Reviewer's report

Title: A clinical decision support tool to screen health records for contraindications to stroke thrombolysis-a pilot study

Version: 2 Date: 9 September 2015

Reviewer: Farrant Sakaguchi

Reviewer's report:

Overall - Interesting study, reasonable methods, useful results, worthy of report and publication, but writing could be significantly strengthened.

The questions are well defined, methods are appropriate, the data are sound but merit greater analysis, the figures appear genuine, the discussion is balanced, the limitations are clearly stated, the authors clearly acknowledge prior work, and the title and abstract are accurate.

However, as the results describe a specific application for a specific clinical setting, without significant innovation or novelty, the writing must be strengthened in order to make it either more easily reproduced, or to emphasize principles that might be generalized by others.

Major Compulsory Revisions:

The methods should be better described. A little more detail would be appreciated, but more importantly is to clarify the groupings, the number of tests performed, the presentation of the clinical decision-support, and how missing data was analyzed. The data tables should include descriptive statistics and possibly stronger statistical analysis.

The writing is free of grammatical errors, but should be clearer, especially in the methods section.

Minor Essential Revisions:

None

Discretionary Revisions:

The impact will be increased as the writing is strengthened.

The figure provides little information. A screenshot or mock-up of the screenshot would be more informative.

The tables would be more useful in a more concise, summarized form, such as by using some descriptive statistics.

Level of interest: An article whose findings are important to those with closely
related research interests

**Quality of written English:** Acceptable

**Statistical review:** Yes, and I have assessed the statistics in my report.

**Declaration of competing interests:**

I declare that I have no competing interests