

Do adolescents' experiences of the barriers and facilitators of physical activity differ by socioeconomic position? A systematic review of qualitative evidence

Miss Olivia Allcott¹, Miss Mairead Ryan¹, Dr. Hannah Fairbrother², Dr. Esther van Sluijs¹

1. *UKCRC Centre for Diet and Activity Research (CEDAR), MRC Epidemiology Unit, University of Cambridge, Cambridge, United Kingdom*
2. *Health Sciences School, University of Sheffield, Sheffield, United Kingdom*

Correspondence

MRC Epidemiology Unit,

University of Cambridge School of Clinical Medicine,

Box 285 Institute of Metabolic Science,

Cambridge Biomedical Campus,

Cambridge CB2 0QQ

Email: esther.vansluijs@mrc-epid.cam.ac.uk

Search Strategies

Box S1: Search strategy for MEDLINE via Ovid

1. Physical activity.mp. or exp Exercise/
2. ("physical* activ*" OR exercis* OR "activ* transport*" OR "activ* travel*" OR sport* OR "leisure activ*" OR "physical education").ti,ab,kw.
3. 1 or 2
4. exp Adolescent/
5. (adolescen* OR children* OR youth* OR teenage* OR student* OR pupil*).ti,ab,kw.
6. 4 or 5
7. exp Socioeconomic Factors/ or exp Social Class/
8. (socioeconomic* OR "socio economic*" OR "socio-economic*" OR "social class" OR "social status" OR affluence OR deprivation OR deprived OR disadvant* OR demograph* OR education OR occupation OR income OR wealth* OR "household condition*").ti,ab,kw.
9. 7 or 8
10. exp Qualitative Research/ or qualitative.mp.
11. (qualitative OR "focus group*" OR "focus-group*" OR interview* OR narrative* OR ethnograph* OR "mixed-method*" OR "mixed method*").ti,ab,kw.
12. 10 or 11
13. 3 and 6 and 9 and 12

Box S2: Search strategy for Web of Science (core collection)

TS=("physical* activ*" OR exercis* OR "activ* transport*" OR "activ* travel*" OR sport* OR "leisure activ*" OR "physical education").

AND

TS=(adolescen* OR children* OR youth* OR teenage* OR student* OR pupil*).

AND

TS=(socioeconomic* OR "socio economic*" OR "socio-economic*" OR "social class" OR "social status" OR affluence OR deprivation OR deprived OR disadvant* OR demograph* OR education OR occupation OR income OR wealth OR "household condition*").

AND

TS=(qualitative OR "focus group*" OR "focus-group*" OR interview* OR narrative* OR ethnograph* OR "mixed-method*" OR "mixed method*").

Box S3: Search strategy for ERIC, PsychINFO and Global Health via EBSCOhost

1. TI (("physical* activ* OR exercise* OR "active transport*" OR "active* travel*" OR sport*. OR "leisure activ* OR "physical education".) OR AB (("physical* activ* OR exercise* OR "active transport*" OR "active* travel*" OR sport*. OR "leisure activ* OR "physical education".))
2. DE "Physical Activity" OR DE Exercise OR DE "active living*" OR DE "Activity Level" OR DE "Health Behaviour" OR DE "Physical Fitness"
3. 1 OR 2
4. TI (("adolescen*" OR children* OR youth* OR teenager* OR Student* OR Pupil*.) OR AB (("adolescen*" OR children* OR youth* OR teenager* OR Student* OR Pupil*.)
5. DE "Adolescent Attitudues" OR DE "Adolescent Bhevaiour" OR DE "Adolescent Characterisits" OR "Adolescent Development" OR DE Adolescent Psychology"
6. 4 OR 5
7. TI ((socioeconomic* OR "socio economic*" OR socio-economic* OR "social class" OR "social status" OR affluence OR deprivation OR deprived OR disadvant* OR demograph* OR education OR occupation OR income OR wealth OR "household condition*.) OR AB ((socioeconomic* OR "socio economic*" OR socio-economic* OR "social class" OR "social status" OR affluence OR deprivation OR deprived OR disadvant* OR demograph* OR education OR occupation OR income OR wealth OR "household condition*.)
8. DE "Socioeconomic Status"
9. 7 OR 8
10. TI ((Qualitative OR "focus group*" OR "focus-group*" OR interview* OR narrative* OR ethnograph* OR "mixed-method*").) OR AB ((Qualitative OR "focus group*" OR "focus-group*" OR interview* OR narrative* OR ethnograph* OR "mixed-method*").)
11. DE "Qualitative Measures" AND DE "Qualitative Methods"
12. 10 OR 11
13. 3 AND 6 AND 9 AND 12