

RESEARCH PROJECT ACCREDITATION APPLICATION

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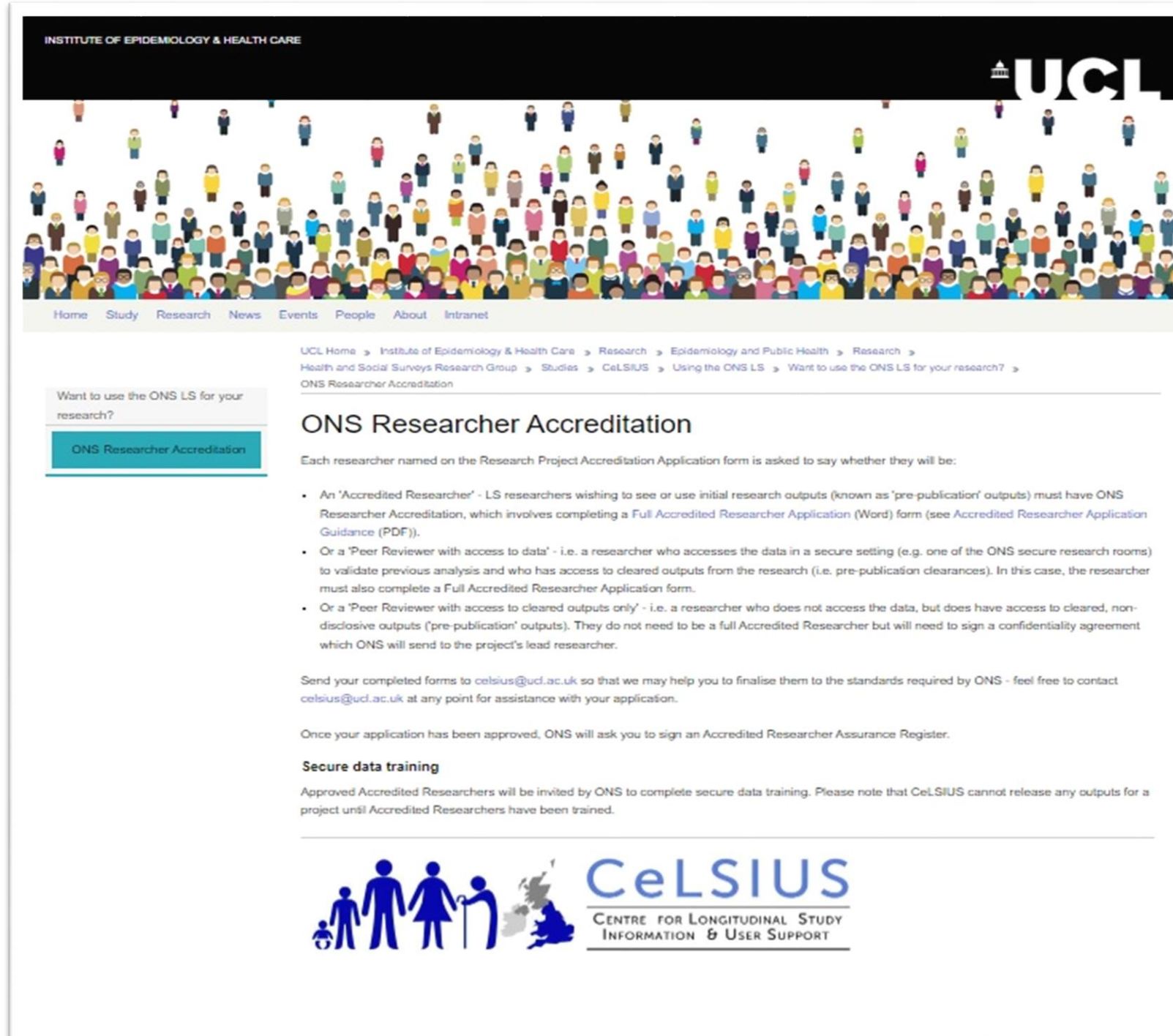
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On CeLSIUS web page:

<https://www.ucl.ac.uk/epidemiology-health-care/research/epidemiology-and-public-health/research/health-and-social-surveys-research-group/studies-54>



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Want to use the ONS LS for your research?
ONS Researcher Accreditation

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ONS Researcher Accreditation

Each researcher named on the Research Project Accreditation Application form is asked to say whether they will be:


- An 'Accredited Researcher' - LS researchers wishing to see or use initial research outputs (known as 'pre-publication' outputs) must have ONS Researcher Accreditation, which involves completing a Full Accredited Researcher Application (Word) form (see Accredited Researcher Application Guidance (PDF)).
- Or a 'Peer Reviewer with access to data' - i.e. a researcher who accesses the data in a secure setting (e.g. one of the ONS secure research rooms) to validate previous analysis and who has access to cleared outputs from the research (i.e. pre-publication clearances). In this case, the researcher must also complete a Full Accredited Researcher Application form.
- Or a 'Peer Reviewer with access to cleared outputs only' - i.e. a researcher who does not access the data, but does have access to cleared, non-disclosive outputs ('pre-publication' outputs). They do not need to be a full Accredited Researcher but will need to sign a confidentiality agreement which ONS will send to the project's lead researcher.

Send your completed forms to celsius@ucl.ac.uk so that we may help you to finalise them to the standards required by ONS - feel free to contact celsius@ucl.ac.uk at any point for assistance with your application.

Once your application has been approved, ONS will ask you to sign an Accredited Researcher Assurance Register.

Secure data training

Approved Accredited Researchers will be invited by ONS to complete secure data training. Please note that CeLSIUS cannot release any outputs for a project until Accredited Researchers have been trained.



CeLSIUS
CENTRE FOR LONGITUDINAL STUDY
INFORMATION & USER SUPPORT

1. About the project

1a) Application type

There are two types of project application you can choose from.

- ✓ Full project
- ✓ Exploratory analysis

! if your exploratory analysis application is approved, you will not be able to take any findings out of the Accredited Processor safe setting or publish your research

1b) Project title and duration

Self-explanatory part

1c) Research theme

Select the theme that most closely matches the subject of your research project. If your project theme is not included below, select 'Other theme' and specify it in the second box.

1. About the project

1d) Abstract

This should be a short description of your research project and the public good it will provide (i.e. a summary of the purpose, methodology, public good and predicted publication).

! It will be published on the

UK Statistics Authority website and the CeLSIUS website

and will help other researchers quickly identify your project

1d) Abstract of the research project (100 words max)

Provide a short description of your research project:

- Summary of the purpose.
- Summary of the methodology.
- Summary of the public good.
- Date of predicted publication and format (e.g., peer reviewed paper, conference presentation, blog, working paper).

Research purpose:

Methods used:

Public good (benefits) of research:

Predicted publication date and types (e.g., peer reviewed paper, conference presentation, blog, working paper):

Please note that as part of the Digital Economy Act 2017 (DEA), this may be published on the UK Statistics Authority's website as part of the public record and will be published on the CeLSIUS website to inform potential LS users. Keep in mind that this abstract will help other researchers quickly identify your project.

EXAMPLE of Abstracts:

- This research will provide a description ofin England and Wales (E&W), and its causes and consequences. Using data from the ONS-LS, including data from the 2021 Census, we will examine those born in specific cohort and how theirchanged compared to previous cohorts. We will correlate measures for parents and their children, using standard regression modelling, disaggregating our results by gender, ethnicity and region. By producing the most up-to-date picture in E&W, this research provides a robust evidence-base for policy. Findings will be disseminated via working papers and journal articles.

1. About the project

1e) Research purpose

- provide a more detailed description of your project's aim and objectives
- include clearly defined hypotheses to test or research questions to be answered
- include whether this research is part of a larger body or programme of work.
- the information will help ONS to assess whether your proposal will be feasible, appropriate and clearly beneficial to the public.

1e) Research purpose (500 words max)

Provide a detailed description of your:

- project's aims, including clearly defined hypotheses or research questions to be answered.
- is this research is part of a larger body or programme of work (if "yes" provide details).

This information will help CeLSIUS and ONS to assess whether your proposal will be feasible, appropriate and clearly beneficial to the public.

Project aims:

Aim 1:

+ Hypotheses 1/ Research question 1:

Aim 2:

+ Hypotheses 2/ Research question 2:

Aim...:

+ Hypotheses ../ Research question ...:

[add more if needed]

Is this research part of a larger programme of research? If so provide details:

Public good (benefits) of research:

Your research purpose may be published on the CeLSIUS website, and on the ONS website as part of the UK Statistics Authority's public record of Accredited Researchers.

EXAMPLE of Research purpose

The primary contribution of the research will be to produce robust estimates– and to compare this to previous generations. We will also be studying

The proposed research builds on and extends in England and Wales using the ONS-LS for the period

Mentioned research produced important contributions to our understanding of, shedding new light on trends infor men and women between ... (REF), how these trends varied across(REF), and how was affected by policy reforms (REF).

This research is funded by, and continues a longstanding research agenda funded by

Using the ONS Longitudinal Study (ONS LS), this research will provide the most up-to-date and comprehensive answers to this question, as well as interrogating the underlying causes and consequences of changing patterns of

We will address the following research questions (**RQs**):

1.
2.
3.

We will disseminate our findings through.....

The ONS-LS is a secure dataset that has high barriers to access, and derivation ofestimates requires significant coding time and expertise.

1. About the project

1f) Project methods

- **i)** Select all methods you will be using for your project
- **ii)** Please explain how the methods selected will lead to valid conclusions and the extent to which this method will ensure the project provides the public benefit/s of the project

ii) Project methods and validity of conclusions

Please explain how the methods selected will lead to valid conclusions and the extent to which this method will ensure the project provides the public benefit/s of the project **(500 words max)**

Project method 1:

- Expected outcome/ dependent variable/s:
- Exposure/ independent variables:
- Starting point for the modelling process:
- Development of models:
- How does this method answer the research questions/ aims in 1e)?:

Example of Project methods

- The methods outlined below are conventional statistical methods (e.g., linear regression), and we will explore the feasibility of these analyses in previous work using the ONS-LS. This provides confidence that the proposed methods will indeed realise public benefits of the research.
- Below we outline the proposed methods and rationale for each research question (RQ)

RQ1:

- We will use standard linear regression and logistic regression to estimate the correlations between parent and child socio-economic status. We will explore multiple measures of socio-economic status, to offer a complete picture of

RQ2:.....

For this research question we will use standard linear and logistic regression modelling, as well as descriptive analysis (cross-tabulations) to explore the trajectories over the lifecycle. Now we will have data spanning 1971 to the 2021 Census, which afford additional observation points over the lifecycle. This will allow us to examine the patterns of for women in more detail, for example,

RQ3:

1. About the project

1f) Project methods

iii) Are there any potential biases or limitations within the methodology?

You must give the assurance that you have thought about the limitations of the methods, any identified biases and how they might impact on your research, and that you have plans in place to mitigate against any risks identified.

iv) Project commissioner/ funder

Self-explanatory

iii) **Are there any potential biases or limitations within the methodology?**

You must give the assurance that you have thought about the limitations of the methods, any identified biases and how they might impact on your research, and that you have plans in place to mitigate against any risks identified.

Yes

No

If 'yes' is selected, please explain how you will mitigate against this risk in the text box below. **(500 words max)**

List the limitations* of your research AND describe each one.

- How likely is each limitation?

- How will you mitigate against each limitation?

Are you a previous LS user?:

- If 'yes', will you want to use syntax files from your previous project in this project?

*Limitations include: data used, analysis methods.

Example of Potential biases

The primary aim of this research is to produce robust estimates of intergenerational correlations of economic and social status, both nationally and for subgroups of interest.

We are not concerned with obtaining causal estimates, thereby residual confounding is not an issue.

The key potential methodological issues are those of measurement. In particular, sample size and issues of which timepoints in the lifecycle to use. We have explored these issues in previous work and have established the feasibility of the proposed methods, and devised suitable robustness checks where necessary (for example, studying multiple points across the lifecycle). These issues will in fact be mitigated with the addition of the 2021 Census, as we will have a larger sample size and more points in the lifecycle.

Where sample sizes become an issue, such as with certain local authority districts, we will aggregate areas over time, or across space, to ensure that minimum sample sizes for robust estimation are maintained. In general, we expect all LAD estimation to have at least 50 observations.

2. Project team

a) Project lead

b) Project deputy lead

c) Additional team members

-Self-explanatory

3. Data requirements

a) Data required

- This will be the ONS Longitudinal Study.

e.g. 1971, 1981

NB: If you want access to other datasets that are available through the SRS (e.g.

Understanding Society (UKHLS)) you will need to submit a separate Research Project

Accreditation application for those datasets.

b) External datasets

3b) External datasets

Do you intend to bring in any external data for your project?

Yes

No

If 'yes':

Describe the data and its source.

**For data that is not publicly available, provide a variable list (variable name, variable description and data type) if possible.*

Dataset 1:

- Name
- Source
- *Variables in the dataset

Dataset 2:

- Name
- Source
- *Variables in the dataset

[Add more if necessary]

Who is the owner of each dataset? You will need to provide evidence that the owner(s) has given you permission to use their data for this research. If there are any conditions to using the data, please also disclose them here. Please send us the evidence as we will need to submit it with your application).

Dataset 1

- Owner:
- Do you have permission to use this dataset? *[if 'yes' please provide evidence]*
- Are there conditions to using the dataset? *[If 'yes', what are they?]*

Example

If 'YES' in 3b):

We would like to merge in as described in the below text. We will also seek to identify other relevant external variables, which we would seek to gain relevant approval to ingest in due course.

Examples may include population statistics from the NOMIS website (<https://www.nomisweb.co.uk/>), and school quality information from the <https://www.get-information-schools.service.gov.uk/> website.

You can also add :

- Summary of purposes why you need to merge named datasets, what other quality it can bring
- What derivations/ aggregations you plan
- Technical details of coding
- Public benefit of those added data

3. Data requirements

c) Use of unpublished data

d) Data linking source

e) Data sources

f) Data access duration

g) Software required

-self explanatory

3c) Use of unpublished data (500 characters max)

To give you access to the ONS Longitudinal Study, the ONS needs to understand why you need to use the ONS Longitudinal Study specifically.

Why do you need to use the ONS Longitudinal Study for your research?

Other data sources considered for this research:

- Name of data source (1st data source considered):
- Why isn't it suitable for this research?:

- Name of data source (2nd data source considered):
- Why isn't it suitable for this research?:

[Add further if needed].

3d) Data linking

Does your project include any linking of data sources? If you answered "yes" to 3b) above, then you will also need to complete this section.

Data linking is the process of trying to establish if two records from two different databases relate to the same entity (e.g. person, geographic area). The pairs of records that you think are matches are called links. If the pair truthfully relate to the same entity, the pair are a match.

Yes No

If yes, provide details below. The information will help the ONS to understand the confidentiality risks involved.

Data source 1:

- Description of data source:
- Key variables in the data source used in this research (names and descriptions):
- How you will link the data to your ONS LS data, what variables in the ONS LS will you use to link to the other data:
- Reason/s why this linkage is needed for your research:

Examples

3c) Use of unpublished data

We have considered using.....however they are not fit for purpose because.....

A key advantage of the ONS-LS for research is that the census records for all co-resident household members can be linked to ONS-LS main study members for each census year.

Another advantage is.....

3d) Data linking source

We will merge in average earnings by occupation (SOC code) and basic demographic characteristics (sex and region) as outlined in the previous section.

We also plan to identify and merge in further relevant area-level characteristics at the LAD level, and relevant approval will be sought at that time. Examples may include labour market and population statistics from the NOMIS website (<https://www.nomisweb.co.uk/>), and school quality information from the <https://www.get-information-schools.service.gov.uk/> website.

4. Ethics

- All DEA Accredited Research project applications must include appropriate ethics scrutiny before they can be accredited.
- We suggest that you complete the Ethics self-assessment sheet (covered in final presentation today)

5. Public benefits

a) Public benefits

- To get approval for your project application, you must show that it will provide a clear public good to the UK.
- Indicate all the benefits that apply.
- **Your project should deliver at least one of the public benefits in the table provided.**

b) Risks to public good

Self-explanatory

Public Good	Describe how this research project will provide this public good
Provide an evidence base for public policy decision-making.	
Provide an evidence base for public service delivery.	
Provide an evidence base for decisions which are likely to significantly benefit the UK economy, society or quality of life of people in the UK.	
To replicate, validate or challenge Official Statistics.	
To replicate, validate or challenge existing research.	
To significantly extend understanding of social or economic trends or events by improving knowledge or challenging widely accepted analyses.	
To improve the quality, coverage or presentation of existing statistical information.	

6. Publication

ONS is unlikely to decide that your project will deliver public good if the findings are not made public.

- a) **Do you intend to publish your findings?**
- b) **What research outputs do you intend to produce to make your research available to the public?**
- c) **How will your research outputs be disseminated.**
- d) **What is your best estimate of when you expect to publish your results?**
- e) **Describe the circumstances that mean you need an exemption from making your results available to the public.**
- f) **Would you be willing to work with ONS to showcase the impact of your research findings?**

Once completed, please return this application form
with

the Longitudinal Study Supplementary Form

and the

Self-assessment form

by email to:

celsius@ucl.ac.uk