



**Lifebrain**

# HEALTHY MINDS FROM 0-100 YEARS:

Optimizing the use  
of European brain  
imaging cohorts



## BRAIN HEALTH

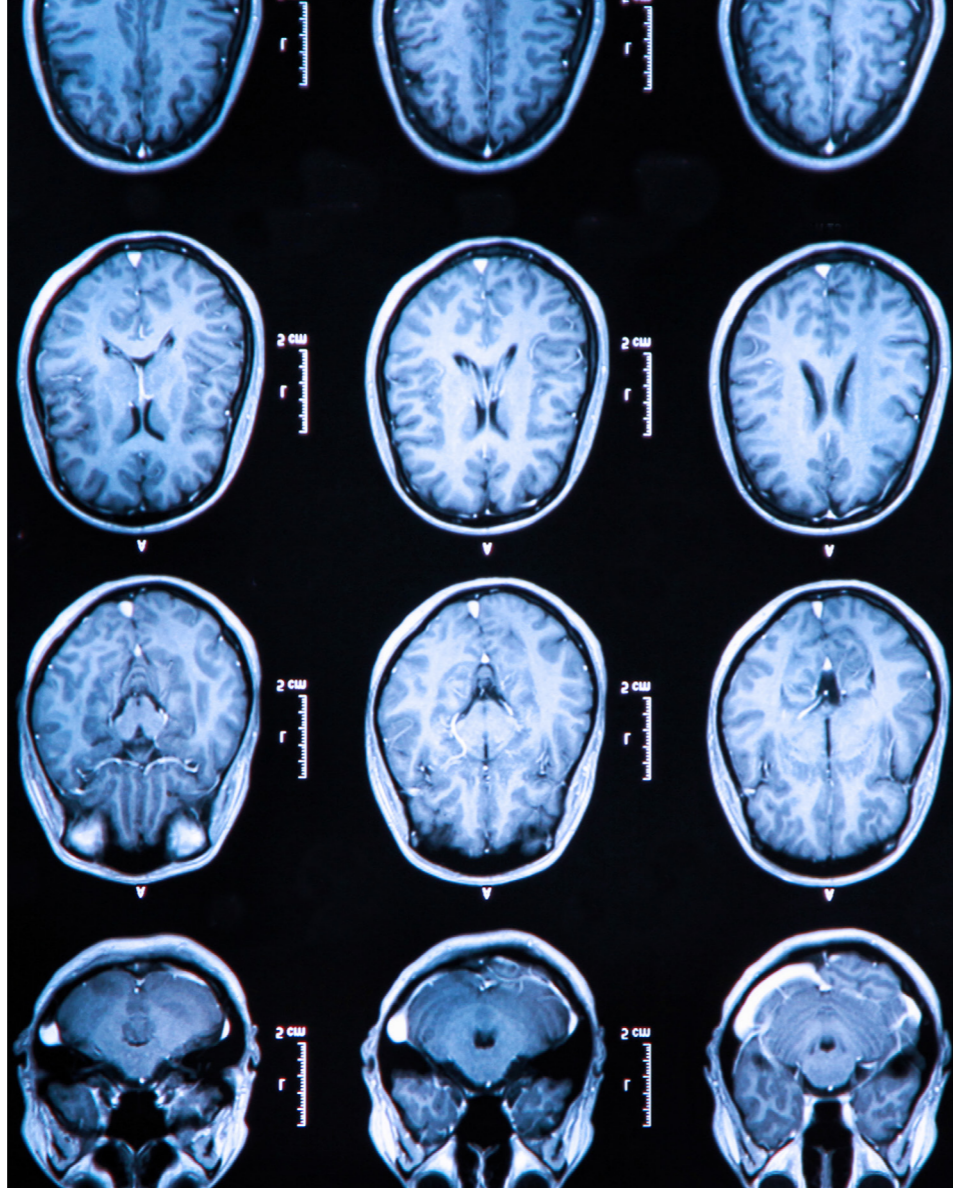
A healthy brain is essential to enjoy a good and productive human life. Many environmental, social, occupational, and lifestyle factors influence brain health. The LIFE BRAIN project aims to identify these factors and understand how they influence brain development, cognitive function and mental health at different stages of life.

## PERSONALIZED HEALTH CARE FOR PREVENTION AND INTERVENTION

Increased knowledge about risk and protective factors influencing brain health will enable better prevention of mental diseases and neurodegenerative disorders in Europe and worldwide. Better brain health means improved cognitive function in childhood, adolescence, and adulthood, and delayed onset of dementia. Better brain health also means reduced need for health care and improved working ability.

## DATA HARMONIZATION AND INTERGRATION

LIFE BRAIN integrates data



from 6000 European research participants collected in 11 European brain-imaging studies in 7 countries. The data provide information about changes in brain structure, cognitive function and mental health.

LIFE BRAIN also aims to collect additional data and biological samples from some participants in the studies.

Advanced analyses of markers for brain health will be performed

on some of the collected samples. These markers may represent risk as well as beneficial factors for brain health and can be of importance for early diagnosis of brain status.

## ENGAGING STAKEHOLDERS

LIFE BRAIN aims to work actively with key stakeholders to:

- Increase awareness about brain, cognitive and mental health problems
- Secure translation of research into hands-on health policy, including prevention strategies
- Facilitate the collection of additional data
- Increase transparency of research

LIFE BRAIN's stakeholders include:

- Research participants in the European cohorts
- Patient organizations working with premature infants, children and youths, dementia, mental health, Alzheimer disease, and Parkinson disease
- Health and education policymakers at local, national and EU level
- Clinical and research centers, and research networks

- Civil society organizations with an interest in brain health

LIFE BRAIN'S methods of engagement are:

- Consultation of stakeholders regarding research and policy-related topics through meetings, online surveys, and smartphone applications
- Dissemination of research findings in scientific articles, presentations, monthly newsletters, website, social media, and stakeholder forums

## TIME FRAME

LIFE BRAIN started January 2017 and has been funded with 10 million EUR by the European Commission

for 5 years, Horizon2020, Grant agreement no: 732592 - Lifebrain - H2020-SC1-2016-2017/H2020-SC1-2016-RTD.

## LIFE BRAIN HAS 14 PARTNERS IN 8 COUNTRIES

[University of Oslo](#), [Vitas Ltd](#), [Frisch Center](#), [Norwegian Institute of Public Health](#) (NO), [Umeå University](#) (SE), [The Oxford University](#) (UK), [Medical Research Council](#), [University of Cambridge](#) (UK), [Max-Planck Institute](#), [University of Lübeck](#) (GE), [University of Barcelona](#) (ES), [Region Hovedstaden](#) (DK), [University of Geneva](#) (CH), [VU University Medical Center](#) (NL)

COUNTRY	COHORTS
Norway	<a href="#">LCBC</a>
Denmark	<a href="#">HUBU</a> , <a href="#">LISA</a>
Sweden	<a href="#">Cobra</a> , <a href="#">Betula</a>
Great Britain	<a href="#">CamCAN</a> , <a href="#">CALM</a> , <a href="#">Whitehall II</a>
Germany	<a href="#">BASE I</a> and <a href="#">BASE II</a>
Netherlands	<a href="#">NESDA</a>
Spain	<a href="#">Barcelona</a>

## CONTACT US TO BENEFIT FROM LIFE BRAIN

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