

Zoë M. McLaren

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POSITIONS HELD

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

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

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).

ECONOMICS PUBLICATIONS

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.

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.

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.

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.

PUBLIC HEALTH PUBLICATIONS

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.

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.

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.

WORKING PAPERS - ECONOMICS

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

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

Wilde, J. and **Z. McLaren.** The Effect of Ambient Temperature during Pregnancy on Human Sex Ratios at Birth. (Draft available.)

RESEARCH IN PROGRESS

McLaren, Z. Stormborn: The impact of facility-based delivery on maternal and child health and human capital outcomes.

McLaren, Z, R. Burger and T. McCormick. Estimation in the presence of selection on unobservables: an approach using econometric and machine learning methods.

McLaren, Z and K. Schnippel. Developing Rigorous Non-experimental Estimates of the Effectiveness of 9-month All-oral Tuberculosis Regimens that Include Bedaquiline.

McLaren, Z, R. Burger, M. Classens and K. Fielding. New Analytical Methods to Develop Data-Driven Clinical Guidelines to Address the Under-Diagnosis of Drug Resistant TB.

McLaren, Z and R. Burger. A new econometric method to estimate public servant effectiveness: An application to police vehicle search and seizure.

McLaren, Z, J. Rathausser and E. Yoeli. Evaluating Digital Behavioral Interventions to Increase Tuberculosis Drug Adherence.

INVITED SEMINARS

- 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

- 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

Statistical Analysis, University of Maryland Baltimore County, 2019- Present.
Research Methodology, University of Maryland Baltimore County, 2019- Present.
Metrics and Methods for Measuring Health Disparities, University of Maryland Baltimore County, 2018- Present.
Statistical Applications in Evaluation Research, University of Maryland Baltimore County, 2018- Present.
The Economics of Health Management and Policy II, University of Michigan, 2011 - 2018.
The 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: World Bank Economic Review, American Economic Journal: Economic Policy, Journal of Development Economics, Health Economics, American Economic Journal: Applied Economics, 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.

PUBLIC HEALTH: Lancet, PLoS One, Journal of the International AIDS Society, International Journal of Tuberculosis and Lung Disease, Health Affairs, Public Health, BMC Public Health, BMC Health Services Research, AIDS.