Reviewer’s report

Title: Accessing and sharing health information for post-discharge stroke care through a National Health Information Exchange platform - a case study

Version: 0 Date: 02 Nov 2018

Reviewer: Jordan Everson

Reviewer’s report:

This study provides a useful investigation of the value and usability of the Swedish national health information exchange platform. By selecting a single case study, the authors are able to describe the strength and weakness of the Swedish system in detail.

The introduction is lengthy and I am not sure that the information presented is necessary or clearly motivates the study. A briefer introduction, or at least one that makes the objective of the current study clear much earlier would be more valuable.

The strengths and weaknesses of the Swedish system for this case may be idiosyncratic, and the authors do not fully systematize what is learned from the case study. What is interesting about this case beyond the Swedish situation? Are there lessons for efforts to build HIEs elsewhere?

On lines 458-460, the authors note that "Of course, for Anna to have access to all her prescribed medications, both care providers must have connected their EHR systems as service providers to this particular service contract." This description confused me and raised additional questions: Is this true for all service contracts? What proportion of providers connect to each service providers? Is the national HIE likely to have important, large holes in the patient data it contains due to low participation? Participation in HIEs remains an ongoing challenge internationally wherever participation is optional, and this issues should be addressed in more detail.

Figure 4 is very difficult to read and might be improved by removing the figures featuring stickmen and the description of different tools functions.

Figure 6 does not appear to provide much information and might be omitted.

I don't believe a HIS is ever clearly defined.

Wording of the manuscript is awkward in several places. Close copy-editing and proofing will likely be necessary to improve readability.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes
**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

Unable to assess

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

Yes

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

Not relevant to this manuscript

**Quality of written English**
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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