

The Busselton Healthy Ageing Study

<https://www.neurodegenerationresearch.eu/cohort/the-busselton-healthy-ageing-study/>

Cohort Acronym

BHAS

Cohort type

General population-based cohort

Disease

Alzheimer's 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 Phase 1: 2010-15 and Phase 2: 2016-21

Sample size at start or planned sample size if still recruiting 5050

Estimated Current Sample Size 5,000 to 9,999

Age at Recruitment 46-69

Gender Male and Female

Abstract

The Busselton Healthy Ageing Study aims to enhance understanding of ageing by relating the clustering and interactions of common chronic conditions in adults to function. Phase I (recruitment) is a cross-sectional community-based prospective cohort study involving 5,107 'Baby Boomers' (born from 1946 to 1964) living in the Busselton Shire, Western Australia. The study protocol involves a detailed, self-administered health and risk factor questionnaire and a range of physical assessments including body composition and bone density measurements, cardiovascular profiling (blood pressure, ECG and brachial pulse wave velocity), retinal photography, tonometry, auto-refraction, spirometry and bronchodilator responsiveness, skin allergy prick tests, sleep apnoea screening, tympanometry and audiometry, grip strength, mobility, balance and leg extensor strength. Cognitive function and reserve, semantic memory, and pre-morbid intelligence are assessed. Phase 2 (longitudinal, 6 year follow-up) commenced in 2016.

Last update: 25/01/2017

Country Australia

Contact details

Institution name Busselton Population Medical Research Institute

Website <http://bpmri.org.au/research/key-projects-studies/busselton-health-study-2.html#item-2>

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Office of Science and Department of Health of the Government of Western Australia

Variables Collected

Brain related measures:

Cognitive function, Mental health, Neurological

Functional rating:

Individual psychological

Anthropometric:

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

Physical:

Cardiovascular, Hearing and Vision, Musculoskeletal, Reproductive, Respiratory

Biological samples:

Blood, Microbiome

Genotyping:

Gene screening

Brain imaging:

N/A

Brain banking:

N/A

Lifestyle:

Alcohol, Dietary habits, Physical activity, Smoking

Socio-economic:

Education, Ethnic group, Housing and accommodation, Income and finances, Marital status,

Occupation and employment

Health service utilisation:

Formal health and social care service utilisation including private care