

PATRICK WILLIAM KOVAL
PhD Student in Biostatistics, Boston University
Junior Biostatistician, VA Boston Healthcare System
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EDUCATION

- Ph.D. in Biostatistics (ongoing) Sep 2022–Present
Boston University
Boston, Massachusetts
- Dissertation: Novel Statistical Methods to Account for and Estimate Underreporting in Suicide
- M.S. in Biostatistics Sep 2022–Aug 2025
Boston University
Boston, Massachusetts
- 3.96 GPA
- Non-Degree Coursework in Chemistry and Psychology Aug 2020–Aug 2021
Lansing Community College
Lansing, Michigan
- 4.0 GPA
- B.A. in Mathematics and Economics Sep 2015–May 2019
College of the Holy Cross
Worcester, Massachusetts
- 3.83 GPA, *Magna Cum Laude*
 - Economics Departmental Honors Program
 - College Honors Program

RESEARCH EXPERIENCE

- Junior Biostatistician Sep 2022–Present
VA Boston Healthcare System
Boston, Massachusetts
- Analyze and report on veteran health information.
 - Query Veterans Health Administration databases using SQL.
 - Manage data using SAS, R, and Excel.
- AmeriCorps VISTA Member Mar 2020–Aug 2022
Opioid Prevention and Education Network
Michigan State University
East Lansing, Michigan
- Wrote training materials regarding statistics using LaTeX.
 - Conducted data analysis for community assessments.

- Edited websites using N2 and WordPress CMS.

Research Assistant

Summer 2019

Department of Economics and Accounting

College of the Holy Cross

Worcester, Massachusetts

- Constructed empirical model and dataset for Koval and Baumann (2019).
- Conducted research regarding neurological contributors and correlates of impulsivity, aggressivity and suicidality.
- Used Excel and Stata to clean and manage data.

Weiss Independent Research Fellow

Summer 2018

J.D. Power Center for Liberal Arts in the World

College of the Holy Cross

Worcester, Massachusetts

- Constructed empirical model and dataset for Koval (2018).
- Conducted research regarding neurological effects of lead exposure.
- Used Excel and Stata to clean and manage data.

Research Assistant

Summer 2017

Department of Economics and Accounting

College of the Holy Cross

Worcester, Massachusetts

- Conducted statutory and common law research for Johnson et al. (2020).
- Conducted research regarding corruption in construction contract assignment in preparation for sports mega-events for Matheson et al. (2018).
- Used Excel and Stata to clean and manage data.

RESEARCH AND PUBLICATIONS

Refereed Publications

Barnes-Najor, Jessica, Beedoskah Stonefish, Chelsea Wentworth, Danielle Gartner, Jessica S. Saucedo, Heather Howard-Bobiwash, Patrick Koval, Richard Burnett, Lisa Martin, Michelle Leask, Rosebud Schneider, Cheyenne Hopps, Charla Gordon, and Ann Cameron. "Stories and reflections on giki-nawaabi: Recentering Indigenous Knowledge in early childhood development through food-and land-based practices." *Early Childhood Research Quarterly* 69 (October 2024): S102–S117. doi.org/10.1016/j.ecresq.2023.12.014

Johnson, Matthew S., Daniel Schwab, and Patrick Koval. "Legal Protection against Retaliatory Firing Improves Workplace Safety." *The Review of Economics and Statistics* 106, no. 5 (September 2024): 1236–1253. doi.org/10.1162/rest_a_01225.

Dang, Rushil R., Patrick William Koval, Vivian Chau, Janice M. Weinberg, and Pushkar Mehra. "Lifestyle and career satisfaction among US-based oral and maxillofacial surgeons: Results of a nationwide survey." *Oral Surgery, Oral Medicine, Oral Pathology, and Oral Radiology* 136, no. 1 (July 2023): 15–22.

doi.org/10.1016/j.oooo.2022.11.005.

Working Papers

Koval, Patrick and Robert Baumann. "Psychological Extensions of the Economic Theory of Suicide: A Test of Two Proxies." (October 2021).

dx.doi.org/10.13140/RG.2.2.18274.66246.

Koval, Patrick and Robert Baumann. "The Impact of Impulsivity on Suicide and Homicide Rates." *College of the Holy Cross Department of Economics Faculty Research Series* no. 19-07 (July 2019).

dx.doi.org/10.13140/RG.2.2.10936.08964.

Koval, Patrick. "Toxic Effects of Lead Disposal in Water: An Analysis of TRI Facility Releases." *College of the Holy Cross Department of Economics Faculty Research Series* no. 18-09 (August 2018).

dx.doi.org/10.13140/RG.2.2.31774.38724.

Other Publications

Matheson, Victor A., Daniel Schwab, and Patrick Koval. "Corruption in the Bidding, Construction and Organisation of Mega-Events: An Analysis of the Olympics and World Cup." In *The Palgrave Handbook on the Economics of Manipulation in Sport*, 2nd.

Springer International Publishing, 2024.

doi.org/10.1007/978-3-319-77389-6.

Note: Also coauthored first edition of chapter (2018).

Koval, Patrick, Jessica Barnes-Najor, and Lisa Martin. [Review of the book *Towards a New Ethno-history: Community-Engaged Scholarship Among the People of the River* by Keith Thor Carlson, John Sutton Lutz, David M. Schaepe, and Naxaxalhts'i – Albert "Sonny" McHalsie]. *Journal of Higher Education Outreach and Engagement* 26, no. 2 (June 2022).

openjournals.libs.uga.edu/jheoe/article/view/2921.

CONTRIBUTED PRESENTATIONS

National

Koval, Patrick. "Limitations of Designs and Statistical Methods in Ecological Analyses of Suicide Risk Factors." American Association of Suicidology Annual Conference (May 20th, 2026).

doi.org/10.13140/RG.2.2.25208.20485.

Regional

Koval, Patrick, and Robert Baumann. "'Future flattening' in Suicidal Thought and Behavior: Reframing Impulsivity and the Integral Factor of Being Needed." Lifeways Community Mental Health Advancing Behavioral Health Summit (March 17th, 2021).

dx.doi.org/10.13140/RG.2.2.24845.05602.

SERVICE RELATED TO PROFESSIONAL WORK

Ad-Hoc Manuscript Review

- World Development

Conference Abstract Review

- American Association of Suicidology, 2026

Committee Service

Steering Committee Member
Center for Trauma and Mental Health
Boston University
Boston, Massachusetts

April 2024–Present

PROFESSIONAL AFFILIATIONS

Mathematical Association of America	2026–Present
International Academy of Suicide Research	2026–Present
Society for Epidemiologic Research	2025–Present
American Economic Association	2025–Present
American Association of Suicidology	2024–Present
Mu Sigma Rho (The National Statistics Honors Society)	2023–Present
American Statistical Association	2023–Present
Eastern North American Region (ENAR)	2023–Present
International Biometric Society	

OTHER SERVICE

Webmaster
Wiba Anung
Collaboration between Michigan State University
and the Inter-Tribal Council of Michigan
<https://www.wibaanung.org/>

June 2022–Present