

ANTHONY WRAY

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RESEARCH AND TEACHING FIELDS

Research: Primary: Economic History. Secondary: Health, Applied Microeconomics.
Teaching: Economic History, Health Economics, Applied Econometrics.

DOCTORAL STUDIES

Ph.D., Economics, Northwestern University, Evanston, Illinois
Dissertation: The Economic Consequences of In Utero and Childhood Health
Committee Chairperson: Professor Joel Mokyr
Date of Completion: July 2015 (expected)

PREDOCTORAL STUDIES

MA, Economics, Northwestern University, Evanston, Illinois, 2011
MA, Economics, Queen's University, Kingston, ON, Canada, 2009
BA, Economics and History, University of British Columbia, Vancouver, BC, Canada, 2008

FELLOWSHIPS AND AWARDS

Dissertation Year Fellowship, Northwestern University, 2014-2015
History Project Research Grant, 2014
Sokoloff Graduate Dissertation Fellowship, Economic History Association, 2013
Graduate Research Grant, Northwestern University, 2012-2013
Doctoral Fellowship, Social Sciences and Humanities Research Council of Canada, 2009-2013
University Fellowship, Northwestern University, 2009-2014
Morgan Brown Scholarship, Queen's University, 2008-2009
Jamieson-Rosenbluth Prize in Economics, University of British Columbia (UBC), 2008
Francis V Lumb Prize, UBC, 2007
Dr. Jack Diamond Scholarship, UBC, 2006
Eberts Mills McKechnie Scholarship, UBC, 2006
Trek Excellence Scholarship for Continuing Students, UBC, 2005-2007
Undergraduate Scholar Program Scholarship, UBC, 2004-2005

TEACHING EXPERIENCE

Teaching Assistant, Northwestern University, 2013-2014
Economics of Medical Care (undergraduate)
Teaching Assistant, Queen's University, 2008-2009
Intermediate Macroeconomics, Economic History (undergraduate)

RESEARCH EXPERIENCE

Research Assistant to Professor David Dranove, Northwestern University, 2011-2012
Research Assistant to Professor Ian Keay, Queen's University, 2009
Research Assistant to Professor Mauricio Drelichman, University of British Columbia, 2008

JOB MARKET PAPER

“Childhood Health and Long-Run Economic Opportunity in Victorian England”
(with Krzysztof Karbownik)

Abstract: This paper presents new evidence that poor health during childhood has long-run scarring effects on occupational outcomes for males and marriage market outcomes for females. Newly collected data on the causes of admission to two hospitals from late-19th century London, England serve as an indication of childhood health in an environment characterized by high rates of infectious disease. A longitudinal data set is constructed by linking the hospital registers to census records to obtain adult outcomes. We use a sibling fixed effects identification strategy, which compares hospital patients to same-gender siblings, and thus controls for environmental factors common to the childhood household, as well as partially for unobserved genetic and health traits. We find that male patients admitted with acute conditions were 9.4 percentage points (20 percent) more likely than their brothers to work in unskilled or low-skilled occupations, and 7.4 percentage points (27 percent) less likely to work in white collar occupations as adults. We also examine effects on intergenerational mobility and find a 3.8 percentage point (14 percent) increase in the probability of working in a lower occupational class than one's father. These results are robust to different definitions of severity and to different sample restrictions. A unique contribution of this paper is the creation of a longitudinal data set of female patients and their sisters, which relies on marriage certificates to identify surname changes. We find that female patients were 10.7 percentage points (32 percent) less likely to be married as adults relative to their sisters. These results suggest that the consequences of poor health in a pre-modern disease environment encompass not only high rates of infant mortality, but also significant and economically meaningful effects on the long-run socioeconomic opportunity of survivors.

OTHER PAPERS AND WORKS IN PROGRESS

“Long-run Consequences of In Utero Exposure to Hurricanes” (with Krzysztof Karbownik)

The growing human and economic toll of extreme weather events makes it imperative to understand the long-run health and socioeconomic costs of exposure to environmental shocks. This paper explores the effects of in utero exposure to hurricanes on completed years of education, income and lifespan. We identify in utero exposure to hurricanes by combining data on hurricane paths with detailed information on the timing and location of birth from the WWI Draft Registration Cards. We construct a longitudinal data set that links census records from 1900 to 1940 to obtain long-run outcomes. We estimate a difference-in-differences regression in which the effect of hurricane exposure is identified by comparing exposed individuals to those individuals born in the same county before and after the storm, as well as to those individuals born in neighbouring counties concurrent to the storm. We find that in utero exposure to hurricanes is associated with a reduction in completed years of schooling by 0.25 years, or a 14 percent reduction in the probability of elementary school graduation. In ongoing work, we examine effects on income, from the 1940 census, and life expectancy at age 65, from the Social Security Administration's Death Master File.

“Did the Provision of Public Goods Matter? Evidence from London Hospitals”

“Water Quality, Morbidity, and Mortality in London, 1906-1925”

BOOK REVIEWS

Wray, Anthony. Review of Mark Harrison. "Contagion: How Commerce Has Spread Disease" *The Journal of Economic History* 74 (1): 306-307. March 2014.

CONFERENCES AND PRESENTATIONS

- 2013 World Congress of Cliometrics, Hawaii, USA; European Historical Economics Society Conference, London, UK; Economic History Association Annual Meeting, Washington, DC, USA; Annual Meeting of the Social Science History Association, Chicago, IL, USA
- 2014 Early Life Conference, Ann Arbor, MI, USA (poster session); Canadian Economic Association Annual Meeting, Vancouver, Canada

PERSONAL INFORMATION

Age: 28
Marital status: Married
Citizenship: Canadian

REFERENCES

Professor Joel Mokyr (chair)
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