Reviewer's report

**Title:** Risk factors for childhood obesity: shift of the entire BMI distribution vs. shift of the upper tail only in a cross sectional study

**Version:** 1  **Date:** 18 March 2008

**Reviewer:** Chara Tzavara

**Reviewer's report:**

Statistical analysis

Major compulsory revisions

1. Comparison of quantiles of different distributions (as defined by the risk factors) is presented with Tukey mean-difference plots. A table concerning the BMI values at specific quantiles according to risk factors would be very helpful in the presentation of the results.

Minor essential revisions

1. Some changes in style should be made. For example:
   In Tukey mean-difference plots:
   “Exposed, N (%)=” instead of “n expo”
   “Not Exposed, N (%)” instead of “n no expo”
   The titles of the graphs should be changed as follows:
   “Maternal overweight” instead of “maternal overweight yes/no”

**What next?:** Accept after minor essential revisions

**Level of interest:** An article whose findings are important to those with closely related research interests

**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’