The New England Centenarian Study

Cohort Acronym
NECS

Cohort type
General population-based cohort

Disease
Alzheimer's disease, Dementia (unclassified), Huntington's disease, Mild cognitive impairment (MCI), Parkinson's disease, Subjective memory complaints (SMC) or subjective cognitive decline (SCD)

Participant type
No diagnosis

Profile
Recruitment Period 1995-present
Sample size at start or planned sample size if still recruiting 4,000
Estimated Current Sample Size 0 to 4,999
Age at Recruitment 40-119
Gender Male and Female
Abstract

Convenience sample of centenarians, their siblings, offspring, spouses and a control sample consisting of people born around same time as offspring but who do not have parents surviving beyond average life expectancy for their birth cohort. Age range 40-119 years, with ~2500 centenarians in the sample including 600 semi-supercentenarians (ages 105-109) and 200 supercentenarians (ages 110+ years).

We collect the below listed data at enrolment and then collect vital status, hospitalization, changes in meds and diagnoses, cognitive function (TICS) and physical function (IADS, ADL) over the phone, annually. Local subjects are asked to undergo annual detailed cognitive function testing in person with ultimately, brain donation. Blood sample collected at enrolment for DNA, RNA and plasma for biomarkers and storage.

Study is open to collaborations. Please contact Dr. Perls

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Variables Collected

Brain related measures:
N/A

Funtional rating:
N/A

Anthropometric:
Blood pressure, Height, Weight

Physical:
N/A

Biological samples:
Blood, Other

Genotyping:
Gene screening

Brain imaging:
N/A

Brain banking:
Consent for brain donation

Lifestyle:
Alcohol, Dietary habits, Physical activity, Smoking

Socio-economic:
Education, Ethnic group, Family circumstances, Housing and accommodation, Income and finances, Informal support, Martial status, Occupation and employment, Unpaid care

Health service utilisation:
Formal health and social care service utilisation including private care