

Vu-Thuy Thi Nguyen

DEGREE

Ph.D. Epidemiology, The University of Iowa, Iowa City, Iowa, May 2020

Thesis: Characterizing Factors Associated with HIV Transmissions in Iowa

M.S. Epidemiology, The University of Iowa, Iowa City, Iowa, July 2012

Thesis: Transmitted Antiretroviral Drug Resistance in a Low HIV Prevalence Setting

B.S.E. Biomedical Engineering, The University of Iowa, Iowa City, Iowa, May 2007

B.S. Applied Physics in Medicine, The University of Iowa, Iowa City, Iowa, May 2007

Minor: Chemistry

**ADDITIONAL
EDUCATION**

Graduate Certificate (Biostatistics, University of Iowa), December 2015

Graduate Certificate (Emerging Infectious Diseases, University of Iowa), May 2016

Graduate Certificate (College Teaching, University of Iowa), December 2016

**RESEARCH
INTERESTS**

Emerging infectious diseases

HIV/AIDS

Vulnerable populations

Statistical modeling

Geospatial analyses

**TEACHING
INTERESTS**

Epidemiology fundamentals and methods

Origins and epidemiology of infectious diseases

Social determinants of health

**RESEARCH
EXPERIENCE**

Research Scientist I, Therapeutics Research and Infectious Disease Epidemiology,
Harvard Pilgrim Health Care Institute, Boston, MA, July 2022-Present

- Participate in design and execution of epidemiological studies in collaboration with internal and external PIs and co-investigators
- Assist with development of protocols, surveillance and analysis plans, and implementing algorithms for identifying infectious diseases using electronic health data
- Write interim and final reports, including peer-reviewed publications

National Center on Homelessness Among Veterans Fellow, West Haven VA,
Connecticut, August 2020-July 2022

- Conducted in-depth research on homelessness in veterans such as PHI access and healthcare utilization
- Trained in advanced methodology and research dissemination
- Gained experience in study design and conduct, collaboration, and career development

Transcriptionist, Center for Access and Delivery Research, Iowa City VA,
Iowa, May 2016-August 2020

- Transcribed recorded research interviews
- Revised research transcripts for errors and completeness

Research Assistant, Vaccine Trials and Evaluation Unit, The University of Iowa, Iowa,
June 2017-December 2019

- Reviewed clinical trials documentation for completeness and quality control

- Entered clinical data and subject adverse events in databases maintained by the NIH Infectious Diseases Clinical Research Consortium or pharmaceutical companies
- Screened and consented participants for *Clostridium difficile* vaccine study

Graduate Research Assistant, Patient Activation After DEXA Results Notification Study, The University of Iowa, Iowa, 2012-2017

- Multi-site, pragmatic randomized clinical trial on impact of a results letter following a bone scan on adults ≥ 50 years
- Managed data on 8,141 subjects in a secure, online database called REDCap
- Performed data backups, randomized 5,871 participants and created cohorts averaging 117 subjects biweekly to a third-party for follow-up
- Designed SAS code for 12- and 52-week follow-up and data quality control and assurance reports including the final deidentified dataset
- Conducted statistical analyses, evaluated data for inconsistencies and prepared data for publications

Graduate Research Assistant, Kaiser Permanente Nurse Intervention Study, Kaiser Permanente, Georgia, March 2013-2015

- Randomized controlled trial among adults ≥ 50 years presenting for bone scans; nurse education prior to bone scan was compared to usual care
- Managed confidential data including over 250 variables for 153 participants
- Created data quality control and assurance reports and generated biweekly cohorts for 12- and 52-week follow-up
- Prepared data for investigators and performed statistical analyses

Interviewer, Improving Mood in Assisted Living Study, The University of Iowa, Iowa, May-November 2015

- Randomized controlled trial among adults ≥ 55 years in skilled and assisted living facilities comparing computerized brain training software to control group receiving crossword puzzles
- Conducted computer-assisted phone interviews to participants at baseline, post-training, 6- and 12-month follow-ups

Intern, Minority Health and Health Disparities International Research and Training, The Gambia, West Africa, May-August 2012

- Observed public health activities related to HIV/AIDS in The Gambia with the National AIDS Control Programme
- Participated in clinical data collection including HIV screening and counseling at Hands On Care reproductive health clinic and rural prenatal health care in Farafenni
- Identified the needs and successes of public health activities to conduct population-wide HIV/AIDS screenings in a resource-limited setting

Graduate Research Assistant, Iowa Healthy and Active Minds Study, The University of Iowa, Iowa, 2010-2011

- Randomized controlled trial evaluating the effectiveness of computerized brain training software on older adults' peripheral vision
- Conducted in-person baseline and 12-month follow-up interviews using various psychological instruments and computer-aided questionnaires

- Scored psychological instruments and corrected and adjudicated scoring inconsistencies and recorded results in Microsoft Access

PUBLICATIONS

Nguyen, V.T., Huang, Y., Huang, M., & Tsai, J. “Factors related to COVID-19 vaccine hesitancy among middle- and low-income adults in the U.S.” (*In review*)

Nguyen, V.T., Jatta, A., Mayer, R., & Meier, J.L. (2021) “Evaluation of undiagnosed HIV estimates computed from the CD4 depletion model in a rural, medium-low HIV prevalence state.” *AIDS and Behavior*. doi: 10.1007/s10461-021-03419-1

Nguyen, V.T. (2020) “Characterizing Factors Associated with HIV Transmissions in Iowa.” Ph.D. Thesis, The University of Iowa, Iowa City, ProQuest Dissertations & Theses Global

Solimeo, S.L., Nguyen, V.T., Edmonds, S.W., Lou, Y., Roblin, D.W., Saag, K.G., Cram, P., & Wolinsky, F.D. (2019) “Sex differences in osteoporosis self-efficacy among community-residing older adults presenting for DXA. *Osteoporos Int*. doi: 10.1007/s00198-019-04854-6

Nguyen, V.T., Edmonds, S.W., Lou, Y., Roblin, D.W., Saag, K.G., Cram, P., & Wolinsky, F.D. (2017). Validity, reliability, and responsiveness to change of the "Osteoporosis and You" knowledge scale. *Osteoporos Int*. doi:10.1007/s00198-017-4204-z

Edmonds, S.W., Solimeo, S.L., Nguyen, V.T., Wright, N.C., Roblin, D.W., Saag, K.G., Cram, P. (2017) “Understanding preferences for osteoporosis information to develop an osteoporosis-patient education brochure.” *Perm J*; 21:16-024. DOI: <https://doi.org/10.7812/TPP/16-02>

Nguyen, T.T.V. (2012). “Transmitted antiretroviral drug resistance in a low HIV prevalence setting.” M.S. Thesis, The University of Iowa, Iowa City, ProQuest Dissertations & Theses Global

PRESENTATIONS

“Patterns of HIV Screening Orders among Iowa Health Care Providers, 2012-2016.” Department of Epidemiology Seminar: Poster Session, The University of Iowa, College of Public Health Building, December 6, 2018

“Validity, Reliability, and Responsiveness to Change of the ‘Osteoporosis and You’ Knowledge Scale.” The 2016 Gerontological Society of America Annual Scientific Meeting, New Orleans, LA, November 20, 2016

“Sex and Racial Differences of Osteoporosis Knowledge among Patients Presenting for DXA.” National Osteoporosis Foundation Interdisciplinary Symposium on Osteoporosis, Chicago, Illinois, April 18-21, 2013

“Transmitted Antiretroviral Drug Resistance in a Low HIV Prevalence Setting.” Department of Epidemiology Seminar, The University of Iowa, College of Public Health Building, April 19, 2012

**TEACHING
EXPERIENCE**

Student Facilitator, EPID:5925:0001 Epidemiology Journal Club, The University of Iowa, Fall 2016, Course Director: Dr. Margaret Chorazy

- Identified, screened, and assigned epidemiological scientific journal articles
- Developed critical thinking questions for assigned reading
- Facilitated discussions based on articles and student questions
- Completed as part of teaching practicum for Graduate Certificate in College Teaching

Undergraduate Teaching Assistant, ANTH:2320:0001 Origins of Human Infectious Disease, The University of Iowa, Spring 2015, Course Director: Dr. Andrew Kitchen

- Developed and graded quizzes based on lectures
- Devised exam study guides and tools
- Completed as part of teaching practicum for Graduate Certificate in College Teaching

Student Organizer, Department of Epidemiology Seminar, The University of Iowa, Iowa, Spring 2013-Fall 2014, Course Director: Dr. Audrey Saftlas

- Organized speakers to present on novel epidemiology methods and research
- Video recorded presentations for virtual viewers and student make-up assignments
- Tracked attendance for student grades, CME, and make-up assignments

**JOURNAL
REVIEW**

Psychology of Men and Masculinity
Psychological Trauma: Theory, Research, Practice, and Policy

PEER REVIEW

Nguyen, V.T. Review of Cancer and AIDS: Part I: An Historical Perspective.
Doody's Review Service (online). Available: <http://www.doody.com/drs/>

LEADERSHIP

President, College of Public Health Student Association, 2011-2012
Vice President, Epidemiology Student Association, 2011-2012

**ACADEMIC
HONORS**

W. Thomas Phillips and Carline Bradford Phillips Scholarship
Department of Epidemiology Scholarship

SKILLS

SAS, SPSS, R, ArcGIS, QGIS

MEMBERSHIPS

American College of Epidemiology
American Public Health Association
National Postdoctoral Association
Society for Epidemiologic Research

**PROFESSIONAL
MATERIALS**

References available upon request