

# Sydney Memory and Ageing Study

<https://www.neurodegenerationresearch.eu/cohort/sydney-memory-and-ageing-study/>

## Cohort Acronym

Sydney MAS

## Cohort type

General population-based 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

No diagnosis

## Profile

Recruitment Period 2005-2007

Sample size at start or planned sample size if still recruiting 540

Estimated Current Sample Size 0 to 4,999

Age at Recruitment 70-90

Gender Male and Female

Abstract

The Sydney Memory and Ageing Study (Sydney MAS) began in 2005 to examine the clinical characteristics and prevalence of mild cognitive impairment (MCI) and related syndromes, and to determine the rate of change in cognitive function over time.

Non-demented community-dwelling individuals (N=1037) aged 70-90 were recruited from two areas of Sydney, following a random approach to 8,914 individuals on the electoral roll. They underwent detailed neuropsychiatric and medical assessments and donated a blood sample for clinical chemistry, proteomics and genomics. A knowledgeable informant was also interviewed. Structural MRI scans were performed on 554 individuals, and subgroups participated in studies of falls and balance, metabolic and inflammatory markers, functional MRI and prospective memory. The cohort is to be followed up with brief telephone reviews annually, and detailed assessments biannually.

*Last update – 20/07/2017*

Country Australia

## Contact details

Institution name University of New South Wales

Website <https://cheba.unsw.edu.au/project/sydney-memory-and-ageing-study>

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Funders (Core support) National Health and Medical Research Council of Australia

## **Variables Collected**

### **Brain related measures:**

Behaviour, Cognitive function, Mental health, Neurological

### **Functional rating:**

Individual psychological

### **Anthropometric:**

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

### **Physical:**

Cardiovascular, Hearing and Vision, Respiratory

### **Biological samples:**

Blood, Saliva

### **Genotyping:**

Gene screening

### **Brain imaging:**

Magnetic resonance imaging (MRI)

### **Brain banking:**

Consent for brain donation

### **Lifestyle:**

Alcohol, Dietary habits, Physical activity, Smoking

### **Socio-economic:**

Education, Ethnic group, Housing and accommodation, Informal support, Marital status, Occupation and employment, Unpaid care

### **Health service utilisation:**

Formal health and social care service utilisation including private care