

Shaun Shaikh

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Education Ph.D. Economics, McMaster University, Hamilton, ON (expected in 2022)
 M.A. Economics, McMaster University, Hamilton, ON
 B.A. Economics, University of Waterloo, Waterloo, ON
 B.Math. University of Waterloo, Waterloo, ON

Areas of Interest

Health Economics, Applied Micro-econometrics

Ph.D. Advisory Committee

Arthur Sweetman (Chair), Michael Veall, Paul Contoyannis

Thesis Econometric Analysis of Missing Data Problems with Application to Cardiac Arrest in Ontario

- **Chapter 1:** (*Job Market Paper*): Credibly Bounding Trends with Trending Measurement Error: Addressing the Unintended Consequences of Data Quality Improvement, with Arthur Sweetman
- **Chapter 2:** Temporal Trends in Survival for Patients with In-hospital Cardiac Arrest in Ontario: 2003-2010, with Ahmad von Schlegell, Mathew Mercuri, Madhu K. Natarajan, and Arthur Sweetman
- **Chapter 3:** What Happens after Cardiac Arrest? Patterns of Care with Patient Enrollment, with Arthur Sweetman

Published Peer-reviewed Journal Articles

Steffler, M., Li, Y., Weir, S., Shaikh, S., Murtada, F., Wright, J. G., & Kantarevic, J. (2021). Trends In Prevalence of Chronic Disease and Multimorbidity in Ontario, Canada. *CMAJ*, 193(8), E270-E277.

Weir, S., Steffler, M., Li, Y., Shaikh, S., Wright, J. G., & Kantarevic, J. (2020). Use of the Population Grouping Methodology of the Canadian Institute for Health Information to Predict High-Cost Health System Users in Ontario. *CMAJ*, 192(32), E907-E912.

Li, Y., Weir, S., Steffler, M., Shaikh, S., Wright, J. G., & Kantarevic, J. (2019). Using Diagnoses to Estimate Health Care Cost Risk in Canada. *Medical Care*, 57(11), 875.

Sekercioglu, N., Shaikh, S., Guyatt, G., & Busse, J. (2017). Derivation and Validation of a Prognostic Model for Workers Disabled by Depression. *Journal of Clinical and Analytical Medicine*, 8(4), 351-356.

Sekercioglu, N., Busse, J., Sekercioglu, M., Agarwal, A., Shaikh, S., Lopes, L., Mustafa, R., Guyatt, G., & Thabane, L. (2016). Cinacalcet Versus Standard Treatment for Chronic Kidney Disease: A Systematic Review and Meta-Analysis. *Renal Failure*, 38(6), 857-874.

Conference and Seminar Presentations

Canadian Economics Association Meetings 2019, Banff, AB, Canada.

'Can CIHI's Canadian Health Risk Predictive Model be Used to Predict High-Cost Health System Users?' (May 2019).

Visiting Speaker Series, Economics, Wilfred Laurier University, Waterloo, ON, Canada.

'Evaluating Trends In Successful Resuscitation After Cardiac Arrest Under Trending Misclassification Error: Estimating Bounds Under Partially Verified Data.' (Nov. 2018).

Department of Economics Seminar, Econometrics Series, Northwestern University, Evanston, IL, US.

'Trends in Successful Resuscitation after Cardiac Arrest under Trending Misclassification Error: Estimating Bounds under Partially Verified Data.' (Sept. 2017).

Health, Econometrics and Data Group Seminar, University of York, York, UK.

'Evaluating Trends in Successful Resuscitation after Cardiac Arrest under Trending Misclassification Error: Estimating Bounds under Partially Verified Data.' (Jun. 2017).

Canadian Economics Association Meetings 2016, University of Ottawa, Ottawa, ON, Canada.

'What Happens after Cardiac Arrest? Patterns of Care with Patient Enrollment.' (Jun. 2016).

Waterloo Economics PhD Conference, University of Waterloo, Waterloo, ON, Canada.

'Time to Visit GP after Cardiac Arrest.' (May 2016).

Primary Care Reform Symposium, University of Toronto, Toronto, ON, Canada.

'In-hospital Cardiac Arrest, Post-Discharge Primary Care and Health Outcomes.' (Jan. 2016).

Private Sector Employment

Senior Economist: Ontario Medical Association August 2018-Present

- Research, data analysis, and report preparation related to the Ontario healthcare system
- Output included peer-reviewed publication, white papers, and internal reports

Academic Research Employment

Research Assistant: *Charles Manski*, Northwestern University Summer, Fall 2017

- Coded user interface and back-end logic in Python for a clinical software tool to predict expected remaining lifetime under user inputted risk factor information to augment public life table data
- Statistical techniques required solving numerical linear programming problems to bound (i.e., partially identify) expected remaining lifetime, given aggregate distribution of demographics and user inputted risk factors and restrictions (i.e., monotonicity and bounded variation conditions)

Research Assistant: *Arthur Sweetman*, McMaster University Summer 2013 to Summer 2016

- Data preparation and analysis using Stata on large linked Ontario administrative health datasets related to topics on Ontario primary care reform

Academic Teaching Employment

Teaching Assistant, *Graduate Level Courses*, McMaster University

<i>Applied Microeconometrics</i> (769)	Winter 2017
<ul style="list-style-type: none">Led Stata tutorials	
<i>Econometrics I</i> (761)	Fall 2017
<ul style="list-style-type: none">Prepared full solutions for, and marked, assignments and midterm, and some class materialsAssisted with Stata tutorial and held office hours	
<i>Microeconomic Theory for Public Policy</i> (727)	Fall 2017
<ul style="list-style-type: none">Marked assignments	

Teaching Assistant, *Undergraduate Level Courses*, McMaster University

<i>Econometrics I</i> (3U03)	Winter 2017
<ul style="list-style-type: none">Prepared materials for, and led, Stata tutorials, and marked assignments and exams	
<i>Applied Econometrics</i> (3WW3)	Winter 2017
<ul style="list-style-type: none">Led Stata tutorials, marked assignments and held office hours	
<i>Econometrics II</i> (4G03)	Fall 2016
<ul style="list-style-type: none">Gave lecture on instrumental variables regression	
<i>Economics of Labour Market Issues</i> (2A03)	Fall 2015
<ul style="list-style-type: none">Gave lecture on indifference curves	
<i>Health Economics</i> (3Z03)	Winter 2013
<ul style="list-style-type: none">Marking and final review lecture on economic models in health	
<i>Intermediate Microeconomics II</i> (2GG3)	Winter 2013
<ul style="list-style-type: none">Marking	
<i>Introduction to Game Theory</i> (3M03)	Fall 2012
<ul style="list-style-type: none">Marking	
<i>Industrial Organization</i> (3S03)	Fall 2012
<ul style="list-style-type: none">Marking	
<i>Intermediate Microeconomics I</i> (2G03)	Fall 2012
<ul style="list-style-type: none">Marking	

Scholarships/Awards

2014-2017 - McMaster University Graduate Scholarship

2013-2014 - CLSRN Ph.D. Fellowship

External Courses

<ul style="list-style-type: none">'<i>Statistical Decision Theory for Treatment Choice and Prediction</i>,' Charles Manski and Aleksey Tetenov, Institute for Fiscal Studies, London, UK	May 2017
<ul style="list-style-type: none">'<i>Partial Identification in Practice</i>,' Adam Rosen, Institute for Fiscal Studies, London, UK	June 2017
<ul style="list-style-type: none">'<i>Introduction to Bayesian Inference</i>,' Theodore Hatch Whitfield, Harvard Extension School, Cambridge, MA, USA	Fall 2019
<ul style="list-style-type: none">'<i>Elements of Data Science and Statistical Learning with R</i>,' Andrey Sivachenko and Victor Farutin, Harvard Extension School, Cambridge, MA, USA	Fall 2020