Reviewer’s report

Title: Urinary bisphenol A and pubertal development in Chinese school-aged girls: a cross-sectional study

Version: 1 Date: 13 Jun 2017

Reviewer: Laura McGuinn

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Lines 133-134: The authors make it clear that these variables are self-reported, so the additional "through self-report" may not be needed. The authors may want to add additional information in the methods section particularly addressing how these variables (and other variables in Table 1) were defined.

Lines 162-163: It's still a bit unclear why the authors chose to look at associations with B5/PH5? In the introduction the authors note that associations were assessed with pubarche, thelarche, and menarche. So technically PH2+ and B2+ represents onset of pubarche and menarche? The authors may want to clarify what B5/PH5 represents, why early/late transition to this stage is important, and why early/late transition to onset of pubarche/thelarche would be different than early/late transition to completion of tanner stage 5.

Lines 169-178: unclear why this entire paragraph was removed? I think the authors may wish to at least keep "the longer since menarche, the less indicative of the current exposure to BPA for the exposure at menarche", as this may be an important reason for sub-setting the different ages.

Lines 240-245: I would be cautious with over-interpreting the results from different subsets of girls. I would also recommend re-wording the sentence in lines 241-243 as it appears strongly similar to the sentence from Karapanou et al. 2010.

Table 1. It may be helpful to include the actual median BPA concentration levels in this table.

Tables 4,5. Unclear what happened to girls aged 12? Should the ages be 9-13 and 14-18?

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