

The West of Scotland Twenty 07 Study

<https://neurodegenerationresearch.eu/survey/the-west-of-scotland-twenty-07-study/>

Title of the cohort

The West of Scotland Twenty 07 Study

Acronym for cohort

Name of Principal Investigator

Title Ms

First name Michaela

Last name Benzeval

Address of institution where award is held

Institution MRC Social and Public Health Sciences Unit

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United Kingdom

Website

<http://2007study.sphsu.mrc.ac.uk/>

Contact email

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Funding source

Medical Research Council

1. The cohort includes, or expects to include, incidence of the following conditions

- Neurodegenerative disease in general

When studies on the above condition(s) are expected to become possible

Already possible

2a. Stated aim of the cohort

The Twenty-07 Study was set up in 1986 in order to investigate the reasons for differences in health by socio-economic circumstances, gender, area of residence, age, ethnic group, and family type.

2b. Features distinguishing this cohort from other population cohorts

The study consists of three cohorts born twenty years apart and each followed up for twenty years.

3a. i) Number of publications that involve use of cohort to date

0

3a. ii) Up to three examples of studies to date (PI, Institution, Title of Study)

3b. Publication list/link to where data or publications are accessible (if available)

<http://2007study.sphsu.mrc.ac.uk/publications.html>

3c. Information (i.e. research findings) expected to be gained from the population cohort

4a. Study criteria: age range of participants at recruitment

Age in years from: 15

To ('until death' if applicable): 55

4b. Study criteria: inclusion criteria

Living in the study area, in the community, being one of the appropriate ages, and being selected via the two stage random sampling process. ee Benzeval M, Der G, Ellaway A, Hunt K, Sweeting H, West P, Macintyre S. Cohort Profile: West of Scotland 20-07 study: health in the community. International Journal of Epidemiology 2009; 38:1215-23.

4c. Study criteria: exclusion criteria

Not living in the study area, not in the community, not being one of the appropriate ages, and not being randomly selected. ee Benzeval M, Der G, Ellaway A, Hunt K, Sweeting H, West P, Macintyre S. Cohort Profile: West of Scotland 20-07 study: health in the community. International Journal of Epidemiology 2009; 38:1215-23. At most waves, respondents with (say) severe dementia and those living in institutions would not have been interviewed. At the final wave in 2007/2008, some respondents with dementia were given a shortened or proxy interview and some in institutions were interviewed.

5. Size of the cohort (i.e. number of participants enrolled)

1,000 – 5,000 participants

6a. Measures used to characterise participants

Self-reported health

General well-being

Symptoms

Chronic conditions

Disabilities

Vision

Hearing

Mental health

Use of health care services

Medications

Physical health measures

Height (standing and sitting)

Weight

Waist
Hips
Blood pressure
Respiratory function
Grip strength
Bioimpedance
BP reactivity (wave 3 only)
Biological samples
Secretory Immunglobulin A (wave 3 only)
Blood samples (wave 5 only)
DNA (wave 5 only)
Cognition
AH4 (waves 1,4,5 only)
Reaction times
Life circumstances
Family formation
Household composition
Housing tenure and conditions
Ownership of household goods
Domestic labour & caring responsibilities
Family health
Employment status
Occupation and work environment
Income
Family networks
Social support
Life events
Behaviours
Diet
Exercise
Smoking
Alcohol and illegal drug use
Sexual behaviour and contraceptive use
Preventative health care use
Illness behaviour
Social participation
Leisure activities
Criminal activities
Beliefs, attitudes and values
Concepts of health
Beliefs about illness
Health knowledge
Self esteem
Mastery
Religious beliefs
Worries
Beliefs about gender, age and marital roles
Life satisfaction

Opinions

See Benzeval M, Der G, Ellaway A, Hunt K, Sweeting H, West P, Macintyre S. Cohort Profile: West of Scotland 20-07 study: health in the community. International Journal of Epidemiology 2009; 38:1215-23.

6b. Additional measures for participants with a clinical disorder

No, although details such as severity and medications were asked of any medical conditions reported.

6c. Are there defined primary and secondary endpoints (e.g. defined health parameters)

At each wave of the study there were questions on medical conditions. Also, respondents are flagged for mortality with the NHSCR so we have cause of death for those who have died.

7. Study design

- Prospective cohort

8. Cases matched by

- Other health assessment (specify) / N/A
- not matched

9a. Does the study include a specialised subset of control participants

No

9b. If yes, description of specialised subset of control participants

10a. i) Data collection start date

01-01-1987

10a. ii) Data collection end date

31-12-2008

10a. iii) Data collection for this study is

Data analysis ongoing

10b. Plans to continue the cohort study beyond the current projected end date

- No

11. Data collected

- Through links to other records or registers (such as dental records, police records etc). Please specify
- links to NHSCR for death certificates

12. System in place to enable re-contact with patients for future studies

Yes (participants have given permission to be re-contacted via the PIs to ask if they would participate in further studies)

13a. Format and availability of data stored in a database

Yes/No % available

Data summarised in database yes 100%

Database is web-based

Database on spreadsheet

Database is on paper

Other (specify)

Language used:

English

13b. Format and availability of data held as individual records

Yes/No % available

Data held as individual records yes 100%

Data is web-based

Data held on computer based records

Data held on cards

Other (specify)

Language used:

English

14a. Are data available to other groups

Yes

14b. Access policy/mechanisms for access if data are available to other groups

- Apply to PI or co-ordinator at resource
- Access through collaboration with PI only
- Access Committee mechanism
- Local/ regional access
- National access
- Access restricted to peer-reviewed work
- Other criteria (please specify) See <http://2007study.sphsu.mrc.ac.uk/access-to-information-collected-by-the-twenty-07-study.html>

15. Data sharing policy specified as a condition of use

Data to be made publicly available immediately

16a. Are tissues/samples/DNA available to other groups

Yes

16b. i) Description of available tissues/samples/DNA

- Living donors: blood
- Living donors: DNA

16b. ii) Form available tissues/samples/DNA are supplied in

- Secondary samples: plasma
- Secondary samples: DNA
- Other, please specify
- Secondary samples: serum

16b. iii) Is the access policy/mechanism for obtaining samples the same as that for obtaining data

No

17. Is information on biological characteristics available to other groups

- If available for a subset please specify number of patients and % of total cohort
- 2310 approx 50%