UK Data Service

Data in the spotlight – longitudinal data

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UK Data Service/ UKDA/ University of Essex

Online workshop, 30 November 2021

Economic and Social Research Council

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Roadmap

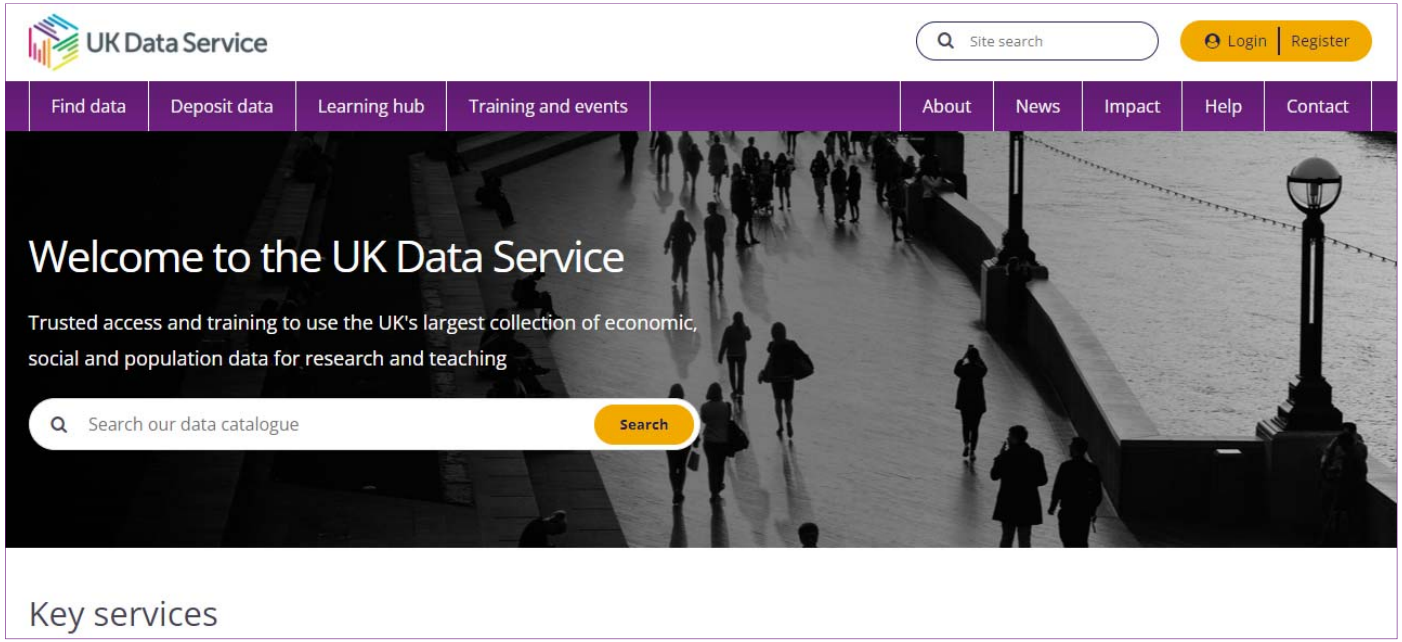
- Mentimeter Time
- UK Data Service – intro
- What longitudinal data are available via the UK Data Service
- Where to find and how to access data, resources and help
- Hands-on practicals

UK Data Service

UK Data Service - intro

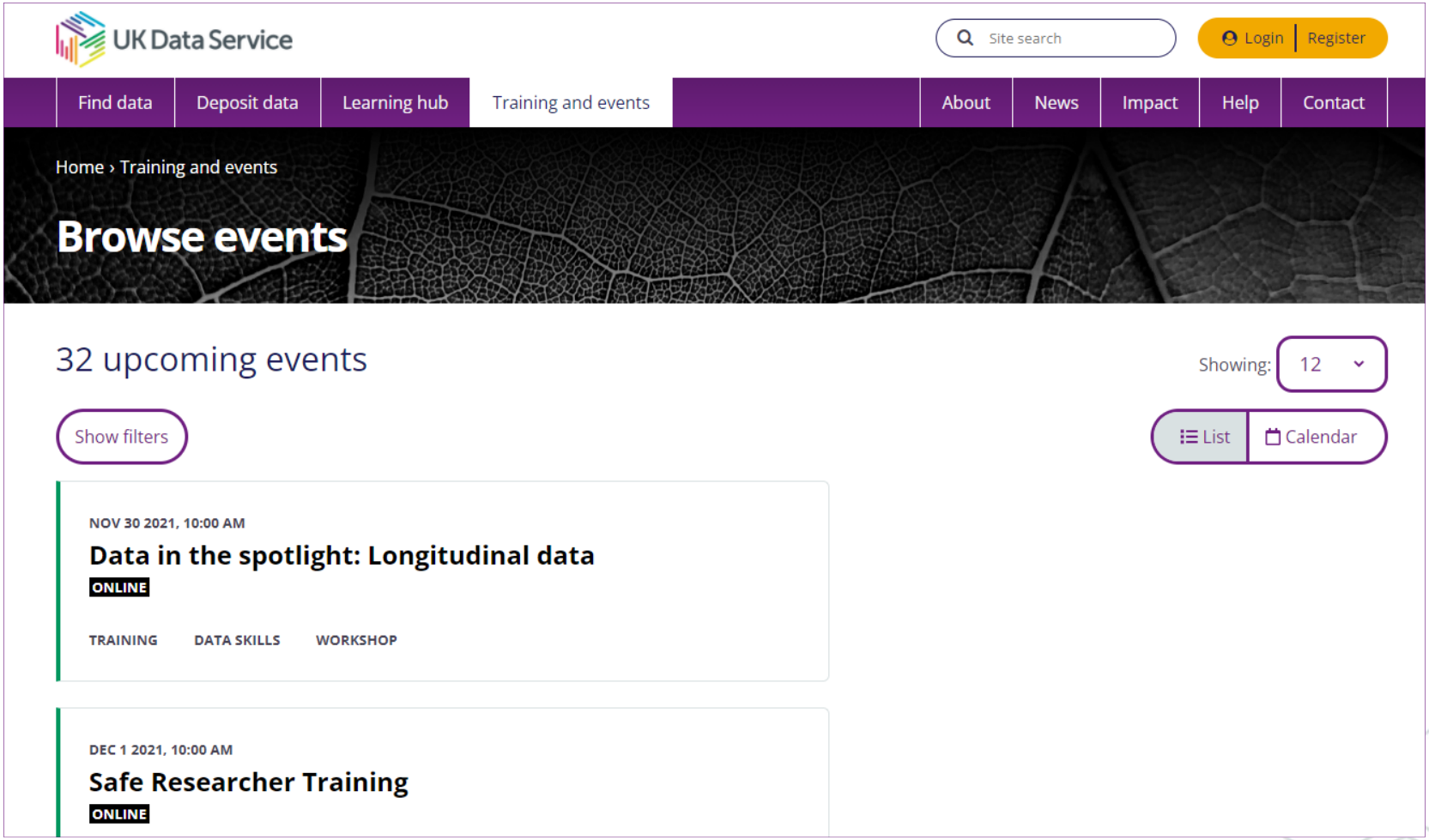
What is the UK Data Service

- a comprehensive resource funded by the ESRC
- a single point of access to a wide range of secondary social science data
- support, training and guidance



ukdataservice.ac.uk

Slides and recording of the event



ukdataservice.ac.uk/training-events/

Who is it for?

- academic researchers and students
- government analysts
- charities and foundations
- business consultants
- independent research centres
- think tanks

Data sources

- official agencies - mainly central government
- international statistical time series
- individual academics - research grants
- market research agencies
- public records/historical sources
- access to international data via links with other data archives worldwide

Types of data collections

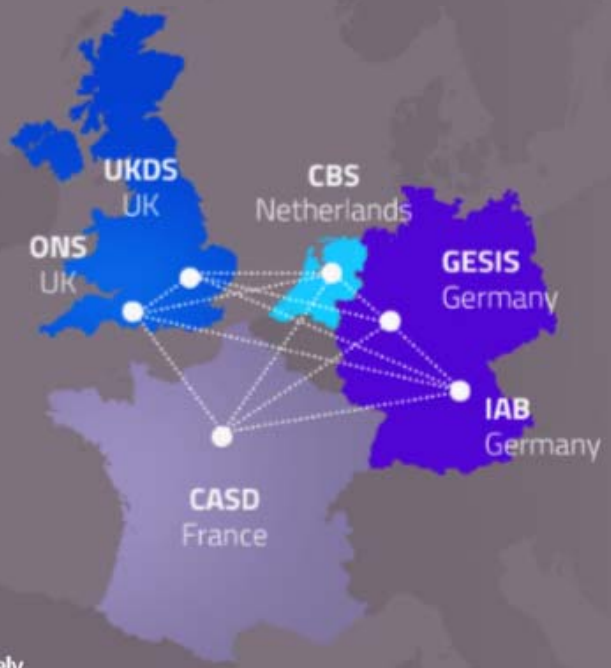
- **survey microdata**
  - cross-sectional
  - panel/ longitudinal
  - international microdata
- **aggregate statistics**
  - international macrodata
- **Census data**
  - aggregate data
  - flow data
  - microdata
  - boundary data
- **qualitative/ mixed methods data**
  - in-depth interview transcripts, diaries, anthropological field notes, answers to open-ended survey questions, audio-visual recordings and images

Data @ the UK Data Service

UK Surveys	large-scale government funded surveys
Longitudinal	major UK surveys following individuals over time
International	multi-nation aggregate databanks (macro) and survey (micro) data
Qualitative	range of multimedia qualitative and mixed methods data
Census	Census data 1961 – 2011
Business	business microdata
Administrative	records for admin. data, for which ADRN has negotiated researcher access
Controlled International Microdata	IAB (Germany) CASD (France)

IDAN
International Data Access Network

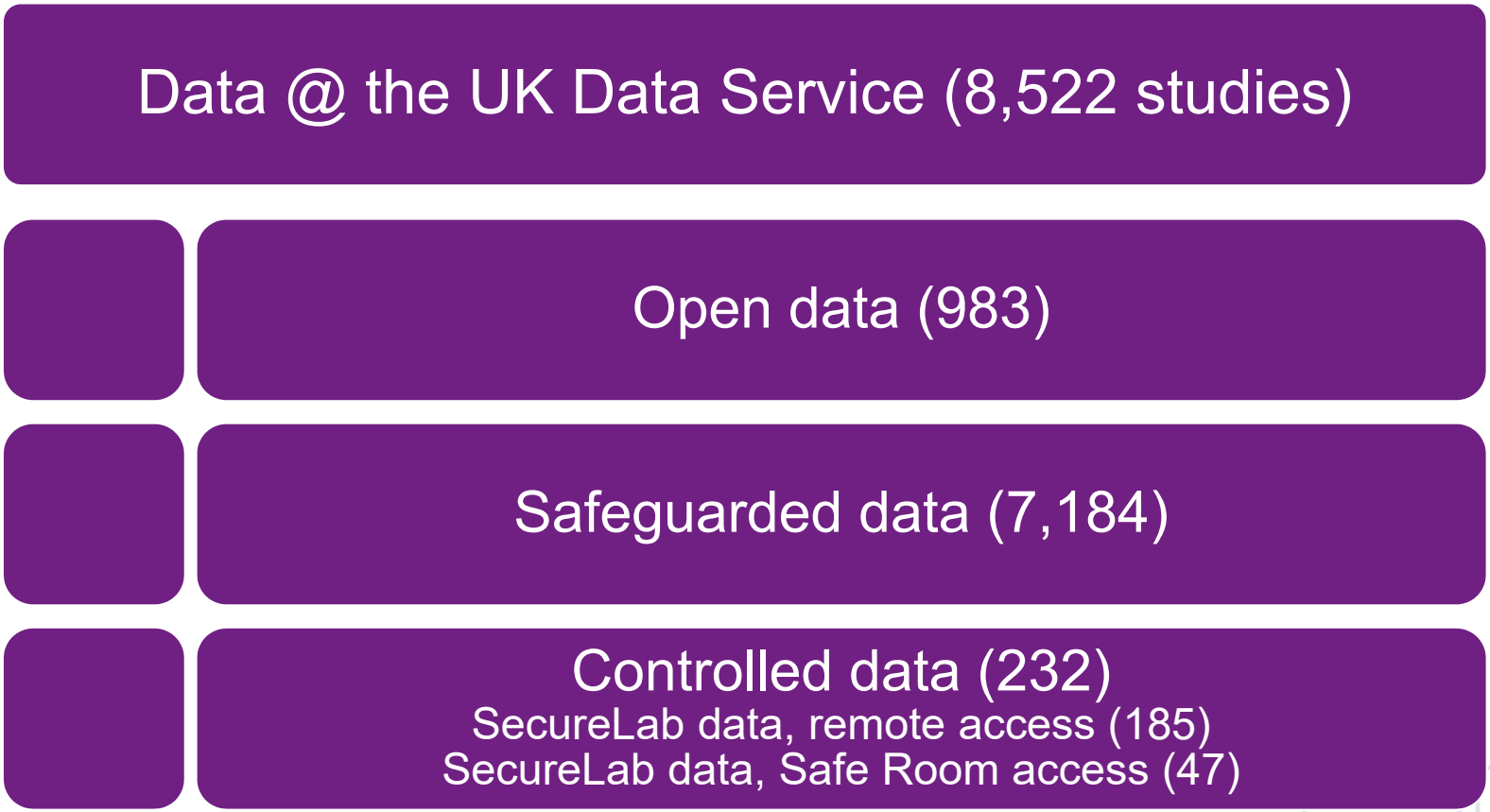
The IDAN project is a collaboration between **6 RESEARCH DATA CENTRES** (RDCs) from France, Germany, The Netherlands and the United Kingdom to facilitate research use of controlled access data between these RDCs/ countries via reciprocal provision of Safe Room Remote Desktop Access.



The Network will enable researchers to work remotely on controlled access data provided by partner countries

idan.network/

CASD · Office for National Statistics · gesis Leibniz Institute for the Social Sciences · IAB · UK Data Service


Data @ the UK Data Service (8,522 studies)
Open data (983)
Safeguarded data (7,184)
Controlled data (232)
SecureLab data, remote access (185)
SecureLab data, Safe Room access (47)

Our data collections by access level

Data access conditions	Access level
Open Licence	Open
End User Licence (EUL) [Authentication]	Safeguarded
Special Conditions (SC) [Authentication]	
Special Licence (SL) [Authentication, Accredited Researcher Status]	
SecureLab Data Access (remote) [Authentication, Accredited Researcher Status, Training + Test]	Controlled
SecureLab Data Safe Room Access (on-site) [Authentication, Accredited Researcher Status, Training + Test]	

The Government Statistical Service Policy for the release of social survey microdata ensures compliance with the
- Code of Practice for Official Statistics (CoP),
- Statistics and Registration Service Act (SRSA), 2007.

ons.gov.uk/methodology/methodologytopicsandstatisticalconcepts/disclosurecontrol/policyforsocialsurveymicrodata

Longitudinal data

- longitudinal surveys involve repeated surveys of the same individuals at different points in time
- large samples, nationally-representative
- new respondents are added regularly to keep numbers up
- allow researchers to analyse change at an individual level
- more complex to manage and analyse

Longitudinal data – some examples

- 1958 National Child Development Study (NCDS)
- 1970 British Cohort Study (BCS70)
- Millennium Cohort Study (MCS)
- British Household Panel Survey (BHPS)
- Understanding Society/
  UK Household Longitudinal Study (UKHLS)
- Families and Children Study (FACS)
- English Longitudinal Study of Ageing (ELSA)
- Next Steps (LSYPE 1) (Longitudinal Study of Young people in England - LSYPE) (1989-90)
- Our Future (LSYPE 2)
- Growing Up in Scotland (GUS)
- CLOSER (Cohort and Longitudinal Studies Enhancement Resources)

British Birth Cohort Studies (CLS)

impact of childhood conditions on education, later life health and economic circumstances and understanding children and families in the UK

- National Child Development Study follows a cohort (17,000) born in a single week in 1958 - data collected at birth & ages 7, 11, 16, 23, 33, 42, 46, 50 (7 Up TV series) 55, 62 (2020);
  add. biomedical survey (9,000) at age 45

- 1970 British Cohort Study follows a cohort (17,000) born in a single week in 1970 - data collected around birth & ages 5, 10, 16, 26, 30, 34, 38, 42, 46 (biomedical follow-up), 51 (2021)

- Millennium Cohort Study focuses on children born in 2000/ 2001(19,000) - sweeps at 9 months, 3, 5, 7, 11, 14, 17, and 22 (2022) years

wide range of social, economic, health, medical and psychological issues

British Birth Cohort Studies (CLS)

National Child Development Study (1958)

- has become a unique resource for investigating social mobility and the impact of childhood conditions on later life
- some data collections in this series have a special focus
  - e.g. partnership history, employment history, social participation and identity, response and death, parent migration, behavioural studies and essays

British Cohort Study 1970 (BCS70)

- Design and coverage is similar to NCDS – some of the recent sweeps used common questions
- Provides important opportunities for inter-cohort comparison
- Again, some data collections in this series have a special focus
  - e.g. education, partnership history, employment history

Millennium Cohort Study

- Provides important opportunities for inter-cohort comparison after a long gap of 30 years since 1970
- Again, some data collections in this series have a special focus
  - e.g. mothers who received fertility treatment, physical activity, teacher survey

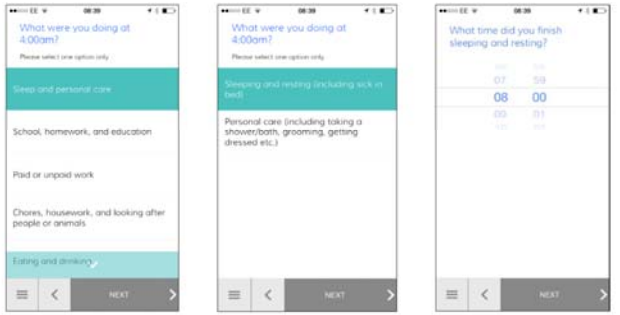
MCS age 14 - Time use diary app and activity monitor

The MCS Age 14 Survey was the first large-scale population study in the world to incorporate objective measurement of physical activity using accelerometers alongside self-reported time use for the same period into a social survey. It's also the first large-scale study to make use of new technologies, including both a specially-developed online diary and bespoke smartphone app, to collect this data. We embraced new technologies both in order to capture this highly detailed data in all its richness, and also to make the tasks more appealing to this age group, and thereby help engage them and improve response rates.

Paper diary

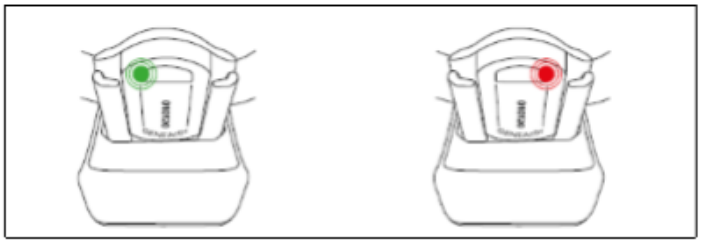
CENTRE FOR LONGITUDINAL STUDIES

App diary



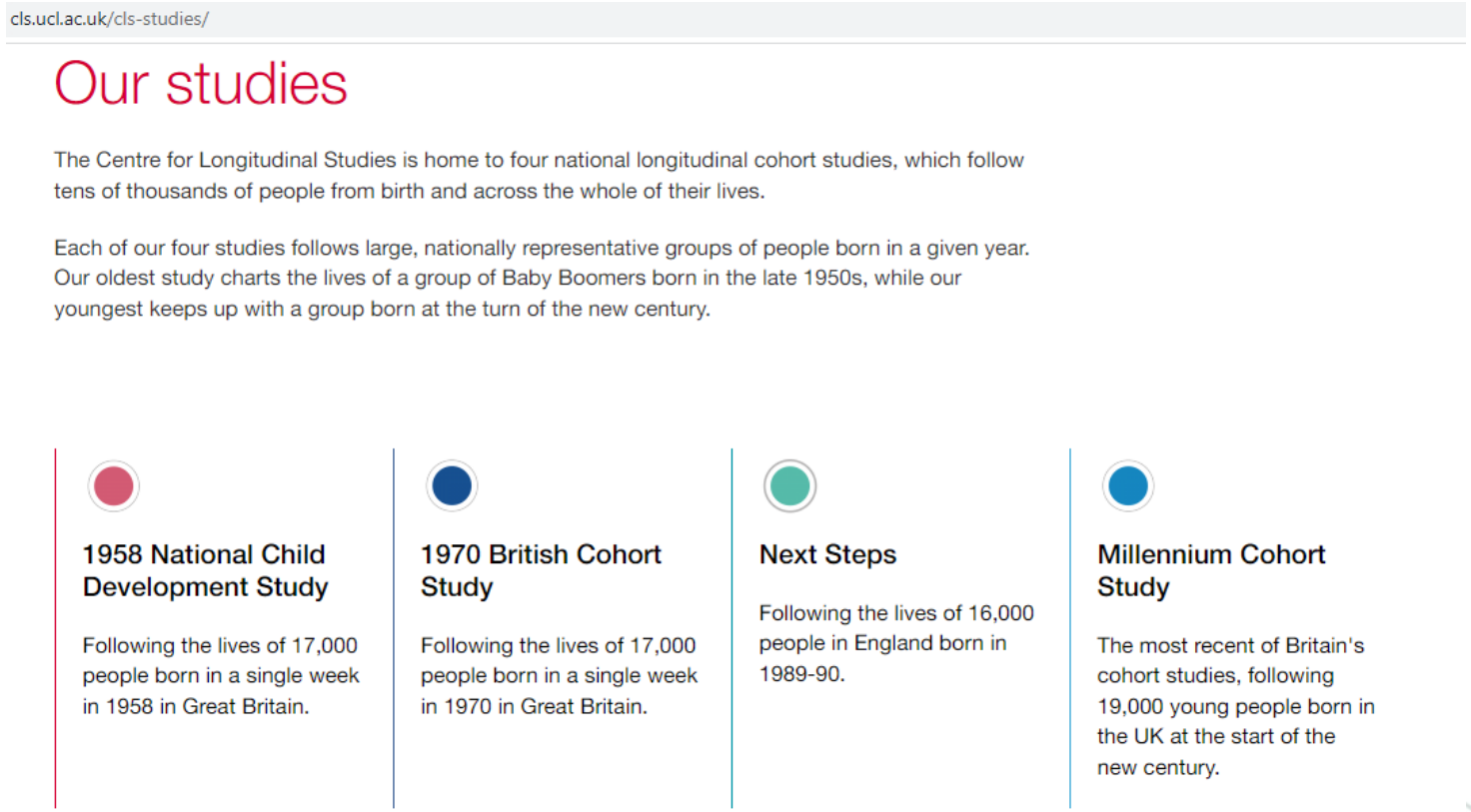
CENTRE FOR LONGITUDINAL

Source: Gilbert, Calderwood, Fitzsimons, CLS



Activity Monitor

Four national longitudinal cohort studies @ CLS



New CLS studies – outlook

- Children of the 2020s Study
  … is a nationally representative birth cohort study of babies in England which has been commissioned by the Department for Education (DfE). The study will answer important scientific and policy questions regarding the family, early education, and childcare determinants of early school success.

  Babies born in April-June 2021; 8,000 families will take part in early 2022; sample drawn from Child Benefit record

- Early Life Cohort Feasibility Study (ELC-FS)
  … is a two-year project starting in April 2021 which will test the feasibility of a new UK-wide birth cohort study (evaluation in 2023, if successful, new, larger main study anticipated in 2023)

COVID-19 surveys @ CLS

COVID-19 survey

During the coronavirus pandemic, we have been running a series of surveys to find out about the experiences of the participants in five national longitudinal cohort studies. The aim is to understand the economic, social and health impacts of the COVID-19 crisis, the extent to which the pandemic is widening or narrowing inequalities, and the lifelong factors which shape vulnerability and resilience to its effects.

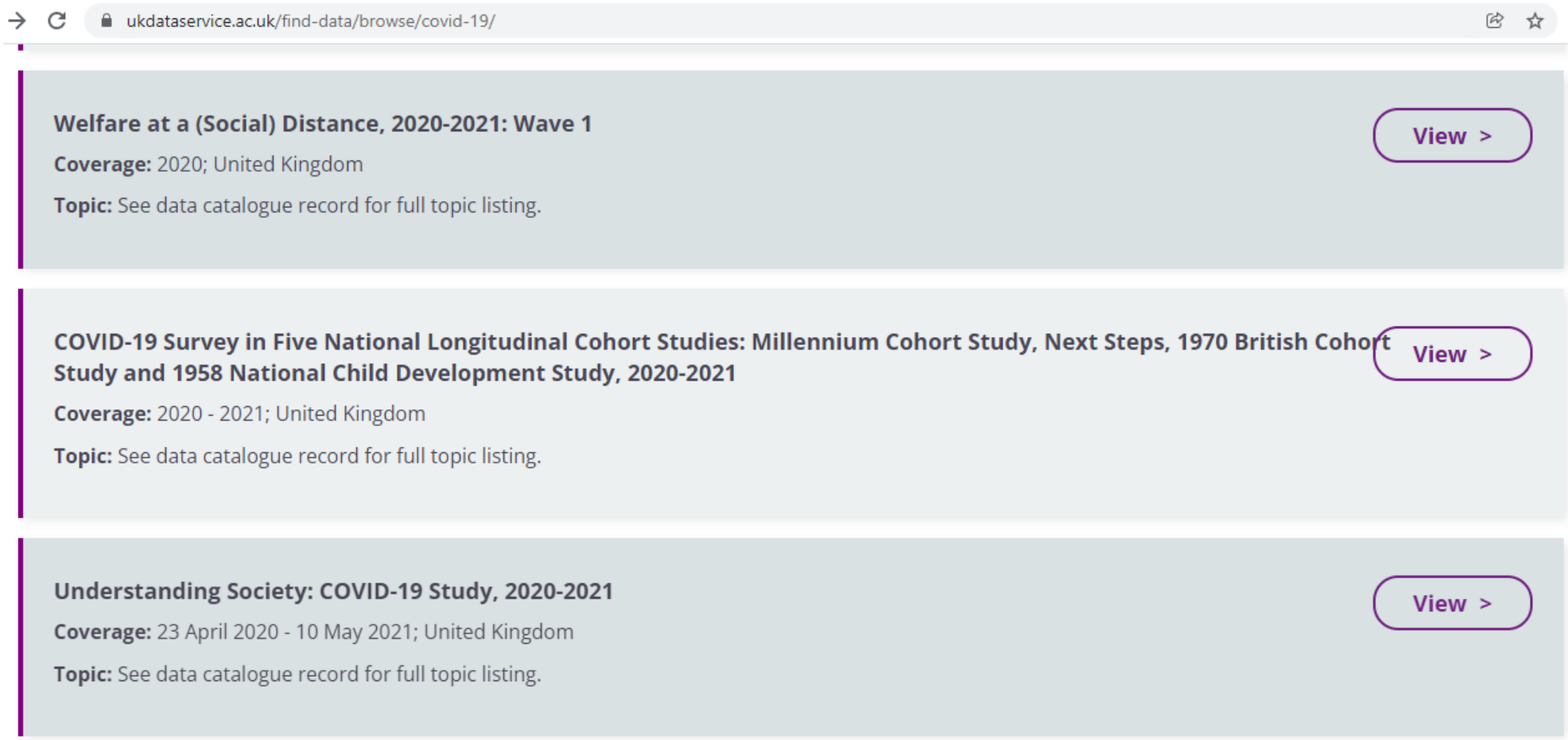
We have now completed three waves of the survey. Participants in all four of the national longitudinal cohort studies that we manage at CLS, as well as participants in the MRC National Survey of Health and Development, have taken part. In March 2021, study participants who had taken part in any of these three COVID-19 surveys were asked to provide a blood sample to be analysed for COVID-19 antibodies.

cls.ucl.ac.uk/covid-19-survey/

CLOSER blog: How the UK's longitudinal studies are helping society navigate the COVID-19 pandemic

17 September 2020

COVID-19 data @ UKDS



The UK Household Longitudinal Study

- started in 2009: UKHLS or 'Understanding Society' ; First data: 2010
- study of the socio-economic circumstances and attitudes of 100,000 individuals in 40,000 British households
- UKLHS replaces and incorporates the BHPS (1991-2009 , 5500 hh's), retaining the latter's longevity whilst adding
  - to the sample size
  - to the scope of the study (new components: innovation panel, greater detail on ethnic minority groups, qualitative and biomedical data collections)
- coverage includes:
  current employment and earnings; employment status; parenting and childcare arrangements; family networks; benefit payments; political party identification; household finances; environmental behaviours; consents to administrative data linkage (health and education)

Understanding Society – health assessment

Nurse health assessment

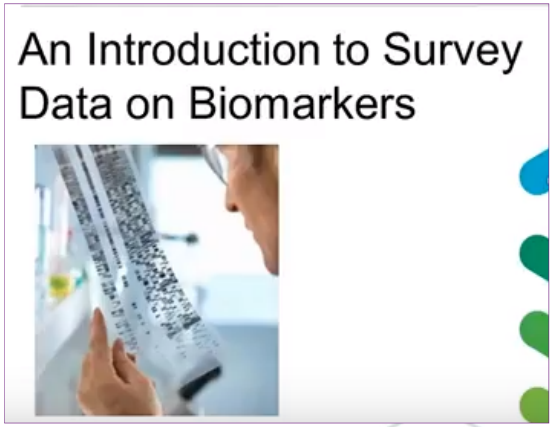
In Wave 2 and Wave 3, adult participants received a follow-up health assessment visit from registered nurses who collected a range of bio-medical measures from around 20,000 adults.

The assessments included:

- Blood pressure
- Weight
- Height
- Waist
- Body fat
- Grip strength
- Lung function
- Blood samples

Data: SN 7251
"Understanding Society: Waves 2-3 Nurse Health Assessment, 2010-2012"

Webinar

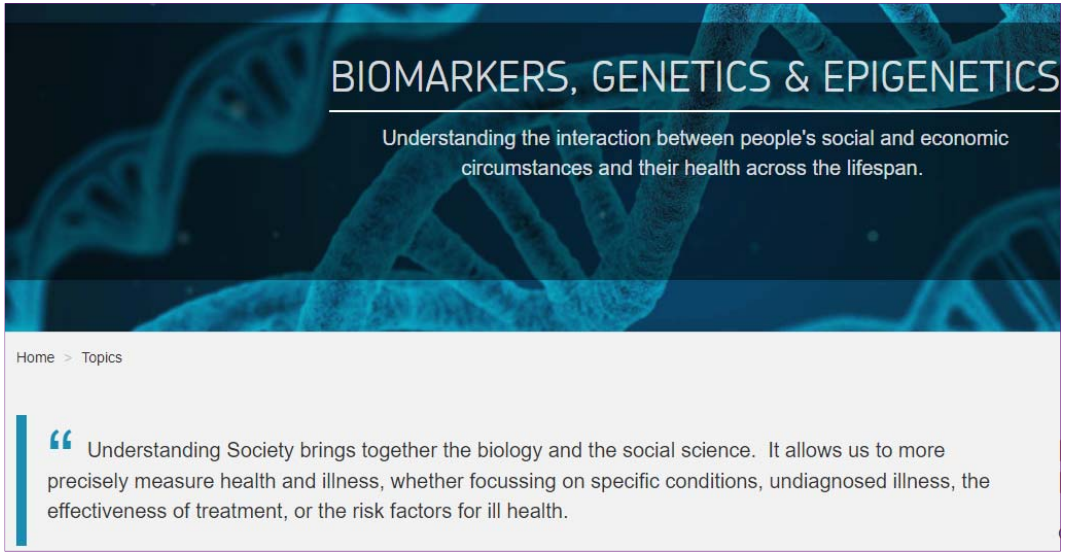


www.youtube.com/watch?v=BdI5UGg8uJ4&feature=youtu.be

Biomarker in Understanding Society

Table 2 Biomarkers available in *Understanding Society*

Biomarker	Applications
Cholesterol (total and HDL)& triglycerides	'Fat in the blood' associated heart disease
Glucose intolerance: Glycated haemoglobin - HbA1c	Undiagnosed or poorly managed diabetes
Inflammatory markers - C-reactive protein (CRP), fibrinogen	Measures of inflammation – due injury or infection – acute or chronic – response to stress
- Cytomegalovirus (CMV) seropositivity	Immunoscenence - wear & tear on immune system, chronic stress, associated diabetes
Anaemia – haemoglobin (Hb), ferritin	Marker for poor nutrition; increases with age, sig. health consequences
Liver function tests (LFTs) - Alkaline phosphatase (ALP), Alanine transaminase (ALT), Aspartate transaminase (AST), Gamma glutamyl transferase (GGT), albumin	Associated alcohol, drugs, obesity, consequence of other diseases
Kidney function – creatinine, urea	Kidney diseases increases with age, associated other diseases
Hormones	Associated with stress processes, building muscles, ageing
Testosterone	Marker aggression
Insulin-like growth factor 1 (IGF-1)	Growth & development - associated diet, diabetes and cancer
Dihydroepiandrosterone sulphate (DHEAs)	Associated CVD, muscle strength, cognition



www.understandingsociety.ac.uk/topic/biomarkers-genetics-and-epigenetics

www.understandingsociety.ac.uk/sites/default/files/downloads/documentation/health/user-guides/7251-UnderstandingSociety-Biomarker-UserGuide-2014.pdf

UKHLS – data linkage

Data linkage - the process of linking together two or more streams of data - opens up new research opportunities. In the case of Understanding Society, it allows researchers to make use of additional information that the survey does not collect in the annual interviews.

3 types of data linkage:

- geographical identifiers
  (range from individual countries within the UK to Local Authority Districts, Super Output Areas down to grid references)
- administrative data linkage
  (datasets, which will be linked to Understanding Society, cover areas of: education, health, economic circumstances, transport)
- organisations
  (identifiers of the schools that children attend or recently attended)

Understanding Society and Harmonised BHPS

SN 6614
Understanding Society: Waves 1-10, 2009-2019 and Harmonised BHPS: Waves 1-18, 1991-2009

Understanding Society data containing:

- the latest wave,
- updated files from previous waves,
- all 18 waves of BHPS repurposed to be used alongside Understanding Society data

English Longitudinal Study of Ageing

- collects data from a representative sample (~10 000) of the population aged 50+ in England on a range of indicators
  - health
  - economic circumstances
  - well-being
  - social participation

- 10 waves of data collection have been conducted so far between 1998-2019

English Longitudinal Study of Ageing (ELSA): Waves 0-9, 1998-2019

- ELSA - is a longitudinal survey of ageing and quality of life among older people that explores the dynamic relationships between health and functioning, social networks and participation, and economic position as people plan for, move into and progress beyond retirement.

- 1 in 3 people in England are now over 50, which means it's really important to understand what life is like for England's ageing population.

- ELSA helps the government plan health care services and pensions systems to best meet the needs of this growing population.

The main objectives of ELSA are to:

- construct waves of accessible and well-documented panel data;
- provide these data in a convenient and timely fashion to the scientific and policy research community;
- describe health trajectories, disability and healthy life expectancy in a representative sample of the English population aged 50 and over;
- examine the relationship between economic position and health;
- investigate the determinants of economic position in older age;
- describe the timing of retirement and post-retirement labour market activity; and
- understand the relationships between social support, household structure and the transfer of assets.

Wave 3 Life History Essays (ELSA)

A set of 558 transcripts of short essays collected from respondents to the Wave 3 Life History Interview are provided in RTF format, in a separate download zip file. The essays were written in response to section 3 of the Life History self-completion questionnaire.

"Thinking back over your life, with its wide variety of enjoyable as well as difficult experiences, please write about three aspects of your life that have been especially important to you, and how they affected you."

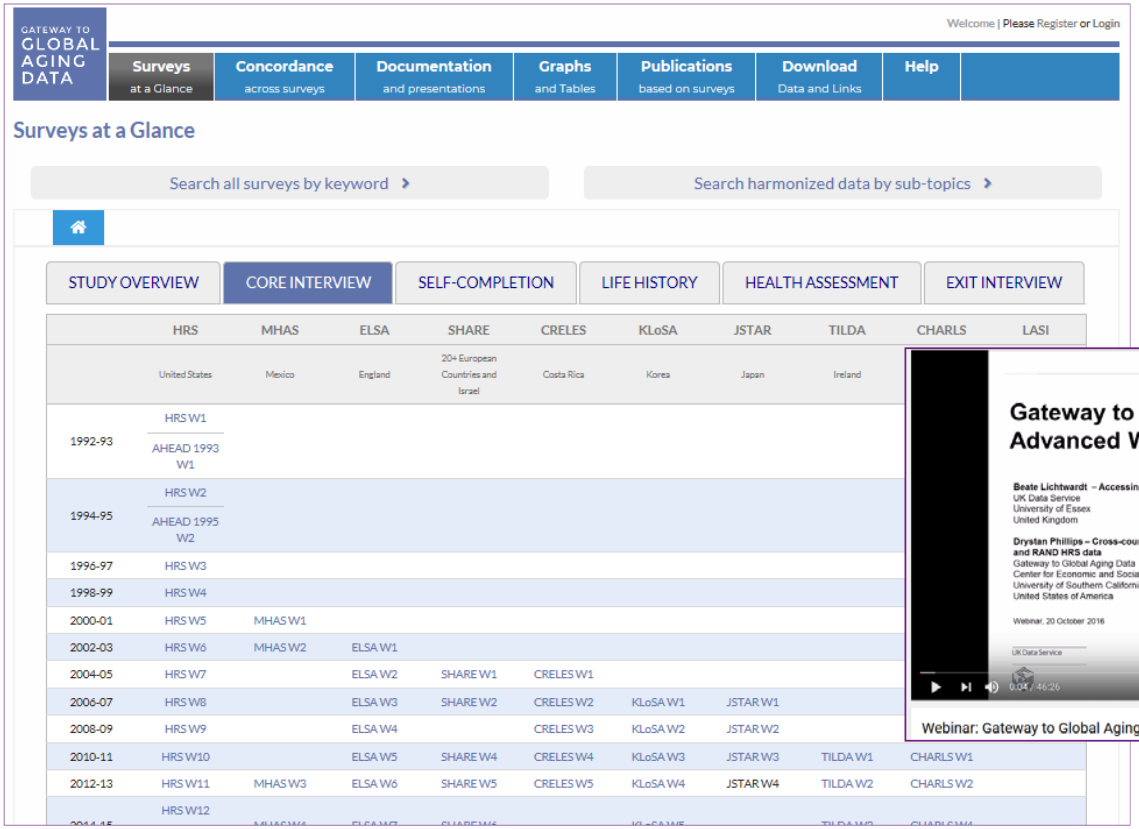
ELSA COVID-19 Study, Waves 1-2, 2020

Topics covered in the ELSA COVID-19 study include:

- Demographics
- Mental health
- Financial security
- Covid-19-related health
- Employment and work
- Financial situation
- Volunteering and care
- Physical health and health behaviours
- Social connection isolation and technological inclusion
- Income, pensions and retirement

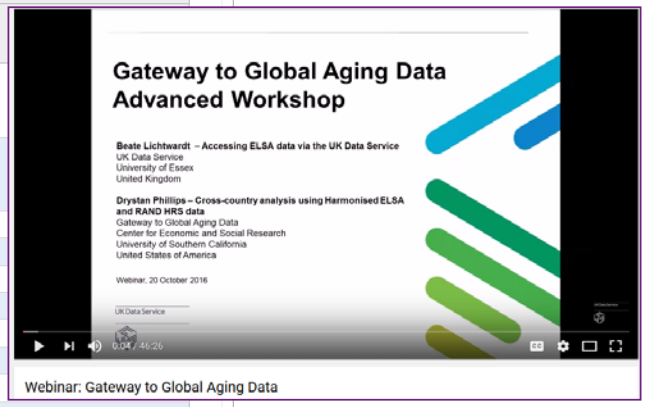
beta.ukdataservice.ac.uk/datacatalogue/studies/study?id=8688

Gateway to Global Ageing Data



	HRS	MHAS	ELSA	SHARE	CRELES	KLoSA	JSTAR	TILDA	CHARLS	LASI
	United States	Mexico	England	20+ European Countries and Israel	Costa Rica	Korea	Japan	Ireland		
1992-93	HRS W1 AHEAD 1993 W1									
1994-95	HRS W2 AHEAD 1995 W2									
1996-97	HRS W3									
1998-99	HRS W4									
2000-01	HRS W5	MHAS W1								
2002-03	HRS W6	MHAS W2	ELSA W1							
2004-05	HRS W7		ELSA W2	SHARE W1	CRELES W1					
2006-07	HRS W8		ELSA W3	SHARE W2	CRELES W2	KLoSA W1	JSTAR W1			
2008-09	HRS W9		ELSA W4		CRELES W3	KLoSA W2	JSTAR W2			
2010-11	HRS W10		ELSA W5	SHARE W4	CRELES W4	KLoSA W3	JSTAR W3	TILDA W1	CHARLS W1	
2012-13	HRS W11	MHAS W3	ELSA W6	SHARE W5	CRELES W5	KLoSA W4	JSTAR W4	TILDA W2	CHARLS W2	
	HRS W12									

g2aging.org/?section=surveyOverview

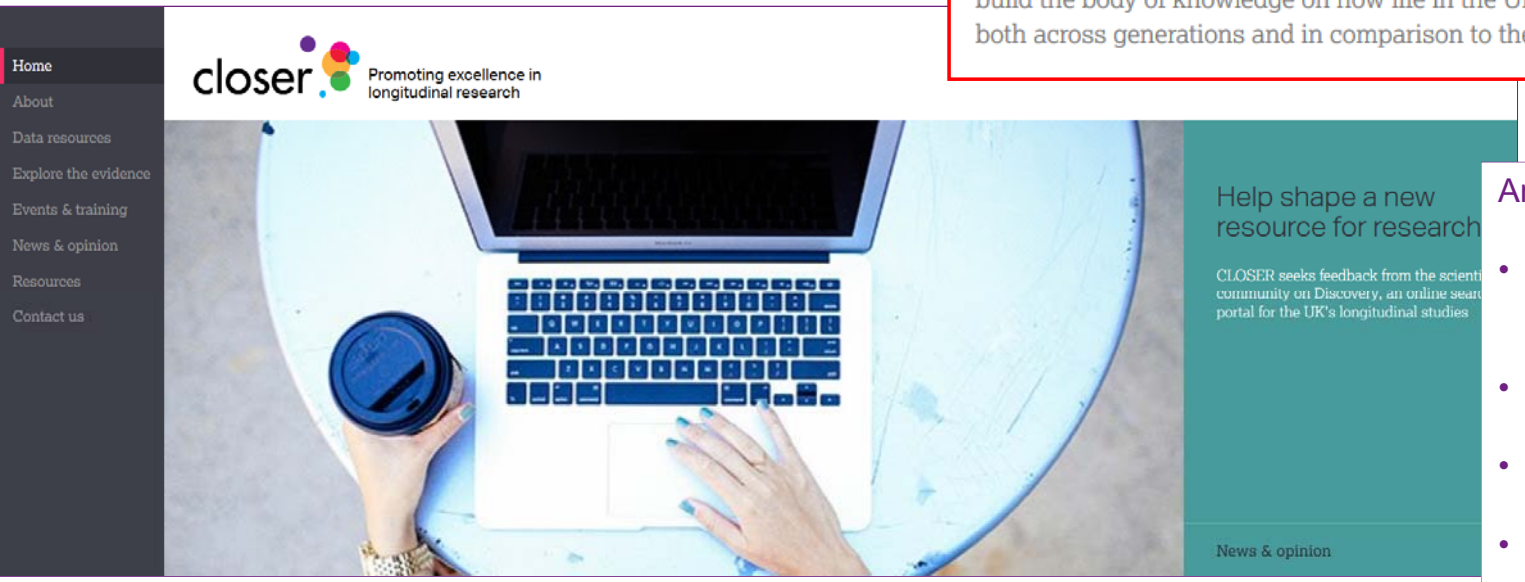


www.youtube.com/watch?v=V2KD7x48_Pk

CLOSER

The UK is home to the world's largest and longest-running longitudinal studies.

CLOSER (Cohort & Longitudinal Studies Enhancement Resources) aims to maximise their use, value and impact both at home and abroad. Bringing together eight leading studies, the British Library and the UK Data Service, CLOSER works to stimulate interdisciplinary research, develop shared resources, provide training, and share expertise. In this way CLOSER is helping to build the body of knowledge on how life in the UK is changing – both across generations and in comparison to the rest of the world.

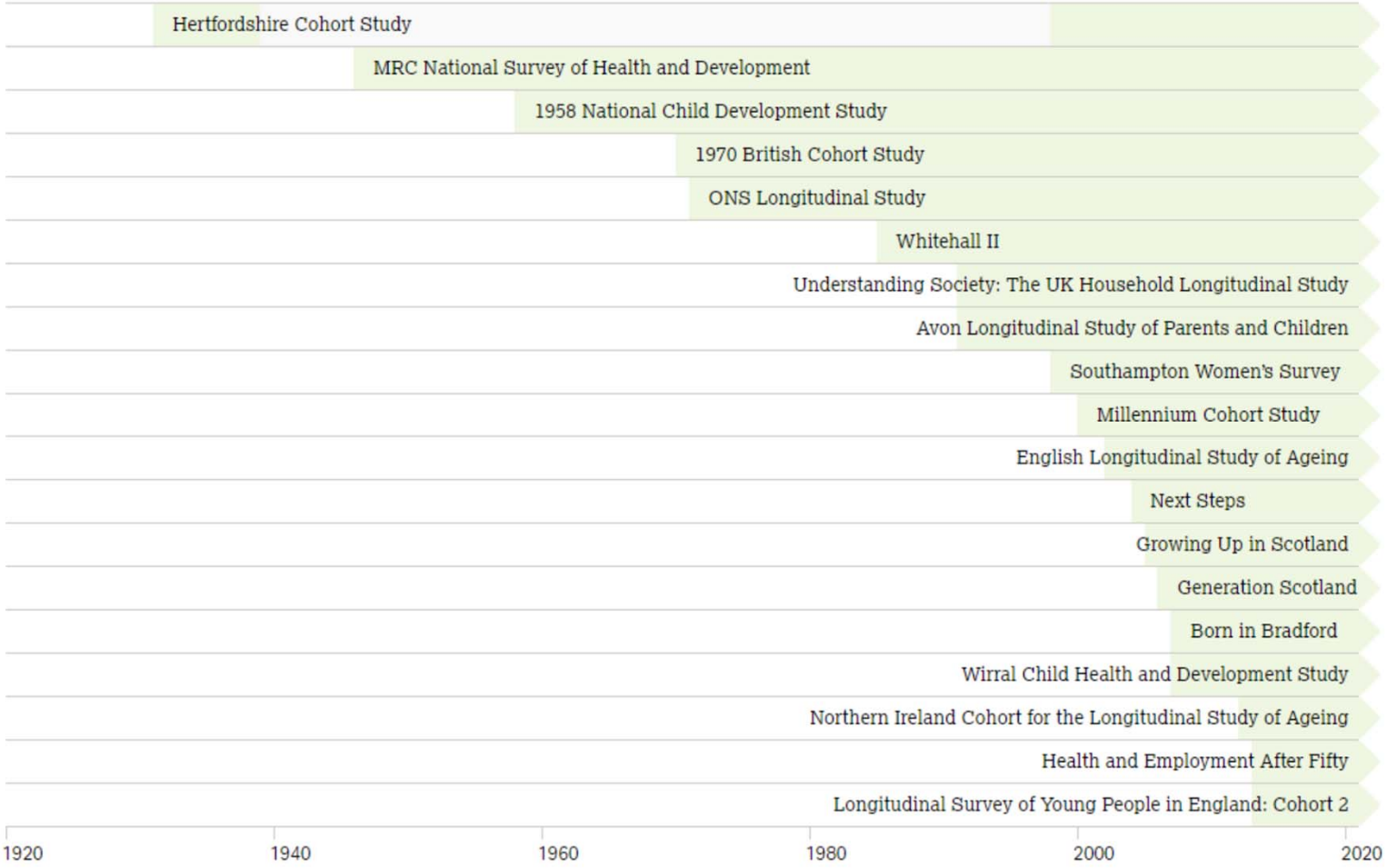


Areas of work:

- Data harmonisation
- Data linkage
- Research impact
- Training and capacity building

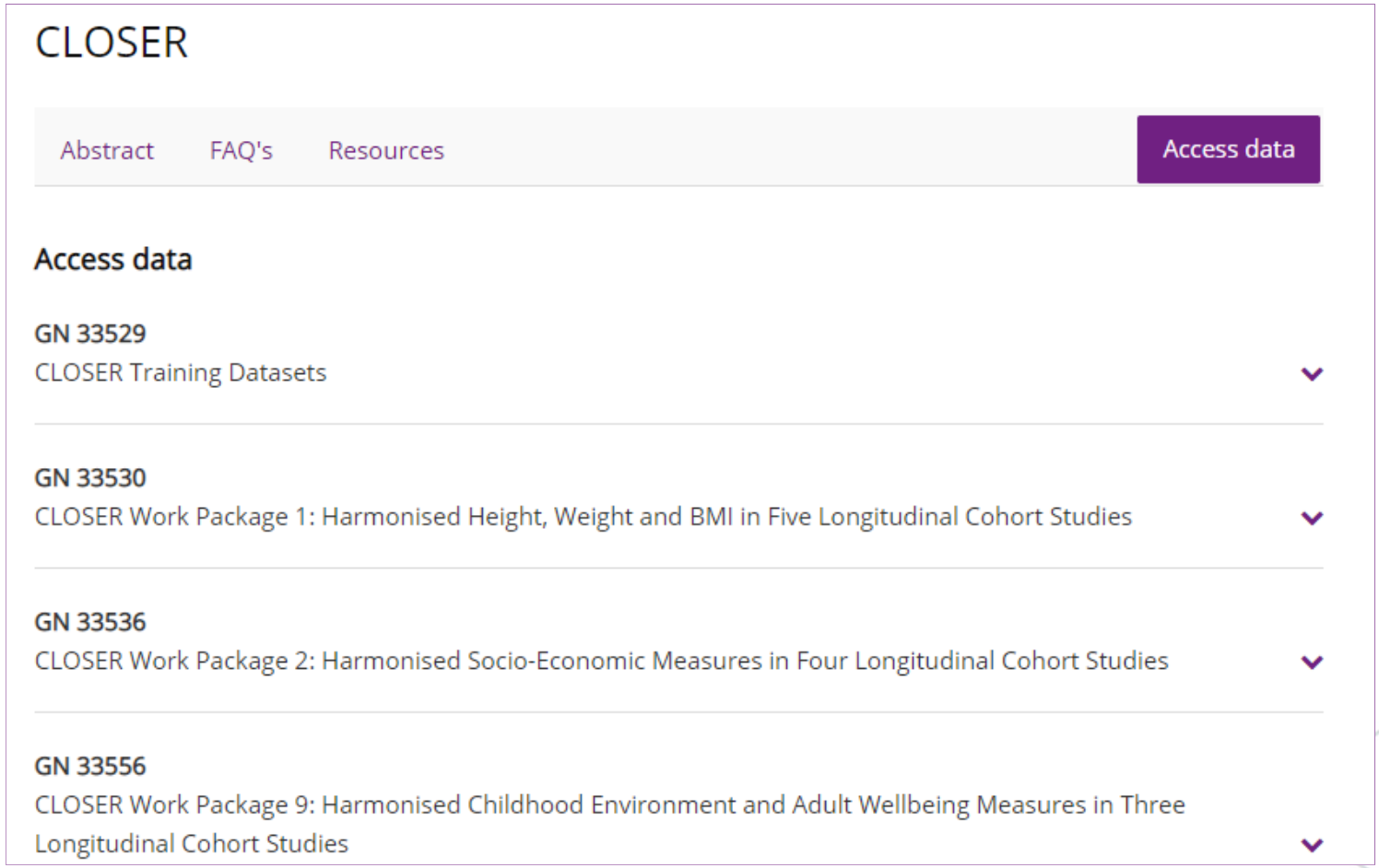
www.closer.ac.uk

CLOSER – Timeline of studies



www.closer.ac.uk/timeline/

Harmonised Longitudinal Data - CLOSER



beta.ukdataservice.ac.uk/datacatalogue/series/series?id=2000111#!/access-data

Growing Up in Scotland (GUS)

following several cohorts (child cohort 2002-03, birth cohorts for 2004-2005 and 2010-2011) of Scottish children from the early years, through childhood and beyond

- health
- neighbourhood
- development
- education
- leisure
- friendships

- consent from parents to link data collected from them and their children to administrative data held by health and education authorities.

Growing Up in Scotland (GUS)

While the main aim of the study is to provide information to support policymaking, it is also intended to be a broader resource that can be drawn on by academics, voluntary sector organisations and other interested parties.

Fields of work

- Cognitive, social, emotional and behavioural development
- Physical and mental health and wellbeing
- Childcare, education and employment
- Home, parenting, family, community and social networks
- Involvement in offending and risky behaviour

The numbers

Inputs

- Over 14,000 families have taken part in GUS
- A team of over 70 interviewers work right across Scotland
- Over 50,000 interviews have taken place over the last 10 years

Outputs

- 28 research reports published by the Scottish Government
- A wide range of articles, blogs and briefings aimed at different audiences and groups of professionals
- 6 years of data deposited with the UK Data Service with more to follow soon
- 20 academic articles using GUS data published in peer reviewed journals

Stakeholder engagement

- Over 2,000 people signed up to receive regular information about the study
- Over 8,000 visitors per year to the study website
- Over 2,500 followers on Twitter
- Over 1,000 people have attended one of our dissemination events
- 266 people have downloaded GUS data
- 245 people have attended a GUS data workshop, providing training and support in using GUS data

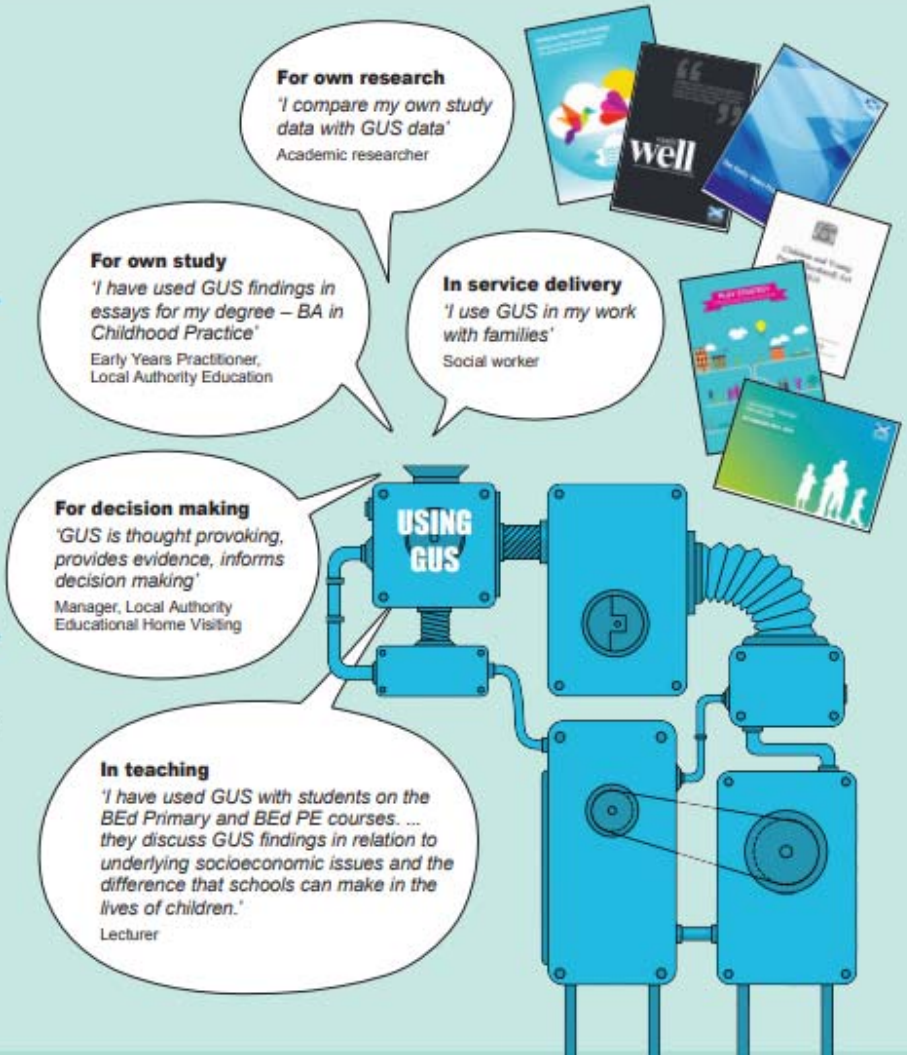
For own research
'I compare my own study data with GUS data'
Academic researcher

For own study
'I have used GUS findings in essays for my degree – BA in Childhood Practice'
Early Years Practitioner, Local Authority Education

In service delivery
'I use GUS in my work with families'
Social worker

For decision making
'GUS is thought provoking, provides evidence, informs decision making'
Manager, Local Authority Educational Home Visiting

In teaching
'I have used GUS with students on the BEd Primary and BEd PE courses. ... they discuss GUS findings in relation to underlying socioeconomic issues and the difference that schools can make in the lives of children.'
Lecturer



Impact

Policy

Research findings from GUS have:

- Contributed to the development of Scottish Government policies and strategies
- Been referenced by politicians in Parliamentary debates
- Been used by various organisations giving evidence to Scottish Parliament Committees
- Been used by Local Authorities to inform strategic development
- Been used by voluntary sector organisations to inform policy development

Practice

- Used in discussions with nursery staff and with parents.
- Used to inform the targeting of support
- Used in funding applications
- Used as national benchmark against which to compare local outcomes
- Used as an evidence base for local improvement work

Training

- Used in HNC, HND, Degree and Postgraduate programmes for early years practitioners, midwives, nurses and primary school teachers
- Used extensively by professionals undertaking the BA in Childhood Practice
- Used locally for in-service training days and continuing professional development sessions
- Used in the development of course materials
- Used as a resource for teaching quantitative methods

growingupinscotland.org.uk/wp-content/uploads/2015/10/GUS-impact-poster-1-general-Oct-2015.pdf

Informing policy

MCS continues to inform Read On. Get On. campaign

The Ready to Read report, which uses findings from the Millennium Cohort Study, has encouraged parents in Northern Ireland to read to their children at school

Poor reading 'could cost UK £32bn in growth by 2025'

Campaign links literacy failings with joblessness, as authors, charities and CBI unite to improve reading standards

A report has found that England is one of the most unequal countries for children's reading levels, second in the EU only to Romania. Photograph: DCPhoto /Alamy

The fear that 1.5 million British children will reach the age of 11 unable to "read well" by 2025 has prompted the launch on Monday of a new campaign backed by a coalition of businesses, charities, bestselling authors and teaching professionals.

www.theguardian.com/education/2014/sep/08/reading-literacy-uk-cbi-schools-read-on-get-on-campaign

Read On. Get On.

Read On. Get On. is a campaign to get all children reading well in England by the age of 11. It was launched in 2014 by a coalition of charities and education organisations committed to improving reading levels in the UK. A fifth of all children in England, and close to a third of disadvantaged children, are unable to read well when they leave primary school. This prevents them from achieving their potential in secondary school, and beyond, and creates obstacles to a fairer society.

literacytrust.org.uk/policy-and-campaigns/read-on-get-on/

Informing Policy - Millennium Cohort Study (MCS)

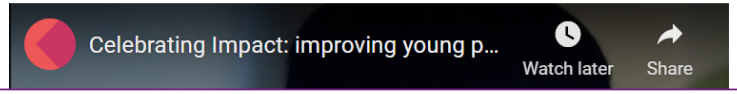
News, events and publications

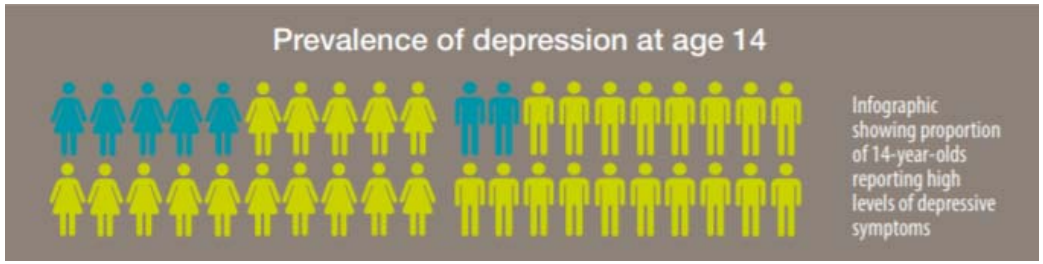
- News
- Events
- Publications
- **Impact case studies**
- Evidence briefings

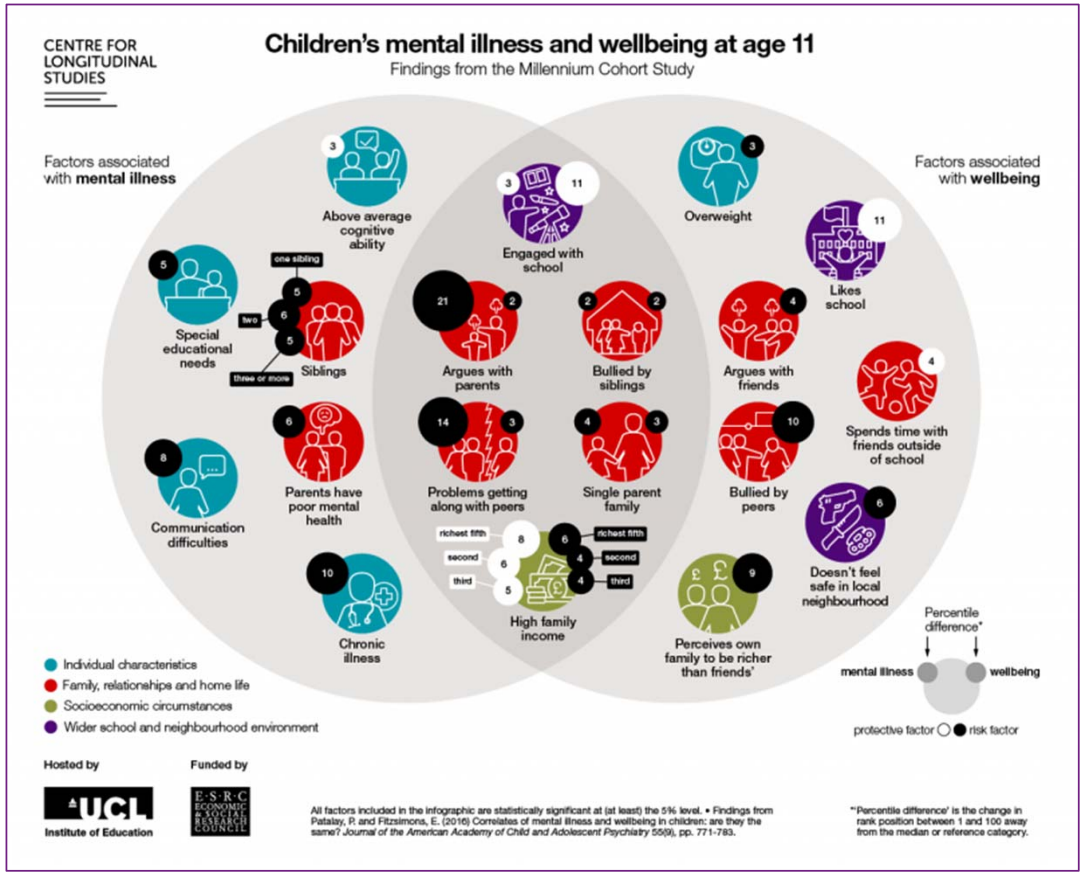
Adolescent mental health: improving young people's lives using evidence from national cohort data

February 2021

An estimated 16% of all 14-year-olds in the UK in 2015 suffered from mental ill-health. Research which identified the scale of mental ill-health among the UK's adolescents, and studied its drivers, has focused national attention on the problem, prompting new government policy and strategies for improving young people's mental health.







https://esrc.ukri.org/news-events-and-publications/impact-case-studies/adolescent-mental-health-improving-young-peoples-lives-using-evidence-from-national-cohort-data/

Informing Policy - 1970 British Cohort Study (BCS)

Home | News, events and publications | Impact case studies | Reading for pleasure boosts cognitive development

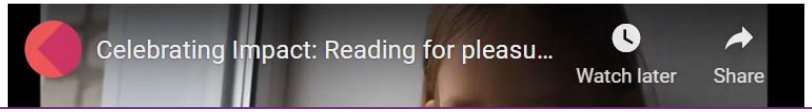
News, events and publications

- News
- Events
- Publications
- **Impact case studies**
- Evidence briefings

Reading for pleasure boosts cognitive development

February 2021

Research shows reading for pleasure helps children perform significantly better in maths as well as English. This has directly influenced national and international policymakers, literacy organisations and schools to generate, fund and implement reading for pleasure campaigns and initiatives that have benefited the learning of millions of children worldwide.



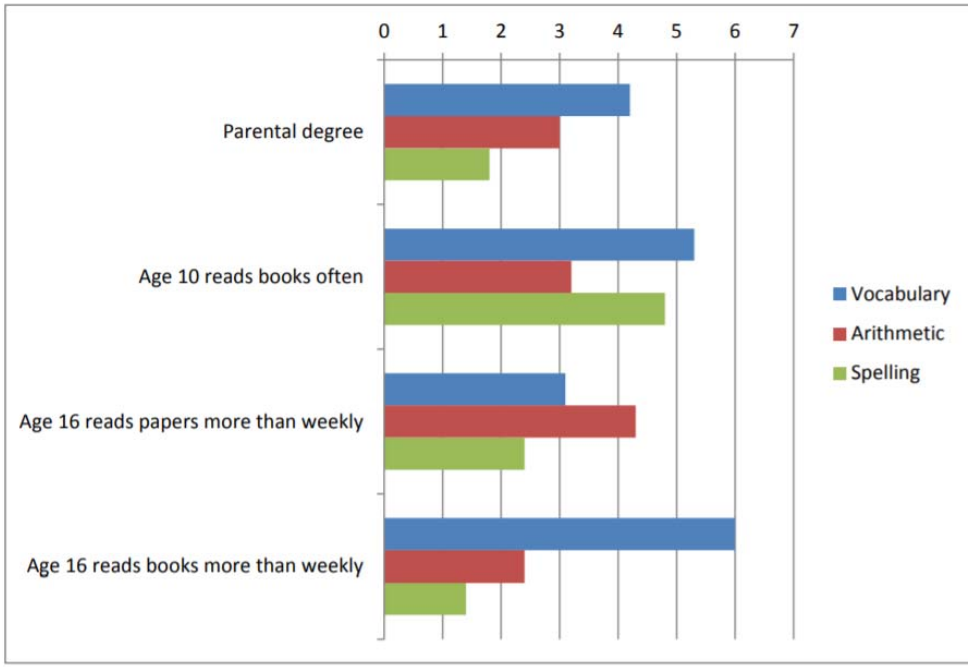


Figure 1: Percentage point differences in progress between age 10 and 16 in vocabulary, arithmetic and spelling

THE CONVERSATION

Academic rigour, journalistic flair

COVID-19 Arts + Culture Business + Economy Cities Education Environment + Energy Health + Medicine Politic

Your vocabulary aged 40 depends on how much you read as a teenager

November 6, 2014 11.38am GMT

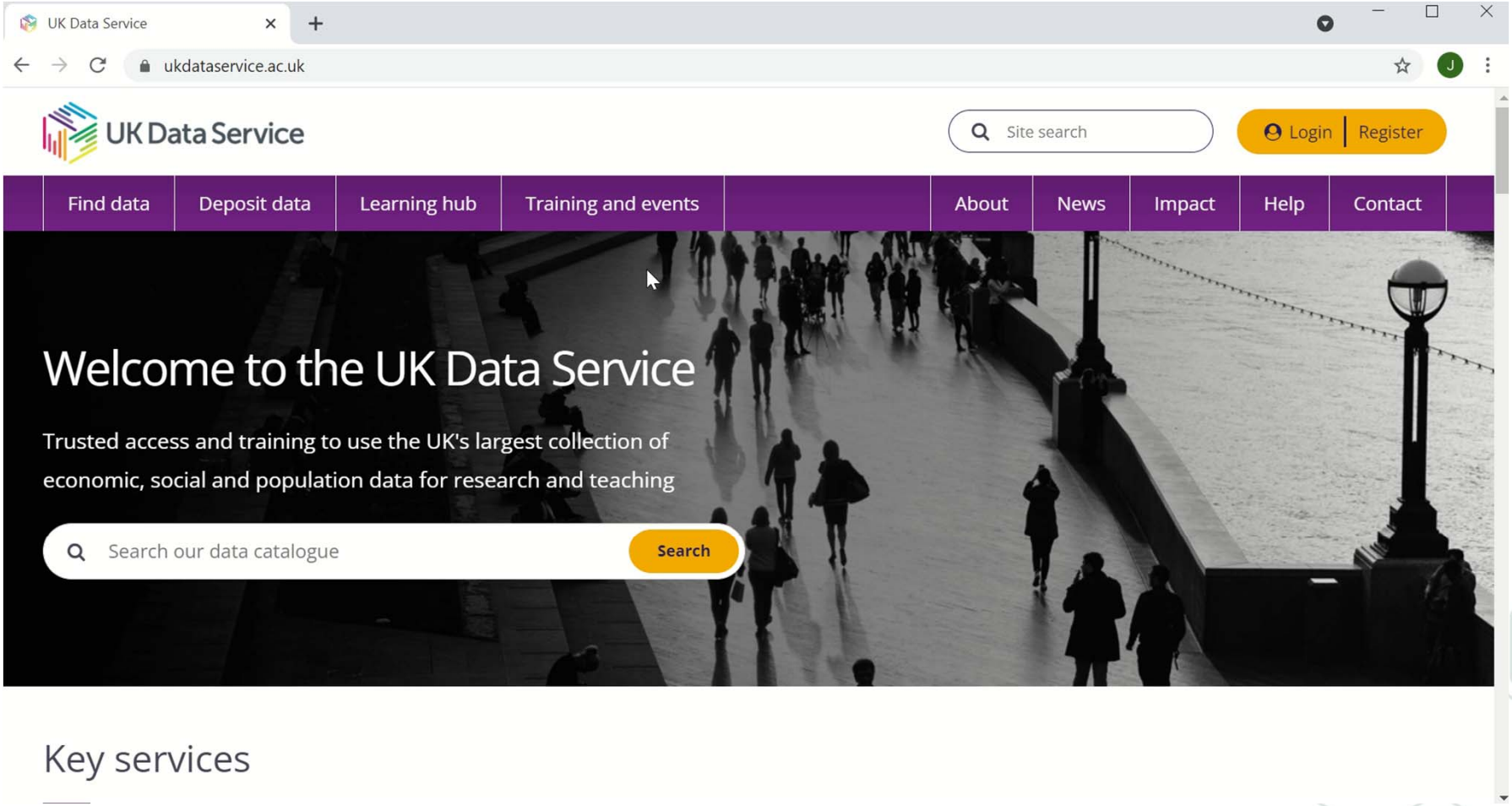
https://esrc.ukri.org/news-events-and-publications/impact-case-studies/reading-for-pleasure-boosts-cognitive-development/

https://theconversation.com/your-vocabulary-aged-40-depends-on-how-much-you-read-as-a-teenager-33852

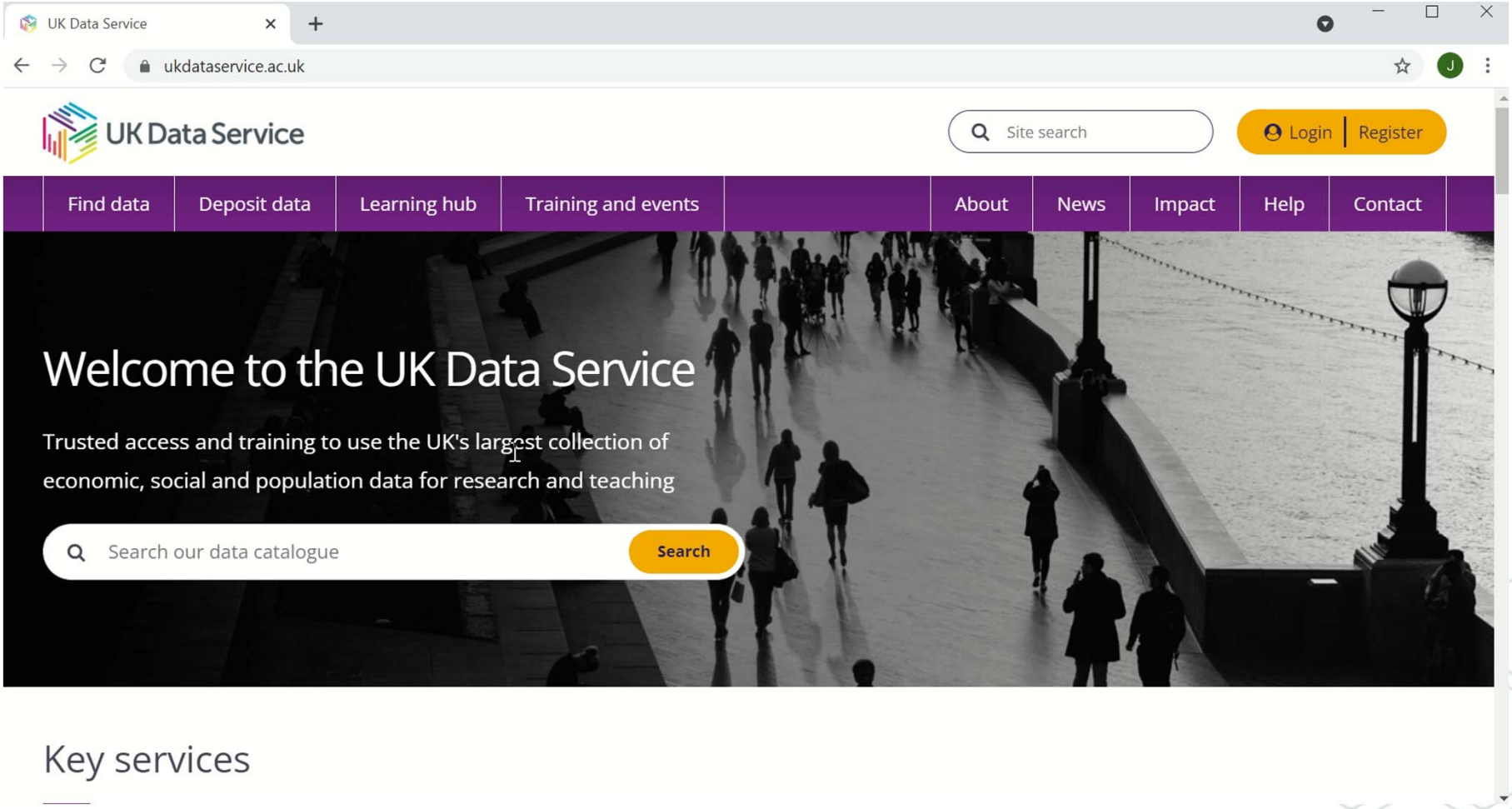
UK Data Service

Finding longitudinal data

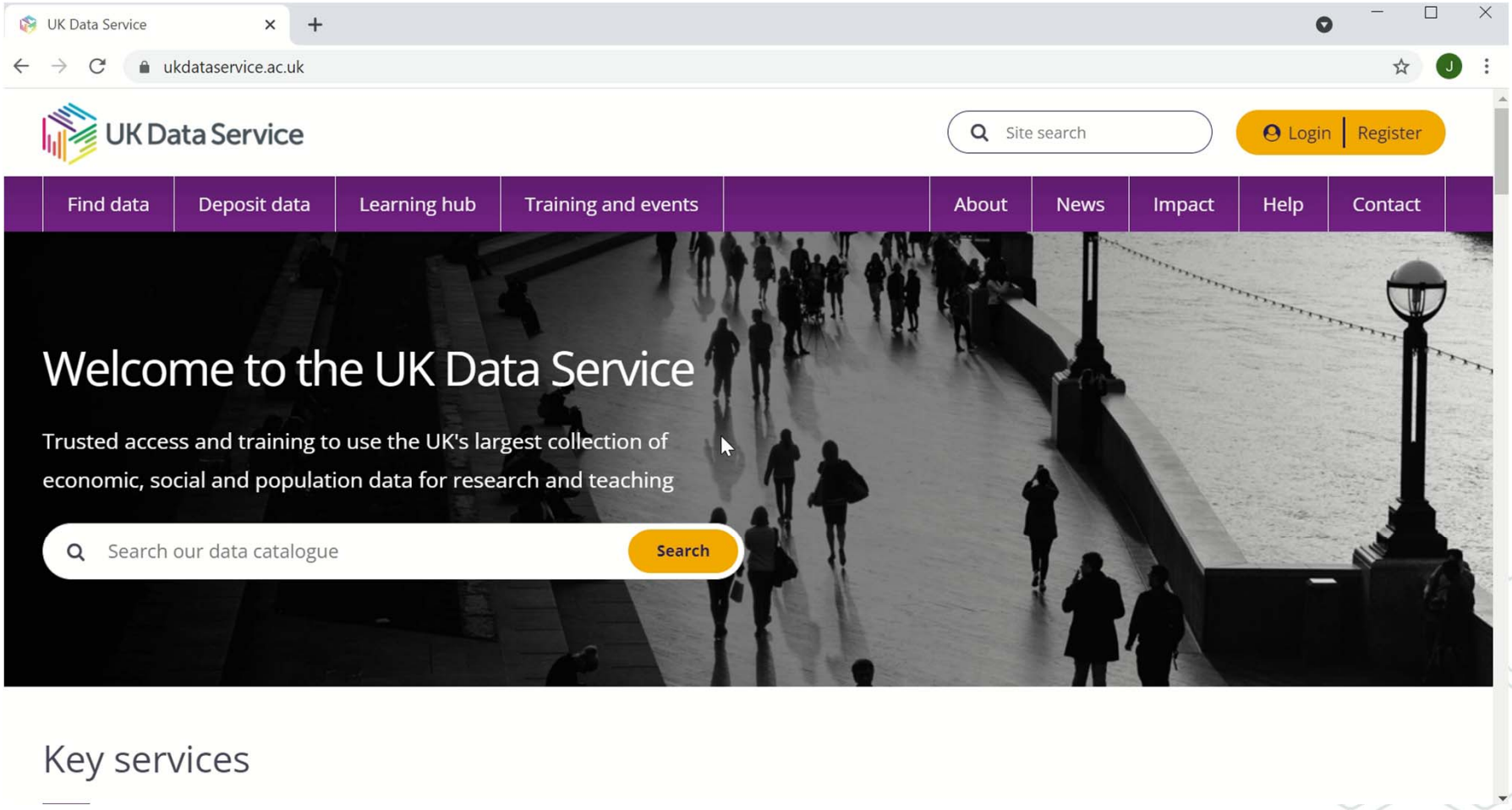
Search 1 – Data Catalogue



Search 2 – Find Data



Search 3 – Variable and Question Bank



UK Data Service

Data Access

Who can access the data?

All registered users

However, which data can be accessed and the particular access conditions vary according to:

- user type
  (UK HE/FE, Non HE/FE, Non UK)
- usage/project characteristics
  (Commercial, non-commercial)
- specific data access conditions attached to chosen data
  (EUL, SC, SL (AR), Secure Lab data access, Safe Room access)

Data Access

- web access to data and metadata
- data are freely available for use in higher education institutions
- data supplied in a variety of formats
  - statistical package formats (e.g. SPSS, STATA)
  - databases and spreadsheets
  - word processed documents, PDF documents etc.

Accessing data – step by step

- register with us via UK Federation using your university/UKDA username and password
- agree to an End User Licence (EUL)
- select the desired data from the Data Catalogue by clicking on the 'Download/Order' button
- specify a project for which the data is to be used (minimum: 30-word description)
- then:
  - download the data to local machine selecting your preferred format (SPSS, STATA, TAB etc.)
  or
  - place an order for the data and complete all relevant forms

Help - How to download and order data

Home › Help › How to download and order your data

How to download and order your data

in **How to get data and access information**

Instructions on how to download and order data

1. Locate the study you require using the Data Catalogue. To check the access conditions for the selected study click the 'Access' tab.
2. Select 'Add to account' to add the study to your account*. If you are not yet registered with the UK Data Service, you will be prompted to do this at this stage. Further information can be found on our FAQs on registration and login page.
3. To review the studies you have added to your account, click the 'My account' link at the top of the screen. Your account will show the datasets that are waiting to be added to a project.
4. Select the datasets that you wish to add to a project. You can add these to an existing project or create a new one.
5. There are three ways to classify the way our data is used: non-commercial for research projects or student dissertations; commercial for projects where the main purpose is to generate an income; and teaching for use within a classroom setting. Find further information in How can I use UK Data Service data for my project?
6. When creating a new project, enter a title and abstract providing as much detail as possible to describe your intended use of the data. Please note: this information may be shared with the data owners.
7. When your datasets have been added to your project, their status will either be 'Active' or 'Request access'. If 'Active', use the 'Action' button to download the data. If 'Request access', click this button to view further details, and then 'Complete actions' to view the actions required to gain access to this dataset.
8. Click each of the action steps in turn and follow the instructions, e.g. accept any special conditions that are displayed, or download and complete the forms that are required.
9. When all steps are complete, the status will be 'Active' and you can follow the 'Action' button to download the data.
10. Select the download format required and the download will begin.

***Please note:** If the study you require has a study number beginning '85', please refer to our page on How to access ReShare data.

Further help

ukdataservice.ac.uk/help/access-policy/how-to-download-and-order-your-data/

Data access conditions

- Open Licence
- End User Licence (EUL)
- Special Conditions (SC)
- Special Licence (SL)
  Approved Researcher Status
- Secure Lab Data Access (remote)
- Secure Lab Data Safe Room Access (on-site)

Our data collections by access level

Data access conditions	Access level
Open Licence	Open
End User Licence (EUL) [Authentication]	Safeguarded
Special Conditions (SC) [Authentication]	
Special Licence (SL) [Authentication, Accredited Researcher Status]	
SecureLab Data Access (remote) [Authentication, Accredited Researcher Status, Training + Test]	Controlled
SecureLab Data Safe Room Access (on-site) [Authentication, Accredited Researcher Status, Training + Test]	

The Government Statistical Service Policy for the release of social survey microdata ensures compliance with the
- Code of Practice for Official Statistics (CoP),
- Statistics and Registration Service Act (SRSA), 2007.

ons.gov.uk/methodology/methodologytopicsandstatisticalconcepts/disclosurecontrol/policyforsocialsurveymicrodata

End User Licence

"Every user is required to agree to an End User Licence outlining the terms and conditions of use of the data. This includes, for example,

- not to share data with anyone who is not authorised to access them;
- not to use the data for commercial purposes, except with permission;
- not to try to use the data to identify individuals, households or organisations;
- to cite the data correctly and inform the UK Data Archive/UK Data Service of any publications;
- not to disclose your login details to anyone else;
- agreeing to meet any charges…"

SecureLab Data Access (Controlled Data)

- SecureLab data are not downloadable, access remotely from organisational desktop (or UKDA Safe Room)

- access requires accreditation as an Approved Researcher, completion of face-to-face training, and agreement to the Service's User Agreement and Breaches Penalties Policy

- applications are screened by the UK Data Archive and the individual or institution having ownership of the data (or their designated authority), and access is only granted to those researchers requiring data for statistical research purposes and who can justify their need for the data

- Access via web-based interface that uses secure encrypted Citrix Virtual Private Network technology

- Outputs subject to Statistical Disclosure Control (SDC)

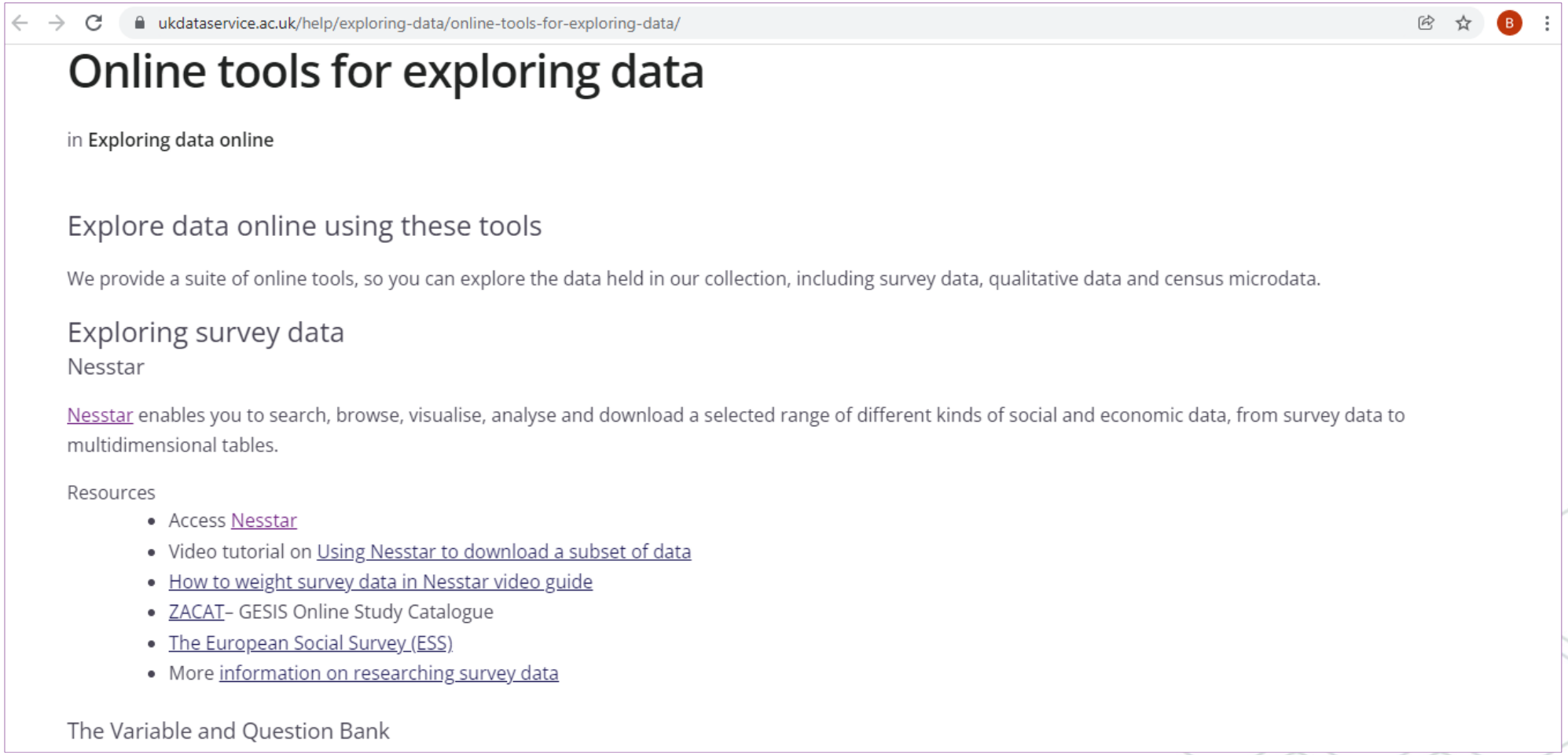
UK Data Service

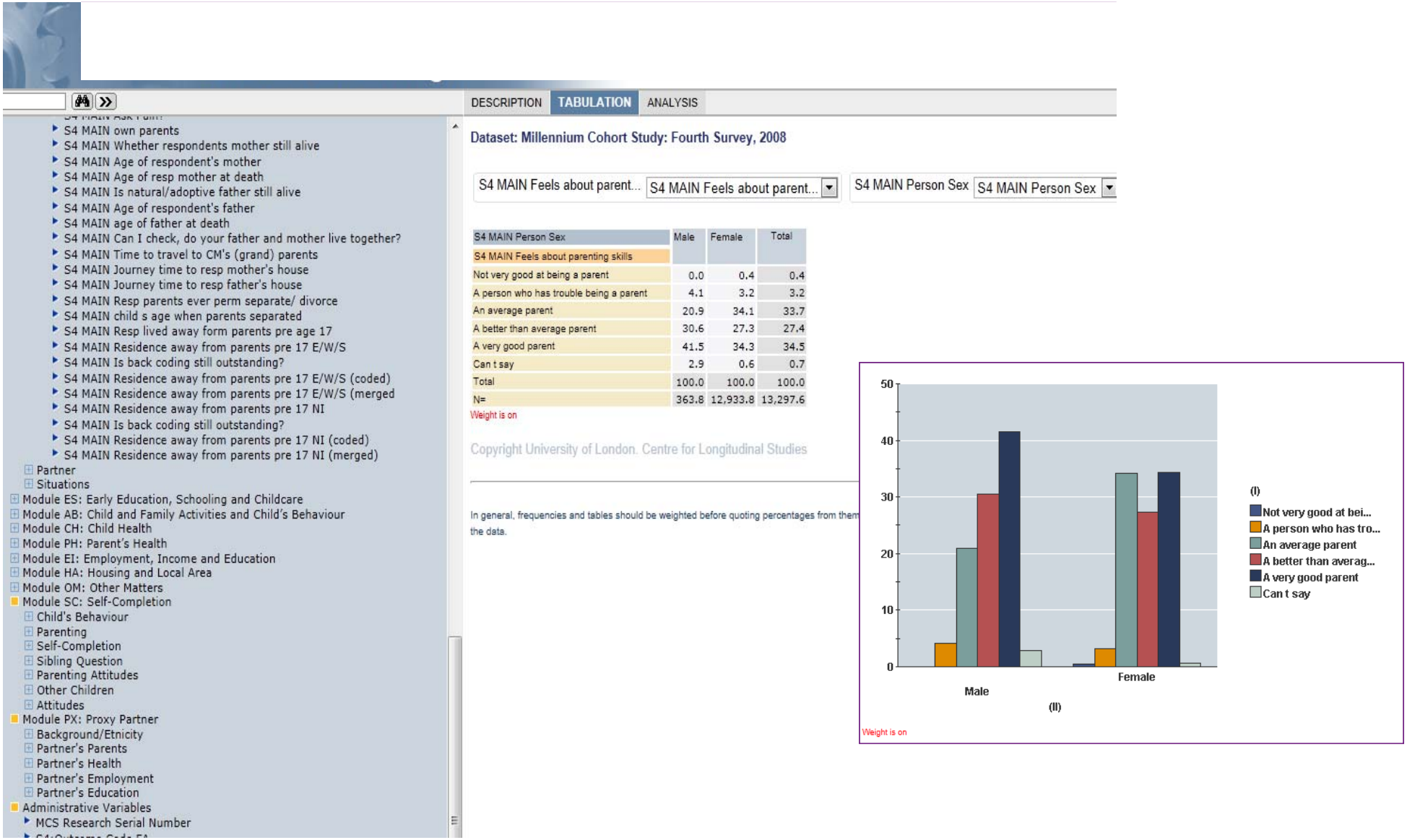
Exploring data online

Online Analysis with Nesstar

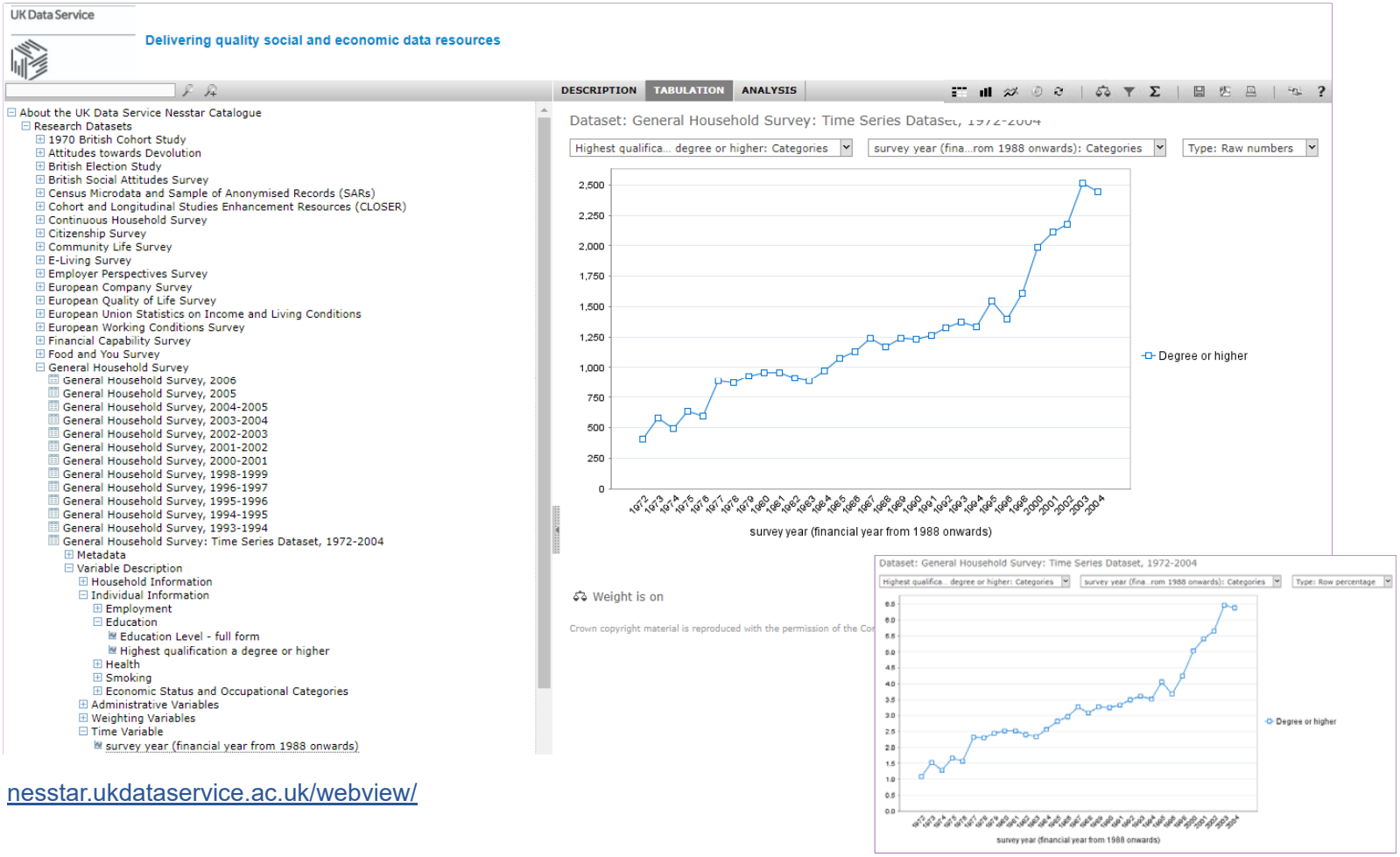
- online data browsing and analysis system
- allows users to search for, locate, browse and analyse and download a wide variety of statistical data within a web browser
- UK Data Archive, as service provider for the UK Data Service, hosts a Nesstar server populated by its most popular data series
- registration is required for analysis such as crosstabulations and regressions

Online Analysis with Nesstar




DESCRIPTION
TABULATION
ANALYSIS
S4 MAIN own parents
S4 MAIN Whether respondents mother still alive
S4 MAIN Age of respondent's mother
S4 MAIN Age of resp mother at death
S4 MAIN Is natural/adoptive father still alive
S4 MAIN Age of respondent's father
S4 MAIN age of father at death
S4 MAIN Can I check, do your father and mother live together?
S4 MAIN Time to travel to CM's (grand) parents
S4 MAIN Journey time to resp mother's house
S4 MAIN Journey time to resp father's house
S4 MAIN Resp parents ever perm separate/ divorce
S4 MAIN child s age when parents separated
S4 MAIN Resp lived away form parents pre age 17
S4 MAIN Residence away from parents pre 17 E/W/S
S4 MAIN Is back coding still outstanding?
S4 MAIN Residence away from parents pre 17 E/W/S (coded)
S4 MAIN Residence away from parents pre 17 E/W/S (merged
S4 MAIN Residence away from parents pre 17 NI
S4 MAIN Is back coding still outstanding?
S4 MAIN Residence away from parents pre 17 NI (coded)
S4 MAIN Residence away from parents pre 17 NI (merged)
Partner
Situations
Module ES: Early Education, Schooling and Childcare
Module AB: Child and Family Activities and Child's Behaviour
Module CH: Child Health
Module PH: Parent's Health
Module EI: Employment, Income and Education
Module HA: Housing and Local Area
Module OM: Other Matters
Module SC: Self-Completion
Child's Behaviour
Parenting
Self-Completion
Sibling Question
Parenting Attitudes
Other Children
Attitudes
Module PX: Proxy Partner
Background/Etnicity
Partner's Parents
Partner's Health
Partner's Employment
Partner's Education
Administrative Variables
MCS Research Serial Number
Dataset: Millennium Cohort Study: Fourth Survey, 2008
S4 MAIN Feels about parent...
S4 MAIN Feels about parent...
S4 MAIN Person Sex
S4 MAIN Person Sex
S4 MAIN Person Sex
Male
Female
Total
S4 MAIN Feels about parenting skills
Not very good at being a parent 0.0 0.4 0.4
A person who has trouble being a parent 4.1 3.2 3.2
An average parent 20.9 34.1 33.7
A better than average parent 30.6 27.3 27.4
A very good parent 41.5 34.3 34.5
Can t say 2.9 0.6 0.7
Total 100.0 100.0 100.0
N= 363.8 12,933.8 13,297.6
Weight is on
Copyright University of London. Centre for Longitudinal Studies
In general, frequencies and tables should be weighted before quoting percentages from them
the data.
50
40
30
20
10
0
Male
Female
(II)
(I)
Not very good at bei...
A person who has tro...
An average parent
A better than averag...
A very good parent
Can t say
Weight is on

Nesstar – example (highest qualification)



nesstar.ukdataservice.ac.uk/webview/

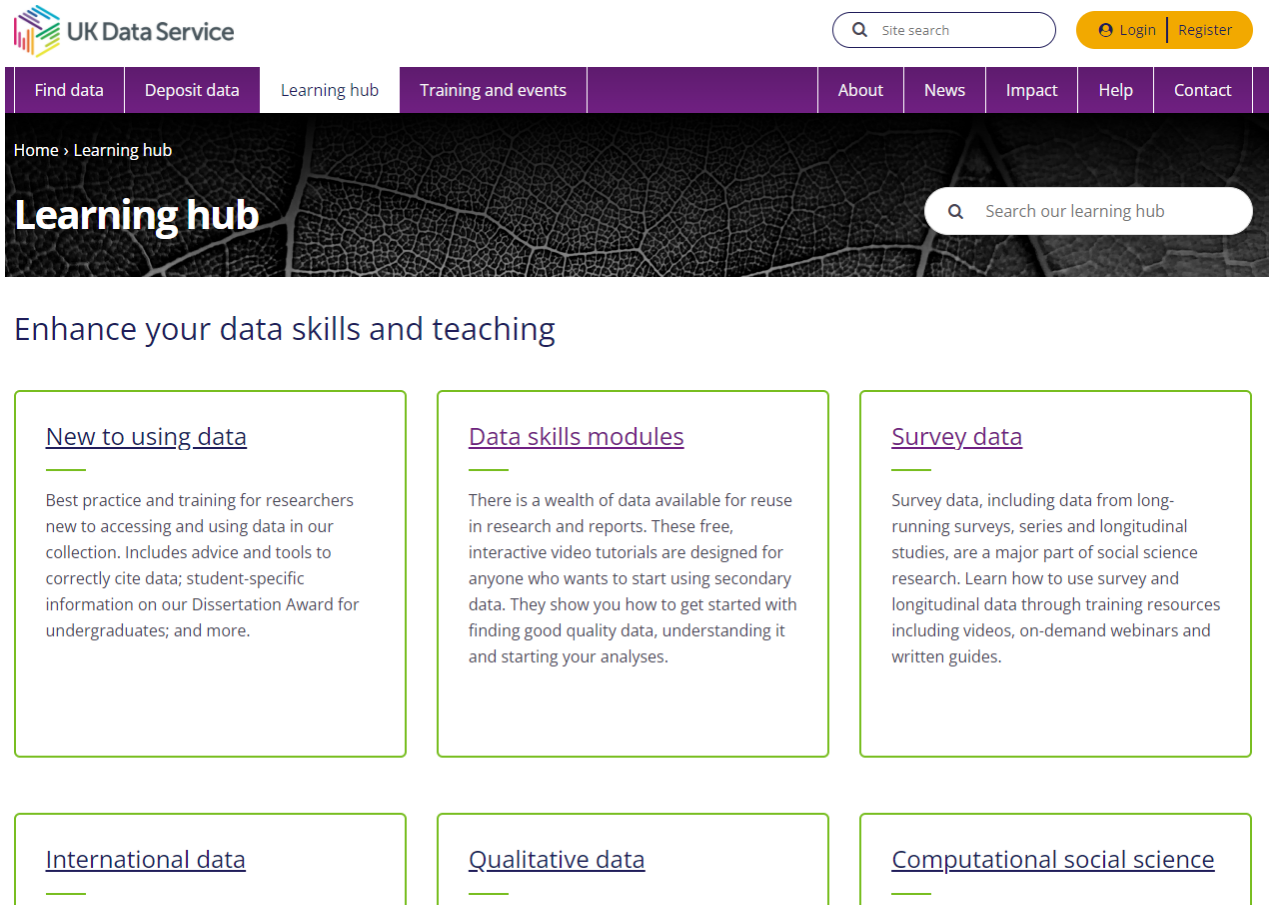
UK Data Service

Support and resources

Support and resources

- video tutorials/webinars
- student resources,
  data skills modules
- case studies
- guides
- themes
- advice on managing and sharing data
- teaching data and resources
- helpdesk, individual user support

Learning Hub



https://ukdataservice.ac.uk/learning-hub/

Longitudinal Data Skills Module

- Module introduction

UNIT 1: WHAT ARE LONGITUDINAL DATA?

- What are longitudinal data?
- Finding longitudinal data
- Check your understanding

UNIT 2: WHAT DO PEOPLE USE LONGITUDINAL DATA FOR?

- What do people use longitudinal data for?
- Use case 1: Does premature birth affect a child's long-term health or development?
- Use case 2: Using longitudinal data to explore the labour market
- Use case 3: Enjoying Life & Living Longer
- Use case 4: Parenting & contact before and after separation

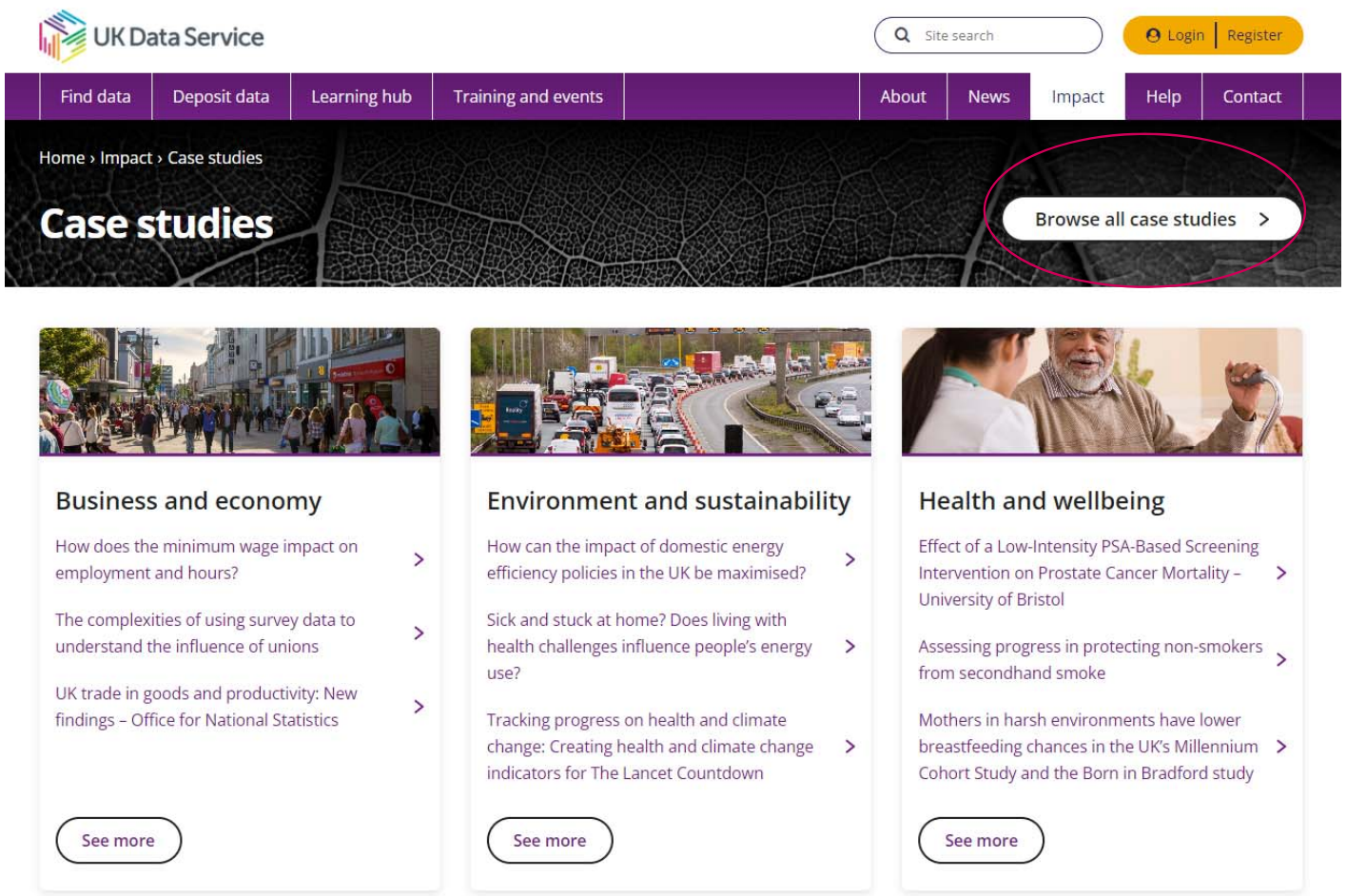
Introduction to longitudinal data

Longitudinal studies collect data about individuals, households, businesses or any other unit of observation over time so they can be used for following changes over the life course. Learn what longitudinal studies are available, key features and issues with using longitudinal data and how to start some basic analyses.

- Level: Introductory – but if you are new to surveys, we suggest you complete the surveys module first
- Time: approx. 2 hours (you can dip in and out of the materials and return as you like)
- Software: We use SPSS in the examples but you can do the examples in other statistical software. You can follow the module without having statistical software.
- Dataset: UK Household Longitudinal Study (Understanding Society) (End user licence version)
- Certificate of completion available: Yes

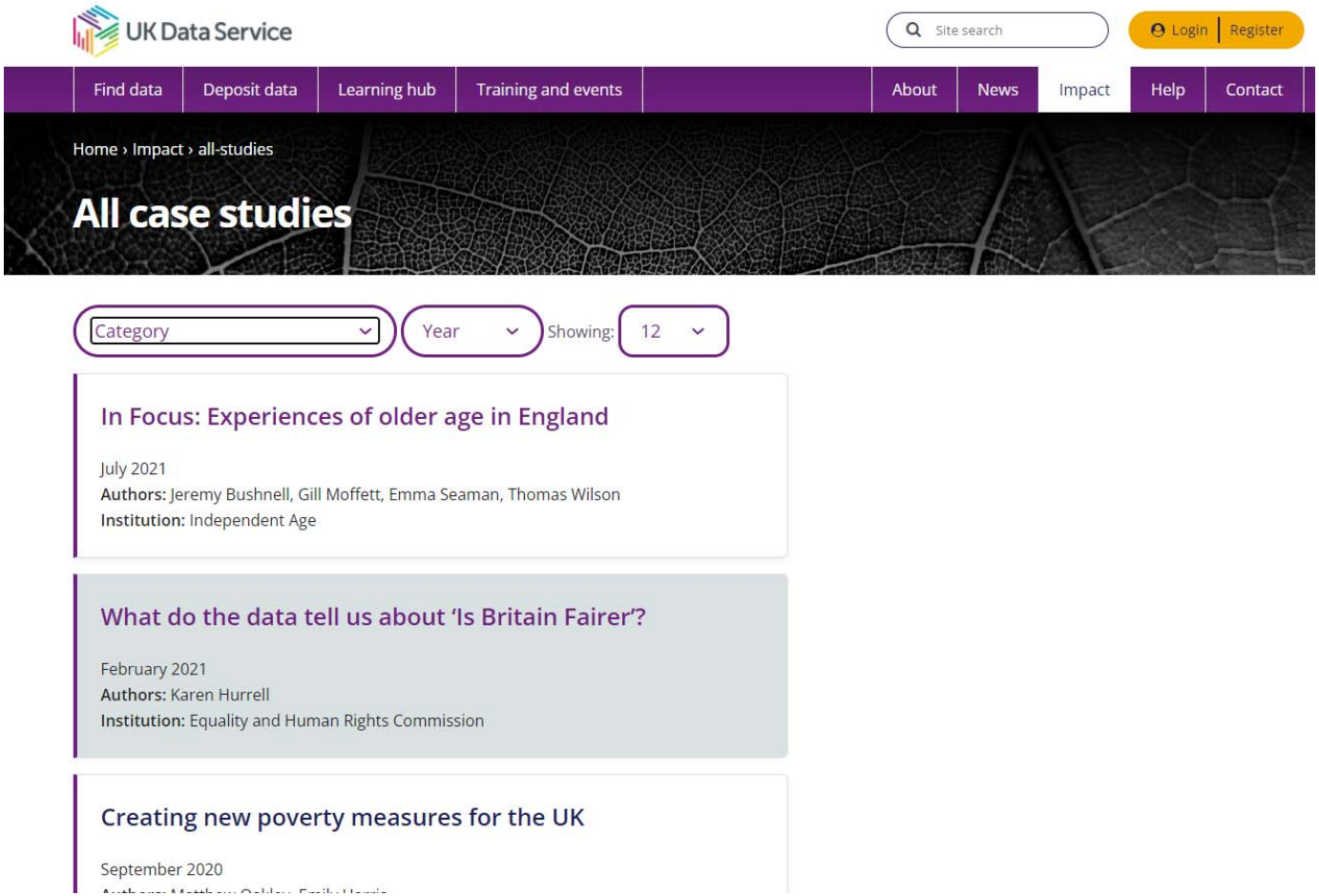
https://trainingmodules.ukdataservice.ac.uk/longitudinal/#/

Case Studies



https://ukdataservice.ac.uk/impact/case-studies/

Browsing Case Studies



https://ukdataservice.ac.uk/impact/all-case-studies/

Teaching with data

- **Accessing and sharing data for teaching**
- **Teaching resources: qualitative data**
- **Teaching resources: quantitative data**
- **Using data in teaching**
- **Schools**
- **Teaching datasets**
- **Teaching resources: data management**

Using real research data

Use real research data to bring social science learning to life. Use UK Data Service teaching datasets created to be more accessible for teaching purposes and our extensive social science teaching resources to support your teaching and learning. Most of our data collection can also be used in teaching.

Find out about how to access and share data for teaching.

Learn about teaching datasets.

Find ideas for using data in teaching.

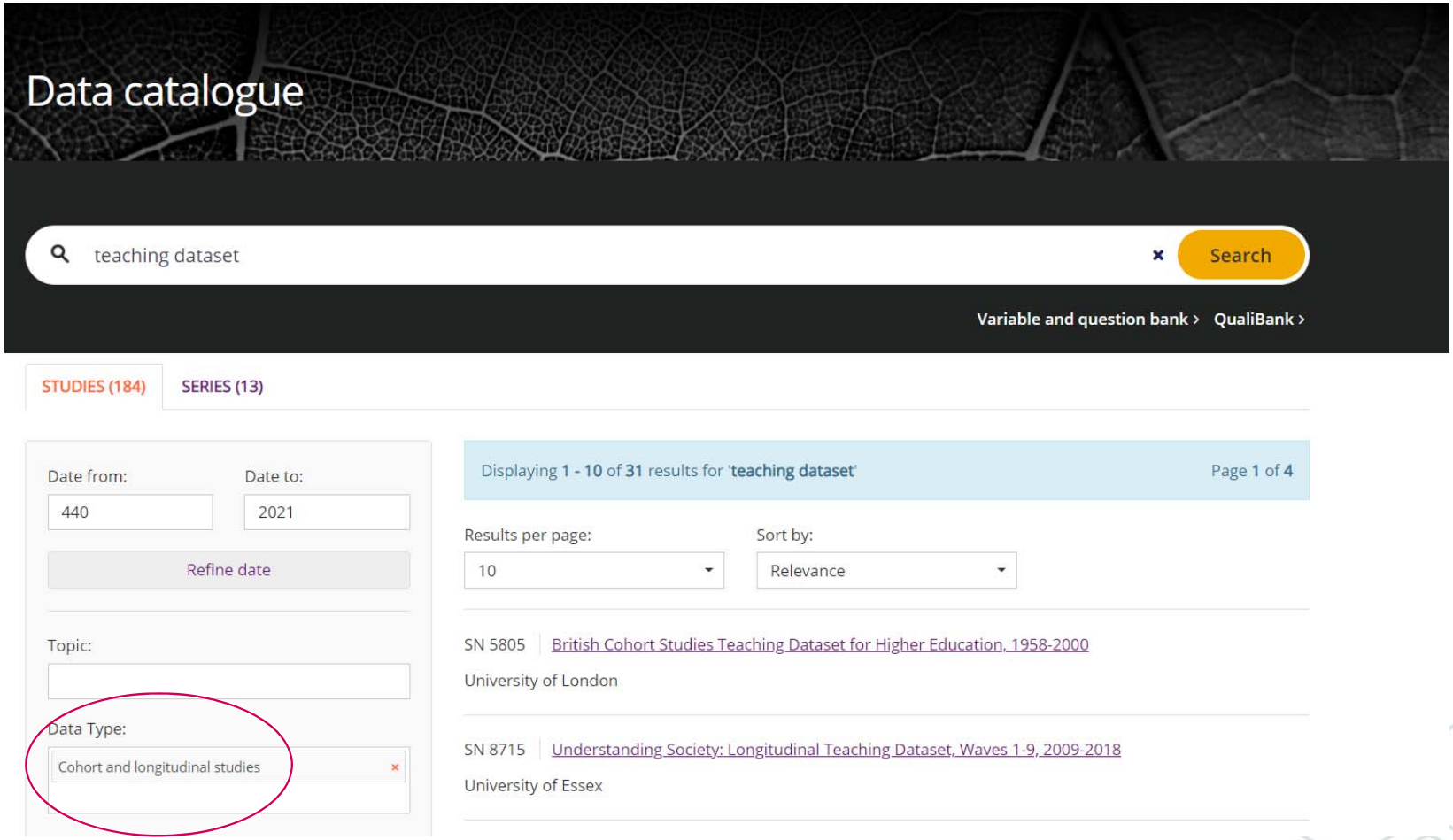
Resources for dissertations

Our dissertation resources page highlights useful resources for dissertation students including guides on how to manage research data (including templates for consent) and planning a dissertation project using survey data.

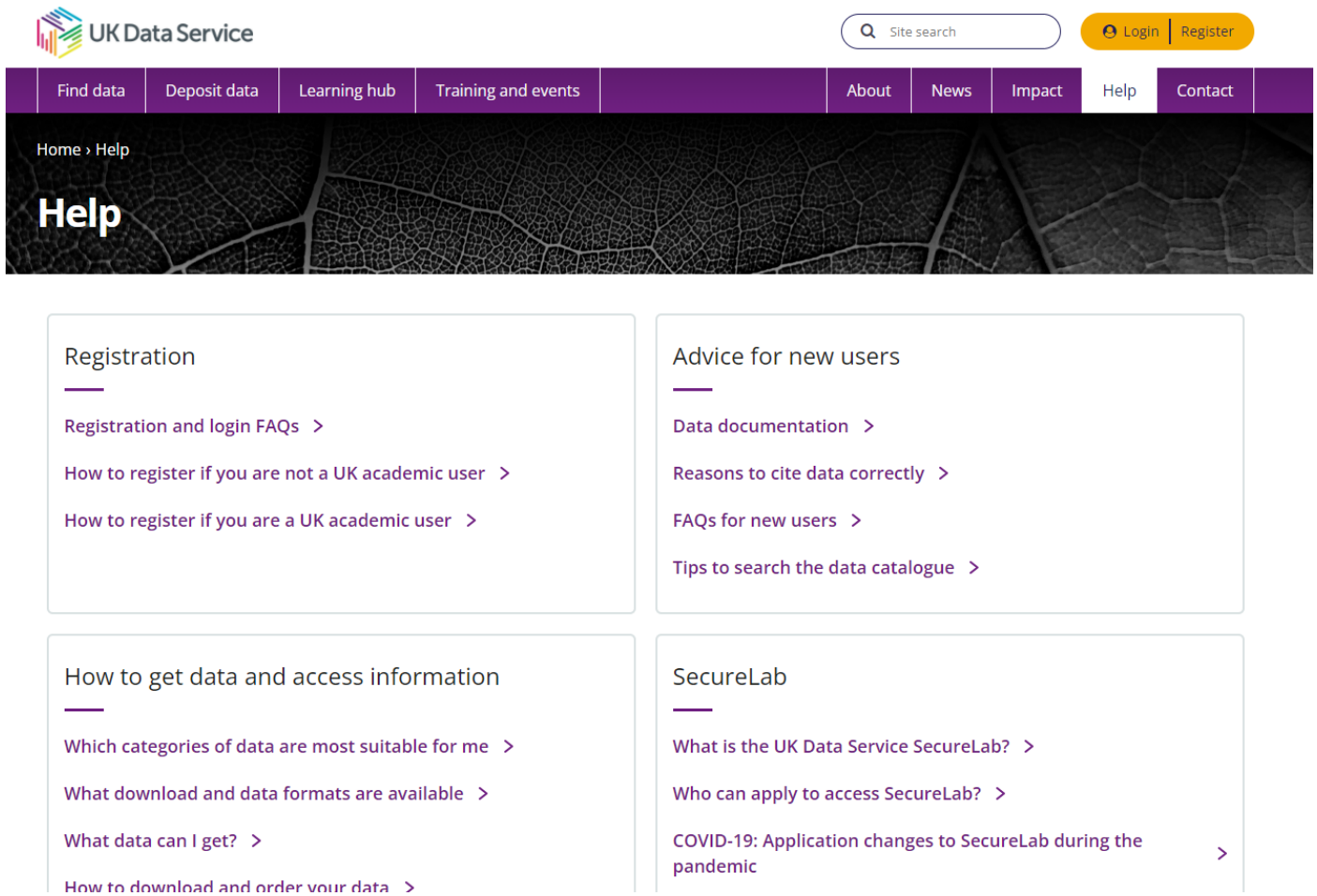
Undergraduate students using data from the UK Data Service can also enter our Dissertation Award.

https://ukdataservice.ac.uk/learning-hub/teach-with-real-data/

Longitudinal teaching datasets

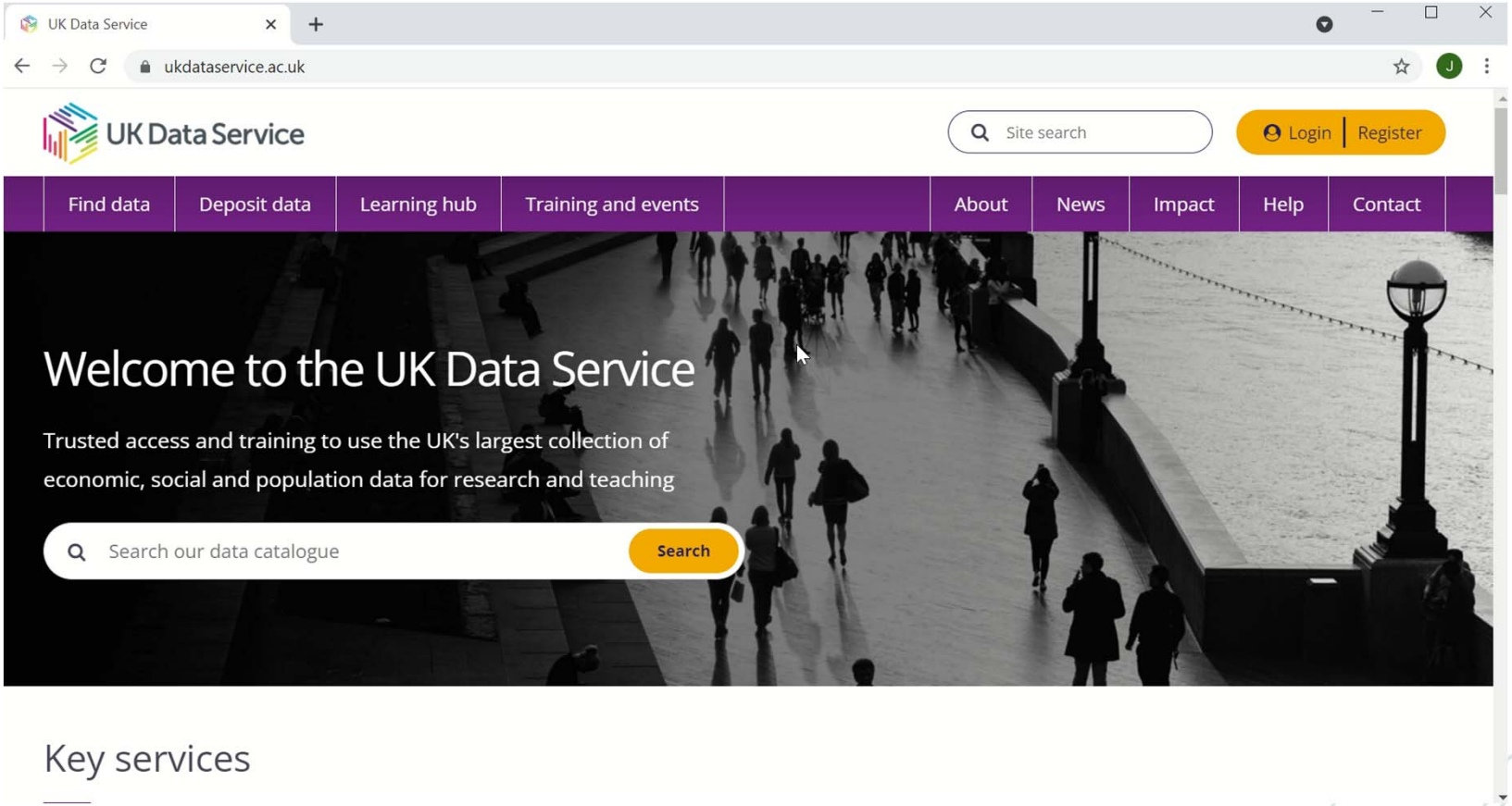


Help



https://ukdataservice.ac.uk/help/

Longitudinal Data and Studies Help Page



Any questions before we move on to the hands-on practical (which is optional)?

UK Data Service

Hands-on practical

Search Task

Please use the data catalogue to filter all ‘Cohort and Longitudinal Studies’.

1. How many results for cohort and longitudinal studies are there being displayed?

2. How many Cohort and Longitudinal studies cover the topic of ’Economics’?

3. How many of these are both ‘Safeguarded’ access datasets and cover the ‘United Kingdom’?

4. What is the first result on page 1 for this search? What is the study name and number?

5. Using the data catalogue, can you find a longitudinal dataset that would be useful in your research?

Search Task – Answers

Please use the data catalogue to filter all ‘Cohort and Longitudinal Studies’.

1. How many results for cohort and longitudinal studies are there being displayed?
1051

2. How many Cohort and Longitudinal studies cover the topic of ’Economics’?
83

3. How many of these are both ‘Safeguarded’ access datasets and cover the ‘United Kingdom’?
21

4. What is the first result on page 1 for this search? What is the study name and number?
SN 6614 Understanding Society: Waves 1-10, 2009-2019 and Harmonised BHPS: Waves 1-18, 1991-2009

5. Using the data catalogue, can you find a longitudinal dataset that would be useful in your research?

Data Citation Task

1. Find the data citation for SN 6614

Data Citation Task - Answer

1. Find the data citation for SN 6614

University of Essex, Institute for Social and Economic Research. (2021). *Understanding Society: Waves 1-10, 2009-2019 and Harmonised BHPS: Waves 1-18, 1991-2009*. [data collection]. *13th Edition.* UK Data Service. SN: 6614, http://doi.org/10.5255/UKDA-SN-6614-14

Demo how to find it !

Online Analysis Task

1. Login or register with the UK Data Service (if you are not registered yet) @ https://beta.ukdataservice.ac.uk/myaccount/login or https://beta.ukdataservice.ac.uk/myaccount/credentials

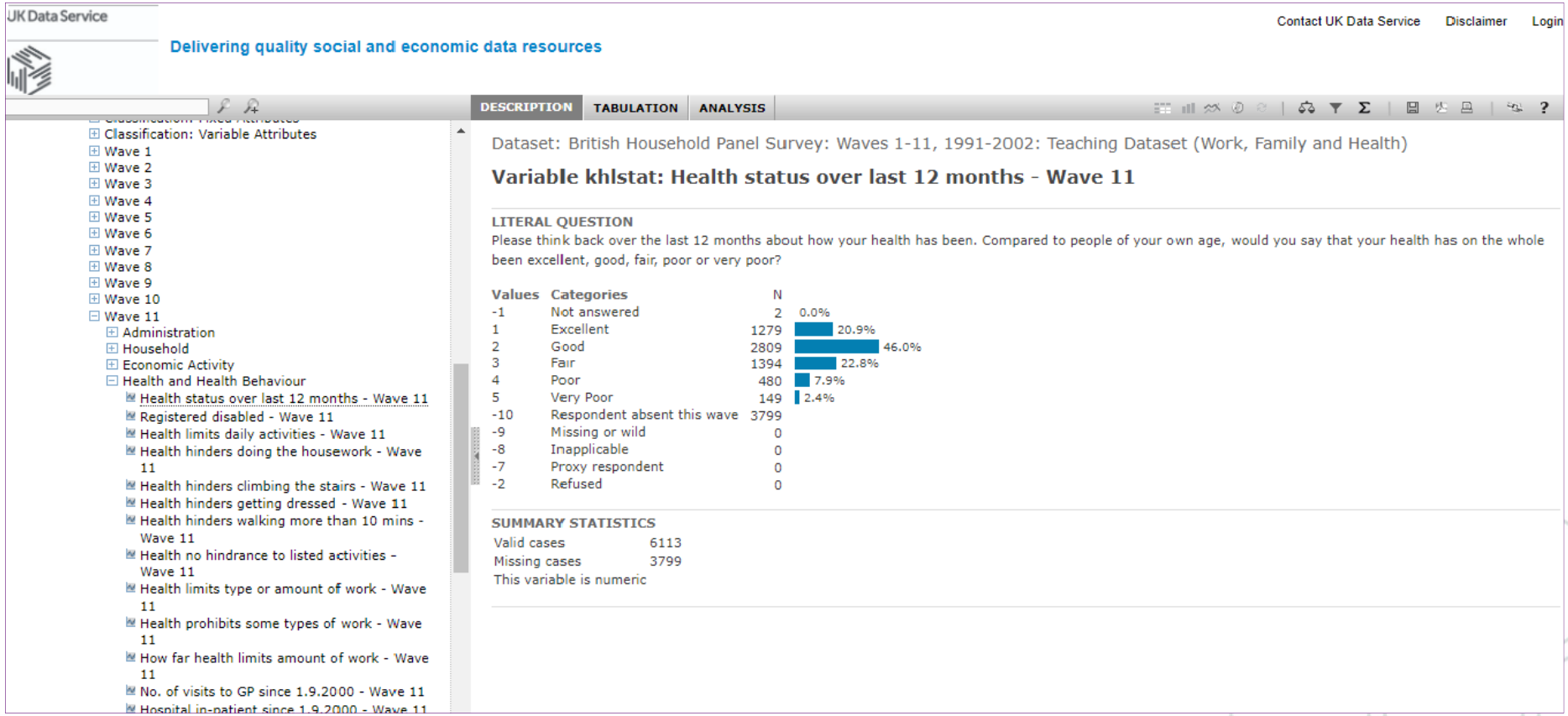
2. Go to http://nesstar.ukdataservice.ac.uk/webview/

3. On the left hand side click on 'Teaching Datasets'. You will now see the list of teaching datasets available to explore online using Nesstar.

4. Select
   - 'British Household Panel Survey: Waves 1-11, 1991-2002: Teaching Dataset (Work, Family and Health)',
   - Wave 11
   - Health and Health Behaviour -> Health status over last 12 months - Wave 11 (Question 'Please think back over the last 12 months about how your health has been. Compared to people of your own age, would you say that your health has on the whole been excellent, good, fair, poor or very poor?'

5. A - What percentage of respondents reported excellent, good, fair, poor and very poor health?

Answer - A


UK Data Service
Delivering quality social and economic data resources
Contact UK Data Service
Disclaimer
Login
DESCRIPTION
TABULATION
ANALYSIS
Classification: Variable Attributes
Wave 1
Wave 2
Wave 3
Wave 4
Wave 5
Wave 6
Wave 7
Wave 8
Wave 9
Wave 10
Wave 11
Administration
Household
Economic Activity
Health and Health Behaviour
Health status over last 12 months - Wave 11
Registered disabled - Wave 11
Health limits daily activities - Wave 11
Health hinders doing the housework - Wave 11
Health hinders climbing the stairs - Wave 11
Health hinders getting dressed - Wave 11
Health hinders walking more than 10 mins - Wave 11
Health no hindrance to listed activities - Wave 11
Health limits type or amount of work - Wave 11
Health prohibits some types of work - Wave 11
How far health limits amount of work - Wave 11
No. of visits to GP since 1.9.2000 - Wave 11
Hospital in-patient since 1.9.2000 - Wave 11
Dataset: British Household Panel Survey: Waves 1-11, 1991-2002: Teaching Dataset (Work, Family and Health)
Variable khlstat: Health status over last 12 months - Wave 11
LITERAL QUESTION
Please think back over the last 12 months about how your health has been. Compared to people of your own age, would you say that your health has on the whole been excellent, good, fair, poor or very poor?
Values Categories N
-1 Not answered 2 0.0%
1 Excellent 1279 20.9%
2 Good 2809 46.0%
3 Fair 1394 22.8%
4 Poor 480 7.9%
5 Very Poor 149 2.4%
-10 Respondent absent this wave 3799
-9 Missing or wild 0
-8 Inapplicable 0
-7 Proxy respondent 0
-2 Refused 0
SUMMARY STATISTICS
Valid cases 6113
Missing cases 3799
This variable is numeric

Any questions?

Contact

- Helpdesk:

  https://beta.ukdataservice.ac.uk/help

- Subscription emails, LinkedIn, Twitter, and Youtube:

  Subscribe to UK Data Service emails:
  jiscmail.ac.uk/cgi-bin/webadmin?A0=UKDATASERVICE

  LinkedIn: https://www.linkedin.com/company/uk-data-service

  Twitter: https://twitter.com/UKDataService

  Youtube: youtube.com/user/UKDATASERVICE

UK Data Service

Thank you.

support@ukdataservice.ac.uk