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
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
COVID data dive – key datasets

- 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
### Some additional data sources....

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

[COVID-19 theme pages on UKDS website](https://ukdataservice.ac.uk/covid-19-theme-pages/)
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)
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
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
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
Enjoy the data dive!