## EVERY STEP MATTERS. IT IS NEVER TOO LATE FOR ACTIVE AGEING

Afroditi Stathi

School of Sport, Exercise and Rehabilitation Sciences, University of Birmingham, UK

Email: A.Stathi@bham.ac.uk

## ABSTRACT

During old age, there is a population-wide transition from independence and adequate physical function towards frailty and an increased demand for health and social care support services.

Physical inactivity is one of the strongest predictors of mobility-related disability in older adults<sup>1</sup>.

Very few older people achieve the recommended 150 minutes of moderate-to-vigorous intensity physical activity [MVPA] each week. From a public health perspective, the greatest gains at a population level are likely to occur when moving from the current very low levels of PA to some activity.

Based on UK evidence from a range of observational and intervention studies <sup>2,3,4,5</sup>, I will demonstrate the importance of being active daily for maintaining physical and mental well-being in later life. I will discuss the recently published US and the forthcoming UK physical activity guidelines for older adults. I will then present a range of innovative, community-based active ageing interventions aiming at increasing daily activity, physical function and social connectedness.

I will conclude my talk by highlighting evidencebased strategies to increase the success of not only supporting older adults to become more active but equally, if not more important, to adhere to an active lifestyle <sup>1,6,7,8</sup>.

## REFERENCES

1. Stathi A, Western, M., De Koning, J., Perkin, O. & Withall, J. (2018). Implementing physical activity programmes for communitydwelling older people with early signs of physical frailty. In S. Nyman (Ed.). *The Palgrave Handbook of Ageing and Physical Activity Promotion*. Palgrave: Macmillan.

2. Stathi, A., Withall, J., Greaves, CJ., Thompson, JL., Taylor, G., Medina-Lara, A., et al. (In press). A community-based physical activity intervention to prevent mobility-related disability for retired older people (REtirement in ACTion [REACT]): study protocol for a randomised controlled trial. *Trials*.

3. Withall, J., Thompson, J. L., Fox, K. R., Davis, M., Gray, S., De Koning, J., (...) Stathi, A. (2016). Participant and public involvement in refining a peer-volunteering active aging intervention: Project ACE (Active, Connected, Engaged). *The Gerontologist*. https://doi.org/10.1093/geront/gnw148

4. Fox, K.R., Ku, P.-W., Hillsdon, M., Davis, M. G., Simmonds, B., Thompson, J.L., Stathi, A., et al. (2015). Objectively assessed physical activity and lower limb function and prospective associations with mortality and newly diagnosed disease in UK older adults: an OPAL four-year follow-up study. *Age and Ageing, 44 (2)*, pp. 261-268.

5. Simmonds, B., Fox, K., Davis, M., Ku, P-W., Gray, S., Hillsdon, M., Sharp, D., Stathi, A., et al. (2014). Objectively Assessed Physical Activity and Subsequent Health Service Use of UK Adults Aged 70 and Over: A Four to Five Year Follow Up Study. *PLoS ONE*, *9*(*5*), [e97676]. 10.1371/journal.pone.0097676

6. Withall, J., Stathi, A., Davis, M., Coulson, J., Thompson, J. L., & Fox, K. R. (2014). Objective indicators of physical activity and sedentary time and associations with subjective well-being in adults aged 70 and over. *International Journal of Environmental Research and Public Health*, 11(1), 643-656. 10.3390/ijerph110100643

7. Hinckson, E., Schneider, M., Winter, S. J., Stone, E., Puhan, M., Stathi, A., et al. (2017). Citizen Science applied to building healthier community environments: advancing the field through shared construct and measurement development. *International Journal of Behavioral Nutrition and Physical Activity.* 14, 133.

8. Stathi, A., Gilbert, H., Fox, K. R., Coulson, J., Davis, M., & Thompson, J. L. (2012). Determinants of neighborhood activity of adults age 70 and over: A mixed-methods study. *Journal of Aging and Physical Activity*, 20(2), 148-170.

## DISCLOSURE STATEMENT

This work was supported by the UK Medical Research Council and the UK NIHR- Public Health Research programme [PHR - 13/164/51]