Reviewer's report

**Title:** Level of agreement between patient-reported EQ-5D responses and EQ-5D responses mapped from the SF-12 in an injury population

**Version:** 3  **Date:** 10 April 2015

**Reviewer:** Stein Emil VOLLSLET

**Reviewer's report:**

Review of resubmitted manuscript

I have reviewed the resubmitted manuscript including two previous reviewers’ reports and the authors’ response. Using large data sets on trauma patients with both EQ-5D-3L and SF-12 data recorded, the authors study properties of mapping algorithms from SF-12 to EQ-5D.

**Major compulsory revisions:** none

**2. Minor essential revisions:** report correlation coefficient between actual and estimated preference weights (could be added to Table 4). Please clarify what is meant by 'scores' in the conclusion section of both the abstract and at the end of the discussion section.

**3. Discretionary revisions:**

**Figure**

In addition to the Altman-Bland plots it would be useful to see scatterplots of actual against estimated preference weights (at 6 and 12 months).

The Bland-Altman plots suffer from overlap of many single points – attempt improving the plots by using a smaller point size.

Clearly state in the Figure legend what is in the two plots (6 and 12 months)

Consider rewrite of conclusion in view of these plots and correlation coefficients – “caution” may be a weak wording advising on the use of EQ-5D-3L preference weights estimated from SF-12 responses.

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

**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