

The Rhineland Study

<https://www.neurodegenerationresearch.eu/cohort/the-rhineland-study/>

Cohort Acronym

Cohort type

General population-based cohort

Disease

Dementia (unclassified), Parkinson's disease, Subjective memory complaints (SMC) or subjective cognitive decline (SCD)

Participant type

No diagnosis

Profile

Recruitment Period 2016 - Present

Sample size at start or planned sample size if still recruiting 1000

Estimated Current Sample Size 10,000 to 19,999

Age at Recruitment >30

Gender Male and Female

Abstract

The Rhineland Study is a prospective cohort study, which began in March 2016. It will include up to 30,000 participants from Bonn and assess their physical and mental health over their lifespan. The study is scheduled to run for decades and participants will be re-examined every 3-4 years.

As neurodegenerative diseases and their pathologies develop over a long time before first symptoms start to show, the Rhineland Study will include men and women aged 30 years and above regardless of their health status.

The main aims of the study are:

1. To investigate modifiable and non-modifiable causes of neurodegenerative and neuropsychiatric diseases
2. To find biomarkers/(multimodal) biomarker profiles to identify individuals at risk for neurodegenerative or neuropsychiatric disease, who might benefit from preventive interventions
3. To investigate (patho)physiology over the adult life course, with specific emphasis on brain-related outcomes.

Last Update 21/09/2017

Country Germany

Contact details

Institution name The German Center for Neurodegenerative Diseases (DZNE)

Website www.rheinland-studie.de; <https://www.dzne.de/en/science-society/rheinland-studie.html>

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Funders (Core support) Long term institutional core funding

Variables Collected

Brain related measures:

Behaviour, Cognitive function, Mental health, Neurological

Functional rating:

Individual physiological, Individual psychological

Anthropometric:

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

Physical:

Cardiovascular, Hearing and Vision, Reproductive

Biological samples:

Blood, Microbiome, Other, 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, Unpaid care

Health service utilisation:

N/A