

# Matthew Pesavento

## Curriculum Vitae

✉ [matthew.pesavento@flatiron.com](mailto:matthew.pesavento@flatiron.com)  
🌐 [matthewpesavento.com](http://matthewpesavento.com)

### Education

<b>The Ohio State University</b>	2024
Ph.D., Public Policy Analysis   Graduate Minor in Economics	
<i>Dissertation:</i> “Three essays on the economic consequences of chronic illness”	
<i>Specialties:</i> Health economics, financial toxicity, social determinants of health, causal inference	
<b>Miami University</b>	2019
M.A., Economics	
<b>University of Michigan</b>	2016
B.S., Economics	

### Experience

<b>Flatiron Health</b>	Durham, North Carolina
Research Scientist, Statistical Programming	2025–present

- *Analysis:* Lead statistical programmer across 5–8 concurrent studies (25+ total), translating analytic specifications from SAPs and protocols into R to produce analytic datasets, descriptive and inferential statistics, and data visualizations — often involving novel variables, complex statistical methods, and non-standard RWE implementation. Engage early in the study lifecycle to review protocols, table shells, and timelines, ensuring implementation clarity before programming begins; serve as validation programmer on double-coding projects.
- *Management:* Manage a team of three statistical programmers (two India-based, one US-based); serve as hiring manager for the permanent US-based position. Oversee workflow allocation and code review, serve as point of contact for methodological and implementation questions, and coordinate capacity with external managers for non-direct reports. Support professional development across the team.
- *Expertise & collaboration:* Subject matter expert (SME) on the Flatiron Health Research Database (FHRD) for Bladder Panoramic and SEER data; secondary SME for Breast and NSCLC Panoramic datasets. Consult cross-functionally on data model nuances and appropriate use of Flatiron data modalities, including EHR-derived RWD, clinico-genomics, ML-extracted, and claims data. Collaborate daily with internal clinicians, epidemiologists, biostatisticians, and medical directors; engage directly with external pharma and biotech clients as technical point of contact for study implementation and data questions. Apply working knowledge of oncology treatment paradigms, tumor biology, and cancer epidemiology across multiple tumor types.
- *AI & tooling:* Lead initiative to embed statistical programming guidance into table shells via an AI agent, personally contributing documentation from across Research Sciences. Implement AI-assisted workflows for table shell generation, code review, and output quality control. Currently participating in a pilot study to automate direct generation of analysis code from protocols and ASDs using LLMs. Contribute to a team coding library reflecting table shell standardization, reducing redundant logic and improving consistency of study delivery.
- *Service & recognition:* Co-Lead, Parent Employee Resource Group (ERG); manage \$10,000 budget and lead planning for Take Your Kid to Work Day (60+ employees); participate in leadership

development programming including training in change management and organizational leadership. Team received 1st place in the Flatiron@Scale category of the 2025 company-wide hackathon for *Real-World Utilization of ctDNA and Its Impact on Bladder Cancer Management*.

**Collaborative for Financial Equity and Inclusion, The Ohio State University** Columbus, Ohio

Post Doctoral Researcher & Adjunct Lecturer

2024–2025

- Lead analyst on large interdisciplinary team of PhDs, MDs, and Biostatisticians across 10+ projects focused on health economics. One project featured in [USA Today](#) and named [Top Retirement Research Paper of 2023](#).
- Utilize latest econometric and statistical techniques to analyze EHR from multiple hospital systems and Cancer Registry data, including difference-in-differences, regression discontinuity, instrumental variables, and synthetic controls.
- Led management of the team's 17 TB of data on the Ohio Supercomputer, including secure data transfer via SFTP to/from hospital systems and state agencies using STATA, R, SQL, and Linux.
- Taught a 4000-level Decision Making course as instructor of record to approximately 20 juniors and seniors.

**John Glenn College of Public Affairs, The Ohio State University**

Columbus, Ohio

Doctoral Student Researcher

2019–2024

- Lead research assistant to multiple faculty members across departments of Public Policy, Economics, and Sociology.
- Trained and mentored approximately fifteen analysts in data management, efficient coding, and data visualization, including writing a technical assessment for employment in the lab.
- Individually obtained [\\$15,000 in grant funding](#) from the National Bureau of Economic Research, completed dissertation, published numerous academic articles, and presented at national conferences.
- Received University Fellowship in Year 1. Nominated by department for Presidential Fellowship in Year 5.

**Cardinal Health, Inc.**

Dublin, Ohio

Advanced Analytics Rotational Program

2016–2018

- *Sales Analytics*: Lead analyst on territory rebalancing project using volume, sales performance, and geospatial data — awarded Best Advanced Analytics Project in 2017 company-wide. Also provided nearest neighbor benchmarking for multiple Health Networks using CMS data.
- *Strategic Pricing*: Data analyst for specialty drugs and biosimilars pricing at one of the three largest pharmaceutical distributors in the USA (\$200B+ annual revenue); implemented SAS automation for pricing decisions.

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## Research

### Published

- **Pesavento, M.T.** (2022). The impact of direct to consumer shipping laws on the number and size distribution of U.S. wineries. *Journal of Wine Economics*, 1-26. doi:10.1017/jwe.2022.49

- Dormady, N., Roa-Henriquez, A., Hoyt, M., **Pesavento, M.**, Koenig, G., Welch, W., & Li, Z (2025). How are retail prices formed in restructured electricity markets?. *Energy Economics*, 143. doi:10.1016/j.eneco.2025.108243
- **Pesavento, M.**, Loibl, C., Moulton, S., et al. (2025). Type 2 diabetes and financial outcomes. *JAMA Network Open*, 8(7), e2523453. doi:10.1001/jamanetworkopen.2025.23453

### Conference Abstracts

- Patel, K., Zhao, D., Fidyk, E., Hankinson, E.A., Mehta, A.M., **Pesavento, M.**, and Sujenthiran, A. (2026). Prognostic value of post-operative circulating tumor DNA (ctDNA) in real-world treatment and outcomes among patients with muscle invasive and locally advanced bladder cancer. *Journal of Clinical Oncology*, 44(16\_suppl), 4600. doi:10.1200/JCO.2026.44.16\_suppl.4600

### Reports & White Papers

- Ryals, C., Mbah, O., **Pesavento, M.**, Castellanos, E., Ho, G., and Madison, A. (2026). COA Quality of Care Study: Phase 1 report on overall survival. Flatiron Health & Community Oncology Alliance.

### Working Papers

- Divers, S.F., Gordan, L., Mbah, O.M., Castellanos, E., Ferreyros, N., Ho, G., **Pesavento, M.**, and Ryals, C.A. Quality of care in US community oncology practices among patients with metastatic breast cancer (mBC) and metastatic non-small cell lung cancer (mNSCLC).
- Bruno, D., Sheffield, K., Brnabic, A., Ma, Q., Singh, R., Thoele, K., Puri, T., Flores Avile, C., Schwed, K., Bye, M., Mehta, A.M., and **Pesavento, M.** Real-world outcomes with chemoradiation and durvalumab consolidation in stage III KRAS G12C-mutant NSCLC in the US.
- Moulton, S., Brown, M., Haurin, D., Loibl, C., and **Pesavento, M.** Economic security of older adults after the death of a partner: evidence from credit data. Featured in [USA Today](#); named [Top Retirement Research Paper of 2023](#).
- Loibl, C., Drost, M., Campbell, Z., Moulton, S., Haurin, D., **Pesavento, M.**, Hyer, M., Einstadter, D., Perzynski, A.T., and Joseph, J.J. Credit scores, credit risk profiles, and glycemic control among patients with type 2 diabetes.
- **Pesavento, M.** The effects of type II diabetes on financial distress and labor supply: evidence from administrative data.
- **Pesavento, M.** The effects of household cancer diagnosis on investment in higher education. *Funded by NBER and Sloan Foundation*.
- **Pesavento, M.** The impact of household cancer diagnosis on the labor supply of young adults. *Funded by NBER and Sloan Foundation*.
- Chanda, T., Collins, M., Moulton, S., **Pesavento, M.**, and Rhodes, A. Mind the gap: state reductions in unemployment insurance and credit use among vulnerable households.
- **Pesavento, M.**, Dormady, N., and Greenbaum, R. Moderating the effects of advising characteristics: evidence from a controlled experiment.

### In Preparation

- **Pesavento, M.**, Maltz, R., and Moulton, S. The impact of chronic health shocks in children on household labor supply and financial distress.

- Moulton, S., Padamsee, T., Loibl, C., Brown, M., Haurin, D., and **Pesavento, M.** Credit disparities in widowhood by race and gender.

## Invited Presentations

<b>Case Western Reserve and MetroHealth System Grand Rounds</b>	April 2025
<i>The association of financial resources and diabetes control: Evidence from administrative data</i>	
<b>Association of Public Policy and Management</b>	November 2024
<i>The effects of parental cancer diagnosis on the higher educational outcomes of young adults</i>	
<b>SSA Retirement and Disability Research Consortium</b>	August 2024
<i>Racial disparities in older adults' economic security when experiencing chronic health conditions: insights from electronic health records, wage earnings, and credit data</i>	
<b>Ohio State University Applied Microeconomics Lunch</b>	April 2024
<i>The effects of household cancer diagnosis on investment in higher education</i>	
<b>BGSU &amp; OSU Graduate Conference</b>	October 2021
<i>Corked wine: the impact of direct to consumer shipping laws on the size distribution of wineries</i>	
<b>Association of Public Policy and Management</b>	November 2019
<i>Explaining resilience actions under repeated disasters: evidence from a controlled experiment</i>	

## Awards and Grants

<b>Flatiron Health</b>	2025
Hackathon 36, 1st Place — Flatiron@Scale Category	
<i>Real-World Utilization of ctDNA and Its Impact on Bladder Cancer Management</i>	
<b>National Bureau of Economic Research</b>	2023
Household Finance Small Grant [\$15,000]	
<b>The Ohio State University Graduate School</b>	2019
University Fellowship	
<b>Cardinal Health</b>	2016
Best Advanced Analytics Project, Company-Wide	
<i>Sales Territory Optimization</i>	

## Teaching

<b>Instructor of Record</b>	AU 2024
PUBAFRS 4010: Decision Making	

## Service

<b>Flatiron Health</b>	2025–2026
Parent Employee Resource Group, Co-Lead	

## The Ohio State University

Doctoral Student Representative to College Faculty and Staff Meetings  
PhD Conference on Real Estate and Housing, Student Co-Chair

2023–2024  
2019–2022

## Technical Skills

### Programming Languages

Expert: R, STATA

Proficient: Python, Tableau, SAS, Alteryx

Familiar: Matlab, ArcGIS,  $\LaTeX$

### Statistical & Econometric Methods

*Causal inference:* Difference-in-differences (+ event study), regression discontinuity, instrumental variables, synthetic controls, methods in propensity matching

*Survival & epidemiological:* Cox proportional hazards (+ weighted Cox), Kaplan-Meier, competing risks, propensity score methods (matching, IPTW)

*General:* Linear and logistic regression, two-part models, panel data methods, data visualization

### Real-World Data & Datasets

EHR-derived real-world data (Flatiron OncoEMR, Epic), clinico-genomics data, ML-extracted data, claims data, Experian consumer credit data, Ohio Cancer Registry (OCISS), UI Claims and Wages (Ohio DJFS), Higher Education Information System (Ohio DoHE)

### Computing & Data Infrastructure

Ohio Supercomputer Center, secure data transfer (SFTP), Linux, SQL, 17 TB data pipeline management

### AI & Automation

Routine integration of large language models (LLMs) for code generation, code review, and debugging in R through Positron and proprietary Credal Agents; development of AI agents to automate manual analytical workflows and improve team productivity

## Professional Affiliations

American Economic Association (AEA)

Association for Public Policy Analysis and Management (APPAM)

Catholic Research Economists Discussion Organization (CREDO)

American Association of Wine Economists (AAWE)

## References

### Stephanie Moulton

Professor of Public Policy  
Associate Dean for Faculty and Research  
The Ohio State University  
moulton.23@osu.edu

### Meta Brown

Associate Professor of Economics  
The Ohio State University  
brown.991@osu.edu

### Kurt Lavetti

Associate Professor of Economics  
The Ohio State University  
lavetti.1@osu.edu

### Caezilia Loibl

Professor of Education and Human Ecology  
Chair of Human Sciences  
The Ohio State University  
loibl.3@osu.edu

## ———— Extra Curricular

Married with four children, amateur Ironman triathlete, USSF referee (inactive), wine enthusiast