

# Australian Imaging, Biomarker & Lifestyle Flagship Study on Ageing

<https://www.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  $\epsilon$ 4 allele, volunteers without a copy of the ApoE  $\epsilon$ 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/>

Principal Investigator (PI) Professor David Ames

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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