

**JOHANNA CATHERINE MACLEAN**

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**Employment and Affiliations:**

2019-present: Co-Editor, *Journal of Policy Analysis and Management*  
2018-present: Research Associate, National Bureau of Economic Research, Program in Health Economics  
July 2018-present: Associate Professor (tenured), Department of Economics, Temple University  
2018-present: Temple University Liaison, American Economic Association Committee on the Status of Women in the Economics Profession  
2017-present: Board of Directors, Philadelphia Federal Statistical Research Data Center  
2017-present: Research Affiliate, Center for Health Economics of Treatment Interventions for Substance Use Disorder, HCV, and HIV  
2016-present: Faculty Research Fellow, National Bureau of Economic Research, Program in Health Economics  
2016-present: Research Affiliate, Institute for Labor Economics (IZA)  
2014-June 2018: Associate Professor (untentured), Department of Economics, Temple University  
2012-2014: Assistant Professor, Department of Medical Ethics and Health Policy, Perelman School of Medicine, University of Pennsylvania  
2004-2007: Senior Research Associate, Health Economics Research Group, University of Miami

**Education:**

Cornell University	Ph.D.	2012	Economics
Dissertation Title: "Essays in Health Economics"			
Dalhousie University	M.A.	2004	Economics
Dalhousie University	B.Sc.	2002	Economics (First Class Honours)

**Fields of Specialization:**

Health Economics, Applied Microeconomics, Labor Economics, Public Policy

**Honors and Scholarships:**

2017: Outstanding Teaching Award (Graduate), Department of Economics, Temple University  
2016: Georgescu-Roegen Prize, Southern Economic Journal  
2013: Butler-Williams Scholar on Aging (National Institute on Aging; National Institutes of Health)  
2013: Thomas Scattergood Scholar on Behavioral Economics  
2007-2012: College of Human Ecology Graduate Research Assistantship, Cornell University  
2003: Social Sciences and Humanities Research Council of Canada Graduate Student Scholarship  
2002: Prof. W. Russell Maxwell Memorial Scholarship, Dalhousie University  
2002: Dean's List, Dalhousie University  
2001: Dean's List, Dalhousie University  
1999: Dalhousie University Scholarship, Dalhousie University  
1999: Frederick MacMillen Scholarship, Dalhousie University

### **Published Journal Articles:**

- (49) Hill, S.C., Solomon, K.T., Maclean, J.C., Pesko, M.F. (2019) Effects of improvements in the CPS on the estimated prevalence of medical financial burdens. *Health Services Research*. Conditionally accepted.
- (48) Nicholas, L.H., Maclean, J.C. (2018) The effect of medical marijuana laws on the labor supply and health of older adults: Evidence from the Health and Retirement Study. *Journal of Policy Analysis and Management*. Early view.  
-NBER Working Paper 22688.
- (47) Maclean, J.C., Saloner, B. (2018) The effect of public insurance expansions on substance use disorder treatment: Evidence from the Affordable Care Act. *Journal of Policy Analysis and Management*. Early view.  
-NBER Working Paper 23342.
- (46) Maclean, J.C., Carson, N., Cook, B.L., Pesko, M. (2018) Public insurance and psychotropic prescription medications for mental illness. Ben Le Cook. *B.E. Journal of Economic Analysis and Policy*. Online.  
-NBER Working Paper 23760.
- (45) Maclean, J.C., Popovici, I., Stern, E. (2018) Health insurance expansions and provider behavior: Evidence from substance use disorder treatment. *Journal of Law and Economics*. 61(2): 279-310.  
-NBER Working Paper 23094.
- (44) Buckell, J., Marti, J., Maclean, J.C., Sindelar, J.S. (2018) To ‘vape’ or smoke? Experimental evidence on adult smokers. *Economic Inquiry*. 57(1): 705-725.  
-NBER Working Paper 22079.
- (43) Maclean, J.C., Webber, D.A., Sindelar, J.S. (2018) Immigration and access to fringe benefits: Evidence from the Tobacco Use Supplements. *Industrial Relations: A Journal of Economy and Society*. 57(2): 235-259.  
-NBER Working Paper 19753.
- (42) Maclean, J.C., Marti, J., Oney, M., Sindelar, J. (2018) What factors predict the passage of state-level e-cigarette regulations? *Health Economics*. 57: 897–907.
- (41) Bains, J., Pesko, M.F., Maclean, J.C., Cook, B. (2018) Nearly half of small employers using tobacco surcharges do not provide tobacco cessation wellness programs. *Health Affairs*. 37(3): 473–481.
- (40) Popovici, I., Maclean, J.C., Hijazi, B., and Radakrishnan, S. (2018) The effect of state laws designed to prevent nonmedical prescription opioid use on overdose deaths and treatment. *Health Economics*. 27(2): 294-305.
- (39) Maclean, J.C., Saloner, B. (2018) Substance use treatment provider behaviors and healthcare reform: Evidence from Massachusetts. *Health Economics*. 27(1): 76-101.
- (38) Saloner, B., Akosa Antwi, Y., Maclean, J.C., Le Cook, B. (2018) Access to health insurance and utilization of substance use treatment: Evidence from the Affordable Care Act dependent coverage provision. *Health Economics*. 27(1): 50-75.
- (37) Horn, B., Maclean, J.C., Strain, M. (2017) Do minimum wage increases impact worker health? *Economic Inquiry*. 55(4): 1986–2007.  
-NBER Working Paper 22578.
- (36) Pesko, M.F., Maclean, J.C., Hill, S., and Kaplan, C. (2017) Trends over time in enrollment in non-group health insurance plans by tobacco use in the United States. *Preventive Medicine Reports*. 7: 46-49.

- (35) Maclean, J.C., Hill, T.H. (2017) Economic conditions at school-leaving and sleep patterns across the life course. *B.E. Journal of Economic Analysis and Policy*. 17(2): Online.
- (34) Cawley, J.H., Maclean, J.C., Sikora Kessler, A. (2017) Reporting error in weight and height among older adults: Implications for estimating healthcare costs. *The Journal of the Economics of Ageing*. 9: 122-144.
- (33) Richards, M., Marti, J., Maclean, J.C., Fletcher, J., Kenkel, D. (2017) Tobacco control policies, Medicaid coverage, and the demand for smoking cessation drugs. *American Journal of Health Economics*. 3(4): 528-549.
- (32) Maclean, J.C. (2016) Does leaving school in an economic downturn affect body weight?: Evidence from panel data. *Industrial Relations: A Journal of Economy and Society*. 55(1):122-148.
- (31) Maclean, J.C., Covington, R., Sikora Kessler, A. (2016) Labor market conditions at school-leaving: Long-run effects on marriage and fertility. *Contemporary Economic Policy*. 34(1): 63-88.
- (30) Maclean, J.C., Popovici, I., French, M.T. (2016) Are natural disasters in early childhood associated with mental health and substance use disorders as an adult. *Social Science & Medicine*. 151: 78-91.
- (29) French, M.T., Robins, P., Maclean, J.C., Sayed, B., Shiferaw, L. (2016) Tattoos, employment, and labor market earnings: Is there a link in the ink? *Southern Economic Journal*. 82(4): 1212-1246.  
 -- Winner of the 2016 Georgescu-Roegen Prize. The Georgescu-Roegen Prize is awarded each year by the Southern Economic Association® to the author(s) of the best academic article published in the *Southern Economic Journal*®.
- (28) Maclean, J.C., Sikora Kessler, A., Kenkel, D.S. (2016) Cigarette taxes and older adult smoking: Evidence from the Health and Retirement Study. *Health Economics*. 25(4): 424-438.
- (27) Beidas, R.S, Maclean, J.C. Fishman, J., Dorsey, S., Schoenwald, S., Mandell, D.S., Shea, J.A., McLeod, B.D., French, M.T., Hogue, A., Adams, D.R., Lieberman, A., Becker-Haimes, E., & Marcus, S.C. (2016) A randomized trial to identify accurate and cost-effective fidelity measurement methods for cognitive-behavioral therapy: Project FACTS study protocol. *BMC Psychiatry*. 16(1): 323-333.
- (26) Ghimire. K., Maclean, J.C. (2015) Economic conditions at school-leaving and self-employment. *Economics Letters*. 137: 154-156.
- (25) Maclean, J.C., Hill, T. (2015) Leaving school in an economic downturn and self-esteem across early and middle adulthood. *Labour Economics*. 37: 1-12.
- (24) Boes, S., Marti, J., Maclean, J.C. (2015) The impact of smoking bans on consumer behavior: Quasi-experimental evidence from Switzerland. *Health Economics*. 24(11):1502-1516.
- (23) Cawley, J.H., Maclean, J.C., Hammer, M., Wintfeld, N. (2015) Reporting error in weight and its implications for estimates of the economic consequences of obesity. *Economics and Human Biology*. 19(12):27-44.
- (22) Maclean, J.C. (2015) The lasting effects of leaving school in an economic downturn on alcohol use. *Industrial and Labor Relations Review*. 68(1): 120-152.
- (21) Sikora Kessler, A., Maclean, J.C. (2015) An economic perspective on personality traits and alcohol misuse: Evidence from the Health and Retirement Study. *The Journal of Mental Health Policy and Economics*. 18(2): 75-92.
- (20) Maclean, J.C., Webber, D.A., French, M.T. (2015) Workplace problems, mental health, and substance use.

*Applied Economics*. 47(9): 883-905.

(19) Maclean, J.C., Webber, D.A., French, M.T., Ettner, S.L. (2015) The health consequences of adverse labor market events: Evidence from panel data. *Industrial Relations: A Journal of Economy and Society*. 54(3):476-498.

(18) Maclean, J.C., French, M.T. (2014) Personality disorders, alcohol use, and alcohol misuse. *Social Science & Medicine*. 12: 286-330.

(17) Maclean, J.C. (2014) Does leaving school in an economic downturn impact access to employer-sponsored health insurance? *IZA Journal of Labor Policy*. 3(19): 2-27.

(16) Maclean, J.C., Webber, D. A., Marti, J. (2014) An application of unconditional quantile regression to cigarette taxes. *Journal of Policy Analysis and Management*. 33(1):188-210.

(15) Maclean, J.C., Xu, H., French, M.T., Ettner, S.E. (2014) Personality disorders and body weight. *Economics and Human Biology*. 12:153-171.

(14) Maclean, J.C., Cawley, J.H. (2014) The effect of rising obesity on the United States Public Health Service Commissioned Corps. *Economics and Human Biology*. 15:213-224.

(13) Maclean, J.C., Xu, H., French, M.T., Ettner, S.E. (2014) Mental health and high-cost health care utilization: New evidence from Axis II disorders. *Health Services Research*. 49(2):683-704.

(12) Popovici, I., French, M.T., Pacula, R., Maclean, J.C., Antonaccio, O. (2014) Cannabis use and antisocial behavior among youth. *Sociological Inquiry*. 84(1):131-162.

(11) Maclean, J.C. (2013) The health effects of leaving school in a bad economy. *Journal of Health Economics*. 32(5):951-964.

(10) Maclean, J.C., Xu, H., French, M.T., Ettner, S.E. (2013) Mental health and sexual behaviors: Evidence from Axis II Disorders. *The Journal of Mental Health Policy and Economics*. 16(4):187-208.

(9) Cawley, J.H., Maclean, J.C. (2013) The consequences of rising youth obesity for U.S. Military Academy Admissions. *Applied Economic Perspectives and Policy*. 35(1): 32-51.

(8) Cawley, J.H., Maclean, J.C. (2012) Unfit for service: The implications of rising obesity for U.S. military recruitment. *Health Economics*. 21(11): 1348-1366.  
-NBER Working Paper 16408.

(7) Ettner, S.E., Maclean, J.C., French, M.T. (2011) Does having a dysfunctional personality hurt your career? Axis II personality disorders and labor market outcomes. *Industrial Relations: A Journal of Economy and Society*. 50(1): 149-173.

(6) French, M.T., Maclean, J.C., Sindelar, J.L., Fang, H. (2011) The morning after: Alcohol misuse and employment problems. *Applied Economics*. 21:2705-2720.

(5) French, M.T., Norton, E.C., Fang, H., Maclean, J.C. (2010) Alcohol consumption and body weight. *Health Economics*. 19(7): 814-832.

(4) French, M.T., Popovici, I., Maclean, J.C. (2009) Do alcohol consumers exercise more? Findings from a national survey. *American Journal of Health Promotion*. 24(1):2-10.

(3) Balsa, A.I., French, M.T., Maclean, J.C., Norton, E.C. (2009) From pubs to scrubs: Alcohol misuse and health care use. *Health Services Research*. 44(5p.1): 1480-1503.

(2) French, M.T., Maclean, J.C., Ettner, S.L. (2008) Drinkers and bettors: Investigating the complementarity of alcohol consumption and problem gambling. *Drug and Alcohol Dependence*. 96(1-2):155-164.

(1) French, M.T., Maclean, J.C. (2006) Underage alcohol use, delinquency, and criminal activity. *Health Economics*. 15:1261-1281.

**Journal Articles Under Review:**

“The effect of insurance expansions on smoking cessation medication use: Evidence from recent Medicaid expansions.” (Joint with Steven Hill and Michael F. Pesko). *Revise and Re-submit*.

-NBER Working Paper 23450.

“Recessions and substance abuse treatment.” (Joint with Jonathan Cantor and Brady Horn). *Revise and Re-submit*.

-NBER Working Paper 19115.

“Insurance expansions and children’s use of substance use disorder treatment services” (Joint with Sarah Hamersma). *Revise and Re-submit*.

-NBER Working Paper 24499.

“Changes in prescriptions for breast cancer medications after Medicaid expansion” (Joint with Michael T. Halpern, Steven C. Hill, and Michael F. Pesko). *Revise and Re-Submit*.

“The impact of increased cost sharing on utilization of low value services.” (Joint with Jonathan Gruber, Eric Wilkinson, Bill Wright, and Kevin Volpp). *Submitted*.

-NBER Working Paper 22875.

“Government regulation and lifecycle wages: Evidence from continuing coverage mandates.” (Joint with Douglas Webber). *Submitted*.

-NBER Working Paper 23203.

“The effects of health insurance parity laws for substance use disorder treatment on traffic fatalities.” (Joint with Ioana Popovici and Michael T. French). *Submitted*.

-NBER Working Paper 23388.

“The effect of medical marijuana laws on Social Security Disability Insurance and Workers Compensation benefit claiming.” (Joint with Keshar Ghimire and Lauren Hersh Nicholas). *Submitted*.

-NBER Working Paper 23862.

“Public health insurance expansions and access to mental healthcare treatment” (Joint with Elson Oshman Blunt, Steven Marcus, and Ioana Popovici). *Submitted*.

“Messengers and cigarettes: Experimental evidence on information source.” (Joint with John Buckell and Joachim Marti). *Submitted*.

“Reimbursement rates for primary care services: Evidence of spillover effects to behavioral health” (Joint with Chandler McCellan, Michael Pesko, and Daniel Polsky). *Submitted*.

-NBER Working Paper 24805.

“The effect of substance use disorder treatment centers on property values” (Joint with Brady Horn and Aakrit

Joshi)

-NBER Working Paper 25427.

**Working Papers:**

“Losing public insurance and mental illness: Evidence from a large-scale Medicaid disenrollment” (Joint with Chandler McCellan, Sebastian Tello Trillo, and Douglas Webber).

“Mandated sick pay: Coverage, utilization, and substitution effects” (Joint with Stefan Pichler and Nicolas Ziebarth).

**Papers in Progress:**

“Minimum wages at labor market entrance and future outcomes” (Joint with Michael Strain)

“Access to mental healthcare providers and local crime.” (Joint with Monica Deza and Keisha Solomon)

“Income and crime: Evidence from the Alaska Permanent Fund.” (Joint with Monica Deza)

“The effect of tobacco surcharges in the individual marketplace on tobacco use, health insurance coverage, and smoking cessation services” (Joint with Michael Pesko and Steven Hill)

“The Effect of Medicaid health homes on individuals with behavioral health disorders.” (Joint with Chandler McClellan, Brendan Saloner Emma Beth McGinty, and Michael Pesko).

**Unpublished Manuscripts:**

“How does access to short term disability insurance impact SSDI claiming?” (Joint with David Autor, Mark Duggan, and Jonathan Gruber)

“Tobacco control programs revisited: Going inside the black box.” (Joint with Donald Kenkel and Hua Wang)

“Compulsory schooling and smoking behavior among the elderly.” (Joint with Donald Kenkel and Asia Sikora Kessler).

**Conference Presentations (Selected):**

**2018:** National Tax Association; Association for Public Policy and Management Fall Conference; Southern Health Economics Study Group; and American Society of Health Economists Conference.

**2017:** Southern Economic Association Conference (Presidential Session); Association for Public Policy Analysis and Management; and International Health Economics Association World Congress.

**2016:** Association for Public Policy Analysis and Management; American Health Economics Conference; and American Society of Health Economists Conference.

**2015:** Academy Health Annual Research Meeting; Association for Public Policy Analysis and Management; and International Health Economics Association World Congress.

**2014:** Addiction Health Services Research Conference; Association for Public Policy Analysis and Management; American Society of Health Economists Conference; Population Association of American Conference; and Society of Labor Economists Conference.

**2013:** Academy Health Annual Research Meeting; Addiction Health Services Research Conference; Association for Public Policy Analysis and Management; and International Health Economics Association World Congress.

**2012:** Association for Public Policy Analysis and Management; American Society of Health Economists Conference; and Society of Labor Economists Meetings.

**External Funding:**

National Institutes of Health, Co-Investigator, 06/2018 to 05/2022

- The impacts of vaping regulations on perceptions, access, prices, and tobacco use

Robert Wood Johnson Foundation, Co-Investigator, 10/2017 to 9/2019

- Studying the impact of state sick pay mandates on coverage rates, reduction in non-mandated fringe benefits, and spread of infectious diseases

American Cancer Society, Co-Investigator, 06/2016 to 05/2020

- Analysis of ACA Insurance Provisions: Smoking and Cancer Risk Implications

National Institutes of Health, Co-Investigator, 04/2016 to 03/2020

- Increasing accuracy and efficiency of fidelity measurement in CBT (Project FACTS)

National Institutes of Health/Food and Drug Administration, Co-Investigator, 10/2013 to 9/2018.

- Yale Tobacco Center of Regulatory Science.

National Institutes of Health/Food and Drug Administration, Consultant, 10/2013 to 9/2018.

- University of Pennsylvania Tobacco Center of Regulatory Science.

Robert Wood Johnson Foundation, Principal Investigator, 9/2014-2/2016.

- The impact of increased cost sharing on utilization of low-value services: The first evaluation of this approach nationally.

American Heart Association, Co-Investigator, 8/2013 to 2/2016.

- Evaluation of a Workplace Wellness Program.

**Invited Lectures:**

“The effect of public insurance expansions on substance use disorder treatment: Evidence from the Affordable Care Act.”

- Presented at Georgia State University in Atlanta, GA March 2018.

“Health insurance expansions and provider behavior: Evidence from substance use disorder treatment.”

- Presented at the Substance Abuse and Mental Health Service Administration in Rockville, MD March 2017.

“Health insurance expansions and provider behavior: Evidence from substance use disorder treatment.”

- Presented at West Virginia University in Morgantown, WV February 2017.

“Health insurance expansions and provider behavior: Evidence from substance use disorder treatment.”

- Presented at Lehigh University in Bethlehem, PA October 2016.

“The impact of medical marijuana access on the health and labor supply of older adults: Evidence from the Health and Retirement Study.”

- Presented at Cornell University in Ithaca, NY. May 2016.

“The impact of medical marijuana access on the health and labor supply of older adults: Evidence from the Health and Retirement Study.”

- Presented at McMaster University in Hamilton, ON, Canada. April 2016.

“Health insurance expansions and provider behavior: Evidence from substance use disorder treatment.”

- Presented (Grand Rounds) at Cornell Medical College in New York City, NY. March 2016.

“Access to health insurance and utilization of substance use treatment: Evidence from the Affordable Care Act dependent coverage provision.”

- Presented at the University of New Mexico in Albuquerque, NM. April 2015.

“Recessions and substance abuse treatment.”

- Presented at Indiana University-Purdue University in Indianapolis, IN. December 2014.

“Recessions and substance abuse treatment.”

- Presented at John’s Hopkins University in Baltimore, MD. February 2014.

“Recessions and substance abuse treatment.”

-Presented at Dalhousie University in Halifax, Canada. March 2013.

### **Courses Taught:**

Panel data econometrics (graduate), economics of health behaviors (short course, Swiss School of Public Health, graduate), health economics (graduate), and principles of microeconomics (undergraduate).

### **Professional Activities and Service:**

National Tax Association Conference Health Economics Committee Chair (2018); Association for Public Policy and Management Scientific Review Committee (2018); Association for Public Policy and Management Mentor (2018); International Health Economics Association Scientific Review Committee (2015; 2017); Host Committee for the 2016 American Society of Health Economists Biennial Conference (2016); American Society of Health Economists Scientific Review Committee (2015); and Ad Hoc Grant Reviewer National Institutes of Health (2013); and Referee for: *Health Services Research*; *European Journal of Health Economics*; *Industrial and Labor Relations Review*; *International Journal of Health Care Finance and Economics*; *Review of Economics of the Household*; *Journal of Mental Health Policy and Economics*; *Preventive Medicine*; *Economic Inquiry*; *Contemporary Economic Policy*; *Applied Economics*; *IZA Journal of Labor Economics*; *Management Science*; *American Journal of Health Economics*; *Demography*; *Social Science & Medicine*; *Drug and Alcohol Dependence*; *Journal of Policy Analysis and Management*; *Journal of General Internal Medicine*; *Journal of Health Economics*; *Journal of Human Resources*; *Southern Economic Journal*; *Industrial Relations: A Journal of Economy and Society*; *Journal of Population Economics*; *Health Affairs*; *Health Economics*; and *Economics and Human Biology*.

### **Graduate Student Advising:**

Jonathan Brown (2017; committee member: University of North Carolina at Asheville); Kabir Dasguta (2016; committee chair; Auckland University of Technology); Keshar Ghimire (2016; committee member; University of Cincinnati at Blue Ashe); James Kelly (2017; committee member; Temple University); Melissa Oney (2018; committee chair; University of Pennsylvania); Keisha Solomon (2019; committee chair; Johns Hopkins University); Patrick Kost (in progress; committee chair); Eric Wilkinson (in progress; committee chair); Thanh Lu (in progress, committee chair); Joseph Shinn (in progress, committee member); and Huilin Zhu (in progress, third year paper supervisor).

### **Departmental and University Service:**

Graduate Affairs Committee (2014; 2018-2019); Hiring Committee (2014-2019); Hiring Committee Chair (2018-2019); Seminar Committee (2014-2019); Econometrics Ph.D. Field Exam Writer (2016-2019); Promotion and Tenure Committee (2018-2019); Temple University College of Liberal Arts Research Council (2015-2019); Temple University College of Liberal Arts Strategic Planning Committee - Growth of Research, Scholarship and Creative Activity (2016).



**Professional Organizations:**

Leonard Davis Institute for Health Economics  
Health Economics Research Group  
American Economic Association  
American Society of Health Economists  
Association for Public Policy Analysis & Management  
International Health Economists Association

**Personal Information:**

Born: December 15, 1979  
Citizenship: Canadian (Permanent Resident of the United States)  
Gender: Female  
Marital Status: Married