

Learn

Serve

Lead

#### What Editors Want: Tips for Good Scholarly Writing

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Association of American Medical Colleges

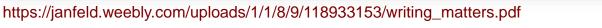
#### Writing matters

Jan Feld, Corinna Lines, Libby Ross<sup>\*</sup>

[March 15, 2022]

#### Abstract

For papers to have scientific impact, they need to impress our peers in their role as referees, journal editors, and members of conference committees. Does better writing help our papers make it past these gatekeepers? In this study, we estimate the effect of writing quality by comparing how 30 economists judge the quality of papers written by PhD students in economics. Each economist judged five papers in their original version and five different papers that had been language edited. No economist saw both versions of the same paper. Our results show that writing matters. Compared to the original versions, economists judge edited versions as higher quality; they are more likely to accept edited versions for a conference; and they believe that edited versions have a better chance of being accepted at a good journal.



Journal of the Association of American Medical Colleg

## **3 Ways to Write Better**

Concentrate on

- The word
- The sentence
- The paragraph



**The Word** 

Use plain language, avoid jargon

Use terms consistently



Use plain language, avoid jargon

- Who will read your article? Will they understand the terms you use?
- Do YOU understand the terms you use?
- Does using jargon save space?



# We queried the PGY1s' clinical reasoning skills pre and post workshop.



- a. We queried
- b. the PGY1s'
- c. clinical reasoning skills
- d. pre and post workshop.



- a. We queried
- b. the PGY1s'
- c. clinical reasoning skills
- d. pre and post workshop.



# We assessed the first-year residents' clinical reasoning skills pre and post workshop.



Use terms consistently

- Instruments Pre-intervention questionnaire vs Pre-seminar survey
- Participants Community preceptors vs Clinician-educators
- Study stages Post-course vs Six-month follow-up



Think twice before using

- In order to / In an effort to We used a survey in order to vs We used a survey to
- Adverbs She talks loudly vs She shouts



Use active voice

#### Use verbs, avoid "zombie nouns"

#### Avoid forms of the verb "to be"



Use active voice

- Tell readers who did what
- Save space (passive voice requires more words)



If students without the necessary competencies can be identified early in training, an intervention can be undertaken before the final assessment.



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- b. can be identified early in training,
- c. an intervention can be undertaken
- d. before the final assessment.



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If faculty can identify students without the necessary competencies early in training, they can intervene before the final assessment.



Use verbs, avoid "zombie nouns"

- Look for verbs hiding as nouns (think, I shun "tion")
- Convert those nouns to verbs



Operationalization Operationalize Operation Operate



An investigation was undertaken to determine the possible effects of a workshop on physician well-being.



- a. An investigation was undertaken
- b. to determine the possible effects
- c. of a workshop on physician well-being.



- a. An investigation was undertaken
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The researchers investigated the effects of a workshop on physician well-being.



Avoid forms of the verb "to be"

- Including the sentence starters "There is," "There are," and "It is"
- This forces you to tighten your sentences and look for more active, explicit, and informative verbs.





There was careful selection and training of the standardized patients.



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- a. The standardized patients were carefully selected and trained.
- b. We carefully selected and trained the standardized patients.
- c. Careful selection and training of the standardized patients took place.



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### **The Paragraph**

The topic sentence should be clear, concise, and informative.

The middle sentences should clearly relate to each other and provide sufficient examples / evidence to support your argument.

The last sentence should be either a summary statement or a transition to the next paragraph.



- a. Yet, a major bottleneck remains.
- b. Program directors simply lack the time to thoroughly appraise the multiple pages of narrative content, such as experiences, letters, and the personal statement, present in each application.
- c. Reining in application numbers through caps or other methods has been repeatedly proposed but not widely implemented.<sup>6</sup>
- d. Likewise, increasing faculty time for application review is untenable given an already costly process.<sup>7</sup>
- e. New tools to facilitate more efficient holistic review could be an achievable and impactful path forward.



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## **The Paragraph**

#### **Transitions can**

- Add information or examples (*in addition*, *such as*)
- Indicate cause and effect (*hence*, *accordingly*)
- Show sequence or time (*then*, *next*)
- Compare or contrast (*likewise*, *in contrast*)
- Summarize or conclude (*in summary*, *finally*)
- Show purpose or emphasis (for this reason, above all)
- Call out concessions or exceptions (of course, yet)



In addition to the egalitarian desire for the diversity of the physician workforce to reflect that of the patient population, increasing physician diversity improves patient outcomes and may help diminish structural racism.<sup>3</sup> For example, Black and Hispanic patients are more likely to be seen for medical care for new or ongoing problems if their physician comes from the same background.<sup>4</sup> Racial/ethnic concordance is also associated with improved communication and patient satisfaction and with lower infant mortality.<sup>5</sup>

In the past decade, there has been a shift in U.S. births, with a majority of newborns now coming from "minority backgrounds."<sup>6</sup> Hence, the pediatric workforce must lead the way in increasing workforce diversity. Furthermore, diverse representation in academic medicine and health care leadership can influence research, education, advocacy, and budgets in ways that promote equity and address structural racism. This work is especially pertinent given the health disparities highlighted by the COVID-19 pandemic.<sup>7</sup>

- a. In addition
- b. For example
- c. Also
- d. In the past decade
- e. Hence
- f. Furthermore

Escalante E, Smiley Y, Agrawal D, Teach SJ, Cora-Bramble D, Barber A. Increasing pediatric residency class diversity to improve patient outcomes and address structural racism. Acad Med. 2022;97:850-854.



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### **The Paragraph**

Use transitions to "glue" sentences and paragraphs together

Paragraphs = Punctuation Break up long paragraphs to help readers

Use subheadings to break up long sections



### **Next Steps: Editing Your Work**

At the WORD level, think about the precision of your ideas.

At the SENTENCE level, think about the clarity of your ideas.

At the PARAGRAPH level, think about the structure of your ideas.





SEARCH

STUDENTS & RESIDENTS

NEWS & INSIGHTS

DATA & REPORTS

PROFESSIONAL

DEVELOPMENT

SERVICES

WHO WE ARE

WHAT WE DO

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>

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POLICY

#### Fostering Scholarship in Medical Education: Resources for Authors and Reviewers

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Scholarship drives the practice of medical education forward, affecting how we educate trainees and ourselves, what we know about each other and our institutions, and how we identify and close gaps in our understanding of important topics. The AAMC supports scholars and their work through its journals and professional development offerings and its role connecting people and convening groups from across the community.

Below you'll find a curated set of resources to advance your work as a health professions education researcher, writer, and reviewer. All resources are available to access and download for free unless otherwise noted.

This list is but a sample of the resources available to support scholars in their work. If you use other (free) resources, we want to know! E-mail <u>icollaborative@aamc.org</u> with a link to the resource and a brief description of it and why it's helpful to you. We'll update this page periodically with new and newly uncovered resources.

#### **Getting Started**

Sometimes figuring out where to start can seem impossible. These resources will guide you through the before, during, and after processes of conducting research. They're the perfect place to begin for those new or newly returned to health professions education scholarship.

- The <u>Conducting Research in Health Professions Education: From Idea to Publication eBook</u> is a collection of
  one-page infographics offering guidance on each step of the process of conducting and publishing research in
  health professions education from writing good research questions to analyzing quantitative and qualitative data
  to responding to reviewer feedback to promoting your published work.
- The <u>Research in Medical Education: A Primer for Medical Students</u> includes an overview of medical education research as well as strategies and recommendations for getting started.

#### Writing Up Your Work

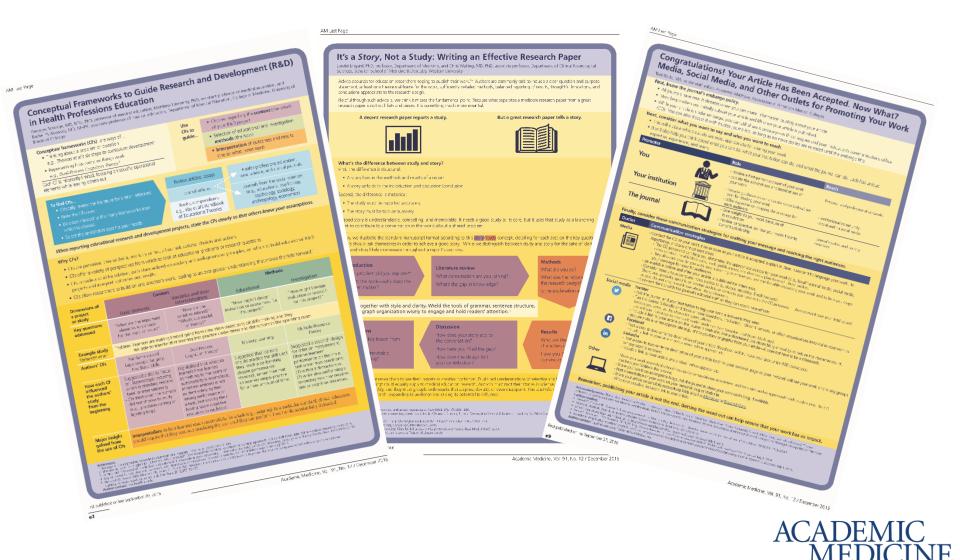
Writing up your work can take time, and there is an art to communicating your argument and findings. These resources will help you improve your writing, no matter the type of publication.

 The <u>Handbook for Academic Medicine Writing Workshop</u> is a handbook with annotated examples of successful manuscripts published in *Academic Medicine*. It includes a variety of article types.



#### aamc.org/what-we-do/mission-areas/medical-education/fostering-scholarship

# Conducting Research in HPE: From Idea to Publication (eBook)



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2013; 35: e926-e934



#### WEB PAPER

## Writing for academia: Getting your research into print: AMEE Guide No. 74

JOHN H. COVERDALE<sup>1</sup>, LAURA WEISS ROBERTS<sup>2</sup>, RICHARD BALON<sup>3</sup> & EUGENE V. BERESIN<sup>4,5</sup> <sup>1</sup>Baylor College of Medicine, USA, <sup>2</sup>Stanford University School of Medicine, USA, <sup>3</sup>Wayne State University School of Medicine, USA, <sup>4</sup>Harvard University, USA, <sup>5</sup>Massachusetts General Hospital and McLean Hospital, USA

#### Abstract

The authors identify and describe strategies for success in writing for publication, including how to choose an educational research topic, define the question and choose the correct design, know the anatomy of a research paper, write each of the sections, optimize the writing before publication, choose a journal, and respond to editors and reviewers. The research question should be focused, modest, and achievable given the constraints of the setting, significant, and appropriately imbedded in the available literature. The choice of methods is determined by the nature of the educational research question and should conform to ethical standards. Specific strategies for writing include starting where it is easiest to do so, spontaneously and uncritically writing the first paragraphs through, minimizing external impediments to the work, and knowing how each section of a manuscript is routinely the available are to experiment.

Coverdale JH, Roberts JW, Balon R, Beresin EV. Writing for academia: Getting your research into print: AMEE Guide No. 74. Med Teach. 2013;35:e926-e934.



Perspect Med Educ (2015) 4:79–80 DOI 10.1007/s40037-015-0176-x NPMG

EDITORIAL

#### The writer's craft

Lorelei Lingard

Published online: 8 April 2015 © The Author(s) 2015. This article is published with open access at Springerlink.com

A medical education research colleague asked me for career advice recently, and in the course of our conversation I asked her, 'How's your writing?' I didn't intend it to be a loaded question, but it clearly was: she squirmed in her seat and avoided meeting my gaze. The pause stretched awkwardly as if I'd asked an intimate question like 'How's your marriage?', and she was deciding how to handle this faux pas. Finally she answered, 'I guess I'm okay at it...I don't know...I'm not one of those people who's a *writer*,

writing is a skill many feel they lack, the question 'How's your writing?' gets at one of the dark hearts of imposter syndrome among medical education researchers. And, let's be frank, a lot of our scientific writing is *terrible*: dry, chalky, convoluted stuff that even an engaged reader struggles to choke down. We find ourselves in a troubling situation: one of our valued practices—writing—is highly fraught, both because many individual writers feel unskilled and because our community perpetuates a shared genre we love to hate







#### Review Criteria for Research Manuscripts

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#### Scholarly Publishing Webinar Series

- Writing Effective Titles and Abstracts June 30, 1:00 2:30 PM ET
- Using Inclusive Language in Scholarly Writing: A Roundtable Discussion
   July 13, 12:00 - 1:00 PM ET (registration to open soon)
- Responding to Peer Review: Insights for Successfully Revising Your Manuscript Sept. 29, 1:00 - 2:00 PM ET

Register at https://www.aamc.org/about-us/missionareas/medical-education/scholarly-publishing-webinar-series





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Scholarly Publishing Webinar Series



