Reviewer's report

Title: Demographic, psychosocial, and genetic risk associated with smokeless tobacco use among Mexican heritage youth

Version: 3  Date: 2 June 2015

Reviewer: Adam J Milam

Reviewer's report:

Thank you for the opportunity to review this manuscript. The paper entitled Demographic, psychosocial, and genetic risk associated with smokeless tobacco use among Mexican heritage youth submitted to BMC Medical Genetics explores the association between genetic and psychosocial risk factors and smokeless tobacco use. Although smokeless tobacco use has seen declines in prevalence it remains a threat to public health especially among adolescents and young adults. The revised manuscript is much improved although there are a few areas that still need improvement. With minor revisions, I believe the manuscript would be ready for publication.

1. Would suggest having explanation for including BMI in the method section or introduction. It just appears in the methods without explanation.
2. One page 4, line 108 please include wave 3 before 2010-2011 to make it clear that the risk factors and outcomes are assessed at different waves
3. Please provide alpha for MacArthur Scale.
4. The explanation of missing data is not sufficient. Explaining missing data procedures and classification of missing data in the response to reviewers without any mention of it in the text is useless. The authors should have a clear and concise explanation of missing data in the test. Complete case analysis may provide biased estimates! The authors should compare those with complete data vs those with missing data. This is a really easy fix but has not been corrected.
5. Rephrase line 294 on page 8
6. Line 301 on page 9 should only mention the main findings. The other findings have been mentioned in the results section and earlier in the discussion.

Level of interest: An article of importance in its field

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