Note: A study can be awarded a maximum of two stars for each numbered item – (except number 5).

### A. Selection

1) Representativeness of the exposed cohort
   - a) Truly representative of the source population. ★ ★
   - b) Somewhat representative of the source population. ★
   - c) Selected group of users e.g. nurses, volunteers.
   - d) No description of the derivation of the cohort.

2) Ascertainment of childhood socioeconomic position (SEP)
   - a) Prospectively from parents/participants when aged ≤18 years. ★ ★
   - b) Retrospectively collected with attempts to reduce recall bias (e.g. life-grid and structured interview techniques).
   - c) Retrospectively collected without attempts to reduce recall bias.
   - d) No description.

### B. Comparability

3) Comparability of cohorts on the basis of the design/analysis
   - a) Study controls for adult SEP. ★
   - b) Study controls for any additional relevant factors (e.g. age, sex). ★ ★
   - c) Only unadjusted model presented.

### C. Outcome

4) Assessment of physical activity
   - a) Objective methods (heart-rate monitoring/accelerometer). ★ ★
   - b) Self-reported using validated questionnaire/diary/interview. ★
   - c) Self-report.
   - d) No description.

5) Adequacy of cohort follow-up
   - a) Complete follow up - all subjects accounted for. ★
   - b) Subjects lost to follow up unlikely to introduce bias (≥75% follow-up or description provided of those lost). ★ ★
   - c) <75% follow-up and no description of those lost.
   - d) No statement.