Reviewer's report

Title: Total Exposure Study Analysis Consortium: a cross-sectional study of tobacco exposures

Version: 2 Date: 20 July 2015

Reviewer: Jon Macy

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Minor essential revisions

1. Is there any concern about the age of the data? The landscape of smoking behavior, tobacco/nicotine products, and tobacco control has changed considerably over the past 12 years. Can the authors address this either in the background or discussion?

2. Where did the recruitment, screening, and data collection take place (geography and venue)?

3. What was the retention from session 1 to session 2? Was there any retention bias?

4. How much were study participants compensated?

5. I am concerned about the lack of Hispanics in the sample. This should be mentioned in the limitations.

6. Lines 269-271 on page 13: race is said to both differ and not differ by smoking status.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests.