Reviewer's report

Title: Social Determinants of Health and Periodontal Disease in Brazilian Adults: a cross sectional study

Version: 4 Date: 21 April 2013

Reviewer: Kerstin Öhrn

Reviewer's report:

The apper has improved and I am happy with the revised manuscript with a few minor parts.

1. In the second last piece in the Background there is an abbreviation PD without any previous explanation and the sentence in which it occurs is not understandable

...determining prevalence of PD in the population and identifying associated factors MAY INCREASE THE TO IMPLEMENT TAKING PUBLIC HEALTH INTERVENTIONS THAT will contribute to a reduction in poor dental health. This need to be rewritten.

2. In the fourth part of methods 6th line it is written ..design effect deff (which i assume is an abbreviation) because on the next line it is written desing effect (deff) the last part need to be moved to the first time the abbreviation occurs.

3. There is an inconsistency in the discussion. In part 7 you write that ... women, who are usually more careful with respect to health.... later on in part 12 you write that ...factors that may have negative effects on health: female sex .... and thirdly in part 14 you write ...indicate that women have better oral hygiene than men and visit the dentist more often....you need to decide whether women have better health or not or if there is an inconsistency you need to discuss that.

4. There is no information what the author Flavio Ferreira Mattos has contributed with

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'