Sydney Memory and Ageing Study

https://neurodegenerationresearch.eu/de/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.

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Variables Collected

Brain related measures:
Behaviour, Cognitive function, Mental health, Neurological
Funtional 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