Reviewer’s report

Title: Fluctuations in the Incidence of Type 1 Diabetes in the United States from 2001-2015: A Longitudinal Study

Version: 0 Date: 07 Sep 2017

Reviewer: Chung-Yi Li

Reviewer's report:

This study is generally sound in both study design and statistical analysis. According to the literature, the incidence rate of type 1 diabetes increased by 2-5% annually in developed nations worldwide, with particularly higher figures noted in Nordic nations. The US is no exception. Despite findings from this study could be mostly appreciated locally, one major contribution of this study was its highlighting the importance of type 1 diabetes incidence in adults. Listed below are some comments of mine:

1. The study used direct standardization by age, gender and race to adjust incidence rates over time. Information on the standard population used for direct standardization is needed.

2. It is not clear if sex and race were standardized for the age-specific incidence rates presented in Table 1. Similar comments are applied to the data presented in Figures 1-5.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics
Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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