

EOSIG Newsletter June 2023

And some news from around the world:

Updates from Centre for Economics of Obesity, University of Birmingham (UK) International Health Economics Association – Cape Town:

UK Society for Behavioural Medicine:

In March 2023, Emma Frew gave a keynote address at the UK Society for Behavioural Medicine <https://uksbm.org.uk/> annual conference on ‘Using economics to adopt a systems approach for obesity – what’s it worth?’

Visiting MSc student:

The Centre are delighted to host a visiting MSc student from University of Maastricht – Nienke de Graef – supervised by Dr Irina Pokhilenko, Nienke is doing her MSc dissertation reviewing literature to identify the mental health costs associated with obesity.

Stakeholder Engagement

The Centre for Economics of Obesity met with their Stakeholder Advisory Group on Tuesday 16th May 2023. With representatives from Sustans, Food Foundation, Sport England, Birmingham Health Partners and the West Midlands Combined Authority – it was a key opportunity to network and to gain their feedback on the Centre’s research progress and next steps:



New projects:

SALIENT Programme:

The Centre for Economics of Obesity has recently joined a £6.8 million consortium to transform the English food system and encourage healthier diets. Co-led by University of

Oxford and University of Cambridge, this is a partnership with academic and innovation partners to run food system trials to evaluate interventions to assess effectiveness in encouraging healthier and more sustainable diets. Funded by UK Government Evaluation Accelerator Fund, the Department for Environment, Food and Rural Affairs, and the Food Standards Agency.

EUniWell Programme

As part of the EuniWell scheme <https://www.euniwell.eu/>, the Centre for Economics of Obesity recently hosted an incubator workshop with the University of Nantes, University of Florence, Semmelweis University and Linnaeus University, to discuss how food provision on university campus influences people's eating habits. Led by Dr Irina Pokhilenko, this project will seek to understand the preferences of staff and students towards food served on campus, using a discrete choice methodology, and will use the insights to inform how Universities can act as 'anchor institutions' within a wider city food system.



Welcome to Dr Bassit Malik:

Bassit joined the Centre for Economics of Obesity in November 2022 as a PhD student funded by the NIHR School for Public Health Research. The focus of his PHD will be to model the social care costs of obesity, a topic that has been identified by our stakeholder partners as highly relevant.

Recent publications from around the world

USA

Luke E. Barry, Frank Kee, Jayne Woodside, Mike Clarke, John Cawley, Edel Doherty, Grainne E. Crealey, Jim Duggan, Ciaran O'Neill. An umbrella review of the effectiveness of fiscal and pricing policies on food and non-alcoholic beverages to improve health.

<https://doi.org/10.1111/obr.13570>.

Jackson KE, Hamad R, Karasek D, White JS. "Sugar-sweetened beverage taxes and perinatal health: A quasi-experimental study." *American Journal of Preventive Medicine*.

<https://doi.org/10.1016/j.amepre.2023.03.016>.

White JS, Basu S, Kaplan S, Madsen KA, Villas-Boas SB, Schillinger D. "Evaluation of the sugar-sweetened beverage tax in Oakland, United States, 2015-2019: A quasi-experimental and cost-effectiveness study." *PLoS Medicine* 20(4): e1004212, 2023.

<https://journals.plos.org/plosmedicine/article?id=10.1371/journal.pmed.1004212>.

Estimating the health impacts of sugar-sweetened beverage tax for informing policy decisions about the obesity burden in Vietnam. *PLoS One*. 2023 Apr 4;18(4):e0274928.

<https://doi.org/10.1371/journal.pone.0274928>.

Changes in Dental Outcomes After Implementation of the Philadelphia Beverage Tax, *American Journal of Preventive Medicine*, 2023, <https://doi.org/10.1016/j.amepre.2023.02.009>.

Salgado Hernández, J.C., Ng, S.W. & Colchero, M.A. Changes in sugar-sweetened beverage purchases across the price distribution after the implementation of a tax in Mexico: a before-and-after analysis. *BMC Public Health* 23, 265 (2023).
<https://doi.org/10.1186/s12889-023-15041-y>.

From Australia

Cost-effectiveness of LiveLighter® - a mass media public education campaign for obesity prevention -
<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0274917>.

Consumer willingness to pay for healthier food products: A systematic review
<https://onlinelibrary.wiley.com/doi/full/10.1111/obr.13525>.

Hayes A, Raghunandan R, Killedar A, Smith S, Cvejic E, Howell M, Petrou S, Lancsar E, Wong G, Craig J and Howard K. Reliability, acceptability, validity and responsiveness of the CHU9D and PedsQL in the measurement of quality of life in children and adolescents with overweight and obesity. *Accepted International Journal of Obesity*
<https://doi.org/10.1038/s41366-023-01305-5>.

Carrello J, Hayes A, Baur LA, Lung T. Potential cost-effectiveness of e-health interventions for treating overweight and obesity in Australian adolescents. *Pediatr Obes*. 2023 Apr;18(4):e13003. <https://onlinelibrary.wiley.com/doi/10.1111/ijpo.13003>.

Killedar A, Lung T, Taylor RW, Hayes A. Modelled Distributional Cost-Effectiveness Analysis of Childhood Obesity Interventions: A Demonstration. *Appl Health Econ Health Policy*. 2023 Jul;21(4):615-625. <https://link.springer.com/article/10.1007/s40258-023-00813-9>.

Killedar A, Lung T, Taylor RW, Taylor BJ, Hayes A. Is the cost-effectiveness of an early-childhood sleep intervention to prevent obesity affected by socioeconomic position? *Obesity (Silver Spring)*. 2023 Jan;31(1):192-202.
<https://onlinelibrary.wiley.com/doi/10.1002/oby.23592>.

UK

Candio P and **Frew E**. *How much behaviour change is required for the investment in cycling infrastructure to be sustainable? A break-even analysis*. *PLOS ONE*, 2023
<https://doi.org/10.1371/journal.pone.0284634>.

Candio, P., Mujica, F.P. & Frew, E. Socio-economic accounting of inequalities in excess weight: a population-based analysis. *BMC Public Health* 23, 721 (2023).
<https://doi.org/10.1186/s12889-023-15592-0>.

Aftentou N, Moore P, Hull K, Shepherd J, Elliot S, **Frew E**. *Inland waterways and population health and wellbeing: A cross-sectional study of waterway users in the UK*. *International Journal of Environmental Research and Public Health*. 2022, 19, 13809.
<https://doi.org/10.3390/ijerph192113809>

