Health Sciences Publication Report, 2014

Analyzing publication output of the Tulane Health Sciences for 2014.

Maureen Knapp, AHIP, mknapp2@tulane.edu
5-28-2015
Health Sciences Publication Report, 2014

Introduction
795 articles in 428 journals were published by TU Affiliates from January 1 – December 31, 2014. This number includes both conference proceedings and journal articles from peer reviewed and non-peer-reviewed journals, as indexed in the databases PubMed, Web of Science, and EMBASE.com. Items were identified using a universal search hedge¹, limited to publications within 2014. Items were hand checked to verify Tulane Affiliation. “Tulane University Affiliates” refers to all faculty, staff and students in undergraduate and graduate programs, as well as Tulane Centers and Institutes, who have published a work that is indexed in the databases listed above.

Publications by School
The School of Medicine produced 64% (507) of the 795 publications identified, followed by the School of Public Health and Tropical Medicine with 23% (181) publications and TNPRC with 11% (89 publications). 2% of publications originated from Tulane’s Schools of Science and Engineering, Social Work or Liberal Arts.

¹ Tulane search hedge: “Tulane school of medicine” OR “Tulane university school of medicine” OR “Tulane health sciences center” OR “tulane university health sciences center” OR “tulane medical center” OR “tulane university medical center” OR “tulane primate center” OR “tulane primate research center” OR “tulane national primate research center” OR "tulane school of public health and tropical medicine" OR "tulane public health" OR “Tulane University School of Public Health and Tropical Medicine”
Of the 507 items identified within the School of Medicine, 20% (151) items lacked department level affiliation or were unaffiliated with a department. The largest producing departments were Medicine, Urology and Surgery when outliers are removed.
Public Health and Tropical Medicine in-depth

The majority of SPHTM publications also lacked affiliation beyond school level. Of articles with department level affiliations, Epidemiology had the most publications (43%).

![SPHTM Publications by Department 2014](chart)

Journals with the most publications

*J. Gen Int. Med.* is the journal with the most publications because of the inclusion of conference proceedings by students and residents. *PLoS One*, an open access journal, contains many publications from the School of Public Health. The majority of articles from *J. Virol.* and *J. Immunol.* were produced from NIH-funded research at the Tulane University National Primate Center.
Publications by Journal Impact Factor

A journal’s Impact Factor is a way to show the reach of an article. The number refers to the number of times an article is likely to be cited by another article in a certain time span. Thomson Reuters’ Journal Citation Reports© 2013 Impact Factor was used to rank journals. It is important to note that 2013 impact factors tell only a part of the story. Different specialties exhibit different ranges of peak impact. Please note that some journals with lower impact factors are in fact high impact when considered in the context of their specific field. A final limitation: as impact factors are calculated over a range of years, recently established journals will have an impact factor of zero.2

Health Sciences-wide, 6% (47) of articles were published in journals with an impact factor over 10. Almost half of publications (390) appeared in journals of an impact factor from 10-3. A third of articles appeared in publications with impact factors less than 3, while 14% of articles appeared in publications with no impact factor at all.

Publications with High Impact Factors by School and Center

When looking only at the 47 publications from high impact (IF >10) journals, the School of Medicine had the most publications, followed by the School of Public Health and Tropical Medicine and the Tulane National Primate Center.

Top 20 articles from 2014, in order of journal impact factor

Below is a list of 20 citations in order of highest impact journal. School, Department, and journal impact factor (IF) are noted. Tulane authorship appears in bold.

1. CA Cancer Journal for Clinicians, IF = 162.5, SOM - Department of Structural and Cellular Biology

2. New England journal of medicine, IF = 54.42, SPHTM - Department of Biostatistics and Bioinformatics

3. New England journal of medicine, IF = 54.42, SOM

4. New England journal of medicine, IF = 54.42, SOM
5. Nature, IF = 42.351, SSE


7. Lancet, IF = 39.207, SOM – Heart & Vascular Institute


10. Science, IF = 31.477, Liberal Arts – Department of Mathematics, *(Hyman JM)*

11. JAMA: the journal of the American Medical Association, IF = 30.387, SPHTM – Department of Epidemiology

12. JAMA: the journal of the American Medical Association, IF = 30.387, SPHTM – Department of Epidemiology

New JAMA specialty journals, IF = 0


17. Lancet – Oncology, IF = 24.725, SOM

18. Nature chemistry, IF = 23.297, SSE

19. Immunity, IF = 19.748, TNPRC (Kuroda, M)

20. Journal of Clinical Oncology, IF = 17.879, SOM, Tulane Cancer Center

**Conclusion**

Between Jan – Dec 2014, Tulane faculty, staff and students published 795 articles in 428 journals. A previous publications report on only School of Medicine Faculty, for the fiscal year Jun 2013 – July 2014, revealed 955 articles published in 407 journals3. In that SOM report, 7% (70 articles) were published in journals with an impact factor higher than 10. For 2014 only, the School of Medicine published 31 articles in top tier journals. Given the date ranges are staggered between these two reports, the new health sciences wide data suggests that publications are on track to meet or beat the 2013-2014 numbers.

**Notes**

A full list of publications and description of the data collection process can be found at http://libguides.tulane.edu/MedPubs2014

Prepared by: Maureen “Molly” Knapp, Research Support and Education Librarian, Rudolph Matas Library of the Health Sciences, Mknapp2@tulane.edu, 504-988-2410

---