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Peer-Review Report

# Peer Review of “Finding Potential Adverse Events in the Unstructured Text of Electronic Health Care Records: Development of the Shakespeare Method”

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Haiyan Yu, PhD

Center for Data and Decision Sciences, Chongqing University of Posts and Telecommunications, Chongqing, China

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**Related Articles:**

Preprint (medRxiv): <https://www.medrxiv.org/content/10.1101/2021.01.05.21249239v1>

Preprint (JMIR Preprints): <https://preprints.jmir.org/preprint/27017>

Authors' Response to Peer-Review Reports: <https://med.jmirx.org/2021/3/e31568/>

Published Article: <https://med.jmirx.org/2021/3/e27017/>

(*JMIRx Med* 2021;2(3):e31551) doi: [10.2196/31551](https://doi.org/10.2196/31551)

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*This is a peer-review report submitted for the paper “Finding Potential Adverse Events in the Unstructured Text of Electronic Health Care Records: Development of the Shakespeare Method”*

## Round 1 Review

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**General Comments**

This paper [1] investigated the new and increasing rates of adverse events (AEs) in unstructured text in electronic health records (EHRs). The topic is interesting. The authors used the Shakespeare method to identify attributed and unattributed potential AEs with EHRs. This method would be a useful supplement to AE reporting and surveillance. Although I believe that the topic of the study is very relevant, I have some concerns related to the theoretical background of the study. Specific major and minor comments are listed below.

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**Conflicts of Interest**

None declared.

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**References**

1. Bright RA, Dowdy K, Rankin SK, Blok SV, Palmer LAM, Bright SJ. Finding Potential Adverse Events in the Unstructured Text of Electronic Health Care Records: Development of the Shakespeare Method. *JMIRx Med* 2021 Aug 11;2(3):e27017 [[FREE Full text](#)] [doi: [10.2196/27017](https://doi.org/10.2196/27017)]
  2. Bright RA, Rankin SK, Dowdy K, Blok SV, Bright SJ, Palmer LAM. Potential Blood Transfusion Adverse Events Can be Found in Unstructured Text in Electronic Health Records using the Shakespeare Method. medRxiv Preprint published on January 6, 2021 [[FREE Full text](#)] [doi: [10.1101/2021.01.12.21249674](https://doi.org/10.1101/2021.01.12.21249674)]
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**Abbreviations**

**AE:** adverse event

**EHR:** electronic health record

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*Edited by E Meinert; this is a non-peer-reviewed article. Submitted 24.06.21; accepted 24.06.21; published 11.08.21.*

*Please cite as:*

*Yu H*

*Peer Review of “Finding Potential Adverse Events in the Unstructured Text of Electronic Health Care Records: Development of the Shakespeare Method”*

*JMIRx Med 2021;2(3):e31551*

*URL: <https://med.jmirx.org/2021/3/e31551>*

*doi: [10.2196/31551](https://doi.org/10.2196/31551)*

*PMID:*

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