

LifeLine Children's Cohort Study

<https://www.neurodegenerationresearch.eu/cohort/lifeline-childrens-cohort-study/>

Cohort Acronym

Cohort type

General population-based cohort

Disease

Participant type

No diagnosis

Profile

Recruitment Period 2006-2013

Sample size at start or planned sample size if still recruiting 15000

Estimated Current Sample Size 10,000 to 19,999

Age at Recruitment <18

Gender Male and Female

Abstract

The Lifelines Cohort Study is a large population-based cohort study and biobank that was established as a resource for research on complex interactions between environmental, phenotypic and genomic factors in the development of chronic diseases and healthy ageing. The Lifelines cohort distinguishes a children's cohort (aged 0-18), an adult cohort (aged 18-65) and the elderly cohort (aged 65+). The protocol for these three sub-cohorts is largely the same, but focuses in part on the characteristics of the specific participant groups.

Between 2006 and 2013, inhabitants of the northern part of The Netherlands and their families were invited to participate, thereby contributing to a three-generation design. Follow-up visits are scheduled every 5 years, and in between participants receive follow-up questionnaires. Linkage is being established with medical registries and environmental data. Lifelines contains information on biochemistry, medical history, psychosocial characteristics, lifestyle and more. Genomic data are available including genome-wide genetic data of 15638 participants. Fasting blood and 24-h urine samples are processed on the day of collection and stored at -80 °C in a fully automated storage facility. The aim of Lifelines is to be a resource for the national and international scientific community. Requests for data and biomaterials can be submitted to the Lifelines Research Office ([\[email protected\]](#)).

Country Netherlands

Contact details

Institution name Lifelines Cohort Study and Biobank

Website <https://www.lifelines.nl/researcher/biobank-lifelines> Online catalogue of available data: <https://catalogue.lifelines.nl>

Principal Investigator (PI) Dr Aafje Dotinga

Contact email PI Email: or

Contact phone number

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Variables Collected

Brain related measures:

Behaviour, Cognitive function

Functional rating:

Individual psychological

Anthropometric:

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

Physical:

Cardiovascular, Hearing and Vision, Musculoskeletal, Respiratory

Biological samples:

Blood, Microbiome, Other, Urine

Genotyping:

N/A

Brain imaging:

N/A

Brain banking:

N/A

Lifestyle:

Alcohol, Dietary habits, Physical activity, Smoking

Socio-economic:

Education, Family circumstances, Housing and accommodation, Occupation and employment

Health service utilisation:

Formal health and social care service utilisation including private care