

Cardiovascular Health Study

<https://neurodegenerationresearch.eu/cohort/cardiovascular-health-study/>

Cohort Acronym

CHS

Cohort type

General population-based cohort

Disease

Alzheimer's disease, Dementia (unclassified), Frontotemporal dementia, Lewy body disease, Mild cognitive impairment (MCI), Motor neurone disease, Other NDs not listed, Parkinson's disease, Prion disease, Spinal muscular atrophy (SMA), Spinocerebellar ataxia (SCA), Vascular dementia

Participant type

No diagnosis

Profile

Recruitment Period 1989-2003

Sample size at start or planned sample size if still recruiting 300

Estimated Current Sample Size 0 to 4,999

Age at Recruitment >65

Gender Male and Female

Abstract

The Cardiovascular Health Study (CHS) is an NHLBI-funded observational study of risk factors for cardiovascular disease in adults 65 years or older. Starting in 1989, and continuing through 1999, participants underwent annual extensive clinical examinations. Measurements included traditional risk factors such as blood pressure and lipids as well as measures of subclinical disease, including echocardiography of the heart, carotid ultrasound, and cranial magnetic-resonance imaging (MRI). At six month intervals between clinic visits, and once clinic visits ended, participants were contacted by phone to ascertain hospitalizations and health status.

Information on dementia comes from two Ancillary Studies. The CHS Cognition Study (Dr. Lewis Kuller, PI) included 3608 participants who had an MRI in 1992-94 and who were followed for dementia through 1999. A follow-up study was done at the Pittsburgh field center that included 532 participants followed through 2013 (Dr. Oscar Lopez, PI).

Country USA

Contact details

Institution name National Heart, Lung and Blood Institute

Website <https://chs-nhlbi.org/>

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Funders (Core support) National Heart, Lung and Blood Institute

Variables Collected

Brain related measures:

N/A

Functional rating:

Individual physiological, Individual psychological

Anthropometric:

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

Physical:

Cardiovascular, Hearing and Vision, Musculoskeletal, Reproductive, Respiratory

Biological samples:

Blood, Urine

Genotyping:

Gene screening

Brain imaging:

Magnetic resonance imaging (MRI)

Brain banking:

N/A

Lifestyle:

Alcohol, Dietary habits, Physical activity, Smoking

Socio-economic:

Education, Ethnic group, Family circumstances, Housing and accommodation, Income and finances, Informal support, Marital status, Occupation and employment

Health service utilisation:

Formal health and social care service utilisation including private care