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Research Highlights



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The Fitwel Strategies are based on a strong foundation of data and evidence from scientific publications and documented best practices, along with input and guidance from experts from the fields of design and public health. The following is a subset of citations that support the Fitwel Strategies.

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Fitwel for Workplace + Retail

Section 1: Location

Boniface, S., et al. (2015). Health implications of transport: Evidence of effects of transport on social interactions. Journal of Transport & Health, 2(3), 441-446.

Christian, H., et al. (2017). A longitudinal analysis of the influence of the neighborhood environment on recreational walking within the neighborhood: results from RESIDE. Environmental Health Perspectives, 125(7).

Duncan, D. T., et al. (2011). Validation of walk score for estimating neighborhood walkability: an analysis of four US metropolitan areas. International Journal of Environmental Research and Public Health, 8(11), 4160-4179.

Giles-Corti, B., et al. (2013). The influence of urban design on neighbourhood walking following residential relocation: longitudinal results from the RESIDE study. Social Science & Medicine, 77, 20-30.

Julien, D., et al. (2015). Transit use and walking as potential mediators of the association between accessibility to services and amenities and social participation among urban-dwelling older adults: insights from the VoisiNuAge study. Journal of Transport & Health, 2(1), 35-43.

Lachapelle, U., et al. (2011). Commuting by public transit and physical activity: Where you live, where you work, and how you get there. Journal of Physical Activity and Health, 8(1), S72.

Saelens, B. E., et al. (2014). Relation between higher physical activity and public transit use. American Journal of Public Health 104(5), 854-859.

Sarkar, C., et al. (2018). Neighbourhood walkability and incidence of hypertension: Findings from the study of 429,334 UK Biobank participants. International Journal of Hygiene and Environmental Health, 221(3), 458-468.

Section 2: Building Access

Aldred, R., & Jungnickel, K. (2013). Matter in or out of place? Bicycle parking strategies and their effects on people, practices and places. Social & Cultural Geography, 146, 604–624.

Buehler, R. (2012). Determinants of bicycle commuting in the Washington, DC region: The role of bicycle parking, cyclist showers, and free car parking at work. Transportation Research Part D Transport and Environment, 17(7), 525-531.

Cauwenberg, J. V., et al. (2012). Environmental factors influencing older adults' walking for transportation: a study using walk-along interviews. International Journal of Behavioral Nutrition and Physical Activity, 9(85).

Chen, P., Liu, Q., & Sun, F. (2018). Bicycle parking security and built environments. Transportation Research Part D: Transport and Environment, 62, 169-178.

Christiansen, P., et al. (2017). Parking facilities and the built environment: Impacts on travel behaviour. Transportation Research Part A: Policy and Practice, 95, 198-206.

Crespo, N. C., et al. (2011). Worksite physical activity policies and environments in relation to employee physical activity. American Journal of Health Promotion, 25(4), 264-271.

Dodson, E. A., et al. (2016). Does availability of worksite supports for physical activity differ by industry and occupation? American Journal of Health Promotion, 32(3), 517-526.

Hamre, A., & Buehler, R. (2014). Commuter mode choice and free car parking, public transportation benefits, showers/lockers, and bike parking at work: Evidence from the Washington, DC Region. Journal of Public Transportation, 17(2), 67-91.

Hamre, A. (2019). Low-income access to employer-

based transit benefits: Evidence from 10 large metropolitan regions. Journal of Transportation Demand Management Research, 1(1), 1.

Kaczysnki A. T., et al. (2010). Association of workplace supports with active commuting. Preventing Chronic Disease, 7(6), A127.

Lachapelle, U. (2018). Employer subsidized public transit pass: Assessing disparities in access, use, and latent demand. Case Studies on Transport Policy, 6(3), 353-363.

MacDonald, J. M., et al. (2010). The effect of light rail transit on body mass index and physical activity. American Journal of Preventive Medicine, 39(2), 105-12.

Martin, A., Goryakin, Y., & Suhrcke, M. (2014).

Does active commuting improve psychological wellbeing? Longitudinal evidence from eighteen waves of the British Household Panel Survey. Preventive Medicine, 69, 296-303.

Saelens, B. E., & Handy, S. L. (2008). Built environment correlates of walking: a review. Medicine & Science in Sports & Exercise, 40(7 Suppl), S550-566.

Sallis, J. F., et al. (2015). Co-benefits of designing communities for active living: an exploration of literature. International Journal of Behavior, Nutrition, and Physical Activity, 12(1),188.

Stafford, L., & Baldwin, C. (2018). Planning walkable neighborhoods: Are we overlooking diversity in abilities and ages? Journal of Planning Literature, 33(1), 17-30.

Stone, A. A., & Schneider, S. (2016). Commuting episodes in the United States: Their correlates with experiential wellbeing from the American Time Use Survey. Transportation Research Part F: traffic Psychology and Behaviour, 42, 117-124.

Su, Q., & Zhou, L. (2012). Parking management, financial subsidies to alternatives to drive alone and commute mode choices in Seattle. Regional Science and Urban Economics, 42(1-2), 88-97.

Sugiyama, T., et al. (2012). Destination and route

attributes associated with adults' walking: a review. Medicine & Science in Sports & Exercise, 44(7), 1275-1286.

Ye, R., & Titheridge, H. (2017). Satisfaction with the commute: The role of travel mode choice, built environment and attitudes. Transportation Research Part D: Transport and Environment, 52, 535-547.

Yin, C., Shao, C., & Wang, X. (2018). Built Environment and Parking Availability: Impacts on Car Ownership and Use. Sustainability, 10(7), 2285.

Zarabi, Z., & Lord, S. (2019). Toward More Sustainable Behavior: A Systematic Review of the Impacts of Involuntary Workplace Relocation on Travel Mode Choice. Journal of Planning Literature, 34(1), 38-58.

Section 3: Outdoor Spaces

Abdulkarim, D., & Nasar, J. L. (2013). Do seats, food vendors, and sculptures improve plaza visitability? Environment and Behavior, 46(7), 805-825.

Alia, K., et al. (2014). Identifying emergent social networks at a federally qualified health center-based farmers' market. American Journal of Community Psychology, 53, 335-325.

Bowler, D. E., et al. (2010). A systematic review of evidence for the added benefits to health of exposure to natural environments. BMC Public Health, 10(456).

Boyce, P. R., et al. (2000). Perceptions of safety at night in different lighting conditions. International Journal of Lighting Research and Technology, 32(2), 79-91.

Clatworthy, J., et al. (2013). Gardening as a mental health intervention: a review. Mental Health Review Journal, 18(4), 214-225.

Cohen, D. A., et al. (2012). Impact and costeffectiveness of family Fitness Zones: a natural experiment in urban public parks. Health & Place 18(1), 39-45. **Copeland, J. L., et al. (2017).** Fitness equipment in public parks: frequency of use and community perceptions in a small urban centre. Journal of Physical Activity and Health, 14(5), 344-352.

Cromp, D., et al. (2012). Kaiser Permanente's Farmers' Market Program: Description, impact, and lessons learned. Journal of Agriculture, Food Systems, and Community Development, 2(2), 29-36.

Fotios, S., Uttley, J., & Fox, S. (2019). A wholeyear approach showing that ambient light level influences walking and cycling. Lighting Research & Technology, 51(1), 55-64.

Freedman, D. A., et al. (2013). A farmers' market at a federally qualified health center improves fruit and vegetable intake among low-income diabetics. Preventive Medicine, 56(5), 288-292.

International Agency for Research on Cancer (2009). Evaluating the Effectiveness of Smoke-free Policies. IARC Handbooks of Cancer Prevention, World Health Organization, 13.

Izenberg, J. M., & Fullilove, M. T. (2016). Hospitality invites sociability, which builds cohesion: a model for the role of main streets in population mental health. Journal of Urban Health, 93(2), 292-311.

Kaufman, P., et al. (2011). Not just 'a few wisps': realtime measurement of tobacco smoke at entrances to office buildings. Tobacco Control, 20(3), 212-218.

Keniger, L., Gaston, K., Irvine, K., & Fuller, R. (2013). What are the benefits of interacting with nature?. International Journal of Environmental Research and Public Health, 10(3), 913-935.

Klein, E. G., et al. (2014). Tobacco control policies in outdoor areas of high volume American transit systems. Journal of Community Health, 39(4), 660-667.

Largo-Wight, E., et al. (2011). Healthy workplaces: The effects of nature contact at work on employee stress and health. Public Health Report, 126 (Supplement 1), 124-30.

Lee, J., et al. (2018). Understanding outdoor gyms in public open spaces: A systematic review and

integrative synthesis of qualitative and quantitative evidence. International Journal of Environmental Research and Public Health, 15(4).

Litt, J. S., et al. (2011). The influence of social involvement, neighborhood aesthetics, and community garden participation on fruit and vegetable consumption. American Journal of Public Health, 101(8), 1466-1473.

Lottrup, L., et al. (2013). Workplace greenery and perceived level of stress: Benefits of access to a green outdoor environment at the workplace. Landscape and Urban Planning, 110, 5-11.

Painter, K. (1996). The influence of street lighting improvements on crime, fear and pedestrian street use, after dark. Landscape and Urban Planning, 35(2-3), 193-201.

Peña-García, A., et al. (2015). Impact of public lighting on pedestrians' perception of safety and well-being. Safety Science, 78, 142-148.

Singh, G. K., Siahpush, M., & Kogan, M. D. (2010). Neighborhood socioeconomic conditions, built environments, and childhood obesity. Health Affairs, 29(3): 503-512.

Tran, T.T., et al. (2015). Environmental tobacco smoke exposure and health disparities: 8-year longitudinal findings from a large cohort of Thai Adults. BMC Public Health, 15 (1217).

Yang, L., et al. (2015). Choice of commuting mode among employees: Do home neighborhood environment, worksite neighborhood environment, and worksite policy and supports matter? Journal of Transport & Health, 2(2), 212-218.

Zick, C. D., et al. (2013). Harvesting more than vegetables: the potential weight control benefits of community gardening. American Journal of Public Health, 103(6), 1110-5.

Zoellner, J., et al. (2012). Environmental perceptions and objective walking trail audits inform a community-based participatory research walking intervention. International Journal of Behavioral Nutrition and Physical Activity, 9, 6.

Section 4: Entrances and Ground Floor

Bauman, A. E., & Bull, F. C. (2007). Environmental correlates of physical activity and walking in adults and children: a review of reviews. London: National Institute of Health and Clinical Excellence.

Boyce, P. R., et al. (2000). Perceptions of safety at night in different lighting conditions. International Journal of Lighting Research and Technology, 32(2), 79-91.

Casagrande, S. S., et al. (2010). Association of walkability with obesity in Baltimore City, Maryland. American Journal of Public Health, 101(S1), S318-S324.

Cohen, J. E., et al. (2011). Changes in retail tobacco promotions in a cohort of stores before, during, and after a tobacco product display ban. American Journal of Public Health, 101(10), 1879-1881.

Gan, Q., et al. (2008). Effectiveness of a smokefree policy in lowering secondhand smoke concentrations in offices in China. Journal of Occupational and Environmental Medicine, 50(5), 570-575.

Hassen, N., & Kaufman, P. (2016). Examining the role of urban street design in enhancing community engagement: A literature review. Health & Place, 41, 119-132.

Izenberg, J. M., & Fullilove, M. T. (2016). Hospitality invites sociability, which builds cohesion: a model for the role of main streets in population mental health. Journal of Urban Health, 93(2), 292-311.

Leinster P., & Mitchell, E. (1992). A review of indoor air quality and its impact on the health and wellbeing of office workers. Luxembourg: Office for Official Publications of the European Communities.

Malambo, P., et al. (2016). Built environment, selected risk factors and major cardiovascular disease outcomes: A systematic review. PLoS One, 11(11), e0166846.

Mehta, V., & Bosson, J. K. (2018). Revisiting

Lively Streets: Social Interactions in Public Space. Journal of Planning Education and Research, 0739456X18781453.

Meis, J., & Kashima, Y. (2017). Signage as a tool for behavioral change: Direct and indirect routes to understanding the meaning of a sign. PLoS One, 12(8), e0182975.

Memarovic, N., et al. (2012). Using public displays to stimulate passive engagement, active engagement, and discovery in public spaces. In Proceedings of the 4th Media Architecture Biennale Conference: Participation, 55-64.

Oreskovic, N. M., et al. (2014). Attributes of form in the built environment that influence perceived walkability. Journal of Architectural and Planning Research, 31(3), 218-232.

Painter, K. (1996). The influence of street lighting improvements on crime, fear and pedestrian street use, after dark. Landscape and Urban Planning, 35(2-3), 193-201.

Peña-García, A., et al. (2015). Impact of public lighting on pedestrians' perception of safety and well-being. Safety Science, 78, 142-148.

Rashid, M. & Zimring, C. (2008). A review of the empirical literature on the relationships between indoor environment and stress in health care and office settings problems and prospects of sharing evidence. Environment and Behavior, 40 (2), 151–190.

Roberts J. W., et al. (2004). A pilot study of the measurement and control of deep dust, surface dust, and lead in 10 old carpets using the 3-spot test while vacuuming. Archives of Environmental Contamination and Toxicology, 48(1), 16-23.

Tran, T. T., et al. (2015). Environmental tobacco smoke exposure and health disparities: 8-year longitudinal findings from a large cohort of Thai Adults. BMC Public Health, 15(1217).

U.S. Department of Health and Human Services. (2015). Step it up! The Surgeon General's Call to Action to promote walking and walkable Communities. Washington, D.C.: U.S. Department of Health and Human Services, Office of the Surgeon General.

Vandenberg A. E., et al. (2016). Walking and walkability: Is wayfinding a missing link? Implications for public health practice. Journal of Physical Activity and Health, 13(2), 189-197.

Section 5: Stairs

Bassett, D. R., et al. (2013). Architectural design and physical activity: an observational study of staircase and elevator use in different buildings. Journal of Physical Activity & Health, 10(4), 556-562.

Bauman, A., et al. (2017). Is there sufficient evidence regarding signage-based stair use interventions? A sequential meta-analysis. BMJ Open, 7(11), e012459.

Boutelle, K. N., et al. (2001). Using signs, artwork, and music to promote stair use in a public building. American Journal of Public Health, 91(12), 2004-2006.

Foster, R. J., et al. (2014). Safety on stairs: influence of a tread edge highlighter and its position. Experimental Gerontology, 55, 152-158.

Grimstvedt, M. E., et al. (2010). Using signage to promote stair use on a university campus in hidden and visible stairwells. Journal of Physical Activity & Health, 7(2), 232-238.

Jacobs, J. V. (2016). A review of stairway falls and stair negotiation: Lessons learned and future needs to reduce injury. Gait & Posture, 49, 159-167.

Nicoll, G. & Zimring, C. (2009). Effect of innovative building design on physical activity. Journal of Public Health Policy, 30 (Suppl 1), S111-23.

Soler, R. E., et al. (2010). Point-of-decision prompts to increase stair use. A systematic review update. American Journal of Preventive Medicine, 38(2 Suppl), S292-300.

van Nieuw-Amerongen, M. E., et al. (2011). The use of prompts, increased accessibility, visibility,

and aesthetics of the stairwell to promote stair use in a university building. Environment and Behavior, 43(1), 131-139.

Section 6: Indoor Environment

Becklacke M. R. (1976). Asbestos-related diseases of the lung and other organs: their epidemiology and implications for clinical practice. American Review of Respiratory Disease, 114(1), 187-227.

Bourbeau, J., et al. (1996). Prevalence of the sick building syndrome symptoms in office workers before and after being exposed to a building with an improved ventilation system. Occupational and Environmental Medicine, 53(3), 204-210.

Carrer, P., et al. (2015). What does the scientific literature tell us about the ventilation-health relationship in public and residential buildings? Building and Environment, 94, 273-286.

Day, J. K. & Gunderson, D. E. (2015). Understanding high performance buildings: The link between occupant knowledge of passive desigh systems, corresponding behaviors, occupant comfort and environmental satisfaction. Building and Environment, 84, 114-124.

Doll R. (1998). Uncovering the effects of smoking: historical perspective. Statistical Methods in Medical Research, 7, 87-117.

Gan, Q., et al. (2008). Effectiveness of a smokefree policy in lowering secondhand smoke concentrations in offices in China. Journal of Occupational and Environmental Medicine, 50(5), 570-575.

Greene, A., & Breisch, N. L. (2002). Measuring integrated pest management programs for public buildings. Journal of Economic Entomology, 95(1), 1-13.

Kaiser, B., et al. (2001). Solutions to health care waste: Life-cycle thinking and "green" purchasing. Environmental Health Perspectives, 109(3), 205-7.

Kamp D. W. and Weitzman S. A. (1999). The

molecular basis of asbestos induced lung injury. Thorax, 54, 638-652.

Leinster, P., & Mitchell, E. (1992). A review of indoor air quality and its impact on the health and wellbeing of office workers. Luxembourg: Office for Official Publications of the European Communities.

MacNaughton, P., et al. (2016). The impact of a smoke-free policy on environmental tobacco smoke exposure in public housing developments. Science of the Total Environment 557, 676-680.

National Association of State Procurement Officials. NASPO Green Purchasing Guide. Retrieved from www.naspo.org/green.

Pitarman, R., et al. (2017). Monitoring indoor air quality for enhanced occupational health. Journal of Medical Systems, 41(23).

Rashid, M. & Zimring, C. (2008). A review of the empirical literature on the relationships between indoor environment and stress in health care and office settings problems and prospects of sharing evidence. Environment and Behavior, 40 (2), 151–190.

Skammeritz, E., et al. (2011). Asbestos exposure and survival in malignant mesothelioma: a description of 122 consecutive cases at an occupational clinic. International Journal of Occupational and Environmental Medicine, 2(4), 224-236.

Sundell, J., et al. (2011). Ventilation rates and health: multidisciplinary review of the scientific literature. Indoor Air, 21, 191-204.

Tham, K. W. (2016). Indoor air quality and its effects on humans–A review of challenges and developments in the last 30 years. Energy and Buildings, 130, 637-650.

Tran, T. T., et al. (2015). Environmental tobacco smoke exposure and health disparities: 8-year longitudinal findings from a large cohort of Thai Adults. BMC Public Health, 15 (1217).

Section 7: Workspaces

Agarwal, S., et al. (2017). Sit-stand workstations and impact on low back discomfort: a systematic review and meta-analysis. Ergonomics, 61(4), 538-552.

An, M., et al . (2016). Why we need more nature at work: Effects of natural elements and sunlight on employee mental health and work attitudes. Plos One, 11 (5).

Cao, C., et al. (2016). Effect of active workstation on energy expenditure and job performance: A systematic review and meta-analysis. Journal of Physical and Activity and Health, 13(5), 562-571.

Edwards, L. & Torcellini, P. (2002). A literature review of the effects of natural light on building occupants. National Renewable Energy Laboratory.

Elzeyadi, I. (2011). Daylighting-bias and biophilia: quantifying the impact of daylighting on occupants health. Greenbuild, 1-9.

Galasiu, A. D. & Veitch, J. A. (2006). Occupant preferences and satisfaction with the luminous environment and control systems in daylit offices: a literature review. Energy and Buildings, 38(7), 728-742.

Garland, E., et al. (2018). Stand Up to Work: assessing the health impact of adjustable workstations. International Journal of Workplace Health Management, 11(2), 85-95.

Gillis, K., & Gatersleben, B. (2015). A review of psychological literature on the health and wellbeing benefits of biophilic design. Buildings, 5(3), 948-963.

Kilpatrick, M., et al. (2013). Cross-sectional associations between sitting at work and psychological distress: Reducing sitting time may benefit mental health. Mental Health and Physical Activity, 6(2): 103-109.

Kwon, M., et al. (2019). Personal control and envrionmental user satisfaction in office buildings: Results of case studies in the Netherlands. Building and Environment, 149, 428-435. Lamb S., Kwok K. C. (2015). A longitudinal investigation of work environment stressors on the performance and wellbeing of office workers. Applied Ergonomics, 52, 104-111.

Largo-Wight, E. (2011). Cultivating healthy places and communities: evidenced based nature contact recommendations. International Journal of Environmental Health Research, 21(1), 41-61.

Luo, M., et al. (2016). The underlying linkage between personal control and thermal comfort: psychological or physical effects?. Energy and Buildings, 111, 56-63.

Velarde, M. D., et al. (2007). Health effects of viewing landscapes-Landscape types in environmental psychology. Urban Forestry & Urban Greening, 6(4), 199-212.

Section 8: Shared Spaces

Baicker, K., Cutler, D., & Song, Z. (2010). Workplace wellness program can generate savings. Heath Affairs, 29(2), 1-8.

Brunton, G., et al. (2017). Narratives of community engagement: a systematic review-derived conceptual framwork for public health interventions. BMC Public Health, 17(1):944.

Dankwa-Mullan, I., & Pérez-Stable, E. J. (2016). Addressing health disparities is a place-based issue. American Journal of Public Health, 106(4), 637-639.

Dodson, E.A., et al. (2008). Worksite policies and environments supporting physical activity in Midwestern communities. American Journal of Health Promotion, 23 (1), 51-55.

Flood, J., Minkler, M., Hennessey Lavery, S., Estrada, J., & Falbe, J. (2015). The collective impact model and its potential for health promotion: overview and case study of a healthy retail initiative in San Francisco. Health Education & Behavior, 42(5), 654-668.

Franke, D. L., et al. (1997). Cleaning for improved indoor air quality: An initial assessment of effectiveness. Indoor Air, 7(1), 41-54.

Genin, P. M., et al. (2018). Health and fitness benefits but low adherence rate: effect of a 10-month onsite physical activity program among tertiary employees. Journal of occupational and environmental medicine, 60(9), e455-e462.

Hay, R., et al. (2018). Post-occupancy evaluation in architecture: experiences and perspectives from UK practice. Building Research & Information, 46(6), 698-710.

Josephson, K. L., et al. (1997). Characterization and quantification of bacterial pathogens and indicator organisms in household kitchens with and without the use of a disinfectant cleaner. Journal of Applied Microbiology, 83(6), 737-750.

Judah, G., et al. (2009). Experimental pretesting of handwashing interventions in a natural setting. American Journal of Public Health, 99(Suppl 2), S405-11.

Kim, J., and de Dear, R. (2013). Workspace satisfaction: The privacy-communication tradeoff in open-plan offices. Journal of Environmental Psychology, 36, 18-26.

Li, P., Froese, T. M., & Brager, G. (2018). Postoccupancy evaluation: State-of-the-art analysis and state-of-the-practice review. Building and Environment, 133, 187-202.

Lucove, J.C., et al. (2007). Workers' perceptions about worksite policies and environments and their association with leisure-time physical activity. American Journal of Health Promotion, 21(3), 196-200.

McCoy, M. K., et al. (2014). Health promotion in small business: a systematic review of factors influencing adoption and effectiveness of worksite wellness programs. Journal of Occupational and Environmental Medicine/American College of Occupational and Environmental Medicine, 56(6), 579.

Meir, I. A., et al. (2009). Post-occupancy evaluation: An inevitable step toward sustainability. Advances in Building Energy Research, 3(1), 189-219.

Mills, S. P. (2009). Workplace Lactation Programs. Workplace Health & Safety, 57(6), 227-231.

Naikoba, S., & Hayward, A. (2001). The effectiveness of interventions aimed at increasing handwashing in healthcare workers - a systematic review. Journal of Hospital Infection, 47(3), 173-180.

Nejati, A., et al. (2016). The implications of high-quality staff break areas for nurses' health, performance, job satisfaction and retention. Journal of Nursing Management, 24(4), 512-523.

Obach, B.K., & Tobin, K. (2014). Civic agriculture and community engagement. Agriculture and Human Values, 31, 307-322.

Parkinson, A. T., et al. (2018). Evaluating positivist theories of occupant satisfaction: a statistical analysis. Building Research & Information, 46(4), 430-443.

Rashid, M. & Zimring, C. (2008). A review of the empirical literature on the relationships between indoor environment and stress in health care and office settings problems and prospects of sharing evidence. Environment and Behavior, 40 (2), 151-190.

Rolfo, L., et al. (2018). Perceptions of performance and satisfaction after relocation to an activity-based office. Ergonomics, 61(5), 644-657.

Rosenbaum, M. S., Otalora, M. L., & Ramírez, G. C. (2016). The restorative potential of shopping malls. Journal of Retailing and Consumer Services, 31, 157-165.

Roussos, S. T., & Fawcett, S. B. (2000). A review of collaborative partnerships as a strategy for improving community health. Annual Review of Public Health, 21(1), 369-402.

Rusin, P., et al. (1998). Reduction of faecal coliform, coliform and heterotrophic plate count bacteria in the household kitchen and bathroom by disinfection with hypochlorite cleaners. Journal of Applied Microbiology, 85(5), 819-828.

Saito, H., et al. (2015). The staff break room as an oasis: Emotional labour, restorative environments and employee wellbeing in the hospitality industry. CAUTHE 2015: Rising Tides and Sea Changes, 694.

Schwetschenau, H. M., et al. (2008). Barriers to physical activity in an onsite corporate fitness center. Journal of Occupational Health Psychology, 13(4), 371-380.

Tsai, S.-Y. (2013). Impact of a breastfeeding-friendly workplace on an employed mother's intention to continue breastfeeding after returning to work. Breastfeeding Medicine, 8(2), 210-216.

US Department of Health and Human Services. (2011). The Surgeon General's call to action to support breastfeeding. Rockville, MD: Office of the Surgeon General (US).

Vasquez, A. (2016). A novel dietary improvement strategy: examining the potential impact of community-supported agriculture membership. Public Health Nutrition, 19(14), 2618-2628.

Watson, S. (2009). The magic of the marketplace: Sociality in a neglected public space. Urban Studies, 46(8), 1577-1591.

Watts, A.W., & Masse, L.C. (2013). Is access to workplace amenities associated with leisure-time physical activity among Canadian adults? Canadian Journal of Public Health, 104(1), e87-91.

Wilkins, J. L., Farrell, T. J., & Rangarajan, A. (2015). Linking vegetable preferences, health and local food systems through community-supported agriculture. Public health nutrition, 18(13), 2392-2401.

Section 9: Water Supply

An, R. & McCaffrey, J. (2016). Plain water consumption in relation to energy intake and diet quality among US adults, 2005–2012. Journal of Human Nutrition and Dietetics, 29(5), 624-632.

Exum, N.G., et al. (2018). Extreme precipitation, public health emergencies, and safe drinking water in the USA. Current Environmental Health Report, 5(2), 305-315.

Jasper, C., et al. (2012). Water and sanitation in schools: a systematic review of the health and

educational outcomes. International Journal of Environmental Research and Public Health, 9(8), 2772-2787.

Muckelbauer, R., et al. (2013). Association between water consumption and body weight outcomes: A systematic review. American Journal of Clinical Nutrition, 98(2), 282-299.

Onda, K., LoBuglio, J., & Bartram, J. (2012). Global access to safe water: Accounting for water quality and the resulting impact on MDG progress. International Journal of Environmental Research and Public Health, 9, 880-894.

Pan, A., et al. (2013). Changes in water and beverage intake and long-term weight changes: Results from three prospective cohort studies. International Journal of Obesity, 37(10), 1378-1385.

Section 10: Prepared Food Areas

An, R., & McCaffrey, J. (2016). Plain water consumption in relation to energy intake and diet quality among US adults, 2005–2012. Journal of Human Nutrition and Dietetics, 29(5), 624-632.

Cohen, J. F., et al. (2015). Effects of choice architecture and chef-enhanced meals on the selection and consumption of healthier school foods: a randomized clinical trial. JAMA Pediatrics, 169(5), 431-437.

Hollands, G. J., et al. (2013). Altering choice architecture to change population health behaviour: a large-scale conceptual and empirical scoping review of interventions within micro-environments. Cambridge: University of Cambridge.

Jasper, C., et al. (2012). Water and sanitation in schools: a systematic review of the health and educational outcomes. International Journal of Environmental Research and Public Health, 9(8), 2772-2787.

Jeffery, R. W., et al. (1994). An environmental intervention to increase fruit and salad purchases in

a cafeteria. Preventive Medicine, 23(6), 788-792.

Kimmons, J., et al. (2012). Developing and implementing health and sustainability guidelines for institutional food service. Advances in Nutrition, 3(3), 337-342.

Muckelbauer, R., et al. (2013). Association between water consumption and body weight outcomes: A systematic review. American Journal of Clinical Nutrition, 98(2), 282-299.

Niebylski, M. L., et al. (2014). Healthy food procurement policies and their impact. International Journal of Environmental Research and Public Health, 11(3), 2608-2627.

Pan, A., et al. (2013). Changes in water and beverage intake and long-term weight changes: Results from three prospective cohort studies. International Journal of Obesity, 37(10), 1378-1385.

Skov, L. R., et al. (2013). Choice architecture as a means to change eating behaviour in self-service settings: a systematic review. Obesity Reviews, 14(3), 187-196.

Story, M., et al. (2008). Creating healthy food and eating environments: policy and environmental approaches. Annual Review of Public Health, 29, 253-272.

Wall, J., et al. (2006). Effectiveness of monetary incentives in modifying dietary behavior: A review of randomized, controlled trials. Nutrition Reviews, 64(12), 518531.

Section 11: Vending Machines and Snack Bars

An, R., & McCaffrey, J. (2016). Plain water consumption in relation to energy intake and diet quality among US adults, 2005-2012. Journal of Human Nutrition and Dietetics, 29(5), 624-632.

Brooks, C. J., et al. (2017). A community-level sodium reduction intervention, Boston, 2013–2015. American Journal of Public Health, 107(12), 1951-

1957.

Gorton, D., et al. (2010). Healthier vending machines in workplaces: both possible and effective. New Zealand Medical Journal, 123, 43-52.

Grech, A., & Allman-Farinelli, M. (2015). A systematic literature review of nutrition interventions in vending machines that encourage consumers to make healthier choices. Obesity Reviews, 16, 1030-1041.

Jasper, C., et al. (2012). Water and sanitation in schools: a systematic review of the health and educational outcomes. International Journal of Environmental Research and Public Health, 9(8), 2772-2787.

Johnson, E. J., et al. (2012). Beyond nudges: Tools of a choice architecture. Marketing Letters, 23(2), 487-504.

Kocken, P. L., et al. (2012). Promoting the purchase of low-calorie foods from school vending machines: a cluster-randomized controlled study. Journal of School Health, 82(3), 115-122.

Liberato, S.C., et al. (2014). Nutrition interventions at point-of-sale to encourage healthier food purchasing: a systematic review. BMC Public Health, 14(919).

Muckelbauer, R., et al. (2013). Association between water consumption and body weight outcomes: A systematic review. American Journal of Clinical Nutrition, 98(2), 282-299.

Niebylski, M. L., et al. (2014). Healthy food procurement policies and their impact. International Journal of Environmental Research and Public Health, 11(3), 2608-2627.

Pan, A., et al. (2013). Changes in water and beverage intake and long-term weight changes: Results from three prospective cohort studies. International Journal of Obesity, 37(10), 1378-1385.

Story, M., et al. (2008). Creating healthy food and eating environments: policy and environmental approaches. Annual Review of Public Health, 29, 253-272.

Section 12: Emergency Procedures

Caffrey, S. L., et al. (2002). Public use of automated external defibrillators. New England Journal of Medicine, 347(16), 1242-1247.

Kette, F., et al. (2014). The importance of automated external defibrillation implementation programs. Resuscitation, 67-80.

Martin, M., et al. (2011). All-hazards, all communities: An approach to disaster preparedness and policy. Journal of Race & Policy, 7(1), 26-41.

Renschler, L. A., et al. (2015). Employee Perceptions of Their Organization's Level of Emergency Preparedness Following a Brief Workplace Emergency Planning Educational Presentation. Safety and Health at Work, 7, 166-170.

Schouten, R., et al. (2004). Community Response to Disaster: The Role of the Workplace. Harvard Review of Psychiatry, 12(4), 229-237.

Occupational Safety & Health Administration.

(2006). Best practices guide: Fundamentals of a workplace first-aid program. Retrieved from www. osha.gov.

Occupational Safety and Health Administration.

(2001). How to plan for workplace emergencies and evacuations. Retrieved from www.osha.gov.

Fitwel for Multifamily Residential

Section 1: Location

Boniface, S., et al. (2015). Health implications of transport: Evidence of effects of transport on social interactions. Journal of Transport & Health, 2(3), 441-446.

Christian, H., et al. (2017). A longitudinal analysis of the influence of the neighborhood environment on recreational walking within the neighborhood: results from RESIDE. Environmental Health Perspectives, 125(7).

Duncan, D. T., et al. (2011). Validation of Walk Score® for estimating neighborhood walkability: an analysis of four US metropolitan areas. International journal of environmental research and public health, 8(11), 4160-4179.

Giles-Corti, B., et al. (2013). The influence of urban design on neighbourhood walking following residential relocation: longitudinal results from the RESIDE study. Social Science & Medicine, 77, 20-30.

Julien, D., et al. (2015). Transit use and walking as potential mediators of the association between accessibility to services and amenities and social participation among urban-dwelling older adults: insights from the VoisiNuAge study. Journal of Transport & Health, 2(1), 35-43.

Lachapelle, U., et al. (2011). Commuting by public transit and physical activity: where you live, where you work, and how you get there. Journal of Physical Activity and Health, 8(s1), S72-S82.

Schwanen, T., et al. (2015). Rethinking the links between social exclusion and transport disadvantage through the lens of social capital. Transportation Research Part A: Policy and Practice, 74, 123-135.

Section 2: Building Access

Aldred, R., & Jungnickel, K. (2013). Matter in or out of place? Bicycle parking strategies and their effects on people, practices and places. Social & Cultural Geography, 14(6), 604–624.

Cauwenberg, J. V., et al. (2012). Environmental factors influencing older adults' walking for transportation: a study using walk-along interviews. International Journal of Behavioral Nutrition and Physical Activity, 9(1), 85.

Chen, P., Liu, Q., & Sun, F. (2018). Bicycle parking security and built environments. Transportation Research Part D: Transport and Environment, 62, 169-178.

Christiansen, P., et al. (2017). Parking facilities and the built environment: Impacts on travel behaviour. Transportation Research Part A: Policy and Practice, 95, 198-206.

Ewing, R. (2001). Using a visual preference survey in transit design. Public Works Management & Policy, 5(4), 270-280.

Fan, Y., Guthrie, A., & Levinson, D. (2016). Waiting time perceptions at transit stops and stations: Effects of basic amenities, gender, and security. Transportation Research Part A: Policy and Practice, 88, 251-264.

Fishman, E., Washington, S., & Haworth, N. (2015). Bikeshare's impact on active travel: evidence from the United States, Great Britain, and Australia. Journal of Transport & Health, 2(2), 135-142.

Fishman, E. (2016). Bikeshare: A review of recent literature. Transport Reviews, 36(1), 92-113.

Fuller, D., et al. (2013). Impact evaluation of a public bicycle share program on cycling: a case example of BIXI in Montreal, Quebec. American Journal of Public Health, 103(3), e85-92.

Iseki, H., & Taylor, B., 2010. Style versus service? An analysis of user perceptions of transit stops and stations. Journal of Public Transportation, 13 (3), 2. **Lovasi, G. S., et al. (2011).** Is the environment near home and school associated with physical activity and adiposity of urban preschool children? Journal of Urban Health, 88(6), 1143-1157.

Lovasi G. S., et al. (2012). Aesthetic amenities and safety hazards associated with walking and bicycling for transportation in New York City. Annals of Behavioral Medicine, 45(suppl_1), S76-S85.

Lusk, A. C., et al. (2017). Biking practices and preferences in a lower income, primarily minority neighborhood: Learning what residents want. Prev Med Reports 7, 232-238.

MacDonald, J. M., et al. (2010). The effect of light rail transit on body mass index and physical activity. American Journal of Preventive Medicine, 39(2), 105-112.

Mehta, V., & Bosson, J. K. (2018). Revisiting Lively Streets: Social Interactions in Public Space. Journal of Planning Education and Research, 0739456X18781453.

Pucher, J., Dill, J., & Handy, S. (2010). Infrastructure, programs, and policies to increase bicycling: an international review. Preventive Medicine, 50, \$106-\$125.

Saelens, B. E., & Handy, S. L. (2008). Built environment correlates of walking: a review. Medicine and Science in Sports and Exercise, 40(7 Suppl), S550.

Sallis, J. F., et al. (2015). Co-benefits of designing communities for active living: an exploration of literature. International journal of behavioral nutrition and physical activity, 12(1), 30.

Stafford, L., & Baldwin, C. (2018). Planning walkable neighborhoods: Are we overlooking diversity in abilities and ages? Journal of Planning Literature, 33(1), 17-30.

Su, Q., & Zhou, L. (2012). Parking management, financial subsidies to alternatives to drive alone and commute mode choices in Seattle. Regional Science and Urban Economics, 42(1-2), 88-97.

Sugiyama, T., et al. (2012). Destination and route attributes associated with adults' walking: a review. Medicine & Science in Sports & Exercise, 44(7), 1275-1286.

Yin, C., Shao, C., & Wang, X. (2018). Built Environment and Parking Availability: Impacts on Car Ownership and Use. Sustainability, 10(7), 2285.

Zarabi, Z., & Lord, S. (2019). Toward More Sustainable Behavior: A Systematic Review of the Impacts of Involuntary Workplace Relocation on Travel Mode Choice. Journal of Planning Literature, 34(1), 38-58.

Section 3: Outdoor Spaces

Alexander, D.S., et al. (2012). The association between recreational parks, facilities and childhood obesity: a cross-sectional study of the 2007 National Survey of Children's Health. Journal of Epidemiology and Community Health, 67, 427-431.

Alia, K., et al. (2014). Identifying emergent social networks at a federally qualified health center-based farmers' market. American Journal of Community Psychology, 53, 335-325.

Bowler, D.E., et al. (2010). A systematic review of evidence for the added benefits to health of exposure to natural environments. BMC Public Health, 10 (1), 456.

Boyce, P. R., et al. (2000). Perceptions of safety at night in different lighting conditions. International Journal of Lighting Research and Technology, 32(2), 79-91.

Brown, C., & Miller, S. (2008). The impacts of local markets: a review of research on farmers markets and community supported agriculture (CSA) American Journal of Agricultural Economics, 90(5), 1298-1302.

Buehler, R., & Dill, J. (2016). Bikeway networks: A review of effects on cycling. Transport Reviews, 36(1), 9-27.

Chow, H. W. (2013). Outdoor fitness equipment in parks: a qualitative study from older adults' perceptions. BMC Public Health, 13, 1216.

Clatworthy, J., et al. (2013). Gardening as a mental health intervention: a review. Mental Health Review Journal, 18(4), 214-225.

Cohen, D. A., et al. (2012). Impact and costeffectiveness of family Fitness Zones: a natural experiment in urban public parks. Health & Place, 18(1), 39-45.

Copeland, J. L., et al. (2017). Fitness equipment in public parks: frequency of use and community perceptions in a small urban centre. Journal of Physical Activity and Health, 14(5), 344-352.

Dietze, B. (2013). How accessible and usable are our neighbourhood playgrounds for children who have mobility restrictions or use mobility devices?. Journal of Childhood Studies, 38(2), 14-20.

Finlay, J., et al. (2015). Therapeutic landscapes and wellbeing in later life: Impacts of blue and green spaces for older adults. Health & Place, 34, 97-106.

Fotios, S., Uttley, J., & Fox, S. (2019). A wholeyear approach showing that ambient light level influences walking and cycling. Lighting Research & Technology, 51(1), 55-64.

Han, B., et al. (2014). How much neighborhood parks contribute to local residents' physical activity in the City of Los Angeles: a meta-analysis. Preventive Medicine, 69, S106-110.

Holtan, M. T., Dieterlen, S. L., & Sullivan, W. C. (2015). Social life under cover: Tree canopy and social capital in Baltimore, Maryland. Environment and Behavior, 47(5), 502-525.

International Agency for Research on Cancer. (2009). Evaluating the effectiveness of smoke-free policies. IARC Handbooks of Cancer Prevention. Tobacco Control, 13.

Kaufman, P., et al. (2011). Not just 'a few wisps': realtime measurement of tobacco smoke at entrances to office buildings. Tobacco Control, 20(3), 212-218.

Keniger, L., et al. (2013). What are the benefits of interacting with nature?. International Journal of Environmental Research and Public Health, 10(3), 913-935.

Kim, D., & Ohara, K. (2010). A study on the role of gardening and planning of green environments for daily use by residents in senior housing. Journal of Asian Architecture and Building Engineering, 9(1), 55-61.

Klein, E. G., et al. (2014). Tobacco control policies in outdoor areas of high volume American transit systems. Journal of Community Health, 39(4), 660-667. **Larsen, K., et al. (2009).** A farmers' market in a food desert: Evaluating impacts on the price and availability of healthy food. Health & Place, 15(4), 1158-1162.

Litt, J. S., et al. (2011). The influence of social involvement, neighborhood aesthetics, and community garden participation on fruit and vegetable consumption. American Journal of Public Health, 101(8), 1466-1473.

McCormick, R. (2017). Does access to green space impact the mental well-being of children: A systematic review. Journal of Pediatric Nursing, 37, 3-7.

Midouhas, E., et al. (2019). The quality of air outside and inside the home: associations with emotional and behavioural problem scores in early childhood. BMC Public Health, 19(406).

Ottoni, C. A., et al. (2016). 'Benches become like porches:' Built and social environment influences on older adults' experiences of mobility and well-being. Social Science & Medicine, 169, 33-41.

Painter, K. (1996). The influence of street lighting improvements on crime, fear and pedestrian street use, after dark. Landscape and Urban Planning, 35(2-3), 193-201.

Peña-García, A., et al. (2015). Impact of public lighting on pedestrians' perception of safety and well-being. Safety Science, 78, 142-148.

Ridgers, N. D., et al. (2007). Long-term effects of a playground markings and physical structures on children's recess physical activity levels. Preventive Medicine, 44(5), 393-397.

Rose, E. (2012). Encountering place: a psychoanalytic approach for understanding how therapeutic landscapes benefit health and wellbeing. Health & Place 18(6), 1381-1387.

Rowangould, G. M., & Tayarani, M. (2016). Effect of bicycle facilities on travel mode choice decisions. Journal of Urban Planning and Development, 142(4), 04016019.

Schoffman D. E., et al. (2015). Longitudinal associations with changes in outdoor recreation area use for physical activity during a community-based intervention. Preventive Medicine, 78, 29-32.

Singh, G. K., et al. (2010). Neighborhood

socioeconomic conditions, built environments, and childhood obesity. Health Affairs, 29(3), 503-512.

Sturm, R., & Cohen, D. (2014). Proximity to urban parks and mental health. The Journal of Mental Health Policy and Economics, 17(1), 19.

Zoellner, J., et al. (2012). Environmental perceptions and objective walking trail audits inform a community-based participatory research walking intervention. International Journal of Behavioral Nutrition and Physical Activity, 9(1), 6.

Wood, L., Hooper, P., Foster, S., & Bull, F. (2017). Public green spaces and positive mental healthinvestigating the relationship between access, quantity and types of parks and mental wellbeing. Health & Place, 48, 63-71.

Wolch, J., et al. (2011). Childhood obesity and proximity to urban parks and recreational resources: A longitudinal cohort study. Health & Place, 17(1), 207-214.

Section 4: Entrances and Ground Floor

Bauman, A. E., & Bull, F. C. (2007). Environmental correlates of physical activity and walking in adults and children: a review of reviews. London: National Institute of Health and Clinical Excellence.

Boyce, P. R., et al. (2000). Perceptions of safety at night in different lighting conditions. International Journal of Lighting Research and Technology, 32(2), 79-91.

Cohen, J. E., et al. (2011). Changes in retail tobacco promotions in a cohort of stores before, during, and after a tobacco product display ban. American Journal of Public Health, 101(10), 1879-1881.

Gan, Q., et al. (2008). Effectiveness of a smokefree policy in lowering secondhand smoke concentrations in offices in China. Journal of Occupational and Environmental Medicine/ American College of Occupational and Environmental Medicine, 50(5), 570.

Hassen, N., & Kaufman, P. (2016). Examining the role of urban street design in enhancing community engagement: A literature review. Health & Place, 41, 119-132.

Horner, E., et al. Greenbuildings: LEED certification requirements for indoor airborne particles can reduce indoor PM10 exposure. Journal of Allergy and Clinical Immunology, 123(2), S173.

Izenberg, J. M., & Fullilove, M. T. (2016). Hospitality invites sociability, which builds cohesion: a model for the role of main streets in population mental health. Journal of Urban Health, 93(2), 292-311.

Malambo, P., et al. (2016). Built environment, selected risk factors and major cardiovascular disease outcomes: A systematic review. PLoS One, 11(11), e0166846.

Mehta, V., & Bosson, J. K. (2018). Revisiting lively streets: Social interactions in public space. Journal of Planning Education and Research, 0739456X18781453.

Meis, J., & Kashima, Y. (2017). Signage as a tool for behavioral change: Direct and indirect routes to understanding the meaning of a sign. PLoS One, 12(8), e0182975.

Memarovic, N., et al. (2012). Using public displays to stimulate passive engagement, active engagement, and discovery in public spaces. In Proceedings of the 4th Media Architecture Biennale Conference: Participation, 55-64.

Midouhas, E., et al. (2019). The quality of air outside and inside the home: associations with emotional and behavioural problem scores in early childhood. BMC Public Health, 19(406).

Oreskovic, N. M., et al. (2014). Attributes of form in the built environment that influence perceived walkability. Journal of Architectural and Planning Research, 31(3), 218-232.

Painter, K. (1996). The influence of street lighting improvements on crime, fear and pedestrian street use, after dark. Landscape and Urban Planning, 35(2-3), 193-201.

Peña-García, A., et al. (2015). Impact of public lighting on pedestrians' perception of safety and well-being. Safety Science, 78, 142-148.

Roberts, J. W., et al. (2009). Monitoring and reducing exposure of infants to pollutants in house dust. Reviews of Environmental Contamination and Toxicology, 201,1-39.

Shenassa, E. D., et al. (2007). Dampness and mold in the home and depression: An examination of

mold-related illness and perceived control of one's home as possible depression pathways. American Journal of Public Health, 97(10), 1893-1899.

U.S. Department of Health and Human Services. (2015). Step it up! The Surgeon General's Call to Action to promote walking and walkable communities. Washington, D.C.: U.S. Department of Health and Human Services, Office of the Surgeon General.

Vandenberg A. E., et al. (2016). Walking and walkability: Is wayfinding a missing link? Implications for public health practice. Journal of Physical Activity and Health, 13(2), 189-197.

Section 5: Stairs

Bassett, D. R., et al. (2013). Architectural design and physical activity: an observational study of staircase and elevator use in different buildings. Journal of Physical Activity and Health, 10(4), 556-562.

Boutelle, K. N., et al. (2001). Using signs, artwork, and music to promote stair use in a public building. American Journal of Public Health, 91(12), 2004-2006.

Foster, R. J., et al. (2014). Safety on stairs: influence of a tread edge highlighter and its position. Experimental Gerontology, 55, 152-158.

Garland, E., et al. (2014). One step at a time towards better health: active design in affordable housing. Environmental Justice, 7(6), 166-171.

Grimstvedt, M. E., et al. (2010). Using signage to promote stair use on a university campus in hidden and visible stairwells. Journal of Physical Activity and Health, 7(2), 232-238.

Jacobs, J. V. (2016). A review of stairway falls and stair negotiation: Lessons learned and future needs to reduce injury. Gait & Posture, 49, 159-167.

Nicoll, G. & Zimring, C. (2009). Effect of innovative building design on physical activity. Journal of Public Health Policy, 30(1), S111-S123.

Soler, R. E., et al. (2010). Point-of-decision prompts to increase stair use: a systematic review update. American Journal of Preventive Medicine, 38(2), S292-S300.

van Nieuw-Amerongen, M. E., et al. (2011). The

use of prompts, increased accessibility, visibility, and aesthetics of the stairwell to promote stair use in a university building. Environment and Behavior, 43(1), 131-139.

Section 6: Indoor Environment

Adamkiewicz, G., et al. (2014). Environmental conditions in low-income urban housing: Clustering and associations with self-reported health. American Journal of Public Health, 104(9), 1650-1656.

Babisch, W. (2014). Updated exposure-response relationship between road traffic noise and coronary heart diseases: a meta-analysis. Noise and Health, 16(68), 1-9.

Becklacke, M.R. (1976). Asbestos-related diseases of the lung and other organs: their epidemiology and implications for clinical practice. American Review of Respiratory Disease, 114(1), 187-227.

Carrer, P., et al. (2015). What does the scientific literature tell us about the ventilation-health relationship in public and residential buildings?. Building and Environment, 94(1), 273-286.

Dixon, S. L., et al. (2005). The influence of common area lead hazards and lead hazard control on dust lead loadings in multiunit buildings. Journal of Occupational and Environmental Hygiene, 2(12), 659-666.

Doll, R. (1998). Uncovering the effects of smoking: historical perspective. Statistical Methods in Medical Research, 7, 87-117.

Edmond, S., et al. (2007). Dampness and mold in the home and depression: an examination of moldrelated illness and perceived control of one's home as possible depression pathways. American Journal of Public Health, 97(10), 1893-1899.

Gan, Q., et al. (2008). Effectiveness of a smokefree policy in lowering secondhand smoke concentrations in offices in China. Journal of Occupational and Environmental Medicine, 50(5), 570-575.

Greene, A., & Breisch, N. L. (2002). Measuring integrated pest management programs for public buildings. Journal of Economic Entomology, 95(1), 1-13.

Jacobs, D.E., et al. (2007). Linking public health, housing, and indoor environmental policy: successes and challenges at local and federal agencies in the United States. Environmental Health Perspectives, 115(6), 976-982.

Jacobs, D. E., et al. (2010). A systematic review of housing interventions and health: introduction, methods, and summary findings. Journal of Public Health Management and Practice, 16(5), S5-10.

Kamp D. W., & Weitzman, S. A. (1999). The molecular basis of asbestos induced lung injury. Thorax, 54, 638-652.

Kass, D., et al. (2009). Effectiveness of an integrated pest management intervention in controlling cockroaches, mice, and allergens in New York City public housing. Environmental Health Perspectives, 117(8), 1219-1225.

Klepeis, N.E., et al. (2017). Fine particles in homes of predominantly low-income families with children and smokers: Key physical and behavioral determinants to inform indoor-air-quality interventions. PloS one, 12(5), e0177718.

Krieger, J. et al. (2010). Housing interventions and control of asthma-related indoor biologic agents: a review of the evidence. Journal of Public Health Management and Practice, 16(5), S11-S20.

Kristiansen, J., et al. (2011). Work stress, worries, and pain interact synergistically with modelled traffic noise on cross-sectional associations with self-reported sleep problems. International Archives of Occupational and Environmental Health, 84, 211-224.

Leinster, P., & Mitchell, E. (1992). A review of indoor air quality and its impact on the health and wellbeing of office workers. Luxembourg: Office for Official Publications of the European Communities.

MacNaughton, P. et al. (2016). The impact of a smoke-free policy on environmental tobacco smoke exposure in public housing developments. Science of the Total Environment, 557, 676-680.

Midouhas, E., et al. (2019). The quality of air outside and inside the home: associations with emotional and behavioural problem scores in early childhood. BMC Public Health, 19(406).

Munzel, T., et al. (2014). Cardiovascular effects of

environmental noise exposure. European Heart Journal, 35(13), 829-836.

Northcross, A.L., et al. (2015). Assessing exposures to household air pollution in public health research and program evaluation. Ecohealth, 12(1), 57-67.

Orban, E., et al. (2015). Residential road traffic noise and high depressive symptoms after five years of follow-up: Results from the Heinz Nixdorf Recall Study. Environmental Health Perspectives, 124(5), 578-585.

Rashid, M. & Zimring, C. (2008). A review of the empirical literature on the relationships between indoor environment and stress in health care and office settings problems and prospects of sharing evidence. Environment and Behavior, 40(2), 151-190.

Skammeritz, E., et al. (2011). Asbestos exposure and survival in malignant mesothelioma: a description of 122 consecutive cases at an occupational clinic. International Journal of Occupational and Environmental Medicine, 2(4), 224-236.

Sundell, J., et al. (2011). Ventilation rates and health: multidisciplinary review of the scientific literature. Indoor Air, 21(3), 191-204.

Takaro, T.K., et al. (2011). The Breathe-Easy Home: The impact of asthma-friendly home construction on clinical outcomes and trigger exposure. American Journal of Public Health, 101(1), 55-62.

Section 7: Dwelling Units

Cho, Y., et al. (2015). Effects of artificial light at night on human health: A literature review of observational and experimental studies applied to exposure assessment. Chronobiology International, 32(9), 1294-1310.

Fisk, W. J., et al. (2007). Meta-analyses of the associations of respiratory health effects with dampness and mold in homes. Indoor Air, 17(4), 284-296.

Ichimori, A., et al. (2013). Measuring illuminance and investigating methods for its quantification among elderly people living at home in Japan.

Geriatrics & Gerontology International, 13(3), 798-806.

Jones R., et al. (2011). Association between indoor mold and asthma among children in New York. Indoor Air, 21(2), 156-164.

Kaplan, R. (2001). The nature of the view from home: Psychological benefits. Environment and Behavior, 33(4), 507-542.

Largo-Wight, E. (2011). Cultivating healthy places and communities: evidenced-based nature contact recommendations. International Journal of Environmental Health Research, 21(1), 41-61.

Li Q., et al. (2010). Light at night and breast cancer risk: results from a population based case-control study in Connecticut, USA. Cancer Cause Control, 21(12), 2281-2285.

Swanson, V., et al. (2016). Indoor annual sunlight opportunity in domestic dwellings may predict well-being in urban residents in Scotland. Ecopsychology, 8(2), 121-130.

Velarde, M. D., et al. (2007). Health effects of viewing landscapes-Landscape types in environmental psychology. Urban Forestry & Urban Greening, 6(4), 199-212.

Section 8: Shared Spaces

Agarwal, G., & Brydges, M. (2018). Effects of a community health promotion program on social factors in vulnerable older adult population residing in social housing. BMC Geriatrics, 18(95).

Brunton G., et al. (2017). Narratives of community engagement: a systematic review-derived conceptual framework for public health interventions. BMC Public Health, 17(1), 944.

Dankwa-Mullan, I., & Pérez-Stable, E. J. (2016). Addressing health disparities is a place-based issue. American Journal of Public Health, 106(4), 637-639.

Day, J. K. & Gunderson, D. E. (2015). Understanding high performance buildings: The link between occupant knowledge of passive design systems, corresponding behaviors, occupant comfort and environmental satisfaction. Building and Environment, 84, 114-124. **Eriksson, U., et al. (2012).** Availability of exercise facilities and physical activity in 2,037 adults: cross-sectional results from the Swedish neighborhood and physical activity (SNAP) study. BMC Public Health, 12(1), 607.

Flood, J., et al. (2015). The collective impact model and its potential for health promotion: overview and case study of a healthy retail initiative in San Francisco. Health Education & Behavior, 42(5), 654-668.

Hay, R., et al. (2018). Post-occupancy evaluation in architecture: experiences and perspectives from UK practice. Building Research & Information, 46(6), 698-710.

Hersch, D., et al. (2014). The impact of cooking classes on food- related preferences, attitudes, and behaviors of school-aged children: a systematic review of the evidence, 2003-2014. Preventing Chronic Disease, 11.

Ichimori, A., et al. (2013). Measuring illuminance and investigating methods for its quantification among elderly people living at home in Japan. Geriatrics & Gerontology International, 13(3), 798-806.

Kaplan, R. (2001). The nature of the view from home: Psychological benefits. Environment and Behavior, 33(4), 507-542.

Kaushal, N., & Rhodes, R. E. (2014). The home physical environment and its relationship with physical activity and sedentary behavior: a systematic review. Preventive Medicine, 67, 221-237.

Largo-Wight, E. (2011). Cultivating healthy places and communities: evidenced-based nature contact recommendations. International Journal of Environmental and Health Research, 21(1), 41-61.

Li, P., Froese, T. M., & Brager, G. (2018). Postoccupancy evaluation: State-of-the-art analysis and state-of-the-practice review. Building and Environment, 133, 187-202.

Luo, M., et al. (2016). The underlying linkage between personal control and thermal comfort: psychological or physical effects?. Energy and Buildings, 111: 56-63.

Meir, I. A., et al. (2009). Post-occupancy evaluation: An inevitable step toward sustainability. Advances in Building Energy Research, 3(1), 189-219. **Obach, B. K. & Tobin, K. (2014).** Civic agriculture and community engagement. Agriculture and Human Values, 31, 307-322.

Reed, J. A., & Phillips, D. A. (2005). Relationships between physical activity and the proximity of exercise facilities and home exercise equipment used by undergraduate university students. Journal of American College Health, 53(6), 285-290.

Reicks, M., Kocher, M., & Reeder, J. (2018). Impact of cooking and home food preparation interventions among adults: a systematic review (2011-2016). Journal of Nutrition Education and Behavior, 50(2), 148-172.

Roussos, S. T., & Fawcett, S. B. (2000). A review of collaborative partnerships as a strategy for improving community health. Annual Review of Public Health, 21(1), 369-402.

Sallis et al. (1990). Distance between homes and exercise facilities related to frequency of exercise among San Diego residents. Public Health Reports, 105(2), 179-185.

Stevenson, F., & Baborska-Narozny, M. (2018). Housing performance evaluation: challenges for international knowledge exchange. Building Research & Information, 46(5), 501-512.

Swanson, V., et al. (2016). Indoor annual sunlight opportunity in domestic dwellings may predict well-being in urban residents in Scotland. Ecopsychology, 8(2), 121-130.

Talbot, L. A., et al. (2003). A home-baed pedometerdriven walking program to increase physical activity in older adults with osteoarthritis of the knee: A preliminary study. Journal of the American Geriatrics Society, 15(3), 387-392.

Vasquez, A. (2016). A novel dietary improvement strategy: examining the potential impact of community-supported agriculture membership. Public Health Nutrition, 19(14), 2618-2628.

Velarde, M. D., Fry, G., & Tveit, M. (2007). Health effects of viewing landscapes-Landscape types in environmental psychology. Urban Forestry & Urban Greening, 6(4), 199-212.

Wilbur, J., et al. (2003). Determinants of physical activity and adherence to a 24-week home-based walking program in African American and Caucasian

women. Research in Nursing & Health, 26(3), 213-224.

Wilkins, J. L., Farrell, T. J., & Rangarajan, A. (2015). Linking vegetable preferences, health and local food systems through community-supported agriculture. Public Health Nutrition, 18(13), 2392-2401.

Section 9: Water Supply

Exum, N. G., et al. (2018). Extreme precipitation, public health emergencies, and safe drinking water in the USA. Current Environmental Health Report, 5(2), 305-315.

Muckelbauer, R., et al. (2013). Association between water consumption and body weight outcomes: a systematic review. American Journal of Clinical Nutrition, 98(2), 282-299.

Onda, K., LoBuglio, J., & Bartram, J. (2012). Global access to safe water: Accounting for water quality and the resulting impact on MDG progress. International Journal of Environmental Research and Public Health, 9, 880-894.

Pan, A., et al. (2013). Changes in water and beverage intake and long-term weight changes: results from three prospective cohort studies. International Journal of Obesity, 37(10), 1378.

Section 10: Prepared Food Areas

An, R., & McCaffrey, J. (2016). Plain water consumption in relation to energy intake and diet quality among US adults, 2005–2012. Journal of Human Nutrition and Dietetics, 29(5), 624-632.

Capacci, S., et al. (2012). Policies to promote healthy eating in Europe: a structured review of policies and their effectiveness. Nutrition Reviews, 70(3),188-200.

Hollands, G. J., et al. (2013). Altering choice architecture to change population health behaviour: a large-scale conceptual and empirical scoping review of interventions within micro-environments. University of Cambridge. **Inagami, S., et al. (2006).** You are where you shop: grocery store locations, weight, and neighborhoods. American Journal of Preventive Medicine, 31(1), 10-7.

Jasper, C., et al. (2012). Water and sanitation in schools: a systematic review of the health and educational outcomes. International Journal of Environmental Research and Public Health, 9(8), 2772-2787.

Kimmons, J., et al. (2012). Developing and implementing health and sustainability guidelines for institutional food service. Advances in Nutrition, 3(3), 337-342.

Muckelbauer, R., et al. (2013). Association between water consumption and body weight outcomes: a systematic review. American Journal of Clinical Nutrition, 98(2), 282-299.

Niebylski, M. L., et al. (2014). Healthy food procurement policies and their impact. International Journal of Environmental Research and Public Health, 11(3), 2608-2627.

Pan, A., et al. (2013). Changes in water and beverage intake and long-term weight changes: Results from three prospective cohort studies. International Journal of Obesity, 37(10), 1378.

Story, M., et al. (2008). Creating healthy food and eating environments: policy and environmental approaches. Annual Review of Public Health, 29, 253-272.

Zick, C., et al. (2009). Running to the store? The relationship between neighborhood environments and the risk of obesity. Social Science & Medicine, 69(10), 1493-1500.

Section 11: Vending Machines and Snack Bars

An, R., & McCaffrey, J. (2016). Plain water consumption in relation to energy intake and diet quality among US adults, 2005-2012. Journal of Human Nutrition and Dietetics, 29(5), 624-632.

Brooks, C. J., et al. (2017). A community-level sodium reduction intervention, Boston, 2013–2015. American Journal of Public Health, 107(12), 1951-

1957.

French, S. A., et al. (2001). Pricing and promotion effects on low-fat vending snack purchases: The CHIPS study. American Journal of Public Health, 91(1), 112-117.

Grech, A. & Allman-Farinelli, M. (2015). A systematic literature review of nutrition interventions in vending machines that encourage consumers to make healthier choices. Obesity Reviews, 16, 1030-1041.

Jasper, C., et al. (2012). Water and sanitation in schools: a systematic review of the health and educational outcomes. International Journal of Environmental Research and Public Health, 9(8), 2772-2787.

Kocken, P. L., et al. (2012). Promoting the purchase of low-calorie foods from school vending machines: a cluster-randomized controlled study. Journal of School Health, 82(3), 115-122.

Liberato, S. C., Bailie, R., & Brimblecombe, J. (2014). Nutrition interventions at point-of-sale to encourage healthier food purchasing: a systematic review. BMC Public Health, 14(1), 919.

Muckelbauer, R., et al. (2013). Association between water consumption and body weight outcomes: a systematic review. American Journal of Clinical Nutrition, 98(2), 282-299.

Niebylski, M. L., et al. (2014). Healthy food procurement policies and their impact. International Journal of Environmental Research and Public Health, 11(3), 2608-2627.

Pan, A., et al. (2013). Changes in water and beverage intake and long-term weight changes: results from three prospective cohort studies. International Journal of Obesity, 37(10), 1378-1385.

Story, M., et al. (2008). Creating healthy food and eating environments: policy and environmental approaches. Annual Review of Public Health, 29, 253-272.

Section 12: Emergency Procedures

Caffrey, S. L., et al. (2002). Public use of automated external defibrillators. New England Journal of Medicine, 347(16), 1242-1247.

Eisenman, D. P., et al. (2007). Disaster planning and risk communication with vulnerable communities: lessons from Hurricane Katrina. American Journal of Public Health, 97(Supplement_1), S109-S115.

Kette, F., et al. (2014). The importance of automated external defibrillation implementation programs. Resuscitation, 67-80.

Martin, M., et al. (2011). All-hazards, all communities: An approach to disaster preparedness and policy. Journal of Race & Policy, 7(1), 26-41.

New York City Fire Department. (2018). New York City Apartment Building Emergency Preparedness Guide. Retrieved from www.nyc.gov.

Schultz, C. H., Koenig, K. L., & Noji, E. K. (1996). A medical disaster response to reduce immediate mortality after an earthquake. New England Journal of Medicine, 334(7), 438-444.