RESEARCH INTERESTS

Infectious disease epidemiology, public health surveillance, open data, causal inference & healthcare interventions with non-randomized designs, health policy, COVID-19, antimicrobial resistance.

EDUCATION

University of Toronto, Toronto, ON, Canada — **September 2018 - Present**

PhD Epidemiology (Collaborative Specialization in Public Health Policy, CPGA: 4.0)

- Thesis: "Infectious disease surveillance using emerging data sources: Applications to antimicrobial resistance and COVID-19"
- Advisers: Kevin A. Brown & David N. Fisman
- Final thesis defence date: early January 2024

McGill University, Montreal, QC, Canada — **September 2016 - August 2018**

MSc Epidemiology (CPGA: 4.0)

- Thesis: "Antibiotic resistance in urinary *Escherichia coli* in Quebec, Canada"
- Advisers: David L. Buckeridge & Caroline Quach

University of Ottawa, Ottawa, ON, Canada — **September 2011 - April 2016**

Honours BSc in Biology (Ecology, Evolution, Behaviour Option), Minor in Mathematics

- Thesis: "Ecological niche modelling of the tick vector of Lyme disease from passive surveillance data in Ottawa, Ontario" (John B. Armstrong Award for Best Thesis Poster)
- Summa Cum Laude & Faculty Plaque (Highest standing in honours biology, CGPA: 9.69/10)

RESEARCH & TEACHING EXPERIENCE

COVID-19 Canada Open Data Working Group — **March 2020 - Present**

- 2020–2021: Co-led a team that curated a pan-Canadian COVID-19 dataset, dashboard, and API widely used by researchers, journalists, the public, and organizations such as the Public Health Agency of Canada, Esri Canada, Google, and Our World in Data.
- Dashboard received over 1.1 million views from over 300,000 unique users by the end of 2021.
- 2020–2023: Created the Canadian COVID-19 Data Archive, a public archive with hundreds of thousands of datasets, documents, and webpages updated automatically via a Python package.
- 2021–2022: Automated updates of the COVID-19 dataset via custom R packages/GitHub Actions.
- 2022–2023: Created the Timeline of COVID-19 in Canada, the most accurate and comprehensive Canadian COVID-19 dataset available by combining dozens of archived data sources.

University of Toronto, Toronto, ON — **September 2018 - Present**

- Coordinated the evaluation of an antimicrobial stewardship intervention in primary care physicians in Canada and Israel (funded by the European Commission); lead author on published protocol.
- Teaching assistant for a master's level course on epidemiology methods (2019, 2021, 2022, 2023) and public health surveillance (2020).

McGill University, Montreal, QC — **September 2016 - August 2018**

- Master's thesis used electronic medical record data from several QC hospitals and drug dispensation data from QC's public insurance plan (RAMQ) to analyze and predict antibiotic resistance.
- Two guest lectures on the mathematical modelling of infectious diseases for graduate-level course.

University of Ottawa, Ottawa, ON — **May 2014 - August 2016**

- Conducted lab, field, and statistical modelling research under four supervisors in the fields of infectious disease epidemiology, ecology, and evolutionary biology (resulted in two publications).
- Teaching assistant for a third-year population and community ecology course (2016).

SCHOLARSHIPS & AWARDS	**Vanier Canada Graduate Scholarship: $150,000 (2019–2022)**
	Ontario Graduate Scholarship: $15,000 (2018–2019, 2022–2023)
	COVID-19 Student Engagement Award (University of Toronto) (2020, 2021)
	Randall Coates Award for Communicable Disease Epidemiology (University of Toronto): $650 (2020)
	Global Health & Artificial Intelligence Challenge (DLSPH & Vector Institute): Second place (2020)
	Max E. Binz Fellowship (McGill University, Faculty of Medicine): $10,000 (2017–2018)
	Canadian Institutes of Health Research Canada Graduate Scholarship - Master's: $17,500 (2016–2017)
	Natural Sciences and Engineering Research Council of Canada Undergraduate Student Research Award: $6,000 per award (2014, 2015)
	Undergraduate Research Opportunity Program (University of Ottawa): $1,000 (2015)

SUCCESSFUL GRANT APPLICATIONS	FAIR COVID-19 Data for Canada (Canadian Network for Modelling Infectious Diseases): $70,000 (2022); **Soucy J-PR** with Colliander J, Berry I, Sturrock SL
	The Impact of the COVID-19 Pandemic on Antibiotic Use and Resistance (ICARE) (Canadian Institutes of Health Research): 2021; Co-investigator with MacFadden DR and collaborators

REFEREED PUBLICATIONS	<u>Articles and letters</u> (* indicates equal contribution)

Soucy J-PR, Langford BJ, So M, Raybardhan S, MacFadden D, Daneman N, Bertagnolio S. 2023. Real-life implications of prevalence meta-analyses? Doi plots and prediction intervals are the answer – Authors' reply. The Lancet Microbe. 4(7): e491. doi: 10.1016/S2666-5247(23)00098-8

MacFadden DR, Maxwell C, Bowdish D, Bronskill S, Brooks J, Brown K, Burrows LL, Clarke A, Langford B, Leung E, Leung V, Manuel D, McGeer A, Nott C, Mishra S, Morris AM, Raybardhan S, Sapin M, Schwartz KL, So M, **Soucy J-PR**, Daneman N. 2023. COVID-19 vaccination is associated with reduced outpatient antibiotic prescribing in older adults with confirmed SARS-CoV-2: A population wide cohort study. Clinical Infectious Diseases. 77(3): 362–370. doi: 10.1093/cid/ciad190

Langford BJ, So M, Simeonova M, Leung V, Lo J, Kan T, Raybardhan S, Sapin ME, Mponponsuo K, Farrell A, Leung E, **Soucy J-PR**, Cassini A, MacFadden D, Daneman N, Bertagnolio S. 2023. Antimicrobial resistance in patients with COVID-19: A systematic review and meta-analysis. The Lancet Microbe. 4(3): e179–e191. doi: 10.1016/S2666-5247(22)00355-X

Langford BJ, **Soucy J-PR**, Leung V, So M, Kwan ATH, Portnoff JS, Bertagnolio S, Raybardhan S, MacFadden DR, Daneman N. 2022. Antibiotic resistance associated with the COVID-19 pandemic: A systematic review and meta-analysis. Clinical Microbiology and Infection. 29(3): 302–309. doi: 10.1016/j.cmi.2022.12.006

Langford BJ, So M, Leung V, Raybardhan S, Lo J, Kan T, Leung F, Westwood D, Daneman N, MacFadden DR, **Soucy J-PR**. 2022. Predictors and microbiology of respiratory and bloodstream bacterial infection in patients with COVID-19: Author's response. Clinical Microbiology and Infection. 28(6): 888–889. doi: 10.1016/j.cmi.2022.01.020

Soucy J-PR, Buchan SA, Brown KA. 2022. How should we present the epidemic curve for COVID-19? McGill Journal of Medicine. 20(1). doi: 10.26443/mjm.v20i1.901

Langford BJ, So M, Leung V, Raybardhan S, Lo J, Kan T, Leung F, Westwood D, Daneman N, MacFadden DR, **Soucy J-PR**. 2021. Predictors and microbiology of respiratory and bloodstream bacterial infection in patients with COVID-19: living rapid review update and meta-regression. Clinical Microbiology and Infection. 28(4): 491–501. doi: 10.1016/j.cmi.2021.11.008

Harris DA, Sobers M, Greenwald ZR, Simmons AE, **Soucy J-PR**, Rosella LC. 2021. Is 3 feet of physical distancing enough? Clinical Infectious Diseases. 74(2): 368–370. doi: 10.1093/cid/ciab439

Soucy J-PR*, Ghasemi A*, Sturrock SL, Berry I, Buchan SA, MacFadden DR, Brown KA. 2021. Trends in Interregional Travel to Shopping Malls and Restaurants Before and After Differential COVID-19 Restrictions in the Greater Toronto Area. JAMA Network Open. 4(8): e2123139. doi: 10.1001/jamanetworkopen.2021.23139

Articles and letters (cont.) (* indicates equal contribution)

Berry I, O'Neill M, Sturrock SL, Wright JE, Acharya K, Brankston G, Harish V, Kornas K, Maani N, Naganathan T, Obress L, Rossi T, Simmons AE, Van Camp M, Xie X, Tuite AR, Greer AL, Fisman DN, **Soucy J-PR**. 2021. A sub-national real-time epidemiological and vaccination database for the COVID-19 pandemic in Canada. Scientific Data. 8: 173. doi: 10.1038/s41597-021-00955-2

Cheng S, Plouffe R, Nanos SM, Qamar M, Fisman DN, **Soucy J-PR**. 2021. The effect of average temperature on suicide rates in five urban California counties, 1999–2019: An ecological time series analysis. BMC Public Health. 21: 974. doi: 10.1186/s12889-021-11001-6

Brown KA, **Soucy J-PR**, Buchan SA, Sturrock SL, Berry I, Stall NM, Jüni P, Ghasemi A, Gibb N, MacFadden DR, Daneman N. 2021. The mobility gap: estimating mobility thresholds required to control SARS-CoV-2 in Canada. Canadian Medical Association Journal. 193 (16). doi: 10.1503/cmaj.210132

Langford BJ, So M, Raybardhan S, Leung V, **Soucy J-PR**, Westwood D, Daneman N, MacFadden DR. 2021. Antibiotic prescribing in patients with COVID-19: A rapid review and meta-analysis. Clinical Microbiology and Infection. 27(4): P520–531. doi: 10.1016/j.cmi.2020.12.018

Krkosek M, Jarvis-Cross M, Wadhawan K, Berry I, **Soucy J-PR**, Bodner K, Greiner A, Krichel L, Penk S, Shea D, Vargas Soto JS, Tekwa E, Mideo N, Molná PK. 2021. Establishment, contagiousness, and initial spread of SARS-CoV-2 in Canada. 2021. FACETS. 6(1): 180–194 doi: 10.1139/facets-2020-0055

Acharya KR, Brankston G, **Soucy J-PR**, Cohen A, Hulth A, Löfmark S, Davidovich N, Ellen ME, Fisman D, Moran-Gilad J, Steinman A, MacFadden DR, and Greer AL. 2021. Evaluation of an open stewardship generated feedback intervention to improve antibiotic prescribing among primary care veterinarians in Ontario, Canada and Israel: Protocol for evaluating usability and an interrupted time-series analysis. 2021. BMJ Open. 11(1): e039760. 10.1136/bmjopen-2020-039760

Soucy J-PR, Low M, Acharya KA, Ellen ME, Hulth A, Löfmark S, Garber G, Watson W, Moran-Gilad J, Fisman DN, MacFadden DR. Evaluation of an automated feedback intervention to improve antimicrobial prescribing among primary care physicians (OPEN Stewardship): Protocol for an interrupted time-series and usability analysis in Ontario, Canada and Southern Israel. 2021. BMJ Open. 11(1): e039810. 10.1136/bmjopen-2020-039810

Langford BJ, So M, Raybardhan S, Leung V, Westwood D, MacFadden DR, **Soucy J-PR**, Daneman N. 2020. Bacterial co-infection and secondary infection in patients with COVID-19: A living rapid review and meta-analysis. Clinical Microbiology and Infection. 26(12): 1622–1629. doi: 10.1016/j.cmi.2020.07.016

Berry I, **Soucy J-PR**, Tuite A, Fisman D. 2020. Open access epidemiologic data and an interactive dashboard to monitor the COVID-19 outbreak in Canada. Canadian Medical Association Journal. 192(15): E420. doi: 10.1503/cmaj.75262

Soucy J-PR, Schmidt AM, Quach C, Buckeridge DL. 2020. Fluoroquinolone use and seasonal patterns of ciprofloxacin resistance in community-acquired urinary *Escherichia coli* infection in a large urban center. American Journal of Epidemiology. 189(3): 215–223. doi: 10.1093/aje/kwz239

Soucy J-PR, Schmidt AM, Frenette C, Dolcé P, Boudreault AA, Buckeridge DL, Quach C. 2019. Joint modelling of resistance to six antimicrobials in urinary *Escherichia coli* isolates in Quebec, Canada. Antimicrobial Agents and Chemotherapy. 63(7): e02531–18. doi: 10.1128/AAC.02531-18

Soucy J-PR, Kutcher SA, MacLean E, Sewitch MJ. 2019. You only die twice. American Journal of Public Health. 109(1): e9. doi: 10.2105/AJPH.2018.304822

Soucy J-PR, Slatculescu AM, Nyiraneza C, Ogden NH, Leighton PA, Kerr JT, Kulkarni MA. 2018. High-resolution ecological niche modelling of *Ixodes scapularis* ticks based on passive surveillance data at the northern frontier of Lyme disease emergence in North America. Vector-Borne and Zoonotic Diseases. 18(5): 235–242. doi: 10.1089/vbz.2017.2234

Soucy J-PR. 2017. Cats, rabbits, birds, and viruses, oh my! Modelling the conservation implications of a complex virus release in a predator–prey system. Society for Industrial and Applied Mathematics Undergraduate Research Online. 10: 40–64. doi: 10.1137/16S015553

Kraemer SA*, **Soucy J-PR***, Kassen R. 2017. Antagonistic interactions of soil pseudomonads are structured in time. FEMS Microbiology Ecology. 93(5): fix046. doi: 10.1093/femsec/fix046

Book chapters

Soucy J-PR, Tomayer, A, Veilleux-Gravel, E, Fleming, K. Part of Your World: Mermaids and Where to Find Them[†]. In: E. Waters and RJ Smith? (eds), *Monster Math*, University of Ottawa Press, in press. [[†]Introduction to species distribution modelling]

Available as preprints

Soucy J-PR, Fisman DN, MacFadden DR, Brown KA. Characterizing responsiveness to the COVID-19 pandemic in the United States and Canada using mobility data. medRxiv (preprint). doi: 10.1101/2022.11.08.22282050

Ghasemi A, Daneman N, Berry I, Buchan SA, **Soucy J-P**, Sturrock S, Brown KA. Impact of a nighttime curfew on overnight mobility. medRxiv (preprint). doi: 10.1101/2021.04.04.21254906

Soucy J-PR, Sturrock SL, Berry I, Westwood DJ, Daneman N, MacFadden DR, Brown KA. 2020. Estimating effects of physical distancing on the COVID-19 pandemic using an urban mobility index. medRxiv (preprint). doi: 10.1101/2020.04.05.20054288

Submitted articles

Soucy J-PR, Low M, Acharya KR, Ellen M, Hulth A, Löfmark S, Garber GE, Watson W, Moran-Gilad J, Davidovitch N, Amar T, McCready J, Orava M, Brownstein JS, Brown KA, Fisman DN, MacFadden DR. Evaluation of an automated feedback intervention to improve antibiotic prescribing among primary care physicians (OPEN Stewardship): a multinational controlled interrupted time-series study.

An interrupted time series to evaluate the impact of an OPEN Stewardship generated feedback intervention on antibiotic prescribing among primary care veterinarians in Canada and Israel. Acharya KR, Cohen A, Brankston G, **Soucy J-PR**, Hulth A, Löfmark S, Brownstein JS, Davidovitch N, Ellen ME, Fisman DN, Moran-Gilad J, Steinman A, MacFadden DR, Greer A.

Harris DA, **Soucy J-PR**, Kinitz DJ, Liu K, Rajendran AA, Sturrock SL, St. Cyr K, Christenson R. 2020. Four dates, one future: Founding editorial for the University of Toronto Journal of Public Health. University of Toronto Journal of Public Health. 1(1): 1–5. doi: 10.33137/utjph.v1i1.34435

Soucy J-PR. Open data: A crucial component of COVID-19 surveillance. Society for Epidemiologic Research 56th Annual Meeting; 2023 June 15; Marriott Portland Downtown Waterfront; Portland, US.

Soucy J-PR. Characterizing responsiveness to the COVID-19 pandemic in the United States and Canada using mobility data. Society for Epidemiologic Research 56th Annual Meeting; 2023 June 15; Marriott Portland Downtown Waterfront; Portland, US.

Soucy J-PR. Web scraping for public health. Workshop for Dalla Lana School of Public Health 15th Annual Student-Led Conference; 2022 November 19; University of Toronto; Toronto, CA.

Soucy J-PR. Open data and open science in the pandemic age. Guest lecture for Diversity and Sustainability in a Covid-19 World (LOYC398/PSYC428); 2021 October 22; Concordia University, Montreal, CA; webinar.

Soucy J-PR. What makes R Shiny so shiny? A step-by-step introduction to interactive dashboards in R. 2021 June 5; Ninth Annual Canadian Statistics Student Conference; online workshop.

Soucy J-PR, Howard C, Lam AT, McCarney R. Massey Is Missing COP26 - Climate Change and Global Health Threats; 2021 September 23; Massey College; webinar.

Soucy J-PR, von Bergmann J. A Year of COVID-19 Open Data; 2021 April 22; Canadian Open Data Society; webinar.

Soucy J-PR, Berry I. Epidemiological insights using the COVID-19 Canada Open Data Working Group datasets. Guest lecture for Foundations in Epidemiology (HTH 400); 2021 March 4; McMaster University, Hamilton, CA; webinar.

Soucy J-PR, Brindle B, Li W, Mulligan K. COVID-19 Panel Discussion: A Vaccine Recovery. 2021 January 15; Infectious Disease Working Group, Toronto, CA; webinar.

Soucy J-PR, Brown KA. Ghost curves & the mobility gap: Real-time epidemic surveillance through the lens of reporting delays and human mobility. Infectious Disease Research Rounds; 2021 January 13; Toronto, CA; webinar.

Soucy J-PR. Estimating effects of physical distancing on the COVID-19 pandemic using an urban mobility index. Toronto Antimicrobial Resistance Research Network Quarterly Meeting; 2020 September 18; Public Health Ontario Laboratory; webinar.

Soucy J-PR, Berry I, Levin A, Heffer J. The Epidemiology, Big Data of Covid Panel Discussion. 2020 June 17; Department of Biochemistry Graduate Student Seminar Series; University of Toronto; webinar.

Soucy J-PR, Berry I. Open access epidemiological data and an interactive dashboard to monitor the COVID-19 outbreak in Canada; 2020 May 27; SickKids C-GCH Weekly Seminar Series; webinar.

Soucy J-PR, Berry, I. Open access epidemiological data and an interactive dashboard to monitor the COVID-19 outbreak in Canada; 2020 May 4; University of Toronto PGME Global Health Education Initiative; webinar.
Soucy J-PR, Berry, I. Advanced Methods Webinar - COVID-19 Canada Open Data and Visualization with R Shiny; 2020 April 28; Population Data BC; webinar.

Soucy J-PR, Berry, I, Stall, N, Upshur, R. Special DLSPH Event: COVID-19 Webinar; 2020 March 24; Dalla Lana School of Public Health, University of Toronto; webinar.

Soucy J-PR. Reimagining the antibiogram. Toronto Antimicrobial Resistance Research Network Quarterly Meeting; 2020 January 24; Public Health Ontario Laboratory; Toronto, CA.

Soucy J-PR. Joint modelling of resistance to six antimicrobials in urinary *Escherichia coli* isolates in Quebec, Canada. Microbiology & Infectious Diseases Research Days; 2019 June 3; University of Toronto; Toronto, CA.

Soucy J-PR. Multivariate modelling of resistance to six antimicrobials in urinary *Escherichia coli* isolates in Quebec, Canada. Research and Practice Day; 2018 November 9; University of Toronto; Toronto, CA.

Soucy J-PR. Modelling environmental risk of Lyme disease using passive tick surveillance in Ontario. 14th Annual EBOH Student Research Day; 2018 March 17; Montreal Neurological Institute; Montreal, CA. [**2nd place oral presentation award**]

Soucy J-PR, Low M, Acharya KR, Ellen M, Hulth A, Löfmark S, Garber GE, Watson W, Moran-Gilad J, Davidovitch N, Amar T, McCready J, Orava M, Brownstein JS, Brown KA, Fisman DN, MacFadden DR. Evaluation of an automated feedback intervention to improve antimicrobial prescribing among primary care physicians (OPEN Stewardship): a controlled interrupted time-series analysis. 33rd European Congress of Clinical Microbiology & Infectious Diseases; 2023 April 17; Bella Center Copenhagen; Copenhagen, DK.

Soucy J-P, Kerr, J, Kulkarni, M. Ecological niche modelling of the tick vector of Lyme disease from passive surveillance data in Ottawa, Ontario. Biology Honours Thesis Poster Session; 2016 April 28; University of Ottawa; Ottawa, CA.

Soucy J-P, Kraemer, S, Kassen, R. Spatial, temporal, and genetic factors influencing antagonistic interactions in *Pseudomonas* soil isolates. Undergraduate Research Opportunity Symposium; 2015 April 2; University of Ottawa; Ottawa, CA.

Massey College

Junior fellow   **September 2021 - Present**

- Selected as a Junior Fellow at Massey College, a scholarly community located on the University of Toronto campus.

Doctoral Epidemiology Training Association, Toronto, ON

Education committee co-chair, curriculum committee representative   **April 2019 - August 2021**

- Organized events to develop academic and professional skills of doctoral students.
- Student representative for the epidemiology doctoral program to the curriculum committee.

Admissions committee member   **February 2020 - January 2023**

- Member of the MPH (2020) and PhD (2021, 2022, 2023) admissions committees.

First year representative   **September 2018 - April 2019**

- Assisted with the organization of a monthly journal club and other events.

McGill Epidemiology, Biostatistics, and Occupational Health Student Society, Montreal, QC

President **October 2017 - September 2018**

- Represented a department of approximately 250 graduate students and postdoctoral fellows.
- Led council and organized events including a departmental Research Day conference, a Career Day and numerous seminars, social events and other academic programs.

MSc Epidemiology program representative **October 2016 - September 2017**

- Attended curriculum committee meetings, designed and distributed a program survey, organized a seminar and assisted with planning the department's Research Day conference.

Editorial boards

University of Toronto Journal of Public Health **March 2019 - September 2022**

Founding editor and section editor for epidemiology

- Founding editor of a student-run public health journal at the University of Toronto which launched its first issue in May 2020.
- Presided over a successful leadership transition in 2022.

McGill Journal of Medicine **September 2017 - August 2018**

Section editor

- Editor and proofreader for a student-run medical journal.

Reviewer

- PLOS Computational Biology (2023), Scientific Data (2022), Preventative Medicine Reports (2021), Preventative Medicine (2020), Clinical Infectious Diseases (2020), Canadian Medical Association Journal (2018, 2022), PLOS ONE (2017)

EMPLOYMENT
EXPERIENCE

Biossil **May 2023 - October 2023**

Data scientist

- Core product developer for Biossil, an applied AI drug discovery platform founded to develop targeted therapies for biologically defined patient sub-populations.
- Defined requirements, acquired data, and implemented processes for core analysis pipeline.

Public Health Agency of Canada **April 2021 - May 2023**

Epidemiologist/Biostatistician (casual)

- Worked with the Health Infobase to support the goal of providing the public with tools for accessing and understanding public health data.

Freelance statistical consultant

- Supported researchers at WHO, Sunnybrook Hospital, and other organizations

OTHER WRITING

Soucy J-PR. 2023. AI could revitalize local journalism, but only if we demand better digital municipal records. The Globe and Mail.

Soucy J-PR. 2022. Canada needs better data to confront our health-care crisis. The Hub.

Soucy J-PR. 2022. Why we must not 'follow the science'. The Hub.

The COVID Strategic Choices Group. 2020. Building the Canadian Shield: A New Strategy to Protect Canadians From COVID and From the Fight Against COVID. Global Canada. [Contributor]

Soucy J-PR. 2018. What makes ticks tick? Using your tick encounters to predict Lyme disease risk. McGill Blogs.

OTHER WRITING (CONT.)

Written about trending news topic from a data-informed and data transparency perspective at the Data Gripes blog (selected posts):

- Filling in the timeline of COVID-19 in Saskatchewan (used Freedom of Information to access COVID-19 data)
- Pierre Poilievre's bad YouTube tags (used data scraping of archived webpages to examine hidden metadata shedding light on a trending news story)
- About that Canadian surgical mask vs N95 trial that never came out (used Freedom of Information to try to gain insight into a delayed clinical trial)

VOLUNTEER EXPERIENCE

Children's Hospital of Eastern Ontario, Ottawa, ON   **January 2016 - July 2016**

Clinical research assistant (SUPPORT program)

- Acted as a first point of contact for clinical research in the Emergency Department.
- 4 hrs/week: Screened patients for eligibility in clinical studies, spoke to families and patients about enrolment and collected research data.

SELECTED MEDIA

During the COVID-19 pandemic, I was interviewed over 150 times by Canadian and international TV, radio, and print media as an expert in epidemiology and advocate for open health data during the COVID-19 pandemic. Below is a small selection of my media appearances and quotations:

How Data Can Help Fight the Healthcare Crisis. 2022. Zoomer Radio.

Virus data gaps threaten to become gulfs. 2022. Winnipeg Free Press.

As Whistler launches vaccination push, experts say B.C. has a COVID-19 data problem. 2021. Toronto Star. [Quoted on the floor of the British Columbia legislature]

Canada ski resort linked to largest outbreak of P1 Covid variant outside Brazil. 2021. The Guardian.

COVID-19 cases rose as Canadians spent more time outside their homes: study. 2021. Global News.

Ontario provides more accurate ICU numbers after previously reporting a portion of patients. 2021. Toronto Star.

'Perfect storm': Is Canada headed for a third wave of COVID-19? 2021. Global News.

Un « bouclier canadien » pour éviter les confinements en yo-yo et une troisième vague. 2021. Radio-Canada.

Do we really have a handle on COVID-19 spread in Ontario? Testing problems are leading many to question if anyone actually knows what's happening. 2020. Toronto Star.

How Canada's crucial data gaps are hindering the coronavirus pandemic response. 2020. The Globe & Mail.

OTHER PRESENTATIONS

Soucy J-PR. Let's Target Lyme: Busting Myths[†]. Barrie Canoe And Kayak Club; 2019 April 8; Barrie, CA. [†With Simcoe Muskoka District Health Unit]

Soucy J-PR. A conversation about Lyme Disease. Elora Cataract Trailway Association AGM; 2019 March 24; Elora, CA.

Soucy J-PR. Lyme disease: Causes, prevention, detection, and treatment. Hike Ontario Summit; 2018 September 29; Orillia, CA.

Soucy J-PR. Lyme disease: Panel discussion. Hike Ontario Summit; 2016 October 1; Perth Golf Course; Perth, CA.

SKILLS & TRAINING

Software

- Programming, statistics, & visualization: R, Python, SQL, JavaScript, Bash, R Shiny dashboards.
- Web services: Administration of a personal Linux-based cloud server, AWS, Heroku, GitHub Actions.
- GIS: R, QGIS, ArcGIS.
- Survey design: Qualtrics, REDCap.
- Open source projects on GitHub (personal / COVID-19 Canada Open Data Working Group).

Training

- AI4PH (Public Health) Summer Institute: Completed 4 day workshop at the University of Toronto's Fields Institute focused on AI and causal inference using machine learning methods (2023)

- Completed a 9 hour "Introduction to Science Journalism" course, taught by a science reporter for The Globe & Mail newspaper (2019)

AFFILIATIONS   Professional organizations
- Canadian Network for Modelling Infectious Diseases (2022–Present)
- Association of Public Health Epidemiologists in Ontario (2020–2022)