

Betula - åldrande, minne och demens

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Alternativ titel

Betula; The Betula cohort stud; The Betula prospective cohort study

Skapare/primärforskare

[Lars Nyberg](#) - Umeå universitet, Integrativ medicinsk biologi

[Lars-Göran Nilsson](#) - Stockholms universitet, Psykologiska institutionen

[Rolf Adolfsson](#) - Umeå universitet, Psykiatri

[Lars Bäckman](#) - Karolinska Institutet, Institutionen för neurobiologi, vårdvetenskap och samhälle

Forskningshuvudman

[Umeå universitet](#) - Institutionen för integrativ medicinsk biologi (IMB)

Diarienummer hos huvudman

97-173 (§7/870303)

03-484

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Beskrivning

Betulaprojektet är en longitudinell studie av åldrande, minne och demens. Insamlingen till projektet skedde i sex vågor mellan 1988–2014: 1988–1990 (testvåg 1); 1993–1995 (testvåg 2); 1998–2000 (testvåg 3); 2003–2005 (testvåg 4); 2008–2010 (testvåg 5); 2013–2014 (testvåg 6).

Vid varje testtillfälle har varje deltagare genomgått en noggrann hälsoundersökning med blodprovstagnning hos en sjuksköterska och en noggrann undersökning hos en minnestestare. Det finns data insamlat från ca 4700 deltagare. Vid varje tillfälle insamlas data för ungefär 2000 variabler för varje deltagare som inkluderar data om demografi, hälsa, sjukdom, medicinering, sociala faktorer och kognitiva faktorer.

Betulaprojektet har fått bidrag för forskningsinfrastruktur (stora databaser) från Vetenskapsrådet. Det innebär en kraftig satsning på att bygga upp databasen för Betula och göra databasen tillgänglig även för forskare utanför projektet i form av samarbeten med forskare direkt kopplade till Betulaprojektet. Till Betulas databas är även kopplad gendata och biologiska prov.

Syfte:

Studera hur minnesfunktioner förändras under vuxenlivet, att bestämma riskfaktorer för demens och tidigare prekliniska tecken på demens och att bestämma vilka de kritiska faktorerna av det goda åldrandet är.

Data innefattar personuppgifter

Ja

Data innehåller känsliga personuppgifter

Ja

Typ av personuppgifter

Pseudonymiserade data

Kodnyckel existerar

Ja

Språk

[Engelska](#)

[Svenska](#)

Analysenhet

[Individ/patient/person](#)

Population

Personer i åldersgrupper mellan 25-80 år bosatta i Umeå kommun.

Studiedesign

Observationsstudie

Kohortstudie

Kohortstudie: Prospektiv

Beskrivning av studiedesign

Studien startade med 1000 slumpmässigt utvalda personer i Umeås kommun som inkluderades från åldersgrupperna 35, 40, 45, 50, 55, 60, 65, 70, 75 och 80 år. Det var 100 i varje ålderskohort och könsfördelningen såg ut ungefär som i populationen dvs ungefär lika många män som kvinnor i de yngre åldersgrupperna och ungefär dubbelt så många kvinnor som män i åldersgrupperna 70 och uppåt. Under studiens gång rekryterades ytterligare fem sample i olika omgångar som sträckte sig mellan åldersgrupperna 25-95 år.

Urvalsmetod

[Sannolikhetsurval: stratifierat urval](#)

1000 personer i åldersgrupperna 35, 40, 45, 50, 55, 60, 65, 70, 75 och 80 blev slumpmässigt utvalda (sample 1, S1). Det ingick 100 personer i varje ålderskohort, könsfördelningen avspeglade könsfördelningen i populationen d.v.s ungefär lika många män som kvinnor i de yngre åldrarna, ungefär dubbelt så många kvinnor som män från åldersgruppen 70 och uppåt (testtillfälle 1, T1). Vid T2, fem år senare, inkallades ytterligare två sample, S2 (ca 1000 st, 35-80 år) och S3 (ca 960 st, 40-85 år). Vid T3 kallades sample 4 in (ca 500st, 35-90 år). Vid T4, kallades sampel 5 in (ca 500 st, 35-95 år) och vid T5 kallades sample 6 (ca 350st, 25-80 år).

Tidsperiod(er) som undersökts

1988 - 2014

Dataformat / datastruktur

[Numeriska](#)

[Text](#)

Datainsamling 1

- Beskrivning av insamlingsmetod: Psykologiska mätningar och tester, fysiska mätningar och tester, samt självadministrerade frågeformulär.
- Tidsperiod(er) för datainsamling: 1988 – 1990

Datainsamling 2

- Beskrivning av insamlingsmetod: Psykologiska mätningar och tester, fysiska mätningar och tester, samt självadministrerade frågeformulär.
- Tidsperiod(er) för datainsamling: 1993 – 1995

Datainsamling 3

- Beskrivning av insamlingsmetod: Psykologiska mätningar och tester, fysiska mätningar och tester, samt självadministrerade frågeformulär.
- Tidsperiod(er) för datainsamling: 1998 – 2000

Datainsamling 4

- Beskrivning av insamlingsmetod: Psykologiska mätningar och tester, fysiska mätningar och tester, samt självadministrerade frågeformulär.
- Tidsperiod(er) för datainsamling: 2003 – 2005

Datainsamling 5

- Beskrivning av insamlingsmetod: Psykologiska mätningar och tester, fysiska mätningar och tester, samt självadministrerade frågeformulär.
- Tidsperiod(er) för datainsamling: 2008 – 2010

Datainsamling 6

- Beskrivning av insamlingsmetod: Psykologiska mätningar och tester, fysiska mätningar och tester, samt självadministrerade frågeformulär.
- Tidsperiod(er) för datainsamling: 2013 – 2014

Geografisk utbredning

Geografisk plats: [Sverige](#)

Geografisk beskrivning: Umeå kommun

Ansvarig institution/enhet

Institutionen för integrativ medicinsk biologi (IMB)

Finansiering 1

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Umeå - dnr 97-173 (§7/870303)

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Forskningsområde

[Medicin och hälsovetenskap](#) (Standard för svensk indelning av forskningsämnen 2011)

[Geriatrik](#) (Standard för svensk indelning av forskningsämnen 2011)

[Allmän hälsa och välbefinnande](#) (CESSDA Topic Classification)

Nyckelord

[Äldre](#), [Åldrande](#), [Åldersgrupper](#), [Aktiviteter i dagliga livet](#), [Miljö och folkhälsa](#), [Diagnos](#), [Datainsamling](#), [Demens](#), [Beteende och beteendemekanismer](#), [Livsstil](#), [Intervjuer \[publikationstyp\]](#), [Medicin](#), [Äldrevård](#), [Minne](#), [Longitudinella studier](#), [Populationsövervakning](#), [Riskfaktorer](#), [Epidemiologi](#), [Folkhälsa](#), [Gener](#), [Genetik](#), [Genetiska markörer](#), [Hälsa](#), [Minnesförmåga \(psykologi\)](#), [Ärftlighet](#), [Near-national e-infrastructure for aging research](#)

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Tillgänglighetsnivå

Åtkomst till data via extern aktör
Tillgång till data är begränsad

Hemsida

[Betulaprojektet](#)

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Kontakt för frågor om data

Mikael Stiernstedt

mikael.stiernstedt@umu.se

Ingår i samling hos SND

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