Reviewer's report

**Title:** Factors associated with the utilization of primary care emergency centers in a Spanish region with high population dispersion: a mixed-methods study

**Version:** 3  
**Date:** 28 April 2014

**Reviewer:** Joanna Stewart

**Reviewer's report:**

This paper is clearly presented and apart from a couple of typographical errors my only concern is in the description of the MOR - see below

**Minor**

1. Background p3 2nd to last sentence starting 'however ... - needs rewording
2. next sentence typo 'access'
3. p8 definition of MOR. This is not a measure, as a biostatistician, I have met previously and I suspect not many of the readers of this journal will have done so either. It is therefore important that it is clear what this measure is. From my understanding of the definition (and name) it is the median odds ratio of all pairs of people with the same characteristics in different municipalities. It would therefore be less confusing if the wording was more strictly aligned to this in both the methods and results. It is a median, not a mean and it is presenting an odds ratio so needs to be worded as such. Therefore on the bottom of p8 it needs to read something like 'the MOR represents the median ratio of the odds for people in different municipalities of utilising a PCEC ....' etc Similarly in the results on p12.

4. p9 spelling in heading 'Geographical'

**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