Reviewer's report

Title: Policy Implications of Regional Variations in Eye Disease Detection and Treatment on Prince Edward Island: A Repeated Cross-sectional Analysis, 2010-2012

Version: 0 Date: 03 Jul 2017

Reviewer: Robert Wall Emerson

Reviewer's report:

Why was PEI used as the study site? Arguably, it might be because the relatively small, island location meant that the geographic parameters were well defined and easily assessed. However, does the population of PEI reflect the greater population of Canada? Is this even a factor in this study? Repeating the study in another province with a similar funding structure would be a useful next step.

The use of standardized rate ratios is helpful in illustrating the differences. However, the statistical comparisons made in the data are referred to only obliquely in the three data tables. The article should describe the analysis procedures, the statistical tests used, and report the full results of the comparisons so that readers may make a fully informed decision on the authors' treatment of the data.

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 recommend additional statistical review
Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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