

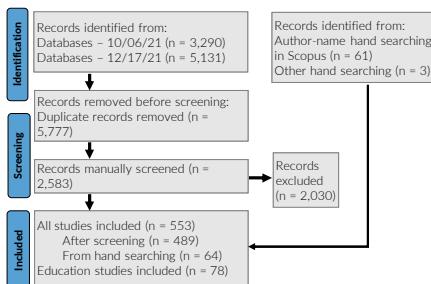
## Objectives

- The value added by librarians to health sciences scholarship is well documented, however no study currently demonstrates the entirety of librarian contributions to pharmacy publications.
- This poster presents a bibliometric analysis of librarian and pharmacist co-authored publications to identify:
  - The scholarly contributions made by librarians to pharmacy literature;
  - Patterns within co-authorship networks; and
  - The citation impact of librarian co-authors on pharmacy publications.

## Methods

- The authors conducted a comprehensive literature search of six databases and conducted hand searching by author names.
- All unique citations were screened and relevant citations underwent bibliometric analysis and data mining to map the included literature, focusing on the citation impact, topic areas, document types, and the most represented institutions and authors.

### Literature Search and Screening Process



### Data Measures, Sources, and Tools

Data Measures	Categories	Metrics	Data Source	Analysis Tool
Bibliometric Measure	Research productivity	Number of publications by year	Database & hand searching	Microsoft Excel
	Publications by document type	Number of publications by document type	Scopus, PubMed, & manual analysis	
	Publications by geo location	Number of publications per country	Scopus & PubMed	Tableau
	Citation impact	<ul style="list-style-type: none"> <li>Total citation counts</li> <li>Average cites per publication</li> <li>Citation Impact percentile</li> <li>Relative Citation Ratio</li> </ul>	Scopus, PubMed, & iCite	Microsoft Excel & Tableau
	Publication by source title	Number of publications by source title	Scopus & PubMed	Microsoft Excel
Collaboration Measure	Contributing libraries	<ul style="list-style-type: none"> <li>Total number of libraries</li> <li>Top contributing libraries</li> </ul>	Scopus & PubMed	Microsoft Excel, Python, & Tableau
Topic Measure	Topic distribution	MeSH Term & keywords co-occurrence network	PubMed	Microsoft Excel & VOSviewer

**After analyzing 533 papers, librarian and pharmacist co-authored publications are cited more frequently than average publications in the same year and field, showing the impact of interprofessional collaboration on pharmacy research.**

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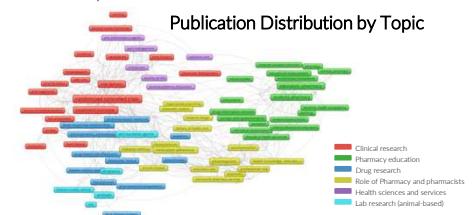
## Results

533 publications were included in the analyses. Librarians from 32 countries and 272 libraries coauthored publications, published in 180 sources.

### Most Common Journals (n>5)

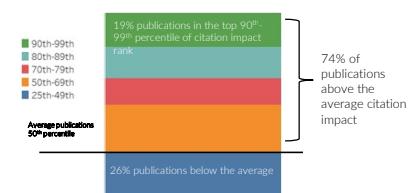


The publications represent a wide spectrum of research topics, across clinical, healthcare, education, and laboratory research areas.



74% of the included studies have higher citation counts than average publications in the same year and field.

### Citation Impact Percentile (1974-2022)



The median citation impact of these papers is also slightly higher than 50% of NIH-funded papers, measured by Relative Citation Ratio (RCR).

### Citation impact – Relative Citation Ratio

Cites Per Year	Relative Citation Ratio (RCR)			Weighted RCR					
	MAX	MEAN	SEM	MED					
206,20	8.09	0.78	2.00	1	117.31	2.63	0.38	1.08	1196.85

## Conclusions

- This analysis shows librarians around the world are co-authoring high-impact research publications, although the total number of publications is small.
- The authors encourage librarians and pharmacists engaged in interprofessional collaborations to publish their work, increasing the visibility of these partnerships and adding to the available literature.
- References list: [go.unc.edu/AACP23-poster-refs](http://go.unc.edu/AACP23-poster-refs)