Reviewer's report

Title: Understanding the discriminant factors that influence the adoption and use of clinical communities of practice: the ECOPIH case

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Reviewer: Filipe Portela

Reviewer's report:

Overview

In this paper the authors are exploring an assessment method in order to determine and to analyse the discriminant factors that have an influence on the communities of practice by Primary and Second care at an information sharing level. This study were performed by 357 professionals and conducted in a real environment.

TAM is a recognized model to assess technologies and their applicability in the Healthcare is total. The authors made a good choice.

TAM Goals are well defined when applied to ECOPIH

Minor Essential Revisions

Which version of TAM was used? TAM 1? There are most recent versions as is TAM 3 which also consider the user intentions and behaviours. TAM 3 has 4 constructs Perceived ease of use; Behavioral intention; Perceived usefulness; Use Behaviour.

Maybe it will be important perform a second round of questionnaires considering TAM 3. This analysis can be published as a second article about this subject.

What were the questions? The relation with P1 - P4 it is not very clear in the text.

Which tool were used to assess the results?

The results of the concordance level are by user, by answer or both?

How the questionnaires were disseminated? Web, Digital or paper?

The paper is well-written and has scientific contributions, however being used TAM, It is missing a results analysis by the TAM constructs.

The questionnaire and their match with TAM also should be better explained.

In order to improve your paper (in an analysis level) and perform a new round using TAM 3 could be interesting read the following paper: Pervasive Intelligent Decision Support System – Technology Acceptance in Intensive Care Units
Concluding the authors are presenting a very interesting work and in my opinion the paper should be accepted after some punctual improvements.

**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