Environment and policy interventions to prevent obesity in children
Dianne S. Ward, Amy V. Ries, and Rachel Tabak

in Childhood Obesity Prevention: International Research, Controversies and Interventions

This chapter presents environmental and policy interventions which have demonstrated an impact on a measure of body weight or been successful in improving eating or physical activity behaviours among children aged 2 to 18. It presents the types of macro- and micro-environmental and policy interventions that have been conducted, what areas seem promising, and where major gaps exist. The chapter discusses various interventions to prevent childhood obesity from around the world, community approaches, and approaches that suggest environmental changes including physics, economic, and political environments. The chapter also puts forward a discussion of interventions that target policy changes such as policy that address laws and regulations as well as formal and informal rules.

Global Climate Change and Human Health
A. J. McMichael and G. Ranmuthugala

in Globalization and Health

This chapter discusses the health impacts of global environmental change. Topics covered include relationship between globalization and global environmental change, impacts of climate change, interaction between weather and air pollution; effects of economic, social, an
demographic disruption; and strategies to reduce population health risks from climate change.

Infectious Disease in the Age of Globalization
Lance Saker, Kelley Lee, and Barbara Cannito

in Globalization and Health
Published in print: 2006 Published Online: September 2009
DOI: 10.1093/acprof:oso/9780195172997.003.0002
Item type: chapter

This chapter explores the links between globalization and infectious diseases in relation to changes in four major spheres—economic, environmental, political and demographic, and technological. It highlights areas where the evidence suggests that processes of globalization have led to changes in the distribution, transmission rate, and, in some cases, management of infectious diseases.

Designing for Dissemination in Chronic Disease Prevention and Management
Neville Owen, Ana Goode, Takemi Sugiyama, Mohammad Javad Koohsari, Genevieve Healy, Brianna Fjeldsoe, and Elizabeth Eakin

in Dissemination and Implementation Research in Health: Translating Science to Practice
Published in print: 2017 Published Online: November 2017
DOI: 10.1093/oso/9780190683214.003.0007
Item type: chapter

This chapter emphasizes the need for research that is designed and implemented explicitly with dissemination in mind. This is illustrated in relation to environmental and policy initiatives to influence physical activity through active transport, and through the example of initiatives to reduce workplace sitting. The other element of this chapter, the broad-reach intervention-dissemination case study of a health behavior-change program, highlights the need to maintain key elements of research quality in designing for dissemination, to the extent that is practically possible: a rigorous study design; the systematic tracking of implementation and related costs; and, the conduct of dose-response, maintenance and cost-effectiveness analyses. These examples of designing for dissemination illustrate not only the exciting opportunities for real-world dissemination research, but also the resourcefulness and commitment required for success.
Disasters
James M. Shultz
in Urban Health
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Item type: chapter

The number of people affected by disasters worldwide has been increasing over the past 20 years. This increase is driven by two forces: urbanization and global environmental climate change. As more people are living in cities, and many of those cities are close to water, environmental changes are exposing cities to ever more risk. This necessitates innovative urban responses to anticipate potential disaster risk, engaging elements of cities’ physical and social environment to promote resilience. This chapter considers the features of cities that pose risks to disaster stressors and the efforts to build urban resilience that can mitigate some of these risks.