How Faculty Share Research Data?

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Outline

• Background / Objectives
• Methods
• Results
• Conclusion
Background

BioMed Central Open Data Policy
https://www.biomedcentral.com/about/policies/open-data

NIH Data Sharing Policy

PLOS Data Availability
http://journals.plos.org/plosone/s/data-availability
Objectives

- Explore how researchers share their data
- Understand researchers’ needs better
- Provide better research support services
Methods

- PubMed Search
- 3/3/2014-6/30/2017
- Results in EndNote
- Data Collection
- Data Analysis
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<th>PLOS Journals Searched</th>
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<td>PLOS ONE</td>
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<td>PLOS pathogens</td>
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<td>PLOS medicine</td>
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<td>PLOS computational biology</td>
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<td>PLOS neglected tropical diseases</td>
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### PLOS Acceptable Data-Sharing Methods

- Data deposition (strongly recommended)
- Data in supporting information files
- Data made available to all interested researchers upon request
- Data available from a third party
Results

- 148 articles (n=148) retrieved from PubMed meeting the search criteria with 84% of them (n=124) published in PLOS One
- 59% (n=88) of the articles with a statement that the all relevant data are within the paper and / or its Supporting Information files
- 11% (n=17) papers indicating that data were deposited in a repository with 11 in a subject repository and 6 in a general repository
- 3 articles stating that data were available upon request and 4 stating that data were available via the third party
- 36 articles with no Data Availability Statements due to submission before the PLOS Data Policy began to be enforced on March 4, 2013.
Data Sharing Methods

N=148

- No Statement: 36
- Data Deposition: 17
- Data in Paper and Supplement Files: 88
- Data Upon Request: 3
- Data via 3rd Party: 4
Conclusion

- Even though some researchers made data available by deposition in either subject or general repositories, this method is not used as widely as expected by the investigator.
- Most popular data sharing method was to include the relevant data within the paper or supporting information files.
- The study did not show what could be the reason why data deposition was not widely used. Whether it is due to unawareness of available repositories or unwillingness to deposit in a data repository is not known.
- Further research needs to be conducted to identify researchers’ attitudes toward data deposition in repositories.
References


Thank You!

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