Data sharing at the University of Cambridge

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We will send you the slides
TODAY:

- Open Data:
  - Funders’ requirements for data sharing
  - Our help
DON’T I OWN MY DATA?

Yes, but you have to abide by terms and conditions agreed upon when accepting the grant.
WHAT IS RESEARCH DATA?

“...material (...) accepted in the scientific community as necessary to validate research findings...”

EPSRC:
http://www.epsrc.ac.uk/about/standards/researchdata/scope/
Funder policies for Open Access to DATA
“Publicly funded research data are a public good (...), which should be made openly available with as few restrictions as possible...”
Why would I share my data?

- Moving science forward
- Transparency in research
- Higher citation, better recognition
- Public money better spent
- Less time wasted
- Better management of your own data
- Cultural change in science
On the horizon...

Random checks on all publications from 1 May 2015 that acknowledge EPSRC + sanctions for not sharing
How to share data?

• Describe your data

• Deposit your data in suitable repositories

  • Use persistent links, e.g. DOIs (Digital Object Identifiers)

• Store data for (at least) 10 years
Exemptions

- Personal/sensitive data
- IP protection/commercial data
- Too expensive to share via a repository

Appropriate statement in the publication needs to explain the reasons for restrictions
Data Management Plans:

- Compulsory part of grant applications
- Plans for data sharing/reasons for restrictions
- MRC – update your plan regularly
- Adherence to the plan might be monitored and taken into account when applying for future funding
Budget for Research Data Management and sharing in your grant application:

- Funding can be requested on grant applications as part of the full economic cost of a research project.
- Funding can be used to support for example:
  - staff
  - physical resources, e.g. storage
    - e.g. sharing data via Cambridge data repository: £4/GB
Sharing makes your grant application more impactful:

• The more you share, the more discoverable your results, the better!

• Indicate this in your impact statements and in your data management plan

• Highlight this in your entire grant application
What do I need to do?

- For every new publication – share what is shareable & add a statement

- When applying for money:
  - Budget for Research Data Management and sharing
  - Highlight the impact of sharing your data

- Be aware of help available to you at the University of Cambridge
Cambridge support for data management and sharing
www.data.cam.ac.uk
Funder names arranged alphabetically. Click on the hyperlink below to see the full-length policy.

<table>
<thead>
<tr>
<th>Funder</th>
<th>Read the policy</th>
<th>Date of the last update/policy check</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRC</td>
<td>The MRC expects valuable data arising from MRC-funded research to be made available to the scientific community with as few restrictions as possible so as to maximize the value of the data for research and for eventual patient and public benefit. Such data must be shared in a timely and responsible manner. Grant holders shall review and update their data management plans annually. MRC also provides a detailed guideline on dealing with personal data in medical research.</td>
<td>January 2016</td>
</tr>
<tr>
<td>NERC</td>
<td>Possible sanctions: &quot;those who do not meet the data management requirements [...] risk having award payments withheld or becoming ineligible for future funding&quot; Data needs to be deposited into a NERC data centre within 2 years of collection</td>
<td>January 2016</td>
</tr>
<tr>
<td>NIH</td>
<td>&quot;Data sharing is essential for expedited translation of research results into knowledge, products and procedures to improve human health.&quot;</td>
<td>January 2016</td>
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<tr>
<td>NIHR</td>
<td>&quot;Data generated through participation of patients and the public should be put to maximum use by the research community. When you submit your final report to NIHR, they will ask you to make a statement about your data archiving position. Possible responses might state that all available data: - Can be obtained from the corresponding author. - Is included as an appendix to the report. - Can be obtained from the corresponding author via the (name of) repository. If you have deposited (or intend to deposit) data from your study into a data sharing repository, please supply the URL to the data archive so that when your report is published, the link to the data archive can be displayed on the NIHR Journals Library website alongside your published report. For research involving samples or information</td>
<td>January 2016</td>
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Key policy highlights
University of Cambridge data repository

www.data.cam.ac.uk/upload
www.data.cam.ac.uk/upload

DSpace File/S
If your file format is currently not accepted, please contact us and we will enable it for you.

Add a new file *

Drop files here or click Browse below.

Browse  Upload

Files must be less than 20 GB.
Allowed file types: bmp c cae cif csv doc docx jpeg opj mp3 mp4 mpeg mpeg4 pdf png ppt pptx rar tif tiff txt xls xlsx zip

www.data.cam.ac.uk/upload
Create a new plan

Please select from the following drop-downs so we can determine your plan.

If you aren't responding to specific requirements from a funder or on the most common themes.

If applying for funding, select your research funder.

Otherwise leave blank.

https://dmponline.dcc.ac.uk/

www.data.cam.ac.uk/support/external
Advice on preparing a data management plan

Would you like to get advice on your data management plan? We are here to help. Please send us your data management plan by using the form below and we will get back to you within five working days.

Important notes:

By using this service you certify that you have read you funder's policies on research data management and prepared your data management plan in accordance with these policies.

Funders' guidance on data management plans:

Specific guidance on funders' requirements for data management plans is available below – you need to follow funders' guidance when preparing a data management plan.

- AHRC
- BBSRC
- EPSRC
- ESRC
- MRC
- NERC
- Royal Society
- STFC
- Wellcome Trust

Example data management plans:

We also have some example data management plans which might be useful when preparing your first data management plan:

- AHRC – from the University of Bristol
- ESRC (Social Sciences) – from the University of Leeds
- ESRC (Psychology) – from the University of York
- MRC – from the University of Bristol
- Wellcome Trust – from London School of Hygiene and Tropical Medicine
www.data.cam.ac.uk/events

Events

19 JAN
Open Data information session @ Addenbrooke's site
Tuesday, 19 January 2016, 10:30 - 11:30

20 JAN
Open Data information session @ Mill Lane
Wednesday, 20 January 2016, 14:30 - 15:30

22 JAN
Wellcome Trust’s and CRUK’s requirements for data sharing – meet the funders
Friday 22 January, 10.30 - 12.00, Gurdon Institute

12 FEB
Strategies for managing social media research data
Friday 12 February, 1:00 PM - 4:00 PM

29 FEB
Research Data Management Workshop
Mon 29 Feb 2016, 10:30 - 12:30

12 APR
Research Data Management Workshop
Tues 12 April 2016, 10:30 - 12:30

11 MAY
Research Data Management Workshop
Wed 11 May 2016 – 10:30 - 12:30
FAQ

What needs to be shared and when?
Questions about exemptions from research data sharing
Questions about resources to support research data sharing
Questions about data repositories
Questions about personal/sensitive/commercial data
Questions about source code sharing
Questions about data from collaborations

www.data.cam.ac.uk/data-faq
Key take-home messages:

• For every new publication – share what is shareable & add a statement

• When applying for money:
  • Budget for Research Data Management and sharing
  • Highlight the impact of sharing your data

• Be aware of help available to you at the University of Cambridge
THANK YOU

Enquiries about research data: info@data.cam.ac.uk
Enquiries about Open Access to publications: info@openaccess.cam.ac.uk

Follow us on Twitter: @CamOpenData
Resources for working with personal/sensitive data

• University Ethics website:
  • www.research-integrity.admin.cam.ac.uk/research-ethics/
  • Dr Rhys Morgan, Research Governance and Integrity Officer:
    rhys.morgan@admin.cam.ac.uk

• MRC guidelines:
  • http://www.mrc.ac.uk/documents/pdf/personal-information-in-medical-research/

• ESRC consent form, anonymisation guide, and access control:
  • http://www.data-archive.ac.uk/create-manage/consent-ethics/consent?index=3
  • http://ukdataservice.ac.uk/manage-data/legal-ethical/anonymisation
  • http://ukdataservice.ac.uk/manage-data/legal-ethical/access-control

• Our website (University resources):
  • http://www.data.cam.ac.uk/sensitive-data
What if my data contains personal/sensitive information?

• Make your data discoverable – share the metadata:

  • **Our repository:** [www.data.cam.ac.uk/upload](http://www.data.cam.ac.uk/upload)

  • **Records can be embargoed/made private**

  • **Will be automatically updating researcher’s profiles in Symplectic/VIVO**

• **Researchfish**

• **Return for REF**