

STUART FAIRCLOUGH

Sport & Physical Activity

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Biography

Stuart is Professor of Physical Activity, Health, & Wellbeing and member of the senior management team in the Department of Sport and Physical Activity, where he oversees and teaches on the Physical Education and School Sport undergraduate degree programme. Stuart Chairs the Department Research Committee and is the Department Research and REF Coordinator.

Stuart joined Edge Hill in 2014 having previously worked at Liverpool Hope University (1998-2001) and Liverpool John Moores University (LJMU) (2001-2014) as a Senior Lecturer, Reader, and Professor. He was awarded his PhD from LJMU in 2005, having completed his MSc in Sports Science (1997) at Loughborough University, and BEd (Hons) in Physical Education (1994) at LJMU. He is a BASES Fellow and a BASES accredited sport and exercise scientist.

Qualifications

PhD, Liverpool John Moores University

1 Sept 2000 → 31 Oct 2005

Sports Science, MSc, Loughborough University

1 Sept 1997 → 1 Jul 1998

BEd, Other, Liverpool John Moores University

30 Sept 1990 → 31 Jul 1994

Fellow of the Higher Education Academy, FHEA

Employment

Prof of Phys Activity Health & Wellbeing

Sport & Physical Activity

Edge Hill University

1 Oct 2014 → present

Liverpool John Moores University

Liverpool, United Kingdom

1 Jan 2001 → 1 Jan 2014

Liverpool Hope University

United Kingdom

1 Jan 1998 → 1 Jan 2001

Research outputs

Associations between Intersecting Sociodemographic Characteristics and Device-Measured Physical Activity among Children and Adolescents living in the United States

Brown, D. M. Y., Summerville, B., Fairclough, S. J., Mielke, G. I. & Tyler, R., 27 Jan 2024, (E-pub ahead of print) SportRxiv, p. 1-10, 10 p. (Journal of Physical Activity and Health).

Investigating Ecological Momentary Assessed Physical Activity and Core Executive Functions in 18- to 24-Year-Old Undergraduate Students

Gilmour, A-M., MacDonald, M. J., Cox, A., Fairclough, S. J. & Tyler, R., 19 Oct 2023, In: International Journal of Environmental Research and Public Health. 20, 20, p. 1-17 6944.

S12-4 Feasibility evaluation of the Move Well, Feel Good movement behaviours intervention

Fairclough, S. J., Clifford, L., Foweather, L., Knowles, Z., Boddy, L. M., Ashworth, E. & Tyler, R., 11 Sept 2023, In: European Journal of Public Health. 33, Supplement_1, p. 1-1 ckad133.061.

Co-Creation of a School-Based Motor Competence and Mental Health Intervention: Move Well, Feel Good

Clifford, L., Tyler, R., Knowles, Z., Ashworth, E., Boddy, L., Fowweather, L. & Fairclough, S. J., 17 Aug 2023, In: *Children*. 10, 8, p. 1-22 1 p., 1403.

Characteristics of 24-hour movement behaviours and their associations with mental health in children and adolescents

Fairclough, S. J., Clifford, L., Brown, D. & Tyler, R., 2 Jun 2023, (E-pub ahead of print) In: *Journal of Activity, Sedentary and Sleep Behaviors*. 2, 1

A 24-h activity profile and adiposity among children and adolescents: Does the difference between school and weekend days matter?

Janda, D., Gába, A., Vencálek, O., Fairclough, S. J., Dygrýn, J., Jakubec, L., Rubín, L. & Muntaner Mas, A. (ed.), 18 May 2023, (E-pub ahead of print) In: *PLoS One*. 18, 5

Correction: Homes became the “everything space” during COVID-19: impact of changes to the home environment on children’s physical activity and sitting (*International Journal of Behavioral Nutrition and Physical Activity*, (2022), 19, 1, (134), 10.1186/s12966-022-01346-5)

Sheldrick, M. P. R., Swindell, N. J., Richards, A. B., Fairclough, S. J. & Stratton, G., 28 Apr 2023, In: *International Journal of Behavioral Nutrition and Physical Activity*. 20, 1, p. 54 54.

Reference values for wrist-worn accelerometer physical activity metrics in England children and adolescents

Fairclough, S. J., Rowlands, A. V., Del Pozo Cruz, B., Crotti, M., Fowweather, L., Graves, L. E. F., Hurter, L., Jones, O., MacDonald, M., McCann, D. A., Miller, C., Noonan, R. J., Owen, M. B., Rudd, J. R., Taylor, S. L., Tyler, R. & Boddy, L. M., 25 Mar 2023, (E-pub ahead of print) In: *International Journal of Behavioral Nutrition and Physical Activity*. 20, 1, 01435.

Exercise referral scheme participant characteristics, referral mode and completion status

Portman, R. M., Levy, A. R., Allen, S. F. & Fairclough, S. J., 17 Feb 2023, (E-pub ahead of print) In: *Health Education Journal*. 82, 3, p. 311-323 13 p.

Prevalence and correlates of compliance with 24-h movement guidelines among children from urban and rural Kenya—The Kenya-LINX project

Swindell, N., Wachira, L-J., Okoth, V., Kagunda, S., Owino, G., Ochola, S., Brophy, S., Summers, H., Richards, A., Fairclough, S. J., Onywera, V., Stratton, G. & Jaafar, Z. (ed.), 30 Dec 2022, (E-pub ahead of print) In: *PLoS One*. 17, 12

Associations between Hospitalization and Device-Assessed Physical Activity in a Representative Sample of Older Adults

Cruz, B. D. P., Alfonso-Rosa, R. M., López-Bueno, R., Fairclough, S. J., Rowlands, A. & Pozo-Cruz, J. D., 12 Dec 2022, (E-pub ahead of print) In: *Gerontology*.

Homes became the “everything space” during COVID-19: impact of changes to the home environment on children’s physical activity and sitting

Sheldrick, M. P. R., Swindell, N. J., Richards, A. B., Fairclough, S. J. & Stratton, G., 21 Oct 2022, (E-pub ahead of print) In: *International Journal of Behavioral Nutrition and Physical Activity*. 19, 1, 134.

Cross-sectional and longitudinal relationships between cardiorespiratory fitness and health-related quality of life in primary school children in England: the mediating role of psychological correlates of physical activity

Solera-Sanchez, A., Christian, D., Beltran-Valls, M-R., Adelantado-Renau, M., MARTIN-SMITH, RHONA., MACDONALD, MHAIRI., TYLER, RICHARD. & Fairclough, S. J., 13 Oct 2022, (E-pub ahead of print) In: *Perspectives in Public Health*.

The Feasibility and Acceptability of an Online CPD Programme to Enhance PE Teachers’ Knowledge of Muscular Fitness Activity

Cox, A., Noonan, R. J. & Fairclough, S. J., 25 Sept 2022, In: *International Journal of Environmental Research and Public Health*. 19, 19, 12132.

Cross-sectional associations between 24-hour activity behaviours and motor competence in youth: a compositional data analysis

Tyler, R., Atkin, A. J., Dainty, J. R., Dumuid, D. & Fairclough, S. J., 1 Sept 2022, (E-pub ahead of print) In: *Journal of Activity, Sedentary and Sleep Behaviors*. 1, 1, p. 3

The Physical Behaviour Intensity Spectrum and Body Mass Index in School-Aged Youth: A Compositional Analysis of Pooled Individual Participant Data

Fairclough, S. J., Hurter, L., Dumuid, D., Gába, A., Rowlands, A. V., Cruz, B. D. P., Cox, A., Crotti, M., Foweather, L., Graves, L. E. F., Jones, O., McCann, D. A., Noonan, R. J., Owen, M. B., Rudd, J. R., Taylor, S. L., Tyler, R. & Boddy, L. M., 19 Jul 2022, In: International Journal of Environmental Research and Public Health. 19, 14, p. e8778

PE teachers' perceived expertise and professional development requirements in the delivery of muscular fitness activity: PE Teacher EmPOWERment Survey

Cox, A., Noonan, R. J. & Fairclough, S. J., 2022, In: European Physical Education Review.

Is Foundational Movement Skill Competency Important for Keeping Children Physically Active and at a Healthy Weight?

Foulkes, J. D., Knowles, Z., Fairclough, S. J., Stratton, G., O'Dwyer, M. V. & Foweather, L., 23 Dec 2021, (E-pub ahead of print) In: International Journal of Environmental Research and Public Health. 19, 1, 105.

Sex-related differences in the association of fundamental movement skills and behavioral outcomes in children

Hill, P., McNarry, M., Lester, L., Foweather, L., Boddy, L. M., Fairclough, S. J. & Mackintosh, K. A., 15 Nov 2021, (E-pub ahead of print) In: Journal of Motor Learning and Development. DOI: <https://doi.org/10.1123/jmld.2020-0066>, 14 p.

Feasibility and Acceptability of a Classroom-based Active Breaks Intervention for 8-12-Year Old Children

McLellan, G., Arthur, R., Donnelly, S., Bakshi, A., Fairclough, S. J., Taylor, S. L. & Buchan, D. S., 8 Nov 2021, (E-pub ahead of print) In: Research Quarterly for Exercise and Sport. p. 1-12 12 p.

Adolescent time use and mental health: a cross-sectional, compositional analysis in the Millennium Cohort Study

Atkin, A. J., Dainty, J. R., Dumuid, D., Kontostoli, E., Shepstone, L., Tyler, R., Noonan, R., Richardson, C. & Fairclough, S. J., 5 Oct 2021, In: BMJ Open. 11, 10, p. e047189 e047189.

Co-developing peer interventions in health-related contexts. A case study from exercise referral

Portman, R. M., Levy, A. R., Maher, A. J. & Fairclough, S. J., 18 Sept 2021, (E-pub ahead of print) In: Health Education Journal.

Covid-19 lockdown. Ethnic differences in children's self-reported physical activity and the importance of leaving the home environment; a longitudinal and cross-sectional study from the Born in Bradford birth cohort study

Bradford Institute for Health Research COVID-19 Scientific Advisory Group, 6 Sept 2021, In: International Journal of Behavioral Nutrition and Physical Activity. 18, 1, p. 117

Cross-sectional associations between 24-hour activity behaviours and mental health indicators in children and adolescents: A compositional data analysis

Fairclough, S. J., Tyler, R., Dainty, J. R., Dumuid, D., Richardson, C., Shepstone, L. & Atkin, A. J., 18 Jul 2021, In: Journal of Sports Sciences. 39, 14, p. 1602-1614 13 p.

School-based interventions modestly increase physical activity and cardiorespiratory fitness but are least effective for youth who need them most: an individual participant pooled analysis of 20 controlled trials

Hartwig, T. B., Sanders, T., Vaconcellos, D., Noetel, M., Parker, P. D., Lubans, D. R., Andrade, S., Ávila-García, M., Bartholomew, J., Belton, S., Brooks, N. E., Bugge, A., Cavero-Redondo, I., Christiansen, L. B., Cohen, K., Coppinger, T., Dyrstad, S., Errisuriz, V., Fairclough, S., Gorely, T., & 29 others Javier Huertas-Delgado, F., Issartel, J., Kriemler, S., Kvalø, S. E., Marques-Vidal, P., Martinez-Vizcaino, V., Møller, N. C., Moran, C., Morris, J., Nevill, M., Ochoa-Avilés, A., O'Leary, M., Peralta, L., Pfeiffer, K. A., Puder, J., Redondo-Tébar, A., Robbins, L. B., Sanchez-Lopez, M., Tarp, J., Taylor, S., Tercedor, P., Toftager, M., Villa-González, E., Wedderkopp, N., Weston, K. L., Yin, Z., Zhixiong, Z., Lonsdale, C. & Del Pozo Cruz, B., 1 Jul 2021, In: British journal of sports medicine. 55, 13, p. 721-729 9 p.

Foundational Movement Skills and Play Behaviors during Recess among Preschool Children: A Compositional Analysis

Foweather, L., Crotti, M., Foulkes, J. D., O'Dwyer, M. V., Utesch, T., Knowles, Z. R., Fairclough, S. J., Ridgers, N. D. & Stratton, G., 24 Jun 2021, In: Children. 8, 7

Personalised Accelerometer Cut-point Prediction for Older Adults' Movement Behaviours using a Machine Learning approach.

Nnamoko, N., Cabrera-Diego, L. A., Campbell, D., Sanders, G., Fairclough, S. J. & Korkontzelos, I., 18 May 2021, (E-pub ahead of print) In: *Computer Methods and Programs in Biomedicine*. 106165.

"It's just not something we do at school". Adolescent boys' understanding, perceptions and experiences of muscular fitness activity

Cox, A., Fairclough, S. J. & Noonan, R. J., 5 May 2021, In: *International Journal of Environmental Research and Public Health*. 18, 9, p. e4923 4923.

Multi-Stakeholder Retrospective Acceptability of a Peer Support Intervention for Exercise Referral

Portman, R., Levy, A., Maher, A. & Fairclough, S., 10 Feb 2021, (E-pub ahead of print) In: *International Journal of Environmental Research and Public Health*. 18, 4, p. 1-16 16 p., 1720.

JSS editorial: Physical activity, health and exercise

Boreham, C., de Sousa, I. F., Fairclough, S. & Gill, J. M. R., 3 Feb 2021, (E-pub ahead of print) In: *Journal of Sports Sciences*. p. 1-2 2 p.

Associations between 24-hour movement behaviours and motor competence in English primary school children

TYLER, RICHARD., Atkin, A. & Fairclough, S. J., 12 Sept 2020, p. 757. 1 p.

Investigating the Differences in Motor Competence Across Levels of Neighbourhood Deprivation in School Children

TYLER, RICHARD., Fairclough, S. J., Foweather, L., Mackintosh, K. A. & Stratton, G., 12 Sept 2020, p. 754. 1 p.

"I Wasn't Sure What It Meant to be Honest"-Formative Research towards a Physical Literacy Intervention for Preschoolers

Foulkes, J. D., Foweather, L., Fairclough, S. J. & Knowles, Z., 13 Jul 2020, In: *Children*. 7, 7, p. 76

Introduction to Physical Activity Measurement

Fairclough, S. J. & Noonan, R. J., 8 Apr 2020, *The Routledge Handbook of Youth Physical Activity*. Brusseau, T. A., Fairclough, S. & Lubans, D. (eds.). Routledge, p. 251-260 10 p. (Routledge International Handbooks).

Efficacy of School-Based Interventions for Improving Muscular Fitness Outcomes in Adolescent Boys: A Systematic Review and Meta-analysis

Cox, A., Fairclough, S. J., Kosteli, M-C. & Noonan, R. J., 1 Mar 2020, In: *Sports Medicine*. 50, 3, p. 543-560 18 p.

Using a multi-stakeholder experience-based design process to co-develop the Creating Active Schools Framework

Daly-Smith, A., Quarmby, T., Archbold, V. S. J., Corrigan, N., Wilson, D., Resaland, G. K., Bartholomew, J. B., Singh, A., Tjomsland, H. E., Sherar, L. B., Chalkley, A., Routen, A. C., Shickle, D., Bingham, D. D., Barber, S. E., van Sluijs, E., Fairclough, S. J. & McKenna, J., 7 Feb 2020, (E-pub ahead of print) In: *International Journal of Behavioral Nutrition and Physical Activity*. 17, 1, 13.

Cutpoint-free accelerometer metrics to assess children's physical activity: an example using the school day

Fairclough, S. J., Rowlands, A., TAYLOR, SARAH. & Boddy, L., 1 Jan 2020, In: *Scandinavian Journal of Medicine and Science in Sports*. 30, 1, p. 117-125 9 p.

Enhancing the value of accelerometer-assessed physical activity: meaningful visual comparisons of data-driven translational accelerometer metrics

Rowlands, A. V., Dawkins, N. P., Maylor, B., Edwardson, C. L., Fairclough, S. J., Davies, M. J., Harrington, D. M., Khunti, K. & Yates, T., 5 Dec 2019, (E-pub ahead of print) In: *Sports Medicine - Open*. 5, 1, p. 47 47.

The relationship between motor competence and core executive functions in typically developing school children

TYLER, RICHARD., Richardson, C. & Fairclough, S. J., 8 Nov 2019, p. 42. 1 p.

Activity Intensity, Volume, and Norms: Utility and Interpretation of Accelerometer Metrics

Rowlands, A., Fairclough, S. J., Yates, T., Edwardson, C. L., Davies, M. J., Munir, F., Khunti, K. & Stiles, V. H., 1 Nov 2019, In: *Medicine and Science in Sports and Exercise*. 51, 11, p. 2410-2422 13 p.

Calibration and Validation of the Youth Activity Profile as a Physical Activity and Sedentary Behaviour Surveillance Tool for English Youth

Fairclough, S. J., Christian, D. L., Saint-Maurice, P. F., Hibbing, P. R., Noonan, R. J., Welk, G. J., Dixon, P. M. & Boddy, L. M., 2 Oct 2019, (E-pub ahead of print) In: International Journal of Environmental Research and Public Health. 16, 19, p. 3711

A data-driven, meaningful, easy to interpret, standardised accelerometer outcome variable for global surveillance

Rowlands, A., Sherar, L. B., Fairclough, S. J., Yates, T., Edwardson, C. L., Harrington, D. M., Davies, M. J., Munir, F., Khunti, K. & Stiles, V. H., 1 Oct 2019, In: Journal of Science and Medicine in Sport. 22, 10, p. 1132-1138 7 p.

Investigating adolescent girls' perceptions and experiences of school-based physical activity to inform the Girls' Peer Activity (G-PACT) intervention study

Owen, M., Kerner, C., Newson, L., Noonan, R., Curry, W., Kosteli, M. C. & Fairclough, S., 30 Jun 2019, (E-pub ahead of print) In: Journal of School Health. 89, 9, p. 730-738

Average acceleration and intensity gradient of primary school children and associations with indicators of health and wellbeing

Fairclough, S. J., Taylor, S. L., Rowlands, A., Boddy, L. & Noonan, R., 1 Jun 2019, In: Journal of Sports Sciences.

Accelerometer and self-reported measures of sedentary behaviour and association with adiposity in UK youth

Fairclough, S. J., NOONAN, ROBERT., CHRISTIAN, DANIELLE., Boddy, L., Saint-Maurice, P. F., Welk, G. J. & Hibbing, P., 19 Apr 2019, (E-pub ahead of print) In: Journal of Sports Sciences.

A data-driven, meaningful, easy to interpret, population-independent accelerometer outcome variable for global surveillance

Rowlands, A. V., Sherar, L. B., Fairclough, S. J., Yates, T., Edwardson, C. L., Harrington, D. M., Davies, M. J., Munir, F., Khunti, K. & Stiles, V. H., 2019, In: bioRxiv. p. 604694

The backwards comparability of wrist worn GENEActiv and waist worn ActiGraph accelerometer estimates of sedentary time in children

Boddy, L., Noonan, R., Rowlands, A., Hurter, L., Knowles, Z. & Fairclough, S., 2019, In: Journal of Science and Medicine in Sport.

Establishing raw acceleration thresholds to classify sedentary and stationary behaviour in children

Hurter, L., Fairclough, S., Knowles, Z., Porcellato, L., Cooper-Ryan, A. & Boddy, L., 19 Dec 2018, (E-pub ahead of print) In: Children. 5, 12, p. 1-18

Process evaluation of a pilot multi-component physical activity intervention - Active Schools: Skelmersdale

Taylor, S., Noonan, R., Knowles, Z., Owen, M., McGrane, B., Curry, W. & Fairclough, S., 18 Dec 2018, (E-pub ahead of print) In: BMC Public Health. 18, 1383, p. 1-16

Acceptability and feasibility of single-component primary school physical activity and sedentary behaviour interventions to inform the AS:Sk project

Taylor, S., Curry, W., Noonan, R., Knowles, Z. & Fairclough, S., 17 Dec 2018, (E-pub ahead of print) In: Children. 5, 12, p. 1-19

Evaluation of wrist and hip sedentary behaviour and moderate-to-vigorous physical activity raw acceleration cutpoints in older adults

Sanders, G., Boddy, L., Sparks, A., Curry, W., Kaehne, A., Roe, B. & Fairclough, S., 17 Dec 2018, (E-pub ahead of print) In: Journal of Sports Sciences. p. 1-11

Social Disadvantage, Maternal Psychological Distress, and Difficulties in Children's Social-Emotional Well-Being

Noonan, R. & Fairclough, S., 11 Nov 2018, (E-pub ahead of print) In: Behavioral Sciences. 103, 8

A formative study exploring perceptions of physical activity and physical activity monitoring among children and young people with cystic fibrosis and health care professionals

Shelley, J., Fairclough, S., Knowles, Z., Southern, K., McCormack, P., Dawson, E., Graves, L. & Hanlon, C., 23 Oct 2018, (E-pub ahead of print) In: *BMC Pediatrics*. 18, 335, p. 1-16

Measuring physical activity behaviours and outcomes in children and adults

Fairclough, S. J., Noonan, R. J. & Curry, W. B., 18 Oct 2018, *Physical Activity: A Multi-disciplinary Introduction*. Routledge, p. 95-123 29 p. (Physical Activity).

Active Schools Skelmersdale: A multi-component intervention to promote primary school physical activity in a low socio-economic status community

Taylor, S., Noonan, R. J., Knowles, Z. R., McGrane, B., Curry, W. & Fairclough, S. J., 15 Oct 2018, p. S121-S122.

Calibration of the UK Youth Activity Profile

Christian, D., Saint-Maurice, P. F., Hibbing, P., Noonan, R. J., Boddy, L. M., Welk, G. J. & Fairclough, S. J., 15 Oct 2018, p. S39-S39.

Cross-sectional associations between body mass index and social-emotional wellbeing among differentially active children

Noonan, R. & Fairclough, S., 8 Oct 2018, (E-pub ahead of print) In: *The European Journal of Public Health*. p. 1-5

Comparability of children's sedentary time estimates derived from wrist worn GENEActiv and hip worn ActiGraph accelerometer thresholds

Boddy, L., Noonan, R., Hees, V. V., Welk, G., Knowles, Z. & Fairclough, S., 1 Oct 2018, In: *Journal of Science and Medicine in Sport*. 21, 10, p. 1045-1049 5 p.

The Feasibility and Acceptability of The Girls Peer Activity (G-PACT) Peer-led Mentoring Intervention

Owen, M., Kerner, C., Taylor, S. L., Noonan, R., Newson, L., Kosteli, M. C., Curry, W. & Fairclough, S., 19 Sept 2018, (E-pub ahead of print) In: *Children*. 5, 9, p. 128

Adiposity, fitness, health-related quality of life and the reallocation of time between children's school day activity behaviours: a compositional data analysis

Fairclough, S. J., Dumuid, D., Mackintosh, K. A., Stone, G., Dagger, R., Stratton, G., Davies, I. & Boddy, L. M., 1 Sept 2018, In: *Preventive Medicine Reports*. 11, p. 254-261 8 p.

Using formative research with older adults to inform a community physical activity programme: Get Healthy, Get Active

Sanders, G.J., Roe, B., Knowles, Z.R., Kaehne, A. & Fairclough, S., 6 Jul 2018, (E-pub ahead of print) In: *Journal of Primary Health Care Research & Development*. p. 1-10

Is there a deprivation and maternal education gradient to child obesity and moderate-to-vigorous physical activity? Findings from the Millennium Cohort Study

Noonan, R. & Fairclough, S., Jul 2018, In: *Pediatric obesity*. 13, 7, p. 458-464 7 p.

Individual calibration of accelerometers in children and their health-related 2 implications

Boddy, L., Cunningham, C., Fairclough, S., Murphy, M., Breslin, G., Foweather, L., Dagger, R., Graves, L., Hopkins, N. & Stratton, G., 18 Jun 2018, In: *Journal of Sports Sciences*. 36, 12, p. 1340-1345

The Feasibility of a Novel School Peer-Led Mentoring Model to Improve the Physical Activity Levels and Sedentary Time of Adolescent Girls: The Girls Peer Activity (G-PACT) Project

Owen, M., Kerner, C., Taylor, S., Noonan, R., Newson, L., Kosteli, M. C., Curry, W. & Fairclough, S., 31 May 2018, (E-pub ahead of print) In: *Children*. 5, 6, p. 67

Evaluation of a Pilot School-Based Physical Activity Clustered Randomised Controlled Trial—ActiveSchools: Skelmersdale

Owen, M., Taylor, S., Noonan, R., Knowles, Z., McGrane, B., Curry, W. & Fairclough, S., 17 May 2018, (E-pub ahead of print) In: *International Journal of Environmental Research and Public Health*. 15, 5, p. 1011

Origins of perceived physical education ability and worth among English adolescents

Hilland, T., Ridgers, N., Stratton, G., Knowles, Z. & Fairclough, S., 1 May 2018, In: European Physical Education Review. 24, 2, p. 165-180 16 p.

Physical education contributes to total physical activity levels and predominantly in higher intensity physical activity categories

Kerr, C., Smith, L., Charman, S., Harvey, S., Savory, L., Fairclough, S. & Govus, A., 1 May 2018, In: European Physical Education Review. 24, 2, p. 152-164 13 p.

Converting between estimates of moderate-to-vigorous physical activity derived from raw accelerations measured at the wrist and from ActiGraph counts measured at the hip: The Rosetta Stone

Brazendale, K., Beets, M. W., Rowlands, A. V., Chandler, J. L., Fairclough, S. J., Boddy, L. M., Olds, T. S., Parfitt, G., Noonan, R., Downs, S. J. & Cliff, D. P., 30 Apr 2018, (E-pub ahead of print) In: Journal of Sports Sciences. p. 1-5

Fit "n" Cool Kids: Effects of Peer-Modeling and Goal Setting on Physical Activity

Larson, J. N., Brusseau, T. A., Newton, M. M., Fairclough, S. J., Wengreen, H. & Hannon, J. C., 4 Apr 2018, In: Open Journal of Preventive Medicine. 08, 04, p. 85-94 10 p.

Assessing Physical Activity Promoting Practices in Secondary Physical Education: SOFIT

Weaver, R. G. & Fairclough, S. J., 20 Mar 2018, In: Research Quarterly for Exercise and Sport. 89, Supplement 1, p. A21-A22

Outcomes of the Y-PATH randomised controlled trial: can a school based intervention improve fundamental movement skill proficiency in adolescent youth?

McGrane, B., Belton, S., Fairclough, S., Powell, D. & Issartel, J., 21 Jan 2018, (E-pub ahead of print) In: Journal of Physical Activity and Health. 15, 2, p. 89-98

The Effectiveness of School-Based Physical Activity Interventions for Adolescent Girls: A Systematic Review and Meta-analysis

Owen, M., Curry, W., Kerner, C., Newsome, L. & Fairclough, S., Dec 2017, In: Preventive Medicine. 105, p. 237-249 13 p.

Comparison of children's free-living physical activity derived from wrist and hip raw accelerations during the segmented week

Noonan, R., Boddy, L. M., Kim, Y., Knowles, Z. R. & Fairclough, S., 2 Nov 2017, In: Journal of Sports Sciences. 35, 21, p. 2067-2072 6 p.

The CHANGE! Project: Changes in body composition and cardiorespiratory fitness in 10-11 year old children after completing the CHANGE! Intervention

Dagger, R., Davies, I., Mackintosh, K., Stone, G., George, K., Fairclough, S. & Boddy, L., 10 Oct 2017, In: Pediatric Exercise Science. 30, 1, p. 819-89

Validation of an observation tool to assess physical activity promoting physical education lessons in high schools: SOFIT+

Fairclough, S., Weaver, R. G., Johnson, S. & Rawlinson, J., 2 Oct 2017, (E-pub ahead of print) In: Journal of Science and Medicine in Sport.

Fitness, Fatness and Active School Commuting among Liverpool Schoolchildren

Noonan, R., Boddy, L. M., Knowles, Z. R. & Fairclough, S., 31 Aug 2017, (E-pub ahead of print) In: International Journal of Environmental Research and Public Health. 14, 9, p. 995

One size does not fit all: contextualising family physical activity using a write, draw, show and tell approach

Noonan, R., Fairclough, S., Knowles, Z. & Boddy, L., 14 Jul 2017, In: Children. 4, 7, p. 59

Predictors of segmented school day physical activity and sedentary time in children from a northwest England low income community

Taylor, S.L., Curry, W., Knowles, Z.R., Noonan, R., McGrane, B. & Fairclough, S., 16 May 2017, (E-pub ahead of print) In: International Journal of Environmental Research and Public Health. 14, 5, p. 534

Fitness, fatness and the reallocation of time between children's daily movement behaviours: an analysis of compositional data

Fairclough, S., Dumuid, D., Taylor, S., Curry, W., McGrane, B., Stratton, G., Maher, C. & Olds, T., 10 May 2017, In: International Journal of Behavioral Nutrition and Physical Activity. 14, 1, p. 1-12 64.

The physical education predisposition scale: preliminary tests of reliability and validity in Australian students.

Hilland, T., Brown, T. & Fairclough, S., 30 Mar 2017, (E-pub ahead of print) In: Journal of Sports Sciences. 36, 4, p. 384-392

A machine learning approach to measure and monitor physical activity in children

Fergus, P., Hussain, A. J., Hearty, J., Fairclough, S., Boddy, L., Mackintosh, K., Stratton, G., Ridgers, N., Al-Jumeily, D., Aljaaf, A. J. & Lunn, J., 8 Mar 2017, In: Neurocomputing. 228, p. 220-230

Effect of a 6-Week Active Play Intervention on Fundamental Movement Skill Competence of Preschool Children.

Foulkes, J. D., Knowles, Z., Fairclough, S., Stratton, G., O'Dwyer, M., Ridgers, N. D. & Fowweather, L., 10 Jan 2017, (E-pub ahead of print) In: Perceptual and Motor Skills. 124, 2, p. 393-412

Moving forward with backward compatibility: Translating wrist accelerometer data

Rowlands, A. V., Cliff, D. P., Fairclough, S., Boddy, L. M., Olds, T. S., Parfitt, G., Noonan, R. J., Downs, S., Knowles, Z. & Beets, M. W., 1 Nov 2016, In: Medicine & Science in Sports & Exercise. 48, 11, p. 2142-2149 8 p.

Physical activity patterns in youth with intellectual disabilities

Downs, S., Fairclough, S., Knowles, Z. R. & Boddy, L. M., 31 Oct 2016, In: Adapted Physical Activity Quarterly. 33, 4

A non-equivalent group pilot trial of a school-based physical activity and fitness intervention for 10–11 year old English children: born to move

Fairclough, S. J., McGrane, B., Sanders, G., Taylor, S., Owen, M. & Curry, W., 24 Aug 2016, In: BMC Public Health. 16, 1, p. 1-14

Parental perceptions of children's out-of-school physical activity and family-based physical activity interventions

Noonan, R., Boddy, L., Fairclough, S. & Knowles, Z., 16 Jun 2016, (E-pub ahead of print) In: Early Child Development and Care. 187, 12, p. 1909-1924

Effect of a sport-for-health intervention (SmokeFree Sports) on intentions to smoke and smoking-related cognitions among 9-10 year old primary school children: a controlled trial

McGee, C., Trigwell, J., Fairclough, S., Murphy, R., Porcellato, L., Ussher, M. & Fowweather, L., 26 May 2016, (E-pub ahead of print) In: BMC Public Health. 16, 445

Write, draw, show, and tell: A child-centred dual methodology to explore perceptions of out of school physical activity

Noonan, R., Boddy, L. M., Fairclough, S. & Knowles, Z. R., 14 Apr 2016, In: BMC Public Health. 16, p. 326

A protocol to encourage accelerometer wear in children and young people

McCann, D., Knowles, Z. R., Fairclough, S. & Graves, L., 25 Mar 2016, (E-pub ahead of print) In: Qualitative Research in Sport, Exercise and Health. 16, p. 1-19

Wear compliance and activity in children wearing wrist and hip mounted accelerometers

Fairclough, S., Noonan, R., Rowlands, A., van Hees, V., Knowles, Z. & Boddy, L., 29 Feb 2016, (E-pub ahead of print) In: Medicine & Science in Sports & Exercise. 48, 2, p. 245-253 9 p.

Validity and reliability of a modified English version of the physical activity questionnaire for adolescents

Aggio, D., Fairclough, S., Knowles, Z. R. & Graves, L., 22 Jan 2016, (E-pub ahead of print) In: Archives of Public Health. 74, p. 3

Cross-sectional associations between high-deprivation home and neighbourhood environments, and health-related variables among Liverpool children

Noonan, R. J., Boddy, L. M., Knowles, Z. R. & Fairclough, S. J., 13 Jan 2016, (E-pub ahead of print) In: *BMJ Open*. 6, 1, p. e008693

The reported intakes of sugar sweetened beverages by 10-11 year old children participating in the CHANGE! healthy eating intervention

Stone, G., Davies, I. G., Dagger, R., Mackintosh, K., Fairclough, S. J. & Abayomi, J. C., 2016, *Not Known*. OCE3 ed. Vol. 75. p. E142 (Proceedings of the Nutrition Society).

Fundamental Movement Skills of Preschool Children in Northwest England

Foulkes, J., Knowles, Z., Fairclough, S. J., Stratton, G., O'Dwyer, M., Ridgers, N. D. & Fowweather, L., 1 Aug 2015, In: *Perceptual and Motor Skills*. 121, 1, p. 260-283 24 p.

Weekday and weekend sedentary time and physical activity in differentially active children

Fairclough, S. J., Boddy, L. M., Mackintosh, K., Valencia-Peris, A. & Ramirez-Rico, E., 31 Jul 2015, In: *Journal of Science and Medicine in Sport*. 18, 4, p. 444-449

Physical activity and play behaviours in children and young people with intellectual disabilities: A cross-sectional observational study

Boddy, L. M., Downs, S. J., Knowles, Z. R. & Fairclough, S. J., 30 Mar 2015, (E-pub ahead of print) In: *School Psychology International*. 36, 2, p. 154-171

Influence of family and friend on intentions to smoke and smoking-related attitudes, intentions and refusal self-efficacy among 9-10 year old children from deprived neighbourhoods: a cross-sectional study

McGee, C. E., Trigwell, J., Fairclough, S. J., Murphy, R. C., Porcellato, L. A., Ussher, M. & Fowweather, L., 7 Mar 2015, (E-pub ahead of print) In: *BMC Public Health*. 15, p. 1-11

Physical activity levels and motivational responses of boys and girls: A comparison of direct instruction and Tactical Games Models of games teaching in physical education

Smith, L., Harvey, S., Savory, L., Fairclough, S. J., Kozub, S. & Kerr, C., 1 Feb 2015, In: *European Physical Education Review*. 21, 1, p. 93-113

Patterns of objectively measured moderate-to-vigorous physical activity in preschool children

O'Dwyer, M. V., Fairclough, S. J., Ridgers, N. D., Knowles, Z. R., Fowweather, L. & Stratton, G., 31 Aug 2014, (E-pub ahead of print) In: *Journal of Physical Activity and Health*. 11, 6, p. 1233-1238

Weekday and weekend patterns of physical activity and sedentary time among Liverpool and Madrid youth

Ramirez-Rico, E., Hilland, T. A., Fowweather, L., Fernandez-Garcia, E. & Fairclough, S. J., 2014, In: *European Journal of Sport Science*. 14, 3, p. 287-293

Weekday and weekend physical activity patterns of French and Spanish adolescents

Aibar, A., Bois, J., Casterad, J. Z., Paillard, T. & Fairclough, S. J., 2014, In: *European Journal of Sports Science*. 14, 5, p. 500-509

Cardiorespiratory fitness predicts clustered cardiometabolic risk in 10-11.9 year olds

Houston, E., Baker, J. S., Buchan, D. S., Stratton, G., Fairclough, S. J., Fowweather, L., Gobbi, R., Graves, L., Hopkins, N. & Boddy, L. M., 2013, In: *European Journal of Pediatrics*. 172, 7, p. 913-918

Does biological maturity actually confound gender-related differences in physical activity in preadolescence?

Guinhouya, B., Fairclough, S. J., Zitouni, D., Samouda, H., Vilhelm, C., Zgaya, H., de Beaufort, C., Lemdani, M. & Hubert, H., 2013, In: *Child: Care, Health, and Development*. 39, 6, p. 835-844

Exploring opportunities available and perceived barriers to physical activity engagement in children and young people with Down syndrome

Downs, S. J., Boddy, L. M., Knowles, Z. R., Fairclough, S. J. & Stratton, G., 2013, In: *European Journal of Special Needs Education*. 28, 3, p. 270-287

Promoting healthy weight in primary school children through physical activity and nutrition education. A pragmatic evaluation of the CHANGE! randomised intervention study

Fairclough, S. J., Stratton, G., Gobbi, R., Mackintosh, K. A., Warburton, G. L., Hackett, A. F., Davies, I. G. & Boddy, L. M., 2013, In: *BMC Public Health*. 13, p. 626

A Calibration Protocol for Population-Specific Accelerometer Cut-Points in Children

Mackintosh, K. A., Fairclough, S. J., Stratton, G. & Ridgers, N. D., 2012, In: *PLoS ONE*. 7, 5, p. 1-6

Accelerometry assessed sedentary behaviour and physical activity levels during the segmented school day in 10 to 14 year old children

Bailey, D. P., Fairclough, S. J., Savory, L., Denton, S. J., Pang, D. & Kerr, C. J., 2012, In: *European Journal of Pediatrics*. 171, 12, p. 1805-1813

A computer-based observational analysis of physical education teachers and youth sport coaches pedagogic behaviour

Roberts, S. J., Fairclough, S. J., Rylie, A. & Sharpe, L., 2012, In: *International Journal of Performance Analysis in Sport*. 12, 3, p. 498-506

A Five-stage process for the development and validation of a systematic observation instrument: The System for Observing the Teaching of Games in Physical Education (SOTG-PE)

Roberts, S. J. & Fairclough, S. J., 2012, In: *European Physical Education Review*. 18, 1, p. 97-113

"Am I able? Is it worth it?" Adolescent girls' motivational predispositions to school physical education: Associations with health-enhancing physical activity

Fairclough, S. J., Hilland, T. A., Ridgers, N. D. & Stratton, G., 2012, In: *European Physical Education Review*. 18, 2, p. 147-158

An observational assessment of physical activity levels and social behaviour during elementary school recess

Roberts, S. J., Fairclough, S. J., Ridgers, N. D. & Porteous, C., 2012, In: *Health Education Journal*. 72, p. 254-262

Changes in cardiorespiratory fitness in 9- to 10.9yr- old children: SportsLinx 1998-2010.

Boddy, L. M., Fairclough, S. J., Hackett, A. F. & Stratton, G., 2012, In: *Medicine and Science in Sports and Exercise*. 44, 3, p. 481-486

Clustered cardiometabolic risk, cardiorespiratory fitness and physical activity in 10-11 year old children. The CHANGE! Project baseline.' Archives of Exercise in Health and Disease

Gobbi, R., Davies, I. G., Fairclough, S. J., Mackintosh, K. A., Warburton, G. L., Stratton, G., George, K. P., Hackett, A. F. & Boddy, L. M., 2012, In: *Archives of Exercise in Health and Disease*. 3, 3, p. 207-213

Correlates of children's moderate and vigorous physical activity during weekdays and weekends

Fairclough, S. J., Ridgers, N. D. & Welk, G. J., 2012, In: *Journal of Physical Activity and Health*. 9, 1, p. 129-137

Effect of a family focused active play intervention on sedentary time and physical activity in preschool children.

O'Dwyer, M., Fairclough, S. J., Knowles, Z. R. & Stratton, G., 2012, In: *International Journal of Behavioral Nutrition and Physical Activity*. 9, p. 117

Macronutrient intake and relations to cardiometabolic risk in 10 to 11 year old children: The CHANGE! Project

Gobbi, R., Abayomi, J., Warburton, G., Mackintosh, K., Fairclough, S. J., Boddy, L. M. & George, K., 2012, *Proceedings of the Nutrition Society*. Cambridge University Press, p. no pagination (Proceedings of the Nutrition Society; vol. 71).

Macronutrient intake and relations to physical activity and sedentary behaviour in 10-11 year old children: The CHANGE! Project

Gobbi, R., Abayomi, J., Warburton, G., Mackintosh, K., Fairclough, S. J., Boddy, L. M. & George, K., 2012, *Proceedings of the Nutrition Society*. Cambridge University Press, p. no pagination (Proceedings of the Nutrition Society; vol. 71).

ROC generated thresholds for field-assessed cardiorespiratory fitness related to body size and cardiometabolic risk in schoolchildren

Boddy, L. M., Thomas, N., Fairclough, S. J., Tolfrey, K., Brophy, S., Rees, A., Knox, G., Baker, J. & Stratton, G., 2012, In: *PLoS ONE*. 7, 9, p. 1-5

School day segmented physical activity patterns of high and low active children

Fairclough, S. J., Beighle, A., Erwin, H. & Ridgers, N. D., 2012, In: *BMC Public Health*. 12, p. 406

The Influence of Relative Age Effect in the Assessment of High School Students in Physical Education in the United Kingdom

Roberts, S. J. & Fairclough, S. J., 2012, In: *Journal of Teaching in Physical Education*. 31, 1, p. 56-70

The Influence of Relative Age Effects in Representative Youth Rugby Union in the North West of England

Roberts, S. J. & Fairclough, S. J., 2012, In: *Asian Journal of Exercise and Sports Science*. 9, 2, p. 86-98

The influence of relative age effects on the cardiorespiratory fitness levels of children age 9 to 10 and 11 to 12 years of age

Roberts, S. J., Boddy, L. M., Fairclough, S. J. & Stratton, G., 2012, In: *Pediatric Exercise Science*. 24, 1, p. 72-83

Using formative research to develop the healthy eating component of the CHANGE! school-based curriculum intervention

Boddy, L. M., Knowles, Z. R., Davies, I. G., Warburton, G. L., Houghton, L. & Fairclough, S. J., 2012, In: *BMC Public Health*. 12, p. 1-10

Weight status associations with physical activity intensity and physical self-perceptions in 10-11 year old children

Fairclough, S. J., Boddy, L. M., Ridgers, N. D. & Stratton, G., 2012, In: *Pediatric Exercise Science*. 24, 1, p. 100-112

Assessing free-living physical activity using accelerometry: Practical issues for researchers and practitioners

Ridgers, N. D. & Fairclough, S. J., 2011, In: *European Journal of Sport Science*. 11, 3, p. 205-213

Biological maturity and primary school children's physical activity: Influence of different physical activity assessment instruments

Fairclough, S. J., Boddy, L. M., Ridgers, N. D., Cumming, S. P. & Stratton, G., 2011, In: *European Journal of Sport Science*. 11, 4, p. 241-248

Observational analysis of student activity modes, lesson contexts and teacher interactions during games classes in high school (11—16 years) physical education

Roberts, S. J. & Fairclough, S. J., 2011, In: *European Physical Education Review*. 17, 2, p. 255-268

Using formative research to develop CHANGE!: a curriculum-based physical activity promoting intervention

Mackintosh, K. A., Knowles, Z. R., Ridgers, N. D. & Fairclough, S. J., 2011, In: *BMC Public Health*. 11, p. 831

Promoting health-enhancing physical activity in the primary school: A pilot evaluation of the BASH health-related exercise initiative

Fairclough, S. J., Stratton, G. & Butcher, Z. H., 30 Jun 2008, In: *Health Education Research*. 23, 3, p. 576-81

Perceptions of athletic competence and fear of negative evaluation during physical education

Ridgers, N. D., Fazey, D. M. A. & Fairclough, S. J., 24 Dec 2007, In: *British Journal of Educational Psychology*. 77, 2, p. 339-349

Long-term effects of a playground markings and physical structures on children's recess physical activity levels
Ridgers, N. D., Stratton, G., Fairclough, S. J. & Twisk, J. W. R., 31 May 2007, In: Preventive Medicine. 44, 5, p. 393-397

Girls' and boys' perceptions of physical education teachers' feedback: Effects on performance and psychological responses
Nicaise, V., Bois, J. E., Fairclough, S. J., Amorose, A. J. & Cogérino, G., 1 May 2007, In: Journal of Sports Sciences. 25, 8, p. 915-926

Children's physical activity levels during school recess: A quasi-experimental intervention study
Ridgers, N. D., Stratton, G., Fairclough, S. J. & Twisk, J. W. R., 2007, In: International Journal of Behavioral Nutrition and Physical Activity. 4, 19.

Activities

UK Chief Medical Officers Expert Committee for Surveillance (Event)
STUART FAIRCLOUGH (Chair)
2 Mar 2020 → 30 Sept 2021

Higher Education Funding Council for England (External organisation)
STUART FAIRCLOUGH (Member)
2019 → 2021

Higher Education Funding Council for England (External organisation)
STUART FAIRCLOUGH (Member)
2019 → 2021

Department of Health (External organisation)
STUART FAIRCLOUGH (Member)
2018 → 2019

UK Government (External organisation)
STUART FAIRCLOUGH (Member)
2018 → ...

International Journal of Environmental Research and Public Health (Journal)
STUART FAIRCLOUGH (Member of editorial board)
2017 → ...

Journal of Sports Sciences (Journal)
STUART FAIRCLOUGH (Editor)
2017 → ...

National Institute for Health Research (External organisation)
STUART FAIRCLOUGH (Member)
2017 → 2020

University of Cambridge (External organisation)
STUART FAIRCLOUGH (Member)
2017 → ...

External Evaluator at Qatar University
STUART FAIRCLOUGH (Examiner)
2016 → ...

Department of Health (External organisation)
STUART FAIRCLOUGH (Member)
Sept 2015 → Jan 2016

Department of Health (External organisation)
STUART FAIRCLOUGH (Member)
2015 → 2016

National Institute for Health and Care Excellence (External organisation)
STUART FAIRCLOUGH (Member)
2014 → 2015

External Examiner at Loughborough University
STUART FAIRCLOUGH (Examiner)
2013 → 2015

External Examiner at Leeds Metropolitan University
STUART FAIRCLOUGH (Examiner)
2006 → 2009

External Examiner at University of Central Lancashire
STUART FAIRCLOUGH (Examiner)
2006 → 2010

External Advisor at University of Central Lancashire
STUART FAIRCLOUGH (Examiner)
2004 → 2006

Awards

Impacts