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Country: Finland

Affiliation: FVR – Finnish Vaccine Research

Function: Chief Research and Medical Officer

Main expertise (1-2 lines):

**Vaccine research including clinical trials,
register-based observational RWE studies
and pragmatic trials**





Suomen rokotetutkimus
Finnish Vaccine Research

**Objectives of the meeting
+
Why is Finland interesting in
context of adult vaccination**

**MD, PhD Arto Palmu,
Chief Research and Medical Officer
FVR – Finnish Vaccine Research**



Objectives of the meeting

- **Session 2.** Review the structure of the **healthcare system in Finland**, focusing on how **adult vaccination programs** are integrated into the national vaccination program. Analyze current **policies and strategies for adult vaccination**. Analyze the organization, distribution, and regulatory systems for adult vaccination at the national and regional level.
- **Session 3.** Explore the integration of **national healthcare registers** in monitoring and evaluating vaccination coverage, effectiveness, and safety.
- **Session 4.** Discuss the effectiveness of current **surveillance systems** in detecting and responding to vaccine-preventable diseases in adults.
- **Session 5.** Understand the role of **modeling and economic evaluations** in shaping vaccine policy. Discuss how modelling studies can inform policy decisions and prioritization of vaccines.
- **Session 6.** Address the factors influencing **vaccine acceptance and strategies to increase demand** among adults. Assess public attitudes and beliefs toward adult vaccination.
- **Session 7.** Focus on existing vaccination strategies for **specific population groups** and the effectiveness of such programs. Discuss future directions for adult vaccination.

Adult vaccinations are different!

Pediatric vaccinations

Small birth cohorts
Mainly healthy, no comorbidities
Immunological immaturity
Repeated doses
Period of highest risk *early* in life
Life expectancy extremely long
Indirect effects common

Adult vaccinations

Large age cohorts
Comorbidities
Immunosenescence
One dose or booster
Period of highest risk *late* in life
Life expectancy long to short
No indirect effects

Why is Finland interesting in context of adult vaccination?

- An example of the Nordic welfare state with public health care, national health insurance and high education level of the health-care staff and the population
- Centralized state-funded national vaccination program with emphasis on cost-effectiveness
 - Ministry of Social Affairs and Health
 - Finnish Institute for Health and Welfare (THL)
 - Wellbeing services counties
- National registers enabling surveillance and real-time evaluation
 - National Vaccination Register (NVR)
 - National Infectious Diseases Register (NIDR)
 - Hospital discharge register (Hilmo)
- Trust of the population and high vaccination coverage
- Active in vaccine research with a long history

Different perspectives on vaccines

Stakeholder

Public health

Health-care provider/vaccinator

Health-care provider/clinician

Payer

Citizen

Employer

Researcher

Primary data source/contact point

Disease statistics

Healthy vaccinees (in big volumes)

Patients with the disease

Costs and benefits of different interventions

Health care services available for their needs

Healthy employees

All those above



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Let the discussion begin!