

APIC 2014

41st Annual Educational Conference



APIC 2014

June 7-9 Anaheim, CA

Let's Publish!!

Advancing Your Abstract to a Manuscript

APIC Research Committee

Nothing to Disclose

Objectives

- When we're finished here, you'll...
 - Be able to describe the requirements for a manuscript to be published in a peer-reviewed journal
 - Have constructed an outline that can be followed to submit your current abstract for publication
 - Have identified potential mentors and other resources to consult with throughout the manuscript writing process

Pep Talk

- Deep breath...The hardest part is already finished!
- Remember college – this is fun!
- Find the right support

American Journal of Infection Control (AJIC)

Tim Landers, CNP, PhD

AJIC Editorial Board 2014

Vice Chair, APIC Research Committee



AJIC

- Official scientific publication of APIC
- Professional, peer-reviewed
- 5 article types
 - Major Articles
 - Brief Reports
 - Commentary
 - Correspondence
 - Practice Forum

AJIC

- Major Articles
 - Results of original research
 - 12 double-spaced, typed pages
 - 4 illustrations
 - 3 tables
 - 15 references
 - Structured abstract of 150-200 words
 - Background, Methods, Results, Conclusions

AJIC

- Brief Reports
 - 1000 words or less
 - 2 illustrations or tables
 - Maximum 10 references
 - Summary abstract (non-structured) of 50-75 words

AJIC

- Commentary
 - Opinions, philosophy, or comments related to IP practice
 - Sent to Editor for review
 - Brief
 - Referenced as appropriate

AJIC

- Correspondence (Letters to the Editor)
 - Letters pertaining to articles published in AJIC
 - Sent to Editor
 - Subject to review and/or responses by authors of referenced article

AJIC

- Practice Forum
 - Reports of IP practices and related applications of epidemiology
 - 2-5 double-spaced, typed pages
 - Referenced as appropriate
 - Summary abstract (non-structured) of 50-75 words

Preparation of Manuscripts

- 9th edition of AMA's Manual of Style
- Standard abbreviations used consistently
- Abbreviations spelled out first time
- Generic drug names (proprietary names may be inserted in parentheses)
- Equipment identified by proprietary name must have the manufacturer name and city/state
- Weights and measures in metric units; Temperatures in degrees centigrade

Preparation of Manuscripts

- Title page
 - Title; names/degrees of authors; department/institution; corresponding author name, address, phone number, email
- Manuscript pages
 - Title page without author identifiers; abstract; double-spaced, 1-inch margins, basic font, references
- References
 - Number in order of their mention in text

Preparation of Manuscripts

- Institutional Review Board (IRB)
 - State in Methods section the procedure used to ensure ethical conduct of research
- Copyrighted Material
 - Must be accompanied by written permission for their use from the owner
- Conflicts of Interest and Financial Disclosure
 - Not released to reviewers
- Prior Publication
 - Including under consideration by another journal

Questions?



Authorship and Ethics of Submission

Ida Androwich, PhD, RN, FAAN
Member, APIC Research Committee



Authorship

- Gift authorship
- Redundant publication

Ethics

- Plagiarism
- Fabrication
- Falsification
- Conflict of interest

Questions?



Developing an Outline

Kate Gase, MPH, CIC

Chair, APIC Research Committee



Developing an Outline

- Why bother?
 - Time saver
 - Get to the point and stay on track
 - Organize thoughts and flow
- Work from your abstract
 - Background
 - Methods
 - Results
 - Discussion



Developing an Outline

- Working title
 - Work in progress and is subject to change
- Background
 - Why is this important?
 - What does the current research say?
 - What hasn't been answered?
 - Objective of your research

Enough Lecturing

Take 10 minutes to complete **page 1**
of outline handout

Discuss with table and mentors

Developing an Outline

- Methods
 - Recreate what you did
 - Reader should be able to replicate
 - Be sure to list any concurrent projects
 - These will be discussed as potential confounders

Enough Lecturing

Take 10 minutes to complete **page 2**
of outline handout

Discuss with table and mentors

Developing an Outline

- Results
 - Report significant and non-significant findings
 - Report positive and negative findings
 - Be clear and concise – use tables, charts, graphs, figures when possible for clarity

Developing an Outline

- Discussion
 - Highlight key findings
 - Interpret results
 - Tie back to the literature when possible
 - Implication of findings
 - Limitations (very important)
 - Identify and explain why they couldn't be avoided
 - Transparency = Trust

Enough Lecturing

Take 10 minutes to complete **page 3**
of outline handout

Discuss with table and mentors

Common Themes?

Wisdom from around the room

What's Next?

Other things you'll
need to know to be successful



Choosing a Mentor

- Mentoring is a process of accompaniment. It is a way of helping another person to become familiar with and to succeed in a particular environment.
- It involves a willingness to share experiences – both successes and failures – on a basis of trust and mutual respect.

1st Author Responsibilities

- Include all relevant contributors
- Coordinate writing
 - Break up by section?
 - One author then out for edits?
- Set reasonable deadlines
- Project manager

Performing a Literature Search

Comprehensive without
slowing the project down

Systematic Literature Search

- Search methods should include:
 - Languages other than English
 - Gray literature
 - Conference proceedings
 - Dissertations & theses
 - Clinical trials registries
 - Hand-searching of journals
 - Reference lists of relevant studies



Eliminating Bias in Study selection

- Do Not:
 - set arbitrary limits (date, language)
 - only pick studies that agree with your opinion
 - limit to studies published in top tier journals
 - limit search to publications that are easy to access or full text available online
- Do:
 - Match study design to question
 - must be appropriate study design to match study question.
 - RCTs are great, but not the only study design



CINAHL®

Available via EBSCOhost®



embase®
BIOMEDICAL ANSWERS



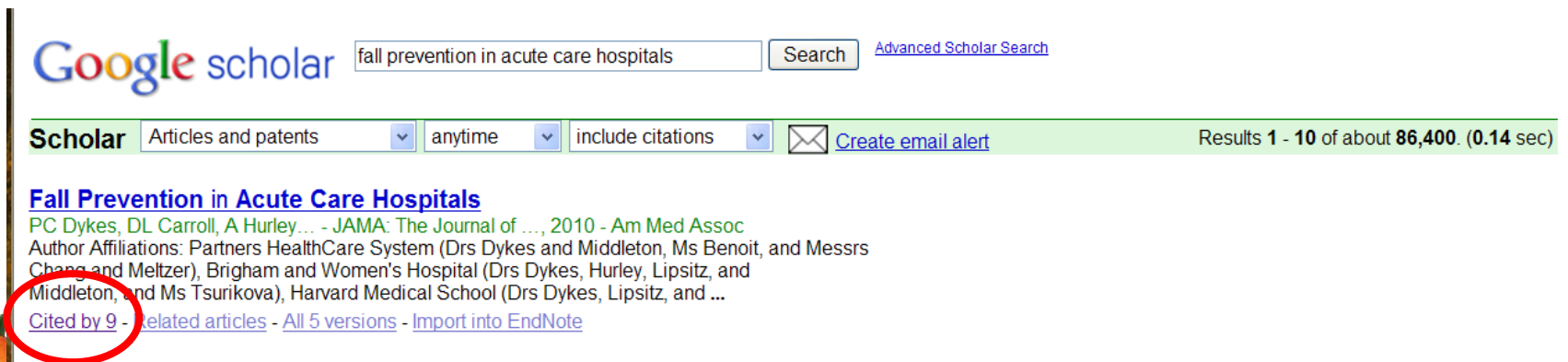
**THE COCHRANE
COLLABORATION®**





Google and Google Scholar

- Useful for:
 - “free association” searches to identify more specific terminology for future searches
 - exploring an unfamiliar topic
 - searching for gray literature
 - finding references that cite a highly relevant study



The screenshot shows the Google Scholar interface. The search bar contains the text "fall prevention in acute care hospitals" and a "Search" button. To the right of the search bar is a link for "Advanced Scholar Search". Below the search bar, there are filters for "Articles and patents", "anytime", and "include citations", along with a "Create email alert" button. The search results show "Results 1 - 10 of about 86,400 (0.14 sec)". The first result is titled "Fall Prevention in Acute Care Hospitals" and is from JAMA: The Journal of the American Medical Association, 2010. The author affiliations are listed as Partners HealthCare System (Drs Dykes and Middleton, Ms Benoit, and Messrs Chang and Meltzer), Brigham and Women's Hospital (Drs Dykes, Hurley, Lipsitz, and Middleton, and Ms Tsurikova), and Harvard Medical School (Drs Dykes, Lipsitz, and ...). The result is cited by 9 other articles. A red circle highlights the "Cited by 9" link.

Google scholar [Advanced Scholar Search](#)

Scholar Results 1 - 10 of about 86,400 (0.14 sec)

Fall Prevention in Acute Care Hospitals
PC Dykes, DL Carroll, A Hurley... - JAMA: The Journal of ..., 2010 - Am Med Assoc
Author Affiliations: Partners HealthCare System (Drs Dykes and Middleton, Ms Benoit, and Messrs Chang and Meltzer), Brigham and Women's Hospital (Drs Dykes, Hurley, Lipsitz, and Middleton, and Ms Tsurikova), Harvard Medical School (Drs Dykes, Lipsitz, and ...)
[Cited by 9](#) - [Related articles](#) - [All 5 versions](#) - [Import into EndNote](#)



PubMed / MEDLINE

- Bibliographic database covering a wide range of biomedical literature
- 10,000-20,000 completed references are added each week
- Indexes 3500+ medical journals, 1200 are full text



MeSH Terms

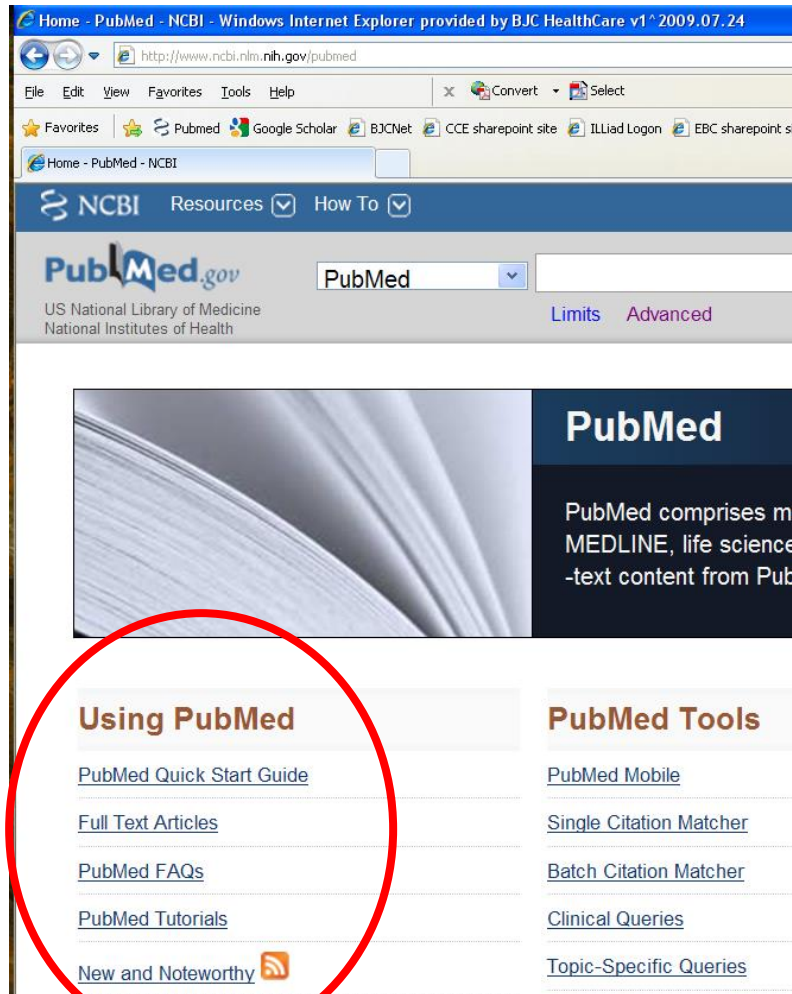
- MeSH = **Medical Subject Headings**
- Used for indexing journal articles for MEDLINE
- Similar to key words
- Standardized vocabulary
 - Imposes uniformity and consistency to indexing biomedical literature
 - Hierarchical structure



Further Exploring PubMed

Useful Quick Tours

- Simple Subject Search
- Searching with MeSH
- Combining MeSH Terms
- Saving Searches and Creating E-mail Alerts



Cochrane Collaboration

- Database of existing systematic reviews
- Covers broad range of disciplines
- Limited to therapy and prevention



CINAHL

- Cumulative Index to Nursing and Allied Health Literature
- Bibliographic database that primarily focuses on the nursing and allied health literature
- Updated monthly

CINAHL®

Available via EBSCOhost®



EMBASE

- Tracking drug adverse events
- Comparing drug therapies for disease
- Evidence Based Medicine research
- Indexes over 7,000 active journals,
including 1800 not indexed by Medline



Reference Manager

- Software used to record citations
- Can usually be integrated with word processors
- Will create reference list in appropriate format
- Reference list created as you write
- Most enable users to search online libraries
- http://en.wikipedia.org/wiki/Comparison_of_reference_management_software

Common Mistakes

Breaking down each section further

Background

- Purpose
 - Provide all the information a reader needs to understand the rest of the paper
- Common Mistakes
 - Too much/not enough information
 - Unclear what the study is
 - Confusing structure
 - 1st person anecdotes

Methods

- Purpose
 - Provide enough detail for reader to be able to reconstruct your work
- Common Mistakes
 - Not enough information
 - Background, results, or discussion included
 - Verbose descriptions

Results

- Purpose
 - Present the key findings without interpreting their meaning
- Common Mistakes
 - Raw data presented
 - Redundancy
 - Methods or discussion included
 - No figures/tables

Figures & Tables

- Common Mistakes
 - Inappropriate format
 - Redundant information
 - Ugly
 - No labels/captions

Discussion

- Purpose
 - Interpret the results and tie everything together
- Common Mistakes
 - New results
 - Broad statements
 - “Inconclusive”
 - Ambiguous
 - Missing information

References

- Common Mistakes
 - Nepotism
 - Too many non-peer reviewed works
 - Formatting
 - Not enough

Enough Lecturing

Take 20 minutes to go through
manuscript writing checklist

Discuss with table and mentors



Wrapping things up

Good luck to you!



APIC Research Committee Members

- Kate Gase, MPH, CIC
 - Chair
- Tim Landers, CNP, PhD
 - Vice Chair
- Ida Androwich, PhD, RN, FAAN
- Debra Novak, DSN, RN
- Brenda Roup, PhD, RN, CIC
- Karen Cromwell, RN, MSM, CIC
- Jim Davis, MSN, CCRN, CIC, ECRI
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- Marc-Oliver Wright, MT(ASCP), MS, CIC
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- Elaine Larson, PhD, FAAN, RN, CIC
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