

The Metropolit 1953 Danish Male Birth Cohort

<https://neurodegenerationresearch.eu/cohort/the-metropolit-1953-danish-male-birth-cohort/>

Cohort Acronym

Metropolit cohort

Cohort type

General population-based cohort

Disease

Alzheimer's disease, Dementia (unclassified), Parkinson's disease, Vascular dementia

Participant type

No diagnosis

Profile

Recruitment Period 2001

Sample size at start or planned sample size if still recruiting

Estimated Current Sample Size

Age at Recruitment > 0

Gender Male

Abstract

The original aim of the Metropolit cohort was to follow men from early school age to early mid-life, to explore intergenerational mobility and differential life-chances. In 2001 the cohort was revitalised in order to study the development of chronic diseases in a life course perspective.

The Metropolit cohort comprises all 11532 men born in 1953 in the Copenhagen Metropolitan area who were living in Denmark in 1968. These men have been followed repeatedly since their birth. In brief, we have data from birth certificates (1953) which include information on birth dimensions and father's occupation. In 1965, 7,987 participated in a school-based survey and completed tests of cognition and enquiries regarding leisure-time activities and social aspirations. Data from draft board examinations at around age 19 have been collected for 11,108 of the men. These data include cognitive testing and health information. In 2004, 6,292 of the men responded to a mailed questionnaire with questions on health and lifestyle. In 2009-2010, 2486 of 7799 eligible cohort members participated in the Copenhagen Ageing Midlife Biobank (CAMB) study which comprised questionnaires, cognitive and physical testing as well as blood sampling. Further, around 300 men selected on their young adult and current cognitive performance have been through a neurophysiological examination including EEG, MRI, fMRI and sleep tests. The cohort has also been followed in nation-wide social and health registers for social life, medical and mental hospital diagnosis as well as cause of death from 1969 to 2016.

Last Update 21/09/2017

Country Denmark

Contact details

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<https://academic.oup.com/ije/article/35/3/541/735517/Cohort-Profile-The-Metropolit-1953-Danish-Male>

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Variables Collected

Brain related measures:

Cognitive function, Mental health, Neurological

Functional rating:

Individual physiological, Individual psychological

Anthropometric:

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

Physical:

Reproductive, Respiratory

Biological samples:

Blood

Genotyping:

Gene screening

Brain imaging:

Electroencephalogram (EEG), Magnetic resonance imaging (MRI)

Brain banking:

N/A

Lifestyle:

Alcohol, Dietary habits, Physical activity, Smoking

Socio-economic:

Education, Family circumstances, Housing and accommodation, Income and finances, Informal support, Marital status, Occupation and employment, Unpaid care

Health service utilisation:

Formal health and social care service utilisation including private care