

The background of the slide features a large, faint watermark of the Rutgers University seal. The seal is circular with a sunburst in the center and the words "RUTGERS UNIVERSITY" around the perimeter. The text "RUTGERS" is prominently displayed in red at the top left of the slide.

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# How Faculty Share Research Data?

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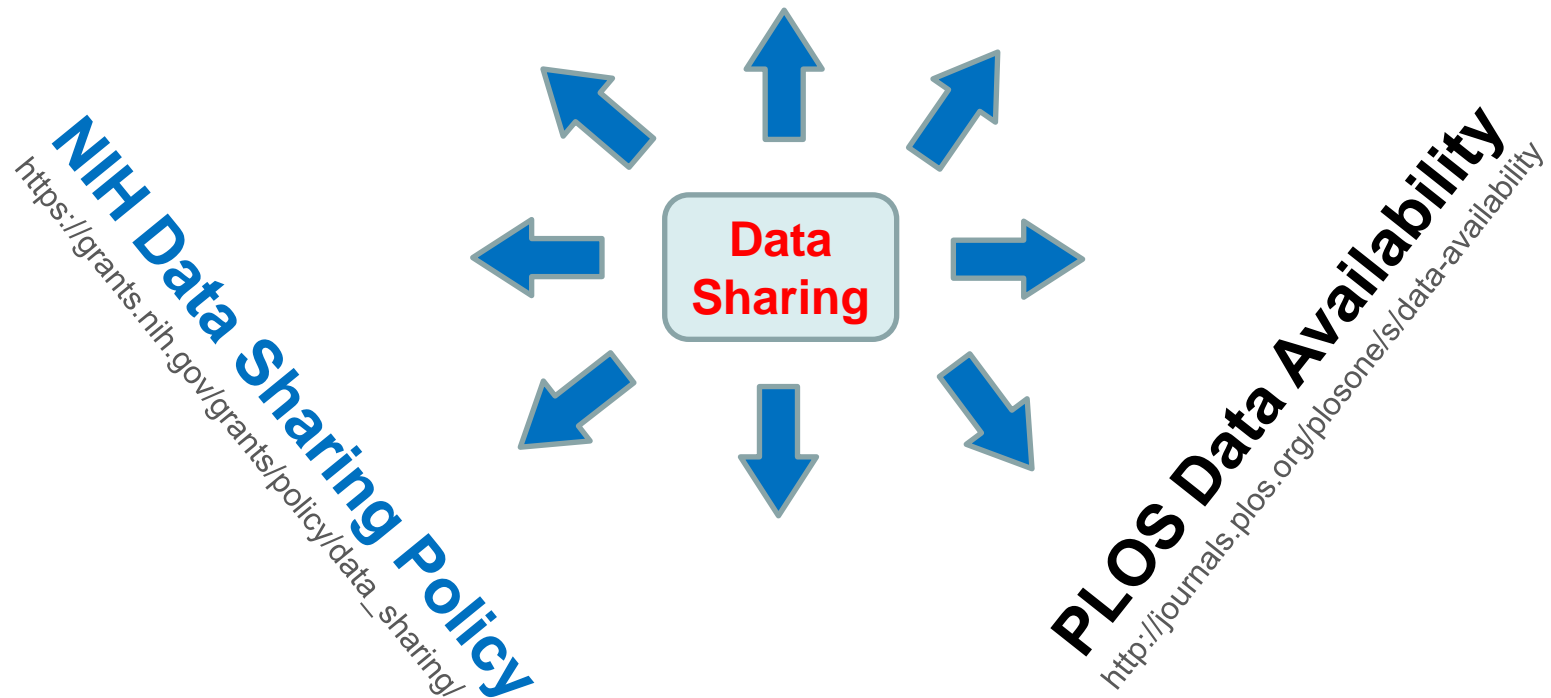
2018 VALE Users'/NJLA CUS/NJ ACRL Conference

January 5, 2018

# Outline

- Background / Objectives
- Methods
- Results
- Conclusion

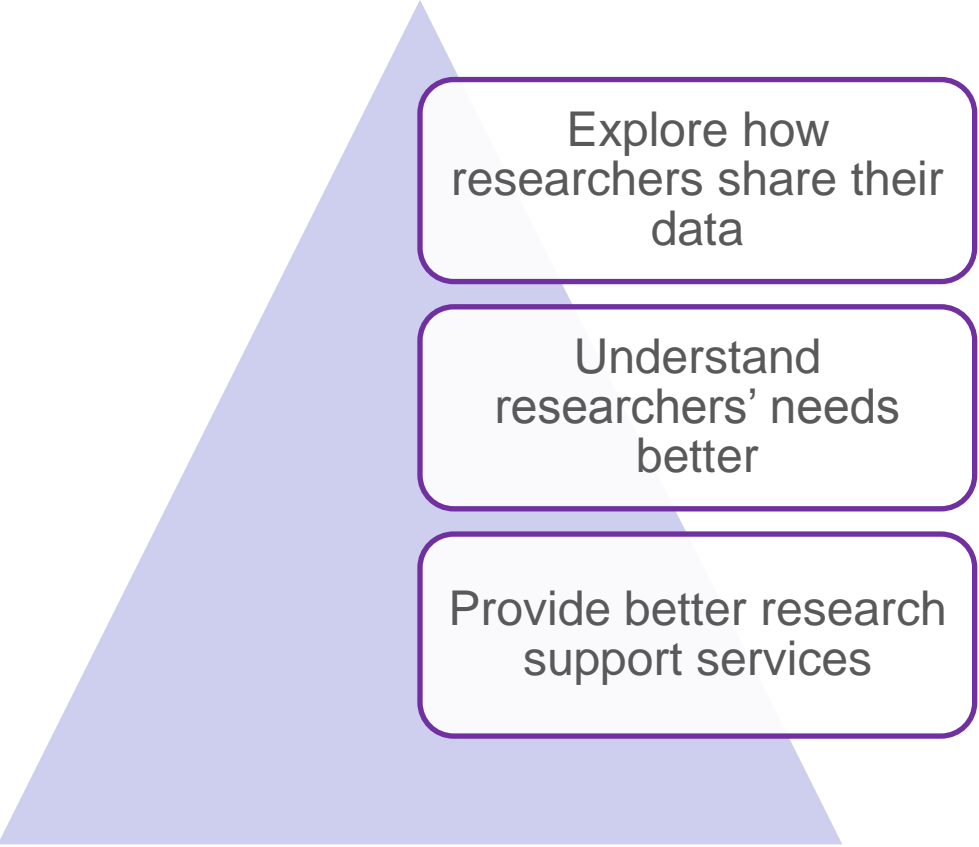
# Background



## BioMed Central Open Data Policy

<https://www.biomedcentral.com/about/policies/open-data>

# Objectives

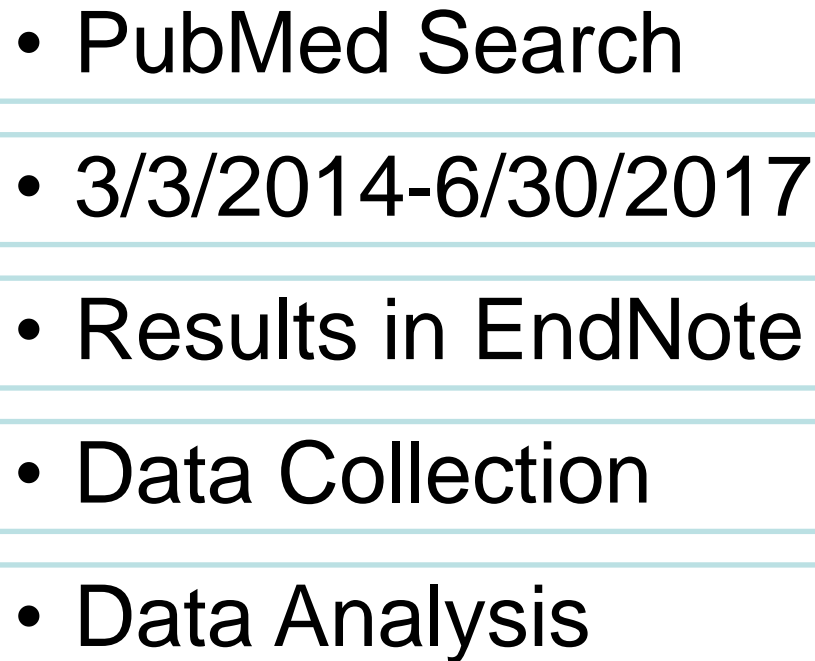


Explore how  
researchers share their  
data

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

## PLOS Journals Searched

PLOS ONE	PLOS pathogens
PLOS genetics	PLOS currents
PLOS medicine	PLOS computational biology
PLOS biology	PLOS neglected tropical diseases

## **PLOS Acceptable Data-Sharing Methods**

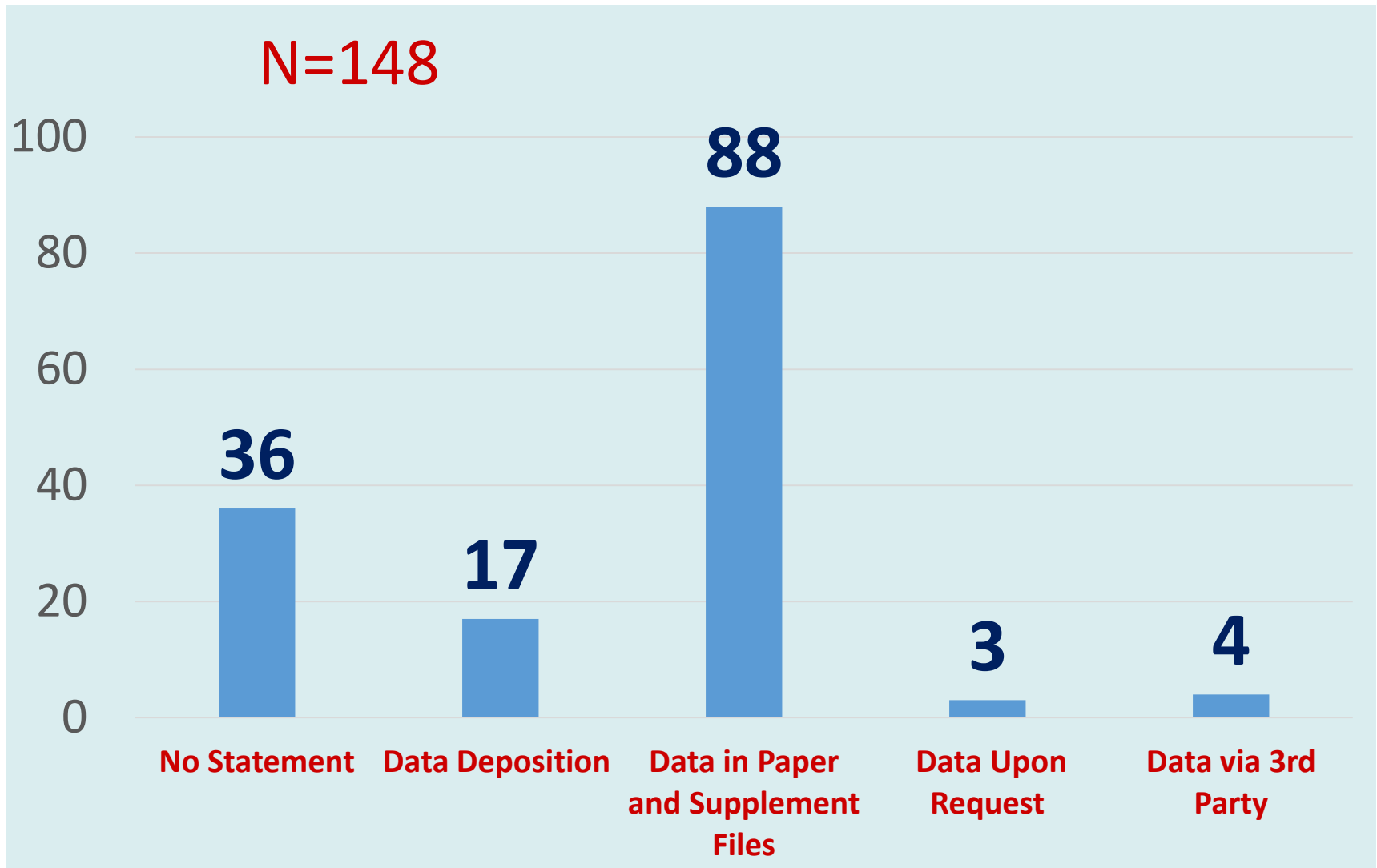
- Data deposition (strongly recommended)
- Data in supporting information files
- Data made available to all interested researchers upon request
- Data available from a third party

# 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



# 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

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2. NIH Data Sharing Information. 2007; [http://grants.nih.gov/grants/policy/data\\_sharing/](http://grants.nih.gov/grants/policy/data_sharing/).
3. Silva L. PLOS' New Data Policy: Public Access To Data. *EveryONE*2014. <http://blogs.plos.org/everyone/2014/02/24/plos-new-data-policy-public-access-data-2/>
4. PLOS. Data Availability. <http://journals.plos.org/plosone/s/data-availability>.

# Thank You!



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