

***CURRICULUM VITAE***  
**Lawrence Douglas Frank, Ph.D., AICP, ASLA**  
**Professor - Department of Urban Studies and Planning**  
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**EDUCATION**

Ph.D. of Urban Design and Planning, University of Washington, College of Architecture and Urban Planning, 1993.

Masters of Science in Civil Engineering Transportation Studies, University of Washington, School of Civil Engineering, 1990.

Bachelor of Landscape Architecture, University of Arizona, School of Renewable Natural Resources, 1985.

**EMPLOYMENT HISTORY**

*November 1, 2020 – Present* – Professor, Department of Urban Studies and Planning, University of California San Diego.

*1997- Present* – President, Urban Design 4 Health, Inc. San Diego, CA & Vancouver BC.

*November 1, 2020 – Present* – Affiliate Professor, School of Population and Public Health, University of British Columbia.

*January 1, 2010 – October 31, 2020* – Professor and Bombardier Chair, Schools of Population and Public Health and Community and Regional Planning, University of British Columbia. Director, Health and Community Design Lab, UBC.

*June 2003 - December 2009* – Associate Professor and Bombardier Chair, School of Community and Regional Planning, Faculty of Graduate Studies, University of British Columbia.

*2001- May 2003* – Associate Professor; City and Regional Planning Program, College of Architecture, Georgia Institute of Technology, Atlanta, Georgia.

*1995-2001* – Assistant Professor, City Planning Program, College of Architecture, Georgia Institute of Technology, Atlanta, Georgia.

*1993 – 1995* -- Transportation Planning Specialist IV, Office of Urban Mobility – Washington State Department of Transportation, Seattle, Washington.

## **PROFESSIONAL RECOGNITION**

Top ranked planning academic in North America [Google Scholar](#) in 2021.

Thompson and Reuters Highly Cited Researcher 2014 – Present: Top 1 % Globally.

Honorary Professor Healthy Cities, Hong Kong University College of Architecture  
2021 – 2026.

Honorary Visiting Professorship, University College London 2015-2020.

Bombardier Chairholder in Sustainable Transportation, University of British Columbia  
2002 - 2020.

Board Member – America Walks, 2016 – Present.

Alumni of the Year, University of Arizona, July 2013.

Journal of Planning Literature Top 10 Most Cited Article Award 2013.

Social Science and Medicine Top Tier Cited Article Award 2008-April 2013.

Non-resident Fellow of the Brookings Institution, 2007-2011.

Citation Abstract Award, Society of Behavioral Medicine, March 2006.

Urban Sprawl and Public Health Top 10 Books –Planetizen, September 2005.

Outstanding Research and Scholarship Award, Georgia Tech, May, 1999.

Sustainable Site Design Award, Atlantic Steel Redevelopment, American Institute of  
Architects, 1999.

Award of Distinction, American Institute of Architects, 1999.

## **Editorial Review Boards**

Journal of Transportation and Health, 2013-2018.

Journal of Transportation and Land Use, 2007-2012.

American Journal of Preventive Medicine, 2003-2015.

Journal of the American Planning Association, 1998-2007.

## **RESEARCH, SCHOLARSHIP, AND CREATIVE ACTIVITIES**

Google Scholar: H-Index 89 / i10-Index 180 / 41,703 Citations (November 2, 2021) – Profile and Most Cited Works Shown at This Link:

[https://scholar.google.ca/citations?user=sF\\_AKKQAAAAJ&hl=en](https://scholar.google.ca/citations?user=sF_AKKQAAAAJ&hl=en)

### **Editorial Services**

Special Issue on the Built Environment, Transport, and Public Health. 2016. Journal of Transport and Health. **Lead Guest Editor**.

### **Book Chapters Published**

**Frank, L.D.** “Healthy Communities,” in Independent for Life: Homes and Neighborhoods for an Aging America, ed. Henry Cisneros et al. *University of Texas Press* – 2013

**Frank, L.** and A. Bigazzi, “Transportation: Vancouver the City and Vancouver the Region”, invited book chapter in *Reclaiming Vancouver: Challenges of Globalization, Social Justice and Sustainability*, UBC Press.

**Frank, L.** Ulmer, J. Appleyard, B. Bigazzi, A. “Complete and Healthy Streets.” *Urban Design Companion*. Editors: Loukaitou-Sideris & Banerjee. Routledge.

### **Books in Print**

**Frank, L.D.**, Engelke, P.E., & Schmid, T.L. Health and Community Design: The Impacts of the Built Environment on Physical Activity. *Island Press* – Spring 2003.

Frumkin, H., **Frank, L.D.**, & Jackson, R. The Public Health Impacts of Sprawl. *Island Press* – Spring 2004.

### **Peer Reviewed Journal Articles – Under Review**

1. Rhew IC, Le VT, Kosterman R, Lovasi GS, **Frank LD**. *Submitted*. Associations of cumulative and point-in-time neighborhood poverty and walkability with body mass from age 30 to 39. American Journal of Preventive Medicine.
2. Saelens, B.E., Meenan, R.T., Keast, E., **Frank, L.D.**, Young, D.R., Fortmann, S.P (corresponding author). *Submitted*. Transit Use and Health Care Costs: A Cross-sectional Analysis Preventive Medicine.
3. Ulmer, J. Backman, D., Blain, CJA., Tretheway III, RL., **Frank, L.D.**, Jarlath, PM O’Neil-Dunne, Wolf, K. Neighborhood tree canopy associations with physical and mental health for children and adolescents. Submitted to Urban Forestry & Urban Greening.

**Peer Reviewed Journal Articles (*in Press* or Published)**

1. **Frank, LD**, Bigazzi, A, Hong, A., Minaker, L, Fisher, P, Raine, KD, *In Press*. Built Environment Influences on Healthy Eating and Active Living: the NEWPATH Study. Obesity.
2. Wali, B., **Frank, LD.**, Young, D., Meenan, R., Saelens, B., Dickerson, J., Fortmann, S. (2021). Causal evaluation of the health effects of light rail line: A Natural Experiment. *In Press*. Journal of Transport and Health.
3. **Frank, LD**, Adhikari, B, White, K, Dummer, T, Sandhu J, Demlow, E, Hu, Y, Hong, A, Van Den Bosch, M. Chronic Disease and Where You Live: Built and Natural Environment Relationships with Physical Activity, Obesity, and Diabetes. *In Press*. Environment International.
4. **Frank, LD**, Fox, E., Ulmer, J., Chapman, J. & Braun, L. (2021). Quantifying the health benefits of transit-oriented development: Creation and application of the San Diego Public Health Assessment Model (SD-PHAM). *In Press*. Journal of Transport Policy, 1-13. DOI: <https://doi.org/10.1016/j.tranpol.2021.10.005>
5. Wali, B. **Frank, L.D.** Neighborhood-level COVID-19 hospitalizations and mortality relationships with built environment, active and sedentary travel. Health & Place. Volume 71, 2021, 102659, ISSN 1353-8292, <https://doi.org/10.1016/j.healthplace.2021>.
6. Fox, E., Chapman, J., Moland, A., Alfonsin, N., **Frank, L.D.**, Sallis, J., Conway, T., Cain, K., Geremia, C., Cerin, E., Vanwolleghem, G., Van Dyck, D., Queralt, A., Molina-García, J., Hino, A.A.F., Lopes, A.A.S, Salmon, J., Timperio, A. & Kershaw, S.E. (2021). International evaluation of the Microscale Audit of Pedestrian Streetscapes (MAPS) Global instrument: comparative assessment between local and remote online observers. International Journal of Behavioral Nutrition and Physical Activity, 18(84). DOI: <https://doi.org/10.1186/s12966-021-01146-3>.
7. **Frank, L.D.** & Wali, B. (2021). Treating Two Pandemics for the Price of One: Chronic and Infectious Disease Impacts of the Built and Natural Environment. Sustainable Cities and Society, 103089. DOI: <https://doi.org/10.1016/j.scs.2021.103089>.
8. Adhikari, B, Delgado-Ron, A, Hong, A, Dummer, T, Van Den Bosch, M, Sandhu, J, Demlow, E, Hu, Yumian, **Frank, LD**. Community Design and hypertension: Walkability and park access relationships with cardiovascular health. 2021. Environmental Health Perspectives.
9. **Frank, L.D.**, Hong, A., Ngo, VD. Build it and they Will Cycle: Causal Evidence from the Vancouver Comox Greenway. 2021. Transport Policy.

10. Cain KL, Salmon J, Conway TL, Cerin E, Hinckson E, Mitas J, Schipperijn J, **Frank LD**, Anjana RM, Barnett A, Dygrýn J, Islam MZ, Molina-Garcia J, Moran M, Muda WWAM, Oyeyemi AL, Reis R, Santos MP, Schmidt T, Schofield G, Timperio A, van Dyck D, Sallis JF. 2021. The International Physical activity and Built Environment study of adolescents: IPEN Adolescent design, protocol and measures. BMJ Open;0:e046636. doi:10.1136/bmjopen-2020-046636.
11. Zhang, J. Hayashi, Y, **Frank, L.D.** COVID-19 and Transport: Findings from a World-wide Expert Survey. 2021. International Journal of Transport Policy.
12. Wali, B, **Frank, LD**, Chapman, J, Fox, E. Developing Policy Thresholds for Objectively Measured Environmental Features to Support Active Travel. 2021. Transportation Research Part D.
13. **Frank, LD**, Appleyard, B, Ulmer J, Chapman J, Fox, E, Comparing Walkability Methods: Creation of Street-Smart Walk Score and Efficacy of a Code-based 3D Walkability Index. 2021. Journal of Transportation and Health.
14. Kuntz J, Young DR, Saelens BE, Meenan RT, **Frank LD**, Keast E, Dickerson JF, Fortmann SP. Validity of the Exercise Vital Sign Tool to Assess Physical Activity. 2021. American Journal of Preventive Medicine.
15. Hua, J, Mendoza-Vasconez, AS, Chrisinger, BW, Conway, TL, Todd, M, Adams, MA, Sallis, JF, Cain, KL, Saelens, BE, **Frank, LD**, King, A. Associations of social cohesion and quality of life with objective and perceived built environments: a latent profile analysis among seniors, *Journal of Public Health*, 2020; fdaa217, <https://doi.org/10.1093/pubmed/fdaa217>
16. Ortega, A., Bejarano, C., Cushing, C.C., Staggs, V.S., Papa, A.E., Steel, C., Shook, R.P., Sullivan, D.K., Couch, S.C., Conway, T.L., Saelens, B.E., Glanz, K., **Frank, L.D.**, Cain, K.L., Kerr, J., Schipperijn, K., Sallis, J.F., & Carlson, J.A (2020). Differences in adolescent activity and dietary behaviors across home, school, and other locations warrant location-specific intervention approaches. *International Journal of Behavioral Nutrition and Physical Activity*.
17. Iroz-Elarado, N, Schoner, J, Fox, E, Chapman, J, **Frank, LD**. August 2020. Active travel and Social Justice: Addressing Disparities and Promoting Health Equity through a Novel Approach to Regional Transportation Planning. Social Science and Medicine.
18. Adhikari, B., Hong, A., **Frank, L.D.** Understanding travel behavior through changes in urban form, preference, and life events: A longitudinal study. (*in press*) Research in Transportation Business & Management.
19. Sallis, J.F., Cerin, E., Kerr, J., Adams, M.A., Sugiyama, T., Christiansen, L.B., Schipperijn, J., Davey, R., Salvo, D., **Frank, L.D.**, De Bourdeaudhuij, I., and Owen, N. (*in press*). Built environment, physical activity and obesity: Findings from the International Physical Activity and Environment Network (IPEN) Adult Study. *Annual Review of Public Health*

20. Cochrane T, Yu Y, Davey R, Cerin E, Cain KL, Conway TL, Kerr J, **Frank LD**, Chapman JE, Adams MA, Macfarlane D, Van Dyck D, Lai PC, Sarmiento OL, Troelsen J, Salvo D, Reis R, Mitáš J, Schofield G, Owen N, Sallis JF. Associations of built environment and proximity of food outlets with weight status: Analysis from 14 cities in 10 countries. *Prev Med*. 2019 Dec; 129:105874. PMID: 31654731

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21. Gavand KA, Cain KL, Conway TL, Saelens BE, **Frank LD**, Kerr J, Glanz K, Sallis JF. Associations Between Neighborhood Recreation Environments and Adolescent Physical Activity. *J Phys Act Health*. 2019 Sep 10; 1-6. PMID: 31509798.
22. **Frank, L.D.**, Hong, A., Ngo, V.D. (2019). Causal evaluation of urban greenway retrofit: A longitudinal study on physical activity and sedentary behavior. *Preventive Medicine*. [Volume 123](#), June 2019, Pages 109-116.
23. **Frank, L. D.**, Kershaw, S., Mayaud, J. Hong, A. Unmet demand for walkable neighborhoods in a mid-sized Canadian Community: Implications for planning. 2019. [Journal of Planning Education and Research](#).
24. **Frank, L. D.**, Iroz-Elardo, N., MacLeod, K. E., Hong, A. (2019). The pathways from built environment to health: Connecting behavior and exposure-based impacts. [Journal of Transport and Health](#). Vol 12. March 2019. Pages 319-335.
25. **Frank, LD**, Kuntz, JL, Chapman, J, Fox, E, Dickerson, Meenan, RT, Saelens, B, Young, DR, Boone-Heinonen, Fortmann, S, The Health and Economic Effects of Light Rail Lines: Design and Methods of a Natural Experiment. *In Press*. [BMC Public Health](#).

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26. Bejarano CM, Carlson JA, Cushing CC, Kerr J, Saelens BE, **Frank LD**, Glanz K, Cain KL, Conway TL, Sallis JF. Neighborhood built environment associations with adolescents' location-specific sedentary and screen time. *Health Place*. 2019 Mar; 56:147-154. PMID: 30743089
27. Chrisinger BW, King AC, Hua J, Saelens BE, **Frank LD**, Conway TL, Cain KL, Sallis JF. How Well Do Seniors Estimate Distance to Food? The Accuracy of Older Adults' Reported Proximity to Local Grocery Stores. *Geriatrics (Basel)*. 2019 Jan 10; 4(1). PMID: 31023979.
28. Benjamin W. C., King, A., Hua, J., Saelens, B., **Frank, L.D.**, Conway, T., Cain, K., Sallis, J. How well do seniors estimate distance to food? The accuracy of older adults' reported proximity to local grocery stores. *Geriatrics*. 2019,4(1):11. <https://doi.org/10.3390/geriatrics4010011>
29. Ngo, VD, **Frank, L.D.**, Bigazzi, A.Y. Effects of new urban greenways on transportation energy use and greenhouse gas emissions: A longitudinal study from Vancouver, Canada. 2018. [Transportation Research Part D](#).
30. Schoner J., Chapman, J., Brookes A., MacLeod K., Fox E., Iroz-Elardo, N, **Frank, L.D.**: Bringing health into transportation and land use scenario planning: Creating a National Public Health Assessment Model (N-PHAM). 2018. [Journal of Transportation and Health](#).

31. Saelens, B.E, Glanz, K., **Frank, L.D.**, Couch C.C., Zhou C., Colburn T, Sallis, J.F. 2018. Two-Year Changes in Child Weight Status, Diet, and Activity by Neighborhood Nutrition and Physical Activity Environment. Obesity, 26: 1338-1346.
32. Borner, K.B., Mitchell, T.B., Carlson, J.A., Kerr, J., Saelens, B.E., Schipperijn, J., **Frank, L.D.**, Conway, T.L., Glanz, K., Chapman, J.E., Cain, K.L., & Sallis, J.F. 2018. Latent profile analysis of young adolescents' physical activity across locations on schooldays. Journal of Transport & Health. [doi.org/10.1016/j.jth.2018.05.010](https://doi.org/10.1016/j.jth.2018.05.010).
33. Chrisinger, B. W., King, A. C., Hua, J., Saelens, B.E., **Frank, L.D.**, Conway, T.L., Cain, C., Sallis, J.F. How well do seniors estimate distance to food? The accuracy of older adults' reported proximity to local grocery stores. 2018. International Journal of Behavioral Nutrition and Physical Activity.
34. Hong, Andy, Sallis, James F., King, Abby C., Conway, Terry, Saelens, Brian, Cain, Kelli, **Frank, Lawrence**. Linking green space to social capital in older adults: The role of perceived safety. 2018. Social Science and Medicine.
35. Xu, Yu, C., Lee, C., **Frank, L.D.** Single Family Housing Value Resilience of Walkable Versus Unwalkable Neighborhoods during a Market Downturn: Causal Evidence and Policy Implications. Accepted to American Journal of Health Promotion.
36. Carlson, J.A., **Frank, L.D.**, Ulmer, J., Conway, T.L., Saelens, B.E., Cain, K.L., & Sallis, J.F. (2018). Work and Home Neighborhood Design and Physical Activity. American Journal of Health Promotion.
37. Hirsch, J., DeVries D.N., Brauer, M., **Frank, L.D.**, Winters, M. 2018. Impact of New Rapid Transit on Physical Activity: A Meta-Analysis. Preventive Medicine Reports. Published <https://doi.org/10.1016/j.pmedr.2018.03.008>.
38. Cain, K.L., Geremia, C.M., Conway, T.L., **Frank, L.D.**, Chapman, J.E., Fox, E.H., Timperio, A., Veitch, J., Van Dyck, D., Verhoeven, H., Reis, R., Augusto, A., Cerin, E., Mellecker, R.R., Queralt, A., Molina-García, J., Sallis, J.F. 2018. Development and Reliability of a Streetscape Observation Instrument for International Use: MAPS-Global. International Journal of Behavioral Nutrition and Physical Activity. 15(1):19. [doi.org/10.1186/s12966-018-0650-z](https://doi.org/10.1186/s12966-018-0650-z)
39. Sallis, J.F., Conway, T.L., Cain, K.L., Carlson, J.A., **Frank, L.D.**, Kerr, J., Glanz, K., Chapman, J.E., Saelens, B.E. Neighborhood built environment and socioeconomic status in relation to physical activity, sedentary behavior, and weight status of adolescents. 2018. Preventive Medicine. 110: 47-54.
40. Schipperijn, J. Cerin, E., Adams, M.A., Reis, R., Smith, G., Cain, K., Christiansen, L.B., van Dyck, D., Gidlow, C., **Frank, L.D.**, Mitáš, J., Pratt, M., Salvo, D.,

- Schofield, G., Sallis J.F. 2017. Access to parks and physical activity: an eight country comparison. Urban Forestry & Urban Greening. 27:253-263.
41. Clark, C., Sbihi, H., Tamburic, L., Brauer, M., **Frank, L.D.**, Davies, H. 2017. Association of long-term exposure to transportation noise and traffic-related air pollution with incident diabetes: a prospective cohort study. Environmental Health Perspectives. DOI:10.1289/EHP1279
42. Engelberg, J.K., Sallis, J.F., Conway, T.L., Cain, K.L., Geremia, C., **Frank, L.D.**, Glanz, K., Saelens, B.E. 2017. Moderators of objectively measured neighborhood safety and physical activity among adolescents. Annals of Behavioral Medicine 51: S738-S738.
43. Conway, T.L., Wang, X., Cain, K.L., **Frank, L.D.**, Saelens, B.E. Geremia, C., Kerr, J., Glanz, K., Carlson, J.A., Sallis, J.F. 2017. Psychosocial factors as moderators of associations between built environment and adolescents' active transportation. Annals of Behavioral Medicine 51: S1304-1305.
44. Carlson, J.A., Mitchell, T.B., Saelens, B.E., Staggs, V.S., Kerr, J., **Frank, L.D.**, Schipperijn, J., Conway, T.L., Glanz, K., Chapman, J.E., Cain, K.L., Sallis, J.F. 2017. Within-person associations of young adolescents' physical activity across five primary locations: is there evidence of cross-location compensation? International Journal of Behavioral Nutrition & Physical Activity. 14(1):50. doi: 10.1186/s12966-017-0507-x.
45. Cain, K.L., Gavand, K.A., Conway, T.L., Geremia, C.M., Millstein, R.A., **Frank, L.D.**, Saelens, B.E., Adams, M.A., Glanz, K., King, A.C., Sallis, J.F. 2017. Developing and validating an abbreviated version of the Microscale Audit for Pedestrian Streetscapes (MAPS-Abbreviated). Journal of Transport & Health. Available online 26 May 2017, ISSN 2214-1405.
46. Lee, S., Conway, T.L., **Frank, L.D.**, Saelens, B.E., Cain, K.L., Sallis, J.F. 2017. The relation of perceived and objective environment attributes to neighborhood satisfaction. Environment and Behavior. 49(2):136-60.
47. Thornton, C.M., Cain, K.L., Conway, T.L., Kerr, J., Saelens, B.E., **Frank, L.D.**, Glanz, K., Sallis, J.F. 2017. Relation of adolescents' physical activity to after-school recreation environment. Journal of Physical Activity and Health. 14(5):382-388.. doi: 10.1123/jpah.2016-0365.
48. Wang, X., Conway, T.L., Cain, K.L., **Frank, L.D.**, Saelens, B.E., Geremia, C., Kerr, J., Glanz, K., Carlson, J.A., Sallis, J.F. 2017. Interactions of psychosocial factors with built environments in explaining adolescents' active transportation. Preventive Medicine. 100:76-83. doi: 10.1016/j.ypmed.2017.04.008.
49. Thornton, C.M., Kerr, J., Conway, T.L., Saelens, B.E., Sallis, J.F., Ahn, D.K., **Frank, L.D.**, Cain, K.L., King, A.C. 2017. Physical Activity in Older Adults: An Ecological Approach. Annals of Behavioral Medicine. 51(2): 159-169.



50. **Frank, L.D.**, Fox, E.H., Ulmer, J.M., Chapman, J.E., Kershaw, S.E., Sallis, J.F., Conway, T.L., Cerin, E., Cain, K.L. Adams, M.A., Smith, G.R., Hinckson, E., Mavoa, S., Christiansen, L.B., Hino, A.A.F, Lopes, A.A.S., Schipperijn, J. 2017. International comparison of observation-specific spatial buffers: maximizing the ability to estimate physical activity. International Journal of Health Geographics, 16(4): 1-13.
51. King, A.C., Salvo, D., Banda, J.A., Ahn, D.K., Chapman, J.E., Gill, T.M., Fielding, R.A., Demons, J., Tudor-Locke, C., Rosso, A., Pahor, M. **Frank, L.D.** 2017. Preserving older adults' routine outdoor activities in contrasting neighborhood environments through a physical activity intervention. Preventive Medicine, 96: 87-93.
52. Thornton, C.M., Conway, T.L., Cain, K.L., Gavand, K.A., Saelens, B.E., **Frank, L.D.**, Geremia, C.M., Glanz, K., King, A.C., & Sallis, J.F. 2016. Disparities in pedestrian streetscape environments by income and race/ethnicity. SSM-Population Health. 2:206-216.
53. Sallis, J.F., Bull, F., Burdett, R., **Frank, L.D.**, Griffiths, P., Giles-Corti, B., Stevenson, M. 2016. Use of science to guide city planning policy and practice: how to achieve healthy and sustainable future cities. Lancet. 388(10062):2936-47.
54. Christiansen, L.B., Cerin, E., Badland, H., Kerr, J., Davey, R., Troelsen, J., van Dyck, D., Mitas, J., Schofield, G., Sugiyama, T., Salvo, D., Sarmiento, O.L., Reis, R., Adams, M., **Frank, L.**, Sallis, J.F. 2016. International comparisons of the associations between objective measures of the built environment and transport-related walking and cycling: IPEN Adult Study. Journal of Transport & Health. 3(4):467-78.
55. Todd, M., Adams, M.A., Kurka, J., Conway, T.L., Cain, K.L., Buman, M.P., **Frank, L.D.**, Sallis, J.F., King, A.C. 2016. GIS-measured Walkability, Transit, and Recreation Environments in Relation to Older Adults' Physical Activity: A Latent Profile Analysis. Preventive Medicine. 93:57-63. doi: 10.1016/j.ypmed.2016.09.019.
56. Engelberg, J.K., Carlson, J.A., Conway, T.L., Cain, K.L., Saelens, B.E., Glanz, K., **Frank, L.D.**, and Sallis, J.F. 2016. Dog walking among adolescents: Correlates and contribution to physical activity. Preventive Medicine. 82(1):65-72.
57. Sallis, J., Cerin, E., Conway, T., Adams, M., **Frank, L.D.**, Pratt, M., Salvo, D., Schipperijn, J., Smith, G., Cain, K., Davey, R., Kerr, J., Lai, P., Mitas, J., Reis, R., Sarmiento, O., Schofield, G., Troelsen, J., Van Dyck, D., De Bourdeaudhuij, I., Owen, N. 2016. Physical activity in relation to urban environments in 14 cities worldwide: a cross-sectional study. The Lancet. 387(10034):2207-17.
58. Esteban-Cornejo, I., Carlson, J.A., Conway, T.L., Cain, K.L., Saelens, B.E., **Frank, L.D.**, Glanz, K., Roman, C.G., Sallis, J.F. 2016. Parental and adolescent perceptions

of neighborhood safety related to adolescents' physical activity in their neighborhood. Research Quarterly for Exercise and Sport. 87(2):191-9.

59. Engelberg, J.K., Conway, T.L., Geremia, C., Cain, K.L., Saelens, B.E., Glanz, K., **Frank, L.D.**, Sallis, J.F. 2016. Socioeconomic and race/ethnic disparities in observed park quality. BMC Public Health. 16:395.
60. Ulmer JM, Wolf KL, Backman DR, Tretheway RL, Blain CJ, O'Neil-Dunne JP, **Frank LD**. 2016. Multiple health benefits of urban tree canopy: The mounting evidence for a green prescription. Health and Place. Nov; 42:54-62.
61. White, M.N., King, A.C., Sallis, J.F., **Frank, L.D.**, Saelens, B.E., Conway, T.L., Cain, K.L., and Kerr, J. 2016. Caregiving, transport-related, and demographic correlates of sedentary behavior in older adults: The Senior Neighborhood Quality of Life Study (SNQLS). Journal of Health and Aging. 28(5):812-33.
62. Minaker, L.M., Olstad, D.L., Thompson, M.E., Raine, K.D., Fisher, P, **Frank, L.D.** 2016. Associations between frequency of food shopping at different store types and diet and weight outcomes: Findings from the NEWPATH study. Public Health Nutrition. 19(12):2268-77.
63. Carlson, J.A., Schipperijn, J., Kerr, J., Saelens, B.E., Natarajan, L., **Frank, L.D.**, Glanz, K., Conway, T.L., Chapman, J.E., Cain, K.L., and Sallis, J.F. 2016. Locations of physical activity as assessed by GPS in young adolescents. Pediatrics. 137(1). doi: 10.1542/peds.2015-2430.
64. Lachapelle, U., **Frank, L.D.**, Sallis, J.F., Saelens, B.E., and Conway, T.L. 2015. Active transportation by transit-dependent and choice riders and potential displacement of other physical activity. Journal of Planning Education and Research. 36(2): 225-238.
65. **Frank, L.D.**, Ulmer, J.M., Chapman, J.D., Kershaw, S., Campbell, M. 2015. Application of an Evidence-Based Tool to Evaluate Health Impacts of Changes to the Built Environment. Canadian Journal of Public Health. 106(1), eS26-eS32.
66. Adams, M.A., Todd, M., Kurka, J., Conway, T.L., Cain, K.L., **Frank, L.D.**, Sallis, J.F. 2015. Patterns of Walkability, Transit, and Recreation Environment for Physical Activity. American Journal of Preventive Medicine 49(6): 878–87. doi:10.1016/j.amepre.2015.05.024.
67. Kercood, S., Conway, T.L., Saelens, B.E., **Frank, L.D.**, Cain, K.L., Sallis, J.F. 2015. Parent Rules, Barriers, and Places for Youth Physical Activity Vary by Neighborhood Walkability and Income. Children, Youth and Environments 25(1): 100–118. doi:10.7721/chilyoutenvi.25.1.0100.

68. Kneeshaw-Price, S.H., Saelens, B.E., Sallis, J.F., **Frank, L.D.**, Grembowski, D.E., Hannon, P.A., Smith, N.L., Chan, K.C.G 2015. Neighborhood Crime-Related Safety and Its Relation to Children’s Physical Activity. Journal of Urban Health 92(3): 472–89. doi:10.1007/s11524-015-9949-0.
69. Kurka, J.M., Adams, M.A., Todd, M., Colburn, T., Sallis, J.F., Cain, K.L., Glanz, K., **Frank, L.D.**, Saelens, B.E. 2015. Patterns of Neighborhood Environment Attributes in Relation to Children’s Physical Activity. Health & Place 34: 164–70. doi:10.1016/j.healthplace.2015.05.006.
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180. **Frank LD.** 1998. Improving Air Quality through Growth Management and Travel Reduction Strategies. Journal of Urban Planning and Development. 124(1), 11-32.
181. **Frank LD.** Pivo G. 1994. Impacts of Mixed Use and Density on Utilization of Three Modes of Travel: Single-occupant Vehicle, Transit, and Walking. Transportation Research Record. 1466, pp. 44-52.
182. Rutherford G. **Frank, L.D.** Tull A. 1991. The Development of Private Services at Park and Ride Lots in the Central Puget Sound. Transportation Research Record. 1308, pp. 101-111.

**FUNDING**

<b>Role</b>	<b>Start Date</b>	<b>End Date</b>	<b>Funding Amount</b>	<b>Funding Source</b>	<b>Project Title</b>
PI	2020	2022	\$552,000	Real Estate Foundation of British Columbia, City of North Vancouver, Metro Vancouver, Ministry of Transportation and Infrastructure, MITACS	<i>Where Matters</i> Phase II: Documenting Health, GHG, and Economic Benefits of Sustainable Development and Transport Investment in the Lower Mainland
PI	2019	2020	\$60,000	Canada Institutes for Health Research	Longitudinal Built and Natural Environment Data Linkage with Canadian Health Cohorts
PI	2016	2019	\$320,000	Real Estate Foundation of British Columbia, City of Vancouver, Metro Vancouver, TransLink	<i>Where Matters</i> Phase I: Documenting Health and Economic Benefits of Sustainable Development and Transport Investment in the Lower Mainland
PI	2017	2019	\$85,000	Metro Vancouver and TransLink	2016 Metro Vancouver Walkability Index
PI	2017	2017	\$23,913	City of Vancouver	The Health Impacts of Rail Transit Investment: Synthesis of Evidence and Methodologies to Date

PI	2016	2019	\$320,000	Real Estate Foundation of British Columbia, City of Vancouver, Metro Vancouver, TransLink	<i>Where Matters</i> Phase I: Documenting Health and Economic Benefits of Sustainable Development and Transport Investment in the Lower Mainland
PI	2015	2016	\$150,000.00	South California Association of Governments	Economic Assessment of Health Care Cost Savings of Bike Infrastructure
PI	2014	2016	\$289,323	Canadian Institute for Health Research	Evaluating Causal Relationships between Built Environment Characteristics, Health Care Utilization Patterns, and Costs in British Columbia
CO-PI	2014	2018	\$2,500,000	National Institutes of Health, National Cancer Institute	Longitudinal Assessment of Health Impacts and Costs of the Portland - Milwaukee Light Rail Extension
PI	2013	2014	\$25,000	Canadian Longitudinal Study of Aging and Canadian Institute for Health Research	Leveraging The 50,000 person Canadian Longitudinal Study on Aging to Evaluate Causal Built Environmental Impacts on Aging
PI	2012	2015	\$160,000	City of Vancouver	Health Impacts of the Comox Corridor Greenway
PI	2012	2012	\$43,000.00	Region of Waterloo	Modeling Non-Motorized Travel Relationships with Neighborhood Design
PI	2012	2012	\$72,000.00	City of Vancouver	Predicting Active Travel Demand
CO-PI	2011	2014	\$2,500,000	National Institute for Health (R-01)	IPEN: International Physical Activity Environment Network (Adolescent)
CO-PI	2011	2014	\$2,500,000	National Heart, Lung and Blood Institute (R-01)	Seniors Neighborhood Quality of Life Study – Follow Up

PI	2011	2012	\$37,204.00	Translink	Integrating Health into Transportation Planning in the Metro Vancouver Region
PI	2011	2013	\$507,665.00	Centers for Disease Control (San Diego Association of Governments)	Healthy Communities Assessment Tool
PI	2010	2015	\$600,000.00	Heart and Stroke Foundation and Canadian Institute for Health Research	Movers Study – Evaluating Changes in Travel, CO2, Diet, Energy use, and Physical Activity for Movers into Concorde Pacific Developments
CO-PI	2010	2013	\$1,500,000.00	Canada Institute for Health Research	Health Aging Impacts of the Built on Quality of Life in Older Canadians
PI	2010	2012	\$10,000.00	Interior Health	Health Impact Assessment Tool Update
PI	2010	2012	\$415,000.00	City of Toronto	CLASP Evidence Based Tool and Residential Preference Survey
PI	2010	2011	\$140,000.00	Washington State Department of Transportation	Impact Vehicle Miles Traveled Through Coordinated Transportation Investments
PI	2010	2011	\$300,000.00	Robert Wood Johnson Foundation	Validating Walkscore
PI	2010	2010	\$20,000.00	Bombardier and City of Vancouver	Vancouver Street Car Event: A Desire Named Street Car
Investigator	2009	2014	\$100,000.00	Social Sciences and Humanities Research Council of Canada (SSHRC)	Climate Justice: Paths to an Equitable and Sustainable BC Economy
PI	2009	2012	\$750,000.00	Heart and Stroke Foundation, Region of Waterloo, CIHR	NEWPATH Waterloo Project - Relationships between Neighborhood Form, Transportation Investment and Obesity
PI	2009	2011	\$280,000.00	Region of PEEL, Canada	PEEL Region Health Assessment Tool



PI	2009	2010	\$48,000.00	Century Group Lands Corporation	Transportation Demand Management Plan
PI	2009	2010	\$20,000.00	BC Real Estate Foundation	An Assessment of Travel and Activity Patterns Before and After Moving
CO-PI	2008	2009	2,500,000.00	National Institute of Health, National Heart, Lung, Blood Institute (R-01)	Neighborhood Impact on Physical Activity in At- Risk Older Adults
Invest- igator	2007	2011	\$84,766.00	National Institute of Health, National Cancer Institute	IPEN: International Study of Built Environment, Physical Activity, and Obesity
CO-PI	2007	2011	2,500,000.00	National Institute of Health, National Heart, Lung, Blood Institute (R-01)	Ecological Analysis of Activity, Eating & Weight in Adolescents
Invest- igator	2007	2010	\$40,000.00	US Department of Agriculture	Built Environment and Nutrition in Kids (BEATNIK)
PI	2007	2009	\$250,000.00	Heart and Stroke Foundation	An Integrated Approach To Evaluating The Impacts Of Physical Activity, Diet, And Built Environments On Obesity In The Waterloo Region
PI	2007	2008	\$38,500.00	BC Parks and Recreation Authority	Transit Ridership, Walking, and Urban form Interactions
PI	2006	2009	\$115,680.00	U.S Environmental Protection Agency (ICF International)	Impacts of School Siting and Design on Travel, Environment, Health, and Safety
PI	2006	2008	\$59,052.00	City of Chino, California (Design Community and Environment)	Chino General Plan
PI	2006	2006	\$15,000.00	BC Ministry of Health	Case Studies of Health Intervention in Built Environment Decision Making
PI	2006	2006	\$40,000.00	Vancouver Foundation	Physical Activity and Health Impacts of Urban Form

PI	2006	2006	\$35,000.00	Provincial Health Services Authority	Summary of Key Policy Messages on Health and the Built Environment
PI	2006	2006	\$15,000.00	Canada Institute for Health Research	Youth Travel Patterns to School
CO-PI	2005	2010	\$2,500,000	National Institute of Health (R-01)	Child Weight Status and Neighborhood Physical Activity and Nutrition Environment
PI	2005	2009	\$120,000.00	Canada Foundation for Innovation	Bombardier Active Transportation Lab
PI	2005	2007	\$133,000.00	Canada Foundation for Innovation	Bombardier Active Transportation Lab
PI	2005	2006	\$40,000.00	Vancouver Foundation	Assessing Physical Activity Relationships With Neighborhood Walkability in the Vancouver Region
PI	2005	2006	\$65,000.00	Canadian Institute for Health Research	Creating a Walkability Surface for the Vancouver Region
PI	2005	2006	\$27,000.00	Canada Institute for Health Research	Measuring Air Quality Impact of Walkability in the Vancouver Region
PI	2005	2006	\$25,000.00	Canada Mortgage and Housing Corporation (CMHC)	The Fused Grid: An Assessment of Travel Behavior Relationships of Contrasting Levels of Vehicular and Pedestrian Connectivity
CO-PI	2004	2009	2,500,000	National Heart, Lung and Blood Institute (R-01)	Neighborhood Impact on Physical Activity in Older Adults
PI	2004	2005	\$20,000.00	Smart Growth BC	Assessing Urban Form Relationships With Physical Activity and Health
PI	2003	2004	\$220,000.00	Washington State Department of Transportation	Air Quality, Travel Behavior and Land Use Correlation Analysis in the Central Puget Sound
Chair / PI	2002	2012	\$1,000,000	J. Armand Bombardier Foundation	Bombardier Chair in Sustainable Transportation

PI	2002	2003	\$23,000.00	Bullitt Foundation and the Center for Clean Air Policy	Assessing Urban Form Impacts on Greenhouse Gas Production
CO-PI	2001	2005	\$2,500,000	National Institute of Health, National Heart Lung, Blood Institute	Ecological Analysis of Physical Activity – “Neighborhood Quality of life Study”
PI	2001	2003	\$400,000.00	Atlanta Regional Commission	Regional Household Travel Survey
PI	2001	2002	\$24,000.00	Centers for Disease Control and Prevention	Environmental and Ecological Analysis of the Group Health Silver Sneakers Households in the Central Puget Sound Region
PI	2000	2004	\$2,480,000.00	USDOT / Georgia Regional Transportation Authority (GRTA)	Strategies for Metro Atlanta’s Regional Transportation and Air Quality
PI	2000	2003	\$280,000.00	Federal Transit Administration	Built Environment Impacts on Travel Choice, Physical Activity, and Health in King County WA
PI	1998	2002	\$75,000.00	Centers for Disease Control and Prevention	Non-Motorized Travel within the Atlanta 2000 Household Travel Survey
PI	1998	2001	\$60,000.00	Environmental Protection Agency	Integrating Travel Behavior and Urban Form Data to Address Transportation and Air Quality Problems in Atlanta
PI	1998	1999	\$45,000.00	Centers for Disease Control and Prevention	Land Use Impacts on Travel Choice and Physical Activity
PI	1998	1999	\$40,000.00	Turner Foundation	The Effect of Regional Location and Land Use on Travel and Air Quality in Atlanta – Phase II
PI	1998	1998	\$10,000.00	City of Atlanta, Turner, Georgia Tech Foundation	Redevelopment of the Lindbergh MARTA Station Area: Transit Supportive Community

PI	1997	1998	\$8,900.00	Georgia Tech Foundation	Developing a Regional Land Use, Transportation, and Air Quality Database in Atlanta
PI	1997	1998	\$50,000.00	Washington State Department of Ecology / Environmental Protection Agency	Integrating Community Development & Air Quality Modeling Practices
PI	1997	1998	\$35,000.00	Turner Foundation	The Effect of Land Use on Travel and Air Quality in Atlanta – Phase I"
PI	1996	1998	\$95,000.00	Washington State Department of Ecology / Environmental Protection Agency	Conveying Air Quality and Travel Benefits of Land Use Based Transportation Control Measures
PI	1994	2004	\$1,400,000.00	USDOT / Georgia Department of Transportation	Strategies for Metro Atlanta's Regional Transportation and Air Quality
PI	1994	1995	\$11,000.00	Ryan White AIDS Care Planning Act	An Assessment of Transportation Needs and Solutions of Persons Living With AIDS in King County, Washington
PI	1993	1994	\$50,000.00	North Central Washington Economic Development Council	The Chelan - Douglas Multi-Modal Transportation Complex: Preliminary Feasibility Analysis of Policies, Case History, Modal Characteristics, and Economic Opportunities
RA	1992	1994	\$75,000.00	Washington State Department of Transportation (WSDOT)	An Analysis of Urban Form Relationships with Travel Behavior (Sole Authored Grant)

### **Non-Peer Reviewed Popular Reports**

**Lawrence Frank**, Sarah Kavage, Andrew Devlin, Urban Design 4 Health, Ltd. 2012. Health and the Built Environment: A Review. [The Canadian Medical Association and World Medical Association.](#)

**Lawrence Frank**, Sarah Kavage, George Poulos, Eric Fox, Urban Design 4 Health, Ltd. 2012. Lessons from the City of Vancouver: How to Accommodate Growth & Create a More Sustainable Transportation System at the Same Time. [Infrastructure Canada.](#)

Urban Design 4 Health, Ltd. 2010. The Hidden Health Costs of Transportation. [American Public Health Association.](#)

Goldberg, D, **L Frank**, B McCann, J Chapman and S Kavage. 2009. New Data for a New Era - A Summary of the SMARTRAQ Findings: Linking Land Use, Transportation, Air Quality, and Health in the Atlanta Region. [Metro Atlanta.](#)

**Frank, Lawrence**, Kavage, Sarah, Litman, Todd. 2006. Promoting Public Health Through Smart Growth. [Smart Growth BC.](#)

### **Agency Sponsored Research Reports**

1. **Lawrence Frank**, Michael Brauer, Meghan Winters. The Health Impacts of rail Transit Investment: synthesis of evidence and methodologies to date. December 2017. City of Vancouver.
2. **Lawrence Frank**, Jim Chapman, Suzanne Kershaw, Kim Perrotta, and Monica Campell. Toronto Public Health and Urban Design for Health. A Health and Environment-Enhanced Land Use Planning Tool: Highlights. April 2013. City of Toronto.
3. Andrea Procyk, **Lawrence Frank**, Josh van Loon, Anastasia Frank, George Poulos, and Sean Bohle. Integrating Health into Transportation Planning in the Metro Vancouver Region: Context Report. February 2013. Translink.
4. **Larry Frank**, Jim Chapman, Suzanne Kershaw, Jared Ulmer and Sarah Kavage, UD4H. The Health-Based Decision-Support Tool: Enabling Public Health, Transportation & Land Use Planners to Assess Key Health Impacts of Urban Design. 2012. Toronto Public Health.
5. Urban Design 4 Health, Inc. 2012. Enhancing Walk Score's Walk Index to Facilitate Predicting Health-based Outcomes of Active Transportation – Phase 2. Robert Wood Johnson Foundation.

6. Urban Design 4 Health, Inc. 2012. Health Impact Enhancements to CommunityViz: Model Application and Case Studies. The San Diego Association of Governments.
7. Urban Design 4 Health, Ltd and Placeways. 2012. “Health Communities Atlas.” San Diego Associations of Governments (SANDAG).
8. Urban Design 4 Health, Ltd and Placeways. 2012. “Health Impact Enhancements to CommunityViz: Methodology.” San Diego Associations of Governments (SANDAG).
9. Urban Design 4 Health, Ltd. 2012. “Results of Health Analysis: Health Impact and Forecasting Assessment.” San Diego Associations of Governments (SANDAG).
10. Urban Design 4 Health, Ltd., Mark Bradley & Parsons Brinckerhoff. 2012. “Health Impact Enhancements to the SANDAG Activity Based Travel Model.” San Diego Associations of Governments (SANDAG).
11. **Larry Frank**, Jim Chapman, Suzanne Kershaw, Jared Ulmer, Sarah Kavage, Urban Design 4 Health. 2012. “A Health-Based Decision Support Tool: Enabling Public Health, Transportation & Land Use Planners to Assess Key Health Impacts of Urban Design Scenarios.” Toronto Public Health.
12. Urban Design 4 Health, Ltd. 2012. “CLASP Software Tool Pilot Study Area: West Don Lands, Toronto.” Toronto Public Health.
13. **Larry Frank**, Jim Chapman, Suzanne Kershaw, Sarah Kavage, Urban Design 4 Health, Ltd. 2012. “City and Regional Residential Preference Survey Results for Toronto and Vancouver: A CLASP Final Report.” Toronto Public Health.
14. Sarah Kavage, **Lawrence D. Frank**, George Poulos. Urban Design 4 Health Ltd. 2012. “The Vancouver Case Study: Innovations in Creating a Sustainable Transportation System.” Infrastructure Canada.
15. **Lawrence D. Frank**, Jim Chapman, Eric Fox, Jared Ulmer Urban Design 4 Health, Inc. 2012. “Teen Environment & Neighborhood Study (TEAN): Final Report—Macro Built Environment.” Dr. Jim Sallis, University of California, San Diego.
16. **Frank, L.D.**, van Loon, J, and G Poulos. 2012. “Active Transportation Modeling & Forecasting for the City of Vancouver.” City of Vancouver.
17. Jared Ulmer, **Lawrence Frank**, Eric Fox, 2012. “Enhancing Walk Score’s Walk Index to Facilitate Prediction Health-based Outcomes of Active Transportation – Phase 2.” Robert Wood Johnson Foundation.
18. Procyk, Andrea, **Lawrence Frank**, 2012. Josh Van Loon, Anastasia Frank, George Poulos and Sean Bohle. 2012. “Integrating Health into Transportation Planning in the Metro Vancouver Region: Context Report.” Translink.

19. Procyk, Andrea, **Lawrence Frank**. 2011. “United Way Senior Vulnerability Report – November 2011 – Discussion Paper #3: Transportation, Community Design and Healthy Aging.” United Way.
20. Devlin, Andrew, **Lawrence Frank** and Josh Van Loon. “Physical Activity and Transportation Benefits of Walkable Approaches to Community Design in British Columbia.” British Columbia Recreation and Parks Association. Jan 31, 2009. 33 pages.
21. **Frank, Lawrence**, Winters, Meghan, Patterson, Brian, Craig, Cora. 2009. “Promoting Physical Activity through Healthy Community Design.” Vancouver Foundation.
22. **Frank, Lawrence**, Andrew Devlin, S Johnstone and Josh Van Loon. 2009. “Promoting Physical Activity through Healthy Community Design Index.” University of British Columbia.
23. **Frank, L.**, Chapman, J., Kavage, S., “King County Transportation, Health, and Urban Form Study.” King County.
24. **Frank, Lawrence**, Kavage, Sarah, Raine, Kim. 2007. “Key Messages for Policy Development on Health and the Built Environment in British Columbia.” Provincial Health Services Authority.
25. **Frank, L**, Hawkins, C. 2007. “Fused Grid Assessment: Travel and environmental impacts of contrasting pedestrian and vehicular connectivity.” Canada Mortgage and Housing Authority.
26. **Frank, Lawrence**, Winters, Meghan, Patterson, Brian, Craig, Cora. 2007. “Physical Activity and Obesity Relationships with Built Form in the Vancouver Region.” Vancouver Foundation.
27. Raimi, Matthew, Ewing, Reid, **Frank, Lawrence**. 2006. “US Green Building Council LEED ND – Built Environments and Public Health Report.”
28. **Frank, Lawrence, D.** James Chapman, Sarah McMillan, Ann Carpenter. 2004. “Performance Measures for Regional Monitoring.” Georgia Regional Transportation Authority.
29. **Frank, Lawrence**, Jonathan Levine, D. James Chapman, Sarah McMillan, Ann Carpenter. 2004. “Transportation and Land Use Preferences and Atlanta’s Neighborhood Choices.” Georgia Regional Transportation Authority.
30. **Frank, Lawrence**, Martin Andresen, James Chapman, Ann Carpenter. 2004. “Mode Choice and Urban form in Metropolitan Atlanta.” Georgia Department of Transportation.

31. Chapman, Janes, **Lawrence Frank**, Christopher Leerssen, Ann Carpenter. 2004. "Modeling the Air Quality Benefits of the Atlanta Regional Commissions Livable Centers Initiative." Georgia Regional Transportation Authority.
32. **Frank, Lawrence**, Jean Wolf, James Chapman, Ann Carpenter. 2004. "Measuring How We Move Through Space: Application of GPS Technology to Non-Motorized Travel." Georgia Department of Transportation.
33. **Frank, Lawrence D.** and Peter Engelke. 2000. "The Impacts of the Built Environment on Physical Activity and Public Health." Centers for Disease Control and Prevention.
34. Peter Engelke and **Lawrence D. Frank**. 2000. "Assessing the Effects of the Built Environment on Non-Motorized Travel Patterns in Seattle." Centers for Disease Control and Prevention.
35. **Frank, Lawrence D.** and Peter Engelke. 2000. "An Annotated Bibliography of Research on Land Development and Transportation Practices that Impact Physical Activity and Health." Centers for Disease Control and Prevention.
36. **Frank, Lawrence D.**, 1999. "The Impacts of Land Use on Travel Demand and Vehicle Emissions in Atlanta." Turner Foundation.
37. **Frank, Lawrence D.** 1998. "The Redevelopment of The Atlantic Steel Site into a Compact, Mixed Use Community." Project XL Proposal to the EPA.
38. **Frank, Lawrence D.** and Brian Stone, Jr. 1998. "Land Use Effects on Travel Demand and Air Quality." Washington State Department of Ecology and the Environmental Protection Agency.
39. **Frank, Lawrence D.** 1998. "The Redevelopment of the Lindbergh MARTA Station Area: Creating a Transit Supportive Community." City of Atlanta, Turner Foundation, Georgia Tech Foundation.
40. **Frank, Lawrence**, and Angela Minton, 1996. "Land Use Effects on Travel Demand and Air Quality: A Review of Federal, State, and Regional Policies." Washington State Department of Ecology.
41. **Frank, Lawrence**, and Molly E. Buchanan, 1996. "Findings and Critiques of Empirical Studies Relating Land Use, Travel Behavior, and Air Quality." Washington State Department of Ecology.
42. Rutherford, G. Scott, **Frank, Lawrence D.**, and Tull, Andrea. 1996. "The Development of Private Services at Park and Ride Locations in the Central Puget Sound." Washington State Department of Transportation.



43. **Frank, Lawrence D.**, McBryan, Bonnie, and Hunter, Carol. 1995. "An Assessment of Transportation Needs and Solutions for Persons Living With AIDS in King County, Washington." King County, Washington.
44. **Frank, Lawrence D.** and Pivo, Gary. 1994. "An Analysis of Relationships between Urban Form (Density, Mix, and Jobs: Housing Balance) and Travel Behavior (Modal Choice, Trip Generation, Trip Distance, and Travel Time)." Washington State Department of Transportation.
45. **Frank, Lawrence D.** and Pivo, Gary. 1994. "Land Use and Travel Behavior in the Central Puget Sound Region." Washington State Department of Transportation.
46. **Frank, Lawrence D.** and Stone, Craig J. 1994. "Applying Concurrency Requirements to State Highways and Ferries." Washington State Department of Transportation.
47. **Frank, Lawrence D.** 1994. "Locating Pedestrian Improvements Based on Existing Travel Patterns: An Analysis of Non-Motorized Travel Patterns From the Seattle CBD to Colman Dock" in *Colman Dock: Going Places*. Washington State Department of Transportation.
48. **Frank, Lawrence D.**, Greco-Smith, Theresa, and Davis-Bloom, Dennis. 1993. "The Wenatchee Multi-Modal Transportation Complex Feasibility Analysis." North Central Washington Economic Development Council.
49. Pivo, Gary, Moudon, Anne, Hess, Paul, Perkins, Kit, **Frank, Lawrence**, and Loewenherz, Franz. 1992. "An Agenda for Research on Urban Form and Travel Behavior." Washington State Department of Transportation.
50. Pivo, Gary, and **Frank, Lawrence D.** 1991. "The Development of a Performance Monitoring System for the Washington State Transportation Policy Plan." Washington State Department of Transportation.

### **Public Forums and Workshops**

1. "Where Matters: The Health and Economic Impacts of Where We Live" May 7<sup>th</sup> Symposium. Vancouver, BC. **Keynote Speaker and Host.**
2. "Healthy aging and where you live: Promoting well-being through community design." October 2014. Workshop and Public Forum: The Road Ahead for Older Canadians, UBC Health and Community Design Lab, Vancouver, BC, October 8-9, 2014. **Speaker and Host.**
3. "Healthy Aging and Where You Live." May 2014. The Road Ahead for Older Canadians, Vancouver, Canada. **Speaker.**

4. “Urban Design and Modal Integration – Lessons from Other Places.” September 2010. Streetcars: The Missing Link? Vancouver, BC, September 29, 2010. **Speaker and Host.**

### **Presentations**

1. “New Tools and New Data: Documenting Health and Economic Benefits of Walkable Communities”. The Centers for Disease Control and Prevention, Atlanta Ga November 2017. **Invited Lecture.**
2. “Development of a National Built, Natural & Social Environmental Indicator Database. American Public Health Association annual meeting”. Atlanta, GA. November 2017. **Conference Presentation.**
3. “Neighborhood walkability, driving time, and sedentary behavior among Canadian adults”. The 57th Annual Conference of the Association of Collegiate Schools of Planning, Denver, CO. October 2017. **Conference Presentation.**
4. Monetizing the Health Impacts of the Built Environment. Workshop. America Walks Conference. September 2017. **Conference Presentation**
5. Monetizing health using cost-of-illness and input-output economic models. ISBNPA conference. Victoria, BC. June 2017. **Conference Presentation**
6. Measuring Walkability Impacts on Chronic Disease. National Association of Cancer Registries Conference. Albuquerque, New Mexico. June 2017. **Invited Lecture**
7. Health and Built Environment Planning Tools. Let’s Talk Health Series. City of Edmonton. April 2017. **Invited Lecture and Seminar**
8. “Emerging Tools and Data to Predict Health Impacts of the Built Environment” EPI Lifestyle Conference. American Heart Association. Portland Oregon. March 2017. **Invited Keynote Lecture.**
9. “Walkability Pays: Making Smart Decisions about “Healthy” Investments”. New Partners for Smart Growth Conference. St. Louis, MO. Feb 2017. **Conference Presentation.**
10. “Evidence and Tools to Monetizing the Health Benefits of a Walkable Urban Form” Plenary Presentation. Decarbonising transport: smart mobility innovation for sustainable cities. November 2016, Berlin, Germany. **Invited Lecture Presentation**

11. “Health, Built Environment, Transport: An Overview” Seminario Internacional Ciudades A Escala Humana Salud, Transporte Y Urbanismo. Santiago de Chile, October 2016. **Keynote Presentation.**
12. “Health and Community Design: State of the Evidence and Practice.” Public Health and Built Environment Event. Reykjavik, Iceland, October 2016. **Keynote Presentation.**
13. “National Environmental Measures Database: Built, Natural, and Social Predictors of a Culture of Health”. Physical Activity and Public Health Research Network (PAPRN). San Diego, CA. April 2016. **Invited Lecture Presentation at Seminar.**
14. “An International Perspective of the Health Impacts of Community Design” University College London, December 2015. **Invited Lecture Presentation at Seminar.**
15. “Building the Evidence Based to Quantify Physical Activity and Air Quality Impacts of the Built Environment” Imperial College, December 2015. **Invited Lecture Presentation at Seminar.**
16. “Analytical Tools and Methods to Measure the Link Between Place and Health” Cambridge University, December 2015. **Invited Lecture Presentation at Seminar.**
17. “Engaging the Land Development Community in the Health and Built Environment Debate: The Urban Land Institute” Washington DC, September 2015. **Keynote Presentation.**
18. “Built Environment Relationships with Drug Dependence and Mental Health” University of Washington, Seattle Washington, September 2015. **Keynote Presentation.**
19. NEWPATH: An Integrated Assessment of Physical Activity and Dietary Impacts of Community Design” International Society of Behavioral Nutrition and Physical Activity (ISBNPA), Edinburgh, Scotland, July 2015. **Conference Presentation.**
20. “An Overview of the Links Between Health and the Built Environment: A Review of Current Evidence” The Royal Society of Medicine, London, June 2015. **Keynote Presentation.**
21. “Health and the Built Environment: A Retro-spective Assessment” University of Melbourne, May 2015. **Keynote Presentation.**
22. “Health Impacts of Complete Street Ordinances: A Case Study of Toronto” Moving Transportation to a Higher Ground” Transportation Research Board, Washington DC, April 2015. **Conference Presentation.**

23. “Health Impacts of Complete Street Ordinances: A Case Study of Toronto” Moving Transportation to a Higher Ground” Transportation Research Board, Washington DC, April 2015. **Conference Presentation.**
24. “Building Evidence Based Tools to Predict Health Impacts of Transportation Investments” Moving Transportation to a Higher Ground” Transportation Research Board, Washington DC, April 2015. **Conference Presentation.**
25. “Spatial Convergence Between Air Quality and Physical Activity Impacts of Walkability” BC Air Quality Conference, March 2015. **Conference Presentation.**
26. “California Public Health Activity Model (CPHA): Statewide tool to measure health impacts of land use and transportation decisions,” Active Living Research Conference, San Diego, CA February 2015. **Conference Presentation.**
27. “Chronic Disease Impacts of Community Design – Matching California Health Interview Survey Data with Detailed Built Environment Features” New Partners for Smart Growth, Baltimore MD January 2015. **Conference Presentation.**
28. “What’s Next on the Health and Built Environment Horizon” Oregon We Can Do Better Conference” Portland, Oregon, 2015. **Keynote Presentation.**
29. “The Health Impacts of Community Design.” May 2014. North Shore Congress, North Vancouver, Canada.
30. “Residential Preference for Walkable Neighbourhoods in Toronto and Vancouver, Canada.” May 2014. International Society for Behavior, Nutrition, and Physical Activity Annual Meeting, San Diego, USA.
31. “Bicycling within the Transportation Paradigm.” April 2014. Bicycling by Design: Facilities to Promote Safe and Healthy Travel Short Course, Vancouver, Canada.
32. “Health and Community Design: The Impact of the Built Environment on Physical Activity”. March 2014. Smart Urban Futures Conference, Melbourne, Australia. **Keynote Presentation.**
33. “Evidence Based Health Impact Assessment Tools: Applying New Evidence to Decision Making in North America”. March 2014. International Conference on Urban Health (ICUH), Manchester, UK.
34. “Applying Evidence on Health and Built Environment Relationships: Health Impact Assessment Tools”. February 2014. New Partners for Smart Growth Conference, Denver, US.
35. “Walkability Patterns in Metro Vancouver.” February 2014. Healthy Built

Environment Alliance Webinar Series, Vancouver, BC.

36. "Residential Preferences in BC." October 2013. Healthy Built Environment Alliance Webinar Series, Vancouver, BC.
37. "Building Healthy Communities After Devastation." October 2013. International Wellness Symposium, Lake Louise, AB.
38. "Prove It: Evidence Based Tools - Evaluating and Planning Healthy Community Design." 2013. CIP-PIBC Annual Conference - INFUSE Vancouver July 2013, Vancouver BC.
39. "Built Environment Influences on Healthy Eating and Active Living: a 'NEWPATH' to Energy Balance." May 2013. Canadian Obesity Summit, Vancouver BC.
40. "Quantifying Health Impacts of Community Design." April 2013. American Planning Association Annual Conference, American Planning Association, Chicago IL.
41. "Health and Community Design." April 2013. Ingredients for a Family-Friendly Downtown, AIA Seattle, Seattle WA. **Keynote Presentation.**
42. "Introduction to Healthy Built Environment." 2013. Canadian Institute of Public Health Inspectors BC Branch Continuing Education Webinar Series, BC.
43. "Enhancing Walk Score's Ability to Predict Objectively-Measured Physical Activity." March 2013. 34th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, Society of Behavioral Medicine, San Francisco CA.
44. "From Evidence to Decision Making: New Tools That Incorporate Health Into Scenario Planning Tools." 2013. Active Living Research Annual Meeting, Active Living Research, San Diego CA.
45. "Analysis of Built Environment Influences on Walking Trips and Distance Walked in a Midsized Canadian City." 2013. Transportation Research Board (TRB) Annual Meeting, Transportation Research Board (TRB), Washington DC.
46. "Integrating Active Transportation and Health into Transportation Planning." 2012. Sports Medicine Australia: Be Active Conference, Sydney Australia.
47. "Creating an Evidence Based Planning Tool to Predict Physical Activity and Obesity Impacts of Community Design Alternatives." 2012. Sports Medicine Australia: Be Active Conference, Sydney Australia.

48. “Monetizing the Health Impacts of Community Design.” 2012. ARUP, BC.
49. “Community Energy and Emissions Modeling” 2012. Association of Professional Engineers and Geoscientists of BC Annual Conference, Association of Professional Engineers and Geoscientists of BC, Victoria BC.
50. “Where You Live and How You Feel: Urban Form and Public Health Linkages.” 2012. Invited Presentation, Portland State University, Portland OR.
51. “Health Impacts of Community Design: From Evidence to Practice.” 2012. Invited Presentation, Ministry of Health, Edmonton AB.
52. “The NEWPATH Project - Sustainable Transportation Policy and Implementation.” 2012. Canadian Institute of Planners (CIP) 2012 Conference, Canadian Institute of Planners (CIP), Banff AB.
53. “Evidence-Based HIA Tools.” 2012. HIA 2012: How HIA Matters in Health in All Policies, Quebec City QC.
54. “Leadership in Healthy and Livable Communities Keynote Presentation.” 2012. Velo-City Global, Vancouver BC. **Keynote Presentation.**
55. “Impacts of Community Design on our Health and Environment.” 2012. Lynn Valley Speaker Series on Sustainable Communities, Vancouver BC. **Keynote Presentation.**
56. “Built Environment Influences on Healthy Eating and Active Living: A "NEWPATH" to Energy Balance.” 2012. Canadian Public Health Association (CPHA), Edmonton AB.
57. “Objective Assessment of Obesogenic Environments in Youth: GIS Methods to Evaluate Physical Activity and Food Environments for the Neighborhood Impact on Kids (NIK) study.” 2012. International Conference on Diet and Activity Methods, Rome Italy.
58. “BEYOND: Yes... But Can You Get Me Out of My Car? (Part I).” 2012. Planning Institute of British Columbia (PIBC) 2012 Conference, Planning Institute of British Columbia (PIBC), Harrison Hot Springs BC.
59. “Where is the Market Taking Us?” 2012. Congress for the New Urbanism (CNU), West Palm Beach FL.

60. “Walk the Talk: Transforming the Built Environment to Enhance Active Living.” 2012. Gaining Ground: Connecting People and Knowledge: Provincial Conference on Active Transportation and Recreation, Portage-la-Prairie MB. **Keynote Presentation.**
61. “Sensitivity of Objective Measures of Pedestrian Access to the Inclusion of Off-Street Pedestrian Pathways: Methodological and Policy Implications.” 2012. Active Living Research, San Diego CA.
62. Health and Community Design: Hidden Health Costs of Transportation Investment. 2012, Transportation Research Board (TRB), Washington DC.
63. “Evidence on Healthy Aging and Community Design.” 2011. United Way Conference on Healthy Aging, United Way, Vancouver BC.
64. “Carbonless Footprints: Health and Environmental Benefits of Active Transportation.” 2011. Walk 21 International Conference, Vancouver BC. **Keynote Presentation.**
65. “Learning From Each Other: A multidisciplinary Approach to the Walking World.” 2011. Walk 21 International Conference, Vancouver BC.
66. “Scenario Planning Tools: From Evidence to Policy.” 2011. Walk 21 International Conference, Vancouver BC.
67. “Built Environment and Older Adults: Supporting Smooth Transitions Across the Life-Span.” 2011. Union of BC Municipalities Conference on Healthy Aging, Union of BC Municipalities, Vancouver BC. **Keynote Presentation.**
68. “Evidence to Practice: Evaluating the Health Impacts of Land Use and Transportation.” 2011. Creating Healthy Places, Middlesex- London Health Unit, London United Kingdom.
69. “Emerging Evidence: Our Health and Where We Live.” 2010. World Medical Association Annual Conference, World Medical Association, Vancouver BC. **Keynote Presentation.**
70. “Age Integrated Communities and the Role of the Built Environment.” 2010. Stanford University Healthy Aging Symposium, Stanford University Center on Longevity, Palo Alto CA.
71. “Health, Climate, and Community Design: The State of the Evidence.” 2010. Annual Conference of the Congress for the New Urbanism, Congress for the New Urbanism, Atlanta GA. **Keynote Presentation.**

72. “Creating Healthy Communities.” 2009. Canadian Cancer Coalition, Montreal QC.  
**Keynote Presentation.**
73. “Applying Evidence to Decision Making: The health Impacts of Land Use and Transportation Decisions.” 2008. Association of Local Public Health Agencies (ALPHA), Toronto ON. **Keynote Presentation.**
74. “Health, Environment, and Community Design.” 2008. Australian Institute of Planners, Sydney Australia. **Keynote Presentation.**
75. “State of the Research on Health and Built Environment.” 2008. University of Miami, Miami FL. **Keynote Presentation.**

## **PROFESSIONAL CERTIFICATIONS AND AFILIATIONS**

Canadian Institute of Planners (CIP) 2006

American Society of Landscape Architects (ASLA) 2001

American Institute of Certified Planners (AICP) 1996

Registered Landscape Architect (RLA) 1994

### **Professional Affiliations**

Society of Behavioral Medicine, 2008 – Present.

Congress for the New Urbanism, 2006 – Present.

American Society of Landscape Architects, 2007 – Present.

Associate Member, Urban Land Institute (ULI), 1998 – Present.

Member, American Association of University Professors (AAUP), 1998 – Present.

Member, American Planning Association (APA), 1995 – Present.

Member, American Institute of Certified Planners (AICP), 1996 – Present.

Member, Institute of Transportation Engineers (ITE), (affiliation) since 1990.

Member, National Academy of Sciences (NAS) Transportation Research Board (TRB)  
1994 –Present