

# Alzheimer's Disease

Lumanity and The PHARMO Institute delivers research insights into Alzheimer's Disease and Dementia.

## Disease & treatment characterization

- GP recorded diagnosis for dementia
- Free text notes for dementia or subtype e.g., Alzheimer's Disease
- Anti-dementia drug prescriptions e.g., donepezil, galantamine, rivastigmine, memantine, and mini-mental state examination (MMSE)

## Healthcare resource utilization

- Multi-setting healthcare resource use
- In- and out-patient drug exposure data
  - AChE inhibitors
  - Memantine
  - Statins
  - Anti-anxiety/psychotics

## Predictors of early-stage disease

- Longitudinal data allows analysis of early predictors of disease
  - MCI (Mild Cognitive Impairment)
  - Short-term memory loss
  - Lack of awareness
  - Head traumas
  - Comorbidities (e.g., Cardiovascular Disease, Depression, Anxiety, Psychosis)



## What makes us different



### High patient counts in Alzheimer's Disease

- >50,000 Alzheimer's Disease
- 20-year average look-back



### A unique, longitudinal, and clinically rich dataset

- 2002 onwards (20+ years)
- Ability to follow through multiple healthcare settings
- Data regularly updated and expanded to include new patients and follow-up information

# About PHARMO



The PHARMO Institute is a **global leader** in drug safety and outcomes research



**The Netherlands has an excellent healthcare system** and is a major hub for clinical trials



Dutch data is **representative of Western Europe** and can be used in global studies as a robust proxy or complement to EU-5



PHARMO maintains an extensive network of data partners across NA and Europe. As a founding member of SIGMA Consortium, we can access diverse sources of **pan-European real world data (RWD) on >100 million patients**



Our capabilities and experience enable us to deliver on a **wide range of real world evidence (RWE) use cases**



## ➔ Why choose us?

We can be counted on for service and quality. We utilize proven processes supported by technologically advanced resources to produce high-quality services, with guaranteed satisfaction.