

BACKGROUND

- Quality improvement (QI) is a natural fit for many problems in medical education, as it allows for local, contextual changes to problems.
- There are currently fewer than a dozen published peer-reviewed articles applying QI methodologies in medical education.¹
- At the journal level, a lack of clear guidance for QI authors may serve as a barrier to publication.

HYPOTHESIS

Most medical education journals lack specific guidance for manuscripts using QI methodologies or encourage authors of empirical articles to use hypothesistesting research methods.

METHODS

- Identified 23 core medical education journals using the MEJ-24.²
- Two independent raters reviewed the journal author guidelines for 23 journals, with disagreements resolved by a third author.
- Interrater reliability determined using kappa statistic (κ).
- Qualitative and quantitative data about the author guidelines were recorded.

Medical education journal guidelines for educational quality improvement submissions

Amber Priester, MS4, MET Scholar¹, Dmitry Tumin, Ph.D.,² David Eldridge, M.D.² 1: Brody School of Medicine, East Carolina University; 2: Department of Pediatrics, East Carolina University

RESULTS

- Quantitative study parameters included:
 - Explicit mention of QI methodology or QI projects (n=4, 17%, κ =1.0)
- Specific reporting requirements for QI projects (n=1, κ =0.5)
- Specific submission category for QI projects (n=1, $\kappa=0$)
- Recommendations for quantitative data analysis (n=4, 17%, κ =0)

Table 1. Description of 5 journals that met study parameters

Journal Name	Description of Auth
Advances in Health Sciences Education	Referenced SQUIRE mention of QI. Prese requirements for qua
Clinical Teacher	Specific submission "Innovation, Impleme guidelines stated that explicit confirmation exemption but did no QI projects. No reference checklists.
Journal of Continuing Education in the Health Professions	Suggested utilization of QI work receiving the challenge of ethic stated that conflicts of investigated or addre receive explicit appro- submission in three of reporting requirement
Journal of Graduate Medical Education	Listed formatting and writing QI and Patien submission category resources titled, "Qua Safety," which refere "Reporting on Patien Improvement Educat "How to write up you for publication." Pres requirements for qua
Education for Health	No mention of QI. Pr requirements for qua

QI Guidance Provided in hor Guidelines

E-EDU but made no other ence of specific reporting antitative data. category for QI titled entation, Improvement." Author at submissions should contain of ethical approval or IRB not provide specific guidance for rences to guidelines or

n of SQUIRE-EDU in the context IRB exemption. Acknowledged ical approval for QI work but of interest should still be ressed. Authors required to roval or exemption prior to categories. Presence of specific nts for quantitative data. d structure requirements for nt Safety articles, regardless of v. Provided a header of alitative Improvement, Patient enced SQUIRE-EDU, Wong's nt Safety and Quality ation," and Wong and Sullivan's ur quality improvement initiatives sence of specific reporting antitative data. resence of specific reporting antitative data.

DISCUSSION

- SQUIRE-EDU guidelines.
- specific to QI projects.

CONCLUSION

REFERENCES

- hpeds.2021-006122 [pii].
- 10.1111/medu.14677.



Amber Priester **Brody School of Medicine** East Carolina University Greenville, North Carolina 27834 priesteram18@students.ecu.edu

 Based on our review, few medical education journals mentioned QI at all.

 Almost none provided detailed guidance to authors of QI projects outside of citing the

Only one journal discussed ethical approval

• Lack of explicit mention of QI projects may leave authors confused about whether their QI

submission would be accepted at all.

• Given the lack of guidance in writing and

formatting QI articles, authors may perceive a

preference of journals for quantitative data over

qualitative explanations and contextual features.

 Few medical education journals currently provide guidance to authors of QI projects, which may serve as a barrier to their publication. We encourage journals to edit their author guidelines to provide explicit and specific guidance for QI projects.

Rooholamini SN, Beck J. The best of both worlds: Strengthening medical education research and evaluation using quality improvement. Hosp Pediatr. 2021. doi:

2. Maggio LA, Ninkov A, Frank JR, Costello JA, Artino AR. Delineating the field of medical education: Bibliometric research approach(es). Medical education. 2021. https://search.proquest.com/docview/2582807152.doi: