# Register-based study on disease burden of bacterial meningitis, and long-term prognosis and resource use of invasive meningococcal disease in Finland (MEN00065)

**First published:** 28/05/2024

**Last updated:** 28/05/2024

Study Ongoing

## Administrative details

**EU PAS number**

EUPAS1000000081

**Study ID**

1000000081

**DARWIN EU® study**

No

**Study countries**

Finland

**Study description**

Meningitis and invasive meningococcal diseases (IMD) are very serious and can lead to complications with physical and mental disability or even death. We will study the incidence, etiology and risk factors in a population-based setting. We will evaluate both acute and long-term health care resource use and costs. We will also evaluate how the IMD impacted patients' education, income and life cycle.

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**Study status**

Ongoing

# Research institutions and networks

## Institutions

### FVR – Finnish Vaccine Research

Finland

**First published:** 21/03/2024

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**Institution** **Hospital/Clinic/Other health care facility**

**Laboratory/Research/Testing facility**

# Contact details

**Study institution contact**

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**Study contact**

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**Primary lead investigator**

Arto Palmu

**Primary lead investigator**

## Study timelines

**Date when funding contract was signed**
Actual: 15/12/2022

**Study start date**
Actual: 07/09/2023

**Date of final study report**
Planned: 17/12/2027

## Sources of funding

- Pharmaceutical company and other private sector

## More details on funding

Sanofi Pasteur S.A.

## Regulatory

**Was the study required by a regulatory body?**

No

**Is the study required by a Risk Management Plan (RMP)?**

Not applicable

# Methodological aspects

## Study type

## Study type list

**Study topic:**

Disease /health condition

**Study type:**

Non-interventional study

**Scope of the study:**

Drug utilisation

Healthcare resource utilisation

Other

**If ‘other’, further details on the scope of the study**

Socioeconomic outcomes

**Data collection methods:**

Secondary use of data

## Study Design

**Non-interventional study design**

Case-control

# Study drug and medical condition

**Medical condition to be studied**

Meningitis

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**Additional medical condition(s)**

Invasive meningococcal disease

# Population studied

**Short description of the study population**

Population based study. All IMD and bacterial meningitis cases found in Finnish national health register data.

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**Age groups**

- **Paediatric Population (< 18 years)**
  - Preterm newborn infants (0 – 27 days)
  - Term newborn infants (0 – 27 days)
  - Children (2 to < 12 years)
  - Adolescents (12 to < 18 years)
- **Adult and elderly population (≥18 years)**
  - Adults (18 to < 65 years)
    - Adults (18 to < 46 years)
    - Adults (46 to < 65 years)
  - Elderly (≥ 65 years)

- Adults (65 to < 75 years)
- Adults (75 to < 85 years)
- Adults (85 years and over)

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**Estimated number of subjects**

5.000

# Data management

## ENCePP Seal

The use of the ENCePP Seal has been discontinued since February 2025. The ENCePP Seal fields are retained in the display mode for transparency but are no longer maintained.

## Data sources

**Data source(s), other**

Finnish health registers

Statistics Finland's datasets

## Use of a Common Data Model (CDM)

**CDM mapping**

No

## Data quality specifications

**Check conformance**

Unknown

**Check completeness**

Unknown

**Check stability**

Unknown

**Check logical consistency**

Unknown

## Data characterisation

**Data characterisation conducted**

No