

VT UAP 5424 | Planning Healthy, Sustainable Communities
(Public Health, Nutrition, Food Policy & Planning)
Revised February 24, 2008

COURSE INFORMATION

School	Virginia Tech
Department	Urban Affairs and Planning (open to other departments)
Course Number	UAP-5424
Instructors	Joseph Schilling, LLM, Professor in Practice (jms33@vt.edu) Kimberley Hodgson, MS, RD, PhD Candidate (khodgson@vt.edu)
Semester	Spring 2008
Campus	Alexandria & Blacksburg (via polycom)
Location	1021 Prince Street, Suite 200
Room	Polycom Room in Architecture Annex (Blacksburg) and 2 nd Floor (Alexandria Center)
Days / Times	Wednesday / 4:15-6:45pm
Credits	3.0

COURSE DESCRIPTION

In light of the contemporary debates over the nation's obesity crisis, climate change and social and environmental justice, this course explores the policy and planning challenges in developing healthy, sustainable communities through a multidisciplinary perspective (planning, nutrition, food policy and public health). Private industry, government, and non-profits alike are beginning to see the need for a more multidisciplinary approach to community development. Professional associations, such as the American Planning Association and the American Public Health Association have recently expressed the need for more collaboration between these disciplines to address health, environment, and planning issues.

- Co-taught by Joseph Schilling, LLM (land use, environmental and public policy expertise) and Kimberley Hodgson, MS, RD (public health nutrition and food policy expertise) and several guest lecturers currently active in the field.
- Examines the emerging intersection between planning, public health, nutrition, and food policy.
- Explores the relationship between land use, the built environment, food policy and health, with a focus on obesity, physical activity and healthy eating.
- Provides students with an overview of contemporary health issues and planning-related solutions.
- Enrolled students will have the opportunity to assist in the development and implementation of the Robert Wood Johnson Foundation's Annual Active Living Research Conference (April 9 to April 12, 2008 in Washington, DC).

COURSE REQUIREMENTS

VT's Blackboard online system will be used to facilitate communication between students and faculty in Blacksburg and Alexandria. Therefore, students are required to check Blackboard regularly for announcements and updates to the course.

Required Reading Assignments

All required reading assignments are listed in the syllabus and can be found in the required textbook or will be available through VT's Blackboard online system.

Required Text

Frumkin, Howard, Lawrence D Frank, and Richard Jackson. *Urban Sprawl and Public Health: Designing, Planning, and Building for Healthy Communities*. Washington DC: Island Press, 2004.

Optional Texts

Morris, Marya. 2006. "Planning Active Communities." in *Planning Advisory Service Report 543/544*. Chicago: American Planning Association.

Morris, Marya. 2006. "Integrating Planning and Public Health." in Planning Advisory Service Report 539/540. Chicago: American Planning Association.

"For Hunger-Proof Cities: Sustainable Urban Food Systems." 1999. Edited by Mustafa Koc, Rod MacRae, Luc J.A. Mougeot, and Jennifer Welsh: International Development Research Centre.
(http://www.idrc.ca/en/ev-9394-201-1-DO_TOPIC.html)

Films

Contested Streets, 2006 (<http://www.contestedstreets.com/>)

King Corn, 2007, Mosaic Films International (<http://www.kingcorn.net/>)

ASSIGNMENTS

Details on the following assignments will be provided in class and via Blackboard:

1. **Food System Planning Field Trip & Memo** (*Saturday, March 29, 2008*)
 - 5 Penny Farm (<http://www.localharvest.org/farms/M8028>)
 - Sustainable, organic produce farm in Southwest Virginia
 - Brett & Johanna Nichols, 1198 Thomas Farm Rd SE, Floyd, VA 24091 (540-745-7335)
 - Write a brief memo about your experience (12 pt. font, 1 page, single-spaced max)
2. **Film Memo** (*due March 19, 2008 by 11:59 pm*)
 - Individual or group assignment.
 - Watch one of the two films and write a brief memo (12 pt. font, 1 page, single-spaced max) about your reaction to the film and briefly discuss your reactions with the class.
3. **Food System/Healthy Eating Assignment** (*due March 12, 2008 by 11:59pm*)
 - Individual food system diary and analysis
 - Student neighborhood food assessment
4. **Active Living Assignment** (*due April 15, 2008 by 11:59pm*)
 - Individual student neighborhood active living assessment/audit
 - Urban/suburban neighborhood active living infrastructure comparison
5. **Term Paper & Informal Presentation** (*due May 7, 2008*)
 - Term Paper Idea due March 12, 2008 by 11:59pm.
 - Term Paper due May 7, 2008 by 3:30pm.
 - Term Paper Handout due May 7, 2008 by 3:30pm.
 - Term Paper Presentation in class on May 7, 2008.

GRADING

Participation (15%)

Field Trip Participation & Memo (5%)

Film Memo (5%)

Active Living Assignment (20%)

Food System/Healthy Eating Assignment (20%)

Term Paper & Presentation (35%)

LECTURES

LECTURE 1 | January 16, 2008

Introduction

Content

- Introductions
- Overview of syllabus
- Public health, nutrition and planning connection
- Major themes of course

Readings

- Frumkin, Frank & Jackson, Urban Sprawl & Public Health 2004 (**Preface**)

- Morris, Planning Active Communities 2006 (**Chapter 1 | A New Alliance: Planners and Public Health Advocates**)
- Pothukuchi, Kameshwari, and Jerome L. Kaufman. 1999. "Placing the food system on the urban agenda: The role of municipal institutions in food systems planning." Agriculture and Human Values 16:213.

LECTURE 2 | January 23, 2008

History of Planning and Public Health

Content

- Public health roots of planning
- Tenement housing reform
- Urban water and sewerage systems
- Design of parks and playgrounds

Readings

- Frumkin, Frank & Jackson, Urban Sprawl & Public Health 2004 (**Chapter 3 | The Evolution of Urban Health**)
- Morris, Planning Active Communities 2006 (**Chapter 3 | Reconnecting with Our Roots: A Critical History of American Planning and Public Health for the Twenty-First Century**)
- Schilling, Joseph, and Leslie Linton. "The Public Health Roots of Zoning: In Search of Active Living's Legal Genealogy." American Journal of Preventive Medicine 28, no. 2S2 (2005): 96-104.

LECTURE 3 | January 30, 2008

Environmental Health (Guest Lecture)

Content

- Overview of environmental health and planning connection
 - Water quality (biocontaminants, cancer, etc.)
 - Air quality (asthma and other respiratory illnesses)
 - Mental health (road rage, commuting, etc.)
 - Environmental impact assessments (EIAs)
 - Health impact assessments (HIAs)
- Guest Lecture
 - Charles Konigsberg, Jr., MD, MPH, Health Director, Alexandria Health Department

Readings

- Frumkin, Frank & Jackson, Urban Sprawl & Public Health 2004 (**Chapters 4 | Air Quality; Chapter 7 | Water Quantity & Quality; Chapter 8 | Mental Health**)

LECTURE 4 | February 6, 2008

Health, Nutrition & Physical Activity

Content

- Energy in (food)
 - Energy density & nutrient density
 - Dietary guidelines
 - Factors influencing food choice and eating behavior
- Energy out (physical activity)
 - Physical activity recommendations
 - Factors affecting physical activity behavior
- Obesity & chronic disease
 - Causes of overweight and obesity
 - Overview of main chronic disease (heart disease, type 2 diabetes and cancer)
 - Health disparities

Websites

Become familiar with the following websites and corresponding available information:

- United States Department of Health and Human Services, Dietary Guidelines for Americans 2005, <http://www.health.gov/dietaryguidelines/>
- United States Department of Agriculture, MyPyramid, <http://www.mypyramid.gov/>
- Centers for Disease Control & Prevention (CDC), <http://www.cdc.gov/nccdphp/dnpa/>
- CDC, <http://www.cdc.gov/nccdphp/dnpa/obesity/index.htm>
- CDC, <http://www.cdc.gov/healthyplaces/>
- CDC, <http://www.cdc.gov/DataStatistics/>

Readings

- USDA Dietary Guidelines for Americans 2005, Finding Your Way to a Healthier You Brochure (<http://www.health.gov/dietaryguidelines/dga2005/document/pdf/brochure.pdf>)
- Drewnowski, Adam, and SE Specter. "Poverty and Obesity: The Role of Energy Density and Energy Costs." *American Journal of Clinical Nutrition* 79 (2004): 6-16.
- Levi, Jeffrey, Emily Gadola, and Laura M. Segal. 2007. "F as in Fat: How Obesity Policies are Failing in America." Washington DC: Trust for America's Health. (**Section 1, pages 5-16; Section 4, pages 51-63**)
- Pearson et al. 2003. "American Heart Association Guide for Improving Cardiovascular Health at the Community Level: A Statement for Public Health Practitioners, Healthcare Providers, and Health Policy Makers From the American Heart Association Expert Panel on Population and Prevention Science." *Circulation* 107:645-651.

February 7-9, 2008

New Partners for Smart Growth Conference (Washington DC)

Lecture 5 | February 13, 2008

The Role of the Built Environment in Physical Activity and Eating Behavior

Content

- New Partners for Smart Growth Conference overview
- Obesogenic environments
 - Built environment
 - Food environment
- Built environment and physical activity
 - Active recreation
 - Active transportation
- Built environment and nutrition
 - Community nutrition environments
 - Consumer nutrition environments

Readings

- Frumkin, Frank & Jackson, Urban Sprawl & Public Health 2004 (**Chapter 1 | What is Sprawl? What Does It Have to Do with Health?**)
- French, Simone A., Mary Story, and Robert W. Jeffery. 2001. "Environmental Influences on Eating and Physical Activity." *Annual Review of Public Health* 22:309-335.
- Sallis, James F., and Karen Glanz. "The Role of Built Environments in Physical Activity, Eating, and Obesity in Childhood." *Future of Children* 16, no. 1 (2006): 89-108.
- Lake, Amelia, and Tim Townshend. "Obesogenic Environments: Exploring the Built and Food Environments." *The Journal of the Royal Society for the Promotion of Health* 126, no. 6 (2006): 262-67.
- Frank, Lawrence D., and Peter O. Engelke. "The Built Environment and Human Activity Patterns: Exploring the Impacts of Urban Form on Public Health." *Journal of Planning Literature* 16, no. 2 (2001): 202-18.
- Levi, Jeffrey, Emily Gadola, and Laura M. Segal. 2007. "F as in Fat: How Obesity Policies are Failing in America." Washington DC: Trust for America's Health. (**Section 4, pages 69-73 & 78-79**)
- Feldstein, Lisa. "Linking Land Use Planning and the Food Environment." Smart Growth Online, 2007.

LECTURE 6 | February 20, 2008

Healthy Eating & Land Use Planning: Part 1, Food System Planning

Content

- Food system definition and models
- Conventional food systems
- Alternative food systems
- Social and environmental context of the food system
- Food systems and planning
- Food justice

Required Readings

- Sobal, Jeffery, Laura Kettel Khan, and Carole Bisogni. 1998. "A Conceptual Model of the Food and Nutrition System." *Social Science Medicine* 47:853-863.
- Pothukuchi, Kamishwari, and Jerome Kaufman. 2000. "The food system: A stranger to the planning field." *Journal of the American Planning Association* 66:113-124.
- Campbell, Marcia Caton. 2004. "Building a Common Table: The Role for Planning in Community Food Systems." *Journal of Planning Education and Research* 23:341-355.
- Feenstra, Gail W. 1997. "Local food systems and sustainable communities." *American Journal of Alternative Agriculture* 12:28-36.
- Wekerle, Gerda R. 2004. "Food Justice Movements: Policy, Planning, and Networks." *Journal of Planning Education and Research* 23:378-386.

Optional Readings

- Kurlansky, Mark. 2007. "The Food Chains That Link Us All." Pp. 40-43 in *TIME* (Canadian Edition).

LECTURE 7 | February 27, 2008

Healthy Eating & Land Use Planning: Part 2, Planning for Food Availability & Access

Content

- Types of food stores
- Location and availability of food stores
- Food availability and access disparities
- Affordability disparities
- Nutritional quality disparities

Required Readings

- Powell, Lisa M., Sandy Slater, Donka Mirtcheva, Yanjun Bao, and Frank J. Chaloupka. "Food Store Availability and Neighborhood Characteristics in the United States." *Preventive Medicine* 44 (2007): 189-95.
- Filomena, Susan, and Kimberly Morland. "Disparities in the Availability of Fruits and Vegetables between Racially Segregated Urban Neighbourhoods." *Public Health Nutrition* (2007): 1-9.
- Short, Anne, Julie Guthman, and Samuel Raskin. 2007. "Food Deserts, Oases, or Mirages?: Small Markets and Community Food Security in the San Francisco Bay Area." *Journal of Planning Education and Research* 26:352-364.
- Walsh, Bryan. 2007. "How the World Eats." Pp. 44-49 in *TIME* (Canadian Edition).

Optional Readings

- Improving Access to Healthy Foods. Washington DC, Leadership for Healthy Communities, Robert Wood Johnson Foundation. Fall 2007.
- Nestle, Marion. 2002. *Food Politics: How the Food Industry Influences Nutrition and Health*. Berkeley, CA: University of California Press. (**Introduction, pages 1-30**)
- Moore, Latetia V., and Ana Diez Roux. "Associations of Neighborhood Characteristics with the Location and Type of Food Stores." *American Journal of Public Health* 96, no. 2 (2006): 325-31.

NO LECTURE | March 5, 2008

Spring Break

LECTURE 8 | March 12, 2008

Healthy Eating & Land Use Planning: Part 3, Policy/Tools/Best Practices

Content

- Food policy coalitions, networks or councils
- Community food assessment (inventory, mapping, assessment)
- Local and regional food system policy (farmland preservation, urban agriculture, green infrastructure, vacant property conversion, farm to institution programs, etc.)
- Land use policy for food access (general/comprehensive plan, permissive zoning, conditional use permits, restricted use regulations, land use designations, nutrition-related performance standards, etc.)
- Economic development policy for food access (permissive zoning, financing tools, business-enhancement tools, etc.)
- Transportation policy for food access (transportation plan goals, shuttle services, inclusion requirements for new transit stops, transit oriented development, new transit routes, etc.)

Required Readings

- "Policy Guide on Community and Regional Food Planning." In APA Policy Guide, 1-20: American Planning Association, 2007.
- McCann, Barbara. "Community Design for Healthy Eating: How Land Use and Transportation Solutions Can Help." Princeton, NJ: Robert Wood Johnson Foundation, 2006.
- Mair, Julie Samia, Matthew W. Pierce, and Stephen P. Teret. "The Use of Zoning to Restrict Fast Food Outlets: A Potential Strategy to Combat Obesity." The Center for Law and the Public's Health at Johns Hopkins & Georgetown Universities, 2005.

Optional Readings

- Feldstein, Lisa M. 2006. "General Plans and Zoning: A Toolkit on Land Use and Health." San Francisco: The Public Health Law Program.
- Pothukuchi, Kameshwari. 2004. "Community Food Assessment: A First Step in Planning for Community Food Security." Journal of Planning Education and Research 23:356-377.
- Shenot, Christine, and Emily Salomon. "Community Health and Food Access: The Local Government Role." Washington, DC: International City/County Management Association, 2006.
- Vallianatos, Mark, Robert Gottlieb, and Margaret Ann Haase. 2004. "Farm-to-School: Strategies for Urban Health, Combating Sprawl, and Establishing a Community Food Systems Approach." Journal of Planning Education and Research 23:414-423.
- Story, Mary, Karen M. Kaphingst, Ramona Robinson-O'Brien, and Karen Glanz. 2008. "Creating Healthy food and Eating Environments: Policy and Environmental Approaches." Annual Review of Public Health 29:6.1-6.2.

Assignment

- Food System/Healthy Eating Assignment is due on March 12 by 11:59pm (via Blackboard, Digital Dropbox).
- Term Paper Idea is due on March 12 by 11:59pm (via Blackboard, Digital Dropbox).

LECTURE 9 | March 19, 2008

Active Living & Land Use Planning: Part 1, Suburban Neighborhoods

Content

- Active Transportation
- Physical activity and transit
- Bicycle and pedestrian planning
- Commuting
- Destinations
- Trip utility
- Recreational activity

Required Readings

- Frumkin, Howard, Lawrence D Frank, and Richard Jackson. Urban Sprawl and Public Health: Designing, Planning, and Building for Healthy Communities. Washington DC: Island Press, 2004. **(Chapter 5)**
- Morris, Planning Active Communities 2006 **(Chapter 2 | Defining Physical Activity and Active Living: Framing the Issue)**
- Lee, Chanam, and Anne Vernez Moudon. "Physical Activity and Environment Research in the Health Field: Implications for Urban and Transportation Planning Practice and Research." Journal of Planning Literature 19, no. 2 (2004): 147-81.

Optional Readings

- Frank, Lawrence D., James F. Sallis, Terry L. Conway, James E. Chapman, Brian E. Saelens, and William Bachman. "Many Pathways from Land Use to Health: Associations between Neighborhood Walkability and Active Transportation, Body Mass Index, and Air Quality." Journal of the American Planning Association 72, no. 1 (2006): 75-87.

Assignment

- Both film memos are due on March 19 by 11:59pm (via Blackboard, Digital Dropbox).

LECTURE 10 | March 26, 2008

Active Living & Land Use Planning: Part 2, Urban Neighborhoods

Content

- Safety and traffic
- Safety and crime
- Recreational and active transportation based physical activity patterns
- Park, open space and recreational facilities disparities
- Job, housing, school, and shopping location

Required Readings

- Day, Kristen. "Active Living and Social Justice: Planning for Physical Activity in Low-Income, Black and Latino Communities." Journal of the American Planning Association 72, no. 1 (2006): 88-99.
- Gordon-Larsen, Penny, Melissa C. Nelson, Phil Page, and Barry M. Popkin. 2006. "Inequality in the Built Environment Underlies Key Health Disparities in Physical Activity and Obesity." Pediatrics 117:417-424.
- Morris, Integrating Planning and Public Health, 2006. **(Chapter 3 | Issues in Public Health: Where Planning Plays a Role, pages 37-49)**

LECTURE 11 | April 2, 2008

Active Living & Land Use Planning: Part 3, Policy/Tools/Best Practices

Content

- Growth Management
- Smart Growth
- Transit Oriented Development
- Traditional Neighborhood Development
- New Urbanism
- Multi-Modal Transportation Policy
- Innovative Active Living Policy

Required Readings

- Morris, Planning Active Communities, 2006. **(Chapters 4-6)**
- Schilling, Joseph. "Creating a Regulatory Blueprint for Healthy Community Design: A Local Government Guide to Reforming Zoning and Land Development Codes." Washington, DC: International City/County Management Association, 2005.

Optional Readings

- Increasing Active Living: A Guide for Policy-Makers. Washington DC, Leadership for Healthy Communities, Robert Wood Johnson Foundation. Fall 2007.
- Wener, Richard E., and Gary W. Evans. "A Morning Stroll: Levels of Physical Activity in Car and Mass Transit Commuting." *Environment and Behavior* 39, no. 1 (2007): 62-74.

NO LECTURE | April 9, 2008

Active Living Research Conference (Washington DC)

NO LECTURE | April 16, 2008

Virginia Tech: A Day of Remembrance

Assignment

- Active Living Assignment is due on April 15 by 11:59pm (via Blackboard, Digital Dropbox).

LECTURE 13 | April 23, 2008

Creating Healthy, Sustainable Communities

Content

- ALR conference overview.
- Connection between public health, built environment, nutrition, food policy and the environment.
- Health Impact Assessments.
- Sustainable, healthy communities.
- Leading communities in U.S. and Canada.

Required Readings

- Frumkin, Frank & Jackson, Urban Sprawl & Public Health 2004 (*Chapters 11 | From Urban Sprawl to Health for All*)
- Morris, Integrating Planning and Public Health, 2006. (*Chapter 6 | Health Impact Assessment*)
- Levi, Jeffrey, Emily Gadola, and Laura M. Segal. 2007. "F as in Fat: How Obesity Policies are Failing in America." Washington DC: Trust for America's Health. (*Section 5, pages 91-101*)
- Ashe, Marice, Lisa M. Feldstein, Samantha Graff, Randolph Kline, Debora Pinkas, and Leslie Zellers. 2007. "Local Venues for Change: Legal Strategies for Healthy Environments." *Journal of Law, Medicine & Ethics* Spring:138-147.

Optional Readings

- Dugoni, Kim. "From Organizational Practices to Public Policies: Local Strategies to Increase Healthy Eating & Physical Activity." In *Policy Ideas for Community Nutrition and Physical Activity*. Sacramento: Center for Civic Partnerships, 2003.
- Flounoy, Rebecca, and Sarah Treuhaft. "Healthy Food, Healthy Communities: Improving Access and Opportunities through Food Retailing." Oakland, CA: PolicyLink, 2005.

NO LECTURE | April 30, 2008

American Planning Association Conference (Las Vegas, NV)

LECTURE 14 | May 7, 2008

Term Paper Presentations and Discussion

Content

- APA conference overview.
- Informal presentations of term paper (PowerPoint is not required).

Readings

- No assigned readings.

Assignment

- Term papers due May 7 by 3:30pm (via Blackboard, Digital Dropbox).

USEFUL LINKS

Active Living Network

<http://www.activeliving.org/>

Active Living by Design

<http://www.activelivingbydesign.org/>

Active Living Research

<http://www.activelivingresearch.org/>

Active Living Resource Center

<http://www.activelivingresources.org/>

Active For Life

<http://www.activeforlife.info/default.aspx>

American Planning Association, Food System Planning

<http://www.planning.org/divisions/initiatives/foodsystem.htm>

American Planning Association, Policy Guide on Community and Regional Food Planning

<http://www.planning.org/policyguides/food.htm>

American Public Health Association

<http://www.apha.org>

American Public Health Association, Environmental Public Health

<http://www.apha.org/programs/additional/revitalizeenviro.htm>

American Public Health Association, Environment Section

<http://depts.washington.edu/aphaenv/>

American Public Health Association, Food & Nutrition Section

<http://www.apha.org/membergroups/sections/aphasections/food/>

Centers for Disease Control and Prevention (CDC), Designing and Building Healthy Places

<http://www.cdc.gov/healthyplaces/>

Centers for Disease Control and Prevention (CDC), Environmental Health

<http://www.cdc.gov/nceh/ehs/default.htm>

Centers for Disease Control and Prevention (CDC), Health Impact Assessment (HIA)

<http://www.cdc.gov/healthyplaces/hia.htm>

Centers for Disease Control and Prevention (CDC), Community Environmental Health Assessment (CEHA)

<http://www.cdc.gov/nceh/ehs/CEHA/default.htm>

Centers for Disease Control and Prevention (CDC), National Center for Environmental Health (NCEH)

<http://www.cdc.gov/nceh/default.htm>

Centers for Disease Control and Prevention (CDC), PACE EH: A Tool for Community Environmental Health Assessment

<http://www.cdc.gov/nceh/ehs/PIB/PACE.htm>

Community Design for Healthy Eating

<http://www.rwjf.org/files/publications/other/communitydesignhealthyeating.pdf>

Community Food Security Coalition

<http://www.foodsecurity.org/>

Food Security Learning System, Land Use Planning

http://www.worldhungeryear.org/fslc/faqs2/ria_800.asp?section=18&click=1

Healthy Eating, Active Communities (HEAC)

<http://healthyeatingactivecommunities.org/>

Healthy Eating by Design

<http://www.activelivingbydesign.org/index.php?id=392>

<http://www.activelivingbydesign.org/index.php?id=355>

International City/Council Management Association (ICMA), Active & Healthy Living

<http://icma.org/main/topic.asp?tpid=31&hsid=1>

International City/Council Management Association (ICMA), Sustainable Communities

<http://icma.org/main/bc.asp?bcid=647&hsid=1&ssid1=2509&ssid2=2528>

Institute of Medicine

<http://www.iom.edu/>

Leadership for Healthy Communities

<http://www.leadershipforhealthycommunities.org>

National Association for County and City Health Officials (NACCHO)

<http://www.naccho.org/>

National Association for County and City Health Officials (NACCHO), Health Impact Assessment (HIA)

http://www.naccho.org/topics/hpdp/land_use_planning/LUP_HealthImpactAssessment.cfm

National Association of Counties (NACO)

<http://www.naco.org/>

National Farm to School Program

<http://www.farmtoschool.org/>

Public Health Law and Policy, Planning for Healthy Places

<http://www.healthyplanning.org/>

Public Health Law and Policy, General Plans and Zoning: A Toolkit on Land Use and Health

<http://www.healthyplanning.org/toolkit/finalbook.pdf>

Robert Wood Johnson Foundation

<http://www.rwjf.org/>

United States Department of Agriculture, MyPyramid

<http://www.mypyramid.gov/>

United States Department of Health & Human Services, Dietary Guidelines for Americans 2005

<http://www.health.gov/dietaryguidelines/>

World Health Organization, Healthy Cities and Communities Program

<http://www.euro.who.int/healthy-cities>

World Health Organization, Healthy Cities and Communities Program, Environmental Health

http://www.euro.who.int/healthy-cities/UHT/20050806_6