

# Zoë M. McLaren

June 2023

School of Public Policy & Dept. of Economics  
University of Maryland, Baltimore County  
1000 Hilltop Circle  
Baltimore, MD 21250

zmclaren@umbc.edu  
Tel: 410-455-3203  
Fax: 410-455-1172  
Website: zoemclaren.com

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## POSITIONS HELD

Associate Professor, School of Public Policy & Department of Economics, University of Maryland, Baltimore County (2018-Present).

External Affiliate, Health Econometrics and Data Group, York University (2016-present).

Assistant Professor, Department of Health Management and Policy, School of Public Health, University of Michigan (2010-2018).

Visiting Scholar, International Institute for Economic Policy, Elliot School of International Affairs, George Washington University (2017).

Research Affiliate, IZA Institute for the Study of Labor (2010-2016).

Faculty Associate, Center for Global Health, University of Michigan (2011-2013).

## EDUCATION

Ph.D. Public Policy and Economics, University of Michigan (2010).

Fields: Labor Economics, Development Economics, Health Economics.

B.A. Government and Biology with High Honors, Dartmouth College (2000).

## PEER-REVIEWED PUBLICATIONS

**McLaren, Z.** 2023. Everyone Wins: Vaccine Lotteries Can Cost-Effectively Increase COVID-19 Booster Vaccination Rates. *American Journal of Epidemiology*, 192(4):510-513.

**McLaren, Z.** 2022. Data-driven COVID-19 policy is more effective than a one-size-fits-all approach. *Med*, 3(10):660-663.

**McLaren, Z.** 2019. Coping with Intra-Household Job Separation in South Africa's Labor Market. *Economic Development and Cultural Change*, 67(4): 757-798.

Bailey, M., O. Malkova and **Z. McLaren**. 2019. Does Family Planning Increase Children's Economic Resources? Evidence from the War on Poverty and the Early Years of Title X. *Journal of Human Resources* 54(4): 825-856.

**McLaren, Z.**, A. Sharp, E. Brouwer and A. Nanoo. 2018. The Impact of AIDS Treatment on Tuberculosis Detection at the National Level in South Africa. *American Journal of Tropical Medicine and Hygiene* 99(6): 1407-1414.

Sharp, A, J.T. Donahoe, J. Barocio, A. Milliken, S. Charalambous and **McLaren, Z.** 2018. Do Incarcerated Populations Act As A Disease Reservoir for Tuberculosis in South Africa? *American Journal of Tropical Medicine and Hygiene* 99(6): 1390-1396.

Burger, R and **Z. McLaren**. 2017. An Econometric Method for Estimating Population Parameters from Non-Random Samples: An Application to Clinical Case Finding. *Health Economics* 26 (9), 1110-1122.

Bam, L., **Z. McLaren**, E. Coetzee and K.H. von Leipzig. 2017. Reducing stock-outs of essential tuberculosis medicines: A system dynamics modelling approach to supply chain management. *Health Policy and Planning* 32(8): 1127-34.

**McLaren, Z**, Sharp, A., Hessburg, J., Sabet Sarvestani, A., Parker, E., Akazili, J, Johnson, T.R.B. and Sienko, K. 2017. Cost effectiveness of medical devices to diagnose pre-eclampsia in low-resource settings. *Development Engineering* 2, 99-106.

**McLaren, Z**, A. Sharp, J. Zhou, S. Wasserman and A. Nanoo. 2016. Assessing Health Care Quality Using Routine Data: Evaluating the Performance of the National Tuberculosis Programme in South Africa. *Tropical Medicine and International Health* 22 (2), 171-179.

**McLaren, Z**, K. Schnippel and A. Sharp. 2016. A Data-Driven Evaluation of the Stop TB Global Partnership Strategy of Targeting Key Populations at Greater Risk for Tuberculosis. *PLoS One* 11(10): e0163083.

**McLaren, Z**, A. Milliken, A. Meyer and A. Sharp. 2016. Does Directly Observed Therapy Improve Tuberculosis Treatment? More Evidence Is Needed To Guide Tuberculosis Policy. *BMC Infectious Diseases* 16:537.

**McLaren, Z**, Brouwer, E., Ederer, D., Fischer, K. and Branson, N. 2015. Gender patterns of tuberculosis testing and disease in South Africa. *International Journal of Tuberculosis and Lung Disease* 19(1):104-110.

**McLaren, Z** Equity in the national rollout of public AIDS treatment in South Africa 2004-08. 2014. *Health Policy and Planning* 30(9), 1162-1172.

**McLaren, Z**, C. Ardington and M. Leibbrandt. 2014. Distance decay and persistent health care disparities in South Africa. *BMC Health Services Research* 14.1 (2014): 541.

Levinsohn, J., **Z. McLaren**, O. Shisana and K. Zuma. 2013. HIV Status and Labor Market Participation in South Africa. *Review of Economics and Statistics*, March, 95(1): 98-108.

Moyer CA, **McLaren Z**, Adanu RM, Lantz PM. 2013. Understanding the relationship between access to care and facility-based delivery through an analysis of 2008 Ghana Demographic Health Survey data. *International Journal of Gynecology and Obstetrics* 122: 224-229.

R.G. Majelantle, K. Bainame and **Z. McLaren**. 2010. Knowledge and Risky Behaviours Associated with the Spread of HIV/AIDS Among Young Persons in Botswana. *Botswana Notes and Records*, 42:121-133.

Banerjee, A., S. Galiani, J. Levinsohn, **Z. McLaren** and I. Woolard. 2008. Why Has Unemployment Risen in the New South Africa? *Economics of Transition*, 16(4): 715-740.

## **WORKING PAPERS**

**McLaren, Z**, The Effect of Access to AIDS Treatment on Employment Outcomes in South Africa. (Submitted.)

**Z. McLaren**, Bor, J., F. Tanser and T. Barnighausen. Economic Stimulus from Public Health Programs: Externalities from Mass AIDS Treatment Provision in South Africa. (Submitted.)

**McLaren, Z.** Data-driven Targeting of COVID-19 Vaccination Programs: An Analysis of the Evidence on Impact, Implementation, Ethics and Equity. (Submitted.)

**McLaren, Z.** Stormborn: Evaluating the Impact of Facility-Based Delivery on Health and Economic Outcomes Using a Machine Learning Approach. (Draft available.)

**McLaren, Z.** Innovation in health and health care: The case of COVID-19 rapid tests. (Draft available.)

## **OP-EDS**

**McLaren, Z.** The Math That Explains the End of the Pandemic. *New York Times*. 2021.

**McLaren, Z.** Hang Out With Your Vaccinated Friends. *New York Times*. 2021.

**McLaren, Z.** One-Size-Fits-All Mask Guidance Isn't Going to Work Anymore. *WIRED*. 2021

**McLaren, Z.** The FDA's Pause J&J Could Help Defeat COVID-19. *WIRED*. 2021.

**McLaren, Z.** Why A Staggered Vaccine Rollout Is Better Than First Come, First Served. *FiveThirtyEight*. 2021.

**McLaren, Z.** Over-the-counter rapid antigen tests can help slow the spread of COVID-19 – here's how to use them effectively. *The Conversation*. 2021.

**McLaren, Z.** FDA authorized first over-the-counter COVID-19 test – useful but not a game changer. *The Conversation*. 2020.

**McLaren, Z.** No, soaring COVID-19 cases are not due to more testing – they show a surging pandemic. *The Conversation*. 2020.

**McLaren, Z.** Will the new 15-minute COVID-19 test solve US testing problems? *The Conversation*. 2020.

**McLaren, Z.** Rapid screening tests that prioritize speed over accuracy could be key to ending the coronavirus pandemic. *The Conversation*. Reprinted in Slate and Fast Company. 2020.

**McLaren, Z.** Las pruebas de detección rápida del COVID-19 pueden ayudar a frenar la pandemia. *The Conversation*. 2020.

**McLaren, Z.** Making coronavirus testing easy, accurate and fast is critical to ending the pandemic – the US response is falling far short. *The Conversation*. 2020.

**McLaren, Z.** What is a clinical trial? A health policy expert explains. *The Conversation*. 2020.

## **INVITED SEMINARS**

- 2022 George Washington University
- 2020 Johns Hopkins University
- 2019 Center for Global Development; United States Internal Revenue Service
- 2018 University of Connecticut; University of Massachusetts – Amherst; Wayne State University; McMaster University; Institute for Women’s Policy Research; University of Maryland Baltimore County
- 2017 George Washington University; University of Southern California
- 2016 Erasmus University Rotterdam; University of Michigan Medical School
- 2015 Center for Global Development
- 2014 Center for Statistics and the Social Sciences, University of Washington; Stellenbosch University
- 2013 Stellenbosch University; Public Health Foundation of India; Robert Wood Johnson Scholars
- 2012 University of Chicago; University of Cape Town

## **CONFERENCE PRESENTATIONS**

- 2023 Population Association of America; American Society of Health Economists
- 2021 National Academy of Public Administration Social Equity Leadership Conference
- 2020 Society of Labor Economists ; IZA/World Bank Conference
- 2019 IZA/CREST Conference on Labor Market Policy Evaluation; Association for Public Policy and Management International Conference
- 2017 Gates Foundation Institute for Disease Modeling; Population Association of America
- 2016 European Workshop on Econometrics and Health Economics; AIDS; International AIDS Economics Network; Annual World Bank Conference on Development Economics; Midwestern International Economics Conference; Center for the Study of African Economies; Union World Conference on Lung Health
- 2015 Union for African Population Studies; Union World Conference on Lung Health; Microeconomic Analysis of South Africa; International Health Economics Association; Population, Reproductive Health and Economic Development Conference (PopPov); Population Association of America
- 2014 North East Universities Development Consortium; Microeconomic Analysis of South Africa Conference
- 2013 North East Universities Development Consortium; Population Association of America; American Society of Health Economists; International Health Economics Association; Population Poverty Research Network; Microeconomic Analysis of South Africa Conference
- 2012 Unite for Sight Global Health Conference, Yale University; Population Association of America; American Society of Health Economists; Population Poverty Research Network; Microeconomic Analysis of South Africa Conference

## **FELLOWSHIPS AND AWARDS**

- Summer Faculty Research Fellowship, UMBC, 2020, \$6,000.
- Summer Research Faculty Fellowship (SURFF), UMBC, 2019, \$6,000.
- Hewlett Foundation/Population Reference Bureau, 2012, \$76,087.
- Faculty Pilot Research Award, University of Michigan, 2012, \$20,000.
- Center for Global Health, 2012, \$74,000.
- Rackham School of Graduate Studies Spring/Summer Research Grant, 2012, \$10,000.
- Institute for Women and Gender Faculty Seed Grant, University of Michigan, 2012, \$3,640.

McNerney Award, University of Michigan, 2011, \$25,000.  
National Poverty Center, University of Michigan, 2011, \$8,600.  
Hewlett/IIIE Dissertation Fellowship in Population, Reproductive Health and Economic Development, 2009-2011.  
Doctoral Research Award, Nonprofit and Public Management Center, 2009.

## **TEACHING EXPERIENCE**

Microeconomics for Public Policy, University of Maryland Baltimore County, 2021 - Present.  
Metrics and Methods for Measuring Health Disparities, University of Maryland Baltimore County, 2019 - Present.  
Statistical Applications in Evaluation Research, University of Maryland Baltimore County, 2018 - Present.  
Research Methodology, University of Maryland Baltimore County, 2019 - 2023.  
Statistical Analysis, University of Maryland Baltimore County, 2019 - 2021.  
Economics of Health Management and Policy II, University of Michigan, 2011 - 2018.  
Economics of Health Management and Policy (Executive Masters), University of Michigan, 2011 - 2018.  
Health Policy Challenges in Developing Countries, University of Michigan, 2011 - 2018.  
Applied Policy Analysis Using STATA, University of Michigan, 2015 - 2016.

## **REFEREE EXPERIENCE**

**ECONOMICS:** American Economic Journal: Economic Policy, Journal of Development Economics, Health Economics, American Economic Journal: Applied Economics, World Bank Economic Review, Economic Development and Cultural Change, South African Journal of Economics, Development South Africa, Journal of African Economies, The B.E. Journal of Economic Analysis and Policy, Journal of Economic Behavior and Organization.

**PUBLIC HEALTH:** Lancet, PLoS One, Journal of the International AIDS Society, BMJ Global Health, PharmacoEconomics, International Journal of Tuberculosis and Lung Disease, Health Affairs, Public Health, BMC Public Health, BMC Health Services Research, Clinical Infectious Diseases, AIDS, PLoS Global Public Health, International Journal of Infectious Diseases, Cell, Vaccine, PLoS Computational Biology.