

PHOEBE TRAN

PROFESSIONAL EXPERIENCE

University of Tennessee, Knoxville, TN *August 2022-*
Department of Public Health
Assistant Professor

EDUCATION

Yale University, New Haven, CT *May 2022*
Ph.D., Chronic Disease Epidemiology
Concentrations: Cardiovascular Disease Prevention and Outcomes,
Rural/Urban Health Disparities, Large Datasets

Yale University, New Haven, CT *June 2019*
Master of Science, Chronic Disease Epidemiology

Harvard School of Public Health, Boston, MA. *May 2016*
Master of Science, Epidemiology

Emory University, Atlanta, GA *December 2013*
Bachelor of Arts, Biology
Minor, Mathematics

RESEARCH SUPPORT

F31 AG067720-01 (Tran, PI) *September 2020 – May 2022*
National Institutes of Health – National Institute on Aging
Influence of air pollution on 2014-2015 national-, regional-, and state-level ischemic stroke hospitalization and 30-day all-cause hospital readmission in older United States adults
Purpose: Determine US national, regional, and state level associations between short and long-term air pollution exposure and ischemic stroke hospitalization and 30-day all-cause hospital readmission

RESEARCH EXPERIENCE

Yale University, Department of Chronic Disease Epidemiology **New Haven, CT**
Dissertation Research *2019 – April 2022*
Dissertation: “Influence of air pollution on 2014-2015 national-, regional-, and state-level ischemic stroke hospitalization and 30-day all-cause hospital readmission in older United States adults”

- Gained grant writing experience by securing a F31 dissertation grant
- Gained skills working with large administrative health datasets
- Conducted geospatial analyses to assemble a national US air pollution dataset from multiple satellite and air monitor data sources
- Applied advanced modeling techniques to analyze data

Yale University, Department of Chronic Disease Epidemiology **New Haven, CT**
Research Assistant *2016 – May 2022*

- Collaborated with Dr. Judith Lichtman’s research team on topics related to cardiovascular disease prevention/outcomes

- Conducted extensive background research and literature reviews for grants and manuscripts
- Contributed as co-author for multiple manuscripts and presentations for scientific meetings at international and US conferences

Harvard School of Public Health, Department of Epidemiology

Boston, MA

Research Assistant

2014 – 2016

- Proposed an independent research project using national survey data to examine myocardial infarction symptoms awareness
- Worked with Dr. Murray Mittleman to develop symptoms awareness project findings into a manuscript accepted for publication in a peer-reviewed journal

Emory School of Public Health, Department of Epidemiology

Atlanta, GA

Data Project Manager

Spring 2014

- Streamlined child and maternal health data for Dr. Michael Kramer into a SQL database and compiled an accompanying updated database reference manual

Independent Research

2013 – Present

- Originated research projects with investigators and physicians at Yale, Emory, the University of Tennessee, the University of Michigan, and the University of Kentucky
- Worked closely with collaborators to prepare manuscripts, resulting in 17 first author peer-reviewed publications focusing on chronic disease prevention and rural/urban health disparities
- Presented project findings to researchers and clinicians at international and US conferences

Emory University, Department of Biology

Atlanta, GA

Undergraduate Student Researcher

2012 – 2013

- Developed quantitative analytical skills working with Dr. Lance Waller on two independently proposed Lyme disease research projects
- Practiced scientific writing by turning project findings into two published first author peer-reviewed publications

TEACHING AND SERVICE EXPERIENCE

Yale School of Public Health, Education Committee

Ph.D. Committee Member (Spring 2020)

- Engaged in discussion with Yale School of Public Health faculty about current curriculum
- Provided the committee with graduate student feedback and viewpoints on proposed courses

Yale University, Department of Chronic Disease Epidemiology

Teaching Fellow (Summer 2017 – Summer 2019)

- Served as a teaching fellow for graduate level introductory/accelerated epidemiology and cardiovascular disease courses during the summer and traditional academic year
- Delivered course material aimed at graduate students, clinicians, and business professionals in a variety of teaching formats (lecture, seminar, one-on-one)
- Knowledgeable about accommodations needed to make classroom materials accessible to a wide range of students

Project SHINE

Volunteer Student Teacher (Fall 2010)

- Taught weekly GED preparation math classes to refugee high school girls in metro Atlanta
- Provided one on one feedback and guidance on essay composition to Project SHINE students

PUBLICATIONS

1. **Tran, P.**, Tran, L., Zhu, C., Chang, T., Powers, I., Goldstein, L., & Lichtman, J. (2022). Rural Residence and Antihypertensive Medication Use in US Stroke Survivors. *JAHA*. [In press]
2. Zhu, C., **Tran, P.**, Dreyer, R., Goldstein, L., & Lichtman, J. (2021). Disparities in Internet Use among US Stroke Survivors: Implications for Telerehabilitation during COVID-19 and Beyond. *Stroke*. [In press]
3. **Tran, P.**, Tran, L., & Tran, L. (2021). Nonadherence in diabetes care among US adults with diabetes by stroke status. *PLOS ONE*. [In press]
4. **Tran, P.**, Tran, L., & Tran, L. (2021). Impact of excluding nursing home COVID-19 cases when assessing the relationship between county-level social distancing behavior and COVID-19 cases across the US. *PLOS ONE*. [In press]
5. **Tran, P.**, Tran, L., & Tran, L. (2021). A cross-sectional examination of diabetes screening in US adults by sugar sweetened beverage consumption levels. *Diabetology*. [In press]
6. **Tran, P.**, Zhu, C., Dreyer, R., & Lichtman, J. (2021). Sex- and Age-Specific Comparisons of Cardiac Rehabilitation Attendance among Rural versus Urban Residing US Myocardial Infarction Survivors. *Journal of Cardiopulmonary Rehabilitation and Prevention*. [In press]
7. **Tran, P.**, Tran, L., & Tran, L. (2021). A cross-sectional comparison of US adult diabetes screening levels by disability status. *The Journal of Primary Prevention*. [In press]
8. **Tran, P.**, & Tran, L. (2021). Stroke and Heart Attack Symptom Recognition in Older US Adults by Cognitive Impairment Status. *Neuroepidemiology*, 55(3), 245-252.
9. **Tran, P.**, Tran, L., & Tran, L. (2021). A comparison of post-stroke hypertension medication use between US Stroke Belt and Non-Stroke Belt residents. *The Journal of Clinical Hypertension*, 23(6), 1260-1263.
10. **Tran, P.**, & Tran, L. (2021). National, Regional, and State Employment Rates of US Adults Who Are Deaf or Hard of Hearing. *American Annals of the Deaf*, 166(2), 85-93.
11. **Tran, P.**, Tran, L., & Tran, L. (2021). The Influence of Social Distancing on COVID-19 Mortality in US Counties: Cross-sectional Study. *JMIR public health and surveillance*, 7(3), e21606.
12. **Tran, P.**, Tran, L., & Tran, L. (2020). Geographic variation in employment for US adults with visual impairment. *Journal of Visual Impairment & Blindness*. [In press]
13. **Tran, P.**, Tran, L., & Tran, L. (2021). A cross-sectional analysis of binge drinking levels in US myocardial infarction survivors. *Heart & Lung*, 50(3), 461-464.
14. **Tran, P.**, Tran, L., & Tran, L. (2021). Influence of sexual orientation on diabetes management in US adults with diabetes. *Diabetes & Metabolism*, 47(1), 101177.
15. **Tran, P.**, Tran, L., & Tran, L. (2021). A comparison of routine diabetes screening by sexual orientation in US adults. *Practical Diabetes*, 38(1), 17-21a.
16. Tran, L., **Tran, P.**, & Tran, L. (2020). A cross-sectional analysis of electronic cigarette use in US adults by asthma status. *The Clinical Respiratory Journal*, 14(10), 991-997.
17. **Tran, P.**, Tran, L., & Tran, L. (2020). Sociodemographic, socioeconomic, and clinical factors associated with diabetes screening in Asian Americans. *Journal of Public Health*. doi:10.1007/s10389-020-01267-2
18. **Tran, P.**, Tran, L., & Tran, L. (2020). Smoking levels and associations between sociodemographic factors and smoking continuation in U.S. stroke survivors. *Annals of epidemiology*, 43, 66–70. <https://doi.org/10.1016/j.annepidem.2020.01.007>
19. Tran, L., **Tran, P.**, & Tran, L. (2020). A cross-sectional analysis of 2017 stroke symptoms recognition at the US regional level. *Chronic Illness*. <https://doi.org/10.1177/1742395320905650>
20. Tran, L., **Tran, P.**, & Tran, L. (2020). A cross-sectional examination of sociodemographic factors associated with meeting physical activity recommendations in overweight and obese US adults. *Obesity research & clinical practice*, 14(1), 91–98. <https://doi.org/10.1016/j.orcp.2020.01.002>

21. Tran, L., **Tran, P.**, & Tran, L. (2020). A cross-sectional analysis of racial disparities in US diabetes screening at the national, regional, and state level. *Journal of diabetes and its complications*, 34(1), 107478. <https://doi.org/10.1016/j.jdiacomp.2019.107478>
22. **Tran, P.**, & Tran, L. (2020). Navigating Behavioral Risk Factor Surveillance System Data to Assess Measures of Health in Rural US Populations. SAGE Publications Ltd.
23. **Tran, P.**, & Tran, L. (2019). Influence of rurality on the awareness of myocardial infarction symptoms in the US. *Therapeutic advances in cardiovascular disease*, 13, 1753944719891691. <https://doi.org/10.1177/1753944719891691>
24. **Tran, P.**, Tran, L., & Tran, L. (2019). A Cross-Sectional Analysis of Differences in Physical Activity Levels between Stroke Belt and Non-Stroke Belt US Adults. *Journal of stroke and cerebrovascular diseases : the official journal of National Stroke Association*, 28(12), 104432. <https://doi.org/10.1016/j.jstrokecerebrovasdis.2019.104432>
25. **Tran, P.**, Tran, L., & Tran, L. (2019). Impact of rurality on diabetes screening in the US. *BMC public health*, 19(1), 1190. doi: 10.1186/s12889-019-7491-9
26. Tran, L., & **Tran, P.** (2019). US urban–rural disparities in breast cancer-screening practices at the national, regional, and state level, 2012–2016. *Cancer Causes & Control*, 30(10), 1045-1055.
27. Tran, L., **Tran, P.**, & Tran, L. (2019). Influence of Rurality on HIV Testing Practices Across the United States, 2012–2017. *AIDS and behavior*, 1-14.
28. **Tran, P.**, & Tran, L. (2018). Comparisons between 2015 US asthma prevalence and two measures of asthma burden by racial/ethnic group. *J Asthma*, 1-11. doi: 10.1080/02770903.2018.1556686
29. Tran, L. T., & **Tran, P.** (2018). Validating Geospatial Regression Models With Bootstrapping. *International Journal of Geospatial and Environmental Research*, 5(1), 1.
30. **Tran, P.**, & Mittleman, M. A. (2017). Assessing the Associations Between Awareness of Myocardial Infarction Symptoms, Socioeconomic Factors, and Cardiovascular Disease Risk Factors Through Regression Models. *Journal of racial and ethnic health disparities*, 4(5), 957-966.
31. **Tran, P.**, & Tran, L. (2016). Validating negative binomial lyme disease regression model with bootstrap resampling. *Environmental modelling & software*, 82, 121-127.
32. **Tran, P.**, & Waller, L. (2015). Variability in results from negative binomial models for lyme disease measured at different spatial scales. *Environmental research*, 136, 373-380.
33. **Tran, P. M.**, & Waller, L. (2013). Effects of landscape fragmentation and climate on Lyme disease incidence in the northeastern United States. *Ecohealth*, 10(4), 394-404.

Conference abstracts

1. **Tran, P. M.**, Zhu, C., Chang, T. E., Goldstein, L. B., & Lichtman, J. H. (2022). Abstract P238: Stroke-belt Residence And Post-stroke Statin Use. *Circulation*, 145(Suppl_1), AP238-AP238.
2. **Tran, P.**, Tran, L., & Polyakova, I. (2021). Abstract P149: Rural Residence And Blood Pressure Medication Use In United States Stroke Survivors, 2019 Behavioral Risk Factor Surveillance System Survey. *Hypertension*, 78(Suppl_1).
3. **Tran, P.**, Zhu, C., Dreyer, R. P., & Lichtman, J. H. (2022). Abstract WP59: Sex And Age Specific Differences In Rehabilitation Attendance Between Rural And Urban Stroke Patients In The United States. *Stroke*, 53(Suppl_1), AWP59-AWP59.
4. Zhu, C., **Tran, P.**, Dreyer, R. P., & Lichtman, J. H. (2022). Abstract WMP39: Geographic Variation In The Prevalence Of Internet Use Among Us Men And Women With Stroke: Implications For Telerehabilitation. *Stroke*, 53(Suppl_1), AWMP39-AWMP39.
5. **Tran, P.**, Leifheit, E. C., Wang, Y., Goldstein, L. B., & Lichtman, J. H. (2021). Abstract P644: Average Daily Temperature Fluctuation and Hospitalizations and 30-Day Mortality for Stroke and AMI. *Stroke*, 52(Suppl_1), AP644-AP644.
6. **Tran, P.** (2017). Abstract P342: Disparities in Awareness of Stroke Symptoms Among Different Socioeconomic, Ethnic/Race, and At-risk-of-stroke Groups. *Circulation*, 135(suppl_1), AP342-AP342.

Preprints/Other Media

1. Zhu, C., **Tran, P. M.**, Leifheit, E. C., Spatz, E. S., Dreyer, R. P., Nyhan, K., Wang, S.-Y., Goldstein, L. B., & Lichtman, J. H. (2022). The Association of Marital/Partner Status with Patient-Reported Health Outcomes Following Acute Myocardial Infarction or Stroke: Protocol for a Systematic Review and Meta-analysis. *medRxiv*, 2022.2004.2026.22273986. <https://doi.org/10.1101/2022.04.26.22273986>
2. Tran, L., & **Tran, P.** (2020). TENNESSEE COVID-19. URL: <https://storymaps.arcgis.com/stories/408ac270680043a4a85cbb2a546ad510>
3. **Tran, P.**, Yepes, M., & Kim, S. (2019). Chagas Disease: The Intersection of Infectious Pathogens and Chronic Illness. URL: <https://cde502.courseresource.yale.edu/2018/04/18/chagas-disease-the-intersection-of-infectious-pathogens-chronic-illness/>
4. **Tran, P.**, Bhatt S., & Ul Haq, F. (2019). Skin Woes: Living with Psoriasis. URL: <https://cde502.courseresource.yale.edu/2018/02/08/skin-woes-living-with-psoriasis/>
5. Corsi, M., Dubin, T., Podlogar, V., **Tran, P.**, & Matusovsky, B. (2019). The Childhood Obesity Epidemic. URL: <https://cde502.courseresource.yale.edu/2018/02/22/the-real-childhood-obesity-epidemic/>

PRESENTATIONS

1. **Tran, P.**, Zhu, C., Chang, T., Goldstein, L., Lichtman, J. Stroke-Belt Residence and Post-Stroke Statin Use. A poster presentation at the 2022 EPI|LIFESTYLE Scientific Sessions. March 1-4, 2022, Chicago, Illinois, USA.
2. **Tran P.**, Zhu, C., Dreyer, R., & Lichtman, J. Sex And Age Specific Differences In Rehabilitation Attendance Between Rural And Urban Stroke Patients In The United States. A poster presentation at the 2022 International Stroke Conference. February 9-11, 2022. Virtual conference.
3. Zhu, C., **Tran, P.**, Dreyer, R., Goldstein, L., & Lichtman, J. Disparities in Internet Use among US Stroke Survivors: Implications for Telerehabilitation during COVID-19 and Beyond. A moderated poster presentation at the 2022 International Stroke Conference. February 9-11, 2022. Virtu
4. Zhu, C., **Tran, P.**, Dreyer, R., & Lichtman, J. The Association of Depression with Cardiac Rehabilitation Attendance by Age and Sex among Patients with Myocardial Infarction: Results from the Behavioral Risk Factor Surveillance System. A poster presentation at the AHA Scientific Sessions 2021. November 13-15, 2021. Virtual conference.
5. **Tran P.**, Zhu, C., Dreyer, R., & Lichtman, J. Sex- and age-specific comparisons of cardiac rehabilitation attendance among rural versus urban residing US myocardial infarction survivors. A poster and oral presentation at the 2021 APHA Annual Meeting. October 23-27, 2021. Virtual conference.
6. **Tran, P.**, Tran, L., & Polyakova, I. Rural Residence And Blood Pressure Medication Use In United States Stroke Survivors, 2019 Behavioral Risk Factor Surveillance System Survey. A poster presentation at the Hypertension Scientific Sessions 2021. September 27-29, 2021. Virtual conference.
7. **Tran, P.**, Leifheit, E., Wang, Y., Goldstein, L., & Lichtman, J. Impact of temperature on US Cardiovascular Disease hospitalization and mortality. A presentation as part of the Yale Climate Change Center Seminar Series. March 29, 2021. Virtual conference.
8. Tran, L., & **Tran, P.** US urban-rural disparities in breast cancer screening practices at the national, regional, and state level, 2012-2016. A poster presentation at the 2021 Yale Cancer Center Trainee Colloquium. March 14, 2021. Virtual conference.
9. **Tran, P.**, Leifheit, E., Wang, Y., Goldstein, L., & Lichtman, J. Average Daily Temperature Fluctuation and Hospitalizations and 30-Day Mortality for Stroke and AMI. A poster presentation at the 2021 International Stroke Conference. March 17-19, 2021. Virtual conference.

10. **Tran, P.**, Leifheit, E., Wang, Y., Goldstein, L., & Lichtman, J. Average Daily Temperature Fluctuation and Hospitalizations and 30-Day Mortality for Stroke and AMI. A presentation as part of the 2021 Yale Climate Day. March 11, 2021. Virtual conference.
11. Tran, L., & **Tran, P.** Influence of Rurality on HIV Testing Practices Across the United States. A paper presentation at the 2019 AAG Annual Meeting. April 3-7, 2019, Washington D.C., USA.
12. **Tran, P.**, & Tran, L. Comparisons between 2015 US asthma prevalence and two measures of asthma burden by racial/ethnic group. A paper presentation at the 2019 AAG Annual Meeting. April 3-7, 2019, Washington D.C., USA.
13. **Tran, P.**, & Tran, L. Comparisons between 2015 US asthma prevalence and two measures of asthma burden by racial/ethnic group. A poster presentation at the 2019 Yale-APHA Student Presentation Symposium, April 3, 2019, New Haven, Connecticut, USA.
14. **Tran, P.** Spatial Pattern of the Associations between Awareness of Myocardial Infarction Symptoms, Socioeconomic Factors, and Cardiovascular Disease Risk Factors. A paper presentation at the 2017 AAG Annual Meeting. April 5-9, 2017, Boston, Massachusetts, USA.
15. **Tran, P.**, & Lichtman, J. Disparities in Awareness of Stroke Symptoms among Different Socioeconomic, Ethnic/Race, and At-risk-of-stroke-groups. A poster presentation at the 2017 EPI|LIFESTYLE Scientific Sessions. March 7-10, 2017, Portland, Oregon, USA.
16. **Tran, P.**, & Tran, L. Exploring Variability in Results from Negative Binomial Models for Lyme Disease via Monte Carlo Simulation. A poster presentation at the 2015 SER Annual Meeting, June 16-19, 2015, Denver, Colorado, USA.
17. **Tran, P.**, & Waller, L. Effects of Climate and Landscape Fragmentation on Lyme Disease Incidence in the Northeastern United States. A paper presentation at the 2014 AAG Annual Meeting, April 8-12, 2014, Tampa, Florida, USA.
18. **Tran, P.**, & Waller, L. Effects of Climate and Landscape Fragmentation on Lyme Disease Incidence in the Northeastern United States. A poster presentation at the Emory Fall 2013 SIRE Undergraduate Symposium, October 25, 2013, Atlanta, Georgia, USA.
19. **Tran, P.**, & Waller, L. Effects of Climate and Landscape Fragmentation on Lyme Disease Incidence in the Northeastern United States. A poster presentation at the XV International Symposium in Medical/Health Geography, July 7-12, 2013, Michigan State University, East Lansing, Michigan, USA.
20. **Tran, P.**, & Waller, L. Effects of Climate and Landscape Fragmentation on Lyme Disease Incidence in the Northeastern United States. A poster presentation at the Emory Biology Department Student Research Symposium, April 25, 2013, Atlanta, Georgia, USA.
21. **Tran, P.**, & Waller, L. Effects of Climate and Landscape Fragmentation on Lyme Disease Incidence in the Northeastern United States. A poster presentation at the Emory Spring 2013 SIRE Symposium, April 24, 2013, Atlanta, Georgia, USA.

HONORS AND AWARDS

- 2022 Yale Office of Health Equity Research Excellence Award Finalist
- 2021 American Foundation for Hypertension Research and Education Award for Support of Underrepresented Minorities
- 2016 American Council for the Blind Graduate Student Scholarship
- 2016 Lighthouse Guild Graduate Student Scholarship
- 2014 Charles Elias Shepard Scholarship for Graduate Study
- Dean's List: Fall 2010, Spring 2011, Fall 2011, Spring 2013
- SIRE Undergraduate Research Travel Grant, Summer 2013
- SIRE Independent Research Grant, Spring 2013
- Phi Sigma Iota Honor Society
- Phi Sigma Honor Society

- Alpha Epsilon Delta Honor Society
- Omicron Delta Kappa Honor Society
- Phi Eta Sigma Honor Society

SKILLS

Languages: English and Vietnamese (Native), Spanish (Intermediate)

Computer Skills: SAS, Stata, GIS (ArcGIS), R, SPSS Statistics, SQL Database Development, EndNote, Microsoft Excel, Microsoft Word, Microsoft PowerPoint