

Australian Imaging, Biomarker & Lifestyle Flagship Study on Ageing

<https://neurodegenerationresearch.eu/cohort/australian-imaging-biomarker-lifestyle-flagship-study-on-ageing/>

Cohort Acronym

AIBL

Cohort type

Neurodegenerative disease-specific cohort

Disease

Alzheimer's disease, Mild cognitive impairment (MCI), Other NDs not listed, Subjective memory complaints (SMC) or subjective cognitive decline (SCD)

Participant type

Condition diagnosed

Profile

Recruitment Period 2006-2008| 2010

Sample size at start or planned sample size if still recruiting 2100

Estimated Current Sample Size 0 to 4,999

Age at Recruitment >60

Gender Male and Female

Abstract

AIBL is a study of over 2,000 people assessed over a long period of time (over 10 years) to determine which biomarkers, cognitive characteristics, and health and lifestyle factors determine subsequent development of symptomatic Alzheimer's Disease (AD).

The baseline inception cohort consisted of:

- i. 211 individuals with AD as defined by NINCDS-ADRDA (McKhann et al, 1984);
- ii. 133 individuals with Mild Cognitive Impairment (MCI)
- iii. 768 healthy individuals without cognitive impairment. This group included volunteers with at least one copy of the ApoE ϵ 4 allele, volunteers without a copy of the ApoE ϵ 4 allele and 396 volunteers who expressed subjective concern about their memory function.

The enrichment cohort consists of:

- i. 142 individuals with AD
- ii. 220 individuals with MCI
- iii. 582 individuals with without cognitive impairment.

The data was collected through clinics and questionnaires.

Last Update 21/09/2017

Country Australia

Contact details

Institution name Florey Institute of Neuroscience and Mental Health, Austin Health, Edith Cowan University and CSIRO

Website <https://aibl.csiro.au/about/>

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Funders (Core support) Science and Industry Endowment Fund

Variables Collected

Brain related measures:

Behaviour, Cognitive function, Mental health, Neurological

Functional rating:

N/A

Anthropometric:

Blood pressure, Height, Waist circumference, Weight

Physical:

N/A

Biological samples:

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

Genotyping:

Gene screening

Brain imaging:

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

Brain banking:

N/A

Lifestyle:

Alcohol, Smoking

Socio-economic:

Education, Marital status

Health service utilisation:

Formal health and social care service utilisation including private care