# Curriculum Vitae

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

| | |
|---|---|
| Signature _(signature)_ | Date  9/26/2024 |

## I.        Personal Information

I.A.        <u>UID, Last Name, First Name, Middle Name, Contact Information</u>
**UID:** 118514741
**Last Name:** Nguyen
**First Name:** Thu
**Middle Name:** Thi Xuan

**Contact Information:**
Department of Epidemiology and Biostatistics
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I.B.        <u>Academic Appointments at UMD</u>

| | |
|---|---|
| 9/2026- present | UMD Faculty Affiliate, AI Interdisciplinary Institute at Maryland (AIM), University of Maryland, College Park |
| 5/2024-present | UMD Faculty Affiliate, University of Maryland Institute for Health Computing (UM-IHC), Center for Population Health, University of Maryland School of Medicine, Baltimore, MD |
| 4/2024-present | UMD Faculty Affiliate, Center on Aging, University of Maryland, College Park |
| 08/2021-present | **Associate Professor,** Department of Epidemiology and Biostatistics, University of Maryland School of Public Health, College Park, MD |
| 9/2022-present | UMD Faculty Affiliate, Maryland Population Research Center, University of Maryland, College Park |

I.C.        <u>Other Employment</u>

| | |
|---|---|
| 10/2019-08/2021 | **Assistant Professor,** Department of Family and Community Medicine University of California, San Francisco, CA, San Francisco, CA |

11/2014-9/2019    **Specialist (postdoctoral scholar)**, Department of Epidemiology and Biostatistics University of California, San Francisco, CA, San Francisco, CA

11/2014-9/2019    **Teaching Assistant**, Multilevel Statistical Methods, Department of Social and Behavioral Sciences, Harvard T.H. Chan School of Public Health, Boston, MA

8/2012 – 5/2014    **Graduate Research Assistant,** Department of Social and Behavioral, Sciences, Harvard T.H. Chan School of Public Health, Boston, MA

8/2006 – 12/2008    **Graduate Research Assistant**, Department of Epidemiology, UNC Gillings School of Global Public Health School, Chapel Hill, NC

9/2005 – 6/2006    **Public Ally**, Public Allies Silicon Valley, an AmeriCorps Program, Catholic Charities in Santa Clara County (providing hands on science lessons for elementary and middle schools in San Jose, CA).

I.D.    Educational Background
2014    **ScD. Social Epidemiology**, Harvard T.H. Chan School of Public Health

2008    **M.S.P.H. Epidemiology**, UNC Gillings School of Global Public Health

2005    **B.A. Human Biology**, Concentration: disparities in health, Stanford University

I.E.    Professional Certifications, Licenses, and Memberships
2006-present    Society for Epidemiologic Research
2006-present    American Public Health Association
2015-present    American Heart Association
2024-present    Sigma Xi, The Scientific Research Honor Society

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

II.A.    Refereed Journals
II.A.1.    Refereed Journal Articles
Google Scholar H-index: 22; Citations: 1679 as of September 17, 2024;
^denotes advised high school student; #denotes advised undergraduate students; *denotes advised graduate students; **denotes advised post-doctoral
students)

1. Wei H*, Hswen Y, Merchant JS, Drew LB, Nguyen QC, Mane H, **Nguyen TT**. From Tweets to Streets: Association between Twitter Sentiment and Anti-Asian Hate Crimes. *J Med Internet Res* 2024;26:e53050.
   *Contribution: Analysis, interpretation of data, and critical revision of the manuscript.*

2. Criss, S., **Nguyen, T.T.**, Gonzales, S.M., Lin, B., Kim, M., Makres, K., Sorial, B.M., Xiong, Y., Dennard, E., Merchant, J.S., & Hswen, Y. (2024). "HIV Stigma Exists" — Exploring ChatGPT's

HIV Advice by Race and Ethnicity, Sexual Orientation, and Gender Identity. *Journal of Racial and Ethnic Health Disparities*. https://doi.org/10.1007/s40615-024-02162-2.
*Contribution: Analysis, interpretation of data, and critical revision of the manuscript.*

3. Nguyen QC, Alirezaei M, Yue X*,* Mane H, Dapeng L, Zhao L, **Nguyen TT** Patel R, Yu W, Hu M, Quistberg DA, Tasdizen T. Leveraging computer vision for predicting collision risks: a cross-sectional analysis of 2019–2021 fatal collisions in the USA. *Injury Prevention* Published Online First: 06 June 2024. doi: 10.1136/ip-2023-045153.
*Contribution: Drafting of manuscript, and critical revision of the manuscript.*

4. Nguyen QC, Tasdizen T, Alirezaei M, Mane H, Yue X, Merchant JS, Yu W, Drew L\*\*, Li D, **Nguyen TT**. Neighborhood Built Environment, Obesity, and Diabetes: A Utah Siblings Study. *SSM-Population Health*. 2024 Apr 19:101670.
*Contribution: Interpretation of data, drafting of manuscript, and critical revision of the manuscript.*

5. Criss S, Kim M#, Monica M\*, Thai N#, Nguyen QC, **Nguyen TT**. Experiences of racism in the US–A perspective from Asian & Pacific Islander, Black, Latina, and Middle Eastern women. *Heliyon*. 2024 Apr 15;10(7).
*Contribution:* *Analysis, interpretation of data, and critical revision of the manuscript.*

6. De La Cruz M\*, Criss S, Kim M#, Thai N#, Makres K, Merchant J, **Nguyen T**. Not a Monolith: understanding of racism and Racialization among Korean, Pacific Islander, South Asian, and Vietnamese women. *Journal of Ethnic and Cultural Studies*. 2024 Apr 6;11(2):58-80
*Contribution: Analysis, interpretation of data, and critical revision of the manuscript.*

7. **Nguyen TT.** Merchant JS, Yue X, Mane H, Wei H, Huang D, Gowda KN\*, Makres K\*, Najib C\*, Nghiem HT\*, Hswen Y, Criss S, Drew LB\*\*, Li D, Allen AM, Nguyen QC. A Decade of Tweets: Visualizing Racial Sentiments towards Minoritized Groups in the United States between 2011-2021. *Epidemiology* 35(1):p 51-59, January 2024. | DOI: 10.1097/EDE.0000000000001671
*Contribution: conception and design, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*

8. Hswen, Y, **Nguyen, TT**. The inclusion of social determinants of health into evaluations of quality and appropriateness of AI assistant-ChatGPT. *Prostate Cancer Prostatic Dis* (2023). https://doi.org/10.1038/s41391-023-00720-z
*Contribution: assisting with the conception and design, drafting of the manuscript, and critical revision of the manuscript.*

9. Michaels EK\*, Lam-Hine T\*, **Nguyen TT,** Gee GC, Allen AM.  The Water Surrounding the Iceberg: Cultural Racism and Health Inequities. *Milbank Q.* 2023 Jul 12. doi: 10.1111/1468-0009.12662. Epub ahead of print. PMID: 37435779.
*Contribution: assisting with the conception and design, drafting of the manuscript, and critical revision of the manuscript.*

10. Hswen Y, Yang F, Le-Compte C, Hurley ME, Mattie H, **Nguyen TT**. Structural racism through Sundown towns and its relationship to COVID-19 local risk and racial and ethnic diversity. *Preventive Medicine Reports.* 2023;35:102260.
_Contribution: conception and design, interpretation of data, and critical revision of the manuscript._

11. **Nguyen TT**, Merchant JS, Criss S, Makres K*, Gowda KN, Mane H, Yue X, Hswen Y, Glymour MM, Nguyen QC, Allen AM. 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. *J Med Internet Res* 2023;25:e44990. PMCID: PMC10182466
_Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript._

12. Honcharov V, Li J, Sierra M, Rivadeneira NA, Olazo K, **Nguyen TT**, Mackey TK, Sarkar U. Public figure Vaccination rhetoric and vaccine hesitancy: Retrospective Twitter analysis. *JMIR infodemiology*. 2023 Mar 10;3(1):e40575.
_Contribution: conception and design, interpretation of data, and critical revision of the manuscript._

13. Criss S, Kim M, De La Cruz MM*, Thai N[#], Nguyen QC, Hswen Y, Gee GC, **Nguyen TT** . (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*, 10.1007/s40615-023-01560-2. Advance online publication. https://doi.org/10.1007/s40615-023-01560-2
_Contribution: conception and design, analysis, interpretation of data, and critical revision of the manuscript._

14. **Nguyen TT**, Yu W*, Merchant JS, Criss S, Kennedy, CJ, Mane H, Gowda KN*, Kim M[#], Belani R^, Blanco CF*, Kalachagari M^, Yue X, Volpe VV, Allen AM, Hswen Y, Nguyen QC. Examining Exposure to Messaging, Content, and Hate Speech from Partisan News Social Media Posts on Racial and Ethnic Health Disparities. *Int. J. Environ. Res. Public Health* **2023**, *20*, 3230. https://doi.org/10.3390/ijerph20043230
_Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript._

15. Criss S, **Nguyen TT**, Michaels EK**, Gee GC, Kiang MV, Nguyen QC, Norton S[#], Titherington E[#], Nguyen L[#], Yardi S[#], Kim M[#], Thai N[#], Shepherd A[#], Kennedy CJ. Solidarity and strife after the Atlanta spa shootings: a mixed methods study characterizing Twitter discussions by qualitative analysis and machine learning. *Front. Public Health*. 2023. doi: 10.3389/fpubh.2023.952069. _Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript._

16. **Nguyen TT**, Criss S, Kim M[#], De La Cruz MM*, Thai N[#], Merchant JS, Hswen Y, Allen AM, Gee GC, Nguyen QC. Racism During Pregnancy and Birthing: Experiences from Asian and Pacific Islander, Black, Latina, and Middle Eastern Women. *J Racial Ethn Health Disparities*. 2022 Nov 30:1–11. doi: 10.1007/s40615-022-01475-4. Epub ahead of print. PMID: 36449130; PMCID: PMC9713108.

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

17. Kitch JC#, **Nguyen TT**, Nguyen QC, Hswen Y. Changes in the relationship between Index of Concentration at the Extremes and US urban greenspace: a longitudinal analysis from 2001–2019. *Humanities and Social Sciences Communications.* 2023 Nov 23;10(1):1-0. *Contribution: interpretation of data and critical revision of the manuscript.*

18. Hswen Y, **Nguyen TT**. Generative Artificial Intelligence Should Not Compromise Traditional Medical Education. Academic Medicine. 2024 Mar 7. doi: 10.1097/ACM.0000000000005674. *Contribution: drafting of manuscript and critical revision of manuscript.*

19. Mane H, Yue X, Yu W, Doig AC, Wei H, Delcid N, Harris A-G, **Nguyen TT**, Nguyen QC. Examination of the Public's Reaction on Twitter to the Over-Turning of Roe v Wade and Abortion Bans. *Healthcare*. 2022; 10(12):2390. https://doi.org/10.3390/healthcare10122390. *Contribution: drafting of the manuscript, and critical revision of the manuscript.*

20. Nguyen Q, Belnap T, Dwivedi P, Deligani A, Kumar A, Li D, Whitaker R, Keralis J*, Mane H, Yue X. **Nguyen TT**, Tasdizen T, Brunisholz KB. Google Street View Images as Predictors of Patient Health Outcomes, 2017–2019. Big Data and Cognitive Computing. 2022; 6(1):15. *Contribution: drafting of the manuscript, and critical revision of the manuscript.*

21. Hamad R, Glymour MM, Calmasini C, **Nguyen TT**, Walter S, Rehkopf DH. Explaining the variance in cardiovascular disease risk factors: A comparison of demographic, socioeconomic, and genetic predictors. *Epidemiology*. 2022 Jan 1;33(1):25-33. doi: 10.1097/EDE.0000000000001425. PMID: 34799480; PMCID: PMC8633061. *Contribution: drafting of the manuscript and critical revision of the manuscript.*

22. **Nguyen TT**, Nguyen QC, Rubinsky AD, Tasdizen T, Deligani AHN, Dwivedi P, Whitaker R, Fields JD, DeRouen MC, Mane H, Lyles CR, Brunisholz KD, Bibbins-Domingo K. Google Street View-Derived Neighborhood Characteristics in California Associated with Coronary Heart Disease, Hypertension, Diabetes. *Int J Environ Res Public Health*. 2021 Oct 3;18(19):10428. doi: 10.3390/ijerph181910428. PMID: 34639726; PMCID: PMC8507846. *Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*

23. **Nguyen TT**, Criss S, Michaels EK*, Cross RI*, Michaels JS#, Dwivedi P, Huang D*, Hsu E#, Mukhija K^, Nguyen LH#, Yardi I#, Allen AM, Nguyen QC, Gee GC. 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 Popul Health*. 2021 Sep 10;15:100922. doi: 10.1016/j.ssmph.2021.100922. PMID: 34584933; PMCID: PMC8455860. *Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*

24. Criss S, **Nguyen TT**, Norton S#, Virani I#, Titherington E#, Tillmanns EL#, Kinnane C#, Maiolo G#, Kirby AB#, Gee GC. Advocacy, Hesitancy, and Equity: Exploring U.S. Race-Related

Discussions of the COVID-19 Vaccine on Twitter. *International Journal of Environmental Research Public Health.* 2021,18,5693. https://doi.org/10.3390/ijerph18115693.
*Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*

25. Fazeli S*, Zamanzadeh D*, Ovalle A*, **Nguyen T**, Gee G, Sarrafzadeh M. COVID-19 and Big Data: Multi-faceted Analysis for Spatio-temporal Understanding of the Pandemic with Social Media Conversations. *arXiv preprint* arXiv:2104.10807. 2021 Apr 22.
*Contribution: interpretation of data, and critical revision of the manuscript.*

26. **Nguyen TT**, Huang D*, Michaels EK*, Glymour MM, Allen AM, Nguyen QC. Evaluating associations between area-level Twitter-expressed negative racial sentiment, hate crimes, and residents' racial prejudice in the United States. *Social Science & Medicine - Population Health*. 2021;13:100750.
*Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*

27. Criss S, Michaels EK*., Solomon K[#]. Allen AM, **Nguyen TT**. Twitter Fingers and Echo Chambers: Exploring Expressions and Experiences of Online Racism Using Twitter. *Journal of Racial and Ethnic Health Disparities.* 2021. https://doi.org/10.1007/s40615-020-00894-5. PMID: 33063284. PMCID: PMC8046834.
*Contribution: analysis, interpretation of data, and critical revision of the manuscript.*

28. Oni-Orisan A, Srinivas N, Mehta K, Das JL, **Nguyen TT**, Tison GH, Bauer SR, Burian M, Funk RS, Graham RA; Biomarkers and Translational Tools Community Working Group of the American Society for Clinical Pharmacology and Therapeutics. Leveraging innovative technology to generate drug response phenotypes for the advancement of biomarker-driven precision dosing. *Clin Transl Sci.* 2021 Jan 9. doi: 10.1111/cts.12973. Epub ahead of print. PMID: 33421282.
*Contribution: drafting of the manuscript, and critical revision of the manuscript.*

29. Thomas MD**, Michaels EK*, Darling-Hammod S*, **Nguyen TT**, Glymour MM, Vittinghoff E. Whites' county-level racial bias, COVID-19 rates, and racial inequities in the United States. *Int J Environ Res Public Health*. 2020 Nov; 17(22): 8695. 10.3390/ijerph17228695.
*Contribution: statistical analysis, interpretation of data, and critical revision of the manuscript.*

30. **Nguyen TT**, Criss S, Dwivedi P, Huang D**, Keralis J*, Hsu E[#], Phan L[#], Nguyen LH[#], Yardi I[#], Glymour MM, Allen AM, Chae DH, Gee GC, Nguyen QC. Exploring U.S. Shifts in Anti-Asian Sentiment with the Emergence of COVID-19. *Int J Environ Res Public Health*. 2020 Sep 25;17(19):7032. *17*(19), 7032; doi: 10.3390/ijerph17197032
*Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*

31. Darling-Hammond S, Michaels EK*, Allen AM, Chae DH, Thomas MD**, **Nguyen TT**, Mujahid MM, Johnson RC. After "The China Virus" Went Viral: Racially Charged Coronavirus Coverage and Trends in Bias Against Asian Americans. *Health Education & Behavior*. September 2020. doi:10.1177/1090198120957949

*Contribution: drafting of the manuscript, and critical revision of the manuscript.*

32. **Nguyen TT**, Adams N, Huang D\*\*, Glymour MM, Allen AM, Nguyen QC. The Association Between State-Level Racial Attitudes Assessed From Twitter Data and Adverse Birth Outcomes: Observational Study. *JMIR Public Health Surveill.* 2020 Jul 6;6(3):e17103. doi: 10.2196/17103. PubMed PMID: 32298232.
*Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*

33. Huang D\*\*, Huang Y, Adams N, **Nguyen TT**, Nguyen QC. Twitter-Characterized Sentiment Towards Racial/Ethnic Minorities and Cardiovascular Disease (CVD) Outcomes. *Journal of Racial and Ethnic Health Disparities*. 2020. https://doi.org/10.1007/s40615-020-00712-y
*Contribution: drafting of the manuscript, and critical revision of the manuscript.*

34. Brenowitz WD, Manly JJ, Murchland AR\*, **Nguyen TT**, Liu SY, Glymour MM, Levine DA, Crowe M, Hohman TJ, Dufouil C, Launer LJ, Hedden T, Eng CW, Wadley VG, Howard VJ. State School Policies as Predictors of Physical and Mental Health: A Natural Experiment in the REGARDS Cohort. *Am J Epidemiol.* 2020;189(5):384-393. doi:10.1093/aje/kwz221
*Contribution: drafting of the manuscript, and critical revision of the manuscript.*

35. Hamad R, **Nguyen TT**, Bhattacharya J, Glymour MM, Rehkof DH. Educational attainment and cardiovascular disease in the United States: A quasi experimental instrumental variables analysis. *PLoS Med*. 2019 Jun;16(6):e1002834,
https://doi.org/10.1371/journal.pmed.1002834.
*Contribution: statistical analysis, interpretation of data, and critical revision of the manuscript.*

36. Vable AM, **Nguyen TT**, Rehkopf DH, Glymour MM, Hamad R. Differential associations between state-level educational quality and cardiovascular health by race: Early-life exposures and late-life health. *Social Science & Medicine – Population Health.* 2019 August (8): 100418. https://doi.org/10.1016/j.ssmph.2019.100418. *Contribution: drafting of the manuscript, and critical revision of the manuscript.*

37. Hamad R, **Nguyen TT**, Glymour MM, Vable AM, Manly JJ, Rehkof DH. Quality and quantity: The association of state-level educational policies with later life cardiovascular disease. *Preventive Medicine*. 2019 September (126): 105750.
https://doi.org/10.1016/j.ypmed.2019.06.008
*Contribution: drafting of the manuscript, and critical revision of the manuscript.*

38. Nguyen QC, Khanna S, Dwivedi P, Huang D\*, Huang Y, Tasdizen T, Brunisholz KD, Li F, Gorman W, **Nguyen TT**, Jiang C. Using Google Street View to examine associations between built environment characteristics and U.S. health outcomes. *Prev Med Rep.* 2019 Apr 9;14:100859. doi: 10.1016/j.pmedr.2019.100859. eCollection 2019 Jun. *Contribution: drafting of the manuscript, and critical revision of the manuscript.*

39. **Nguyen TT**, Criss S, Allen AM, Glymour MM, Phan L#, Trevino R#, Dasari S#, Nguyen QC. Pride, Love & Twitter Rants: combining machine learning and qualitative techniques to understand what our tweets reveal about race in the U.S. *International Journal of*

*Environmental Research and Public Health*. 2019 May; 16(10). Pii. E1766. *Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*

40. **Nguyen TT**, Vable A, Glymour, MM, Allen, AM. Discrimination in health care and biomarkers of cardiometabolic risk in U.S. adults. *Social Science & Medicine – Population Health.* 2019 (7): 100306. https://doi.org/10.1016/j.ssmph.2018.10.006. *Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*

41. **Nguyen TT**, Meng HW\*, Sanjeev S, McCullough M, Yu W, Yan L, 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. *Computers in Human Behavior.* 2018 (89): 308-315. Doi: https://doi.org/10.1016/j.chb.2018.08.010 *Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*

42. **Nguyen TT**, Vable A, Glymour MM, Nuru-Jeter, A. Trends for Reported Discrimination in health care in a national sample of older adults with chronic conditions**.** *J Gen Intern Med.* 2018 Mar;33(3):291-297. Doi: 10.1007/s11606-017-4209-5. Epub 2017 Dec 15. *Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*

43. Nguyen QC, Sajjadi M, McCullough M, Pham M\*, **Nguyen TT**, Yu W, Meng HW, Wen M, Li F, Smith KR, Brunisholz , Tolga Tasdizen T. Neighborhood Looking Glass: 360 Degree Automated Characterization of the Built Environment for Neighborhood Effects Research. *J Epidemiol Community Health.* Published Online First: 15 January 2018. Doi: 10.1136/jech-2017-209456. *Contribution: drafting of the manuscript, and critical revision of the manuscript.*

44. Vable A, Gilsanz P, **Nguyen TT**, Kawachi I, Glymour MM. Validation of a theoretically motivated approach to measuring childhood socioeconomic circumstances in the Health and Retirement Study. *PloS ONE*. 2017 Oct. doi: https://doi.org/10.1371/journal.pone.0185898. *Contribution: statistical analysis, interpretation of data, and critical revision of the manuscript.*

45. **Nguyen TT**, Tchetgen Tchetgen E, Kawachi I, Gilman S, Walter, S., Glymour MM. The role of literacy in the association between educational attainment and depressive symptoms. *Social Science & Medicine – Population Health.* 2017 Dec; 3:71-76. Doi: https://doi.org/10.1016/j.ssmph.2017.07.002. *Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*

46. Nguyen QC, Meng H, Li D, Kath S, McCullough M, Paul D, Kanokvimankul P, **Nguyen TT**, Li L. Social media indicators of the food environment and state health outcomes. *Public Health*. 2017 (148): 120-128. *Contribution: drafting of the manuscript, and critical revision of the manuscript.*

47. **Nguyen TT**, Tchetgen Tchetgen E, Kawachi I, Gilman S, Walter, S., Liu, SY, Manly, JJ. Glymour MM. Instrumental variable approaches to identifying the causal effect of education on dementia risk. *Annals of Epidemiology*. 2016 Jan; 26(1) 71-76. Doi: 10.1016/j.annepidem.2015.10.006.
*Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*

48. **Nguyen TT**, Tchetgen Tchetgen E, Kawachi I, Gilman S, Walter, S. Glymour M. Comparing alternative effect decomposition methods: the role of literacy in mediation educational effects on mortality. *Epidemiology.* 2016 Sep;27(5):670-6. Doi: 10.1097/EDE.0000000000000517.
*Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*

49. **Nguyen TT**, Rist PM, Glymour MM. Are self-reported neighborhood characteristics associated with onset of functional limitations in older adults with or without memory impairment? *J Epidemiol Community Health*. 2016;0:1–7. Doi:10.1136/jech-2016-207241.
*Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*

50. Rist PM, **Nguyen TT**, Whitmer RA, Glymour MM. Modifiable risk factors for nursing home admission among individuals with high and low dementia risk. *Arch Gerontol Geriatr.* 2016 Jul-Aug;65:140-5. Doi: 10.1016/j.archger.2016.03.016. Epub 2016 Mar 19. *Contribution: drafting of the manuscript, and critical revision of the manuscript.*

51. Liu SY, Walter S, Marden J, Rehkopf DH, Kubzansky LD, **Nguyen TT**, Glymour MM. Genetic vulnerability to diabetes and obesity: Does education offset the risk? *Soc Sci Med.* 2015 Feb;127:150-8. Doi: 10.1016/j.socscimed.2014.09.009. Epub 2014 Sep 6.
*Contribution: drafting of the manuscript, and critical revision of the manuscript.*

52. **Nguyen TT**, Hawkins SS. Current state of US breastfeeding laws.
*Maternal and Child Nutrition*. 2013 July; 9(3): 350-358.
*Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*

53. Vines A, **Nguyen TT**, Ta M, Esserman, D, Baird D. Self-reported daily stress, squelching of anger, and the management of daily stress and the prevalence of uterine leiomyomata: the ultrasound screening study. *Stress and Health.* 2011 Aug; 27(3): 188-194. *Contribution: conception and design, acquisition of data, statistical analysis, interpretation of data, drafting of the manuscript, and critical revision of the manuscript.*

54. **Nguyen TT**, Kaufman JS, Cooper RS. Response to "Calcium Channel Blocker Therapy in Black Hypertensive Patients". American journal of hypertension. 2010 Mar 1;23(3):219-.
*Contribution: conception and design, drafting of the manuscript, and critical revision of the manuscript.*

55. Kaufman JS, **Nguyen TT**, Cooper RS. Race, medicine, and the science behind BiDil: how ACE-Inhibition took the fall for the first ethnic drug. *The Review of Black Political Economy*. 2010 Mar; 37:115-130.
*Contribution: statistical analysis, interpretation of data, and critical revision of the manuscript.*

56. **Nguyen TT**, Kaufman JS, Whitsel EA, Cooper RS. Racial differences in blood pressure response to calcium channel blocker monotherapy: a meta-analysis. *Am J Hypertens.* 2009 Aug;22(8):911-7.
*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.*

*Articles In Press and Under Review*

57. When Y, Xiong J, Hurley M, **Nguyen TT**. Experiences of Alzheimer's Disease and Related Dementia Family Caregivers on Online Reddit Communities: A topic modeling and sentiment analysis. *Artificial Intelligence in Health*. [In press]
*Contribution: Interpretation of data, and critical revision of the manuscript.*

58. Criss S, De La Cruz M#, Thai N#, Makres K*, **Nguyen TT**. It's Not Simply Black and White: Unpacking how Black and White Women Understand Racism and Discrimination [Under review at *Sex Roles*].
*Contribution: Analysis, interpretation of data, and critical revision of the manuscript.*


II.B.     Conferences, Workshops, and Talks

II.B.1.     Invited Talks

1. **Nguyen TT.** Research Forum with White House Office of Science and Technology Policy on Challenges Facing Researchers in Using Online and Social Media Data to Study Youth. June 11, 2024

2. Puett, R. **Nguyen TT**, Nguyen QC. Research Overviews. Research and Practice Forum #2 on Societal Big Challenges: Equitable Communities. School of Architecture Planning & Preservation, Jan 31, 2023.

3. **Nguyen TT**. Hesitancy, Equity, and Barriers to Vaccine Administration Outreach Using Race Related Discussion of COVID-19 Vaccine on Twitter. Drexel Applied Management Project Summer Residency, June 29, 2022.

4. **Nguyen TT**.  Using Twitter data to Examine Area-Level Racial Bias and Health Outcomes. Department of Health Policy and Management Department Seminar, University of Maryland School of Public Health, February 10, 2022.

5. **Nguyen TT**. Using Twitter data to examine area-level racial attitudes and racial bias. Department of Epidemiology and Biostatistics Digital Health Seminar, University of California, San Francisco, December 10, 2021.

6. **Nguyen TT**. Using Twitter data to Examine Area-Level Racial Bias and Health Outcomes. Institute for H.O.P.E. Speaker Series, MetroHealth, December 6, 2021.

II.B.2.      Refereed Presentations
^denotes advised high school student; #denotes advised undergraduate students; *denotes advised graduate students; **denotes advised post-doctoral
students)

1. **Nguyen TT.** Teaching Responsible AI: Ethics of AI in Data Science, Health Care, and Education. *AcademyHealth Annual Meeting*. Baltimore, MD July 2, 2024.

2. **Nguyen TT**, Merchant JS.** Social media-derived LGBTQ+ sentiment and teen mental health. *Society for Epidemiologic Research Annual Meeting*. Austin, TX June 13, 2024

3. **Nguyen TT**. Generative AI ChatGPT responses related to HIV across gender, sexual orientation, and race/ethnicity. *APHA Annual Meeting*, Atlanta, GA November 14, 2023

4. **Nguyen TT**, Merchant JS** Hswen Y. The rise of anti-Jewish sentiment on Twitter: the impact of Elon and Kanye. *Society for Epidemiologic Research Annual Meeting*. Portland, OR June 14, 2023

5. **Nguyen TT**. Examining the impact of racial bias and discrimination on birth outcomes using Twitter data and focus groups. *APHA Annual Meeting*, Boston, MA November 8, 2022

6. **Nguyen TT.** Evaluating associations between area-level Twitter-expressed negative racial sentiment, hate crimes, and residents' racial prejudice in the United States. *European Society of Medicine General Assembly 2022*. August 4, 2022.

7. **Nguyen TT.** Infodemic Inoculation – Lessons Learned and Future Directions: Using Twitter data to examine racial sentiment and vaccine hesitancy. *SERDigital*, November 10, 2021

8. **Nguyen TT**, Fazeli S*, Ovalle A*, Zamanzadeh D*, Sarrafzadeh M, Gee GC. Identifying COVID-19 signs, symptoms, and health impacts using natural language processing and Twitter data. *Society for Epidemiologic Research Annual Meeting*, June 25, 2021.

9. **Nguyen TT.** Social media data for health equity research. *UCSF Health Services Research Symposium: Advancing Health Equity: Health Services Research and Social Determinants of Health*. San Francisco, CA, February 3, 2021.

10. **Nguyen TT.** Adams N, Huang D**, Glymour MM, Allen AM, Nguyen QC. Twitter-derived area-level measure of racial bias and birth outcomes. *NIMHD 10th Anniversary Scientific Symposium: Innovations to Promote Health Equity*, Bethesda, MD, March 3, 2020.

11. **Nguyen TT.** Adams N, Huang D**, Glymour MM, Allen AM, Nguyen QC. Determining the impact of area-level racial sentiment on birth outcomes. *American Public Health Association Annual Meeting*, October 24-24, 2020

12. **Nguyen TT**, Criss S, Allen AM, Glymour MM, Phan L [#], Trevino R [#].
Dasari S [#], Nguyen QC. Using machine learning and qualitative techniques to understand what our tweets reveal about race in the U.S., *CityMatCH Maternal and Child Health Leadership Conference*, Providence, RI, September 23-24, 2019.

13. **Nguyen TT.** Adams N, Huang D[**], Glymour MM, Allen AM, Nguyen QC. State-level racial attitudes and adverse birth outcomes: applying natural language processing to Twitter data to quantify state context for pregnant women, *Text Analysis Across Domains (TextXD)*, Berkeley, CA Dec 4, 2019.

14. **Nguyen TT.** Adams N, Huang D[**], Glymour MM, Allen AM, Nguyen QC, Twitter-derived measure of racial sentiment and birth outcomes, *Promoting Research in Social Media and Health (PRISM) Symposium*, San Francisco, CA Dec 6 2019.

15. **Nguyen TT**., Meng H, McCullough M, Sandeep S., Huang H, Yu W. Nguyen QC, Mapping discriminatory attitudes towards minorities and immigrants utilizing geotagged tweets, *American Public Health Association Annual Meeting*, November 4-8, 2017.


II.C.        Professional and Extension Publications

II.C.1.      Reports and Non-Refereed Monographs
1. DeClerque JL, Shanahan E, Nguyen TT. Impact Report for Health Resources and Services Administration (HRSA) North Carolina Healthy Start: Eastern Baby Love Plus Program. 2010.

2. DeClerque JL, Shanahan E, Nguyen TT. North Carolina Healthy Start: the ultimate stimulus package, making investments that bring returns. 2010.

3. Clarkson L., Enright D., Heidari K., Huang Y., Huston SL., Mettam LH., Nguyen TT., Winquist A. Tri-State Stroke Networks – Impact of stroke in the southeast region 2008. Raleigh, N.C.: N.C. Department of Health and Human Services. 2009.


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

II.D.1.      Grants
1. **NIH/NIA 1R56AG07951001A1, PI: Dr. Van Ta Park**
Period: 09/2023-08/2024
Asian Americans & Racism: Individual and Structural Experiences (ARISE)
Role: Co-Investigator, Site Principal Investigator of subcontract to UMD
Total direct: $2,554,390; total costs: $3,432,146
This grant will establish the first Asian American cohort to study the impact of discrimination on Alzheimer's disease and related dementias. My research team at UMD will lead the analyses for all the aims for this multi-site multi-lingual study.

2. **NIH/NIMHD 1R01MD015716A, 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: Principal Investigator
Co-investigators: Dr. Quynh Nguyen, Maria Glymour, Dr. Amani Allen, Dr. Yulin Hswen, Dr. Anusha Vable
Total direct costs: $2,083,726; Total costs: $3,135,206
(Funded on first submission, impact score: 20; percentile 5)

Administrative Supplement for R01
Period: 01/01/2024-12/31/2024
Role: Principal Investigator
Total direct costs: 199,996; Total costs: $304,799

3. **NIH/NIMHD R01MD016037, PI: Aparicio & Nguyen**
Period: 09/2021 – 06/2026
Rosie the Chatbot: Leveraging Automated and Personalized Health Information Communication to Reduce Disparities in Maternal and Child Health
Role: MPI
Total Award Amount (including Indirect Costs): $2,974,865

4. **NIH/NIMHD 1R00MD012615, PI: Thu T. Nguyen**
Period: 11/01/2019 – 10/31/2023
Place-level discrimination and birth outcomes
Role: Principal Investigator
Total direct costs: $463,257; Total cost: $746,997

5. **NIH/NIMHD 1K99MD012615, PI: Thu T. Nguyen**
Period: 04/01/2018– 03/31/2020
Place-level discrimination and birth outcomes
Role: Principal Investigator
Total direct costs: $263,757
(Funded on first submission, impact score: 32; percentile N/A)

6. **American Heart Association 16POST29660005, PI: Thu T. Nguyen**
Period: 07/01/2016– 06/30/2018
Discrimination and biomarkers of cardiometabolic risk
Role: Principal Investigator
Total direct costs: $98,950

7. **NIH/NIA R01AG039588, PI: Virginia Howard**
Period: 8/2012-5/2017
Childhood SES factors on age-related cognitive and vascular health.
Role: Graduate Research Assistant

8. **Department of Defense, W81XWH-12-1-0143, EDMS 5380, PI: M. Maria Glymour**
Period: 10/2014-4/2016

Social Resources That Preserve Functional Independence After Memory Loss
Role: Postdoctoral Scholar

II.E.     Research Fellowships, Prizes and Awards
          2024            2024 UMD SPH Research Excellence Honoree

          2020-2021       Population Health and Health Equity Scholar,
                          University of California, San Francisco

          2017-2020       National Institute on Minority Health and Health Disparities Loan
                          Repayment Program

          2011            Seiden Denny Scholarship, Department of Social Behavioral Sciences,
                          Harvard T.H. Chan School of Public Health, 2011-12

          2011            Scholarship from Julie Henry Fund, Department of Social and Behavioral
                          Sciences, Harvard T.H. Chan School of Public Health

          2010-2013       Maternal and Child Health-Epidemiology Doctoral Training Grant,
                          Department of Social and Behavioral Sciences, Harvard T.H. Chan School of
                          Public Health,

          2003            Undergraduate Research Programs Grant Award

**III.     Teaching, Extension, Mentoring, and Advising**
III.A.    Courses Taught
          2023-Present    EPIB 622 Social Determinants of Health n=11 (Spring 2024)

          2022-Present    EPIB 637 Social Epidemiologic Methods in Health Equity Research n=20
                          (Spring 2022), n=12 (Spring 2023); n=14 (Spring 2024)

          2023-Present    EPIB 786-0212 Master's Capstone Project (Graduate level) n=2 (Spring 2023);
                          n=2 (Spring 2024)

III.B.    Teaching Innovations

III.B.1.  Course or Curriculum Development
          *EPIB 637 Social Epidemiologic Methods in Health Equity Research*
          I created a graduate level course to provide students with the knowledge and skills to
          design and implement social epidemiology studies related to investigating health
          inequities. The course presents an overview of drivers of health inequities (e.g., racism,
          socioeconomic status) and conceptual and methodological challenges in empirically
          investigating these social determinants of health including issues related to confounding,
          selection bias, measurement error, and evaluation of mechanisms. EPIB 637 covers
          methodological approaches that can be used to address these challenges including
          instrumental variable analyses, difference-in-differences, mediation analyses using

inverse odds ratio weighting, and qualitative analyses. This knowledge is applied to exploring research questions of the students' choice in their final paper and presentation. The course fosters a co-learning environment and recognizes the value and strength of interdisciplinary perspectives. Curiosity and critical thinking are encouraged and supported.

III.C.     <u>Advising</u>: Research or Clinical
III.C.1.   Undergraduate
*University of Maryland*
Amrutha Alibilli     2024-Present. Volunteer research assistant. Amrutha is working on research projects examining opioid discussions online. She is also assisting on research activities related to using social media to examine racial bias.

Megha Manthripragada 2024-Present. Volunteer research assistant to assist on grant proposal to investigate the spread and use of xylazine, a veterinary sedative mixed with opioids. She is also assisting on research activities related to using social media to examine racial bias.

Azmeena Rao       2022-Present. Undergraduate hourly research assistant. Working on a variety of research tasks including data collection, generating of training data for computer models, writing and editing manuscripts

Vagmi Luhar       2022-Present. Volunteer research assistant. Working on a variety of research tasks including data collection, generating of training data for computer models, writing and editing manuscripts

Ryan Trevino       2018-2019. Volunteer research assistant. Worked on "Pride, Love & Twitter Rants: combining machine learning and qualitative techniques to understand what our tweets reveal about race in the US."

Lynn Phan         2018-2021. Volunteer research assistant. 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."

Erica Hsu         2018-2021. Volunteer research assistant. Worked on a variety of research tasks including data collection, generating of training data for computer models, writing and editing manuscripts

Leah Nguyen       2018-2021. Volunteer research assistant. Worked on a variety of research tasks including data collection, generating of training data for computer models, writing and editing manuscripts

Isha Yardi         2018-2021. Volunteer research assistant. Worked on a variety of research tasks including data collection, generating of training data for computer models, writing and editing manuscripts

*University of California, Berkeley*

Nhung Thai          2021-Present. Undergraduate hourly research assistant. Assists with study activities including recruitment, survey and focus group development. She also drafts sections of the papers presenting findings from the focus groups. First position: patient care coordinator for endocrinology clinic at Stanford Health Care.

*Brown University*

Melanie Kim          2021-Present. Undergraduate hourly research assistant. Conducts literature reviews, drafts the introduction and discussion sections of manuscripts, and helps to recruit study participants. First position: outreach specialist for HomeFirst, a leading provider of housing services; prevention, outreach, shelter, interim, and permanent housing programming for individuals who are housing insecure or unhoused in the Bay Area of California.

III.C.2.          Master's
*UMD MPH students in the Department of Epidemiology and Biostatistics*

Madania Tejan          2023-Present, Primary Advisor, Current student

Aiswarya Suriaprakash 2023-Present, Primary Advisor, Current student

Usha Singh          2023-Present, Master's Capstone Project, Committee Member, "Polysubstance Use Disorder and the Risk of Cognitive Impairment Among Women in the United States: A Systematic Literature Review"

Jess Huang          2023-Present, Master's Capstone Project, Committee Member, "A Literature Review of The Mental Health Impact of ACEs and Gender Minority Stress on Transgender Adolescents

Que Chi Nguyen Plan 2023-Present. Master's Capstone Project, Committee Member, MPH "The impacts of adverse childhood experiences on depression and anxiety in women"

Carissa Brubaker    2022-Present. Primary Advisor, Current student

Abigail Hines          2022-Present. Primary Advisor, Current student "Prior substance use and mental health among community health workers, stigma, and patient retention at HIV/TB clinics in South Africa: a moderation analysis"

Joann Wu          2022-Present. Master's Capstone Project, Primary Advisor, "Psychological Readiness in Crisis: A Comprehensive Literature Review of Interventions for Emergency First Responders to Prevent PTSD from Natural Disasters"

Kirsten Jongerling  2021-2023. Master's Capstone Project, Primary Advisor, "Barriers to Hepatitis B Vaccination Among Asian American Adults: Findings from the National Health and Nutrition Examination Survey."
First position: full-time Infection Preventionist at Frederick Health Hospital in Frederick, MD

Grace Cook          2021-2023. Master's Capstone Project, Primary Advisor,

"A Literature Review of the Social Determinants of Health Contributing to Opioid Abuse in Transgender Americans"

Crystal Najib        2022-2023. Graduate research assistant.  MPH student in Epidemiology. Crystal assists with study activities including study participant recruitment, survey and focus group development, and manuscript writing. She also helps to coordinate the Epidemiology and Biostatistics department seminars.
First position: Senior Research Assistant at the Bloomberg School of Public Health in the Data Analysis and Coordination center (DACC)

Katrina Makres      2022-Present. Graduate research assistant. MPH student in Health Equity. She assists with study activities including conducting literature reviews and drafting sections of manuscripts.
First position: CRTA Fellow within Office of Healthcare Delivery and Equity Research at the National Cancer Institute

Anne Mamish        2022-2023. Master's Capstone Project, Committee Member, MPH "Analyzing the 2019 Maryland Youth Risk Behavior Survey." First position: ORISE fellow at NCHS

Mahsa Ameri        2022-2023. Master's Capstone Project, Committee Member, MPH "The Association between Dental Visitation and Tooth Decay Among Adults using data from the National Health and Nutrition Examination Survey (NHANES)." First position:

Favour Dimelu      2022-2023. Master's Capstone Project, Committee Member, MPH "A Literature Review of the Role Implicit Bias Plays in Disparate Maternal Mortality Rates Among Black Women."
First position: Research assistant for Kentucky Cabinet for Health and Family Services, will be attending a doctoral program in the Department of Family Sciences at the University of Kentucky.

III.C.3.    Doctoral
*University of Maryland*

Daniel Smolyak     2024-Present, Doctoral dissertation, Committee member

Haley Mullen        2023-Present, Doctoral dissertation, Committee member

Nora Jameson       2022-Present. Primary Advisor, Current student. Nora was awarded the Graduate School Flagship Fellowship

Elizabeth Dennard  2022-Present.  Primary Advisor, Current student

Caitlin Flouton      2022-Present. Volunteer research assistant. Conducting literature reviews, writing, and editing manuscripts.

Hyeonjin Song       2022-Present. Doctoral dissertation, Committee member, "The Impact of climate Change on End-Stage Renal Disease Patients in the Western United States"

Weijun Yu        2022-2023. Doctoral dissertation, Committee member , "Uncovering the Hidden Population in the Transmission of COVID-19: Asymptomatic Cases." Weijun also worked as a graduate research assistant in my research lab during winter and summer breaks in 2022-2023.
First position: Senior Research Officer position, Georgetown University Global Health Institute

Deborah Shelef      2022-Present. Doctoral dissertation, Committee member, "Sources of Parental Support and their Association with Child and Family Well-being."

*University of California, San Francisco*

Akansha Batra      2020-Present. Research advisor to doctoral a doctoral student in the Department of Epidemiology and Biostatistics (DEB) at UCSF, whose research focuses on social determinants of mental health.

*University of California, Berkeley*

Monica de la Cruz    2021-Present. I advise Monica on her dissertation examining the impact of poverty and health outcomes. Her dissertation will investigate the impact of the Abundant Birth Project, the first unconditional income supplementation program targeting Black and Pacific Islander pregnant women in San Francisco, on maternal and child health. Monica is also an active member of my BD4HE research group.

Eli Michaels        2017 – 2022.  Eli was a member of my research collaborative, Big Data for Health Equity (BD4HE). I advised her on her doctoral research focusing on measuring racism. She contributed to BD4HE's research activities, including conducting analyses and drafting sections of manuscripts.

*University of Washington*

Jessie Seiler        2021-2023 Doctoral dissertation, Committee member, "Exploring the online and in-person epidemiology and etiology of white supremacy"

III.C.4.      Post-doctoral
*University of Maryland*

Kuenbok Lee      2021-2022 Postdoctoral supervisor to Keunbok who worked in my research lab. Supervised analyses with social media and national birth data.

*University of California, San Francisco*

Marilyn Thomas      2019-2021. Research advisor to a postdoctoral scholar in the Department of Epidemiology and Biostatistics at UCSF, whose research focuses on racism, police brutality, and health.

Kate Duchowny      2018-2021. Research advisor to a postdoctoral scholar in the Department of Epidemiology and Biostatistics at UCSF, whose research focuses on social determinants of muscle weakness across diverse older adult populations and its

consequences for longevity and independence across the life course. She is now a research assistant professor at University of Michigan.

III.C.5.    Other Directed Research *(e.g. K-12 Interactions)*
*High School*

Anne Wang        2023-2024. Research advisor to a high school student volunteer who interned with research lab during the summer of 2023. Anne completed an analysis of tweets from 2022 Exploring Shifts in Discussions of LGBTQ+.

Ritu Belani        2020-2022. Research advisor to high school student volunteer who worked on a variety of research tasks including, labeling tweets, creating visualizations of social media data, and literature reviews.

Manvitha Kalgari    2022-2022. Research advisor to high school student volunteer who worked on a variety of research tasks including labeling tweets, literature reviews, and manuscript writing.

Krishay Mukhija      2020-2021. Research advisor to high school student volunteer who worked on a variety of research tasks including Twitter data collection, labeling tweets, and literature reviews.

Shrikha Dasari        2018-2019. Research advisor to high school student volunteer who worked on a variety of research tasks including generating analysis of Twitter data, literature reviews, and manuscript preparation.


III.D.        Professional and Extension Education

III.D.1.    Guest Lectures *(Presented in traditional classes or for someone else's program)*

1. **Nguyen TT**. Racism and health, Guest lecture in FMSC 431: Family Crises, Emergencies, and Interventions, April 2, 2024
2. **Nguyen TT**. Racism as a determinant of health, Guest lecture in EPI 253: Advanced Health Disparities Research. University of California, San Francisco Park, March 6, 2020.

**IV.        Service and Outreach**
IV.A.        Editorships, Editorial Boards, and Reviewing Activities
IV.A.1.    Editorships
2022-Present   Associate Editor, *Journal of Epidemiology and Community Health*
2022-Present   Associate Editor, *Journal of Medical Internet Research Infodemiology*

IV.A.2.    Reviewing Activities for Journals and Presses
2022-Present   Reviewer, Journal of the American Medical Association
2020-Present   Reviewer, International Journal of Behavioral Medicine
2020-Present   Reviewer, New England Journal of Medicine
2014-Present   Reviewer, Social Science & Medicine
2014-Present   Reviewer, Social Science & Medicine Population Health
2011-Present   Reviewer, Epidemiology
2011-Present   Reviewer, American Journal of Hypertension

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|---|---|
| 2011-Present | Reviewer, American Journal of Epidemiology |
| 2010-Present | Reviewer, Stress and Health |

IV.A.3.    Reviewing Activities for Agencies and Foundations

| | |
|---|---|
| 12/2023 | NIH Special emphasis panel (SEP) NICHD P50 mechanism – Specialized Centers for Research on Health Disparities in Uterine Leiomyoma |
| 6/2023 | NIH Special emphasis panel (SEP) for U24 -- Community Partnerships to Advance Science for Society (ComPASS) Coordinating Center |
| 3/2023 | NIH Review panel for NIMHD Loan Repayment Program |
| 6/2022 | NIH Review panel for Career Development Programs (K01, K08, K23, K99) |
| 11/2021 | NIH Special emphasis panel (SEP) for RFA-MD-21-004, NIMHD Impact of Structural Racism and Discrimination on Minority Health and Health Disparities Special Emphasis Panel meeting |

IV.B.    Committees, Professional & Campus Service
IV.B.1.    Campus Service – Department
*UMD Department of Epidemiology and Biostatistics*

| | |
|---|---|
| 2024-present | Member, EPIB Executive Committee |
| 2022-present | Chair, EPIB Department Seminar |
| 2022-present | Member, Comprehensive Exam Committee |
| 2022-present | Member, Graduate Curriculum Committee |
| 2021-present | PhD and MPH in Epidemiology Admissions Committee |

*UCSF Department of Family and Community Medicine*

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|---|---|
| 2019-2021 | Caucus facilitator for Non-Black People of Color, Diversity, Equity, Inclusion, and Anti-Oppression Committee |
| 2019-2021 | Praxis subcommittee member, Diversity, Equity, Inclusion, and Anti - Oppression Committee |

IV.B.2.    Campus Service – College
IV.B.3.    Campus Service – University

| | |
|---|---|
| 2022-Present | Committee Member, Senate Diversity, Equity, Inclusion Committee |
| 2022-2023 | Grant reviewer, UMD - Grand Challenge Grants Program |
| 2020-Present | Founding Director, Big Data for Health Equity (BD4HE), an interdisciplinary, interuniversity research collaborative (with faculty and students from UMD, UCSF, UCLA, UC Berkeley, Furman University, Harvard University, and Stanford University) |
| 2019-Present | UCSF Promoting Research in Social Media (PRISM), Steering Committee |

IV.C.    Media Contributions

IV.C.1.     Digital Media

Annie Krakower. Walkability in Neighborhoods Linked to Health, Study of Siblings Shows. Maryland Today. June 10, 2024. Maryland Today.

What makes roads safer? New UMD study uses AI to find out. More greenery, sidewalks and streetlights mean fewer fatal collisions. June 7, 2024. SPH UMD News.

Tweets and changes in racial sentiment. Free Associations Podcast. April 23, 2024 https://populationhealthexchange.org/fa-episode-145/

Allison Eatough. $3.4M Grant to Fund Study of How Racism, Social Support Affect Devastating Brain Diseases: Project by UMD Researcher and Colleagues Will Focus on Asian American Groups Underrepresented in Neurology Research. Maryland Today. October 19, 2023.

Shaniece Criss. Having Babies: From Cotton Fields to Twitter. TEDxFurmanU. Video: https://youtu.be/8JjAyB3pcbU. Dr. Shaniece Criss highlights research with Dr. Thu Nguyen in her TED talk, May 15, 2023

Musings from the Mezzanine: Innovations in Health Information from the Director of the National
Library of Medicine. https://nlmdirector.nlm.nih.gov/2023/02/15/can-computer-vision-models-help-us-picture-better-health-outcomes/ February 15, 2023

Mario Morais. Elon Musk's acquisition of Twitter, Black Explosion Newspaper, November 8, 2022

Margaret Hicken, Sameera Nayak. Interdisciplinary Association for Public Health Science (IAPHS) Member of the Month: Dr. Thu Nguyen, July 6, 2022

Inspiring SPH Women and the Women Who Inspire Them, UMD School of Public Health News, March 17, 2022

Jack Hughes. Study shows temporary decline in anti-Black sentiment following George Floyd's death, Daily Californian, October 12, 2021

Kelly Blake. Study: Anti-Black Racism Fell—Temporarily—Following Floyd's Killing: UMD Researchers Studied Millions of Tweets for Evidence of Bias, Maryland Today, September 27, 2021

Clinton Colmenares. Students study race, COVID-19 in tweets, Furman News. June 29, 2021.

Liv Osly. NIH Study Funds New Way to Measure Link Between Racial Inequity and Preterm Births, Furman News. March 16, 2021.

Liv Osly. Studying the Health Implications of Racist Tweets. Furman News. January 22, 2021.

Paola Scommegna. High Premature Birth Rates Among U.S. Black Women May Reflect the Stress of Racism and Health and Economic Factors, PRB (Population Reference Bureau). Jan 21, 2021.

Liselle Yorke. Neighborhood Racial Segregation and Negative Sentiments Toward People of Color Linked to Premature Births. PRB (Population Reference Bureau). Jan 21, 2021.

Julie Morita. Commentary: Racism is the other virus sweeping America during the pandemic. Chicago Tribune. April 20, 2020.

One in 5 Patients Report Discrimination in Health Care. Science Daily. December 14, 2017.

Race, Age Bias Common in U.S. Medical Care: Survey. U.S. News and World Report. December 14, 2017.