Reviewer's report

Title: An Ontology-based Nurse Call Management System (oNCS) with Probabilistic Priority Assessment

Version: 8 Date: 10 January 2011

Reviewer: Joanne C Turnbull

Reviewer's report:

Summary. The paper is much improved, and more accessible to a HSR audience.

1. Is the question posed by the authors well defined?
   Yes

2. Are the methods appropriate and well described?
   Yes, the methods section is much more accessible, by virtue of the authors reducing the volume of the information and removing some of the detailed description. As a result this section is much clearer and easier to follow they key points that the authors are making. The algorithm section is much improved and more accessible for a HSR audience.

3. Are the data sound?
   Yes

4. Does the manuscript adhere to the relevant standards for reporting and data deposition?
   The authors have re-written sections of the paper and now has a more HSR focus – which seems much more appropriate for this particular journal.

5. Are the discussion and conclusions well balanced and adequately supported by the data?
   Yes, as above. The authors have taken steps to address the somewhat short discussion/conclusions. It has new sections which includes a discussion of simulation and ‘real life' health care environments which I feel very much improves the paper.

6. Are limitations of the work clearly stated?
   Yes, this section has been added, an allows the audience to understand more clearly what the limitations of this type of study is.

7. Do the authors clearly acknowledge any work upon which they are building, both published and unpublished?
   Yes, reviewer #2 suggested an analysis of related work and it is now clear how this paper both relates to, and builds on related research.
8. Do the title and abstract accurately convey what has been found?
Yes

9. Is the writing acceptable?
Yes

**Level of interest:** An article of importance in its field

**Quality of written English:** Acceptable

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests