

Additional file 3 Amended Newcastle-Ottawa Quality Assessment Scale.

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 ($\geq 75\%$ follow-up or description provided of those lost). ★
- c) $< 75\%$ follow-up and no description of those lost.
- d) No statement.