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: 17 Sep 2018

Reviewer: Siyu Qian

Reviewer’s report:

Thank you for the opportunity to review this case study on health information exchange (HIE) for post-discharge stroke care. The study defined a fictive patient as an example to map the patient's information needs and the information accessible via the national HIE platform. The manuscript is well written with a clear account of the study aim. My comments/suggestions are as follows:

Introduction


Methods

2. Typo on page 12 line 275 "goas" -> "goes"

3. Page 16 line 367, "necessary health information documented in several source systems are illustrated in figure 5”. Isn't it Figure 4?

Results

4. The organisation of the results section needs some adjustment. Currently, the key message has not been shown clearly. The aim of this study is to study whether the HIE platform meets the information access needs of post-discharge stroke patients using a care and rehabilitation planning tool. Therefore, three groups of information, which you all have, need to be mapped in one table:

- the patient's information needs and type of information needs such as basic and interactive (identified from the scenarios developed by the authors and previous studies as shown in table 2)

- the information that has been documented by healthcare professionals in various EHRs (as shown in table 1 and figure 4)

- information accessible via the HIE (as given in table 3 about service contracts and APIs)
5. Page 17 line 377, are the potential eHealth services already available or intended to build?

6. Page 17 line 383 "To be able to analyse the information flow between some of the potential eHealth services..." Does this paper intend to analyse the information flow between the potential eHealth services? If so, which part presents the relevant results?

7. Page 17 lines 387-389 "All necessary information addressed in our...are not available" What is the purpose of giving this piece of information here?

8. Page 34 "Table 3" should be "Table 1"

9. In Table 1, what information is covered by "Information about me"?

10. Please translate text in Figures 1 and 6 into English.

Discussions

11. The first paragraph goes more than one page. Please break it into 2-3 paragraphs.

Appendix

12. A typo in the first diagram. "Documentatioin" -> "Documentation"

13. The diagrams are quite messy. Please reorganise the elements to ensure better readability, for example consider to move some of the users to the right hand side of the diagrams.

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:

Acceptable

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