



Curriculum Vitae of
Andrew Frederick Clark
BA, MA, PhD

Healthy Way Consulting
1153 Foxhunt Rd
London, Ontario
Canada, N6G 0C7

Cell: (519) 729-0704
Email: aclark2@fanshawec.ca
andrew@healthywayconsulting.ca

Academic and Professional Interests

- GIS, Geomatics, Python, Web-GIS, Spatial Analysis
- Evaluating and developing community-based interventions on improving physical activity and healthy eating for children
- Social determinants of health and health outcomes
- Examining children's physical activity and how it is influenced by the built environment

Education

Trainee, Children's Health Research Institute, Children's Health Foundation, London, Canada (2012 – 2022).

Post-Doctoral Fellow, Geography, University of Western Ontario, Canada. (2012 – 2016).

Doctor of Philosophy, Geography, McMaster University, Canada. (2008 – 2013).

Master of Arts, Geography. 2008. Wilfrid Laurier University, Waterloo, Ontario. (2006 – 2008).

GIS Application Specialist, Certificate. 2006. Sir Sandford Fleming College, Lindsay, Ontario. (2005 – 2006).

Bachelor of Arts, Honours Geography. 2005. Wilfrid Laurier University, Waterloo, Ontario. (2001 – 2005).

Employment

Owner & Operator. Healthy Way Consulting. www.healthywayconsulting.ca. 2022 – Present.

Partial Load Professor. Geographic Information Sciences, School of Design, Fanshawe College, 2021 – Present.

Course Developer. Geographic Information Sciences, School of Design, Fanshawe College, 2021 – Present.



Consultant. Independent Consulting under my own name for non-profit organizations. 2016 – 2022.

Project Coordinator & Senior Research Associate. Human Environments Analysis Laboratory, Department of Geography, University of Western Ontario. 2017 – 2022.

Teaching Assistant. School of Geography and Earth Sciences, McMaster University. 2008 – 2012.

Teaching Assistant. Department of Geography and Environmental Studies, Wilfrid Laurier University. 2004 – 2007.

Employment Details

Consulting Experience

This description provides examples of consulting projects that have been conducted while a consultant operating as Healthy Way Consulting, as an independent consultant prior to starting Healthy Way Consulting, or as a consultant working with Dr. Jason Gilliland at the Human Environments Analysis Laboratory.

Consulting with Healthy Way Consulting. How Fair & Equitable is Participatory Budgeting in the City of London, Canada. *Neighbourhood, Children and Fire Services, City of London*. 2022 – 2023. The propose of this project is to assess whether the program has been able to do this fairly and equitably in meeting the programs core principles. Specifically, the City of London is interested in better understanding whether the program has effectively impacted every neighbourhood and contributed to the quality of life for everyone regardless of socioeconomic status and neighbourhood.

Independent Consulting. Ontario Stroke Resource Web-based Map. *Southwestern Ontario Stroke Network*. 2021. Creating a web-GIS map in Google Maps that will allow doctors to assess which hospitals have services for stroke patients.

Independent Consulting. Developing a method to assess childcare centre accessibility in London-Middlesex. *Neighbourhood, Children and Fire Services, City of London*. 2016, 2020. This project identified helped the City of London identify and approve the needs for expanding existing childcare centres and/or opening new ones. By building a model based on evidence, the City of London will be able to make informed decisions and justify support for current and future demand for childcare spaces. Note: This project was conducted by Andrew Clark as an independent consultant prior to creating Healthy Way Consulting.

Independent Consulting. Assessing stroke network boundaries across Southwestern Ontario. *Southwestern Ontario Stroke Network*. 2019. Developing future boundaries identifying



the hospitals that patients should visit when there are suffering from a stroke, based on the services that the hospital provides. Note: This project was conducted by Andrew Clark as an independent consultant prior to creating Healthy Way Consulting.

Consulting with Human Environments Analysis Laboratory. Tracking, Assessing and Improving the Distribution of Food Aid in Rural Huron County. *Huron County Distribution Centre & Huron County Public Health*. 2018.

Consulting with Human Environments Analysis Laboratory. Proposal for Community Indicators System. *Community Health Collaborative Steering Committee*. 2017. The objective of this project is to increase capacity for both citizens and organizations in Middlesex-London to collaborate to improve the health & well-being of all residents. Primarily, it will create a centralized hub for data and information to make it more efficient to access health data at a community level. This will spur action in addressing the gaps in knowledge of health determinants and outcomes in our community by bridging multiple organizations.

Consulting with Human Environments Analysis Laboratory. *South West Local Health Integration Network*. 2016. Understanding Health Inequities and Access to Primary Health Care in the South West LHIN.

Independent Consulting. Assessing the social determinants of health for the Grand Bend Area. *Grand Bend Area Community Health Centre*. 2016. The aim of this report is to better understand the vulnerable populations who live within the service area of the Grand Bend Area Community Health Centre and the geographic accessibility to primary care providers for the general population within the area. The area defined as the Grand Bend Area include Middlesex London, Huron Perth, and Sarnia Lambton.

Independent Consulting. Family Centres – Phase 2 Site Identification. *Neighbourhood, Children and Fire Services, City of London*. 2016. With the completion of the first 4 Family Centres, planning for the next 3 sites is beginning. This planning begins with identifying areas where these next sites should be located based on specific criteria.

Consulting with Human Environments Analysis Laboratory. Healthy Kids Community Challenge Community Needs Assessment: City of London. 2016. *London's Child and Youth Network*. <https://goo.gl/ArrG2Q>

Consulting with Human Environments Analysis Laboratory. Healthy Kids Community Challenge Community Needs Assessment: Middlesex County. *Middlesex County Public Library*. 2016. <https://goo.gl/mzncs5>

Consulting with Human Environments Analysis Laboratory. Spatial Analysis of Motor Vehicle Collisions involving Pedestrians and Cyclists in London, ON 2018-2013.



Middlesex London Health Unit. 2014. The primary purpose of the report is to provide scientific information on collision and injury ‘hotspots’ to the London-Middlesex Road Safety Committee and the Middlesex-London Health Unit that will help inform their future projects focussed on the pedestrians and cyclists.

Consulting with Human Environments Analysis Laboratory. Linking Health and the Built Environment in Rural Settings: Evidence and Recommendations for Planning Healthy Communities in Middlesex County. *Middlesex-London Health Unit.* 2013. The purpose of this position paper is to increase knowledge of the relationship between health and the built environment in rural contexts, while providing a local application to Middlesex County. <https://goo.gl/Dt82Am>

Course Instructor

Professor. METH7016: GIS 4, Honours Bachelor of Environmental Design and Planning, School of Design, Fanshawe College. 2023; 2022; 2021; 2020.

Professor. METH3029: GIS 4, GIS & Urban Planning, School of Design, Fanshawe College. 2023.

Professor. METH3019: GIS 3, GIS & Urban Planning, School of Design, Fanshawe College. 2022.

Professor. MATH7001: Statistics, Honours Bachelor of Environmental Design and Planning, School of Design, Fanshawe College. 2022; 2021.

Professor. METH7015: GIS 3, Honours Bachelor of Environmental Design and Planning, School of Design, Fanshawe College. 2022; 2021.

Professor. METH7013: GIS 1, Honours Bachelor of Environmental Design and Planning, School of Design, Fanshawe College. 2022; 2021.

Professor. METH3026: Remote Sensing & Image Processing, GIS & Urban Planning, School of Design, Fanshawe College. 2022.

Professor. METH7016: GIS 7, Honours Bachelor of Environmental Design and Planning, School of Design, Fanshawe College. 2022.

Lecturer. GEOG 3461F: Land Use and Development Issues, Department of Geography, University of Western Ontario. 2017.

Course Developer

GIS & Public Health Microcredential. Developing courses and curriculum evaluation GIS & Public Health microcredential series. School of Design, Fanshawe College. 2022 – 2023.



Network-Based Cloud GIS with ArcGIS Enterprise. Developing and implementing an ArcGIS Enterprise system to be used for GIS Programs. School of Design, Fanshawe College. 2022.

Teaching Assistant

Introduction to Environmental Issues. (2EI3). School of Geography and Earth Sciences, McMaster University, Winter, 2012.

Statistical Analysis. (2MB3). School of Geography and Earth Sciences, McMaster University, Winter, 2011.

Historical Urban Geography. (3UG3). School of Geography and Earth Sciences, McMaster University, Winter 2010.

Advanced Vector GIS. (4GI3). School of Geography and Earth Sciences, McMaster University, Winter, Fall 2009.

Introduction to GIS. (2GI3). School of Geography and Earth Sciences, McMaster University, Fall 2008.

3rd Year Field Camp. (Geog 399). Department of Geography and Environmental Studies, Wilfrid Laurier University. Fall 2007.

Introduction to GIS. (Geog 369). Department of Geography and Environmental Studies, Wilfrid Laurier University, Fall 2007.

Class Tutor. (GIS AS/CS Program). Department of Geomatics, Sir Sandford Fleming College, Fall/Winter 2005/06.

Statistics Tutor. (Geog 258). Department of Geography and Environmental Studies, Wilfrid Laurier University, Winter 2006.

Introduction to Cartography. (Geog 251). Department of Geography and Environmental Studies, Wilfrid Laurier University, Fall 2004.

Introduction to Statistics. (Geog 254). Department of Geography and Environmental Studies, Wilfrid Laurier University, Fall 2004.

Research Associate

ASRTS Coordinator, for Dr. Jason Gilliland, Winter 2020-2022. Canadian Institutes of Health Research Project Scheme “*Examining the influence of a school travel planning intervention on children’s travel behaviour, physical activity, and exposure to pollution around their schools*”. Responsible for coordinating with local Active & Safe Routes to



School Committee and National partners, coordinating field work preparation, recruiting schools, leading the writing of CIHR grants, leading data collection tool development, Ethics Submissions, among various other tasks.

ACT-i-Pass Evaluation Coordinator, for Dr. Jason Gilliland, Fall 2013-2022. CIHR research grant “*Evaluation of a Community-Based Physical Activity Intervention for Elementary School Children in London, Ontario*” and CIHR/CCS research grant “*How does free access to recreation opportunities change children’s physical activity levels?*”. Managed the entire ACT-i-Pass evaluation, including staffing, school coordination, among other tasks.

SmartAPPetite Coordinator, for Dr. Jason Gilliland, Summer 2017-2021. Heart & Stroke Foundation Grant-in-Aid “*Development and Evaluation of a Smartphone Based Program for Improving Food Literacy and Healthy Eating Among Youth*”. Responsible for coordinating with developer on App Development, coordinating field work preparation, recruiting schools, helping to write CIHR/HSF grants, working with community partners, leading data collection tool development, Ethics Submissions, among various other tasks.

Ontario Student Nutrition Program Evaluation Coordinator, for Dr. Jason Gilliland, Winter 2017–2022. Weston Seeding Food Innovation Research Grant “*Evaluating the impacts of an innovative centrally-procured school food program on student nutrition and the local food economy*”. Responsible for helping to write grant, supervising graduate students, undergraduate students, and other staff working on this project, managing ethics at the school board and University, coordinating with schools, coordinating with the intervention team from VON South West, data coordination and analysis.

STEAM Project Manager, for Dr. Jason Gilliland, Fall 2012-Spring 2014. HSF Research Grant, “*Identifying causal effects of the built environment on physical activity, diet, and obesity among children*”, Managed the entire STEAM project, including staffing, school coordination, financial management, among other tasks.

Built Environment Tool Development, for Dr. Darren Scott, Fall 2011. NSHRF research grant “*Promoting Active Lifestyles and Neighborhoods: A Time Geography Approach*”, Created a tool using ArcGIS Model Builder to facilitate the creation of built environment variables for the city of Halifax, NS and Hamilton, ON.

Built Environment Variable Development, for Dr. Darren Scott, Fall 2010. NSHRF research grant “*Promoting Active Lifestyles and Neighborhoods: A Time Geography Approach*”, Created additional suite of built environment variables for the city of Halifax, NS in a GIS environment. Calculated shortest path distances and euclidean distances for all trips in the STAR database.



Project Manager, for Dr. Darren Scott, Summer 2010. SSHRC research grant “*Understanding Barriers to Participation in Sport and Other Physical Activities*”. Managed data collection project called the Hamilton Active Living Study.

Built Environment Variable Development, for Dr. Sean Doherty, Summer 2009. CIHR research grant “*Development of an Automated Monitoring and Alerting System of Diabetic Patients’ Daily Life and Blood Glucose Fluctuation*”. Created built environment variables around trips in a GIS environment in the GTA.

Built Environment Variable Development, for Dr. Darren Scott, Summer 2009. NSHRF research grant “*Promoting Active Lifestyles and Neighborhoods: A Time Geography Approach*”, Created a suite of built environment variables for the city of Halifax, NS in a GIS environment.

Data Synthesis, for Dr. Darren Scott, Winter 2009. CODIGEOSIM “*Project: Geosimulation Tools for Simulating Spatial Temporal Spread Patterns and Evaluating Health Outcomes of Communicable Diseases*” Downloaded data from the Transportation Tomorrow Survey.

Algorithm Analysis, for Dr. Sean Doherty, Winter 2008, “*Project: Multi-Scale Multi-Agent Geo-Simulation to support decision making in multi-actor dynamic spatial situations*”. Assisted in testing and upgrading automated activity and trip detection algorithm using a GPS enabled SmartPhone.

Literature Review, for Dr. Sean Doherty, Fall 2007, CIHR research grant “*Development of an Automated Monitoring and Alerting System of Diabetic Patients’ Daily Life and Blood Glucose Fluctuation*”. Created annotated bibliography in EndNote.

Field Data Collection Leader, for Dr. Sean Doherty, Winter/Summer 2007, SSHRC project “*Application of Global Positioning System (GPS) technologies for tracking and understanding human activity-travel patterns and decision-making*”. Designed and organized 5 month data collection project.

Project Technician, for Dr. Sean Doherty, Winter 2007, WLU and McMaster Class Project, “*Using a Internet Based Prompted Recall Diary to Track Daily Activities*”. Technical support for a project where students were asked to keep track of their daily activities for 6 weeks within the Internet Based Prompted Recall Diary (IBPRD).

GIS Analyst, for Dr. Sean Doherty, Fall 2006. Communications and Information Technology Ontario and The Health Technology Exchange project “*Battery Optimization for Positioning Accuracy*”. Analyzed varying streams of GPS data and wrote report.



Other Employment

HEAL Administrator, for Dr. Jason Gilliland, 2012 – 2022. Responsible for maintaining digital files, updating websites, organizing meetings, representing the HEALab at various community meetings, project manager, reviewing student material, supervising graduate and undergraduate research assistants, among various other tasks.

TransLab Administrator, for Dr. Darren Scott, 2008 – 2010. Responsible for installing, updating, and maintaining TransLab at McMaster University.

Publications

Journal Articles

Ostermeier, E., P. Tucker, D. Tobin, **A.F. Clark**, J. Gilliland. 2022. Parents' perceptions of their children's physical activity during the COVID-19 pandemic. *BMC Public Health*, 22 (1), 1459.

Ostermeier, E., P. Tucker, **A.F. Clark**, J.A. Seabrook, J. Gilliland. 2021. Parents' Report of Canadian Elementary School Children's Physical Activity and Screen Time during the COVID-19 Pandemic: A Longitudinal Study. *International Journal of Environmental Research and Public Health*, 18 (23), 12352.

Martin, G., M. Graat, A. Medeiros, **A.F. Clark**, B.L.G. Button, K. Nelson Ferguson, J.A. Gilliland. Perceived neighbourhood safety moderates the relationship between active school travel and health-related quality of life. *Health & Place* 70, 102623.

Medeiros, A., A. Buttazzoni, S.E. Coen, **A.F. Clark**, K. Wilson, J.A. Gilliland, 2021. Review of gender, socioeconomic status, and ethnic background considerations reported in active school travel intervention studies. *Journal of Transport & Health*, 21, 101035.

Martin, G., D.D. Bowman, M. Graat, **A.F. Clark**, A.J. Wray, Z. Askwith, J.A. Seabrook, & J.A. Gilliland, *In Press*. Examining how changes in provincial policy on vape marketing impacted the distribution of vaping advertisements near secondary schools in London, Ontario. *Canadian Journal of Public Health*, 12 (3), 440-448.

Stewart, T.C., J. Edwards, A. Penney, J. Gilliland, **A.F. Clark**, et al. 2021. Evaluation of a Population Health Strategy To Reduce Distracted Driving: Examining All "Es" Of Injury Prevention. *The Journal of Trauma and Acute Care Surgery*, 90 (3), 535-543.

Button, B.L.G., G. Martin, **A.F. Clark**, M. Graat, & J.A. Gilliland. 2020. Examining Factors of Accelerometer-Measured Sedentary Time in a Sample of Rural Canadian Children. *Children*, 7 (11), 232.



- Button, B.L.G., **A.F. Clark**, & J.A. Gilliland. 2020. Understanding factors associated with children achieving recommended amount of MVPA on weekdays and weekend days. *Preventive Medicine Reports* 19, 101145.
- Button, B.L.G., T.I. Shah, **A.F. Clark**, P. Wilk, & J.A. Gilliland. 2020. Examining weather-related factors on physical activity levels of children from rural communities Canadian Journal of Public Health, 1-8
- Wilk, P., S. Ali, K.K. Anderson, **A.F. Clark**, et al. 2020. Geographic variation in preventable hospitalisations across Canada: a cross-sectional study. *BMJ open*, 10 (5), e037195.
- Shah, T.I., **A.F. Clark**, J.A. Seabrook, S. Sibbald, & J.A. Gilliland. 2020. Geographic accessibility to primary care providers: Comparing rural and urban areas in Southwestern Ontario. *The Canadian Geographer/Le Géographe canadien*, 64 (1), pp. 65-78.
- Button, B.L.G., **A.F. Clark**, G. Martin, M. Graat, & J.A. Gilliland. 2020. Measuring Temporal Differences in Rural Canadian Children’s Moderate-to-Vigorous Physical Activity. *International Journal of Environmental Research and Public Health*, 17 (23), 8734.
- Smith, C., **A.F. Clark**, P. Wilk, & J. Gilliland. 2020. Impact Evaluation of the Effectiveness of a Naturally-Occurring Population-Level Physical Activity Intervention for Children. *Public Health*, 178, pp. 62-71.
- Irwin, B.R., M. Speechley, P. Wilk, **A.F. Clark**, & J. Gilliland. 2019. Promoting healthy beverage consumption habits among elementary school children: results of the Healthy Kids Community Challenge ‘Water Does Wonders’ interventions in London, Ontario. *Canadian Journal of Public Health*.
- Clark, A.F.**, J. Campbell, T. Tucker, P. Wilk, & J. Gilliland. 2019. If You Make it Free, Will They Come? Using a Physical Activity Accessibility Model to Understand the Use of a Free Children's Recreation Pass. *Journal of Physical Activity and Health*, 16 (7): 493-503.
- Gilliland, J.A., T.I. Shah, **A.F. Clark**, S. Sibbald, J.A. Seabrook. A geospatial approach to understanding inequalities in accessibility to primary care among vulnerable populations. *PLoS ONE*: 14(1): pp. e0210113.
- Seabrook, J.A., A. Smith, **A.F. Clark**, & J.A. Gilliland. 2019. Geospatial analyses of adverse birth outcomes in Southwestern Ontario: Examining environmental factors, *Environmental Research*, 172: pp. 18-26.
- Buttazzoni, A., **A.F. Clark**, J.A. Seabrook, & J.A. Gilliland. 2019. Promoting Active School Travel in Elementary Schools: A Regional Case Study of the School Travel Planning Intervention. *Journal of Transport & Health*, 12: pp. 206-219.



- Clark, A.F., P. Wilk, & J.A. Gilliland.** 2019. Comparing physical activity behaviour of children during school using the balanced school day and traditional school day schedules. *Journal of School Health*, 89 (2): pp. 129-135.
- Taylor, L., **A.F. Clark**, P. Wilk, B. Button, & J.A. Gilliland. 2018. Exploring the Effect of Perceptions on Children's Physical Activity in Varying Geographic Contexts: Using a Structural Equation Modelling Approach to Examine a Cross-Sectional Dataset. *Children*, 5 (12): pp. 159.
- Taylor, L., **A.F. Clark**, & J.A. Gilliland. 2018. Context Matters: Measuring children's perceived barriers to physical activity across varying Canadian environments. *Health & Place*, 54: pp. 221-228.
- Sibbald, S.L., **A.F. Clark**, J.A. Seabrook, J.A. Gilliland. 2018. Without Compromising Integrity: Research and Planning Around the Primary Healthcare Landscape in Southwestern Ontario. *Healthcare Quarterly*, 21 (1): pp. 46-53.
- Tillman, S., **A.F. Clark**, & J. Gilliland. 2018. Children and Nature: Linking accessibility of natural environments to children's health-related quality of life. *International Journal of Environmental Research and Public Health*, 15 (6): pp. E1072.
- Wilson, K., **A.F. Clark**, & J. Gilliland. 2018. Understanding Child and Parent Perceptions of Barriers Influencing Children's Active School Travel. *BMC Public Health*, 18: pp. 1053.
- Seabrook, J.A., N. Woods, **A.F. Clark**, B. DeVrijer, D. Penava, & J.A. Gilliland. 2018. The association between alcohol outlet accessibility and adverse birth outcomes: A retrospective cohort study. *Journal of Neonatal-Perinatal Medicine*, 11(1), pp. 71-77.
- Wilk, P., **A.F. Clark**, A. Maltby, C. Smith, P. Tucker, J.A. Gilliland. 2018. Examining Individual, Interpersonal, and Environmental Influences on Children's Physical Activity Levels. *SSM – Population Health*, 4, pp. 46-85.
- Wilk, P., **A.F. Clark**, A. Maltby, P. Tucker, J.A. Gilliland. 2018. Exploring the effect of parental influence on children's physical activity: The mediating role of children's perceptions of parental support. *Preventive Medicine*, 106, pp. 79-85.
- Clark, A.F., P. Wilk, C.A. Mitchell, C. Smith, J. Archer, & J.A. Gilliland.** 2018. Examining How Neighborhood Socioeconomic Status, Geographic Accessibility, and Informational Accessibility Influence the Uptake of a Free Population-Level Physical Activity Intervention for Children. *American Journal of Health Promotion*, 32(2), pp. 315-324.
- Charyk-Stewart, T., **A.F. Clark**, J.A. Gilliland, M.R. Miller, J. Harrington, T. Haidar, B. Batey, K. Vogt, N.G. Parry, D. Fraser, & N. Merritt. 2016. Home safe home: Evaluation of a



- childhood home safety program. *Journal of Trauma and Acute Care Surgery*, 81(3):533-40.
- Clark, A.F.** & D.M. Scott. 2016. Understanding the barriers to active travel in Hamilton (Ontario, Canada). *International Journal of Environmental Research and Public Health*, 13(2): 179.
- Mitchell, C.A., **A.F. Clark**, & J.A. Gilliland. 2016. Built Environment Influences of Children's Physical Activity: Examining Differences by Neighbourhood Size and Sex. *International Journal of Environmental Research and Public Health*, 13(1): 130.
- Sadler, R., **A.F. Clark**, P. Wilk, C. O'Connor, J.A. Gilliland. 2016. Using GPS and activity tracking to reveal the influence of children's food environment exposure on junk food purchasing. *Canadian Journal of Public Health*, 107: eS14-eS20.
- Gilliland, J.A., **A.F. Clark**, P. Tucker, H. Prapavessis, W. Avison, & P. Wilk. 2015. The ACT-i-Pass study protocol: How does free access to recreation opportunities impact children's physical activity levels? *BMC Public Health*, 15: 1286.
- Clark, A.F.**, E.A. Bent, & J. Gilliland. 2015. Shortening the Trip to School: Examining how children's active school travel is influenced by shortcuts in London, Canada. *Environment and Planning Part B*, 43(3): 499-514.
- Gilliland, J.A., **A.F. Clark**, M. Kobrzynski, & Filler, G. 2015. Convenience Sampling of Children Presenting to Hospital-Based Outpatient Clinics to Estimate Childhood Obesity Levels in Local Surroundings. *American Journal of Public Health*, 105(7):1332-1335.
- Gilliland, J.A., R. Sadler, **A.F. Clark**, C. O'Connor, M. Milczarek, & S.T. Doherty. 2015. Using a Smartphone Application to Promote Healthy Dietary Behaviours and Local Food Consumption. *BioMed Research International*, 2015, pp. 1-11.
- Clark, A.F.** & D.M. Scott. 2013. Understanding the Impact of the Modifiable Areal Unit Problem on the Relationship between Active Travel and the Built Environment. *Urban Studies*. 51(2), pp. 284-299.
- Clark, A.F.**, D.M. Scott, & N. Yiannakoulias. 2014. Examining the Relationship between Active Travel, Weather, and the Built Environment: A Multilevel Approach using a GPS-enhanced Data Set. *Transportation*. 41(2), pp. 325-338.
- Clark, A.F.** & D.M. Scott. 2013. Does the Social Environment Influence Active Travel? An investigation of walking in Hamilton, Canada. *Journal of Transport Geography*, 31, pp. 278-285.



Clark, A.F. & S.T. Doherty. 2010. A Multi-Instrumented Approach to Observing the Activity Rescheduling Decision Process. *Transportation*. 37(1), pp. 165-181.

Clark, A.F. & S.T. Doherty. 2009. Activity Rescheduling Strategies and Decision Processes in Day-to-Day Life, *Transportation Research Record*, 2134, pp 143-152.

Clark, A.F. & S.T. Doherty. 2008. Examining the Nature and Extent of the Activity-travel Preplanning Decision Process. *Transportation Research Record*, 2054, pp. 83-92.

Conference Papers

Clark, A.F. & D.M. Scott. 2013. The Social Environment and Walking for Travel: A Case Study for Hamilton, Ontario, Canada. Paper presented at the *91st Annual Meeting of the Transportation Research Board*, January 13-17, 2013, Washington D.C.

Clark, A.F. and S.T. Doherty. 2009. Activity Rescheduling Strategies and Decision Processes in Day-to-Day Life. Paper presented at the *88th Annual Meeting of the Transportation Research Board*, January 11-15, 2009, Washington D.C.

Clark, A.F. & S.T. Doherty. 2008. Use of GPS to Automatically Track Activity Re-Scheduling Decisions. Paper presented at the *2008 International Conference on Survey Methods in Transport*. May 25-31, 2008, Annecy, France.

Clark, A.F. and S.T. Doherty. 2008. Examining the Nature and Extent of the Activity-travel Preplanning Decision Process. Paper presented at the *87th Annual Meeting of the Transportation Research Board*, January 13-17, 2008, Washington D.C.

Reports

Huron County Distribution Centre, Huron County Public Health, Human Environments Analysis Laboratory. 2018. Tracking, Assessing and Improving the Distribution of Food Aid in Rural Huron County. *Trillium Foundation*. Goderich, ON.

Gilliland, J.A., A.F. Clark et al. 2017. Proposal for Community Indicators System. *Community Health Collaborative Steering Committee*. London, ON.

Human Environments Analysis Laboratory. 2017. Children & Nature: A Systematic Review. *The Lawson Foundation*. Toronto, ON.

Gilliland, J.A., A.F. Clark, et al. 2016. Understanding Health Inequities and Access to Primary Health Care in the South West LHIN. *South West Local Health Integration Network*. London, ON. <https://goo.gl/UEXfzk>

Clark, A.F. & J.A. Gilliland. 2016. Phase 2: Recommendations for Family Centre Locations in London, ON. *Neighbourhood, Children and Fire Services City of London*. London, ON.



Clark, A.F. & J.A. Gilliland. 2016. Future Need for Child Care Spaces in London-Middlesex. *Neighbourhood, Children and Fire Services City of London*. London, ON.

Human Environments Analysis Laboratory. 2016. Healthy Kids Community Challenge Community Needs Assessment: City of London. *London's Child and Youth Network*. London, ON. <https://goo.gl/ArrG2Q>

Human Environments Analysis Laboratory. 2016. Healthy Kids Community Challenge Community Needs Assessment: Middlesex County. *Middlesex County Public Library*. Strathroy, ON. <https://goo.gl/mznsc5>

Gilliland, J., & A.F. Clark. 2014. Spatial Analysis of Motor Vehicle Collisions involving Pedestrians and Cyclists in London, ON, 2008-2013. *Middlesex-London Health Unit*. London, ON.

Gilliland, J.G., A.F. Clark, L. Richard, R. Sadler, & E. Hill. 2013. "Linking Health and the Built Environment in Rural Settings: Evidence and Recommendations for Planning Healthy Communities in Middlesex County." *Middlesex-London Health Unit*. London, ON. <https://goo.gl/Dt82Am>

Clark, A.F. 2007. A comparison of GPS Devices. Internal report to Dr. Sean Doherty for the "Battery Optimization for Positioning Accuracy" project, Department of Geography & Environmental Studies. Wilfrid Laurier University.

Newspaper Articles

Clark, A.F. 2015. "When sport becomes about more than competition". *The Londoner*: London. September 24, 2015.

Thesis

Clark, A.F. 2013. *Understanding the Determinants of Active Travel*. PhD Dissertation, School of Geography and Earth Sciences. McMaster University.

Clark, A.F. 2008. *Monitoring Human Activity-Travel Rescheduling Decisions*. Master's Thesis, Department of Geography & Environmental Studies. Wilfrid Laurier University.

Clark, A.F. 2005. *Using Air Photos to Analyze Land Cover Change in the Schneider Creek Watershed*. Honours BA Geography. Department of Geography & Environmental Studies. Wilfrid Laurier University.



Academic Grants

Awarded

Title: Creating and implementing an environmental audit tool using mobile GIS technology to better understand the factors that lead to the clustering of motor vehicle collisions in London, ON

PI: **Dr. Andrew F. Clark**

Collaborators/Co-Investigators: Dr. Martin Healy, Dr. Jason Gilliland, Dr. Douglas Fraser, Tanya Charyk-Stewart.

Funder: Fanshawe Research & Innovation Fund

Amount: \$15,000

Purpose: In line with the socio-ecological model of health, our hypothesis is that there are multi-level (individual, social, built, policy) environmental factors contributing to motor vehicle collisions that can be altered to decrease the occurrence of crashes at high frequency crash sites. Therefore, the objective of this study is to undertake extensive environmental analysis and field investigations, as part of a comprehensive analysis of crash data to characterize crash injury risk factors and identify areas of focus for the promotion of safety for all road users. This aligns with the City of London's Vision Zero commitment to eliminate severe traffic injuries and fatalities in our region, and utilizing the well-established "Es" of road safety and injury prevention.

Dates Funded: August 2022 to July 2023

Title: Investigation of supportive policy for Active School Travel: Evidence-based recommendations for policies to promote active transportation for school journeys

PI: Dr. Jason Gilliland

Collaborators/Co-Investigators: **Dr. Andrew F. Clark**, Kate Berry

Funder: Mitacs Accelerate Proposal

Amount: \$15,000

Purpose: The proposed research will address the need to identify best practices for policies and procedures that support and promote the use of active travel modes by Ontario students. The research findings will inform the policy agenda of the Ontario Active School Travel Council and will support Ontario Municipalities, School Boards and Student Transportation Consortia to develop policies that support and promote active transportation for school journeys. The research team will have the opportunity to consult with key OAST stakeholders for input and feedback, including the Ontario Ministry of Education, Ontario Active School Travel Council, and Canada Active School Travel Working Group.

Dates Funded: October 2020 to June 2021



Title: COVID-19 Surveillance System

PI: Dr. Saverio Stranges

Collaborators/Co-Investigators: Jason Gilliland, **Andrew F. Clark**, Matthew Meyer, Lauren Cipriano, Jinfei Wang, Christopher Mackie, Alexander Summers, Alison Locker, Daniel Pepe, Mario Elia, Brent Hall, Jon Salter.

Funder: Western Research Catalyst Grant 2020, Western University

Amount: \$50,000

Purpose: The purpose of this catalyst project is to develop and implement a surveillance system that will allow us to detect clusters and monitor the transmission of diseases in real-time across London-Middlesex, while accounting for how clustering of cases changes over time. This project will bring together a diverse multi-disciplinary team that will use the COVID-19 pandemic to pilot and test the feasibility of real-time spatial disease surveillance. In the short term, this pilot project may help the Middlesex London Health Unit (MLHU), London Health Sciences Centre (LHSC), and the local Ontario Health Planning Region (OHP) to better manage COVID-19.

Dates Funded: May 2020 to April 2021

Title: Vision Zero: Comprehensive Review of Data to Support London's Commitment to Eliminate Severe Injury Crashes and Fatalities in Children and Adolescents

PI: Jason Gilliland & Doug Fraser

Collaborators/Co-Investigators: Tanya Charyk-Stewart, Michael Shkrum, Kevin McClafferty, JL Coumeau, Allison Pellar, **Andrew F. Clark**

Funder: Translational Research Grant Fund, Children's Health Research Institute

Amount: \$100,000

Purpose: The purpose is to examine key environmental features of high frequency or 'hotspot' crash locations and how they are contributing to crashes involving children and adolescents treated at Children's Hospital at LHSC. An aim of this critical analysis is to provide recommendations for the reinvention of the system-wide design of the roadways and built environment practices, programs, policies and laws to decrease the severity of collisions and ultimately prevent serious injury and death on our roads.

Dates Funded: April 2020 – March 2022

Title: Decreasing vehicle-based carbon emissions through the development, implementation, and evaluation of an innovative school travel planning intervention

PI: Jason Gilliland.

Collaborators/Co-Investigators: **Andrew F. Clark**

Funder: Ministry of the Environment & Climate Change (Government of Ontario)

Amount: \$197,552

Purpose: The purpose of this project is to increase the number of children and families choosing AST over the personal automobile in the Southwestern Ontario communities of Elgin-St.



Thomas, London, Middlesex, and Oxford. To help motivate families to make low-carbon active commuting choices, our team will work with the local Active and Safe Routes to School partnership to develop, implement, and evaluate a comprehensive School Travel Planning program.

Dates Funded: February 2017 – March 2019

Title: SmartAppetite for Youth: Development and evaluation of a smartphone-based program for improving food literacy and healthy eating among adolescents

PI: Jason Gilliland.

Collaborators/Co-Investigators: **Andrew F. Clark**, Stephanie Coen, Sean Doherty, Jess Haines, Leia Minaker, Kambiz Norozi, Colleen O'Connor, Jamie Seabrook, Bonnie Simpson, Saverio Stranges, Piotr Wilk

Funder: Children's Health Foundation

Amount: \$70,000

Purpose: Focus groups with teens

Notes: Competitive funding, PI must be Scientist with Children's Health Research Institute

Dates Funded: April 2018 – March 2019

Title: SmartAppetite for Youth: Development and evaluation of a smartphone-based program for improving food literacy and healthy eating among adolescents

PI: Jason Gilliland.

Collaborators/Co-Investigators: Karen Campbell, **Andrew Clark**, Sean Doherty, Jess Haines, Leia Minaker, Kambiz Norozi, Colleen O'Connor, Bonnie Simpson, Piotr Wilk

Funder: Children's Health Foundation

Amount: \$70,000

Purpose: Purchase services for app development

Notes: Competitive funding, PI must be Scientist with Children's Health Research Institute

Dates Funded: April 2017 – March 2018

Professional Training and Development

Brave Space Training. Equity, Diversity, and Inclusion Training, Pillar Non-Profit: Spring 2021.

Agile Project Management. Continuing Education, University of Western Ontario: January – February 2021.

New Faculty Orientation. Teaching Support Centre, University of Western Ontario: August 2017.

Teaching at University Level. Teaching Support Centre, University of Western Ontario. July 21, 2015.



Supervision

Graduate Students

As Post-Doctoral Fellow and Project Coordinator in the Human Environments Analysis Laboratory in the Department of Geography at Western University, I have spent more than 5 years assisting our lab director (Dr. Jason Gilliland) mentoring students in a supervisory role. During my time at Western, I have worked closely with 28 of the 40 graduate students in our lab. My supervision duties include: coordinating data collection (as project coordinator); supervising data cleaning and processing; helping students develop research topics and paper ideas; advising data analysis techniques; teaching students GIS, statistical analysis, and other analysis techniques; reviewing and editing proposals, research papers, and thesis chapters; and mentoring students on grad life, life after school, and other personal issues that may arise.

Undergraduate Thesis Students

Romanelli-Baird, Erika. *Youth Active School Travel Survey Piloting and Validation*. Department of Geography, Western University. Co-supervisor with Dr. Jason Gilliland. 2021-2022.

Davis, Abigail. *Examining how school yard greening impacts EQAO scores in London, ON*. Department of Geography, Western University. Co-supervisor with Dr. Jason Gilliland. 2017-2018.

Sherry, Alex. *Using GIS to Identify Locations of Heightened Risk of Motor Vehicle Collisions and Potential Interventions to Improve Child Pedestrian Safety in London Ontario*. Department of Geography, Western University. Co-supervisor with Dr. Jason Gilliland. 2016-2017.

Bent, Emily. *Understanding the influence shortcuts have on a child's trip to school*. Department of Geography, Western University. Co-supervisor with Dr. Jason Gilliland. 2012-2013.

Undergraduate Independent Study Students

Perkins, Stephanie. *SmartAPPetite: A Baseline Data Analysis*. Faculty of Health Sciences, Western University. Fall 2019.

Undergraduate Practicum Students

Over the last four years, I have been the primary supervisor for eleven undergraduate Health Sciences Practicum students in a research-based placement. During their time with me, I have been able to provide them an opportunity to gain a better understanding of the research process. Each student has worked with our team to complete tasks to gain first-hand research experience, including: developing ethics protocols, providing background research in the development of data collection tools, conducting field work on various projects, helping with data entry and data



cleaning, basic data analysis, and creating knowledge translation reports. I am responsible for working with each of these students closely to ensure that they are engaged in our projects, understand what is involved in conducting primary research, understand how to work with community partners, and provide advice regarding future employment and schooling. Students who have worked under me have progressed into Master of Public Health Programs, Masters in Geography, and Medical School.

Bowman, Drew. *Evaluating the impacts of an innovative centrally-procured school food program on student nutrition and the local food economy*. 2016-2017

Elhayek, Monia. *SmartAPPetite*. Faculty of Health Sciences. 2017-2018.

Heintzman, Nicole. *The Ontario Active School Travel Policy Scan: Examining the literature*. Faculty of Health Sciences. 2020-2021.

Hooda, Anisah. *SmartAPPetite*. Faculty of Health Sciences. 2019-2020.

Kang, Daniel. *Developing and Evaluating the Wayfinding Signs Intervention*. Faculty of Health Sciences. 2019-2020.

Lee, Jessica. *Evaluating the Healthy Kids Community Challenge Water Does Water Intervention in London, ON*. Faculty of Health Sciences. 2016-2017.

Lofft, Zoe. *Evaluating the impacts of an innovative centrally-procured school food program on student nutrition and the local food economy*. Faculty of Health Sciences. 2017-2018.

Medeiros, Alina. *Active & Safe Routes to School*. Faculty of Health Sciences. 2017-2018.

Omar, Miehah. *The ACT-i-Pass Expansion Program*. Faculty of Health Sciences. 2021-2022.

Perkin, Stephanie. *Physical Activity Interventions*. Faculty of Health Sciences. 2020.

Takacs, Jillian. *Active & Safe Routes to School*. Faculty of Health Sciences. 2019-2020.

Tiels, Samantha. *The Ontario Active School Travel Policy Scan: Examining the literature*. Faculty of Health Sciences. 2020-2021.

Toor, Ashley. *Validating an Active School Travel Survey*. Faculty of Health Sciences. 2021-2022.

Wilkinson, Natalie. *Evaluating the Healthy Kids Community Challenge Water Does Water Intervention in London, ON*. Faculty of Health Sciences. 2016-2017.

Wijesooriya, Aloka. *Understanding Health Inequities and Access to Primary Health Care in the South West LHIN*. Faculty of Health Sciences. 2015-2016.



Ziegler, Bianca. *SmartAPPetite*. Faculty of Health Sciences. 2017-2018.

Master of Public Health Practicum Student

I have supervised two Master of Public Health Practicum Students through the Master of Public Health Program at Schulich Medicine & Dentistry, Western University. During their time working with me in the Human Environments Analysis Laboratory, these students worked with our team and community collaborators to help develop and implements public health interventions focusing on children's health. During this process, I am responsible for working with each of these students to develop a Learning Contract, monitor their progress through their learning objectives and assigned tasks, answer questions and provide constructive feedback regarding their roles and tasks, and evaluate their performance.

Bitel, Michael. *Active & Safe Routes to School: Developing the Go Green Travel Clean Campaign connecting active school travel to climate change*. Public Health Master's Program. 2018.

Graat, Megan. *Active & Safe Routes to School: Investigating Equity in the delivery of a population health intervention for children*. Public Health Master's Program, Western University. 2019.

Narkhede, Rashmi. *Active & Safe Routes to School*. Public Health Master's Program, Western University. 2020.

Stewart Kirk, Karen. *SmartAPPetite: Conducting Food Environment Audits in London, ON & SmartAPPetite: Writing Health Promotion Messages for Teens*. Public Health Master's Program. 2018.

Thomas, Melissa. *Active & Safe Routes to School: Evaluating a population health intervention*. Public Health Master's Program 2021.

Yue, Jia. *Active & Safe Routes to School: Understand policy implications in Ontario*. Public Health Master's Program 2021.

Media Attention

2021. Interviewed about school attendance boundaries around Sir Arthur Currie PS on CTV News. CTV London. London, ON. October 20, 2021.

2021. Interviewed about school attendance boundaries around Sir Arthur Currie PS. CBC Radio One. London, ON. October 14, 2021. <https://bit.ly/35c5SSw>

2019. Quoted in an article about traffic congestion and ASRTS by Janis Wallace. The Londoner. September 17, 2019. <https://bit.ly/2T8zLu0>



2019. Interviewed by Kate Dubinski on CBC London Morning about Sir Arthur Currie PS' Roundabout and Drive to 5 Celebration. CBC Radio One. London, ON. September 6, 2019. <https://bit.ly/3ah1v5k>
2019. Quoted in an article about Sir Arthur Currie PS' Roundabout and Drive to 5 Celebration written by Jake Jeffrey. Global News. London, ON. September 6, 2019. <https://bit.ly/39daTXw>
2019. Interviewed by The Craig Needles Show about Sir Arthur Currie PS' Roundabout and Drive to 5 Celebration. Global News 980 CFPL. London, ON. September 6, 2019.
2019. Quoted in an article about the success of the Grade 5 ACT-i-Pass program by Debora Van Brenk. Western News. August 30, 2019. <https://bit.ly/2VA5hCH>
2018. Quoted in an article about active school travel. Safer streets for students by Andrea Cox. The Londoner. London, ON. September 6, 2018. <https://goo.gl/oxySf2>
2018. Quoted in an article about the Action in Climate Change Grant: Active and Safe Routes to School. Working to get schoolkids walking by Hank Daniszewski. London Free Press. London, ON. February 2, 2018. <https://goo.gl/BBPfiH>
2015. Quoted in an article about the ACT-i-Pass program. London Community News. London, ON. March 20, 2015.
2015. Speaker at the announcement of the ACT-i-Pass grant awarded by the Ontario Sport and Recreation Community Fund at the Boys & Girls Club London. London, ON. March 19, 2015.

Academic Awards

Special Commendation: 2019 IHDCYH Talks Video Competition. Awarded by Canadian Institutes of Health Research's Institute of Human Development, Child and Youth Health for our knowledge translation video to teach young school children the benefits of Active School Travel (\$500). PI: Jason Gilliland; Collaborators: **A.F. Clark**, J. Archer, M. Cosyn Heath, P. Ewart, E. Van Kesteren, A. Miller, G. Gress, & S. Bruyns.

Dorothy Nyswander Paper of the Year. American Journal of Health Promotion. Awarded for our paper "Examining How Neighborhood Socioeconomic Status, Geographic Accessibility, and Informational Accessibility Influence the Uptake of a Free Population-Level Physical Activity Intervention for Children". The goal of the Journal's Paper of the Year Award is to honour some of health promotion's best scientists and to recognize those who bring outstanding humanity to their field of inquiry and bigheartedness to their writing.



CHRI Post-Doctoral Fellowship from Children's Health Research Institute. Awarded to a Post-Doctoral Fellow to support research (\$80,000).

Yates Travel Bursary from McMaster University Graduate Studies. Awarded to a PhD candidate in their fourth year of study for travel to conferences (\$500).

Sport Canada Award from Social Sciences and Humanities Research Council of Canada and Sport Canada. Awarded to a researcher focusing on Sport participation in Canada (\$10,000).

Transport Canada Scholarship Award from Canadian Transportation Research Forum. Awarded for scholarly and research achievements (Declined).

PhD Scholarship Award from Social Sciences and Humanities Research Council of Canada. Awarded for scholarly and research achievements, 20 (\$80,000).

Master's Scholarship from Wilfrid Laurier University. Awarded for high marks in a Master's Program, 2007. (\$3,000).

Youth Bowling Council Scholarship from the Bowling Proprietors Association. Awarded for scholarly achievement and contributions to bowling, 2001. (\$1,900).

Administrative and Community Service

Academic

Reviewer. Various Health & Geography journals. I review an average of 6 articles per year for several journals focusing on health promotion, health-related outcomes, and geography. 2013-Present.

Reviewer for Transportation Specialty Group Master's Thesis Competition. Review Master's thesis submitted to the thesis competition for the *American Association of Geographer's Transportation Specialty Group*. 2011-2013 (5 papers).

Reviewer for Journal of Transport Geography. Review papers submitted for publication to the *Journal of Transport Geography*. 2011-2013. (2 papers)

Reviewer for Journal of Geographical Systems. Review papers submitted for publication to the *Journal of Geographical Systems*. 2011-2013. (2 papers)

Review Paper for TRB 2014. *93rd Annual Meeting of the Transportation Research Board*. Washington, D.C., 2014. (1 Paper)

Student Executive Member. Elected as student executive member on the *Association of American Geographer's Transportation Specialty Group*. 2011-2013.



Review Papers for TRB 2012. *91st Annual Meeting of the Transportation Research Board*. Washington, D.C., 2011. (4 Papers)

Review Papers for TRB 2011. *90th Annual Meeting of the Transportation Research Board*. Washington, D.C., 2010. (2 Papers)

Review Papers for TRB 2009. Assisted Dr. Sean Doherty with paper reviews. *88th Annual Meeting of the Transportation Research Board*. Washington, D.C., 2008. (2 Papers)

Reporter for ISCTSC 2008 Group. Understanding Relationships among Transportation Infrastructure, Physical Activity, and Health. *8th International Conference on Survey Methods in Transport*. Annecy, France, May 25-31, 2008.

Co-President of the Graduate Geographer's Association. Wilfrid Laurier University. September 2006 – August 2008.

Member of Geospatial Data Centre Working Group. Wilfrid Laurier University. Fall 2007.

Chair of Waterloo-Laurier Graduate Program in Geography Seminar Series. Wilfrid Laurier University. Fall 2007.

Creation of Web Programming Term Project. Sir Sandford Fleming College. Spring 2006.

Community Volunteer – Academic

Facilitator. Sir Arthur Currie PS School Travel Planning Committee. London, ON. 2008-Present.

Co-Chair. Steering Committee. Active & Safe Routes to School. London, ON. 2018-Present.

Committee Member. Child & Youth Network's Shared Measurement Working Group. Child & Youth Network, City of London, 2016-Present.

Committee Member. Steering Committee. Active & Safe Routes to School. 2012-Present.

Committee Member. School Travel Plan Steering Group. Active & Safe Routes to School. 2012-Present.

Committee Member. The City of London's Child & Youth Network, City of London. 2012-Present.

Committee Member. Healthy Eating and Healthy Physical Activity Working Group. Child & Youth Network, City of London. 2012-Present.

Committee Member. ACT-i-Pass Steering Group. Healthy Eating and Healthy Physical Activity Working Group, City of London. 2013-Present.



Resource Member. London-Middlesex Road Safety Committee. 2012-Present.

Committee Member. London Road Safety Strategy Steering Committee. 2012-2014.

Committee Member. Creating Healthy & Active Neighborhoods Steering Group. Healthy Eating & Healthy Physical Activity Working Group. Child & Youth Network, City of London. 2012-2014.

Committee Member. Child & Youth Network's Evaluation Assessment Working Group. Child & Youth Network, City of London, 2015.

Community Service – Non-Academic

Co-Chair. Sir Arthur Currie PS. School Council. 2019-2022.

Member. Sir Arthur Currie PS. School Council. 2018-2019.

Basketball Referee. London Board of Basketball Officials. 2013-Present

Umpire. St. Thomas Umpires Association. 2017-2019

Umpire. London Umpires Association. 2017-2019.

Fastball Umpire. Softball Ontario. 1996-2019.

Instructor/Evaluator. Softball Ontario. 2010-2013.

Web Host. Kitchener-Waterloo Umpires Association. 2009-2013.

Basketball Referee. Kitchener-Waterloo Basketball Officials Association. 2010-2013.

President. Kitchener-Waterloo Umpires Association. 2008-2013.

Vice-President. Kitchener-Waterloo Umpires Association. 2007-2008.

Head Coach. Kitchener Minor Boys Softball Association. Brewers, Squirt House League. 2001-2005

Assistant Coach. Kitchener Minor Boys Softball Association. Kitchener Selects, Squirt Travel Team. 2005.

Coach. Youth Bowling Council, Waterloo Bowling Lanes, 2001-2005.

Choir Conductor. Intergenerational Choir, St. Andrew's Presbyterian Church. 2004-2005.

Choir Conductor. Children's Choir, St. Andrew's Presbyterian Church. 2003-2005.