

# UK Biobank

<https://www.neurodegenerationresearch.eu/cohort/uk-biobank/>

## Cohort Acronym

### Cohort type

General population-based cohort

### Disease

Alzheimer's disease, Dementia (unclassified), Frontotemporal dementia, Huntington's disease, Lewy body disease, Mild cognitive impairment (MCI), Motor neurone disease, Other NDs not listed, Parkinson's disease, Prion disease, Vascular dementia

### Participant type

No diagnosis

### Profile

Recruitment Period 2006-2010

Sample size at start or planned sample size if still recruiting 500,000

Estimated Current Sample Size 500,000+

Age at Recruitment 49-69

Gender Male and Female

Abstract

UK Biobank is a major national health resource, and a registered charity in its own right, with the aim of improving the prevention, diagnosis and treatment of a wide range of serious and life-threatening illnesses – including cancer, heart diseases, stroke, diabetes, arthritis, osteoporosis, eye disorders, depression and forms of dementia.

500,000 people aged between 40-69 years were recruited in 2006-2010 from across the country to take part in this project. They have undergone measures, provided blood, urine and saliva samples for future analysis, detailed information about themselves and agreed to have their health followed. The cohort is primarily followed through data linkage but the cohort was re-contacted in 2012-13 with a further 100,000 to be approached over the next few years.

Country United Kingdom

### Contact details

Institution name UK Biobank

Website <http://www.ukbiobank.ac.uk>; <http://imaging.ukbiobank.ac.uk>

Principal Investigator (PI) Professor Sir Rory Collins, Chief Scientist, Professor Cathie Sudlow

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Funders (Core support) Medical Research Council

Wellcome Trust

Department of Health

National Institute for Health Research

British Heart Foundation

Diabetes UK

Northwest Regional Development Agency

## **Variables Collected**

### **Brain related measures:**

N/A

### **Functional rating:**

N/A

### **Anthropometric:**

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

### **Physical:**

Cardiovascular, Hearing and Vision, Musculoskeletal, Respiratory

### **Biological samples:**

Blood, Microbiome, Urine

### **Genotyping:**

Gene screening

### **Brain imaging:**

Magnetic resonance imaging (MRI)

### **Brain banking:**

N/A

### **Lifestyle:**

Alcohol, Dietary habits, Physical activity, Smoking

### **Socio-economic:**

Education, Ethnic group, Family circumstances, Housing and accommodation, Income and finances, Informal support, Marital status, Occupation and employment

### **Health service utilisation:**

Formal health and social care service utilisation including private care