UKDS COVID Data Dive 2020

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UKDS COVID Data Dive October 2020

Introduction

The UK Data Service:

- Is a comprehensive resource funded by the ESRC

- Provides a single point of access to social, economic and population data

- Works with data owners to make these data available

- Provides training on these data

- Provides research data management training

- Provides access to special licence and secure data

#UKDSCovidDataDive

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Rapid Changes to COVID-19: Data collection & access

- The data world has reacted quickly to the COVID pandemic

- Data Collection & Ingest:
  - UK Surveys have developed new COVID surveys & got these out into the field
  - UKDS have worked hard to process these data quickly but safely

- Data Access:
  - Lockdown has meant many researchers currently unable to meet the access conditions for some datasets
  - UK Data Service has worked with data owners to adapt data access

- Secure Access:
  - Training has moved online very quickly
  - Access conditions have been renegotiated to allow temporary working from home

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COVID data dive – key datasets

beta.ukdataservice.ac.uk	beta.ukdataservice.ac.uk	beta.ukdataservice.ac.uk	beta.ukdataservice.ac.uk	beta.ukdataservice.ac.uk
UK Data Service › Study A comprehensive resource funded by the ESRC to support researchers, teachers and policymakers who depend on high-quality social and economic data.	**UK Data Service › Study** A comprehensive resource funded by the ESRC to support researchers, teachers and policymakers who depend on high-quality social and economic d	**UK Data Service › Study** A comprehensive resource funded by the ESRC to support researchers, teachers and policymakers who depend on high-quality social and econom	**UK Data Service › Study** A comprehensive resource funded by the ESRC to support researchers, teachers and policymakers who depend on high-quality social and economic	**UK Data Service › Study** A comprehensive resource funded by the ESRC to support researchers, teachers and policymakers who depend on high-quality social and economic

COVID-19 Survey in Five National Longitudinal Cohort Studies: Millennium Cohort Study, Next Steps, 1970 British Cohort Study and 1958 National Child Development Study, 2020

Understanding Society: COVID-19 Study, 2020

Welfare at a (social) Distance project

English Longitudinal Study of Ageing COVID-19 Study, Wave 1, 2020

Schools' Responses to Covid-19: Key Findings from the Wave 1 Survey, 2020

- Listening to Young Lives at Work: COVID-19 Phone Survey, First Call, 2020
- Estimating the effects of non-pharmaceutical interventions on COVID-19 in Europe, model fit for Bayesian model 2020
- UK Census
- 2001 & 2011 Census
- 1971-2001 Census
- Boundary data for 1981 to 2011

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Some additional data sources….

Survey	COVID-19 Content
Opinions and Lifestyle Survey	Ongoing module
Health Survey for England	Planning for 2021
Scottish Health Survey	Aug-Sept 2020 (wave 1); possible Nov-Dec (wave 2)
Child Psychiatric Morbidity Survey	Follow up: July 2020
National Diet and Nutrition Survey	Follow up: Aug-Dec 2020
National Survey of Sexual Attitudes and Lifestyle	Follow up: July-August 2020 (wave 1) early 2021 (wave 2)

COVID-19 theme pages on UKDS website

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Data Access Policy: our spectrum

End User Licence

- Government Office Region
- Year of birth/single year age

Special Licence

- Lower level geography, i.e. LAD
- Month & year of birth

Controlled/Secure Access

- Lower geographies, i.e. post code
- Full date of birth
- Sensitive information – Interpersonal violence
- Linkage to admin data like NPD, HES (new)

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Some examples of secure access data...

English Longitudinal Study of Ageing

- Lower level geographies

  - LSOA

  - MSOA

- Census boundaries

- Population density measure by post code

- Pension file – year will reach pension age

- Indices of Multiple Deprivation

Understanding Society & National Pupil Database

- Key Stage scores

- Free School Meals

- SEN provision

- Pupil absences

- Exclusions & reasons

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Secure Access - The Secure Lab

- Provides controlled access to a range of sensitive and potentially disclosive data

- Around 70 datasets currently
  - Business data
  - Longitudinal and cohort data
  - National Pupil Database
  - More to come!

- The Secure Lab is a remote service that is a sealed off environment

- Researchers access these data remotely through their own institutional PC

- Virtual environment has a number of controls to prevent breaches

- Anything going in or out of the Secure Lab is assessed by Support Team
  - Importing additional data
  - Releasing results from analysis

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Becoming a Safe Researcher/Application Process

- Multi-stage process
- Must be based in the UK
- Need to submit a research proposal
  - Valid statistical purpose
  - Must be feasible
- Need to become an Accredited Researcher
  - Have to meet the data owners criteria
  - Need to attend a one-day training course

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Enjoy the data dive!