

# TEXAS WOMAN'S UNIVERSITY

DENTON • DALLAS • HOUSTON

[www.twu.edu](http://www.twu.edu)

## Getting Research Published in an International Journal



Dr. Faye Blair  
Dr. Anne Koci  
Dr. Sandra Cesario

## Objectives:

By the end of the seminar, participants will be able to:

- Examine the purpose and importance of publishing nursing research
- Analyze the facilitators and barriers to publishing
- Discuss the attributes of a publishable topic for a nursing journal
- Describe the process for selecting and submitting to the appropriate journal
- Define the term “impact factor” and examine its relevance for publishing nursing research

## Why Publish?

Dr Faye Blair

- History and background of scientific publication in nursing
- Establishing our identity as an autonomous profession

## Florence Nightingale

- Generally regarded as the first nurse researcher





## M. Adelaide Nutting

- Earliest research report:

*The Educational Status of Nursing*  
(1912)



## Isabel M. Stewart

— *Nursing Educational  
Bulletin (1929)*

First research journal in nursing

“If nursing is ever to justify its name as an applied science...some way must be found to submit our practices to the most searching tests which modern science can devise...”

## Martha Rodgers

- “The science of nursing aims to provide a body of abstract knowledge growing out of scientific research and logical analysis and capable of being translated into nursing practice.” (1970)



## Reasons to Publish

- Disseminate information
- Share initiatives and innovations with others
- Provide new information
- Communicate findings or research studies
- Develop scientific base for profession

Source: Oermann & Hays, 2010

## Importance of Publishing Nursing Research

- Role of Research in Nursing
- Challenges in Healthcare
- Education of Patients
- Impact Desired Outcomes



## Evidence-Based Practice

- Research findings translated to clinical practice



## Barriers to Publishing

- Rejection
- Differing opinions
- Novice writer
- Writing skills
- Too busy
- Language barriers
- Weak research methodology
- Long revision process
- No support
- Limited space in journals

## Facilitators to Publishing

- Sharing knowledge, expertise
- Contributions to the profession
- Pride in work
- Mentors
- Peer review





## Submission Process

Dr Anne Koci

- Looking at impact factors
- Locating author guidelines and following directions carefully!
- Legal and ethical implications for publication

## Considerations When Planning to Submit a Manuscript for Publication

- Research requires funding
- Funding frequently dependent on investigator's publication history
- Choose a journal that matches your subject area
- Publish in a journal with a strong reputation
- GOAL: To have your manuscript read by a maximum amount of people



## Thomson Reuters Citation Indexes

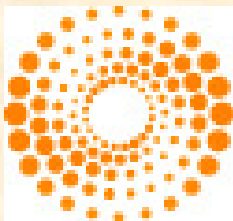
- Journal "impact factor" developed in 1960's.
- Evaluates output of journals and citation frequency-Quickly shows the most frequently cited, highest impact and largest journals in a field
- [Science Citation Index](#)<sup>®</sup> (SCI<sup>®</sup>) includes the [Journal Citation Reports](#)<sup>®</sup> (JCR<sup>®</sup>) and the [Social Sciences Citation Index](#)<sup>®</sup> (SSCI<sup>®</sup>)

## Journal Impact Factor

- One measure used in determining a journal's overall quality.
- A measure of the frequency with which the "average article" in a journal has been cited in a particular year.

## A Journal's Impact Factor is an Indicator of the Journal's Reputation

- The *average number of times articles in a journal published in the past two years* have been cited in the Journal Citation Reports year.



THOMSON REUTERS



## Impact Factor

- The *immediacy index* is the number of citations the articles in a journal receive in a given year per divided by the number of articles published in the journal that year
- The *cited half-life* is the median age of the articles that were cited in Journal Citation Reports each year

## Calculating an Impact Rating

- Calculated by dividing the number of citations in the JCR year by the total number of articles published in the two previous years
  - An impact factor of 1.0 means that, *on average, the articles published one or two years ago have been cited one time*. An impact factor of 2.5 means that, on average, the articles published one or two years ago have been cited two and a half times.

## Calculating an Impact Rating

- To calculate the impact factor for journal  $x$  in 2007, ISI examines the 7,500 journals in its index to find the number of citations to  $x$ 's articles that were published in the previous two years (2005 & 2006)
- That number becomes the numerator. The denominator is the number of original research articles and reviews published by  $x$  in the previous two years (2005 & 2006)



## Calculating an Impact Rating

- # citations to *x's articles that were published in previous 2 years*
- # original research articles & reviews published by *x in previous 2 years*



# TEXAS WOMAN'S UNIVERSITY

DENTON • DALLAS • HOUSTON

[www.twu.edu](http://www.twu.edu)

Abbreviated Journal Title	ISSN	2006 Total Cites	Impact Factor	Immediacy Index	2006 Articles	Cited Half-life
SCIENCE	0036-8075	361389	30.028	5.555	885	7.7
CELL	0092-8674	132528	29.194	6.403	352	8.7
NATURE	0028-0836	390690	26.681	6.789	962	7.8
NAT CELL BIOL	1465-7392	19266	18.485	4.448	154	4.5
GENE DEV	0890-9369	48407	15.050	2.926	297	6.6
PLOS BIOL	1544-9173	6100	14.101	2.667	192	2.1
MOL CELL	1097-2765	29790	14.033	3.048	315	4.2
DEV CELL	1534-5807	9208	13.523	3.175	137	3.2
CURR BIOL	0960-9822	28406	10.988	2.465	340	4.7
J CELL BIOL	0021-9525	66403	10.152	1.906	371	8.2
EMBO J	0261-4189	74535	10.086	1.644	547	7.4
P NATL ACAD SCI USA	0027-8424	371057	9.643	1.758	3306	7.1
EMBO REP	1469-221X	6204	8.175	1.752	153	3.5
DEVELOPMENT	0950-1991	44646	7.764	1.579	447	6.8
MOL CELL BIOL	0270-7306	69227	6.773	1.332	804	6.5
FASEB J	0892-6638	30621	6.721	1.241	449	5.8
TRAFFIC	1398-9219	3410	6.612	1.194	129	3.6
MOL BIOL CELL	1059-1524	22858	6.562	1.472	462	4.6
J CELL SCI	0021-9533	30178	6.427	1.041	485	5.2
NUCLEIC ACIDS RES	0305-1048	74972	6.317	1.744	943	6.5
J BIOL CHEM	0021-9258	410903	5.808	1.110	4336	6.6
RNA	1355-8382	6406	5.111	1.502	217	4.2

# TEXAS WOMAN'S UNIVERSITY

DENTON • DALLAS • HOUSTON

[www.twu.edu](http://www.twu.edu)

Rank	2008 Impact Factor	Impact 2004-08	Impact 1981-2008
1	Birth – Issues in Perinatal Care (2.84)	Quality of Life Research (4.97)	Quality of Life Research (16.70)
2	International Journal of Nursing Studies (2.31)	Birth (4.11)	Nursing Research (15.02)
3	Oncology Nursing Forum (2.21)	Nursing Research (3.32)	Research in Nursing & Health (14.51)
4	Cancer Nursing (1.71)	Journal of Advanced Nursing (3.20)	Advances in Nursing Science (13.69)
5	Journal of Advanced Nursing (1.65)	Cancer Nursing (3.03)	Cancer Practice (11.76)
6	Nursing Research (1.54)	American Journal of Critical Care (3.01)	Birth (11.06)
7	Pain Management Nursing (1.54)	Oncology Nursing Forum (2.86)	Cancer Nursing (10.76)
8	Journal of Cardiovascular Nursing (1.47)	International Journal of Nursing Studies (2.67)	Journal of Advanced Nursing (9.75)
9	Research in Nursing & Health (1.46)	Journal of Human Lactation (2.60)	Heart & Lung (7.41)
10	Journal of Clinical Nursing (1.38)	Journal of Nursing Scholarship (2.59)	International Journal of Nursing Studies (6.17)

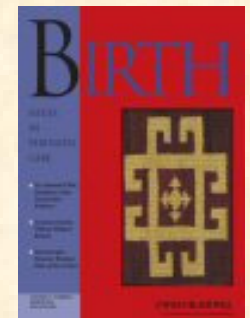
## Highest Rated Journals

- The three highest rated journals in JCR Science Edition:
  - *CA - A CANCER JOURNAL FOR CLINICIANS* (69.026)
  - *NEW ENGLAND JOURNAL OF MEDICINE* (52.589)
  - *ANNUAL REVIEW OF IMMUNOLOGY* (47.981)



## Nursing Journals

- 46 “nursing” journals in the JCR Science Edition
- Database currently lists 21 nursing journals with an impact factor rating of 1 or greater.
- The five highest rated nursing journals are:
  - *BIRTH – ISSUES IN PERINATAL CARE* (2.217)
  - *INTERNATIONAL JOURNAL OF NURSING STUDIES* (2.115)
  - *NURSING RESEARCH* (1.748)
  - *JOURNAL OF ADVANCED NURSING* (1.442)
  - *ONCOLOGY NURSING FORUM* (1.438).



# TEXAS WOMAN'S UNIVERSITY

DENTON • DALLAS • HOUSTON

[www.twu.edu](http://www.twu.edu)

Abbreviated Journal Title	ISSN	Total Cites	Impact Factor	Immediacy Index 2007	Articles Cited Halflife
ADV NURS SCI	0161-9268	809	1.333	0.138	>10.0
AM J CRIT CARE	1062-3264	846	1.078		7.0
AM J NURS	0002-936X	658	1.101	0.100	6.4
APPL NURS RES	0897-1897	491	0.774	0.074	7.9
ARCH PSYCHIAT NURS	0883-9417	456	0.734	0.158	8.9

## Collaborative Project

- Nursing and Allied Health Resource Section of the Medical Library Association
- Website:  
<http://sites.google.com/site/nahrsnursingresources/Home>
- Use the left-hand navigation to browse the content. The content includes resources for nurses and other health professionals including databases, electronic books, electronic journals, and Web sites related to nursing and allied health disciplines.
- Those not marked with \$\$ are free. Others may be free to you via your health science or academic library

# TEXAS WOMAN'S UNIVERSITY

DENTON • DALLAS • HOUSTON

[www.twu.edu](http://www.twu.edu)

JOURNAL	IM	WEBSITE
Birth – Issues in Perinatal Care	2.84	<a href="http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1523-536X/homepage/ForAuthors.html">http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1523-536X/homepage/ForAuthors.html</a>
International Journal of Nursing Studies	2.31	<a href="http://www.elsevier.com/wps/find/journaldescription.cws_home/266/authorinstructions">http://www.elsevier.com/wps/find/journaldescription.cws_home/266/authorinstructions</a>
Oncology Nursing Forum	2.21	<a href="http://www.ons.org/Publications/ONF/AuthorInfo">http://www.ons.org/Publications/ONF/AuthorInfo</a>
Cancer Nursing	1.71	<a href="http://cancernursingpractice.rcnpublishing.co.uk/global/author-guidelines">http://cancernursingpractice.rcnpublishing.co.uk/global/author-guidelines</a>
Journal of Advanced Nursing	1.65	<a href="http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1365-2648">http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1365-2648</a>
Nursing Research	1.54	<a href="http://journals.lww.com/nursingresearchonline/_layouts/1033/oaks.journals/informationforauthors.aspx">http://journals.lww.com/nursingresearchonline/_layouts/1033/oaks.journals/informationforauthors.aspx</a>
Pain Management Nursing	1.54	<a href="http://www.elsevier.com/wps/find/journaldescription.cws_home/623107/authorinstructions">http://www.elsevier.com/wps/find/journaldescription.cws_home/623107/authorinstructions</a>
Journal of Cardiovascular Nursing	1.47	<a href="http://journals.lww.com/jcnjournal/_layouts/1033/oaks.journals/informationforauthors.aspx">http://journals.lww.com/jcnjournal/_layouts/1033/oaks.journals/informationforauthors.aspx</a>
Research in Nursing & Health	1.46	<a href="http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1098-240X/homepage/ForAuthors.html">http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1098-240X/homepage/ForAuthors.html</a>
Journal of Clinical Nursing	1.38	<a href="http://www.wiley.com/bw/submit.asp?ref=0962-1067&amp;site=1">http://www.wiley.com/bw/submit.asp?ref=0962-1067&amp;site=1</a>

## Author Guidelines

- Locating author guidelines and following directions carefully!



## Example

- <http://www.aacr.org/home/scientists/submit-a-manuscript.aspx>
- ***Cancer Research*** publishes significant, original studies and reviews in all areas of basic, clinical, translational, epidemiological, and prevention cancer research and research in cancer-related biomedical sciences. Topics include cell and tumor biology; tumor microenvironment; systems biology and emerging technologies; clinical research; endocrinology; epidemiology; experimental therapeutics, molecular targets, and chemical biology; immunology; molecular biology, pathobiology, and genetics; and prevention.
  - **2010 Impact Factor:** 8.234
  - **Twice Monthly**
  - **Articles Published/Year:** 1200
  - **Accept Rate:** 20%
  - [Deputy/Senior Editors](#)
  - [Associate Editors](#)
  - **Editor-in-Chief:** George C. Prendergast

## Legal and Ethical Implications for Publication

- Authorship
- Informed Consent
- Duplicate Publication
- Conflict of Interest
- Misconduct
  - Plagiarism
  - Copyright



## Authorship

- Discuss at beginning of project
- Know the journal's authorship criteria
- Each take responsibility of contribution
- Include only those who contribute
- Include all authors, negotiate order

## Duplicate Publication

- Read “Information for Authors” from journal.
- Discuss need to avoid redundancy & copyright infringement if more than one publication



## Conflict of Interest

- Disclose financial relationships
- Acknowledge funding institutions
- Give credit to all



## Misconduct

- Plagiarism
- Copyright



## Informed Consent

- Human subjects research subject to regulatory governance.
- Researchers must obtain informed consent from all participants.



## Informed Consent

- Based on the principles of respect for persons (autonomy and choice), beneficence (do no harm), and justice (equitable distribution of risks and benefits)
- Informed consent documents must include a great deal of required material:
  - Person is being invited to participate in a research study
  - Participation is voluntary
  - That the university research office may be contacted.
- Researcher in the informed consent document often also must state what will happen to the data files.

## Copyright

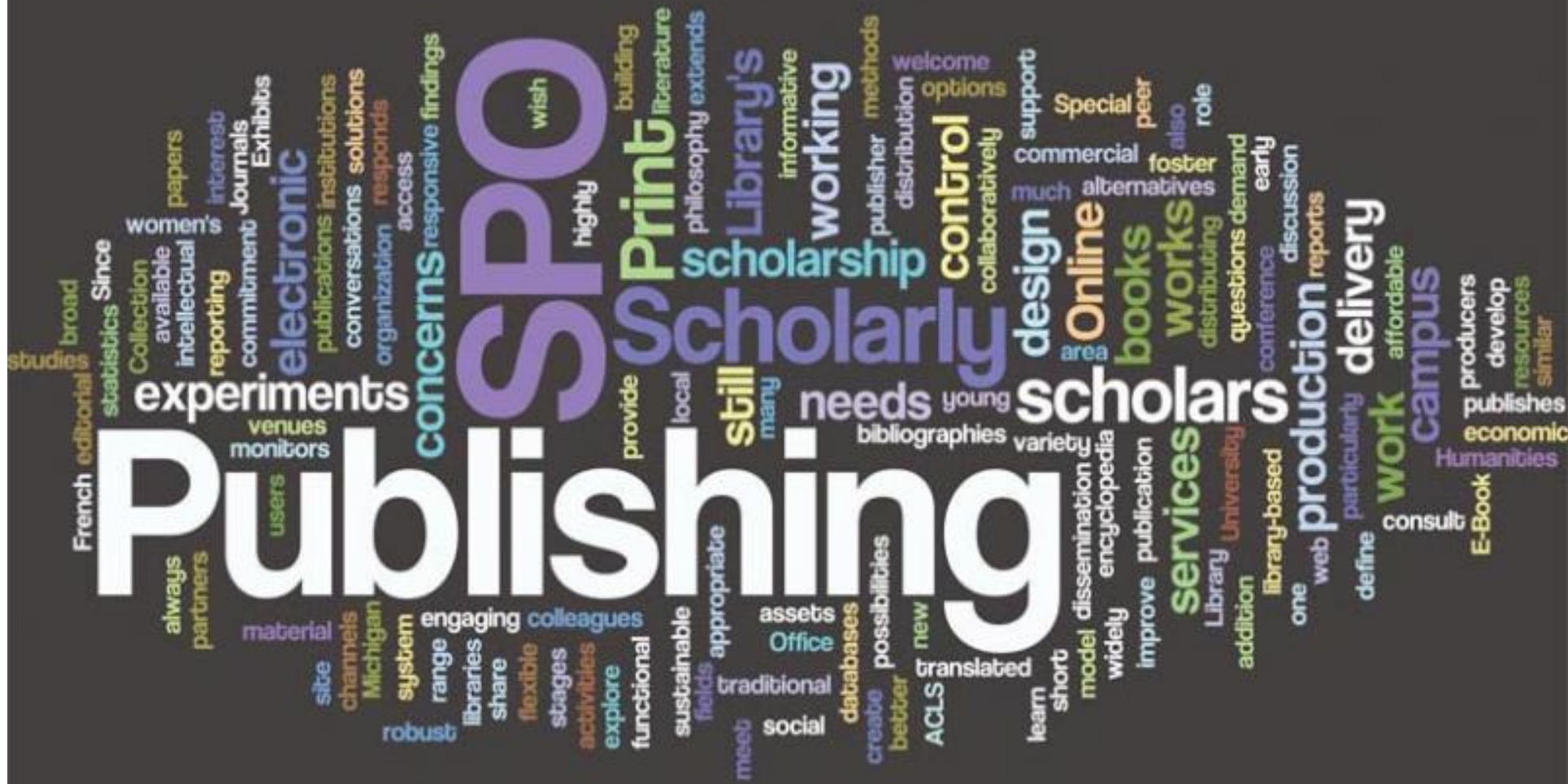
- Legal issues of copyright and Fair Use Doctrine (section 107 of U.S. copyright law).
- Reprint permission



## Fair Use Doctrine Guidelines Regarding Copyright Infringement

- (1) the purpose and character of the use, including whether such use is of a commercial nature or is for nonprofit educational purposes;
- (2) the nature of the copyrighted work;
- (3) the amount and substantiality of the portion used in relation to the copyrighted work as a whole; and
- (4) the effect of the use upon the potential market for or value of the copyrighted work.

*(United States Code, Title 17, Copyright Law, section 107 "Limitations on Exclusive Rights: Fair Use," 2003, np).*



## Revisions & Publication

Dr Sandy Cesario

- Expect to revise your submission
- Slanting the publication to meet the needs of the audience
- Attributes of a publishable topic for a nursing journal
- The timeline from submission to publication
- Sharing your work and expertise after it is published

## Expect to revise your submission

- Manuscript may require revision, rewriting, or even re-submission
- Remain objective
- You DO NOT have to make all of the changes recommended by the reviewers
- You DO need to provide a rationale as to why you did not incorporate their suggestions

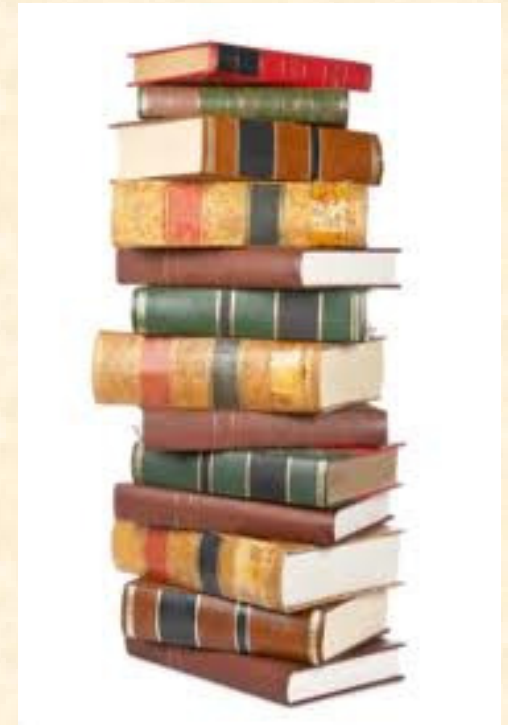
## Publication Slant

- Slanting the publication to meet the needs of the audience is crucial
- Cultural and linguistic issues
- Is the topic of local, regional, or global interest?
- Descriptive title
- Select the best key words



## Attributes of a Publishable Paper

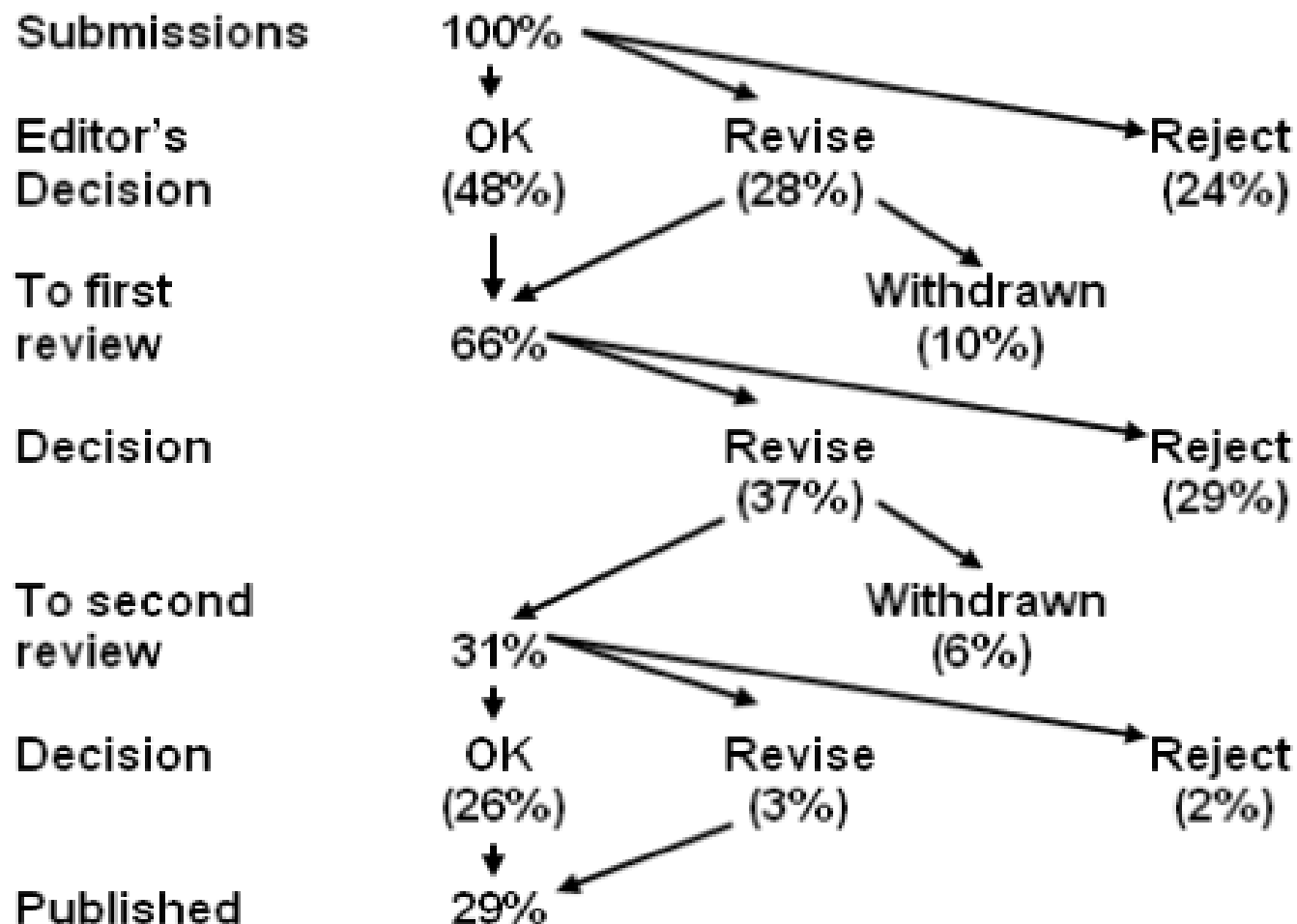
- Original work, innovative or new
- Scientifically sound
- Builds on the body of existing literature
- Clear and stylistically appropriate
- Relevant
- Not previously published



## Timeline - Submission to Publication

- Expect a long wait!
- Review process may be lengthy
- Appreciate the time and effort the editors and reviewers and many others have invested in your work!





$n = 86$

## Sharing your Work & Expertise

- Know the legal implications of duplicating and distributing your articles
- Do not self-plagiarize
- Volunteer to serve as a reviewer
- Explore the opportunity to serve on the editorial advisory board of your favorite professional journal
- Acknowledge that you are an “expert” and build professional networks

## Summary

- Select the appropriate journal for the topic and write in a style for the audience
- Follow the publisher's guidelines carefully
- Be clear and succinct
- Remain cognizant of ethical and legal issues
- Learn from reviewers' comments
- Develop your role as an autonomous professional
- Be patient and don't give up!

