# Resource Summary Report

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## EMIF

RRID:SCR_010495
Type: Tool

### Proper Citation

EMIF (RRID:SCR_010495)

### Resource Information

**URL:** http://www.emif.eu/

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**Description:** A project that aims to improve access to human health data by developing a common information framework (EMIF-Platform) that allows for efficient re-use of existing health data, opening up new avenues of research for scientists. To ensure immediate applicability, the project includes two specific therapeutic research topics: the onset of Alzheimer's Disease (EMIF-AD) and metabolic complications of obesity (EMIF-Metabolics). The AD Topic aims to discover and validate biomarkers of AD onset in the preclinical and prodromal phase as well as for disease progression and identify high-risk individuals for therapeutic trials for prevention. The Metabolic Topic aims to discover and evaluate biomarkers for the risk of metabolic complications in obesity and to identify high-risk populations for intervention purposes. Collaboration between the 3 topics will ensure the development and delivery of an efficient Information Framework. This initiative has combined several data sets for neuroimaging including ADNI and several others, curating them into transmart.

**Abbreviations:** EMIF

**Synonyms:** European Medical Information Framework

**Resource Type:** consortium, portal, organization portal, data or information resource

**Keywords:** metabolic complication, biomarker, tool development, data sharing, health data, preclinical, prodromal, interoperability, adult human, pediatric, young human, cell model, animal model, therapeutic target, trial design, high-risk population, metabolic, health, platform, prevention, clinical trial, disease progression

**Funding:** EFPIA ;
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**Resource Name:** EMIF

**Resource ID:** SCR_010495

**Alternate IDs:** nlx_158040

**Record Creation Time:** 20220129T080259+0000

**Record Last Update:** 20250421T053826+0000

## Ratings and Alerts

No rating or validation information has been found for EMIF.

No alerts have been found for EMIF.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 39 mentions in open access literature.

**Listed below are recent publications.** The full list is available at dkNET.

Beran M, et al. (2024) Biomarkers of endothelial dysfunction and cognition: A two-step IPD meta-analysis. Alzheimer's & dementia : the journal of the Alzheimer's Association, 20(12), 8402.

Delvenne A, et al. (2024) CSF proteomic profiles of neurodegeneration biomarkers in Alzheimer's disease. Alzheimer's & dementia : the journal of the Alzheimer's Association, 20(9), 6205.

Smith RG, et al. (2024) Blood DNA methylomic signatures associated with CSF biomarkers of Alzheimer's disease in the EMIF-AD study. Alzheimer's & dementia : the journal of the Alzheimer's Association, 20(10), 6722.

Koetsier J, et al. (2024) Blood-based multivariate methylation risk score for cognitive impairment and dementia. Alzheimer's & dementia : the journal of the Alzheimer's Association, 20(10), 6682.

Moonen JEF, et al. (2024) Contributions of amyloid beta and cerebral small vessel disease in

clinical decline. Alzheimer's & dementia : the journal of the Alzheimer's Association, 20(3), 1868.

Sohn H, et al. (2023) Deportations and departures: Undocumented Mexican immigrants' return migration during three presidential administrations. Proceedings of the National Academy of Sciences of the United States of America, 120(9), e2212184120.

Pereira A, et al. (2022) Semantic Data Visualisation for Biomedical Database Catalogues. Healthcare (Basel, Switzerland), 10(11).

Neumann A, et al. (2022) Rare variants in IFFO1, DTNB, NLRC3 and SLC22A10 associate with Alzheimer's disease CSF profile of neuronal injury and inflammation. Molecular psychiatry, 27(4), 1990.

Konijnenberg E, et al. (2021) Onset of Preclinical Alzheimer Disease in Monozygotic Twins. Annals of neurology, 89(5), 987.

Collij LE, et al. (2021) White matter microstructure disruption in early stage amyloid pathology. Alzheimer's & dementia (Amsterdam, Netherlands), 13(1), e12124.

Brito MF, et al. (2021) Scientific Advances in Diabetes: The Impact of the Innovative Medicines Initiative. Frontiers in medicine, 8, 688438.

Aerts H, et al. (2021) Quality of Hospital Electronic Health Record (EHR) Data Based on the International Consortium for Health Outcomes Measurement (ICHOM) in Heart Failure: Pilot Data Quality Assessment Study. JMIR medical informatics, 9(8), e27842.

Pelkmans W, et al. (2021) Amyloid-?, cortical thickness, and subsequent cognitive decline in cognitively normal oldest-old. Annals of clinical and translational neurology, 8(2), 348.

van de Kreeke JA, et al. (2021) Longitudinal retinal layer changes in preclinical Alzheimer's disease. Acta ophthalmologica, 99(5), 538.

Perera G, et al. (2020) Vascular and metabolic risk factor differences prior to dementia diagnosis: a multidatabase case-control study using European electronic health records. BMJ open, 10(11), e038753.

Dubbelman MA, et al. (2020) Decline in cognitively complex everyday activities accelerates along the Alzheimer's disease continuum. Alzheimer's research & therapy, 12(1), 138.

Westwood S, et al. (2020) Validation of Plasma Proteomic Biomarkers Relating to Brain Amyloid Burden in the EMIF-Alzheimer's Disease Multimodal Biomarker Discovery Cohort. Journal of Alzheimer's disease : JAD, 74(1), 213.

Newby D, et al. (2020) Methotrexate and relative risk of dementia amongst patients with rheumatoid arthritis: a multi-national multi-database case-control study. Alzheimer's research & therapy, 12(1), 38.

Legdeur N, et al. (2020) Associations of Brain Pathology Cognitive and Physical Markers

With Age in Cognitively Normal Individuals Aged 60-102 Years. The journals of gerontology. Series A, Biological sciences and medical sciences, 75(9), 1609.

Shi L, et al. (2020) Dickkopf-1 Overexpression in vitro Nominates Candidate Blood Biomarkers Relating to Alzheimer's Disease Pathology. Journal of Alzheimer's disease : JAD, 77(3), 1353.