Reviewer's report

Title: Individual- and regional-level determinants of human papillomavirus (HPV) vaccine refusal: The Ontario Grade 8 HPV Vaccine Cohort Study

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Reviewer: Nicola Luigi Bragazzi

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The aim of this article is to investigate the predictors of HPV vaccination refusal in the area of Ontario (Canada). The topic of "vaccine refusal or hesitancy" is an emerging theme which has fostered an increasingly huge body of research, which should be (at least briefly) reviewed, compared and discussed. This is not the case for this manuscript, which reads more as a draft than a properly and scholarly developed article.

Major Compulsory Revisions

1) Introduction should be expanded, discussing the vaccination policy of HPV immunization, its public health implications and introducing the theme of vaccination hesitancy and its importance for implementing public health strategies.

2) Discussion reads as rather poor: authors should better compare their findings and discuss them, when consistent or not with the previous literature. I think that the following article "Understanding vaccine hesitancy around vaccines and vaccination from a global perspective: A systematic review of published literature, 2007-2012." by Larson HJ, Jarrett C, Eckersberger E, Smith DM, Paterson P, published in Vaccine. 2014 Apr 17;32(19):2150-2159, could be very useful for the authors.

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.