

# PREVENT Research Programme

<https://neurodegenerationresearch.eu/cohort/prevent-research-programme/>

## Cohort Acronym

PREVENT

## Cohort type

Neurodegenerative disease-specific cohort

## Disease

Alzheimer's disease, Dementia (unclassified), Frontotemporal dementia, Subjective memory complaints (SMC) or subjective cognitive decline (SCD), Vascular dementia

## Participant type

At-risk diagnosis

## Profile

Recruitment Period 2014-present

Sample size at start or planned sample size if still recruiting 240

Estimated Current Sample Size 0 to 4,999

Age at Recruitment 40-59

Gender Male and Female

Abstract

The PREVENT Research Programme has established a cohort of individuals to explore differences in the brain and cognitive function in healthy people in mid-life (aged 40-59). People are grouped into high, mid and low risk based on their family history and APOE status (a well-known risk gene for Alzheimer's disease).

650 participants are assessed on biological indicators including markers in blood, saliva, urine and spinal fluid as well as direct imaging of the brain's structure and function. Changes in all of these markers will be monitored at 2 years to work out if risks that predict these changes. One of the main aims of the study is to identify the earliest signs of changes in the brain whilst people are still in good health.

*Last update – 13/12/2017*

Country United Kingdom

## Contact details

Institution name University of Edinburgh

Website <http://preventdementia.co.uk/>

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Funders (Core support) Alzheimer's Society

Fidelity and Alzheimer's Association

## Variables Collected

### **Brain related measures:**

Behaviour, Cognitive function, Mental health, Neurological

### **Functional rating:**

Individual physiological, Individual psychological

### **Anthropometric:**

Blood pressure, Height, Hip circumference, Waist circumference, Weight

### **Physical:**

Cardiovascular, Hearing and Vision, Respiratory

### **Biological samples:**

Blood, Cerebral spinal fluid (CSF), CSF biomarker data available, Saliva, Urine

### **Genotyping:**

Gene screening

### **Brain imaging:**

Magnetic resonance imaging (MRI), Magnetic resonance spectroscopy (MRS)

### **Brain banking:**

N/A

### **Lifestyle:**

Alcohol, Dietary habits, Smoking

### **Socio-economic:**

Education, Ethnic group, Housing and accommodation, Income and finances, Marital status, Occupation and employment

### **Health service utilisation:**

N/A