

The Swedish BioFINDER Study

<https://neurodegenerationresearch.eu/cohort/the-swedish-biofinder-study/>

Cohort Acronym

BioFINDER

Cohort type

Neurodegenerative disease-specific cohort

Disease

Alzheimer's disease, Frontotemporal dementia, Lewy body disease, Mild cognitive impairment (MCI), Parkinson's disease, Subjective memory complaints (SMC) or subjective cognitive decline (SCD), Vascular dementia

Participant type

Condition diagnosed

Profile

Recruitment Period 2009-2014

Sample size at start or planned sample size if still recruiting

Estimated Current Sample Size

Age at Recruitment >60

Gender Male and Female

Abstract

The Swedish BioFINDER Study consists of four cohorts where patients are included prospectively and followed longitudinally (www.biofinder.se). At baseline, these individuals undergo detailed and standardized cognitive, neurological and psychiatric examinations. Plasma, blood, CSF and samples for cell biology studies are collected. Most also have also undergone advanced Magnetic Resonance Imaging, and in many of the non-demented cases Amyloid and Tau positron emission tomography (PET) imaging have also been done.

The subcohorts include:

- i) Healthy volunteers. Ca 350 volunteers aged 60-100 years old from the population-based Malm' EPIC cohort (380 participants as of Feb 2016). Follow-up time: at least 8 years with investigations repeated every second year. In this cohort, appr. 20% is expected to have preclinical AD.
- ii) Patients with Mild Cognitive Impairment (MCI) or Subjective Cognitive Decline (SCD). Ca 500 patients with MCI/SCD aged 60-80 years. Follow-up time: at least 6 years with investigations repeated every year. In this cohort, appr. 50% is expected to have prodromal AD.
- iii) Patients with different dementia disorders. We include ca 250 dementia cases aged 40-100 years with AD, VaD, DLB, PDD or FTD. Follow-up time: at least 2 years with investigations repeated every year.
- IV) Patients with Parkinson's disease (PD) and PD-related disorders. Ca 300 patients with Parkinson-like symptoms. Follow-up time: at least 6 years with investigations repeated every year.

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Country Sweden

Contact details

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Variables Collected

Brain related measures:

Cognitive function, Mental health, Neurological

Functional rating:

Individual physiological, Individual psychological

Anthropometric:

Blood pressure, Height, Weight

Physical:

Hearing and Vision, Reproductive

Biological samples:

Blood, Cerebral spinal fluid (CSF), CSF biomarker data available, Other

Genotyping:

Gene screening

Brain imaging:

Magnetic resonance imaging (MRI), Magnetic resonance spectroscopy (MRS), Positron emission tomography (PET) - amyloid

Brain banking:

N/A

Lifestyle:

Alcohol, Dietary habits, Smoking

Socio-economic:

Education

Health service utilisation:

N/A