Europe: Good practices and key insights of the adult immunization board meeting**

Sara Boccacini, Angela Bechini, Marco Del Riccio, Birgit Weinberger, Jacek Wysocki, Domenico Martinelli,

# AIB technical meeting (7-8 May 2025, Warsaw)

## Advancing vaccination strategies for older adults: insights into epidemiology, immunity and implementation

### Meeting Objectives

- Clarify the definition of older adults in the context of vaccination by considering factors such as chronological age, comorbidities, and biological markers like immunosenescence and frailty.
- Review and discuss vaccines and vaccination programs targeting older adults across Europe.
- Address the unique challenges and opportunities in conducting vaccination studies, and especially clinical trials, with older adults.
- Explore the mechanisms and factors affecting the efficacy, effectiveness, safety and durability (including boosters) of vaccine responses in older adults and discuss strategies (like adjuvants and higher doses) to enhance immune responses. Discuss specific characteristics of different vaccines for older adults.
- Discuss implementation of vaccination in older adults at the policymakers, organizational and population levels. Identify strategies, including best practices and successes, to increase vaccination coverage in both community and other care settings, and address communication and logistical challenges to ensure program sustainability and equity.



**Title.** Advancing vaccination strategies for older adults: insights of the Adult Immunization Board meeting

**Running head:** Vaccination Strategies for Older Adults

**Authors:** Marco Del Riccio<sup>1</sup>, Stefania Maggi<sup>2,3</sup>, Katarzyna Wieczorowska-Tobis<sup>4</sup>, Katherine Newell<sup>5</sup>, Marcin Czech<sup>6</sup>, Elisabeth Botelho-Nevers<sup>7</sup>, Jean-Pierre Michel<sup>2</sup>, Eva Hummers<sup>8</sup>, Sofia Duque<sup>9,10</sup>, Jens Lundgren<sup>11</sup>, Jane Barrat<sup>12</sup>, Litjen Tan<sup>13</sup>, Jacek Wysocki<sup>14</sup>, Sara Boccalini<sup>1</sup>, Angela Bechini<sup>1</sup>, Sakshi Jindal<sup>14</sup>, Greet Hendrickx<sup>15</sup>, Pierre Van Damme<sup>15</sup>, Paolo Bonanni<sup>1</sup>, Jade Pattyn<sup>15</sup>

*All presentations, agenda and background document are on the AIB website*

← Submissions Being Processed for Author					
Page: 1 of 1 (1 total submissions)					
Action	Manuscript Number	Title	Initial Date Submitted	Status Date	Current Status
Action Links	DRAA-D-25-00498	Advancing vaccination strategies for older adults: insights of the Adult Immunization Board meeting	05 Nov 2025	11 Nov 2025	Under Review
Page: 1 of 1 (1 total submissions)					



# Country meeting (6-7 December 2023, Florence)

## Adult immunization in Italy: lessons learned and the way forward

### Intended impact / target population:

- To discuss **country specific aspects of adult immunization** together with local experts.
- The aim of these meetings is 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.**



Public Health & Policy

### Overview of adult immunization in Italy: Successes, lessons learned and the way forward

Angela Bechini, Sara Boccalini, Marco Del Riccio, Jade Pattyn, Greet Hendrickx, Chloé Wyndham-Thomas, Giovanni Gabutti, Stefania Maggi, Walter Ricciardi, Caterina Rizzo, Claudio Costantino, Luigi Vezzosi, Andrea Guida, Chiara Morittu, Pierre Van Damme & Paolo Bonanni: [...show less](#)

Article: 2411821 | Received 22 Jul 2024, Accepted 30 Sep 2024, Published online: 21 Oct 2024

[Cite this article](#)

<https://doi.org/10.1080/21645515.2024.2411821>

[Check for updates](#)

*All meeting presentations are available on our website:*

<https://www.adultimmunizationboard.org/meetings/country-meeting-december-2023/>



# Country meeting (4-5 December 2024, Helsinki)

## Adult immunization in Finland: lessons learned and the way forward

### Intended impact / target population:

- To discuss **country specific aspects of adult immunization** together with local experts.
- The aim of these meetings is 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.**



### Submitted 2° Rev Expert Review of Vaccines

#### Overview of adult immunization in Finland: Successes, lessons learned and the way forward

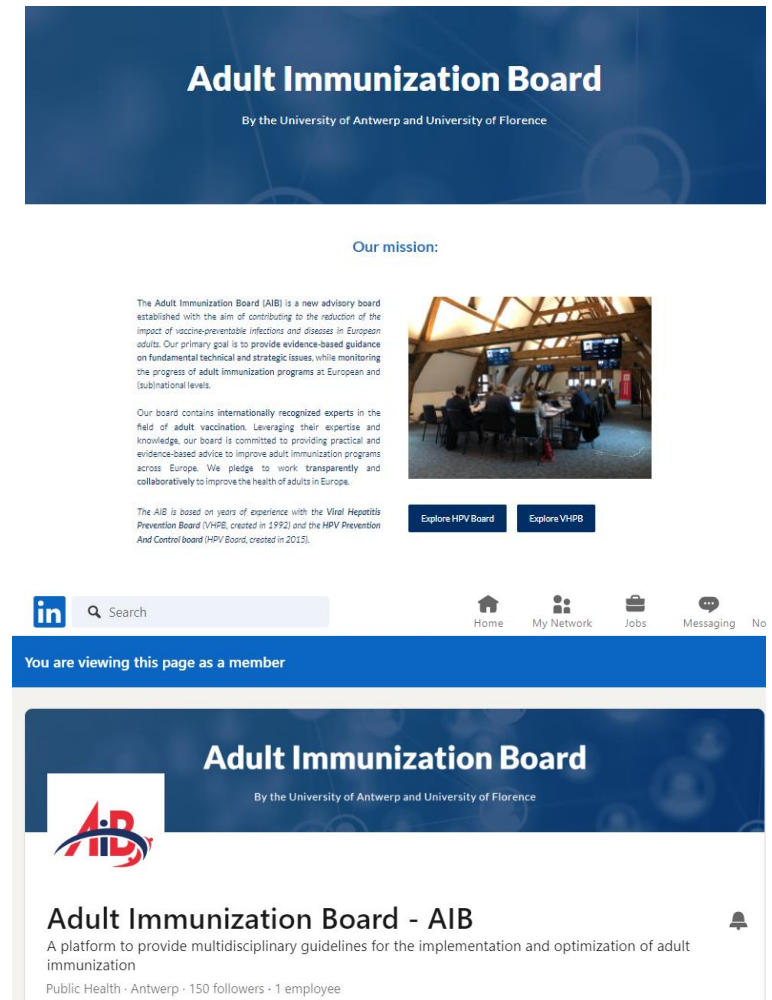
Jade Pattyn<sup>1</sup>, Sakshi Jindal<sup>1</sup>, Greet Hendrickx<sup>1</sup>, Angela Bechini<sup>2</sup>, Sara Boccalini<sup>2</sup>, Marco Del Riccio<sup>2</sup>, Eric Noehrenberg<sup>3</sup>, Pierre Van Damme<sup>1</sup>, Paolo Bonanni<sup>2</sup>, Hanna Nohynek<sup>4</sup>, Mia Kontio<sup>4</sup>, Asko Järvinen<sup>5</sup>, Heini Salo<sup>6</sup>, Arto A. Palmu<sup>7</sup>

All meeting presentations are available on our website:

<https://www.adultimmunizationboard.org/meetings/country-meeting-december-2024/>

# 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, ERS, Vaccine (journal) congress, European Public Health Conference, ESCAIDE/ECDC, ...*)



# Other activities

- The AIB investigated the possibility to publish on the AIB website an **adult vaccine tracker and landscape overview of all available adult vaccine products** used in Europe by disease since no such overview currently exists at the European level, neither by the ECDC nor by the EMA.
- At the same time, the AIB launched the idea of publishing a **European textbook** on adult vaccines and immunizations, **similar to this textbook focused on pediatric vaccines and immunizations**

[nature](#) > [npj vaccines](#) > [comment](#) > article

Comment | [Open access](#) | Published: 04 August 2025

# Overview of vaccines for adults authorized, recommended, and implemented in the European Union

[Jade Pattyn](#) , [Odile Launay](#), [Robert Steffen](#), [Birgit Weinberger](#), [Giovanni Gabutti](#), [Ihan Alojz](#), [Thomas Weinke](#), [Ligita Jancoriene](#), [Paolo Bonanni](#) & [Pierre Van Damme](#)

[npj Vaccines](#) **10**, Article number: 183 (2025) | [Cite this article](#)

**953** Accesses | **1** Altmetric | [Metrics](#)




Pierre Van Damme · Paolo Bonanni  
Jade Pattyn *Editors*



# Vaccines and Vaccinations for Adults

A European Textbook

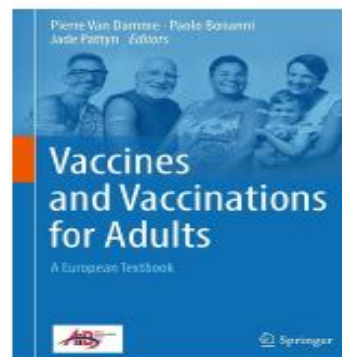


 Springer



presents:

## A European Textbook on Vaccines and vaccinations for adults



In recent years, the importance of adult immunization has gained significant attention within the medical community. With evolving vaccines for adults and life-long immunization programs, there is a growing need for comprehensive resources tailored to the European context. The Pediatric Vaccines and Vaccinations European Textbook has been a seminal work in the field, providing invaluable insights and guidance across Europe. Leveraging the expertise and comprehensive approach of the pediatric textbook, this book is a parallel resource focusing on adult immunization.

Order the book here:



Most authors of the book are part of the Adult Immunization Board (AIB) created in November 2022. The AIB is a European platform that brings together experts to address key challenges in adult vaccination. The goal is to promote evidence-based policies, knowledge sharing, and cross-country collaboration to improve adult immunization.

The AIB secretariat based at the University of Antwerp and University of Florence is responsible for the operational and scientific tasks of the AIB and took the lead in coordinating the writing of this book.

Order the book here:



### THE AIB OPERATES BY ORGANIZING TWO MEETINGS PER YEAR

#### Technical meeting

to discuss a specific  
technical aspect of adult  
immunization with  
subject-matter experts

#### Country meeting

to discuss country-  
specific barriers and  
facilitators of adult  
immunization with  
local experts

Target audience: key opinion leaders, policymakers,  
researchers, public health experts and HCPs

### More information?

All meeting materials and AIB activities are published on  
our website: [www.adultimmunizationboard.org](http://www.adultimmunizationboard.org)



For the latest updates and news, follow us on



**Title: Overcoming barriers to adult immunization in Europe: a decalogue for policy action by the Adult Immunization Board**



**Authors:** Sara Boccalini<sup>1</sup>, Marco Del Riccio<sup>1\*</sup>, Birgit Weinberger<sup>2</sup>, Domenico Martinelli<sup>3</sup>, Angela Bechini<sup>1</sup>, Greet Hendrickx<sup>4</sup>, Paolo Bonanni<sup>1</sup>, Pierre Van Damme<sup>4</sup>, Per Ljungman<sup>5</sup>, Sotirios Tsiodras<sup>6</sup>, Odile Launay<sup>7</sup>, Giovanni Gabutti<sup>8</sup>, Antoni Torres<sup>9</sup>, Roman Chlibek<sup>10</sup>, Johan Flamaing<sup>11</sup>, Robert Steffen<sup>12</sup>, Helena Maltezou<sup>13</sup>, Stefania Maggi<sup>14</sup>, Jacek Wysocki<sup>15</sup>, Ligita Jancoriene<sup>16</sup>, Heidi Larson<sup>17</sup>, Alojz Ihan<sup>18</sup>, Thomas Weinke<sup>19</sup>, Daphné Holt<sup>20</sup>, Mariano Votta<sup>21</sup>, Javier Díez-Domingo<sup>22</sup>, and Jade Pattyn<sup>4</sup>

← Revisions Being Processed for Author

Page: 1 of 1 (1 total revisions being processed)

Results per page 10

Action	Manuscript Number	Title	Date Submission Began	Status Date	Current Status
Action Links	HLPT-D-25-00811R1	Overcoming barriers to adult immunization in Europe: a decalogue for policy action by the Adult Immunization Board	Nov 20, 2025	Nov 21, 2025	With Editor

Page: 1 of 1 (1 total revisions being processed)

Results per page 10

**INFECTIOUS DISEASES, INFECTION CONTROL, VACCINES AND LONG-TERM  
CARE: AN EUROPEAN INTERDISCIPLINARY COUNCIL ON AGEING CONSENSUS  
DOCUMENT**

Nicola Veronese, Jane Barratt, Eveline Coemans, Marco del Riccio, Tamas Fulop, Giovanni Gabutti, Stefan Gravenstein, Mickael Hiligsmann, Eva Hummers, Tommi Karki, George Kassianos, Francesco Macchia, Paolo Manzoni, Finbarr Martin, Jean-Pierre Michel, Alessandro Morandi, Peter Openshaw, Jerome Ory, Jade Pattyn, Eva Peetermans, Maria Cristina Polidori, Matteo Riccò, Cornel Sieber, Antoni Torres, Ted van Essen, Mariano Votta, Stefania Maggi




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**Infectious diseases,  
Infection control, Vaccines  
and Long-Term Care**


July 9/11, 2025  
San Servolo Island, Venice, Italy

 **EICA**  
Endorsement by

 **AIB**  **ESWI**  **EuGMS**



# Unrestricted Grant – Vaccines Europe

- The executive secretariat of the Adult Immunization Board benefits from **being seated at the University of Antwerp and the University of Florence**, where it has the **infrastructure and administrative services** of the universities at its disposal.
- The AIB is **supported for its activities and meetings** by an **unrestricted grant from**  Vaccines Europe. All meeting funds are collected by the AIB secretariat. **Meeting topics and editorial control of the output and website rests entirely with the executive secretariat** of the Adult Immunization Board according to all ethical rules of both Universities.
- For the Board and its advisors, **strict operational and scientific independence** is essential. Adult Immunization Board advisors and invited experts get only **travel and subsistence reimbursed** according to the Universities Rules, **no honorary or other forms of remuneration are paid**.