

Lothian Birth Cohort 1936

<https://neurodegenerationresearch.eu/fi/cohort/lothian-birth-cohort-1936/>

Cohort Acronym

LBC1936

Cohort type

General population-based cohort

Disease

Participant type

No diagnosis

Profile

Recruitment Period 1947

Sample size at start or planned sample size if still recruiting 1091

Estimated Current Sample Size 0 to 4,999

Age at Recruitment 11

Gender Male and Female

Abstract

The participants of the Lothian Birth Cohort 1936 were recruited to the project because they had taken part in the Scottish Mental Survey 1947. This followed the Scottish Mental Survey of 1932 from which the Lothian Birth Cohort 1921 was established.

The surveys had, respectively, tested the intelligence of almost every child born in 1921 or 1936 and attending school in Scotland in the month of June in those years. Tracing, recruiting and re-testing people who had taken part in the Surveys offered a rare opportunity to examine the distribution and causes of cognitive ageing across most of the human life course.

The LBC1936 began in 2004 and recruited 1091 of the 70,805 individuals who had taken part in the 1947 survey. The LBC1936 have been examined at mean ages of 70, 73, 76 and 79 years. The cohort has a wide range of variables: genome-wide genotyping, demographics, psycho-social and lifestyle factors, cognitive functions, medical history and examination, biomarkers (from blood and urine) and a detailed structural magnetic resonance imaging (MRI) brain scan.

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Country United Kingdom

Contact details

Institution name University of Edinburgh

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Funders (Core support) Age UK

Medical Research Council (MRC)

Variables Collected

Brain related measures:

Behaviour, Cognitive function, Mental health, Neurological

Functional rating:

Individual physiological, Individual psychological

Anthropometric:

Blood pressure, Height, Weight

Physical:

Cardiovascular, Hearing and Vision, Musculoskeletal, Respiratory

Biological samples:

Blood, Other, Urine

Genotyping:

Gene screening

Brain imaging:

Magnetic resonance imaging (MRI)

Brain banking:

Consent for brain donation

Lifestyle:

Alcohol, Dietary habits, Physical activity, Smoking

Socio-economic:

Education, Ethnic group, Family circumstances, Housing and accommodation, Marital status,

Occupation and employment, Unpaid care

Health service utilisation:

N/A