

# Tim Murray

Curriculum Vitae

Last updated: September 27, 2024

U.S. Army Research Institute of Environmental Medicine  
Data and Decision Sciences Program  
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## Professional Experience

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<b>Research Economist and Director</b> Data and Decision Sciences Program U.S. Army Research Institute of Environmental Medicine (USARIEM)	February 2024 – Present
<b>Adjunct Professor</b> Department of Economics Bentley University	September 2024 – Present
<b>Assistant Professor of Economics</b> Department of Economics and Business Virginia Military Institute	August 2019 – January 2024
<b>Instructor of Record</b> Department of Agricultural and Resource Economics University of Connecticut	August 2015 – May 2019

## Education

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Ph.D. – Agricultural and Resource Economics <i>University of Connecticut, Storrs, CT</i>	2019
M.A. – Economics <i>Old Dominion University, Norfolk, VA</i>	2013
M.S. – Business Administration (MBA) <i>Old Dominion University, Norfolk, VA</i>	2013
B.A. – Economics (Minor: Applied Mathematics) <i>Old Dominion University, Norfolk, VA</i>	2010

## Research Interests

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Fields: Health Economics, Labor Economics, Urban Economics, Public Economics, Applied Microeconomics  
Topics: Health Policy, Health Outcomes, Warfighter Performance, Real Estate, Retirement Spending and Savings, Public Policy

## Peer-Reviewed Publications

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1. Goodwin, KC, Giersch GEW, **Murray, TA**, DeGroot, DW, and Charkoudian, N. 2024. [Sex Differences in Biomarkers of End-Organ Damage following Exertional Heat Stroke in Humans](#). *Journal of Applied Physiology*.

2. **Murray, T** and Dunn, RA. 2022. "Household Production, Home Improvement, and Housing Investment among Older Americans." *Journal of Housing Economics*, 56.
3. Cobb, BR, **Murray, T**, and Smith, JS. 2022. "Adjustable Consumption Model for Retirees to Balance Spending and Risk." *Journal of Economics and Finance*, 46: 420–451.
4. **Murray, T**. 2021. "Stay-at-Home Orders, Mobility Patterns, and Spread of COVID-19." *American Journal of Public Health*. 11(6): 1149–1156.
5. Ang, JP and **Murray, T**. 2021. "Education in Mathematics and the Spread of COVID-19." *Eastern Economic Journal*. 47: 571–589.

### Working Papers

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1. **Murray, TA** and Dunn, RA. "Housing Equity Extraction from Older Adults via Reduction in Home Improvement"
2. **Murray, TA**. "Pensions and Homeownership After the Great Recession"
3. **Murray, TA**. "Do Potential Future Health Shocks keep Older Americans from using Their Housing Equity?"

### Other Publications

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1. **Murray, T** and Sen, T. 2023. "Report on Admissions, Enrollment, and Retention at VMI" for the VMI Superintendent.

### Research in Progress

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1. The Non-Pecuniary Benefits of Homeownership (with Fei Zou)
2. Land Value, Social Capital, and Homeownership for Retirees
3. Confederate Iconography and Property Values (with Steven Landgraf and Sam Allen)
4. Economic Impact of a Professional Sports Franchise on a Local Economy (with Chance Newman\*)
5. Performance Testing Characteristics Associated with Success in Division I College Football Players (with Vy Nguyen\*, Jack Johnson, and Daniel A. Baur)
6. Admissions and Enrollment at Military Colleges (with Tinni Sen)
7. The Impact of H2F on Acute and Chronic Bone Injury (with Julie Hughes, Kate Aaron, and Patrick Cummings)
8. Enhanced Non-Pharmacological Countermeasure to Mitigate Organ Injury in Warfighters During Physical Work in Extreme Heat (with Christopher L. Chapman, Gabrielle E.W. Giersch, Benjamin J. Ryan, Brandon M. Roberts, and Nisha Charkoudian)

\* Student co-author

### Books in Progress

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1. Quantitative Tools for Economics and Business (textbook)

## Media Coverage

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1. [Survey: Do Millennials Have Fewer Financial Opportunities Than Prior Generations?](#) September, 14 2021. *Money Crashers*.
2. [Downsizing, Housing, and Debt](#). January 17, 2020. *With Good Reason* on *National Public Radio* (NPR).

## Teaching

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### Bentley University

- Business Statistics  
*Fall 2024*

### Virginia Military Institute

- Principles of Microeconomics  
*Fall 2019, Spring 2020, Fall 2020, Spring 2021*
- Labor Economics  
*Spring 2020, Spring 2021, Spring 2022, Spring 2023*
- Quantitative Tools for Economics and Business (Business Calculus and Statistics)  
*Summer 2020, Summer 2021, Fall 2021, Summer 2022, Fall 2022, Summer 2023, Fall 2023*
- Housing Economics and Public Policy  
*Spring 2022, Spring 2023*
- Business Finance  
*Summer 2021, Summer 2022*

### University of Connecticut

- Business Finance  
*Fall 2015, Spring 2016, Fall 2017, Fall 2018*
- Business Management  
*Spring 2017, Spring 2018, Spring 2019*
- Principles of Microeconomics (TA)  
*Fall 2013, Spring 2014, Spring 2015*
- Principles of Macroeconomics (TA)  
*Fall 2014*

## Conferences and Presentations

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- 2023 Southern Economic Association Annual Conference  
– Presented “Pensions and Homeownership after the Great Recession”  
– Discussant for “Long-Run Determinants and Idiosyncratic Factors of Social Security Disability Insurance Benefit Rates”

Virginia Military Institute Board of Visitors  
– Presented “Admissions and Enrollment at Virginia Military Institute”

- 2022 Association for Public Policy Analysis and Management Annual Conference  
– Presented “Pensions and Homeownership after the Great Recession”

Virginia Military Institute Brown Bag Seminar  
– Presented “Inflation and the State of the US Economy”

- 2021 American Economic Association Annual Conference  
 – Presented “Do Potential Future Health Shocks Prevent Older Homeowners from Using Their Housing Equity?”
- United States Naval Academy Economics Seminar  
 – Presented “Pensions and Homeownership after the Great Recession”
- 2020 Association for Public Policy Analysis and Management Annual Conference  
 – Presented “Do Potential Future Health Shocks Prevent Older Homeowners from Using Their Housing Equity?”
- 2019 Association for Public Policy Analysis and Management Annual Conference  
 – Presented “Pensions and Homeownership after the Great Recession”
- Washington and Lee University Economics Seminar  
 – Presented “Pensions and Homeownership after the Great Recession”
- 2018 University of Connecticut Agricultural and Resource Economics Seminar  
 – Presented “Do Potential Future Health Shocks Prevent Older Homeowners from Using Their Housing Equity?”
- University of Connecticut Graduate Research Forum  
 – Presented “Do Potential Future Health Shocks Prevent Older Homeowners from Using Their Housing Equity?”

### Teaching Awards

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- 2023 – Nominee, Thomas Jefferson Teaching Award, *Virginia Military Institute*  
 2023 – Student-Athlete Faculty Recognition Award, *Virginia Military Institute*  
 2019 – Finalist, Outstanding Graduate Student Teaching Award, *University of Connecticut*  
 2018 – CAHNR Excellence in Graduate Student Teaching Award, *University of Connecticut*  
 2016 – Letter of Recognition for Excellence of Teaching from Provost, *University of Connecticut*  
 2015 – Letter of Recognition for Excellence of Teaching from Provost, *University of Connecticut*

### Research Awards and Grants

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- 2023 – Grant-in-Aid of Research (\$10,000), *Virginia Military Institute*  
 2019 – Doctoral Dissertation Fellowship, *University of Connecticut*

### Other Awards and Honors

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- 2023 – Certificate of Excellence and Superintendent’s Medal, *Virginia Military Institute*  
 2022 – Jackson-Hope Grant for Faculty Travel, *Virginia Military Institute*  
 2020 – Jackson-Hope Grant for Faculty Travel, *Virginia Military Institute*  
 2018 – Bishop-Carder Scholarship, *University of Connecticut*  
 2017 – Bishop-Carder Scholarship, *University of Connecticut*  
 2016 – Bishop-Carder Scholarship, *University of Connecticut*  
 2015 – Bishop-Carder Scholarship, *University of Connecticut*  
 2013 – Economics Pre-Doctoral Fellowship, *University of Connecticut*

## Undergraduate Research Supervision

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Collin Ironside	2023	Politicians and Insider Trading
Noland Griffin	2023	Modern Public Housing Policy
Warner Collier	2023	Social Media Mentions and Stock Price Changes
Vy Nguyen	2023	Strength and Conditioning and NFL Success
Harris Burton	2022	Jurisdiction and Crime in Indian Country
Robert Hoeft	2021	Impact of Housing Policy on Economic Outcomes by Race in Norfolk, VA
Chance Newman	2020	Economic Impact of a Professional Sports Franchise on a Local Economy

## Service

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### Virginia Military Institute

#### *Department Level*

VMI/Washington & Lee Economics Seminar Coordinator	2021 – 2023
Ad Hoc Adjunct Instructor Search Committee, Member	2021 – 2023
Economics Curriculum Committee, Member	2020 – 2023
WELD Committee for Undergraduate Research, Member	2019 – 2023
Committee on Minors and Concentrations, Member	2019 – 2023
Hiring Committee for Tenure-Track Assistant Professor, Member	2022 – 2023
AACSB Subcommittee on Faculty Qualifications, Member	2021 – 2022
Hiring Committee for Tenure-Track Assistant Professor, Member	2019 – 2020

#### *Institute Level*

Cadet Investment Group, Faculty Advisor	2019 – 2023
Committee on Academic Advising, Member	2023 – 2023
Arts, Humanities, and Social Sciences Advisory Committee, Member	2023 – 2023
New Faculty Orientation Committee, Member	2021 – 2023
Institute Honors Committee, Member	2020 – 2023
Brown Bag Seminar Coordinator	2021 – 2023
Officer in Charge for Rat Challenge	2021 – 2022
Creative and Critical Thinking Subcommittee Capstone Rater	2020 – 2022

### Referee Service

British Medical Journal (BMJ) Open, Eastern Economic Journal, International Journal of Intercultural Relations

## Software and Programming Languages

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**Advanced:** Stata, EViews, Microsoft Excel,  $\LaTeX$

**Proficient:** MATLAB, R

## Affiliations

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American Economic Association  
American Society of Health Economists  
Association for Public Policy Analysis and Management  
American Real Estate and Urban Economics Association

## **Certifications**

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Bloomberg Terminal Certification

Protecting Human Research Participants (PHRP) Training

CITI Social Behavioral Research Investigators and Study Coordinators