

Introduction to the CLS Cohorts

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CENTRE FOR
LONGITUDINAL
STUDIES

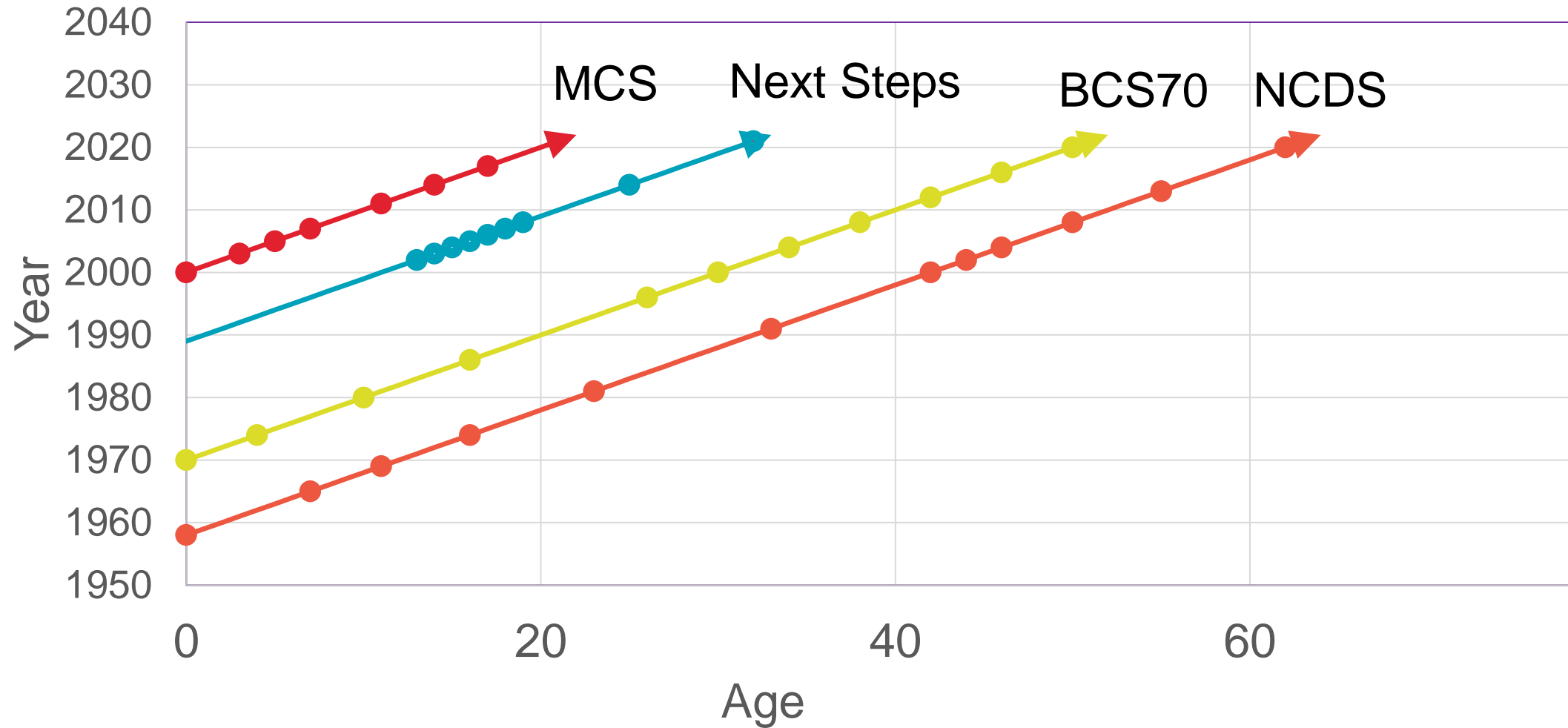


CLS Missing Data Workshop
27 April 2023



Economic
and Social
Research Council






Cohort age and timelines






1958 National Child Development Study (NCDS)

- Longitudinal birth cohort study of all babies born in a single week in Great Britain in 1958.
- Initial N = 17,415, later augmented by immigrants born in target week.
- Multidisciplinary content spanning physical and educational development, economic circumstances, employment, family life, health behaviour, wellbeing, social participation and attitudes.
- PI: George Ploubidis.

NCDS: Respondents, instruments and response

	1958 Birth	1965 7	1969 11	1974 16	1981 23	1991 33	2000 42	2003 44	2004 46	2008 50	2013 55
 main respondent	mother	parents	parents	subject/ parents	subject	subject	subject	subject	subject	subject	subject
 secondary respondent	medical	medical/ school	medical/ school	medical/ school		partner mother children					
 survey instruments		cognitive assess- ments	cognitive assess- ments	cognitive assess- ments				Bio- medical data collection		cognitive assess- ments	
 linked data				area of residence (census)	area of residence (census)						
 response	17,415	15,425	15,337	14,654	12,537	11,469	11,419	9,377	9,534	9,790	9,137

NCDS: Topics covered by life stage






 Birth	 School years	 Adult
<p>Family</p> <p>Parental employment</p> <p>Obstetric history</p> <p>Smoking in pregnancy</p> <p>Pregnancy (problems, antenatal care)</p> <p>Labour (length, pain relief, problems)</p> <p>Birth (problems, weight, gest age)</p>	<p>Family</p> <p>Parental employment</p> <p>Financial circumstances</p> <p>School</p> <p>Housing</p> <p>Views and expectations</p> <p>Attainment</p> <p>Health</p> <p>Behaviour</p> <p>Cognition</p>	<p>Family (partners, children)</p> <p>Employment</p> <p>Income</p> <p>Housing</p> <p>Courses and qualifications</p> <p>Basic skills</p> <p>Views and expectations</p> <p>Health</p> <p>Health-related behaviour</p> <p>Cognition</p>

1970 British Cohort Study (BCS70)

- Longitudinal birth cohort study of people born in England, Wales, Scotland and Northern Ireland in one week in 1970.
- Initial N = 17,196, though NI members not followed up after birth (unless moved to mainland).
- Collected information on health, physical, educational and social development, and economic circumstances, among other factors.
- PI: George Ploubidis



BCS70: Respondents, instruments and response

	1970	1975	1980	1986	1996	2000	2004	2008	2012	2016
	Birth	5	10	16	26	30	34	38	42	46
 main respondent	mother	parents	subject/parents	subject/parents	subject	subject	subject	subject	subject	subject
 secondary respondent	medical	medical	medical/school	medical/school			children			medical
 survey instruments		cognitive assessments	cognitive assessments	cognitive assessments and diaries	16-page postal questionnaire		cognitive assessments	telephone survey	vocabulary test	cognitive assessments
 linked data									Consent to data linkage	
 response	17,196	13,135	14,875	11,622	9,003	11,261	9,665	8,874	9,841	8,581

BCS70: Topics covered by life stage

 Birth	 School years	 Adult
<p>Family</p> <p>Parental employment</p> <p>Obstetric history</p> <p>Smoking in pregnancy</p> <p>Pregnancy (problems, antenatal care)</p> <p>Labour (length, pain relief, problems)</p> <p>Birth (problems, sex, weight, length)</p>	<p>Family</p> <p>Parental employment</p> <p>Financial circumstances</p> <p>Housing</p> <p>Health</p> <p>Behaviour</p> <p>School</p> <p>Views and expectations</p> <p>Attainment</p>	<p>Family (partners, children)</p> <p>Employment</p> <p>Income</p> <p>Housing</p> <p>Health</p> <p>Health-related behaviour</p> <p>Courses and qualifications</p> <p>Basic skills</p> <p>Cognitive ability</p> <p>Views and expectations</p>















Next Steps

- Longitudinal cohort study of people living in England who were born in 1989/90.
- Began in 2004 when study members were aged 13-14 and in Year 9.
- Initial N = 15,770, later booster sample of ethnic minorities.
- Previously known as the Longitudinal Study of Young People in England.
- Originally designed to study educational transitions, now broader content.
- PI: Morag Henderson.

Next Steps: Sample design

- Year 9 pupils attending maintained and independent schools, and pupil referral units.
- Two-stage probability proportional to size sampling procedure with oversampling of:
 - Deprived schools.
 - Minority ethnic students within schools.
- 838 maintained schools, 52 independent schools and 2 PRUs selected.

Next Steps: Respondents and response

	 2004 Age 14	 2005 Age 15	 2006 Age 16	 2007 Age 17	 2008 Age 18	 2009 Age 19	 2010 Age 20		 2017 Age 25	 2021 Age 32
 main respondent	Young person	Young person	Young person	Young person	Young person	Young person	Young person		Young adult	Adult
 Parent response	Main parent	Main parent	Main parent	Main parent						
 Linked data			National Pupil Database						Linkage consents sought	
 Response	15,770	13,539	12,439	11,801	10,430	9,799	8,682		7,701	
 Response rate	74%	86%	92%	92%	89%	87%	90%		50%	

Next Steps: Topics covered by life stage



School years

Family
Parental employment
Financial circumstances
Housing
Health
Behaviour
Educational attainment
Educational aspirations
Subject choice
Views and expectations
Parental reports on relationship
Bullying

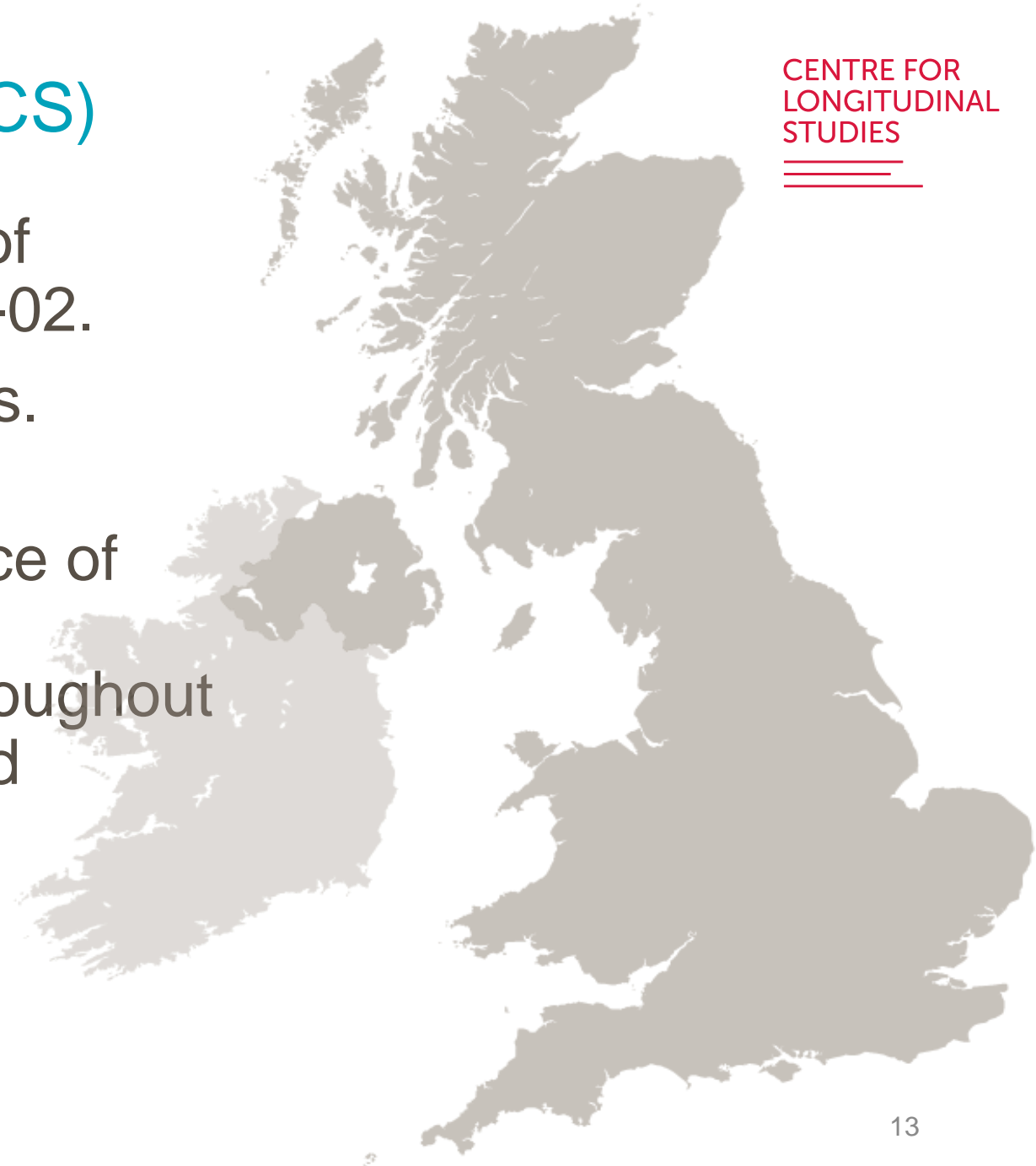


Early Adulthood

Educational transitions
Family (partners, children)
Employment
Income
Housing
Health
Courses and qualifications
Sexual identity
Political engagement
Locus of control

Millennium Cohort Study (MCS)

- Longitudinal birth cohort study of children born in the UK in 2000-02.
- Initial N = 18,818, later additions.
- Highly multidisciplinary survey, designed to capture the influence of early family context on child development and outcomes throughout childhood, into adolescence and through adulthood.
- PI: Emla Fitzsimons.



MCS: Sample design

- Population: Children born 2000-2001 (England and Wales) or 2000-2002 (Scotland and Northern Ireland), alive and living in the UK at age 9 months.
- Stratified sample with oversampling in:
 - Wales, Scotland and NI.
 - Areas with high child poverty.
 - Areas with higher ethnic minority populations (England only).
- Clustering by electoral ward (PSU).
- Sample drawn from child benefit records held by the Department of Work and Pensions.

MCS: Respondents, instruments and response

		2001 9 m	2004 Age 3	2006 Age 5	2008 Age 7	2012 Age 11	2015 Age 14	2018 Age 17
Both resident parents	Interview and questionnaire self-completion (resident parents)	x	x	x	x	x	x	x
	Questionnaire self-completion				x	x	x	x
	Physical measurements		x	x	x	x	x	x
Cohort member	Cognitive assessments		x	x	x	x	x	x
	Activity monitor				x		x	
	Time use record						x	
	Saliva for DNA & genotyping						x	
	Response (families)	18,552	15,590	15,246	13,857	13,287	11,726	10,625

Also: consent to link administrative health records (to age 14), education records (to age 16), parents' economic records; older sibling and teacher surveys.

Cross-cohort COVID-19 Online Surveys

Study	Age in 2020
MCS (including parents)	19
Next Steps	30
BCS70	50
NCDS	62
(NSHD)	(74)

NSHD: National Survey of Health and Development.

Design

May 2020: W1. Web-only

- Conducted in house using Qualtrics.
- Target sample only cases with email addresses.

Sept 2020: W2. Web-only

- Externally commissioned to Kantar Public.
- Target sample all eligible cases.
- Postal and text contact/reminders .
- Incentives for Next Steps.

Jan 2021: W3. Web plus telephone

- Includes telephone follow-up (targeted).

Wave 1 response

- Total achieved sample: 18,042; response rate: 35.7% (37.5% excluding MCS parents).

Cohort	Issued sample	Response within issued sample
NSHD	1,843	1,258 (68.3%)
NCDS	8,943	5,178 (57.9%)
BCS70	10,458	4,223 (40.4%)
Next Steps	9,380	1,907 (20.3%)
MCS cohort members	9,946	2,645 (26.6%)
MCS parents	9,909	2,831 (28.6%)

- Wave 2 – achieved sample over 25k.
- Wave 3 – target sample size c. 30k.

Cross-cohort COVID-19 Online Surveys: Wave 1

- Surveyed in May 2020 (height of lockdown restrictions).
- Focused mainly on how lives had changed from just before the outbreak of the pandemic.
- Topics included:
 - Physical health (including COVID-19)
 - Time use
 - Family and household
 - Financial situation and benefits
 - Employment and education
 - Health behaviours
 - Mental health and social connectedness
- Over 18,000 participants. Data available via UK Data Service.

Cross-cohort COVID-19 Online Surveys: Wave 2

- Surveyed in September 2020.
- Aimed to capture how lives have changed from Wave 1.
- Topic areas mirror closely those for Wave 1, with additional questions about:
 - Health care
 - Financial transfers
 - Life events
 - Children's schooling in summer and autumn term
- Data became available Dec 2020.
- Wave 3 late-Jan to early-March 2021.

Accessing more information/data

The screenshot shows the homepage of the Centre for Longitudinal Studies. At the top, there is a navigation menu with links for HOME, ABOUT, NEWS, EVENTS, and CONTACT. Below this is the UCL logo and a secondary navigation bar with categories like COVID-19, Our studies, Our research, Publications and resources, and Data access and training. The main content area features two large featured articles: 'Millennium Cohort Study age 17 data now available' and 'NHS administrative data linked to Next Steps now available to researchers via UK Data Service'. Below these, there is a section titled 'CENTRE FOR LONGITUDINAL STUDIES' with a brief overview of the center's work. At the bottom, four circular icons represent different cohort studies: 1958 National Child Development Study, 1970 British Cohort Study, Next Steps, and Millennium Cohort Study, each with a short description.

cls.ucl.ac.uk

The screenshot shows the homepage of the UK Data Service. The top navigation bar includes links for About us, Get data, Use data, Manage data, Deposit data, and News and events. A search bar is prominently displayed with the text 'Explore the UK's largest collection of social, economic and population data resources'. Below the search bar, there are sections for 'How to cite data correctly' featuring a video titled 'CITE THE DATA', and 'Guides and resources' with links to dataset guides, topic guides, and methods and software guides. A 'See data from all over the world' section includes a 'Browse our data map' button. The 'Data types' section lists various data sources like Census data and International macrodata. The 'Latest data' section highlights recent releases such as 'Political Ambition in Britain Survey, 2017' and 'OECD International Migration Statistics, 1941-2017'. There are also sections for 'News', 'Events', and 'Twitter' with recent updates and webinar announcements.

ukdataservice.ac.uk

Thank you.