

=====

Reducing socioeconomic inequalities in access to and participation in community-based running and walking activities: a longitudinal ecological study of parkrun events 2010 to 2019^{*,**}

Robert A. Smith^{a,*,1}, Paul P. Schneider^{a,1}, Rami Cosulich^a, Helen Quirk^a, Alice M. Bullas^c, Steve J. Haake^b and Elizabeth Goyder^a

^aSchool of Health and Related Research, 30 Regents Court, Sheffield, United Kingdom, S1 4DA,

^bAdvanced Wellbeing Research Centre, Sheffield Hallam University, Olympic Legacy Park, Sheffield, S9 3TU, K

^cSports Engineering, Sport and Physical Activity Research Centre, Sheffield Hallam University, S10 2LW

ABSTRACT


CRediT authorship contribution statement

Robert A. Smith: Conceptualization, Data Curation, Formal Analysis, Investigation, Methodology, Project Administration, Software, Visualization, Writing 1–Original Draft Preparation, Writing 1–Review & Editing. **Paul P. Schneider:** Conceptualization, Data Curation, Formal Analysis, Investigation, Methodology, Project Administration, Software, Visualization, Writing 1–Original Draft Preparation, Writing 1–Review & Editing. **Rami Cosulich:** Validation, Writing 1–Review & Editing, Writing 1–Original Draft Preparation. **Helen Quirk:** Writing 1–Review & Editing, Writing 1–Original Draft Preparation. **Alice M. Bullas:** Project Administration, Resources. **Steve J. Haake:** Project Administration, Resources, Writing 1–Review & Editing. **Elizabeth Goyder:** Supervision, Writing 1–Review & Editing.

* R.S., P.S. & R.C. are joint funded by the Wellcome Trust Doctoral Training Centre in Public Health Economics and Decision Science [108903] and the University of Sheffield. H.Q. is funded by an NIHR School of Public Health Research (SPHR) post-doctoral launching fellowship. The funders had no role in study design, data collection and analysis, decision to publish, or preparation of the manuscript.

** We would like to thank Mike Graney (Head of Analysis at parkrun) and Chrissie Wellington (Global Head of Health and Wellbeing at parkrun) for providing area level parkrun participation data.

*Corresponding author

 rasmith3@sheffield.ac.uk (R.A. Smith)

ORCID(s): 0000-0003-0245-3217 (R.A. Smith); 0000-0003-3552-1087 (P.P. Schneider); 0000-0003-2716-4681 (H. Quirk); 0000-0003-2857-4236 (A.M. Bullas); 0000-0002-4449-6680 (S.J. Haake); 0000-0003-3691-1888 (E. Goyder)

¹Joint first author