

# Journals in Health Information Technology

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7 March 2017



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# Background:

## ISI

- The company behind the list is now Thomson Reuters, but still the list is called ISI
- There are different lists, we are probably interested only in:
  - For journals: SCI and SCIE (Science Citation Index [Extended])
  - For conference proceedings: ISI Proceedings
- In the SCI/E list there is a section for “Medical Informatics”



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# Background:

## Impact Factor Project

- What is the Impact Factor (IF)
  - Yearly average number of citations to the journal (based on the last two years)
  - Same formula but would be different results for different databases (e.g. Scopus vs ISI vs Google)
- In IS it is reported annually in JCR database
- How to interpret
  - It is about journal not the articles
  - It is very discipline based (eg. Low in Math)
  - $IF < 1$  weak, or very young;  $IF > 1$  good enough; in Medical Informatics  $2 < IF < 5$  is good or very good
  - $IF(\text{Lancet})=45.2$ ,  $IF(\text{Nature})=38.1$ ,  $IF(\text{BMJ})=19.1$
- Other indicators:
  - H-Index (mostly for people but can be used for organizations and journals)
  - Half-Life (young or old?)

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# Journals:

## Field Specific Journals

- Journal of Medical Internet Research (JMIR) = 4.5
- Journal of the American Medical Informatics Association (JAMIA) = 3.4
- Medical Decision Making = 3.2
- IEEE Engineering in Medicine and Biology Magazine
- Health Services Research = 2.1
- Value in Health
- Journal of Biomedical Informatics
- International Journal of Medical Informatics (IJMI) = 2.3
- IEEE Transactions on Information Technology in Biomedicine
- International Journal of Technology Assessment in Health Care
- Artificial Intelligence in Medicine = 2.1

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Journals:

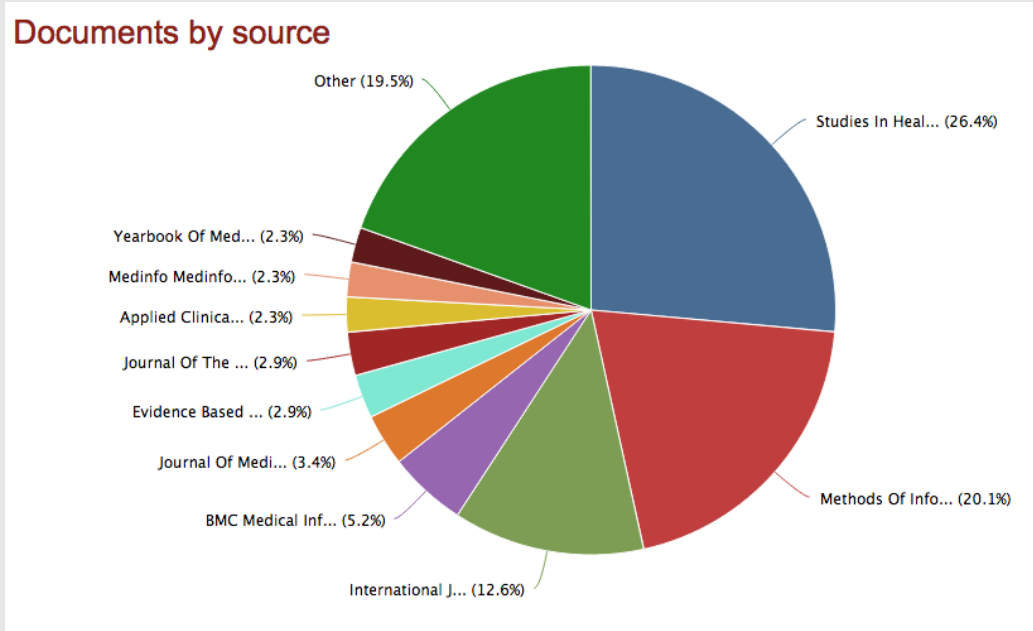
## Mega Journals

- PLOS One = 4.5
- PeerJ = 2.1
- They are usually concerned about the method rather than importance

People:

Where do they submit their papers?

- Example: Elska Ammenwerth (active in Health Information Systems Evaluation), extracted from Scopus



Thanks!

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