Reviewer’s report

Title: Early childhood caries in Switzerland: a marker of social inequalities

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Reviewer: Simone ST Tuchtenhagen

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1) General comments
This paper is a cross-sectional study that aimed to assess the prevalence of ECC among a convenience sample of children living in French-speaking Switzerland and test its feasibility as a marker of social inequalities. The study was conducted in one facility of Lausanne Children’s Hospital and 856 children from 36 to 71 months old were clinically screened. The main result of the article is that the overall prevalence of ECC was high when compared to other European countries (24.8%) and ECC was more frequent among children from lower socio-economic backgrounds.

2) Major compulsory Revisions
2.1. Abstract and Statistical analysis: In my previous report, I suggest the authors to calculate the prevalence ratio as the ratio of the prevalence of ECC among the exposed to the prevalence among the unexposed. I don't quite understand the measure presented as prevalence ratio, since there is no reference category. Besides, the pontual estimation should be followed by a measure of significance.

3) Minor Essential Revisions
3.1. Introduction: "ECC is correlated a high burden of disease" I believe the word "with" is missing.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:
I declare that I have no competing interests.