

Jean-Paul R. Soucy

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EDUCATION

- University of Toronto, Toronto, ON, Canada / PhD Epidemiology, public health policy specialization
Thesis topic: Infectious disease surveillance (Final thesis defence: early January 2024)
- McGill University, Montreal, QC, Canada / MSc Epidemiology / August 2018
- University of Ottawa, Ottawa, ON, Canada / HSc Biology, minor Mathematics / April 2016

PUBLICATIONS AND AWARDS

- 20+ peer-reviewed publications in journals including *The Lancet Microbe*, *Canadian Medical Association Journal*, and *American Journal of Epidemiology*, with 2,500+ citations on [Google Scholar](https://scholar.google.com/citations?user=jeanpaulsoucy)
- Research in epidemiology, public health surveillance, time series analysis, machine learning, meta-analysis, causal inference with quasi-experiments, analysis of electronic health record databases
- Designed & implemented a multinational, quasi-experimental evaluation of a healthcare intervention among primary care physicians with external controls drawn from electronic health record databases
- Over \$200,000 in competitive graduate awards, including the Vanier Canada Graduate Scholarship

IMPACT AND ENGAGEMENT

- Co-led the creation of a pan-Canadian COVID-19 [dataset](#), [dashboard](#), and API widely used by researchers, journalists, the public, and organizations like the Public Health Agency of Canada, Esri, Google, and Our World in Data; dashboard received over 1.1 million views by Dec 2021
- Recruited and co-led a [team](#) of over a dozen graduate students to maintain and adapt this COVID-19 dataset and dashboard in response to changing user needs, feedback, and knowledge gaps
- [Automated COVID-19 data collection](#) with a series of R and Python packages and GitHub Actions
- Written for the popular press in outlets such as [The Globe and Mail](#) on topics including public health policy, health data, and artificial intelligence
- 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
- Delivered conference workshops on data visualization and web scraping for public health
- Founding editor of [University of Toronto Journal of Public Health](#) (launched in 2020)
- President of McGill Epidemiology, Biostatistics, and Occup. Health Student Society (2017–2018)

WORK EXPERIENCE

- **Biossil**, Toronto, ON / May 2023 - October 2023
Data scientist: Core product developer for Biossil, an applied AI drug discovery platform; defined requirements, acquired data, and implemented processes for core analysis pipeline
- **Public Health Agency of Canada**, Ottawa, ON (remote) / 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

SKILLS

- R, Python, R Shiny dashboards, SQL, JavaScript, Bash scripting, GIS, web design, survey design
- Web services: Administrator of personal Linux-based cloud server, AWS, Heroku, GitHub Actions