

Resource Summary Report

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KI Biobank - HARMONY

RRID:SCR_008884

Type: Tool

Proper Citation

KI Biobank - HARMONY (RRID:SCR_008884)

Resource Information

URL: <http://ki-su-arc.se/dementia-in-swedish-twins-harmony/>

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Description: A twin study characterizing the importance of genetic factors for dementia and using discordant twin pairs to study other putative risk factors which control for genetic propensity to develop the disease. Molecular genetic studies have identified a number of mutations and other markers associated with early age of onset Alzheimer's disease. However, most cases of late age of onset dementia are considered sporadic, that is, without a clear genetic basis. Twin studies provide a unique opportunity to characterize the importance of genetic factors for dementia. Discordant twin pairs additionally provide the opportunity to study other putative risk factors which controlling for genetic propensity to develop the disease. In the first wave of the Study of Dementia in Swedish Twins, all SATSA twins born before 1935 have been screened for dementia symptoms. Over 190 suspects have been identified. This pilot study has been expanded to the entire registry in the study known as HARMONY. All twins aged 65 and older were invited to participate in a computer assisted telephone screening interview. A total of 13,519 individuals completed the interview (response rate = 75.9%). Dementia screening was based on the TELE, which includes the 10-item MSQ, other cognitive items (counting backwards, recalling three words, and similarities), and questions about health and daily functioning; or on Blessed scores obtained from a proxy interview. Among those screened, 1565 were positive for suspicion of dementia and were referred for complete clinical evaluation by a physician and a nurse. Once the preliminary in-person evaluation suggested that the suspected case was demented, the twin partner was also invited for an identical clinical work-up. Response rate for clinical evaluations is 71.4%. Approximately half of those visited for evaluation have been diagnosed as demented according to DSM-IV criteria, of which two-thirds have Alzheimer's disease. An extensive assessment of probable risk exposure is also included. Longitudinal follow-up is yet another feature of the study. Association studies with candidate genes are also being performed. Types of samples * DNA Number of sample donors * 1154 (sample collection completed)

Abbreviations: HARMONY

Synonyms: Dementia in Swedish Twins (HARMONY)

Resource Type: biomaterial supply resource, material resource

Keywords: interview, late adult human, clinical evaluation, association study, candidate gene, gene, risk factor, twin, longitudinal

Related Condition: Dementia, Alzheimer's disease, Discordant twin, Aging

Funding: NIH

Resource Name: KI Biobank - HARMONY

Resource ID: SCR_008884

Alternate IDs: nlx_151298

Old URLs: <http://ki.se/en/meb/dementia-in-swedish-twins-harmony>

Record Creation Time: 20220129T080249+0000

Record Last Update: 20260912T200238+0000

Ratings and Alerts

No rating or validation information has been found for KI Biobank - HARMONY.

No alerts have been found for KI Biobank - HARMONY.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Chandramohan D, et al. (2025) Dual role of Oct4 and Sox2 in controlling the developmental capacity and timing of tissue morphogenesis in the embryonic lineage. Developmental cell.

Kim C, et al. (2016) Antiviral activity of micafungin against enterovirus 71. Virology journal, 13, 99.