

## Curriculum Vitae

Certification. I have read the following and certify that this *curriculum vitae* is a current and accurate statement of my professional record.

Signature:

Date: 04/22/2024

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### **I. Personal Information**

#### **I.A.**

**Last Name:** Nguyen  
**First Name:** Quynh  
**Middle Name:** Camthi  
**Citizenship:** United States

#### **Contact Information:**

Department of Epidemiology and Biostatistics  
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#### **I.B. Academic Appointments at UMD**

08/23/2021-present **Associate Professor (with tenure)**, Department of Epidemiology & Biostatistics  
University of Maryland School of Public Health, College Park, MD  
*Description of duties: I teach graduate classes, advise master's and doctoral students, provide department and university service, and run a NIH-funded research lab as principal investigator (R01MD016037, 3R01MD016037-03S1, R01LM012849)*

08/06/2017-08/22/ 2021 **Assistant Professor**, Department of Epidemiology and Biostatistics, University of Maryland School of Public Health, College Park, MD  
*Description of duties: I taught graduate classes, advised master's and doctoral students, provided department and university service, and ran a NIH-funded research lab as principal investigator (K01ES025433, 3K01ES025433-03S1)*

#### **I.C. Other Employment**

08/06/2017-present **Adjunct Assistant Professor**, Department of Health, Kinesiology and Recreation  
University of Utah College of Health, Salt Lake City, UT  
*Description of duties: I serve on doctoral dissertations and provide service.*

08/01/2013-08/06/2017 **Assistant Professor**, Department of Health, Kinesiology and Recreation,  
University of Utah College of Health, Salt Lake City, UT  
*Description of duties: I taught graduate classes, advised master's and doctoral students, provided department and university service, and ran an NIH-funded research lab as principal investigator (K01ES025433, 3K01ES025433-03S1)*

08/13/2011-06/15/2013 **Data analyst/statistical programmer**, Institute on Urban Health Research & Practice, Northeastern University, Boston, MA  
*Description of duties: I helped implement the study aims of NIH-funded projects (1R21HD066312, R01MD006064). I wrote manuscripts and prepared reports.*

- 08/01/2010-06/10/2011 **Research assistant**, National Longitudinal Study of Adolescent Health (Add Health), University of North Carolina at Chapel Hill, NC  
*Description of duties: I helped implement the study aims of the NIH-funded National Longitudinal Study of Adolescent to Adult Health (Add Health study; P01 HD31921). I wrote manuscripts and prepared presentations.*
- 01/05/2010-05/20/2010 **Teaching assistant**, Department of Epidemiology, UNC School of Public Health (Health), University of North Carolina at Chapel Hill, NC  
*Description of duties: I ran weekly review sessions, graded homework, and answered students' questions.*
- 05/09/2008-12/18/2010 **Research assistant**, Department of Health Behavior and Education, UNC School of Public Health  
*Description of duties: I implemented analyses, wrote manuscripts, and prepared presentations.*
- 09/03/2006-08/11/2010 **Research assistant**, Department of Maternal and Child Health, UNC School of Public Health  
*Description of duties: I implemented analyses, wrote manuscripts, and prepared presentations.*
- 09/02/2007-05/10/2008 **Graduate assistant**, North Carolina Center for Health Preparedness  
*Description of duties: I implemented analyses, wrote manuscripts, and prepared presentations.*
- 05/07/2007-08/12/2007 **Epi Scholar**, New York City Department of Health and Mental Hygiene  
*Description of duties: I analyzed the New York City Health and Nutrition Examination Survey, wrote manuscripts, and prepared presentations.*
- 09/03/2005-06/15/2006 **Member**, AmeriCorps, BUILD (educational non-profit serving at-risk high school students in Menlo Park, CA)  
*Description of duties: I planned events, provided logistics support, and wrote grants to support the nonprofit (BUILD).*

## **I.D. Educational Background**

- 08/08/2011 **Ph.D. Epidemiology (Concentration: Social Epidemiology)**, University of North Carolina at Chapel Hill, Gillings School of Global Public Health
- 12/14/2008 **M.S.P.H. Epidemiology**, UNC Gillings School of Global Public Health
- 06/12/2005 **B.A. Human Biology** (Concentration: Social stratification), Stanford University

## **II. Research, Scholarly, Creative and/or Professional Activities**

Google Scholar i10 index 66; Citations: 2655 as of April 22,2024

### **II.A. Chapters**

#### **➤ A.1 Books**

Keating D, Siddiqi A, **Nguyen QC.** (2013). National Differences in Population Health and Development. In Successful Societies: Social Resilience in the Neoliberal Era, Hall P and Lamont M, eds. Cambridge University Press. Cambridge.

Schmidt, N., **Nguyen QC**, Osypuk TL. (2018). Experimental and Quasi-Experimental Designs in Neighborhood Health Effects Research: Strengthening Causal Inference and Promoting Translation, Duncan DT and Kawachi I, eds. Oxford University Press. Oxford.

➤ **A.2 Essays**

Singh L, Traugott M, Bode L, Budak C, Davis-Kean P, Guha R, Ladd J, Mneimneh Z, **Nguyen QC**, Pasek J, Raghunathan T, Ryan R, Soroka S, Wahedi L. (2020). Data Blending: Haven't We Been Doing This for Years? Georgetown University Massive Data Institute Report.

➤ **A.4 Manuals**

Whitsel EA, Tabor JW, **Nguyen QC**, Cuthbertson CC, Wener MH, Potter AJ, Killeya-Jones LA, Harris KM. (2012). Add Health Wave IV Documentation: Measures of Glucose Homeostasis.

<http://www.cpc.unc.edu/projects/addhealth/data/guides/>

## **II.B. Refereed Journals**

### **Refereed Journal Articles**

\*denotes advisee or trainee of Dr. Nguyen

1. **Nguyen, Q.C.**, Alirezaei, M., Yue, X., Mane, H., Li D., Lingjun Z., Nguyen T.X., Patel R., Yu W., Hu M., Quistberg A., Tasdizen, T. In Press. Leveraging Computer Vision for Predicting Collision Risks: A Cross-Sectional Analysis of 2019-2021 Fatal Collisions in the United States. Injury Prevention.  
*Contribution: conception and design, funding, data acquisition, analysis, writing of manuscript.*
2. **Nguyen, Q.C.**, Tasdizen T., Alirezaei, M., Mane, H., Yue, X., Merchant J., Yu W., Drew L., Li D., Nguyen T.X.. In Press. Neighborhood built environment, obesity, and diabetes: A Utah siblings study. SSM-Population Health.  
*Contribution: conception and design, funding, data acquisition, analysis, writing of manuscript.*
3. Ghorbany, S., Hu, M., Yao, S., Wang, C., **Nguyen, Q.C.**, Yue, X., Alirezaei, M.\*, Tasdizen, T. and Sisk, M., 2024. Examining the role of passive design indicators in energy burden reduction: Insights from a machine learning and deep learning approach. Building and Environment, 250, p.111126.  
*Contribution: data acquisition, funding, critical revision of manuscript.*
4. **Nguyen, Q.C.**, Aparicio, E.M., Jasczynski, M., Doig, A.C., Yue, X., Mane, H., Srikanth, N., Gutierrez, F.X.M., Delcid, N., He, X. and Boyd-Graber, J., 2024. Rosie, a Health Education Question-and-Answer Chatbot for New Mothers: Randomized Pilot Study. JMIR Formative Research, 8(1), p.e51361.  
*Contribution: conception and design, funding, data acquisition, analysis, writing of manuscript.*
5. Nguyen, T. T., Merchant, J. S., Yue, X.\*, Mane, H.\*, Wei, H., Huang, D\*, Gowda, K.N., Makres, K., Najib, C., Nghiem, H.T. and Li, D. & **Nguyen, Q. C.** (2023). A Decade of Tweets: Visualizing Racial Sentiments towards Minoritized Groups in the United States between 2011-2021. Epidemiology (Cambridge, Mass.).  
*Contribution: data acquisition, funding, critical revision of manuscript.*
6. Mane, H. Y.\*, Doig, A. C., Gutierrez, F. X. M., Jasczynski, M.\*, Yue, X.\*, Srikanth, N. P.\*, Mane, S., Sun, A., Moats, R.A., Patel, P. and He, X., & **Nguyen, Q. C.** (2023). Practical Guidance for the Development of Rosie, a Health Education Question-and-Answer Chatbot for New Mothers. Journal of Public Health Management and Practice, 29(5), 663-670.  
*Contribution: conception and design, funding, data acquisition, analysis, writing of manuscript.*
7. Alirezaei, M.\*, **Nguyen, Q. C.**, Whitaker, R., & Tasdizen, T. (2023). Multi-Task Classification for Improved Health Outcome Prediction Based on Environmental Indicators. IEEE Access.  
*Contribution: conception and design, funding, data acquisition, editing of manuscript.*
8. Hu, M., Zhang, K., **Nguyen, Q.C.**, & Tasdizen, T. (2023). The effects of passive design on indoor thermal comfort and energy savings for residential buildings in hot climates: A systematic

- review. *Urban Climate*, 49, 101466.  
*Contribution: data acquisition, funding, critical revision of manuscript.*
9. Criss, S., Kim, M., De La Cruz, M.M., Thai, N., **Nguyen, Q.C.**, Hswen, Y., Gee, G.C. and Nguyen, T.T., 2023. Vigilance and protection: how Asian and Pacific Islander, Black, Latina, and Middle Eastern women cope with racism. *Journal of racial and ethnic health disparities*, pp.1-10.  
*Contribution: data acquisition, funding, critical revision of manuscript.*
  10. Nguyen, T. T., Yu, W. \*, Merchant, J. S., Criss, S., Kennedy, C. J., Mane, H. \* Gowda, K.N., Kim, M., Belani, R., Blanco, C.F. and Kalachagari, M., & **Nguyen, Q. C.** (2023). Examining exposure to messaging, content, and hate speech from partisan news social media posts on racial and ethnic health disparities. *International journal of environmental research and public health*, 20(4), 3230.  
*Contribution: data acquisition, funding, critical revision of manuscript.*
  11. Nguyen, T.T., Merchant, J.S., Criss, S., Makres, K., Gowda, K.N., Mane, H. \*, Yue, X. \*, Hswen, Y., Glymour, M.M., **Nguyen, Q.C.** and Allen, A.M., 2023. Examining Twitter-Derived Negative Racial Sentiment as Indicators of Cultural Racism: Observational Associations With Preterm Birth and Low Birth Weight Among a Multiracial Sample of Mothers, 2011-2021. *Journal of Medical Internet Research*, 25, p.e44990.  
*Contribution: data acquisition, funding, critical revision of manuscript.*
  12. Yang Y, Cho A, **Nguyen QC**, Nsoesie EO. Association of Neighborhood Racial and Ethnic Composition and Historical Redlining With Built Environment Indicators Derived From Street View Images in the US. *JAMA Netw Open*. 2023;6(1):e2251201.  
doi:10.1001/jamanetworkopen.2022.51201  
*Contribution: conception and design, data acquisition, critical revision of manuscript.*
  13. Criss, S., Nguyen, T.T., Michaels, E.K., Gee, G.C., Kiang, M.V., **Nguyen, Q.C.**, Norton, S., Titherington, E., Nguyen, L., Yardi, I. and Kim, M., 2023. Solidarity and strife after the Atlanta spa shootings: A mixed methods study characterizing Twitter discussions by qualitative analysis and machine learning. *Frontiers in Public Health*, 11, p.952069.  
*Contribution: conception and design, critical revision of manuscript.*
  14. Hu, M., Zhang, K., **Nguyen, Q. C.**, Tasdizen, T., Krusche, K. U. (2022). A Multistate Study on Housing Factors Influential to Heat-Related Illness in the United States. *International Journal of Environmental Research and Public Health*, 19(23), 15762.  
<http://dx.doi.org/10.3390/ijerph192315762>  
*Contribution: conception and design, critical revision of manuscript.*
  15. Yue, X. \*, Antonietti, A. \*, Alirezaei\*, M., Tasdizen, T., Li, D., Nguyen, L., Mane, H. \*, Sun, A. \*, Hu, M., Whitaker, R. T., **Nguyen, Q. C.** (2022). Using Convolutional Neural Networks to Derive Neighborhood Built Environments from Google StreetView Images and Examine Their Associations with Health Outcomes. *International Journal of Environmental Research and Public Health*, 19(19), 12095. <http://dx.doi.org/10.3390/ijerph191912095>  
*Contribution: conception and design, funding, data acquisition, analysis, writing of manuscript.*
  16. Yu, W. \*, Alipio, C., Wan, J., Mane, H., **Nguyen, Q. C.** (2022). Social Network Analysis on the Mobility of Three Vulnerable Population Subgroups: Domestic Workers, Flight Crews, and Sailors during the COVID-19 Pandemic in Hong Kong. *International Journal of Environmental Research and Public Health*, 19(13), 7565. <http://dx.doi.org/10.3390/ijerph19137565>  
*Contribution: conception and design, data acquisition, writing of manuscript.*
  17. **QC Nguyen**, I Yardi\*, FXM Gutierrez, H Mane\*, X Yue\*. Leveraging 13 million responses to the US COVID-19 Trends and Impact Survey to examine vaccine hesitancy, vaccination, and mask wearing, January 2021-February 2022  
*BMC Public Health* 22 (1), 1-15.  
*Contribution: conception and design, data acquisition, analysis, writing of manuscript.*
  18. TT Nguyen, S Criss, M Kim, MM De La Cruz, N Thai, JS Merchant, Y Hswen, AM Allen, GC Gee, **QC Nguyen**. Racism During Pregnancy and Birthing: Experiences from Asian and Pacific Islander, Black, Latina, and Middle Eastern Women. *Journal of Racial and Ethnic Health Disparities*, 1-11.  
*Contribution: assisting with conception and design, critical revision of the manuscript.*

19. H Mane\*, X Yue\*, W Yu, AC Doig\*, H Wei, N Delcid\*, AG Harris, TT Nguyen, **QC Nguyen**. Examination of the Public's Reaction on Twitter to the Over-Turning of Roe v Wade and Abortion Bans. *Healthcare* 10 (12), 2390.  
*Contribution: conception and design, data acquisition, analysis, writing of manuscript.*
20. **Nguyen, Q.C.**; Belnap, T.; Dwivedi, P.\*; Deligani, A.H.N.; Kumar, A.; Li, D.; Whitaker, R.; Keralis, J.\*; Mane, H.\*; Yue, X.\*; Nguyen, T.T.; Tasdizen, T.; Brunisholz, K.D. Google Street View Images as Predictors of Patient Health Outcomes, 2017–2019. *Big Data Cogn. Comput.* 2022, 6, 15. <https://doi.org/10.3390/bdcc6010015>.  
*Contribution: assisting with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
21. Jay, J., de Jong, J., Jimenez, M.P., **Nguyen, QC**. and Goldstick, J., 2021. Effects of demolishing abandoned buildings on firearm violence: a moderation analysis using aerial imagery and deep learning. *Injury prevention*. Published Online First: 07 December 2021. doi: 10.1136/injuryprev-2021-044412.  
*Contribution: assisting with the conception and design, data acquisition, interpretation of data, and critical revision of the manuscript.*
22. Nguyen, T.T., Criss, S., Michaels, E.K., Cross, R.I., Michaels, J.S., Dwivedi, P.\* , Huang, D.\* , Hsu, E.\* , Mukhija, K., Nguyen, L.H.\* and Yardi, I.\* , Allen A.M., **Nguyen, Q.C.**, Gee G., 2021. Progress and push-back: How the killings of Ahmaud Arbery, Breonna Taylor, and George Floyd impacted public discourse on race and racism on Twitter. *SSM-population health*, 15, p.100922.  
*Contribution: assisting with the conception and design, data acquisition, interpretation of data, and critical revision of the manuscript.*
23. Nguyen, T.T., Huang, D.\* , Michaels, E.K., Glymour, M.M., Allen, A.M. and **Nguyen, Q.C.**, 2021. Evaluating associations between area-level Twitter-expressed negative racial sentiment, hate crimes, and residents' racial prejudice in the United States. *SSM-population health*, 13, p.100750.  
*Contribution: assisting with the conception and design, data acquisition, interpretation of data, and critical revision of the manuscript.*
24. Hanley, A.\* , **Nguyen, Q.C.**, Badawi, D.G., Chen, J., Ma, T. and Slopen, N. (2021). The diagnostic odyssey of autism: a cross-sectional study of 3 age cohorts of children from the 2016–2018 National Survey of Children's Health. *Child and adolescent psychiatry and mental health*, 15(1), pp.1-9.  
*Contribution: assisting with the conception and design, interpretation of data, and critical revision of the manuscript.*
25. Nguyen, T.T., **Nguyen, Q.C.**, Rubinsky, A.D., Tasdizen, T., Deligani, A.H.N., Dwivedi, P., Whitaker, R., Fields, J.D., DeRouen, M.C., Mane, H.\* and Lyles, C.R., 2021. Google Street View-Derived Neighborhood Characteristics in California Associated with Coronary Heart Disease, Hypertension, Diabetes. *International journal of environmental research and public health*, 18(19), p.10428.  
*Contribution: assisting with the conception and design, data acquisition, interpretation of data, and critical revision of the manuscript.*
26. Li Y, Slopen N, Sweet T, **Nguyen QC**, Beck K, Liu H. Stigma in a Collectivistic Culture: Social Network of Female Sex Workers in China. *AIDS Behav.* 2021 Jul 26. doi: 10.1007/s10461-021-03383-w. Epub ahead of print. PMID: 34312739.  
*Contribution: assisting with the conception and design, interpretation of data, and critical revision of the manuscript.*
27. **Nguyen QC**, Keralis JM\*, Dwivedi P\*, Liu A\*, Javanmardi M, Khanna S, Huang Y, Brunisholz KD, Kumar A\*, Tasdizen T. 2021. Leveraging 31 Million Google Street View Images to Characterize Built Environments and Examine County Health Outcomes. *Public Health Reports*. <https://doi.org/10.1177/0033354920968799>  
*Contribution: assisting with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
28. Nguyen T., Criss S., Dwivedi P\*., Huang D., Keralis J.\* , Hsu E.\* , Phan L.\* , Nguyen L.H.\* , Yardi I.\* , Glymour M.M., Allen A.M., Chae D.H., Gee G.C., **Nguyen Q.C.** 2021. Exploring

- U.S. Shifts in Anti-Asian Sentiment with the Emergence of COVID-19. *Int. J. Environ. Res. Public Health*.
- Contribution: assisting with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
29. Li D.\*, Li Y, **Nguyen QC**, Siebeneck LK (2020). A Study on the GIS Professional (GISP) Certification Program in the U.S.. *ISPRS International Journal of Geo-Information*. 9(9):523.  
*Contribution: drafting of the manuscript, and critical revision of the manuscript.*
  30. **Nguyen QC**, Huang Y, Kumar A\*, Duan H\*, Keralis JM\*, Dwivedi P\*, Meng H-W\*, Brunisholz KD, Jay J, Javanmardi M, Tasdizen T. Using 164 Million Google Street View Images to Derive Built Environment Predictors of COVID-19 Cases. *International Journal of Environmental Research and Public Health*. 2020; 17(17):6359.  
*Contribution: assisting with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
  31. Phan L\*, Yu W\*, Keralis J\*, Mukhija K\*, Dwivedi P\*, Brunisholz K, Javanmardi M\*, Tasdizen T, **Nguyen QC** (2020). Google Street View Derived Built Environment Indicators and Associations with State-level Obesity, Physical Activity, and Chronic Disease Mortality. *International Journal of Environmental Research and Public Health*. 17(10), 3659; <https://doi.org/10.3390/ijerph17103659>  
*Contribution: assisting with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
  32. Nguyen TT, Adams N, Huang D\*, Glymour MM, Allen A, **Nguyen QC** (2020). State-level racial attitudes and adverse birth outcomes: applying natural language processing to Twitter data to quantify state context for pregnant women. *JMIR*. 2020 Apr 16. doi: 10.2196/17103. <https://www.ncbi.nlm.nih.gov/pubmed/32298232>  
*Contribution: statistical analysis, interpretation of data, and critical revision of the manuscript.*
  33. Schmidt N, Kehm R, **Nguyen QC**, Osypuk TL. (2020). Do changes in neighborhood social context mediate the effects of the Moving to Opportunity experiment on adolescent mental health? *Health & Place*. 63, 102331.  
*Contribution: statistical analysis, interpretation of data, and critical revision of the manuscript.*
  34. Keralis JM\*, Javanmardi M\*, Khanna S\*, Dwivedi P\*, Huang D\*, Tasdizen T, & **Nguyen QC**. (2020). Health and the built environment in United States cities: measuring associations using Google Street View-derived indicators of the built environment. *BMC public health*, 20(1), 215.  
*Contribution: Doctoral student-led paper; assisted with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
  35. Huang D\*, Huang Y\*, Adams N, Nguyen TT, & **Nguyen QC**. (2020). Twitter-Characterized Sentiment Towards Racial/Ethnic Minorities and Cardiovascular Disease (CVD) Outcomes. *Journal of Racial and Ethnic Health Disparities*, 1-13.  
*Contribution: Product of student dissertation; assisted with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
  36. Javanmardi M\*, Huang D\*, Dwivedi P\*, Khanna S\*, Brunisholz K, Whitaker R, **Nguyen QC** & Tasdizen T (2019). Analyzing Associations Between Chronic Disease Prevalence and Neighborhood Quality Through Google Street View Images. *IEEE Access*.  
*Contribution: Product of student dissertation; assisted with the conception and design, acquisition of data, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
  37. Li D\*, Cova TJ, Dennison PE, Wan N, **Nguyen QC**, & Siebeneck L. (2019). Why do we need a national address point database to improve wildfire public safety in the US? *International Journal of Disaster Risk Reduction*, 101237.  
*Contribution: Invited as a coauthor because of my expertise with national datasets, drafting of the manuscript, and critical revision of the manuscript.*
  38. Cesare N, **Nguyen QC**, Grant C, Nsoesie EO. Social media captures demographic and regional physical inactivities (2019). *BMJ Open Sport & Exercise Medicine*. DOI: 10.1136/bmjsem-2019-000567

- Contribution: Invited as a coauthor because of my expertise with Twitter data; acquisition of data, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
39. Huang Y\*, Huang D\*, **Nguyen QC** (2019). Census Tract Food Tweets and Chronic Disease Outcomes in the US, 2015-2018. *International Journal of Environmental Research and Public Health*. 18: 16(10). DOI:10.3390/ijerph16101766.  
*Contribution: Master's student-led paper; assisted with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
40. Dwivedi P\*, Huang D\*, Yu W\*, **Nguyen QC**. Predicting Geographical Variation in Health-Related Quality of Life (2019). *Preventive Medicine*. 126.  
*Contribution: A full-time master's level research staff hired from my R01 led this paper; assisted with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
41. Nguyen TT, Criss S, Allen AM, Glymour M, Phan L\*, Trevino R\*, Dasari S, **Nguyen QC** (2019). Pride, Love, and Twitter Rants: Combining Machine Learning and Qualitative Techniques to Understand What Our Tweets Reveal about Race in the US. *International Journal of Environmental Research and Public Health*. 18: 16(10).  
*Contribution: assisted with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
42. **Nguyen QC**, Khanna S\*, Dwivedi P\*, Huang D\*, Huang Y\*, Tasdizen T, Brunisholz K, Li F, Gorman W, Nguyen TX, Jiang C (2019). Using Google Street View to Examine Associations between Built Environment Characteristics and U.S. Health Outcomes. *Preventive Medicine Reports*. 14: 100859.  
*Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
43. Litchman M, Wawrzynski SE, Woodruff WS, Arrington J, **Nguyen QC**, Brown A, Gee P (2019). Continuous Glucose Monitoring in the Real-World: Photosurveillance of #Dexcom on Instagram. *JMIR Public Health Surveillance* ;5(2):e11024  
*Contribution: Invited as a co-author because of my expertise with social media, critical revision of the manuscript.*
44. **Nguyen QC**, Sajjadi M\*, McCullough M\*, Pham M\*, Nguyen TX, Yu W\*, Meng H\*, Wen M, Li F, Smith KR, Brunisholz K, Tasdizen T (2018). Neighborhood Looking Glass: Degree Automated Characterization of the Built Environment for Neighborhood Effects Research. *Journal of Epidemiology and Community Health*. 72:260-266.  
*Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
45. Nguyen TT, Meng H.-W\*, Sandeep S\*, McCullough M\*, Yu W\*, Lau Y, Huang D\*, **Nguyen QC**. Twitter-derived measures of sentiment towards minorities (2015-2016) and associations with low birth weight and preterm birth in the United States (2018). *Computers in Human Behavior*, 89, 308–315. <https://doi.org/10.1016/j.chb.2018.08.010>. PubMed PMID: 30923420; PubMed Central PMCID: PMC6432619.  
*Contribution: assisted with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
46. **Nguyen QC**, Brunisholz K, Yu W\*, McCullough M\*, Hanson HA, Litchman ML, Li F, Wan Y, VanDerslice JA, Wen M, Smith KR. (2017). Twitter-derived neighborhood characteristics associated with obesity and diabetes. *Scientific Reports*. 7 (16425).  
*Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
47. Meng H\*, Kath S\*, Li D\*, **Nguyen QC** (2017). National Substance Use Patterns on Twitter. *PLOS ONE*. 12(11): e0187691  
*Contribution: Product of student dissertation paper; conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
48. Henly S, Tuli G, Kluberg S, Hawkins JB, **Nguyen QC**, Anema A, Maharana A, Brownstein JS, Nsoesie EO (2017). Disparities in digital reporting of illness: A demographic and socioeconomic assessment. *Preventive Medicine*. 101: 18-22

- Contribution: Invited as a coauthor because of my expertise on digital data; acquisition of data, drafting of the manuscript, and critical revision of the manuscript.*
49. **Nguyen QC**, McCullough M\*, Meng H\*, Paul D\*, Li D\*, Kath S\*, Loomis G, Nsoesie EO, Smith KR, Li F (2017). Geotagged US Tweets as Predictors of County-Level Health Outcomes, 2015–2016. *American Journal of Public Health*. 107 (11): 1776-1782.  
*Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
  50. **Nguyen QC**, Meng H\*, Li D\*, Kath S\*, McCullough M\*, Paul D\*, Kanokvimankul P\*, Nguyen TX, Li L (2017). Social media indicators of the food environment and state health outcomes. *Public Health*. 48: 120-128.  
*Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
  51. **Nguyen QC**, Acevedo-Garcia D, Schmidt NM, Osypuk TL (2016). The effects of a housing mobility experiment on participants’ residential environments. *Housing Policy Debate*.  
*Contribution: assisted with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
  52. **Nguyen QC**, Li D\*, Meng H\*, Kath S\*, Nsoesie E, Li F, Wen M (2016). A national neighborhood dataset from geotagged Twitter data. *JMIR Public Health and Surveillance*. 2(2), e158.  
*Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
  53. **Nguyen QC**, Kath S\*, Meng H\*, Li D\*, Smith KR, VanDerslice JA, Wen M, Li F (2016). Leveraging geotagged Twitter data to examine neighborhood happiness, diet, and physical activity. *Applied Geography*. 73: 77-88  
*Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
  54. **Nguyen QC**, Rehkopf DH, Schmidt NM, Osypuk TL (2016). Heterogeneous effects of housing policy on adolescent mental health. *American Journal of Public Health*. 106(4), 755-762  
*Contribution: assisted with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
  55. Glymour MM, **Nguyen QC**, Tchetgen-Tchetgen EJ, Schmidt NM, Osypuk TL (2016). Does Mother Know Best? Treatment Adherence as a Function of Anticipated Treatment Benefit in the Moving to Opportunity Trial. *Epidemiology*. 27(2):265-75.  
*Contribution: assisted with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
  56. Siddiqi A, Brown R, **Nguyen QC**, Loopstra R, Kawachi I (2015). Cross-national comparison of socioeconomic inequalities in obesity in the United States and Canada. *International Journal for Equity in Health*. 14:116  
*Contribution: drafting of the manuscript, and critical revision of the manuscript.*
  57. Hussey JM, **Nguyen QC**, Whitsel EA, Richardson LJ, Halpern CT, Gordon-Larsen P, Tabor JW, Entzel PP & Harris KM (2015). Characteristics and Reliability of In-Home Anthropometry. *Demographic Research*. 32(29), 1081–1098  
*Contribution: assisted with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
  58. **Nguyen QC**, Osypuk TL, Schmidt NM, Glymour MM, Tchetgen ET (2015). Practical Guide for Mediation Analysis with Multiple Mediators using Inverse Odds Ratio Weighting. *American Journal of Epidemiology*. 181 (5): 349-356 first published online February 17, 2015.  
*Contribution: assisted with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
  59. **Nguyen QC**, Whitsel EA, Tabor JW, Cuthbertson CC, Wener MH, Potter AJ, Halpern CT, Ley A Killeya-Jones, Hussey JM, Suchindran C, Mullan Harris K (2014). Diabetes prevalence in a nationally representative population of young U.S. adults. *Annals of Epidemiology*. 24(12), 903–909.e1  
*Contribution: assisted with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*



60. Siddiqi A, Wang S, Quinn K, Christy AD, **Nguyen QC**. (2014). Racial disparities in access to care under conditions of universal coverage: Insights from Canada. *American Journal of Preventive Medicine*. 50(2); 220-225. doi: 10.1016/j.amepre.2014.08.004  
*Contribution: statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
61. Schmidt N, Lincoln AK, **Nguyen QC**, Acevedo-Garcia D, Osypuk TL. (2014). Examining mediators of housing mobility on adolescent asthma: Results from a Housing Voucher Experiment. *Social Science & Medicine*. 107: 136–144.  
*Contribution: drafting of the manuscript, and critical revision of the manuscript.*
62. Schmidt NM, Tchetgen Tchetgen E, Ehntholt A, Almeida J, **Nguyen QC**, Molnar BE, Azrael D, Osypuk TL (2014). Does neighborhood collective efficacy for families change over time? The Boston Neighborhood Survey. *Journal of Community Psychology*. 42(1), 61-79.  
*Contribution: drafting of the manuscript, and critical revision of the manuscript.*
63. **Nguyen QC**, Schmidt N, Glymour MM, Rehkopf D, and Osypuk TL (2013). Were the mental health benefits of a housing mobility intervention larger for adolescents in higher socioeconomic status families? *Health & Place*. 23(0): 79-88.  
*Contribution: assisted with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
64. Siddiqi A, Ornelas IJ, Quinn K, Zuberi, D, **Nguyen, QC**. (2013) Societal Context and the Production of Immigrant Status Based Health Inequalities: A Comparative Study of the United States and Canada. *Journal of Public Health Policy*. 34, 330–344  
*Contribution: assisted with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
65. **Nguyen QC**, Villaveces A, Marshall SW, Hussey JM, Carolyn CT, Poole C. (2012). Adolescent Expectations of Early Death Predict Adult Risk Behaviors. *PLOS ONE*. 7(8): e41905  
*Contribution: One of my dissertation papers; conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
66. **Nguyen QC**, Hussey JM, Carolyn CT, Villaveces A, Marshall SW, Siddiqi A, Poole C (2012). Adolescent Expectations of Early Death Predict Socioeconomic Status. *Social Science & Medicine*, May; 74(9): 1452-1460.  
*Contribution: One of my dissertation papers; assisted with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
67. **Nguyen QC**, Tabor JW, Entzel PP, Lau Y, Suchindran C, Hussey JM, Halpern CT, Harris KM, Whitsel EA. (2011). Discordance in National Estimates of Hypertension Prevalence among Young Adults. *Epidemiology*, Jul;22(4):532-541.  
*Contribution: Doctoral practicum paper; assisted with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
68. Whitsel EA, **Nguyen QC**, Suchindran C, Hussey JM, Killeya-Jones LA, Tabor JW, Fitzgerald CS, Hallquist SP, Halpern CT, Harris KM. (2011). Value Added: Quality, Quantity, and Diversity of National Blood Pressure Data on Young Adults [Rejoinder]. *Epidemiology*, Jul;22(4):532-41.  
*Contribution: assisted with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
69. **Nguyen QC**, Waddell EN, Huston SL, Thomas JC, Kerker BD, Gwynn RC. (2011). Inequities in Awareness, Treatment and Control of Hypertension and Hypercholesterolemia among the Insured in New York City. *Preventing Chronic Disease*; 8(5): A109.  
*Contribution: Master's project paper; assisted with the conception and design, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*
70. Siddiqi A, **Nguyen QC**. (2010). A Cross-National Comparative Perspective on Racial Inequities in Health: The United States versus Canada. *Journal of Epidemiology and Community Health*, Jan;64(1):29-35.

Contribution: assisted with the conception and design, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.

71. Siddiqi A, Zuberi D, **Nguyen QC**. (2009). The role of health insurance in explaining immigrant versus non-immigrant disparities in access to health care: Comparing the United States to Canada. *Social Science & Medicine*, Nov;69(10):1452-9.

Contribution: assisted with the conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.

## **II.C. Conferences, Workshops, and Talks**

### **➤ C.1 Invited Talks (Presentation)**

1. **Nguyen QC**. Harnessing data science to advance health disparities research and practice. National Institutes of Nursing Research. February 5, 2024
2. **Nguyen QC**. Leveraging Data Science of Neighborhood Quality Characterization. John Ruffin Seminar. National Institutes on Aging. October 13, 2023
3. **Nguyen QC**. Using Google Street View to Examine Associations between Built Environment Characteristics and U.S. Health Outcomes. NLM Board of Regents Meeting. May 9, 2023.
4. **Nguyen QC**. Utilizing data science for health disparities research and practice. Illinois Institute of Technology Great Problems, Great Minds webinar series, March 2, 2023.
5. **Nguyen QC**. Harnessing Big Data for Public Health and Social Science. Blalock Lecture for the ICPSR Summer Program. July 27, 2021.
6. **Nguyen QC**. Using Google Street View to Examine Associations between Built Environmental Characteristics and U.S. Health Outcomes: Census Tract, County, and Individual Level. SMAART seminar series. Center for Geospatial Information Science. June 8, 2021.
7. **Nguyen QC**. Twitter-derived measures of sentiment towards minorities and associations with adverse outcomes and cardiovascular disease. University of South Carolina Big Data Health Science Center. March 11, 2021.
8. **Nguyen QC**. Using Google Street View to Examine Links Between the Built Environment and Health. Centers for Disease Control and Prevention, Division of Nutrition, Physical Activity, and Obesity (e-presentation). April 30, 2020.
9. **Nguyen QC**. Week of Women Podcast. Alpha Kappa Delta Phi International Sorority (e-presentation). April 20, 2020
10. **Nguyen QC**. Using Google Street View to Examine Links Between the Built Environment and Health Outcomes. NIH National Library of Medicine Informatics & Data Science Lecture Series. Bethesda, MD, March 4, 2020.
11. **Nguyen QC**. Using Google Street View Images to Examine Associations Between the Built Environment and U.S. Health Outcomes. UMD Conference on Big Data in Public Health, University of Maryland, College Park, February 28, 2020.
12. **Nguyen QC**. 360 Degree Characterization of the Built Environment for Neighborhood Effects Research. University of California at San Francisco Department of Epidemiology and Biostatistics Research Seminar, San Francisco, February 20, 2020
13. Tolga Tasdizen, **Nguyen QC**. Neural Network Models for Neighborhood Effects Research. Applied Machine Learning Days, Ecublens, Switzerland, January 27, 2020
14. **Nguyen QC**. Innovative models of data collection and analysis in Urban Health Research. Reimaging Health in Cities Symposium. Dornsife School of Public Health, Philadelphia, PA., September 5, 2019.

15. **Nguyen, QC.** Leveraging Social Media for Neighborhood Research to Understand Potential Influences of the Social Environment on Health. OBSSR Methodology Seminar: Text Mining for Behavioral and Social Sciences Research. NIH Office of Behavioral and Social Sciences Research. Bethesda, MD, August 9, 2019.
16. **Nguyen QC.** HashtagHealth: Geotagged Tweets as Predictors of Health Outcomes. Interdisciplinary Dialogue: Diversity Research Showcase, University of Maryland Libraries, University of Maryland College Park, May 6, 2019.
17. **Nguyen, QC.** Leveraging Twitter Data for Health Research. Meeting on Data Blending: Tackling the Obstacles. Massive Data Institute. Georgetown University, April 24, 2019.
18. **Nguyen QC.** Harnessing big data for health research. Department of Behavioral and Community Health, University of Maryland, College Park, April 12, 2019
19. **Nguyen QC.** Harnessing computer vision for neighborhood health research. Center for Health Services and Outcomes Research. John Hopkins Bloomberg School of Public Health. Baltimore, Maryland, April 23, 2019
20. **Nguyen QC.** Innovative data sources in Population Research. Hopkins Population Center. Baltimore, Maryland, April 5, 2019.
21. **Nguyen QC.** Social Media Data Mining: Partnerships to Enhance Public Health. Digital Health Promotion Leadership Summit, Washington DC, June 6, 2018.
22. **Nguyen QC.** Big data for public health and social research. 6<sup>th</sup> Annual Public Health Research @ Maryland, University of Maryland, College Park, MD. April 3, 2018.
23. **Nguyen, QC.** The intersection of public health, social science and data science. Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA. January 19, 2017.
24. **Nguyen QC.** Data science in social epidemiology. University of Alberta School of Public Health. Edmonton, Canada. July 11, 2016.
25. **Nguyen QC.** Data interpretation issues. Texas Tech University. Abilene, Texas. June 29, 2016.
26. **Nguyen QC.** The intersection of public health, social science and data science. Case Western Reserve University School of Medicine. Cleveland, OH. June 15, 2016.
27. **Nguyen QC.** How to build collaborations between social and data scientists? Pacific Symposium on Biocomputing. Big Island, Hawaii, January 3, 2016.
28. **Nguyen QC.** Experimental effects and mechanisms of neighborhood relocation on metabolic risk? K-Club. Center for Clinical and Translational Science. University of Utah. Salt Lake City, UT. May 13, 2014.
29. **Nguyen QC.** Prescription medications in a national cohort of young adults. Population & Health Seminar Series. Department of Sociology, University of Utah. April 4, 2014.
30. **Nguyen QC.** Young adult health. Institute for Health Metrics and Evaluation. University of Washington. Seattle, WA. February 11, 2013.
31. **Nguyen QC.** The importance of earlier-life factors on adult health and behaviors. Introduction to Social Epidemiology. Northeastern University. Boston, MA. October 1, 2012.

32. **Nguyen QC.** Adolescent expectations of an early death and young adult outcomes. Social epidemiology journal club. Harvard School of Public Health. Boston, MA. Sept 27, 2012
33. **Nguyen QC.** Do changes in neighborhood conditions mediate the effects of the Moving to Opportunity experiment on adolescent mental health? Institute on Urban Health Research and Practice, Northeastern University. Boston, MA. Sept 20, 2012
34. **Nguyen QC.** Estimating the population burden of hypertension and assessing the quality of measured blood pressure in a national survey. Introduction to Social Epidemiology. Northeastern University. Boston, MA, October 25, 2011.
35. **Nguyen QC.** Accurate and reliable measurement of blood pressure and hypertension prevalence in the National Longitudinal Study of Adolescent Health, Wave IV. Carolina Population Center Seminar. Chapel Hill, NC. April 2010.

➤ **C.2 Refereed Presentations**

*\*denotes advisee or trainee of Dr. Nguyen*

1. Huang D\*, **Nguyen QC.** Twitter-derived neighborhood characteristics and cardiometabolic outcomes in a nationally representative population. *40<sup>th</sup> Annual Meeting of the Society of Behavioral Medicine.* Washington, DC, March 6, 2019.
2. Dwivedi P\*, **Nguyen QC.** Predicting Geographical Variation in Health-Related Quality of Life. *Fall 2018 Meeting of the American Geophysical Union.* Washington DC, December 18, 2018.
3. **Nguyen, QC.** Leveraging Internet Big Data for Neighborhood Effects Research. *Digital Health Promotion Executive Leadership Summit.* Washington DC, June 6, 2018.
4. Cesare, N, **Nguyen QC,** Grant C, Nsoesie E. Estimating Obesity Prevalence by Age and Gender Using Social Media Data. *Annual Meeting of the Population Association of America.* Denver, Colorado, April 28, 2018.
5. **Nguyen, QC.** Do Data Matter? Informing Personal and Community Decision-Making. *7<sup>th</sup> Annual Public Health Research @ Maryland,* University of Maryland, College Park, April 2, 2018
6. **Nguyen QC,** Sajjadi M\*, McCullough M\*, Pham M\*, Nguyen TX, Yu W\*, Meng H\*, Huang D\*, Wen M, Li F, Smith KR, Brunisholz K, Tasdizen T. 360 Degree Automated Characterization of the Built Environment for Neighborhood Effects Research. *American Public Health Association Annual Conference,* Atlanta, Georgia, November 7, 2017.
7. **Nguyen QC.** Geotagged US Tweets as Predictors of County-Level Health Outcomes, 2015–2016. *2018 Interdisciplinary Association for Population Health Science Conference,* Austin, Texas, October 3, 2017
8. Garmire LX, Gliske S, **Nguyen QC,** Chen JH, Nemati S, Van Horn JD, Moore JH, Shreffler C, Dunn M. The training of next generation data scientists in Biomedicine. Pacific Symposium on Biocomputing. Pacific Symposium on Biocomputing, January 4, 2017.
9. **Nguyen QC,** Meng H\*, Li D\*, Loomis G\*, Li F, Smith K, Kath S\*, McCullough M\*, Paul, D\*, Nsoesie E. Geotagged Tweets as Predictors of County-Level Health Outcomes. *BD2K All Hands Meeting,* Washington DC, November 30, 2016

10. **Nguyen QC**, Kath S\*, Meng H\*. Estimating state-level happiness in Utah with Twitter Data. *Stanford Big Data in Biomedicine Conference*. Stanford, CA. May 20, 2015.
11. **Nguyen QC**, Whitsel EA, Meng H, Halpern CT, Killeya-Jones LA, Hussey JM, Tabor JW, Harris KM. Prescription medication use in a nationally representative sample of young U.S. adults. *47th Annual Society for Epidemiology Research Meeting*, Seattle, WA. June 25, 2014.
12. Osypuk TL, **Nguyen QC**, Glymour MM, Schmidt N, Tchetgen Tchetgen E. The Moving to Opportunity experiment and adolescent psychological distress: Were effects mediated by neighborhood characteristics? *46th Annual Society for Epidemiology Research Meeting*, Boston, MA. June, 20, 2013.
13. **Nguyen QC**, Schmidt N, Tchetgen Tchetgen E, Glymour MM, Almeida J, and Osypuk TL. Effects of a housing mobility experiment on neighborhood quality. *46th Annual Society for Epidemiology Research Meeting*, Boston, MA. June, 19, 2013.
14. Acevedo-Garcia D, Osypuk TL, Joshi P, Geronimo K, Dillman K, Schmidt N, **Nguyen QC**. Implications of the MTO health findings for housing policy research. *5th National Conference on Assisted Housing Mobility*, Washington DC. June 12, 2012.
15. **Nguyen QC**, Schmidt N, Glymour MM, Rehkopf, Osypuk, TL. Did adolescents in higher SES families differentially benefit from a housing mobility intervention? *45th Annual Society for Epidemiology Research Meeting*, Minneapolis, MN. June 28, 2012.
16. Whitsel EA, **Nguyen QC**, Tabor JW, Cuthbertson CC, Wener MH, Potter AJ, Ray RR, Killeya-Jones L, Fitzgerald CS, Hussey JM, Halpern CT, Harris KM. Dried Blood Spot-Based Hemoglobin A1c, Fasting Glucose, and Diabetes Prevalence in a Nationally Representative Population of Young U.S. Adults Aged 24-32 Years: Add Health, Wave IV. *Joint Conference - 52th Cardiovascular Disease Epidemiology and Prevention -and - Nutrition, Physical Activity and Metabolism (EPI/NPAM) Conference*, San Diego, CA. March 15, 2012.
17. **Nguyen QC**, Halpern CT, Siddiqi A, Marshall SW, Villaveces A, Hussey JM, Poole C. Perceived Survival Expectations: Potential Effects on Socioeconomic Status in Young Adulthood. *3rd North American Congress of Epidemiology*, Montreal, Quebec, Canada, June 21-24, 2011.
18. Keating DP, Siddiqi A, **Nguyen QC**. Social Disparities and National Academic Performance of Adolescents. 2011 *Society for Research in Child Development (SRCD) Biennial Meeting*, Montreal, Quebec, Canada, March 31 - April 2, 2011.
19. **Nguyen QC**, Tabor JW, Schuft C, Hussey JM, Halpern CT, Harris KM, Entzel PP, Lee JR, Whitsel EA. Accuracy and Reliability of Blood Pressure in a Nationally Representative Population-Based Field Study: The National Longitudinal Study of Adolescent Health (Add Health), Wave IV. *Joint Conference - 50th Cardiovascular Disease Epidemiology and Prevention -and - Nutrition, Physical Activity and Metabolism*, San Francisco, CA. March 4, 2010.
19. **Nguyen QC**, Waddell EN, Kerker BD, Huston SL, Thomas JC, Weathers AC, Gwynn RC. Inequities among the Insured in Awareness, Treatment and Control of Hypertension, Hypercholesterolemia, and Diabetes: Findings from the 2004 NYC HANES. *American Public Health Association (APHA) Annual Meeting*, Philadelphia, PA. November 9, 2009.
20. Siddiqi A, **Nguyen QC**. Cross-national Variation of Income-based Disparities in Obesity: United States vs. Canada. *Society for Epidemiological Research (SER) Annual Meeting*, Anaheim, California, June 24, 2009.

21. **Nguyen QC.** Racial/Ethnic Group Differences in Child Maltreatment Outcomes. *Spotlight on Student Research*. March 26, 2009. Chapel Hill, NC
22. Hussey JM, **Nguyen QC.** Racial/ethnic group differences in child maltreatment outcomes. *30th Annual Minority Health Conference*, Chapel Hill, NC, February 27, 2009.
23. **Nguyen QC,** Spence NJ, Hussey JM. Pathways Linking Child Maltreatment to Adolescent Intimate Partner Violence. *Society for Adolescent Health and Medicine (SAHM) Annual Meeting*, Greensboro, NC, March 27, 2008.

**II.D. Sponsored Research and Programs – Administered by the Office of Research Administration (ORA)**

➤ **D.2 Funded Grants**

**R01MD016037, Co-PI: Quynh Nguyen**

Period: 09/24/2021 – 06/30/2026

Rosie the Chatbot: Leveraging Automated and Personalized Health Information Communication to Reduce Disparities in Maternal and Child Health

Role: Co-Principal Investigator

Team: Drs. Elizabeth Aparicio, Jordan Boyd-Garber, Xin He

Total costs: \$2,974,865

**Administrative supplement: 3R01MD016037-03S1, Co-PI: Quynh Nguyen**

Period: 09/01/2023 – 06/30/2024

Rosie the Chatbot: Leveraging Automated and Personalized Health Information Communication to Reduce Disparities in Maternal and Child Health

Role: Co-Principal Investigator

Team: Drs. Elizabeth Aparicio, Jordan Boyd-Garber, Xin He

Total costs: \$221,898

**R01MD015716, PI: Thu Nguyen**

Period: 02/17/2021– 12/31/2025

Risk and strength: determining the impact of area-level racial bias and protective factors on birth outcomes

Role: Co-Investigator

Total costs: \$2,353,476

(Impact score: 20; percentile 5)

**R01LM012849, PI: Quynh Nguyen**

Period: 08/01/2018 – 07/31/2023

Neighborhood Looking Glass: 360 Degree Automated Characterization of the Built Environment for Neighborhood Effects Research

Role: Principal Investigator

Co-investigators: Dr. Tolga Tasdizen, Kim Brunisholz

Total costs: \$1,344,358

(Funded on first submission, impact score: 18; percentile 3)

**Trans-NIH 5K01ES025433, PI: Quynh Nguyen**

Period: 09/29/2014 – 06/30/2019

HashtagHealth: A Social Media Big Data Resource for Neighborhood Effects Research

Role: Principal Investigator

Total costs: \$779,090

(Funded on first submission, impact score: 20)

**Administrative supplement: 3K01ES025433-03S1, PI: Quynh Nguyen**

Period: 09/01/2016 – 06/30/2017

HashtagHealth: A Social Media Big Data Resource for Neighborhood Effects Research

Role: Principal Investigator

Total costs: \$36,936

**NIH/NICHD 1R21HD066312-01, PI: Theresa Osypuk**

Period: 08/2011 – 08/2013

Effects of a neighborhood experiment on adolescent female psychological distress

Role: Data analyst

**NIH/NICHD P01-HD31921, PI: Kathleen Mullan Harris**

Period 08/2010 – 05/2011

Title: National Longitudinal Study of Adolescent Health

Role: Data analyst

**NIH/NICHD R01-HD058535, PI: Jon Hussey**

Period 05/2010 – 08/2010

Title: Emerging Disparities in chronic disease risk among young adults

Role: Data analyst

➤ **D.2 Other**

1. **Oracle for Research Cloud Credits**

Period: 05/24/2021 – 11/24/2022

Determining area-level racial bias and its influence on health outcomes"

Role: Principal Investigator

Total direct costs: \$32,501

1. **Department of Homeland Security Task Order (PI: Amy Pate from UMD START)**

Period: 09/01/2020 – 01/05/2022

Monitor and Mitigate the Impact of COVID-19 on Public Safety, Advance Situational Awareness Capabilities in Support of Targeted Violence and Threat Prevention in the US

Role: Leading community-level COVID-19 risk assessment (16% FTE)

Total costs: \$3,199,970

2. **CCREQ-2016-03-00003, NIH Cloud Credits, PI: Quynh Nguyen**

Period: 09/08/2017 – 02/28/2019

HashtagHealth: A Social Media Big Data Resource for Neighborhood Effects Research

Role: Principal Investigator

Total direct costs: \$38,160

**II.E. Research Fellowships, Prizes and Awards**

2019	Nomination, Presidential Early Career Award for Scientists and Engineers (see <a href="https://www.nlm.nih.gov/ep/PECASE.html">https://www.nlm.nih.gov/ep/PECASE.html</a> )
2018	Research Award, University of Maryland School of Public Health
2014-2016	Vice President's Clinical & Translational Research Scholar Program, University of Utah School of Medicine
2012	Delta Omega Honorary Society in Public Health, UNC School of Public Health
2009	Travel Award, UNC School of Public Health
2006-2007	Merit Assistantship, UNC School of Public Health

2006-2007 Culture in Society Fellowship, University of North Carolina at Chapel Hill  
 2000-2001 Academic Senate Scholarship, Charles and Ernestine Williams Memorial Scholarship, Tony Fortes Scholarship, Olympia Vanacore Memorial Scholarship, and AFFIRM Program Continuing Student Scholarship

### **III. Teaching, Extension, Mentoring, and Advising**

#### **III.A Courses Taught (n=147 students taught 2018-2023)**

2019-Present EPIB399 Independent Study (Undergraduate level)  
 Enrollment: n=1 (Fall 2019) n=1 (Fall 2021)

2018-Present EPIB 633 Health Survey Design and Analysis (Graduate level, 3 credits)  
 n=21 (Spring 2018), n=6 (Spring 2019), n=10 (Fall 2019), n=14 (Fall 2020)  
 N=17 (Fall 2021) n=15 (Fall 2022)

2019-Present EPIB786-0212 Master's Capstone Project (Graduate level)  
 n=2 (2019), n=3 (2020), n=6 (2021), n=3 (Spring 2022), n=2 (Spring 2023)

2018-Present EPIB798 Independent Study (Graduate level)  
 n=1 (2018), n=2 (2019), n=2 (2020), n=1 (2021), n=3 (2022), n=2 (2023)

2018-Present EPIB799-0212 Master's Thesis Research (Graduate level)  
 n=1 (Fall 2018), n=1 (Spring 2019)

2019-Present EPIB898-0106 Pre-Candidacy Research (Graduate level)  
 n=1 (Winter 2019), n=1 (Spring 2020), n=1 (Fall 2020)

2019-Present EPIB899 Doctoral Dissertation (Graduate level)  
 n=4 (2021), n=4 (2022), n=3 (2023)

#### **University of Utah courses**

2015-2017 HEDU 6700 Epidemiology in Community Health Practice  
 n=13 (Spring 2015), n=20 (Spring 2016), n=5 (Spring 2017), n=8 (Summer 2017)

2014-2017 HEDU 6920 Independent Study (Master's student)  
 n=1 (Spring 2014), n=1 (Spring 2016), n=1 (Summer 2016), n=3 (Spring 2017)

2014-2017 HEDU 7920 Independent Study (PhD student)  
 n=3 (Spring 2014), n=1 (Fall 2015), n=1 (Spring 2017)

2017 HEDU 6990 Master's Practicum  
 n=2 (Summer 2016), n=3 (Spring 2017)

2014-2017 HEDU 7970 Dissertation  
 n=1 (Fall 2015), n=1 (Spring 2016), n=2 (Fall 2016)

#### **Teaching innovations**

##### **III.B.5 Instructional workshops and seminars established**

1. Public Health Boot Camp: Foodborne Illness and Public Health Surveillance  
 2-day workshop for the Utah Department of Health  
 June 2018  
 Role: I developed and presented one day's material on foodborne illness.



2. Research Design Seminar  
8 two-hour classes  
Department of Health Promotion and Education, University of Utah  
Spring 2014  
Role: I developed and gave the lectures.
3. Introduction to data management with SAS  
Department of Health Promotion and Education, University of Utah  
November 6, 2013; 2:00-3:00pm  
Role: I developed and gave the workshop.
4. Introduction to data management and analysis with SPSS. Department of Health Promotion and Education, University of Utah.  
December 4, 2013; 2:00-4:00pm  
Role: I developed and co-taught the workshop with Vivien Chen (statistical analyst).

### **Course or curriculum development**

#### University of Maryland: EPIB 633 Health Survey Design and Analysis

Created graduate level course that would allow students to 1) achieve competence in designing and implementing health surveys based on scientifically sound epidemiologic research methods and 2) develop and investigate a research question that can be answered with survey data using SAS software.

#### University of Utah: HEDU 6700 Epidemiology in Community Health Practice

Created graduate level course that provides an overview of epidemiology, its practical application to public health via the examination of the distribution and determinants of chronic and communicable diseases. The primary goal for this course is to acquaint students with fundamental concepts in study design and how to apply these concepts for evaluating interventions and implementing research studies.

### **III.C. Advising: Research or Clinical**

#### **III.C.1 Undergraduates**

- 2017-2019 **UMD STAR summer program mentee**, Ryan Trevino, worked on "*Pride, Love & Twitter Rants: combining machine learning and qualitative techniques to understand what our tweets reveal about race in the US.*"
- 2017-Present **Independent study student**, Lynn Phan, worked on examining manually labeling racial attitudes and bias via geotagged tweets and co-wrote "*Pride, Love & Twitter Rants: combining machine learning and qualitative techniques to understand what our tweets reveal about race in the US.*" After the independent study, she continued to volunteer and has coauthored several papers.
- 2019-Present **Volunteer research assistant**, Erica Hsu, is working on a variety of research tasks including data collection, generating of training data for computer models, writing and editing manuscripts
- 2019-Present **Volunteer research assistant**, Leah Nguyen, is working on a variety of research tasks including data collection, generating of training data for computer models, writing and editing manuscripts
- 2019-Present **Volunteer research assistant**, Isha Yardi, is working on a variety of research tasks including data collection, generating of training data for computer models, writing and editing manuscripts

2020-2021 **Volunteer research assistant**, Amanda Liu, is working on “*Built environment predictors of coronavirus cases.*”

2019-Present **Mentor & Judge**, The Long Nguyen and Kimmy Duong Scholarship Program

### **III.C.2 Master’s**

#### UMD Master’s students in the Department of Epidemiology and Biostatistics

- 2017-2019 **Master’s Capstone Project (MPH), Chair**, Anna Long, MPH “*Analysis of the Relationship between Campylobacter Clinical Method of Case Detection and Demographics and Food Exposures of Cases.*”
- 2017-2019 **Master’s Thesis (MPH), Chair**, Samantha Ammons, MPH  
“*Privilege and Infant Mortality: Using the Index of Concentration at the Extremes to Examine Infant Mortality in the United States.*”
- 2017-2019 **Master’s Capstone Project (MPH), Chair**, Maheen Humayun, MPH  
“*Investigating the effect of prenatal exposure to Gonorrhea, Chlamydia and Syphilis on pregnancy/birth outcomes*”
- 2017-2020 **Master’s Capstone Project (MPH), Chair**, Sammrawit Girma, MPH  
“*Intimate Partner Violence and Depression among Pregnant Women*”
- 2017-2020 **Master’s Capstone Project (MPH), Chair**, Tara Askew, MPH  
“*Gut Microbiome Changes and Travelers Diarrhea.*”
- 2017-2019 **Master’s Capstone Project (MPH), Committee Member**, Jee Chong, MPH “*Does Height Matter for Men in the United States?*”
- 2017-2019 **Master’s Thesis (MPH), Committee Member**, Marwa F. Al-Nassir, MPH  
“*Does Patient-Centered Communication and Trust in Physician Information Vary by Cancer Survivorship Status? An Analysis of the Health Information National Trends Survey (HINTS) 2017.*”
- 2017-2019 **Master’s Thesis (MPH), Committee Member**, Oluwasanmi Oladapo Adenaiye, MPH  
“*Tracking acute respiratory infections in a college resident community.*”
- 2017-2020 **Master’s Capstone Project (MPH), Committee Member**, Joslynn Watkins, MPH,  
“*Post-Traumatic Stress Disorder and Cardiovascular Disease Among Veteran Women*”
- 2018-2020 **Master’s Capstone Project (MPH), Committee Member**, John Jee, MPH  
“*Hookah Use Among Young Adults in the United States John Yee*”
- 2019-2020 **Master’s Capstone Project (MPH), Committee Member**, Katarzyna Borkowski, MPH  
“*Job Satisfaction of Registered Nurses in the United States: An Analysis of the 2018 National Sample Survey of Registered Nurses*”
- 2017-2020 **Master’s Capstone Project (MPH), Committee Member**, Rachael Falade, MPH  
“*African American Women: Perceptions of Discrimination During Child Birth*”
- 2020-2021 **Master’s Capstone Project (MPH), Chair**, Kyle Garagusi, MPH  
“*Association Between Adverse Childhood Experiences and Substance Use and Misuse in Adults*”
- 2020-2021 **Master’s Capstone Project (MPH), Chair**, Lindsey Wilson, MPH  
“*Opioid Misuse and Military Status: Findings from the National Survey on Drug Use and Health*”

- 2020-2021 **Master's Capstone Project (MPH), Chair**, Mireim Alibrahim, MPH  
*"Association Between E-Cigarette Use and Asthma Status"*
- 2019-2021 **Master's Capstone Project (MPH), Committee Member**, Glory Owe, MPH  
*"Understanding the impact of racial disparity in Breast Cancer Survival Rates: monitoring the effect of geographical location, site morphology, and income"*
- 2020-2022 **Master's Capstone Project (MPH), Chair**, Daniela Canedo, MPH  
*"Association Between Obesity and Adverse Maternal Outcomes During Labor"*
- 2019-2021 **Master's Capstone Project (MPH), Chair**, Erica Luciana, MPH  
*"Understanding the impact of racial disparity in Breast Cancer Survival Rates: monitoring the effect of geographical location, site morphology, and income"*
- 2021-2023 **Master's Capstone Project (MPH), Chair**, Emma Kniola, MPH  
*"E-Cigarette Usage and Depression: Findings from the 2020 Behavioral Risk Factor Surveillance System"*
- 2021-2023 **Master's Capstone Project (MPH), Chair**, Hana Tekle, MPH  
*"Understanding the Role of Endometriosis and Fibroids Burden on the Prevalence of Low Income Status: NHANES 2005-2006"*

University of Utah master's students in the Department of Health Promotion and Education

- 2013-2015 **Master's Capstone Project (MPH), Chair**, Meng, Hsien-wen, MPH  
*"Substance abuse prevention for refugee adolescents"*
- 2013-2015 **Master's Capstone Project (MPH), Chair**, Pokharel, Manu, MPH  
*"The impact of targeted narratives: model admiration and narrative memorability"*
- 2013-2015 **Master's Capstone Project (MPH), Chair**, Gunter, Jessica and Stebbing, Melissa, MPH  
*"Eat healthy-be active community workshop series program evaluation"*
- 2013-2015 **Master's Capstone Project (MPH), Committee Member**, Martin, Michelle, MPH  
*"Obesity beliefs and attitudes"*
- 2014-2016 **Master's Capstone Project (MPH), Committee Member**, Okang, Ester, MPH  
*"The influence of parents and peers on adolescents' body image"*
- 2014-2016 **Master's Capstone Project (MPH), Chair**, Vikers, Tiffany, MPH  
*"The influence of social support on the well-being of parents of special needs children"*
- 2014-2016 **Master's Capstone Project (MPH), Chair**, Portwood, Katherine, MPH  
*"Short health education webinars for college students"*
- 2014-2016 **Master's Capstone Project (MPH), Chair**, Templeton, Jenna, MPH  
*"Gardening for health: an educational program for individuals with pre-diabetes"*

**Doctoral**

UMD doctoral students in the Department of Epidemiology and Biostatistics

- 2017-2019 **Doctoral dissertation (PhD), Chair**, Dina Huang  
*"Relationships of social and physical environmental factors with cardiometabolic outcomes."* During the doctoral program, Dina worked as a graduate research assistant in my lab for two years. In 2019, Dina was awarded the Gold Research Award and Dean's

Scholar Award. She is currently working as a Statistical Analyst at Abbott Laboratories in California.

- 2017-2022 **Doctoral dissertation (PhD), Committee member**, Yuruo Li  
*“Social networks and HIV infection”*
- 2018-2022 **Doctoral dissertation (PhD), Chair**, Jessica Keralis  
Awarded the Flagship Fellowship from the UMD Graduate School (1 of 60 fellows)  
*“HIV criminalization laws and HIV infection rates”*
- 2018-2023 **Doctoral dissertation (PhD), Chair**, Weijun Yu  
Awarded the COMBINE (Computation and Mathematics for Biological Networks) research trainee fellowship
- 2021-2022 **Doctoral dissertation (PhD), Committee member**, Jacqueline Reuben  
*“Intersectional stigma, self-efficacy, depression, and resilience: A Rasch Analysis”*
- 2021-2022 **Doctoral dissertation (PhD), Chair**, Allison Hanley  
*“Estimating the timing and prevalence of events along the pathway to identification of autism in the United States, 2016-2018 ”*
- 2022-2023 **Doctoral dissertation (PhD), Committee member**, Jianyu Lai  
*“Exhaled breath Aerosol Transmission of Acute Respiratory Infections”*
- 2020-Present **Doctoral dissertation (PhD), Chair**, Lauren Kauffman,
- 2021-Present **Doctoral dissertation (PhD), Chair**, Suriya Karim, Dissertation chair
- 2021-Present **Doctoral dissertation (PhD), Committee member**, Jeffrey Dalhoff,

UMD doctoral students in outside departments

- 2022-Present Hangqing Ruan, Department of Sociology Dean’s representative
- 2022-Present Gabriela Barber, Family Science, Dean’s representative
- 2021-2022 Michelle Jasczynski, Behavioral and Community Health, Dean’s representative
- 2021-2022 Nekabari Sigalo, College of Information Studies, Dean's representative, Advisor

University of Utah doctoral students

- 2015-2018 **Doctoral dissertation (PhD), Chair**, Meng, Hsien-wen  
*“Factors influencing mental health care utilization among refugees”*  
Hsien-wen worked as a graduate research assistant in my lab for four years. After graduation she worked at a nonprofit organization serving individuals with intellectual disabilities in Oregon.
- 2013-2016 **Doctoral dissertation (PhD), Committee member**, Ditolla, Michael  
*“Peace officer resiliency in the aftermath of the use of deadly force”*  
Department of Health Promotion and Education, University of Utah. After graduating, Mike worked as Associate Instructor, Dept of Health Promotion and Education, University of Utah.
- 2013-2016 **Doctoral dissertation (PhD), Committee member**, Ha, Trinh  
*“Socio-relational resources sociology and health in China and the United States”*  
Department of Sociology, University of Utah. After graduating, Ha worked as postdoctoral scholar at the University of Texas Medical Branch.

- 2013-2016 **Doctoral dissertation (PhD), Committee member**, Tabler, Jennifer,  
*“The influence of eating disorders on marriage and fertility: a genetically informed study”*  
 Department of Sociology, University of Utah. After graduating, Jennifer worked as an Assistant Professor at the University of Texas Rio Grande Valley.
- 2013-2015 **Doctoral dissertation (PhD), Committee member**, Stuart, Allison,  
*“Positive approaches to health education, with an emphasis on the health at every size”*  
 Department of Health Promotion and Education, University of Utah. After graduating, Allison worked as Senior Research Associate at Leavitt Partners.
- 2013-2015 **Doctoral dissertation (PhD), Committee member**, Blair, Bradden  
*“Online social networks for rare diseases”*  
 Department of Health Promotion and Education, University of Utah. After graduating, Bradden worked as Assistant Professor of Operations and Information Systems at the University of Utah School of Business. He went on to attain full professor status and served as the Director of the MS Information Systems and MS in Business Analytics programs.

### **III.D. Advising: Other than Directed Research**

#### **High School**

- 2019-2020 **Internship advisor**, Prayag Gordy, high school intern in my lab, worked on *“Geotagged Tweets as a Measure of Sexism for Predicting County-Level Health Outcomes.”*
- 2020-2021 **Internship advisor**, Carlos Hernandez, high school intern in my lab, worked on *“Neighborhood Looking Glass”*
- 2020-2021 **Research advisor**, Krishay Mukhija, high school student volunteer who worked on a variety of research tasks including generating chatbot responses, labeling tweets, and literature reviews.
- 2020-2021 **Research advisor**, Anne Antonietti, high school intern in my lab, worked on writing a titled, *“Using Convolutional Neural Networks to Derive Neighborhood Built Environments from Google Street View Images and Examine Their Associations with Health Outcomes”*
- 2022-present **Research advisor**, Nataly Delcid is working on a variety of research tasks including writing question-and-answer pairs for Rosie’s knowledgebase, developing the daily curriculum, and Rosie community demonstrations.

### **III.F.3 Guest lectures**

1. **Nguyen QC.** Harnessing big data for health and social research. Boston University, March 11, 2021
2. **Nguyen QC.** Twitter-derived sentiment towards minorities, Guest lecture in EPIB 622: Social Determinants of Health. University of Maryland, College Park, November 21, 2019
3. **Nguyen QC.** Twitter-derived measures of sentiment towards minorities and associations with adverse birth outcomes in the United States, 2015. Guest lecture for Community Assessment through Qualitative Methods. Department of Behavioral and Community. University of Maryland School of Public Health. College Park, MD. May 1, 2018.
4. **Nguyen QC.** Population-based health patterns. Guest lecture for Epidemiology for Public Health Practice. Department of Epidemiology and Biostatistics. University of Maryland School of Public Health. College Park, MD. October 26, 2017.

5. **Nguyen QC.** The intersection of public health, data science and social science. Guest lecture for Sociology of Health. Department of Sociology, University of Utah. Salt Lake City, UT. March 29, 2017
6. **Nguyen QC.** National patterns in adolescent and young adult health. Guest lecture for Sociology of Health. Department of Sociology, University of Utah. Salt Lake City, UT. April 3, 2014.

#### **IV. Service and Outreach**

##### **IV.A. Editorships, Editorial Boards, and Reviewing Activities**

###### **IV.A.1 Reviewing Activities for Journals and Presses**

2022-Present Associate Editor, *Journal of Epidemiology and Community Health*  
 2019-Present Editor of Special Big Data Issue, *International Journal of Environmental Research and Public Health*  
 2019-Present Reviewer, *British Journal of Sports Medicine*  
 2018-Present Reviewer, *Journal of Exposure Science and Environmental Epidemiology*  
 2018-Present Reviewer, *Journal for Medical Internet Research*  
 2018-Present Reviewer, *Health and Place*  
 2018-Present Reviewer, *Sage Open*  
 2018-Present Reviewer, *Geoforum*  
 2018-Present Reviewer, *Urban Studies*  
 2018-Present Reviewer, *Journal of Urban Health*  
 2017-Present Reviewer, *American Journal of Preventive Medicine*  
 2017-Present Reviewer, *Journal of Housing and the Built Environment*  
 2015-Present Reviewer, *BMC Public Health*  
 2015-Present Reviewer, *Housing and Policy Debate*  
 2015-Present Reviewer, *Journal of Adolescent Health*  
 2015-Present Reviewer, *American Journal of Epidemiology*  
 2014-Present Reviewer, *Diabetes Care*  
 2014-Present Reviewer, *PLOS ONE*  
 2013-Present Reviewer, *Ethnicity and Health*  
 2012-Present Reviewer, *Social Science & Medicine*  
 2010-Present Reviewer, *Preventing Chronic Disease*

###### **IV.A.2 Reviewing Activities for Agencies and Foundations**

07/2023 Resource Grants to Reduce Health Disparities (G08)  
 02/2023 NIH Review panel for NCATS CTSA Specialized Innovation Program Grants Review (RC2 Mechanism)  
 06/2022 NIH Review panel for Social Sciences and Population Studies B Study Section Population Sciences and Epidemiology Integrated Review Group  
 12/2022 NIH Review panel for RG1 HSS-G(40)P meeting  
 10/2019 NIH Review panel for NCI PAR [2020/01 ZRG1 RPHB-R (56) R] Special Emphasis Panel  
 03/2018 NIH Review panel for PAR 15-346, Time-Sensitive Obesity Policy and Program Evaluation

##### **IV.B. Committees, Professional & Campus Service**

###### **IV.B.1. Campus Service- Department**

UMD Department of Epidemiology and Biostatistics  
 2023-present Search committee chair  
 2022-present IRB Liaison  
 2022-present EPIB Research representative

2022-2023	EPIB Search Committee for Assistant Professor of Biostatistics
2023	Rachel Goldstein 3-year review Committee
2019-Present	Chair, Graduate Curriculum Committee
2019-2022	Chair, Doctoral Comprehensive Exam Committee
2019-Present	Member, Executive Committee
2017-Present	Member, Graduate Admissions Committee

University of Utah Department of Health Promotion and Education  
 2013-2017 Committee member, Computer/Technology Committee  
 2014-2015 Committee member, Faculty Search Committee

#### **IV.B.2. Campus Service- College**

University of Maryland, School of Public Health  
 2023 Maryland Day Volunteer  
 2022 EPIB departmental representative at UMD graduation  
 2017-2022 UM ADAPT/STAR summer mentor  
 2019 Public Health Research @ Maryland Day Poster Judge

#### **IV.B.3. Campus Service- University**

2023	University of Maryland Senator
2019	Panelist, Diversity Research Showcase hosted by UMD libraries
2019	Panelist, Week of Women hosted Alpha Kappa Delta Phi International Sorority
2016-2016	University of Utah, KL2 Candidate Applicant Review Group

#### **IV.E. Media Contributions**

Pocket-Sized Support for New Parents (video produced by *UMD Enterprise*), February 29, 2024

An Unlikely Tool to Predict Household Energy Costs on Large Scale, *Maryland Today*. February 28, 2024

‘Rosie, ¿Tiene Fiebre Mi Bebé? *Maryland Today*. September 28, 2023.

Can Computer Vision Models Help Us Picture Better Health Outcomes? *Musings from the Mezzanine*. February 15, 2023

To Build a Healthier City, Begin at the Sidewalk. *City Lab*. February 21, 2023.

Using Big Data for Local Decisions: Which Demolitions Reduce Gun Violence the Most? *Bloomberg Harvard City Leadership Initiative*. February 7, 2023.

NIH Grant Supports Development of Chatbot to Help New Moms, Babies *Maryland Today*. October 15, 2021

Chris Carroll. Epidemiologist Takes Country’s Temperature in 280 Characters. *Terp Magazine* (Fall 2020).

Steven Roy Goodman. Big data. *Higher Education Today*. July 9, 2020.

Longo de Frietas C. UMD research team finds link between racism and poor community health — by using Twitter. *Diamondback*. March 24, 2020.

Kelly Blake. Hate, Health and Social Media Researchers Find Racist Tweets Correlate to Cardiovascular Illness for Both Black, White People. *Maryland Today*. March 2, 2020.

Twitter Data Shows How We Exercise Based on Region and Sex. *UMD School of Public Health News*. September 3, 2019.

Dr. Quynh C. Nguyen awarded \$1.5 million NIH grant to use "big data" to study neighborhood impacts on health. *UMD School of Public Health News*. August, 6, 2018.

Audrey Decker. What you tweet corresponds with how healthy you are, a UMD study shows. *Diamondback*. March 28, 2018.

Elaine Nsoesie. What can Twitter and Facebook tell us about obesity in the United States? *Quartz*. March 5, 2018.

Using "big data" to understand neighborhood impact on health. *UMD School of Public Health News*. January 12, 2018.

Dr. Quynh Nguyen uses Twitter to predict county health outcomes. *UMD School of Public Health News*. September 26, 2017.

Your Tweets Could Say a Lot About How Early You'll Die. Only one in five tweets express happiness, a new study found. *Vice*. September 21, 2017

Food environments displayed on social media are associated with state-level health outcomes. *National Institutes of Health's Office of Behavioral and Social Sciences Research Spotlight*. September 13, 2017

Rose Maura Lorre. Can You Guess What's the Most Tweeted Food in America? Is Twitter the new Fitbit? *Bravo TV*. October 19, 2016.

Kathryn Doyle. What do tweets say about our health? *Reuters*. October 18, 2016.

Dan Rascon. Utah Twitter likes #coffee, #beer, #pizza -- just like everywhere else. *KUTV*. October 17, 2016

Maggie Fox. Coffee and Beer Win the Twitter Food Fight. *NBC News*. October 17, 2016.

Coffee and Beer Top Food/Beverage Tweets. *U.S. News and World Report*. October 18, 2016.

Mandy Oaklander. Here Are the Most Popular Foods on Twitter. *Time*. October 17, 2016.

1-in-5 adults ages 24-32 have hypertension. *United Press International*. May 26, 2011.

Study: 1 in 5 Young Adults Suffers from Hypertension. *PBS NewsHour*. May 25, 2011.

Matt Sloane. 1 in 5 young adults has high blood pressure. *CNN*. May 25, 2011