

# Tyler Malone

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## EDUCATION

- Ph.D. **Health Policy and Management (Economics Minor)** **Expected May 2022**  
University of North Carolina – Chapel Hill, NC  
*Advisor: Dr. Marisa Domino*
- M.S. **Biostatistics** **April 2017**  
University of Michigan – Ann Arbor, MI  
Cumulative GPA – 3.92 / 4.0
- B.S. **Biological Sciences (Mathematics Double Major)** **May 2015**  
Illinois State University – Normal, IL  
Cumulative GPA – 4.0 / 4.0, *summa cum laude*  
Honors Program

## RESEARCH EXPERIENCE

- Graduate Research Assistant** **2018 – Present**  
*Cecil G. Sheps Center for Health Services Research*
  - Analyze patterns of inpatient care-seeking by rural residents.
  - Examine predictors of rural hospital inpatient volume.
  - Explore rural-urban variation in CMS Hierarchical Condition Categories risk scores.
- Graduate Research Assistant** **2018 – 2019**  
*Department of Health Policy and Management, University of North Carolina*
  - Tested effect of enhanced primary care on care utilization for individuals with SMI.
- Research Associate II** **2016 – 2019**  
*Department of Health Management and Policy, University of Michigan*
  - Studied association between psychological distress and athletic performance.
  - Assessed effectiveness of interventions to promote stress coping skills.
- Research Associate II / Graduate Research Assistant** **2015 – 2017**  
*Department of Biostatistics, University of Michigan*
  - Identified predictors of suicidal ideation in medical interns.
- Senior Thesis, Genomics Lab** **2013 – 2015**  
*School of Biological Sciences, Illinois State University*
  - Researched unpaired DNA detection mechanisms in *Neurospora crassa*.
  - Indexed protein transcripts of interest in large RNA datasets.
- Undergraduate Researcher, Community Ecology Lab** **2011 – 2013**  
*School of Biological Sciences, Illinois State University*
  - Investigated relationship between host density and intensity of parasitism.

**PUBLICATIONS****Peer-Reviewed Journal Articles**

Malone, Tyler L., Adam Kern, Emily Klueh, and Daniel Eisenberg. "Comparison of Brief Videos and Articles to Promote Coping Skills among Student-Athletes." *Journal of Clinical Sport Psychology*. 1, no. aop (2020): 1-17.

Samarajeewa, Dilini A., Pegan A. Sauls, Kevin J. Sharp, Zachary J. Smith, Hua Xiao, Katie M. Groskreutz, Tyler L. Malone et al. "Efficient detection of unpaired DNA requires a member of the Rad54-like family of homologous recombination proteins." *Genetics* 198, no. 3 (2014): 895-904.

**Findings Briefs**

Malone, Tyler L., Denise Kirk, Randy Randolph, George Pink, and Mark Holmes. "Changes in Care-Seeking after Rural Hospitals Merge." North Carolina Rural Health Research Program (2020).

Malone, Tyler L., Mark Holmes. "Patterns of Hospital Bypass and Inpatient Care-Seeking by Rural Residents." North Carolina Rural Health Research Program (2020).

**Papers in Progress**

Malone, Tyler L., Adam Kern, Emily Klueh, and Daniel Eisenberg. "A Pilot Study of Psychological Distress and its Association with Subjective Athletic Performance." *Under review*.

Malone, Tyler L., George Pink, and Mark Holmes. "Decline in Inpatient Volume at Rural Hospitals." *Under review*.

Malone, Tyler L., Zhou Zhao, Tzu-Ying Liu, Peter X. K. Song, Srijan Sen, and Laura Scott. "Prediction of Suicidal Ideation Risk in a Prospective Cohort Study of Medical Interns." *Under review*.

Grove, Lexie R., Alex Gertner, Karen E. Swietek, Ching-Ching Claire Lin, Neepa Ray, Tyler L. Malone, David L. Rosen et al. "Effect of enhanced primary care for people with serious mental illness on service use and screening." *Under review*.

Malone, Tyler L., Denise Kirk, Randy Randolph, and Kristin Reiter. "CMS Hierarchical Condition Category (HCC) 2014 Risk Scores Are Lower for Rural Medicare Beneficiaries than for Urban Beneficiaries." *In preparation*.

Malone, Tyler L., Denise Kirk, Randy Randolph, and Kristin Reiter. "Association of CMS-HCC Risk Scores with Health Care Utilization among Rural and Urban Medicare Beneficiaries." *In preparation*.

Malone, Tyler L., Denise Kirk, and Kristin Reiter. "The Effect of Medicare Payment Standardization on the Perceived Cost of Post-Acute Swing Bed Care in Critical Access Hospitals." *In preparation*.

**PRESENTATIONS**

Malone, Tyler L. "Attack of the Parasites! An Ecological Study on the tree-hole mosquito, *Aedes triseriatus*, and its protozoan parasite, *Ascogregarina barretti*," Illinois State University Honors Program Research Scholarship Presentations (2012). Normal, IL.

**POSTERS**

Malone, Tyler L., Pegan Sauls, and Tom Hammond. "Match Game: Investigation of the Mechanisms of Unpaired DNA Detection in *Neurospora crassa*." Illinois State University Research Symposium (2015). Normal, IL.

Malone, Tyler L., Victoria Borowicz, and Steven Juliano. "Attack of the Galls! Effects of Host Plant Density on Herbivore Load." International Symposium on Biomathematics and Ecology Education and Research (2012). St. Louis, MO.

**HONORS AND AWARDS**

<b>Future Faculty Fellow</b> <i>Center for Faculty Excellence, University of North Carolina</i>	<b>2018</b>
<b>Outstanding Senior in Mathematics</b> <i>Department of Mathematics, Illinois State University</i>	<b>2015</b>
<b>Biological Sciences Student of the Year</b> <i>School of Biological Sciences, Illinois State University</i>	<b>2015</b>
<b>Honors Program Scholar with Distinction</b> <i>Illinois State University</i>	<b>2015</b>
<b>Robert G. Bone Scholar</b> <i>Illinois State University</i>	<b>2014</b>
<b>Honors Program Summer Research Scholarship</b> <i>Illinois State University</i>	<b>2012</b>
<b>Presidential Scholar</b> <i>Illinois State University</i>	<b>2010</b>

**PROFESSIONAL MEMBERSHIPS**

- Institute of Mathematical Statistics

**TEACHING EXPERIENCE**

<b>Statistics and Programming Consultant</b> <i>Howard W. Odum Institute for Research in Social Science</i> • Provided consulting services to UNC graduate and undergraduate researchers.	<b>Summer 2019</b>
<b>Guest Lecturer, Statistical Methods for Health Policy and Management</b> <i>Department of Health Policy and Management, University of North Carolina</i> • Planned and taught a lecture on categorical data analysis for 70 graduate students.	<b>Fall 2018</b>

**TEACHING EXPERIENCE CONTINUED**

**Graduate Teaching Assistant, Public Health Concepts and Systems Thinking** **Summer 2018**  
*Department of Health Policy and Management, University of North Carolina*

- Planned and taught a lecture on public health genomics for 35 graduate students.
- Created weekly quizzes to assess student comprehension of course material.
- Graded student-designed community health improvement plans.

**Graduate Teaching Assistant, Introduction to the U.S. Health System** **Spring 2018**  
*Department of Health Policy and Management, University of North Carolina*

- Graded student essays on current health system topics.

**Graduate Teaching Assistant, Statistical Methods for Health Policy and Management** **Fall 2017**  
*Department of Health Policy and Management, University of North Carolina*

- Planned and taught a lecture on linear regression for 40 graduate students.
- Hosted weekly office hours to answer student questions and facilitate learning.

**Undergraduate Teaching Assistant, Fundamental Concepts in Biology** **Fall 2013**  
*School of Biological Sciences, Illinois State University*

- Assisted with organization and teaching of undergraduate lab sections.

**TEACHING GRANTS**

**Clear as Glass: Using Innovative Lightboard Technology for Online Instruction** **2018 – 2019**  
*Center for Faculty Excellence / Lenovo Instructional Innovation Grants Program*

- Role: Implementation, research, and outreach specialist; grant proposal co-author
- Amount: \$17,995

**SERVICE**

**Senior Honor Thesis Co-Advisor** **Present**  
*University of North Carolina, Department of Health Policy and Management*

**Cohort Representative, Ph.D. Program Advisory Committee** **2017 – Present**  
*University of North Carolina, Department of Health Policy and Management*

**Ad Hoc Reviewer** **2020**  
*Health Services Research*

**Master's Thesis Reader** **2019 – 2020**  
*University of North Carolina, Department of Health Policy and Management*

**Undergraduate Representative, Curriculum Committee** **2013 – 2014**  
*Illinois State University, School of Biological Sciences*

**PROGRAMMING LANGUAGE / ANALYSIS SOFTWARE PROFICIENCY**

- Stata
- R
- SAS
- Microsoft Excel