Curriculum Vitae

I. Personal Information

Last Name: Nguyen
First Name: Quynh
Middle Name: Camthi

Contact Information:
Department of Epidemiology and Biostatistics
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I.B. Academic Appointments at UMD

08/2017-present **Assistant Professor**, Department of Epidemiology and Biostatistics, University of Maryland School of Public Health, College Park, MD

I.C. Other Employment

08/2017-present **Adjunct Assistant Professor**, Department of Health, Kinesiology and Recreation University of Utah College of Health, Salt Lake City, UT

08/2013-08/2017 **Assistant Professor**, Department of Health, Kinesiology and Recreation, University of Utah College of Health, Salt Lake City, UT

08/2011-06/2013 **Data analyst/statistical programmer**, Institute on Urban Health Research & Practice, Northeastern University, Boston, MA

08/2010-06/2011 **Research assistant**, National Longitudinal Study of Adolescent Health (Add Health), University of North Carolina at Chapel Hill, NC

01/2010-05/2010 **Teaching assistant**, Department of Epidemiology, UNC School of Public Health

05/2008-12/2010 **Research assistant**, Department of Health Behavior and Education, UNC School of Public Health

09/2006-08/2010 **Research assistant**, Department of Maternal and Child Health, UNC School of Public Health

09/2007-05/2008 **Graduate assistant**, North Carolina Center for Health Preparedness

05/2007-08/2007 **Epi Scholar**, New York City Department of Health and Mental Hygiene

09/2005-06/2006 **Member**, AmeriCorps, BUILD (educational non-profit serving at-risk high school students in Menlo Park, CA)

I.D.   Educational Background

2011   **Ph.D. Epidemiology (Concentration: Social Epidemiology)**, University of North Carolina at Chapel Hill, Gillings School of Global Public Health

2009   **M.S.P.H. Epidemiology**, UNC Gillings School of Global Public Health

2005   **B.A. Human Biology** (Concentration: Social stratification), Stanford University

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

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, New York, Melbourne, Madrid, Cape Town, Singapore, São Paulo, Delhi, Mexico City

➢ **A.2 Other (Guidelines)**

Whitsel EA, Tabor JW, **Nguyen QC**, Cuthbertson CC, Wener MH, Potter AJ, KilleyaJones LA, Harris KM. (2012). Add Health Wave IV Documentation: Measures of Glucose Homeostasis. http://www.cpc.unc.edu/projects/addhealth/data/guides/

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.

II.B.   Refereed Journals

Refereed Journal Articles-Published

1. Phan L, Yu W, Keralis J, Mukhija K, Dwivedi P, Brunisholz K, Javanmardi M, Tasdizen T, **Nguyen QC** (In Press). 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*

2. 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

3. 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 and Place, 63 (102331). https://www.sciencedirect.com/science/article/abs/pii/S1353829219312559

4. 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. https://bmcpublichealth.biomedcentral.com/articles/10.1186/s12889-020-8300-1

5. 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. https://link.springer.com/article/10.1007/s40615-020-00712-y?shared-article-renderer

6. 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. https://ieeexplore.ieee.org/abstract/document/8933431

7. 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. https://www.sciencedirect.com/science/article/pii/S2212420919302419

8. 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. https://bmjopensem.bmj.com/content/5/1/e000567.info

9. Huang Y, Huang D, **Nguyen QC** (2019). Census Tract Food Tweets and Chronic Disease Outcomes in the US, 2015-2018. *Journal of Environmental Research and Public Health*. 18: 16(10). DOI:10.3390/ijerph16101766. https://www.mdpi.com/1660-4601/16/6/975

10. Dwivedi P, Huang D, Yu W, **Nguyen QC**. Predicting Geographical Variation in Health-Related Quality of Life (2019). *Preventive Medicine.* 126. https://www.sciencedirect.com/science/article/pii/S009174351930204X?via%3Dihub

11. Nguyen TT, Criss S, Allen AM, Glymour M, Phan L, Treveino 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). DOI:10.3390/ijerph16101766. https://www.mdpi.com/1660-4601/16/10/1766

12. **Nguyen QC**, Khanna S, Dwivedi P, Huang D, Huang Y, Tasdizen Tolga, 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. https://www.sciencedirect.com/science/article/pii/S2211335519300440

13. Litchman M**,** Wawrzynski SE, Woodruff WS, Arrington J, **Nguyen QC**, Brown A, Gee P (2018). Continuous Glucose Monitoring in the Real-World: Photosurveillance of #Dexcom on Instagram. JMIR Public Health Surveillance. https://publichealth.jmir.org/2019/2/e11024/

14. **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. http://jech.bmj.com/content/early/2018/01/10/jech-2017-209456

15. 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.

16. **Nguyen QC**, Brunisholz K, Yu W, McCullough Matt, 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). https://www.nature.com/articles/s41598-017-16573-1

17. Meng H, Kath S, Li D, **Nguyen QC** (2017). National Substance Use Patterns on Twitter. *PLOS ONE.* https://doi.org/10.1371/journal.pone.0187691

18. 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. PMID: 28528170. https://www.ncbi.nlm.nih.gov/pubmed/28528170

19. **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. *http://ajph.aphapublications.org/doi/abs/10.2105/AJPH.2017.303993*

20. **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. *http://www.sciencedirect.com/science/article/pii/S0033350617301300*

21. **Nguyen QC**, Acevedo-Garcia D, Schmidt NM, Osypuk TL (2016). The effects of a housing mobility experiment on participants' residential environments. *Housing Policy and Debate*. http://www.tandfonline.com/doi/pdf/10.1080/10511482.2016.1245210

22. **Nguyen QC**, Li D, Meng H, Kath S, Nsoesie E, Li F, Wen M (2016). Building a National neighborhood dataset from geotagged Twitter data. *JMIR Public Health and Surveillance*. 2(2), e158. https://publichealth.jmir.org/2016/2/e158/

23. **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 http://authors.elsevier.com/a/1TIjyWfhttp://authors.elsevier.com/a/1TIjyWf-Aye5IAye5I

24. **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*http://ajph.aphapublications.org/doi/abs/10.2105/AJPH.2015.303006?journalCode=ajph*

25.   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. http://www.ncbi.nlm.nih.gov/pubmed/26628424

26.   Siddiqi A, Brown R, **Nguyen QC,** Loopstra R, Kawchi I (2015). Cross-national comparison of socioeconomic inequalities in obesity in the United States and Canada. *International Journal for Equity in Health.* 14:116 http://www.equityhealthj.com/content/pdf/s12939-015-0251-2.pdf

27.   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 http://www.demographichttp://www.demographic-research.org/volumes/vol32/39/research.org/volumes/vol32/39/

28.   **Nguyen QC**, Osypuk TL, Schmidt NM, Glymour MM, Tchetgen 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. *http://aje.oxfordjournals.org/content/181/5/349.abstract*

29.   **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 *http://www.annalsofepidemiology.org/article/S1047*http://www.annalsofepidemiology.org/article/S1047-2797(14)00415-3/abstract*2797(14)00415-3/abstract*

30.   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*. doi: 10.1016/j.amepre.2014.08.004. [Epub ahead of print] http://www.ajpmonline.org/article/S0749-3797(14)00456-5/abstract

31.   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. http://www.sciencedirect.com/science/article/pii/S0277953614001245*

32.   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. http://onlinelibrary.wiley.com/doi/10.1002/jcop.21594/abstract

33.   **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.*

http://www.sciencedirect.com/science/article/pii/S1353829213000713

34. 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 http://www.palgrave-journals.com/jphp/journal/vaop/ncurrent/full/jphp20137a.html

35**.** **Nguyen QC**, Villaveces A, Marshall SW, Hussey JM, Carolyn CT, Poole C. (2012). Adolescent Expectations of Early Death Predict Adult Risk Behaviors. *PLOS ONE.* http://www.plosone.org/article/info%3Adoi%2F10.1371%2Fjournal.pone.0041905

36. **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. http://www.sciencedirect.com/science/article/pii/S0277953612001116

37. **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. http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3109249/

38. 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. http://journals.lww.com/epidem/pages/articleviewer.aspx?year=2011&issue=07000&article=00018&type=Citation

39. **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. http://www.cdc.gov/pcd/issues/2011/sep/10_0205.htm

40. 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. Epub. http://jech.bmj.com/content/64/01/29.long

41. 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. Epub 2009 Sep 18. http://www.sciencedirect.com/science/article/pii/S0277953609005681

II.C.   Conferences, Workshops, and Talks

➢ **C.1   Invited Talks (Presentation)**

1. **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.

2. **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.

3. **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

4. Tolga Tasdizen, **Nguyen QC**. Neural Network Models for Neighborhood Effects Research. Applied Machine Learning Days, Ecublens, Switzerland, January 27, 2020

5. **Nguyen QC**. Harnessing big data for health and social science research. Society for Social Work and Research Pre-Conference Workshop, Washington DC, January 16, 2020

6. **Nguyen QC**. Twitter-derived sentiment towards minorities, Guest lecture in EPIB 622: Social Determinants of Health. University of Maryland, College Park, November 21, 2019

7. **Nguyen QC**. Scientific Writing, Maryland Population Research Center, University of Maryland College Park, November 20, 2019.

8. **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.

9. **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.

10. **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.

11. **Nguyen, QC**. Leveraging Twitter Data for Health Research. Meeting on Data Blending: Tackling the Obstacles. Massive Data Institute. Georgetown University, April 24, 2019.

12. **Nguyen QC**. Harnessing big data for health research. Department of Behavioral and Community Health, University of Maryland, College Park, April 12, 2019

13. **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

14. **Nguyen QC**. Innovative data sources in Population Research. Hopkins Population Center. Baltimore, Maryland, April 5, 2019.

15. **Nguyen QC.** Social Media Data Mining: Partnerships to Enhance Public Health. Digital Health Promotion Leadership Summit, Washington DC, June 6, 2018.

16.	**Nguyen QC**. Big data for public health and social research. 6th Annual Public Health Research @ Maryland, University of Maryland, College Park, MD. April 3, 2018.

17.	**Nguyen, QC**. The intersection of public health, social science and data science. Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA. January 19, 2017.

18.	**Nguyen QC**. Data science in social epidemiology. University of Alberta School of Public Health. Edmonton, Canada. July 11, 2016.

19.	**Nguyen QC**. Data interpretation issues. Texas Tech University. Abilene, Texas. June 29, 2016.

20.	**Nguyen QC**. The intersection of public health, social science and data science. Case Western Reserve University School of Medicine. Cleveland, OH. June 15, 2016.

21.	**Nguyen QC**. How to build collaborations between social and data scientists. Pacific Symposium on Biocomputing. Big Island, Hawaii, January 3, 2016.

22.	**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.

23.	**Nguyen QC**. Prescription medications in a national cohort of young adults. Population & Heath Seminar Series. Department of Sociology, University of Utah. April 4, 2014.

24.	**Nguyen QC**. Young adult health. Institute for Health Metrics and Evaluation. University of Washington. Seattle, WA. February 11, 2013.

25.	**Nguyen QC**. The importance of earlier-life factors on adult health and behaviors. Introduction to Social Epidemiology. Northeastern University. Boston, MA. October 1, 2012.

26.	**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

27.	**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

28.	**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.

29.	**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**

1.   Huang D, **Nguyen QC**. Twitter-derived neighborhood characteristics and cardiometabolic outcomes in a nationally representative population. *40th 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.   **Nguyen, QC**. Do Data Matter? Informing Personal and Community Decision-Making. *7th Annual Public Health Research @ Maryland*, University of Maryland, College Park, April 2, 2018

5.   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.

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.   **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

9.   **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.

10.   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.

11.   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.

12.   N**guyen QC.** Racial/Ethnic Group Differences in Child Maltreatment Outcomes. *Spotlight on Student Research.* March 26, 2009. Chapel Hill, NC

13.   Hussey JM, **Nguyen QC.** Racial/ethnic group differences in child maltreatment outcomes. *30th Annual Minority Health Conference*, Chapel Hill, NC, February 27, 2009.

14. **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. *Published abstract.

➢ **C.3   Refereed Abstracts (Published)**

1. **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.

2. 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.

3. **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.

4. **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.

5. 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.

6. **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.

7. **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.

8. **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.

9. 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.

➢ **C.4   Workshops (Report)**

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, 2016;640-645. https://www.ncbi.nlm.nih.gov/pubmed/27897014

➢ **C.5   Pre-print Paper**
Maharana A, **Nguyen QC**, Nsoesie E, Dunn M. Using Deep Learning and Satellite Imagery to Quantify the Impact of the Built Environment on Neighborhood Crime Rates arXiv:1710.05483v1 [cs.CY] https://arxiv.org/abs/1710.05483

II.D.   Sponsored Research and Programs

➢ **D.1   Grants (Current)**

1. **1R01LM012849, PI: Quynh Nguyen**
    Period: 08/01/2018 – 07/31/2022
    Neighborhood Looking Glass: 360 Degree Automated Characterization of the Built Environment for Neighborhood Effects Research
    Role: Principal Investigator
    Total direct costs: $1,093,388

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

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 direct costs: $721,825

4. **Administrative supplement: 3K01ES025433-03S1**
    Period: 09/01/2016 – 06/30/2017
    Role: Principal Investigator
    Total direct costs: $34,200

➢ **D.2   Grants (Past)**

1. **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

2. **NIH/NICHD P01-HD31921, PI: Kathleen Mullan Harris**
    Period   08/2010 – 05/2011
    National Longitudinal Study of Adolescent Health
    Role: Data analyst

3.   **NIH/NICHD R01-HD058535, PI: Jon Hussey**
        Period   05/2010 – 08/2010
        Emerging Disparities in Chronic Disease Risk Among Young Adults
        Role: Data analyst

II.E.   Research Fellowships, Prizes and Awards

2019   Nomination, Presidential Early Career Award for Scientists and
              Engineers (see https://www.nlm.nih.gov/ep/PECASE.html

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

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
Current Credit Courses
2018-Present   *EPIB 633 Health Survey Design and Analysis* (Graduate level, 3 credits)
                Enrollment: 21 (Spring 2018), 6 (Spring 2019)

2018-Present   *EPIB799-0212 Master Thesis Research* (Graduate level)
                1 (Fall 2018) 1 (Spring 2019)

2019-Present   *EPIB786-0212 Capstone Project* (Graduate level)
                2 (Spring 2019)

2019-Present   *EPIB898-0106 Pre-Candidacy Research* (Graduate level)
1 (Winter 2019)

Previous Credit Courses
2014-2017   *HEDU 6700 Epidemiology in Community Health Practice*
              Enrollment: 13 (Spring 2015), 20 (Spring 2016) 5 (Spring 2017), 8 (Summer 2017)

III.B.5   Instructional workshops and seminars established

1.   Public Health Boot Camp
      2-day workshop for the Utah Department of Health on foodborne illness and public health
      surveillance

June 2018
Role: I developed and presented one day's material on foodborne illness.

2. Research Design Seminar
   8 two-hour classes
   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)

III.B   Teaching Innovation
I have had the unique opportunity and experience of developing all the materials for all the courses and workshops I have taught (previously listed in the section above). I discuss specifically two core graduate level courses I created.

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.

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

Undergraduate (UMD)

2017-Present   **Internship advisor** Lynn Phan, undergraduate intern in my lab, worked on "Pride, Love & Twitter Rants: combining machine learning and qualitative techniques to understand what our tweets reveal about race in the US." (Expected graduation:2021)

2017-2019   **UMD STAR summer program mentor**, 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.

Master's

UMD candidates

2019-Present   **Advisor & chair of master's committee**, Erica Luciani (Expected graduation, 2021)

2017-2020   **Committee member**, Joslynn Watkins, Master's project is titled
             "Post-Traumatic Stress Disorder and Cardiovascular Disease Among Veteran Women"

2018-2020   **Committee member**, John Jee, Master's project is titled
             "Hookah Use Among Young Adults in the United States John Yee"

2019-2020   **Committee member**, Katarzyna Borkowski, Master's project is titled
             *"Job Satisfaction of Registered Nurses in the United States: An Analysis of the 2018
             National Sample Survey of Registered Nurses "*

2017-2020   **Advisor & chair of master's committee**, Sammrawit Girma, Master's project is titled
             "Intimate Partner Violence and Depression among Pregnant Women"

2017-Present **Advisor & chair of master's committee**, Rachael Falade (Expected graduation, 2020)

2017-2020   **Advisor & chair of master's committee**, Tara Askew, Master's project is titled
             "Gut Microbome Changes and Travlers Diarrhea."

2018-2019   **Advisor & chair of master's committee**, Anokhi Cifuentes (Expected graduation, 2021)

2017-2019   **Advisor & chair of master's committee**, Anna Long, Master's project is titled" *Analysis
             of the Relationship between Campylobacter Clinical Method of Case Detection and
             Demographics and Food Exposures of Cases."*

2017-2019   **Committee member**, Jee Chong, expected graduation, 2019. Master's project is titled "*Does
             Height Matter for Men in the United States?"*

2017-2019   **Advisor & chair of master's committee**, Maheen Humayun, Master's project is titled
             *"Investigating the effect of prenatal exposure to Gonorrhea, Chlamydia and Syphilis on
             pregnancy/birth outcomes."*

2017-2019   **Committee member**, Marwa F. Al-Nassir, Master's thesis titled "*Doe 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   **Advisor & chair of master's committee**, Samantha Ammons, Master's thesis is titled
             "*Privilege and Infant Mortality: Using the Index of Concentration at the Extremes to
             Examine Infant Mortality in the United States."*

2017-2019   **Committee member**, Oluwasanmi Oladapo Adenaiye, Master's thesis is titled "*Tracking
             acute respiratory infections in a college resident community."*

University of Utah graduates

2014-2016   **Committee member**, Okang, E, research title "*The influence of parents and peers on
             adolescents' body image*", University of Utah College of Health. (Graduated in 2016)

2014-2016   **Chair of master's committee,** Vikers, T, research title "*The influence of social support on
             the well-being of parents of special needs children*", University of Utah College of Health.
             (Graduated in 2016)

2014-2016 **Chair of master's committee,** Portwood, K, research title "*Short health education webinars for college students*", University of Utah College of Health. (Graduated in 2016)

2014-2016 **Chair of master's committee,** Templeton, J, research title "*Gardening for health: an educational program for individuals with pre-diabetes*", University of Utah College of Health. (Graduated in 2016)

2013-2015 **Chair of master's committee,** Meng, H, research title "*A drug-avoidance self-efficacy approach to substance abuse prevention for refugee adolescents*", University of Utah College of Health. (Graduated in 2015)

2013-2015 **Chair of master's committee,** Pokharel, M, research title "*Theorizing the impact of targeted narratives: model admiration and narrative memorability*", University of Utah College of Health. (Graduated in 2015)

2013-2015 **Chair of master's committee,** Gunter, J and Stebbing, M, research title "*Eat healthy-be active community workshop series program evaluation*", University of Utah College of Health. (Graduated in 2015)

2013-2015 **Committee member**, Martin, M, research title "*Obesity beliefs and attitudes*", University of Utah College of Health. (Graduated in 2015)

Doctoral

UMD candidates

2018-Present **Advisor**, Jessica Keralis (Expected graduation 2023)

2018-Present **Advisor**, Weijun Yu, graduate research assistant in neighborhood research lab (Expected graduation 2023)

2017-Present **Committee member**, Yuruo Li (Expected graduation 2020)

2017-2019 **Advisor and committee member**, Dina Huang, graduate research assistant in neighborhood lab (Expected graduation 2019)

2017-Present **Committee member**, Rajrupa Ghosh (Expected graduation 2021)

2017-Present **Committee member**, Abbi Simons (Expected graduation 2021)

University of Utah candidates

2015-Present **Chair of doctoral committee**, Meng, H, research title "*Factors influencing mental health care utilization among refugees*", University of Utah College of Health (Expected graduation 2020)

2013-2017 **Chair of doctoral committee**, Tacy B, research title "*Nutritional policies in live-in HEDU communities for disabled adult populations*", University of Utah College of Health (Graduated in 2017)

2013-2016 **Committee member**, Ditolla, M, research title "Peace officer resiliency in the aftermath of the use of deadly force", University of Utah College of Health (Graduated in 2016)

2013-2016   **Committee member**, Ha, T, research title "*Socio-relational resources sociology and health in China and the United States*", University of Utah Department of Sociology (Graduated in 2016)

2013-2016   **Committee member**, Tabler, J, research title "*The influence of eating disorders on marriage and fertility: a genetically informed study*", University of Utah Department of Sociology (Graduated in 2016)

2013-2015   **Committee member**, Stuart, A, research title "*Positive approaches to health education, with an emphasis on the health at every size approach to healthy lifestyles*", University of Utah College of Health (Graduated in 2015)

2013-2015   **Committee member**, Bradden, B, research tittle "Online social networks for rare diseases", University of Utah College of Health (Graduated in 2015)

III.F.3 Guest lectures

1. **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.

2. **Nguyen QC**. Population-based health patterns. Guest lecture for Epidemiology for Public Health Practice. Department of Epidemiology and Biostatistics. University of Mayrland School of Public Health. College Park, MD. October 26, 2017.

3. **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

4. **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

2019-Present   Reviewer, *International Journal of Environmental Research and Public Health*
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*
2013-Present   Reviewer, *Ethnicity and Health*
2012-Present   Reviewer, *Social Science & Medicine*
2010-Present   Reviewer, *Preventing Chronic Disease*

IV.B.   Committees, Professional & Campus Service

2019-Present	Chair, UMD Dept. of Epidemiology and Biostatistics, Curriculum Committee
2019-Present	Chair, UMD Dept. of Epidemiology and Biostatistics, Doctoral Comprehensive Exam Committee
2019-Present	Member, UMD Dept. of Epidemiology and Biostatistics, Executive Committee
2019-Present	Judge, The Long Nguyen and Kimmy Duong Scholarship Program
10/2019	NIH Review panel for NCI PAR [2020/01 ZRG1 RPHB-R (56) R] Special Emphasis Panel
03/2019-Present	Public Health Research @ Maryland Day Poster Judge
05/2018-Present	Mentor, University of Maryland STAR program
03/2018	NIH Review panel for PAR 15-346, Time-Sensitive Obesity Policy and Program Evaluation
08/2017-present	University of Maryland Department of Epidemiology and Biostatistics graduate admissions committee
08/2013-2017	Computer/Technology Committee
09/2014-02/2015	Occupational Therapy Faculty Search Committee
09/2014-02/2015	Consortium for Families and Health Research (C-FAHR) Faculty Search Committee
09/2014-12/ 2014	College of Health Realignment Task Force
08/2015-present	College of Health Council
08/2016-09/2016	KL2 Candidate Applicant Review Group

IV.C.   Professional affiliations

2009-Present	Society for Epidemiologic Research
2010-Present	American Heart Association
2009-Present	American Public Health Association