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

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Funders (Core support) The Busselton Population Medical Research Institute
Office of Science and Department of Health of the Government of Western Australia
Variables Collected

**Brain related measures:**
Cognitive function, Mental health, Neurological

**Funtional 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