

The new exercise trend that's made for everyone

February 21 2019



Adult walking up stairs. Credit: Pixabay

Bringing the science of high intensity interval training (HIIT) into everyday life could be the key to helping unfit, overweight people get more of the exercise they need to improve their health, according to an

international research team.

From washing the car to climbing stairs or carrying groceries, each of these activities is an opportunity for short sharp bursts of 'High Intensity Incidental Physical Activity', HIIPA for short.

"Regular incidental activity that gets you huffing and puffing even for a few seconds has great promise for health," said Emmanuel Stamatakis, Professor of Physical Activity, Lifestyle and Population Health in the University of Sydney's Charles Perkins Centre and School of Public Health.

In an editorial, published today in the *British Journal of Sports Medicine*, Stamatakis and colleagues argue that when considering differences in physical capabilities by age, sex and weight, many daily tasks can be classified as 'high intensity' physical activity. That is, the kind of activity that gets you out of breath enough to boost your fitness.

They say incorporating these kinds of activities into routines a few times a day will see significant health benefits for the majority of adults.

For the typical middle-aged Australian woman, 60 percent of whom are overweight and/or unfit activities like running and playing with children at children's pace, walking uphill or riding home from work all expend well over six times as much energy per minute than when at rest, which is the standard measure for high intensity activity.

The authors suggest over the course of the day these activities could be used in the same way that the popular high intensity interval training (HIIT) works by repeating short sessions of high intensity exercise with rests in between.

"There is a lot of research telling us that any type of HIIT, irrespective

of the duration and number of repetitions is one of the most effective ways to rapidly improve fitness and cardiovascular health and HIIPA works on the same idea," said Professor Stamatakis.

The authors propose that significant health benefits could be gained by doing three to five brief HIIPA sessions totalling as little as five to 10 minutes a day, most days of the week.

"We know from several large studies of middle aged and older adults that doing vigorous exercise has great long-term health benefits, but many people find it very difficult to start and stick to an exercise program," added Professor Stamatakis.

"The beauty of HIIPA and the idea of using activities we are already doing as part of [everyday life](#) is that it is much more realistic and achievable for most people.

"The time commitment for HIIPA is close to zero minutes per day, and people could save even more time if their HIIPA involves brief walking sprints, or taking the stairs instead of waiting for the lift.

"Other practical advantages are nil costs, no need for equipment and no concerns about a lack of skill or fitness.

"It's just about making good decisions like parking the car at the edge of the carpark and carrying shopping for 50 or 100 metres."

The editorial, co-authored by academics from the University of Sydney, Loughborough University, University College London, Norwegian University of Science and Technology, and the National Research Centre for the Working Environment (Denmark), was prompted by recent changes to the 2018 US Physical Activity Guidelines, the most comprehensive review of physical activity and [health](#).

In a significant change, the requirement that physical activity occur in bouts of at least 10 minutes was eliminated from the guidelines—a change Professor Stamatakis said is very welcome considering there was never any scientific basis for the requirement.

More information: Emmanuel Stamatakis et al, Short and sporadic bouts in the 2018 US physical activity guidelines: is high-intensity incidental physical activity the new HIIT?, *British Journal of Sports Medicine* (2019). [DOI: 10.1136/bjsports-2018-100397](https://doi.org/10.1136/bjsports-2018-100397)

Provided by University of Sydney

Citation: The new exercise trend that's made for everyone (2019, February 21) retrieved 24 April 2024 from <https://medicalxpress.com/news/2019-02-trend.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.