

Alzheimer's Disease

Lumanity and the PHARMO Institute are partnering to deliver research insights in 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 an **independent, global leader** in drug safety and outcomes research



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



The **PHARMO Data Network** offers **multi-setting, longitudinal, clinically rich data** with exceptional curation and linkages to hospitals and national registers



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



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?

Luminality 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.