

Scholarly communications: are the health and life sciences pulling the train or slowing it down?

Midwest Chapter MLA – 2014 Conference

October 12, 2014 - Bismarck, North Dakota

Jere Odell¹, Emily Dill², Kristi Palmer¹

¹University Library, IUPUI, Indianapolis, IN

²University Library of Columbus, IUPUC, Columbus, IN



a clarification

[Open Access] Scholarly Communications:



our question

How do attitudes toward open access differ among four major discipline groups?

Health & Life Sciences

Humanities

Physical & Technical Sciences

Social Sciences

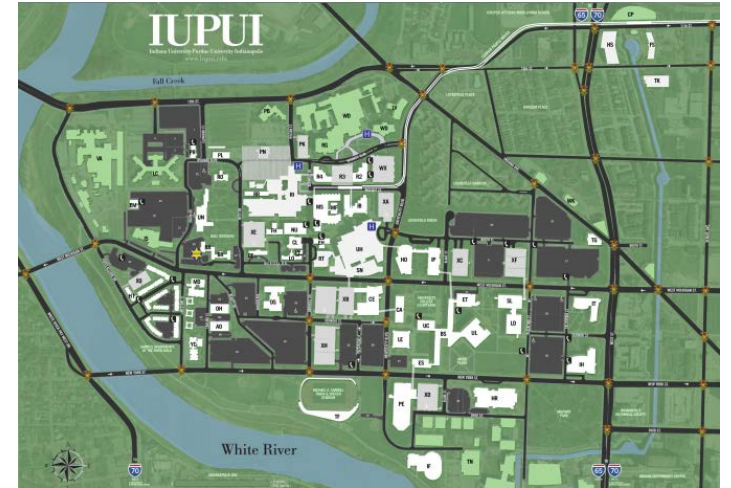
why do we care?



<https://www.nihms.nih.gov/>
<https://impactstory.org/>
<https://pkp.sfu.ca/>
<http://www.dspace.org/>
Anecdoteak, Scam.
<http://commons.wikimedia.org/>
<http://www.plosone.org/>

about IUPUI

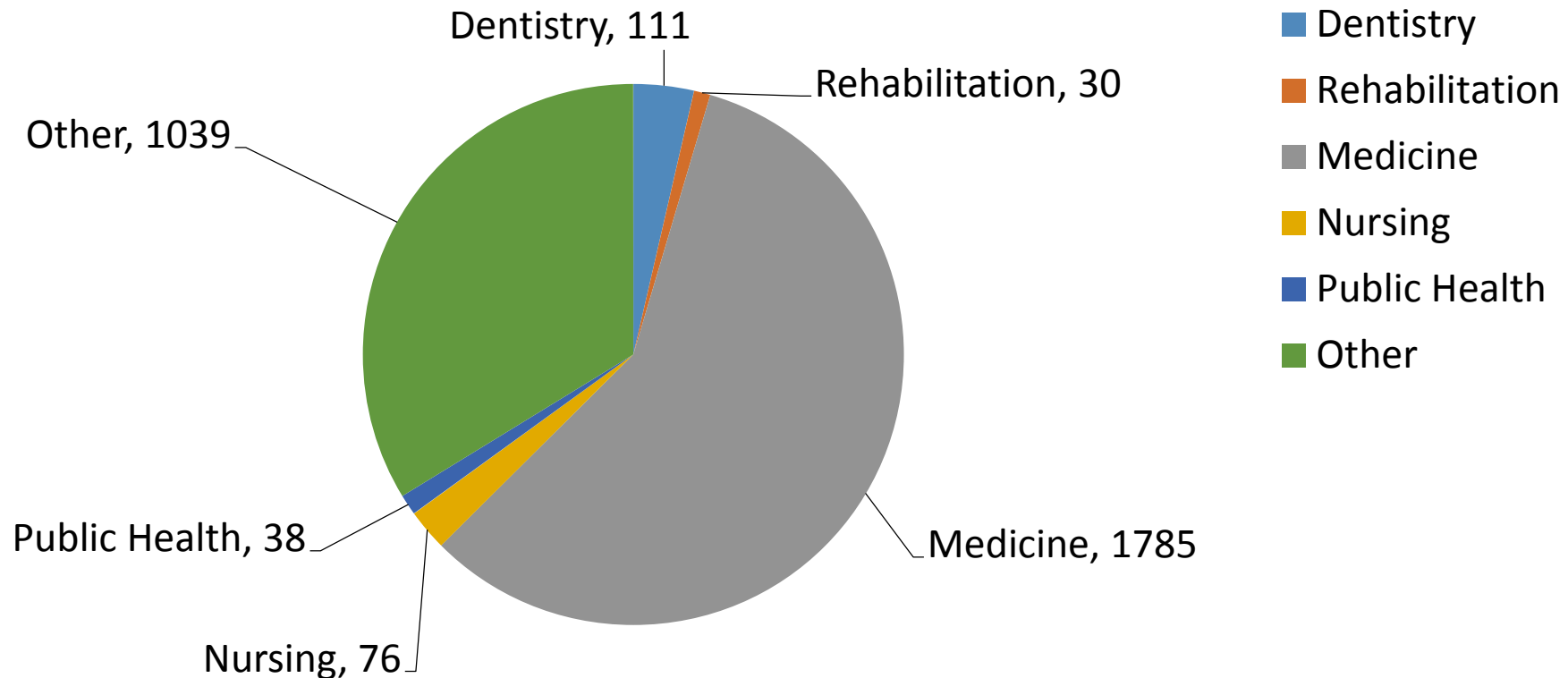
- Indiana University Purdue University Indianapolis
- 30,000+ students
- IU degrees
- Purdue degrees
- 3,000+ faculty
- 17 schools, including:
 - IU School of Dentistry
 - IU School of Health and Rehabilitation Sciences
 - IU School of Medicine
 - IU School of Nursing
 - Richard M. Fairbanks School of Public Health



<http://www.iupui.edu/>

is IUPUI a “health science” campus?

66% of faculty are members of health science schools



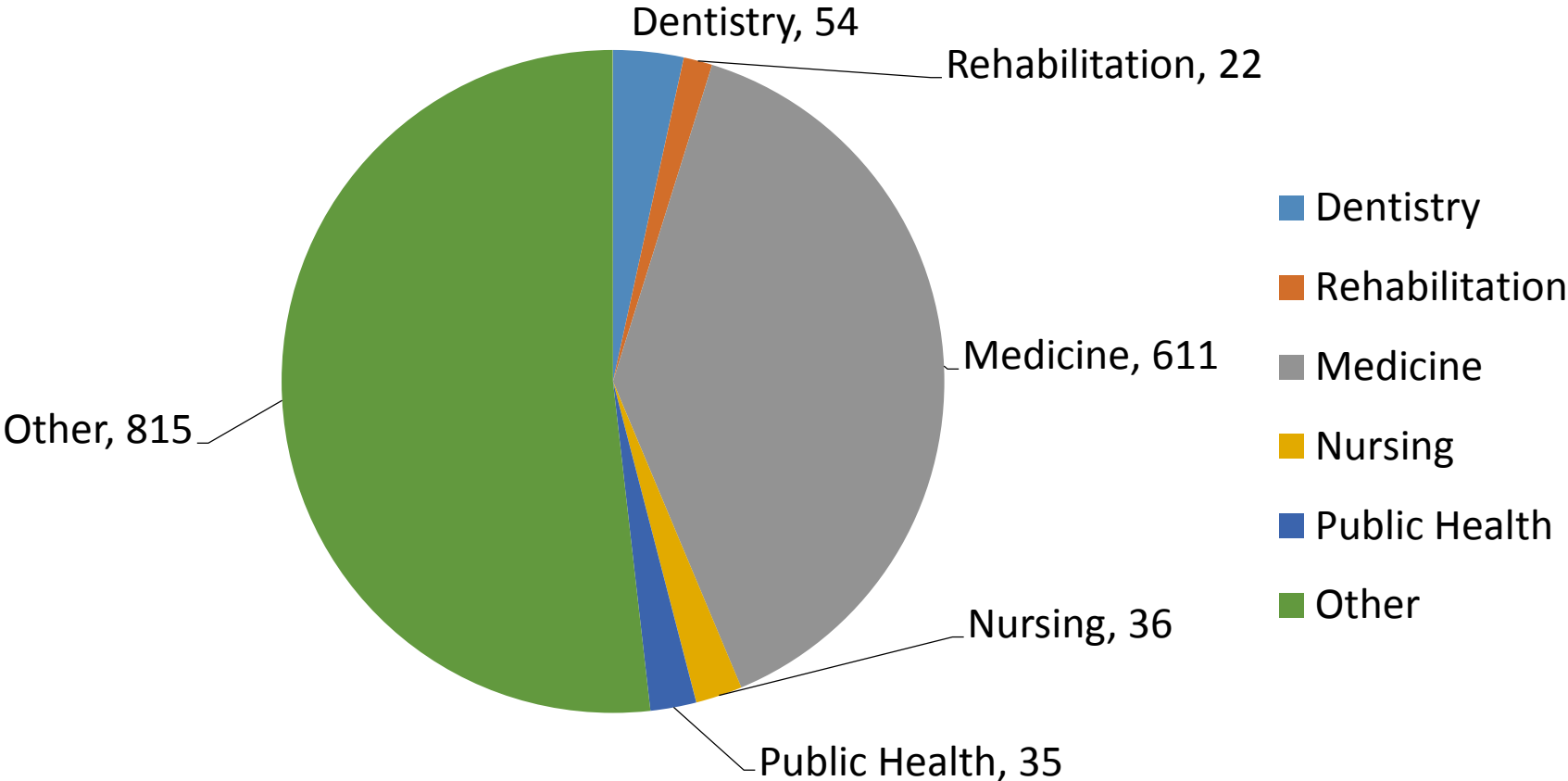
survey instrument & recruitment

- **Recruitment:** Fall 2013 online survey; sent to all faculty by email (twice).
- **Instrument:**
 - Replicated from two prior university-wide surveys—U. of California (2006) and U. of Toronto (2010)
 - **Scope:** Scholarly Communications (publishing, peer review, promotion and tenure, and more)
 - IRB exempt
 - Adapted and delivered with REDCap, Indiana CTSI (<https://redcap.uits.iu.edu/>)
 - 126 fields; ~ 20 minutes to complete
- **Responses:**
 - 337 entered; 247 completed
 - Raw response rate: 11% (337/3079)

inclusion criteria

Included: tenure track faculty members and lecturers; excluded: clinical, research ranks, visiting, and “other” faculty. (Criteria replicates UC & UT studies.)

48% of eligible faculty are members of health science schools (n=758)



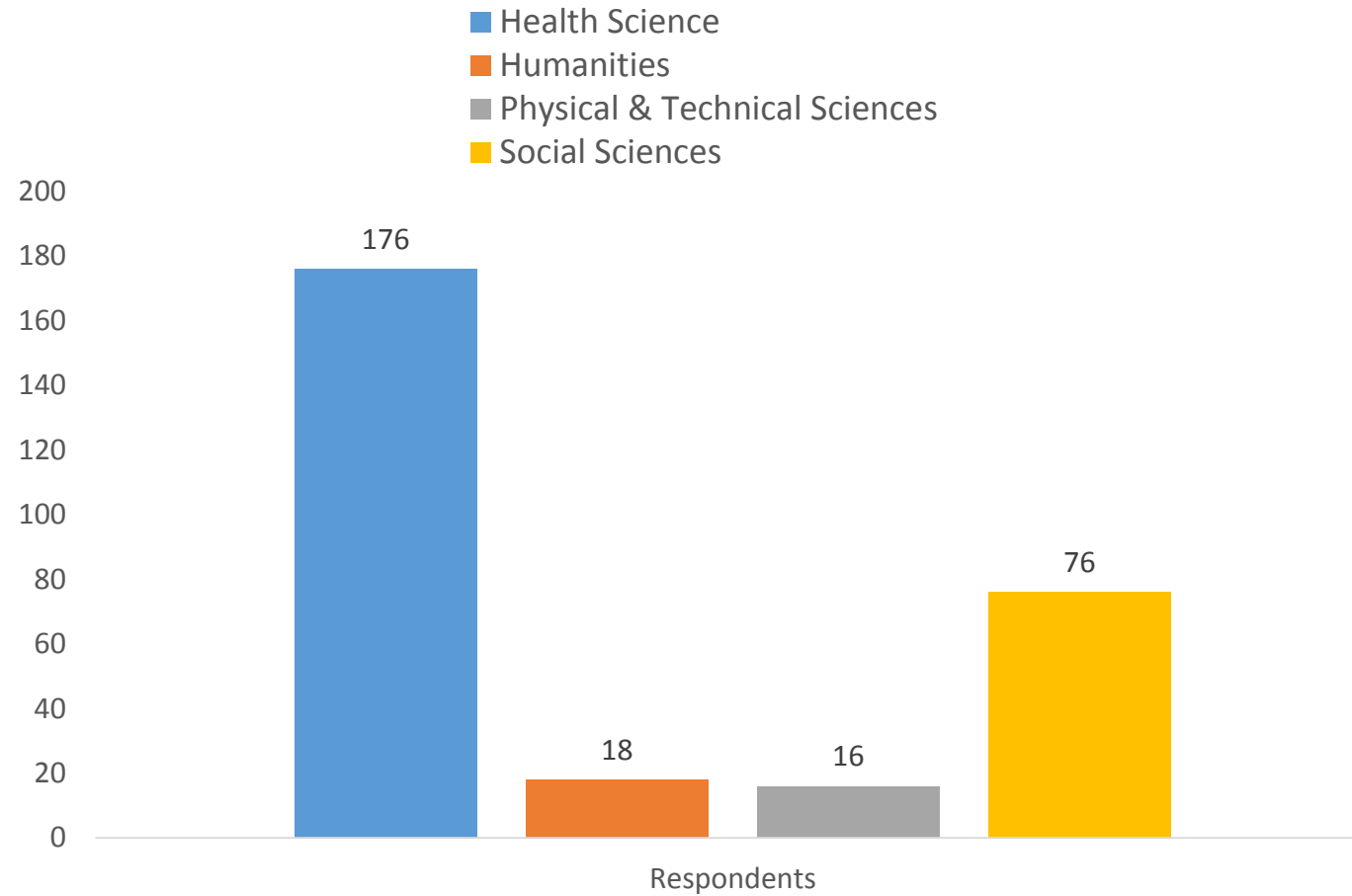
survey response rate

- Excluded: 52 respondents (by rank, by request or because they didn't complete the demographic questions)
- 215 eligible respondents completed entire survey
- 71 eligible respondents completed a portion
- Achieved sample: 18% (14% for complete survey)
 - Toronto: 16% of population
 - California: 13% of population

discipline?

- Department?
- What is the discipline of your graduate degree?
- In which of the following areas do you currently publish?
 - Humanities
 - Social Sciences
 - Life Sciences
 - Health or Medical Sciences
 - Mathematics or Computer Science
 - Physical Sciences
 - Engineering
 - Law
 - Business
 - Information Science
 - Art
 - Music
 - Other

coded disciplinary categories

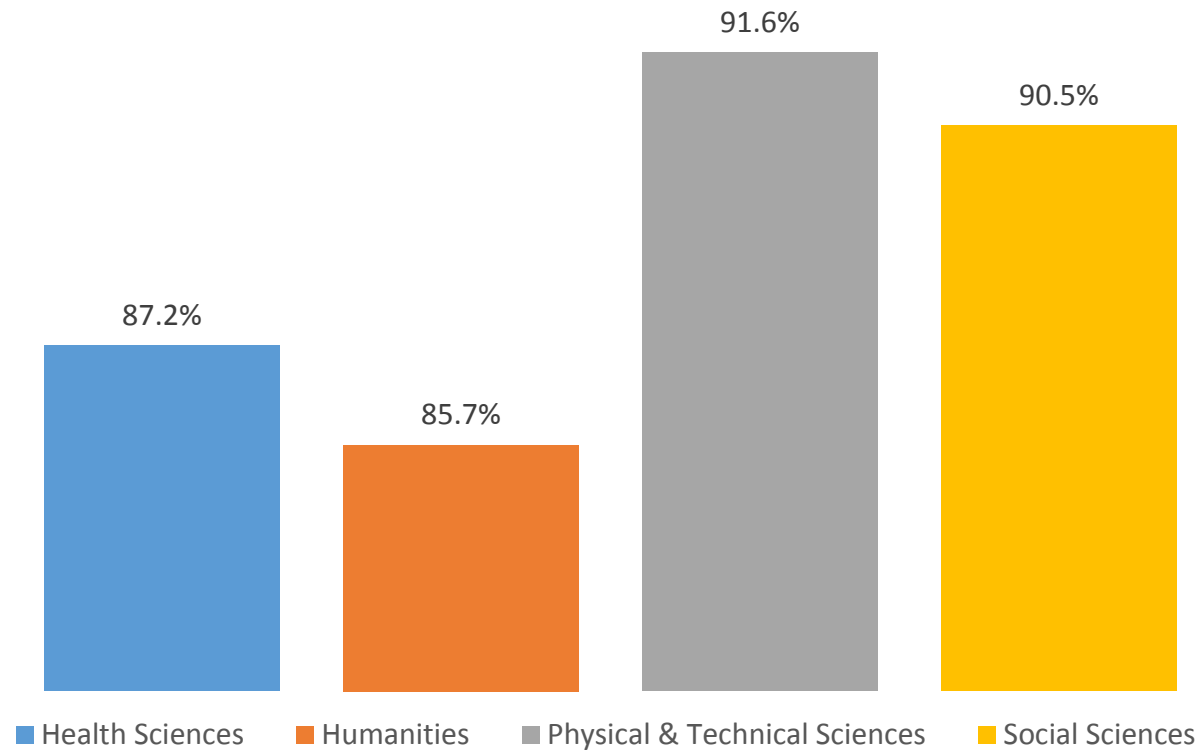


attitudes and actions

- “Open Access” in general
- Self-archiving
- Open access publishing
- University open access policies

“Open Access” in general

“Have you heard of Open Access (OA)?”

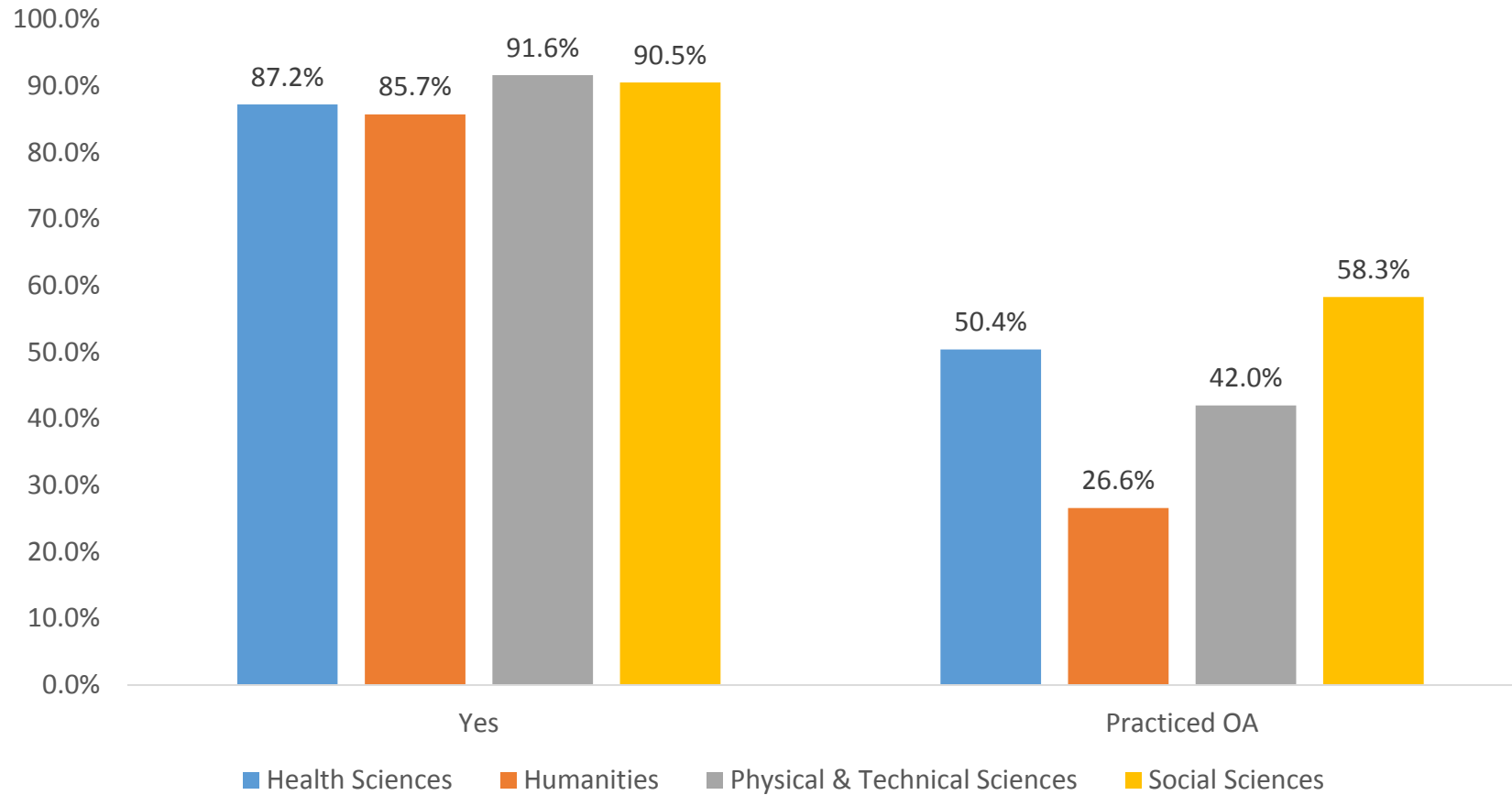


* Excluded responses from 9 librarians

“Open Access” in general

“Have you heard of Open Access (OA)?”

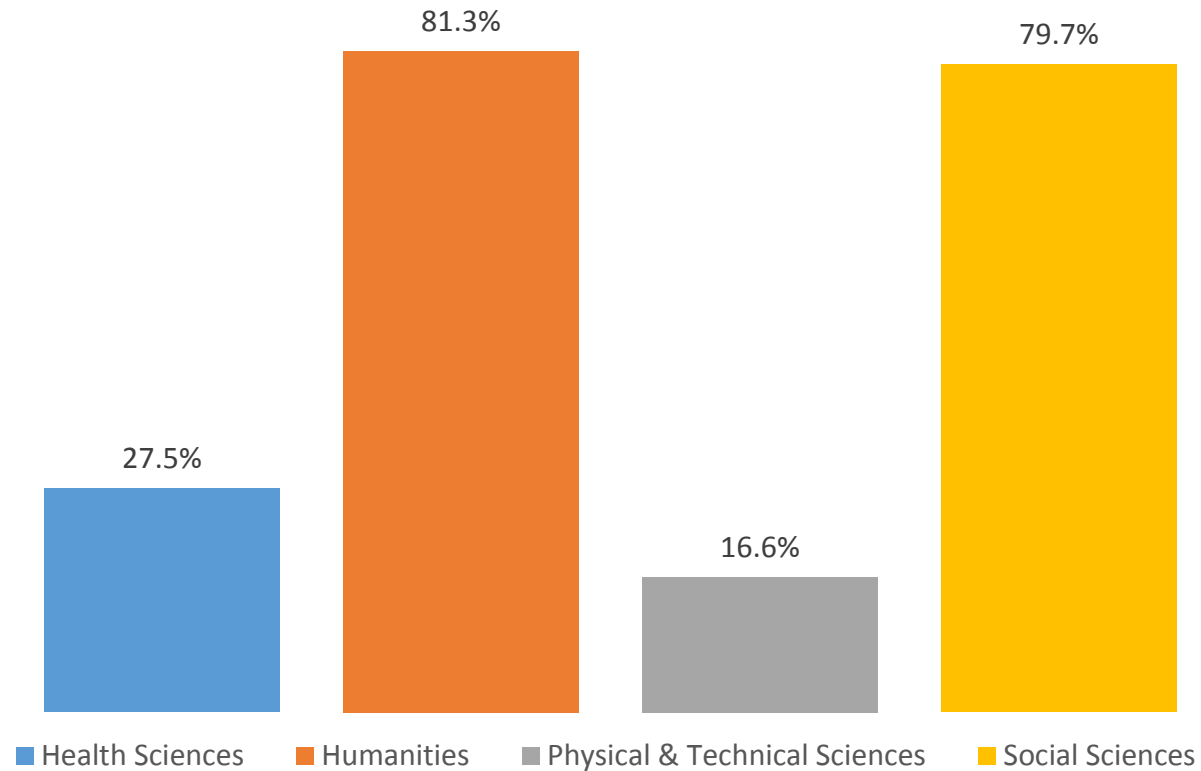
“Have you made a work OA?”



* Excluded responses from 9 librarians

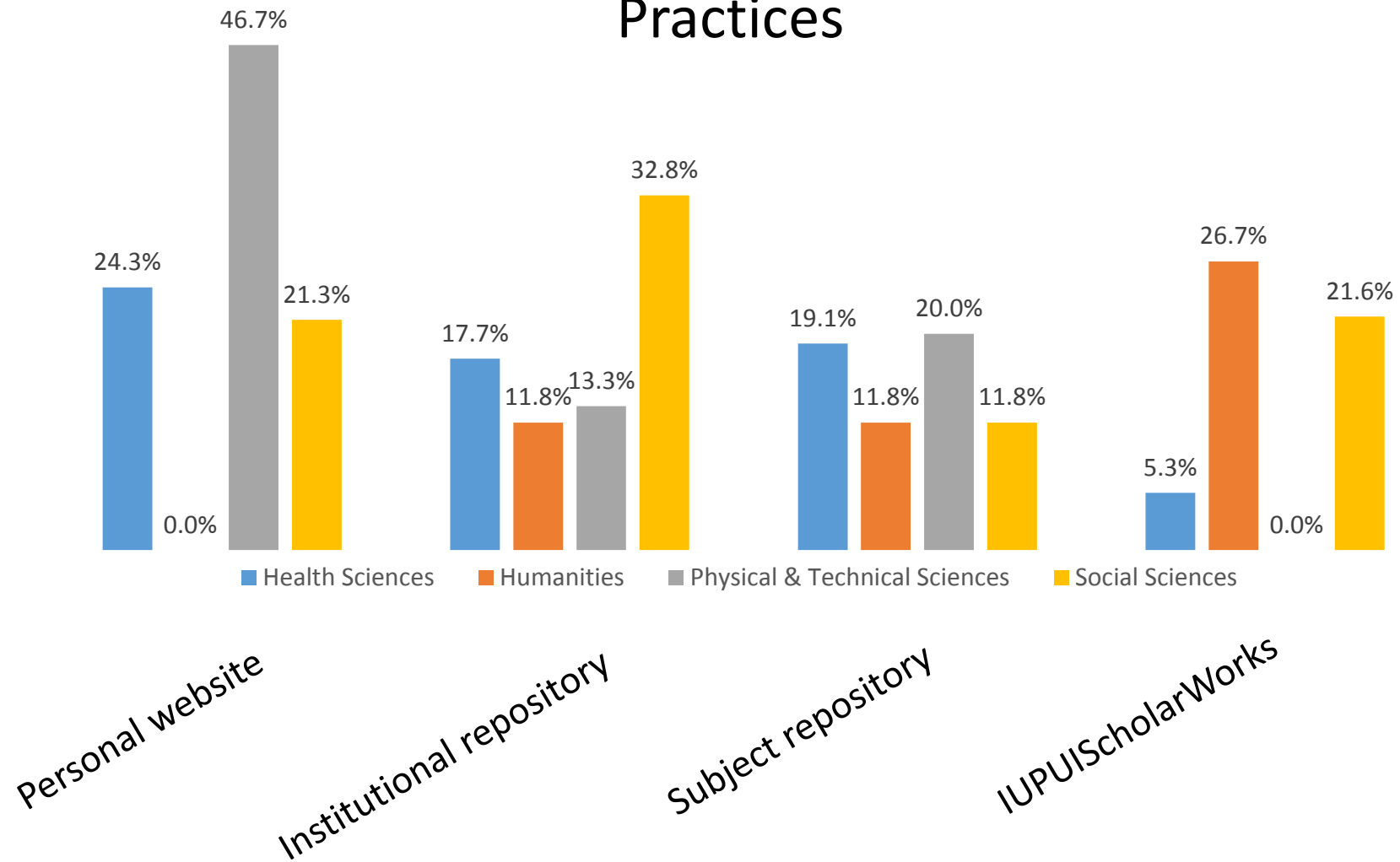
self-archiving

“Have you heard of IUPUIScholarWorks?”



* Excluded responses from 9 librarians

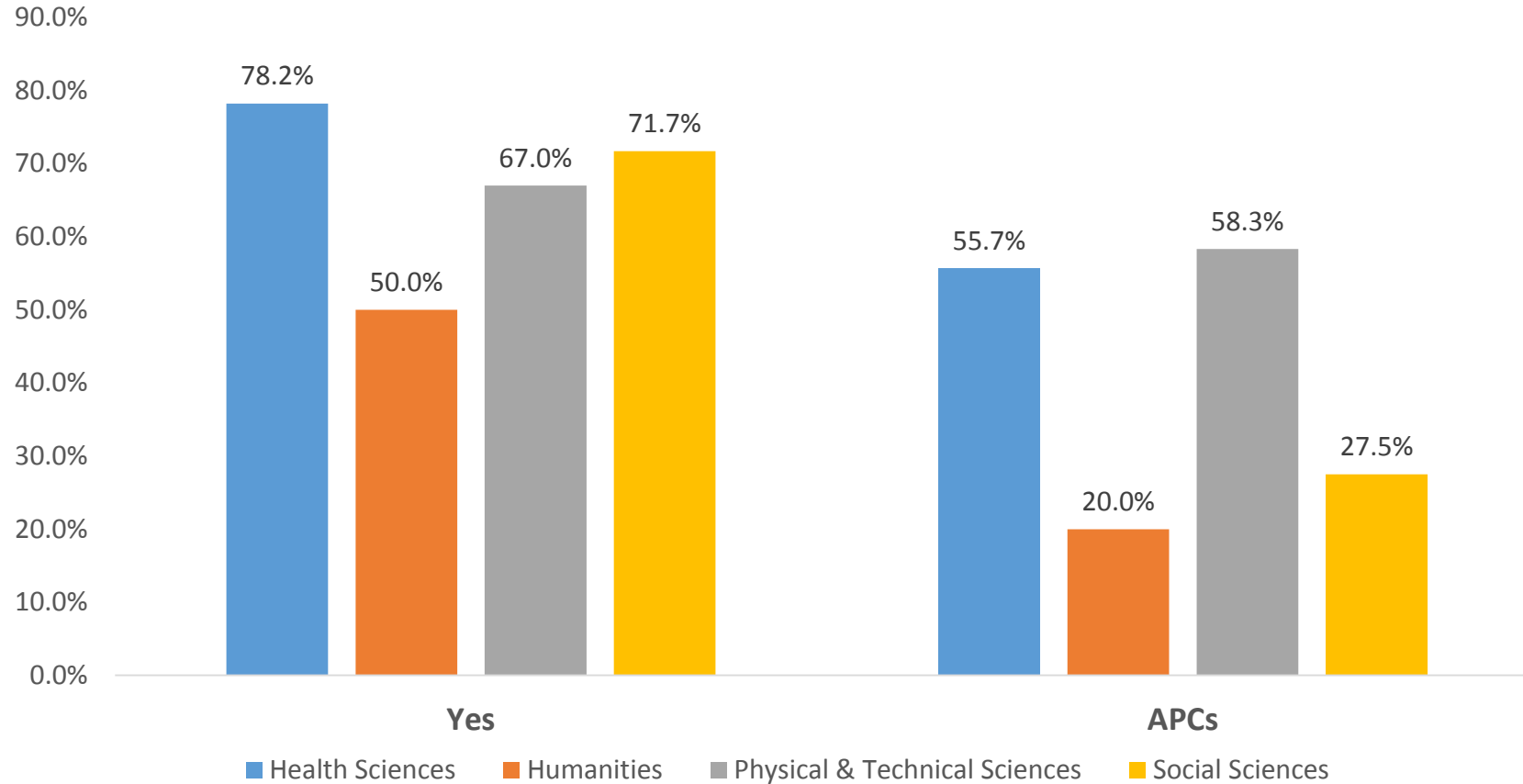
self-archiving Practices



* Excluded responses from 9 librarians

open access journals in your discipline

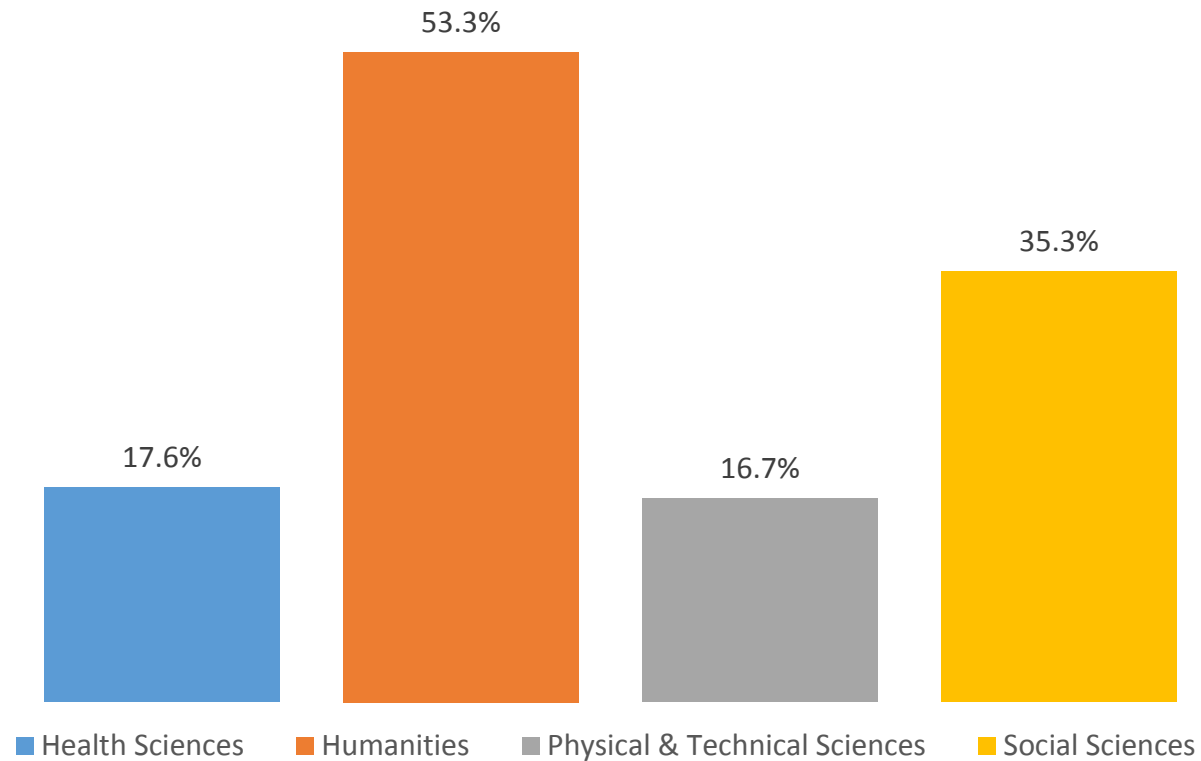
Knowledge & Practices



* Excluded responses from 9 librarians

university open access policies

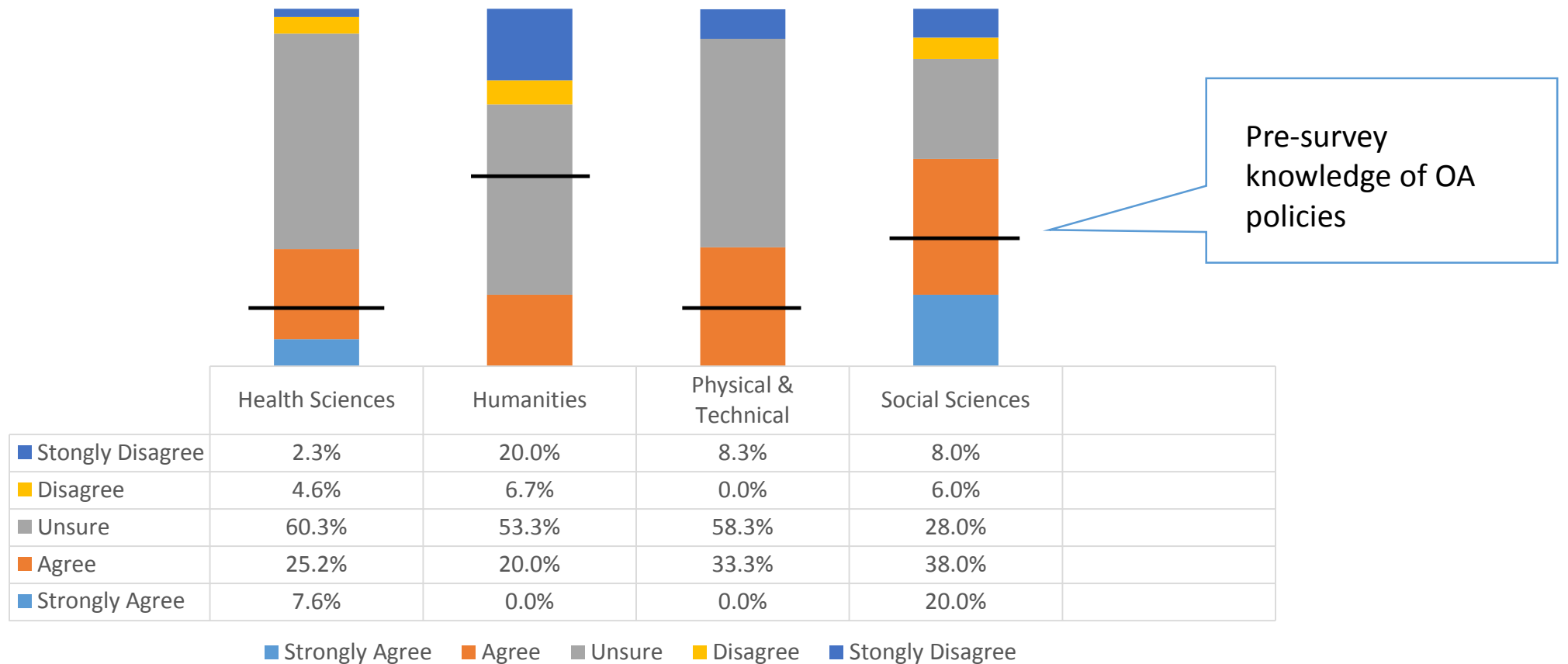
Aware of Harvard-style open access policies?



* Excluded responses from 9 librarians

university open access policies

Should IUPUI adopt an open access policy?



* Excluded responses from 9 librarians

in favor of pursuing an open access policy?

- **California (2006):**
 - 25% Aware of OA policies
 - 47% In favor of adopting
- **Toronto (2010):**
 - 30% Aware of OA policies
 - 67% In favor of adopting
- **IUPUI (2013):**
 - 28% Aware of OA policies
 - 39% In favor of adopting



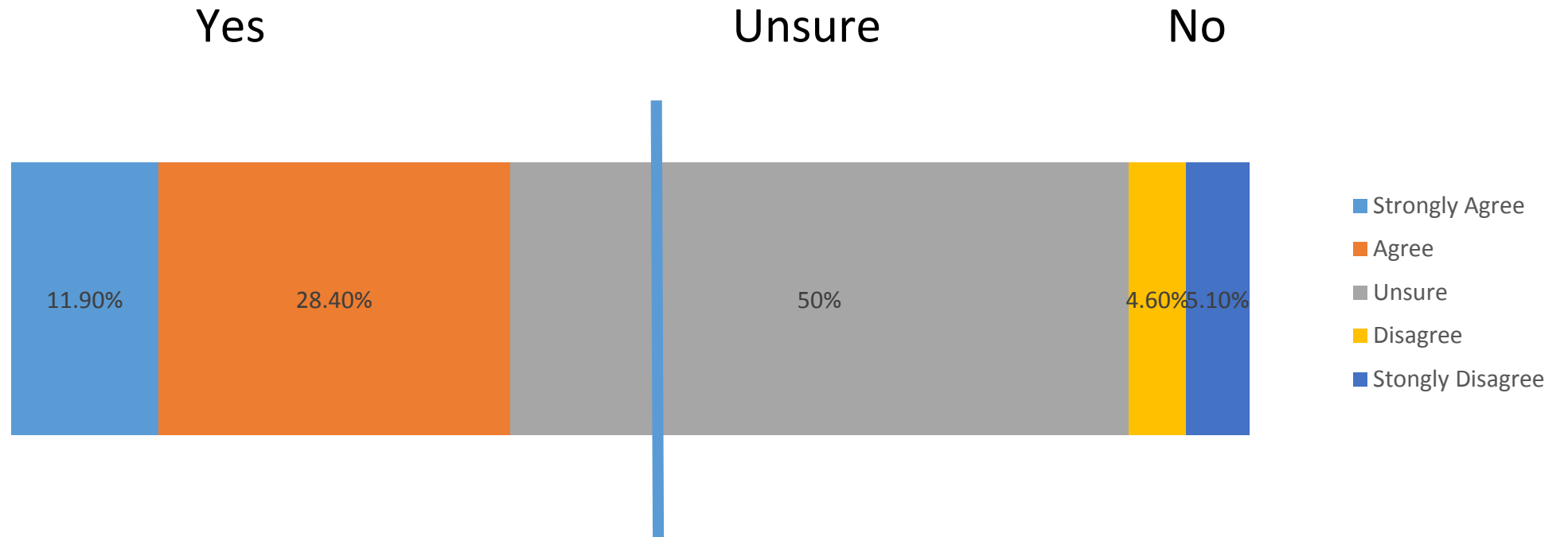
Office of Scholarly Communication, UC. (2007). Faculty attitudes and behaviors regarding scholarly communication: survey findings from the University of California. University of California. Retrieved from: <http://osc.universityofcalifornia.edu/wp-content/uploads/2013/09/OSC-survey-full-20070828.pdf>

Moore, G. (2011). Survey of University of Toronto faculty awareness, attitudes, and practices regarding scholarly communication: A preliminary report. University of Toronto. Retrieved from: <http://hdl.handle.net/1807/26446>.

Creative Commons – Attribution (CC BY 3.0) Indianapolis designed by Megan Disselkamp from <http://thenounproject.com>

* Excluded responses from 9 librarians

is IUPUI ready to adopt an open access policy?



do the health sciences foster changes in scholarly communications?

it depends

Jere Odell

jdodell@iupui.edu

Emily Dill

eadill@iupuc.edu

Kristi Palmer

klpalmer@iupui.edu



IUPUI

UNIVERSITY LIBRARY

INDIANA UNIVERSITY-PURDUE UNIVERSITY

Center for Digital Scholarship
Indianapolis