

Foodscapes: latest trends and evidence

Dr Amelia Lake Reader in Public Health **Nutrition (Teesside University)**

Associate Director of Fuse



@lakenutrition

Diet and Health



BESITY

defusing the health time bomb

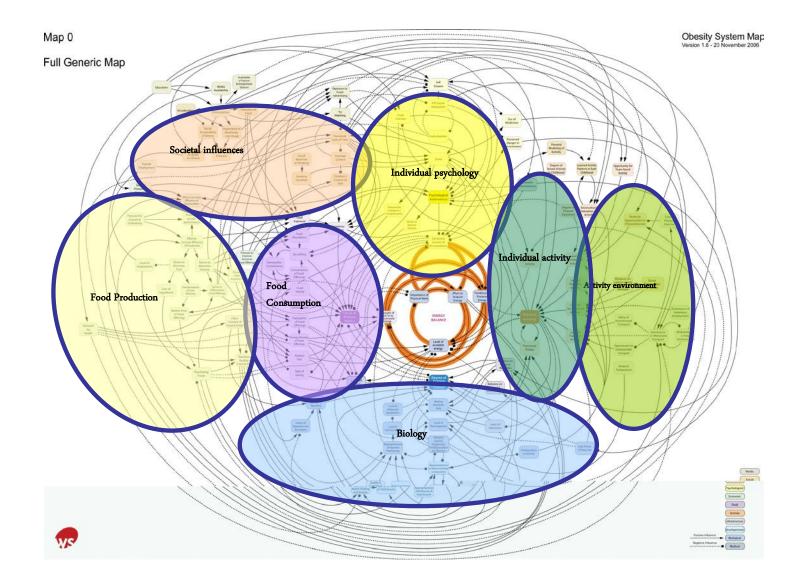












The Foodscape

The food environment, or 'foodscape', encompasses any opportunity to obtain food and includes physical, socio-cultural, economic and policy influences at both micro and macro-levels.

Townshend & Lake, 2009; Lake & Townshend, 2006











Food choice and eating behaviours are influenced by a multitude of factors from culture to personal preferences. The relationship between our food choices and the environment in which we make these choices is now widely acknowledged; from nudging and choice architecture to conceptualising how the local food environment influences eating behaviour.



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The Nutrition Society Summer Meeting was held at the Kings College, London on 10-12 July 2017

Conference on 'Improving nutrition in metropolitan areas' Symposium 3: Building a healthier environment

Neighbourhood food environments: food choice, foodscapes and planning for health

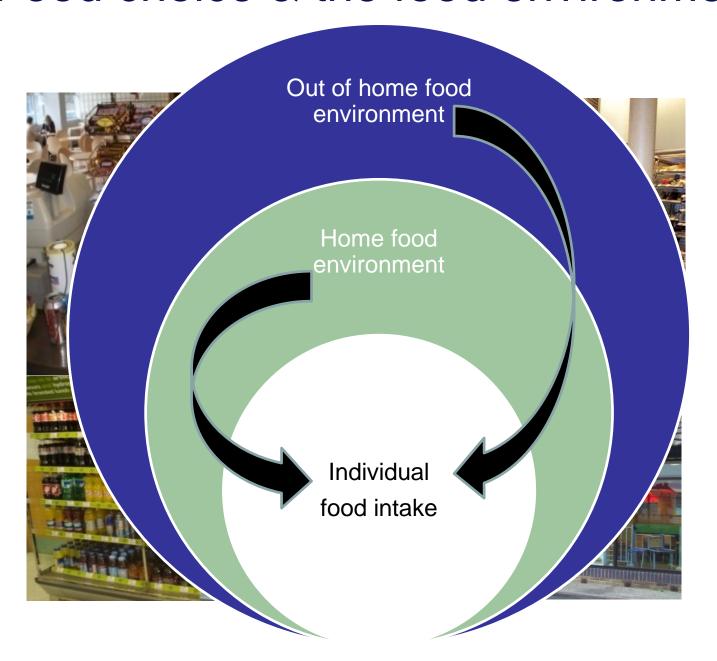
Amelia A Lake^{1,2}

¹Department of Science, School of Science, Engineering and Design, Teesside University, UK ²Fuse – UKCRC Centre for Translational Research in Public Health, UK The simple act of eating, one of the most basic & yet most complex of human behaviours, is determined through a series of policy & governance-driven decisions.



In Lake & Midgley 2010 p 177 in Lake, Townshend & Alvanides

Food choice & the food environment



The context

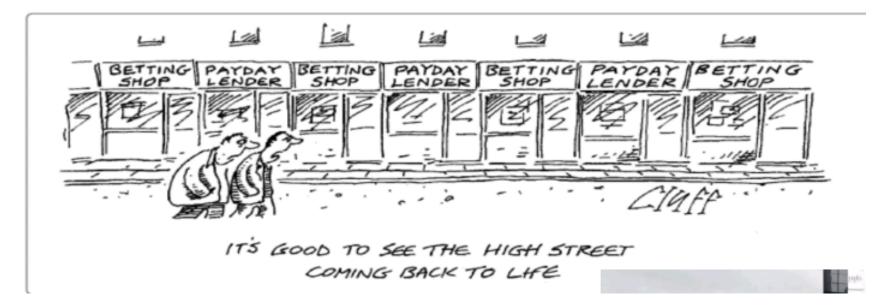
- Many decisions about food are automatic rather than reflective.
- There is a persistent inclination to overemphasise the importance of internal characteristics such as knowledge, while undervaluing the influence of external factors on human behaviour, which social psychologists term the fundamental attribution error
- Education about healthy diets isn't enough to change behaviour.
- Changes in the environmental cues to consumption are needed to change diet.
- External food cues may act on micro and macro levels.

Worldbank: "The complexity of the challenge explains why at an individual level, it is so difficult for people to "just eat less, and move more to lose weight," and why at a macro level, no country has fully succeeded in reversing the obesity trend".

http://blogs.worldbank.org/health/seeking-agriculture-related-solutions-obesity-increasing-problem-within-malnutrition

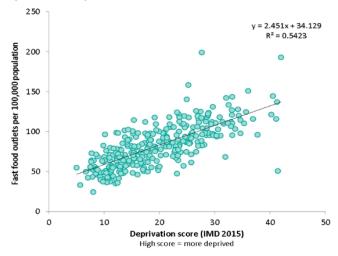


Townshend, T.G., 2017. Toxic high streets. Journal of Urban Design 22, 167-186.



Relationship between density of fast food outlets and deprivation

by local authority

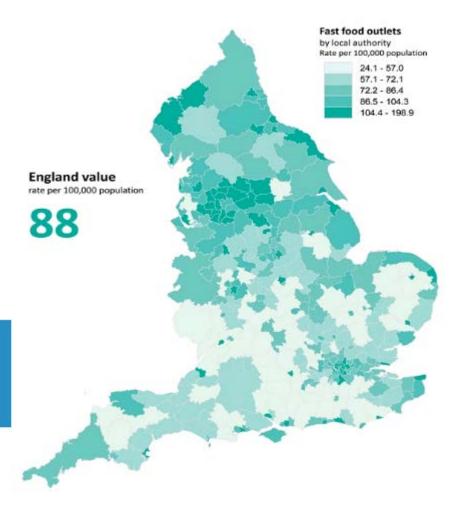


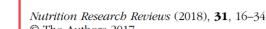


Guidance

Health matters: obesity and the food environment

Published 31 March 2017





Determinants of takeaway and fast food consumption: a narrative review

Hayley G. Janssen*, Ian G. Davies, Lucinda D. Richardson and Leonard Stevenson School of Sport Studies, Leisure and Nutrition, Liverpool John Moores University, Barkhill Road, Liverpool, Merseyside L17 6BD, UK

Abstract

Out-of-home foods (takeaway, take-out and fast foods) have become increasingly popular in recent decades and are thought to be a key driver in increasing levels of overweight and obesity due to their unfavourable nutritional content. Individual food choices and eating behaviours are influenced by many interrelated factors which affect the results of nutrition-related public health interventions. While the majority of research based on out-of-home foods comes from Australia, the UK and USA, the same issues (poor dietary habits and increased prevalence of non-communicable disease) are of equal concern for urban centres in developing economies undergoing 'nutrition transition' at a global scale. The present narrative review documents key facets, which may influence out-of-home food consumption, drawn from biological, societal, environmental, demographic and psychological spheres. Literature searches were performed and references from relevant papers were used to find supplementary studies. Findings suggest that the strongest determinants of out-of-home food availability are density of food outlets and deprivation within the built environment; however, the association between socio-economic status and out-of-home food consumption has been challenged. In addition, the biological and psychological drives combined with a culture where overweight and obesity are becoming the norm makes it 'fashionable' to consume out-of-home food. Other factors, including age group, ethnicity and gender demonstrate contrasting effects and a lack of consensus. It is concluded that further consideration of the determinants of out-of-home food consumption within specific populations is crucial to inform the development of targeted interventions to reduce the impact of out-of-home foods on public health.

Key words: Obesity: Dietary intake: Factors influencing consumption: Out-of-home foods

Academic evidence on the relationship between the food environment and health

- Challenging! For a number of reasons.
- Methodological issues
- Using secondary data
- Different ways of measuring area...
- Metrics and measurements
- Need to consider an individual's behaviour in space and time.

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Neighbourhood food environments: food choice, foodscapes and planning for health

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Protecting and improving the nation's health

Spatial Planning for Health An evidence resource for planning and designing healthier places

Food environment

The food environment plays an important role in promoting a healthy diet, but this is a complex system influenced and determined by a series of factors, including a person's proximity to food retail outlets and the type of food available. Vulnerable groups, including those on a low income, children, young people, those who are overweight or obese, and those of certain ethnicities, are less likely to achieve a healthy and balanced diet. To date, there is relatively limited good quality review level evidence on the influence of the food environment on health and wellbeing outcomes. However, existing evidence indicates that making healthier foods more accessible and increasing provision of low cost healthier food could be effective interventions, but these are likely to be more effective as part of a whole system approach to diet and obesity.



Healthier Foods

Quality of Evidence:

Impr

Improved

✔ Reduced

High Quality

→ Medium Quality

Low Quality

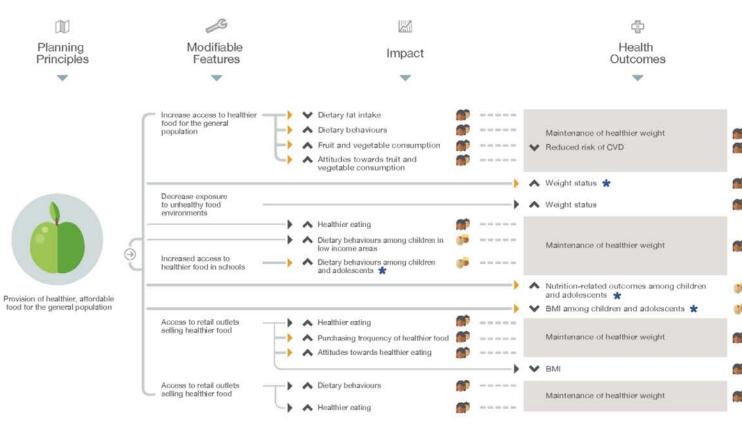
NR (Not reported): Methodological quality of the original research

Methodological quality of the original research is unclear and should be treated with caution.

Greyed Out Text Association between a health impact & health outcome not obtained as part of the umbrells review.

Best Available Evidence:

In some instances, more than one piece of review-level evidence reporting on the same health impacts and/or outcomes was identified as part of this umbrella review. In such instances this table highlights findings of the review(s) which reported ovidence of the best



- Positive association between the density of unhealthy food outlets in a neighbourhood and the prevalence of overweight and obesity in children. Cetateanu A et al, Health & Place, 2014.
- Concentration effect clustering of takeaway and fast food outlets in areas of deprivation. Macdonald L, et al, Appetite 2007
- Deprivation Amplification
 - exposure to fast food affects all SE groups lower SES consumed more fast foods, have higher body weights, and more likely to be obese.
 - High fast-food outlet exposure amplified differences in fast-food consumption across levels of education. Burgoine, T et al, AJCN 2016
- Fast food access is associated with intake. Bernsdorf KA, et al. Health & Place 2017
- Role of supermarkets Burgoine, T et al, . International Journal of Environmental Research and Public Health, 2017

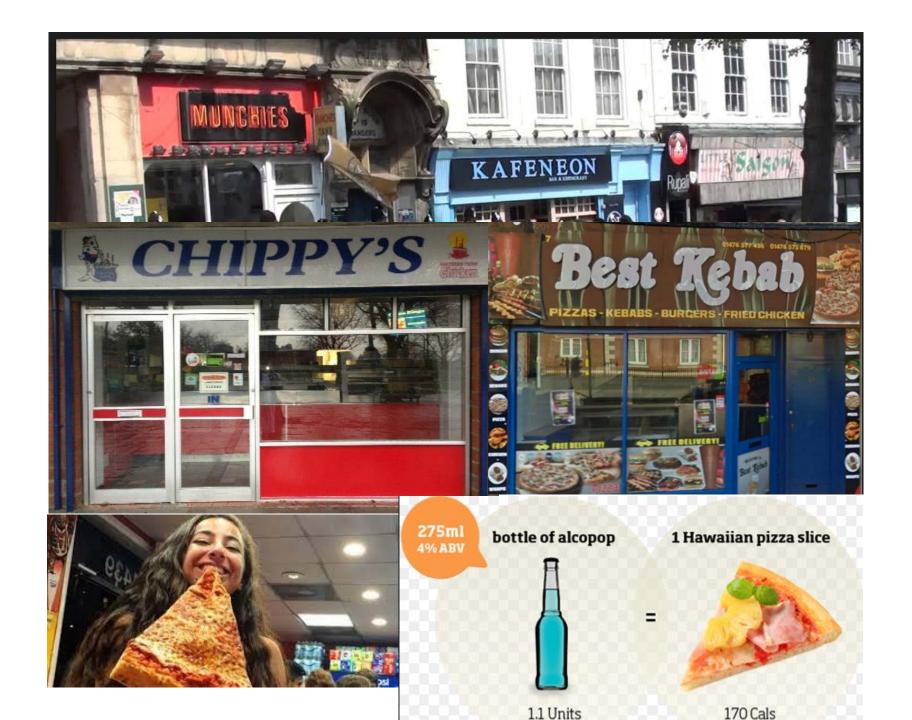
What do local authorities need to do?

- Limit the growth and proliferation of unhealthy food outlets
- Sounds simple....but

The night time economy - food environment



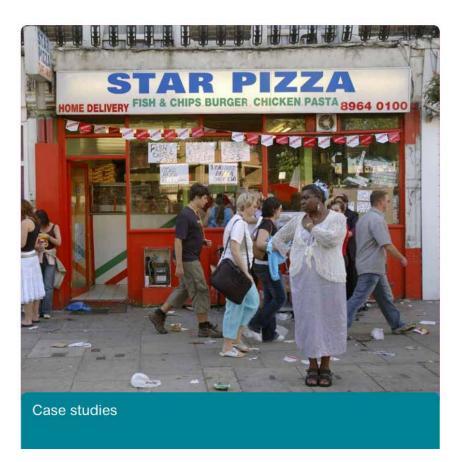






Tipping the scales

Case studies on the use of planning powers to limit hot food takeaways



https://www.local.gov.uk/sites/default/files/documents/tipping-scales-case-studi-bff.pdf

A FAST food boss defends super-size portions as he shows off a munchy box crammed with 3,600 calories.

Rafid Almussawi, 33, flogs 50 of the £9.95 boxes a week at his Tartan Fish and Chips in Cessnock, Glasgow.



The £9.95 box is one of Rafid's best-sellers



Transforming the 'Foodscape':

Development and feasibility testing of interventions to promote healthier take-away, pub or restaurant food





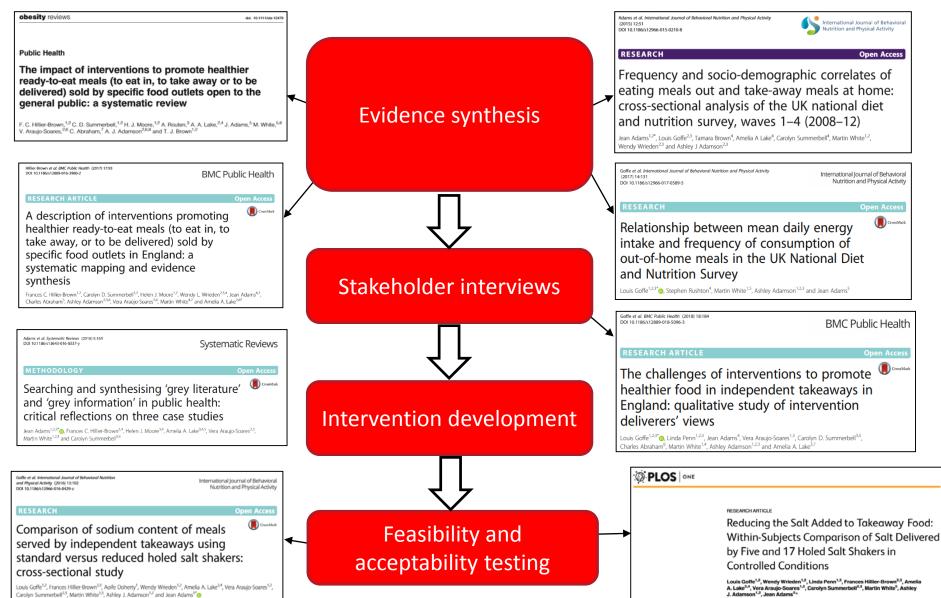




The Centre for Translational Research in Public Health













Strategies for Encouraging Healthier 'Out of Home' Food Provision A toolkit for local councils working with small food businesses



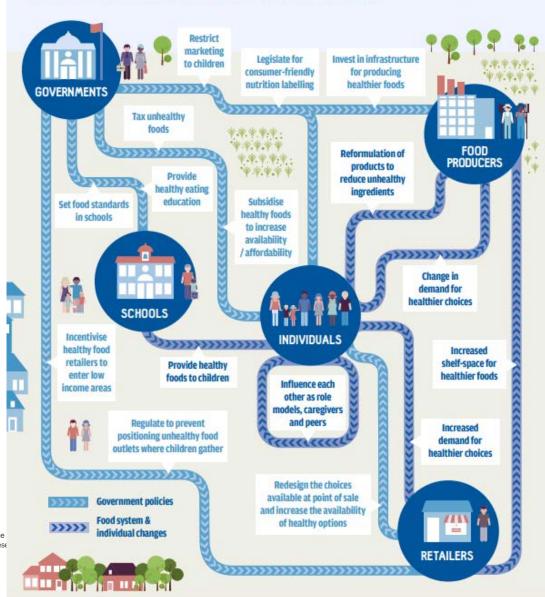






HOW CAN GOVERNMENTS SUPPORT HEALTHY FOOD PREFERENCES?

The food system is an interconnected network of producers, industry, and institutions. But at its heart is the individual. Policy can affect all parts of the network, influencing a cultural shift towards healthier food preferences.



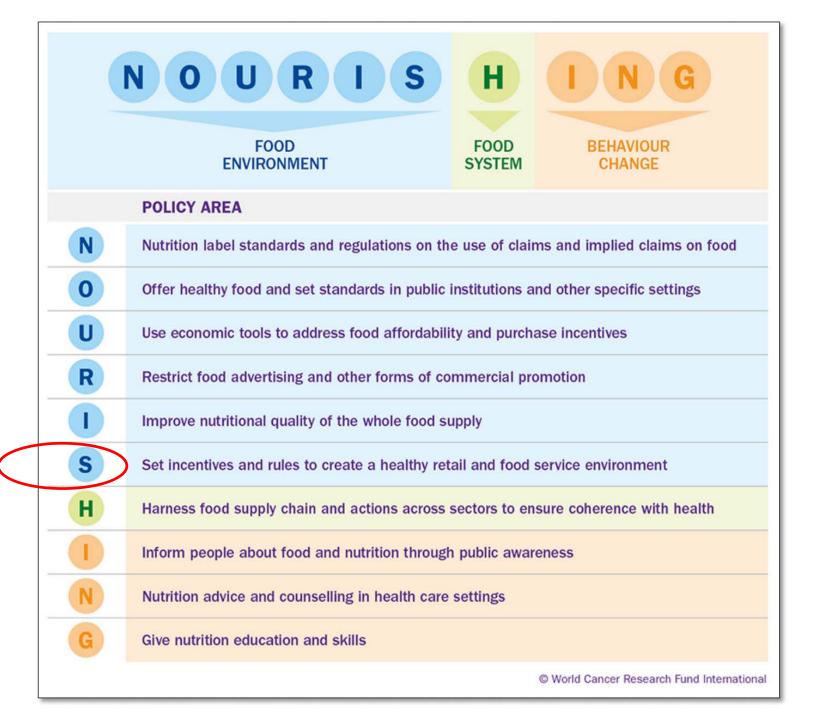
The Lancet: Obesity 2015

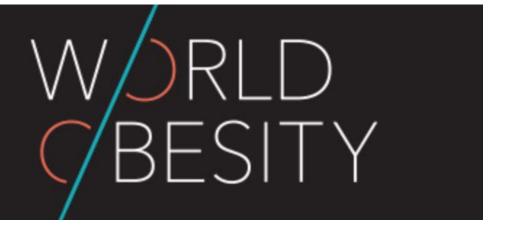






NOURISHING recognises that policy actions are needed within three domains: **food environment**, **food system and behaviour change communication**. The evidence shows that each domain is important in influencing how and what we eat.





INFORMAS



INFORMAS (International Network for Food and Obesity / non-communicable Diseases Research, Monitoring and Action Support) is a global network of public-interest organisations and researchers that aims to monitor, benchmark and support public and private sector actions to create healthy food environments and reduce obesity and non-communicable diseases (NCDs) and their related inequalities.

Ways forward

- SPDs/ local plans what is the best way to take forward healthy foodscape?
- Working with food businesses (Foodscape study)
- How can planning and licensing work together with public health to address the Toxic High Street: The obesogenic and intoxigenic environments?
- Beyond the highstreet: thinking about alternative food environments & new ways to purchase food.





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