CURRICULUM VITAE

AHMED A. ARIF, PHD

Professor, Department of Public Health and Health Administration
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EDUCATION

2018–2020	**Graduate Certificate, Geographic Information Systems** North Carolina State University, Raleigh, NC
1996–2001	**PhD, Epidemiology** The University of Texas Health Science Center at Houston, School of Public Health, Houston, TX
1994–1996	**MS, Biology** Western Kentucky University, Bowling Green, KY
1985–1991	**MBBS (Bachelor of Medicine, Bachelor of Surgery)** Sind Medical College, University of Karachi, Karachi, Pakistan

PROFESSIONAL AND ACADEMIC APPOINTMENTS

Faculty and Administrative Appointments

2020–present	**Professor (with tenure)** Department of Public Health and Health Administration (formerly Department of Epidemiology and Community Health; Department of Public Health Sciences), College of Health and Human Services, University of North Carolina at Charlotte, Charlotte, NC
2022–2025	**Director, PhD Programs in Public Health Sciences and Epidemiology** Department of Public Health and Health Administration, College of Health and Human Services, University of North Carolina at Charlotte, Charlotte, NC
2009–10; 2016–22	**Coordinator, Public Health Minor Program** Department of Public Health and Health Administration, College of Health and Human Services, University of North Carolina at Charlotte, Charlotte, NC
2007–2020	**Associate Professor (with tenure)** Department of Public Health and Health Administration, College of Health and Human Services, University of North Carolina at Charlotte, Charlotte, NC
2007–2025	**Adjunct Associate Professor** Division of Epidemiology, Human Genetics and Environmental Sciences, The University of Texas Health Science Center at Houston, School of Public Health, Houston, TX
2004–2006	**Division Chief, Health Services Research and Management** Texas Tech University Health Sciences Center, Lubbock, TX

2001–2007	**Assistant Professor (tenure track)** Department of Family and Community Medicine, Division of Health Services Research (formerly Department of Health Services Research, 2001–2003), Texas Tech University Health Sciences Center School of Medicine, Lubbock, TX
2001–2007	**Adjunct Assistant Professor** Division of Environmental and Occupational Health, The University of Texas Health Science Center at Houston, School of Public Health, Houston, TX

Graduate Training and Clinical Experience

2001	**Teaching Assistant, *Biometry*** The University of Texas Health Science Center at Houston, School of Public Health, Houston, TX
1999, 2001	**Teaching Assistant, *Epidemiology*** The University of Texas Health Science Center at Houston, School of Public Health, Houston, TX
1997–2000	**Graduate Assistant** The University of Texas Health Science Center at Houston, School of Public Health, Houston, TX
1994–1996	**Teaching Assistant/Associate, *Biology*** Department of Biology, Western Kentucky University, Bowling Green, KY
1994	**Medical Officer** Sind Government Lyari General Hospital, Karachi, Pakistan
1993–1994	**Postgraduate Trainee** Department of Clinical Pathology, Jinnah Postgraduate Medical Centre, Karachi, Pakistan
1991–1992	**Clinical Internship** Departments of Medicine and Pathology, Jinnah Postgraduate Medical Centre, Karachi, Pakistan

PUBLICATIONS

Asterisk (*) denotes student or advisee author.

Peer-Reviewed Journal Articles (n = 70)

1. Aziz B, **Arif AA**, Kazi K, Kirmani S, Ansar Z, Nasir A, Ibrahim SH, Ahmed KM, Hasan Z, Khan S. Analysis of spinal muscular atrophy patients from the spinal muscular atrophy and muscular dystrophy registry of Pakistan. *J Neuromuscul Dis.* 2025;12(2):260-270. doi:10.1177/22143602241301657
2. **Arif AA**, *Adeyemi O, Laditka SB, Laditka JN. Suicide rates and risks across U.S. industries: a 29-year population-based survey. *Arch Suicide Res.* 2024;28(4):1310-1335. doi:10.1080/13811118.2023.2300324
3. Adeyemi OJ, Paul R, Akinsola OO, Bouillon-Minois JB, Arinxe GR, **Arif AA**. Poverty, health care access barriers, and functional limitations among individuals with chronic obstructive pulmonary disease: an 11-year cross-sectional analysis, 2008-2018. *J Health Care Poor Underserved.* 2023;34(2):652-672. doi:10.1353/hpu.2023.0056
4. Laditka JN, Laditka SB, **Arif AA**, Adeyemi O. Psychological distress is more common in some occupations and increases with job tenure: a thirty-seven year panel study in the United States. *BMC Psychol.* 2023;11:95. doi:10.1186/s40359-023-01119-0

5. Adeyemi O, Paul R, Delmelle E, DiMaggio C, **Arif AA**. Road environment characteristics and fatal crash injury during the rush and non-rush hour periods in the U.S.: model testing and cluster analysis. *Spat Spatiotemporal Epidemiol.* 2023;44:100562. doi:10.1016/j.sste.2022.100562
6. *Adeyemi O, Paul R, DiMaggio C, Delmelle E, **Arif AA**. An assessment of the non-fatal crash risks associated with substance use during rush and non-rush hour periods in the United States. *Drug Alcohol Depend.* 2022;234:109386. doi:10.1016/j.drugalcdep.2022.109386
7. Paul R, *Adeyemi O, **Arif AA**. Estimating mortality from coal workers' pneumoconiosis among Medicare beneficiaries using binary regressions for spatially sparse data. *Am J Ind Med.* 2022;65(4):262-267. doi:10.1002/ajim.23330
8. *Adeyemi O, Paul R, **Arif AA**. An assessment of the rural-urban differences in the crash response time and county-level crash fatalities in the United States. *J Rural Health.* 2022;38(4):999-1010. doi:10.1111/jrh.12627
9. *Adeyemi O, Paul R, DiMaggio C, Delmelle E, **Arif AA**. The association of crash response times and deaths at the crash scene: a cross-sectional analysis using the 2019 National Emergency Medical Service Information System. *J Rural Health.* 2022;38(4):1011-1024. doi:10.1111/jrh.12666
10. *Adeyemi O, **Arif AA**, Paul R. Exploring the relationship of rush hour period and fatal and non-fatal crash injuries in the U.S.: a systematic review and meta-analysis. *Accid Anal Prev.* 2021;163:106462. doi:10.1016/j.aap.2021.106462
11. Paul R, **Arif AA**, *Pokhrel K, *Ghosh S. The association of social determinants of health with COVID-19 mortality in rural and urban counties. *J Rural Health.* 2021;37(2):278-286. doi:10.1111/jrh.12557
12. **Arif AA**, *Adeyemi O, Laditka SB, Laditka JN, Borders T. Suicide mortality rates in farm-related occupations and the agriculture industry in the United States. *Am J Ind Med.* 2021;64(11):960-968. doi:10.1002/ajim.23287
13. Paul R, *Adeyemi O, *Ghosh S, *Pokhrel K, **Arif AA**. Dynamics of COVID-19 mortality and social determinants of health: a spatiotemporal analysis of exceedance probabilities. *Ann Epidemiol.* 2021;62:51-58. doi:10.1016/j.annepidem.2021.05.006
14. *Bably M, **Arif AA**, *Post A. Prenatal use of cleaning and scented products and its association with childhood asthma, asthma symptoms, and behavioral and developmental comorbidities. *J Asthma.* 2021;58(1):46-51. doi:10.1080/02770903.2019.1656229
15. **Arif AA**, *Adeyemi O. Mortality among workers employed in the mining industry in the United States: a 29-year analysis of the National Health Interview Survey-Linked Mortality File, 1986-2014. *Am J Ind Med.* 2020;63(10):851-858. doi:10.1002/ajim.23160
16. Paul R, **Arif AA**, *Adeyemi O, *Ghosh S, Han D. Progression of COVID-19 from urban to rural areas in the United States: a spatiotemporal analysis of prevalence rates. *J Rural Health.* 2020;36(4):591-601. doi:10.1111/jrh.12486
17. Laditka JN, Laditka SB, **Arif AA**, *Hoyle JN. Work-related asthma in the USA: nationally representative estimates with extended follow-up. *Occup Environ Med.* 2020;77(9):617-622. doi:10.1136/oemed-2019-106121
18. **Arif AA**, *Adeyemi O. The prevalence of chronic diseases among current and ex-miners in the United States. *J Occup Environ Med.* 2020;62(3):227-231. doi:10.1097/JOM.0000000000001809
19. **Arif AA**, Paul R, Delmelle E, *Owusu C, *Adeyemi O. Estimating the prevalence and spatial clusters of coal workers' pneumoconiosis cases using Medicare claims data, 2011-2014. *Am J Ind Med.* 2020;63(6):478-483. doi:10.1002/ajim.23104

20. *Ahmed HM, Advani R, **Arif AA**, Khan S. An assessment of the knowledge, attitudes, and practices of patients and families with diagnoses of hereditary neuromuscular disorders. *Neuroepidemiology*. 2020;54(3):265-271. doi:10.1159/000505330

21. Lai D, **Arif AA**, Xu H, Delclos GL. A comparative study of three classification procedures: asthma among healthcare professionals in Texas. *Int J Clin Biostat Biom*. 2019;5:021. doi:10.23937/2469-5831/1510021

22. Chen S, Lanzas C, Lee C, Zenarosa G, **Arif AA**, Dulin M. Metapopulation model from pathogen's perspective: a versatile framework to quantify pathogen transfer and circulation between environment and hosts. *Sci Rep*. 2019;9(1):1694. doi:10.1038/s41598-018-37938-0

23. **Arif AA**, *Veri SD. The association of prenatal risk factors with childhood asthma. *J Asthma*. 2019;56(10):1056-1061. doi:10.1080/02770903.2018.1515224

24. Tarlo SM, **Arif AA**, Delclos GL, Henneberger P, *Patel J. Opportunities and obstacles in translating evidence to policy in occupational asthma. *Ann Epidemiol*. 2018;28(6):392-400. doi:10.1016/j.annepidem.2017.03.002

25. **Arif AA**, Racine EF. Does longer duration of breastfeeding prevent childhood asthma in low-income families? *J Asthma*. 2017;54(6):600-605. doi:10.1080/02770903.2016.1247167

26. **Arif AA**, *Mitchell C. Use of exhaled nitric oxide as a biomarker in diagnosis and management of chronic obstructive pulmonary disease. *J Prim Care Community Health*. 2016;7(2):102-106. doi:10.1177/2150131915624922

27. **Arif AA**, *Korgaonkar P. The association of childhood asthma with mental health and developmental comorbidities in low-income families. *J Asthma*. 2016;53(3):277-281. doi:10.3109/02770903.2015.1089277

28. *Khan S, **Arif AA**, Laditka JN, Racine EF. Prenatal exposure to secondhand smoke may increase the risk of postpartum depressive symptoms. *J Public Health (Oxf)*. 2015;37(3):406-411. doi:10.1093/pubmed/fdv083

29. *Naenifard H, **Arif AA**, Huber LR, Warner J. Risk factors of Epstein-Barr virus infection among United States children: data from the National Health and Nutrition Examination Survey (NHANES), 2009-2010. *J Prim Care Community Health*. 2015;6(3):177-181. doi:10.1177/2150131915573472

30. *Bruning J, **Arif AA**, Rohrer JE. Medical cost and frequent mental distress among the non-elderly US adult population. *J Public Health (Oxf)*. 2014;36(1):134-139. doi:10.1093/pubmed/fdt029

31. *Levesque DL, **Arif AA**. Does the perception of psychosocial factors increase the risk of pesticide exposure among seasonal Hispanic farmworkers? *Int J Occup Environ Med*. 2014;5(2):72-77.

32. *Shahbazi S, **Arif AA**, Portwood SG, Thompson ME. Risk factors of smoking among health care professionals. *J Prim Care Community Health*. 2014;5(4):228-233. doi:10.1177/2150131914527618

33. *Raja J, **Arif AA**, Warren-Findlow J, Racine B. Analysis of the efficacy of the US charity care system. *World Med Health Policy*. 2013;5(3):233-244.

34. *Onsomu EO, Kimani JK, Abuya BA, **Arif AA**, Moore D, Duren-Winfield V, Harwell G. Delaying sexual debut as a strategy for reducing HIV epidemic in Kenya. *Afr J Reprod Health*. 2013;17(2):46-57.

35. **Arif AA**, Delclos GL. Association between cleaning-related chemicals and work-related asthma and asthma symptoms among healthcare professionals. *Occup Environ Med*. 2012;69(1):35-40. doi:10.1136/oem.2011.064865

36. *Levesque DL, **Arif AA**, Shen J. Effectiveness of pesticide safety training and knowledge about pesticide exposure among Hispanic farmworkers. *J Occup Environ Med*. 2012;54(12):1550-1556. doi:10.1097/JOM.0b013e3182677d96

37. *Levesque DL, **Arif AA**, Shen J. Association between workplace and housing conditions and use of pesticide safety practices and personal protective equipment among North Carolina farmworkers in 2010. *Int J Occup Environ Med*. 2012;3(2):53-67.

38. *Segev Z, **Arif AA**, Rohrer JE. Activity limitations and healthcare access as correlates of frequent mental distress in adults 65 years and older: a behavioral risk factor surveillance study—2008. *J Prim Care Community Health*. 2012;3(1):17-22. doi:10.1177/2150131911412380

39. *Turner DP, Thompson ME, Huber LR, **Arif AA**. Depressive symptoms and academic performance of North Carolina college students. *N C Med J*. 2012;73(3):169-175.

40. **Arif AA**. The association between symptomatic asthma and neurobehavioral comorbidities among children. *J Asthma*. 2010;47(7):792-796. doi:10.3109/02770903.2010.491148

41. **Arif AA**, Delclos GL, Serra C. Occupational exposures and asthma among nursing professionals. *Occup Environ Med*. 2009;66(4):274-278. doi:10.1136/oem.2008.042382

42. Delclos GL, Gimeno D, **Arif AA**, Benavides FG, Zock JP. Occupational exposures and asthma in health-care workers: comparison of self-reports with a workplace-specific job exposure matrix. *Am J Epidemiol*. 2009;169(5):581-587. doi:10.1093/aje/kwn387

43. Racine EF, Jemison K, Huber LR, **Arif AA**. The well-being of children in food-insecure households: results from the Eastern Caribbean Child Vulnerability Study 2005. *Public Health Nutr*. 2009;12(9):1443-1450. doi:10.1017/S1368980008004229

44. **Arif AA**. Presence of asthma with night-time asthma symptoms is associated with impaired health-related quality of life in children. *J Asthma*. 2008;45(10):908-910. doi:10.1080/02770900802386016

45. **Arif AA**, Hughes PC, Delclos GL. Occupational exposures among domestic and industrial professional cleaners. *Occup Med (Lond)*. 2008;58(7):458-463. doi:10.1093/occmed/kqn082

46. Bandiera FC, Pereira DB, **Arif AA**, Dodge B, Asal N. Race/ethnicity, income, chronic asthma, and mental health: a cross-sectional study using the behavioral risk factor surveillance system. *Psychosom Med*. 2008;70(1):77-84. doi:10.1097/PSY.0b013e31815ff3ad

47. **Arif AA**, Delclos GL, Colmer-Hamood J. Association between asthma, asthma symptoms and C-reactive protein in US adults: data from the National Health and Nutrition Examination Survey, 1999-2002. *Respirology*. 2007;12(5):675-682. doi:10.1111/j.1440-1843.2007.01122.x

48. **Arif AA**, Shah SM. Association between personal exposure to volatile organic compounds and asthma among US adult population. *Int Arch Occup Environ Health*. 2007;80(8):711-719. doi:10.1007/s00420-007-0183-2

49. Delclos GL, Gimeno D, **Arif AA**, Burau KD, Carson A, *Lusk C, et al. Occupational risk factors and asthma among health care professionals. *Am J Respir Crit Care Med*. 2007;175(7):667-675. doi:10.1164/rccm.200609-1331OC

50. Rohrer JE, **Arif AA**, *Denison A, Young R, Adamson S. Overall self-rated health as an outcome indicator in primary care. *J Eval Clin Pract*. 2007;13(6):882-888. doi:10.1111/j.1365-2753.2006.00766.x

51. **Arif AA**, Rohrer JE. The relationship between obesity, hyperglycemia symptoms, and health-related quality of life among Hispanic and non-Hispanic white children and adolescents. *BMC Fam Pract*. 2006;7:3. doi:10.1186/1471-2296-7-3

52. Delclos GL, **Arif AA**, Aday L, Carson A, Lai D, *Lusk C, et al. Validation of an asthma questionnaire for use in healthcare workers. *Occup Environ Med*. 2006;63(3):173-179. doi:10.1136/oem.2005.021634

53. Pierce JR Jr, *Denison AV, **Arif AA**, Rohrer JE. Living near a trail is associated with increased odds of walking among patients using community clinics. *J Community Health*. 2006;31(4):289-302. doi:10.1007/s10900-006-9014-8

54. Roongsritong C, Bradley J, Sutthiwan P, Simoni J, **Arif AA**, Meyerrose G. Elevated carboxy-terminal peptide of procollagen type I in elderly patients with diastolic dysfunction. *Am J Med Sci.* 2006;331(3):131-133. doi:10.1097/00000441-200603000-00004

55. Shah SM, Ross AG, Chotani R, **Arif AA**, Neudorf C. Tuberculin reactivity among health care workers in nonhospital settings. *Am J Infect Control.* 2006;34(6):338-342. doi:10.1016/j.ajic.2006.02.005

56. Shome GP, Starnes JD 3rd, Shearer M, Kennedy R, Way A, **Arif AA**, Prabhakar S. Exhaled nitric oxide in asthma: variability, relation to asthma severity, and peripheral blood lymphocyte cytokine expression. *J Asthma.* 2006;43(2):95-99. doi:10.1080/02770900500497925

57. **Arif AA**, Rohrer JE. Patterns of alcohol drinking and its association with obesity: data from the Third National Health and Nutrition Examination Survey, 1988-1994. *BMC Public Health.* 2005;5:126. doi:10.1186/1471-2458-5-126

58. **Arif AA**, Rohrer JE, Delclos GL. A population-based study of asthma, quality of life, and occupation among elderly Hispanic and non-Hispanic whites: a cross-sectional investigation. *BMC Public Health.* 2005;5:97. doi:10.1186/1471-2458-5-97

59. **Arif AA**, Borders TF, Patterson PJ, Rohrer JE, Xu KT. Prevalence and correlates of paediatric asthma and wheezing in a largely rural USA population. *J Paediatr Child Health.* 2004;40(4):189-194. doi:10.1111/j.1440-1754.2004.00335.x

60. **Arif AA**, *Venati G, Borders TF, Rohrer JE. Correlates of physician visits among children and adolescents in west Texas: effects of hyperglycemia symptoms. *J Rural Health.* 2004;20(3):296-300. doi:10.1111/j.1748-0361.2004.tb00042.x

61. Borders TF, *Brannon-Goedeke A, **Arif AA**, Xu KT. Parents' reports of children's medical care access: are there Mexican-American versus non-Hispanic white disparities? *Med Care.* 2004;42(9):884-892. doi:10.1097/01.mlr.0000135818.47100.8c

62. Rohrer JE, **Arif AA**, Pierce JR Jr, Blackburn C. Unsafe neighborhoods, social group activity, and self-rated health. *J Public Health Manag Pract.* 2004;10(2):124-129. doi:10.1097/00124784-200403000-00006

63. Xu KT, Borders TF, **Arif AA**. Ethnic differences in parents' perception of participatory decision-making style of their children's physicians. *Med Care.* 2004;42(4):328-335. doi:10.1097/01.mlr.0000118707.99818.cc

64. **Arif AA**, Delclos GL, Lee ES, Tortolero SR, Whitehead LW. Prevalence and risk factors of asthma and wheezing among US adults: an analysis of the NHANES III data. *Eur Respir J.* 2003;21(5):827-833. doi:10.1183/09031936.03.00054103a

65. **Arif AA**, Delclos GL, Whitehead LW, Tortolero SR, Lee ES. Occupational exposures associated with work-related asthma and work-related wheezing among U.S. workers. *Am J Ind Med.* 2003;44(4):368-376. doi:10.1002/ajim.10291

66. **Arif AA**, Patterson P, Borders TF, Shah SM. The epidemiology of unintentional non-fatal injuries among children in the South Plains/Panhandle region of Texas. *Tex J Rural Health.* 2003;21(2):31-41.

67. Allen DD, N. B., Lee JW, Bickel U, Haase MR, **Arif AA**. Evaluation of novel teaching approaches in the Texas Tech University HSC School of Pharmacy elective, Drugs of Abuse. *J Pharm Teach.* 2002;10(1):1-16.

68. **Arif AA**, Whitehead LW, Delclos GL, Tortolero SR, Lee ES. Prevalence and risk factors of work related asthma by industry among United States workers: data from the third national health and nutrition examination survey (1988-94). *Occup Environ Med.* 2002;59(8):505-511. doi:10.1136/oem.59.8.505

69. Shah SM, **Arif AA**, Delclos GL, Khan AR, Khan A. Prevalence and correlates of smoking on the roof of the world. *Tob Control*. 2001;10(1):42. doi:10.1136/tc.10.1.e1

70. **Arif AA**, Gao L, Davis CD, Helm DS. Antibody response to heat shock proteins and histopathology in mice infected with *Trypanosoma cruzi* and maintained at elevated temperature. *J Parasitol*. 1999;85(6):1089-1099.

Manuscripts Under Review

1. Paul R, Faruk T, Williams J, **Arif AA**. Estimating prevalence of alcohol presence among fall patients 45 years and older using missing not at random and small area estimation techniques. *Injury Epidemiology*.
2. **Arif AA**. Assessing confounding by indication when the indication is unmeasured: a multi-method applied example using early-life antibiotics and childhood asthma. *J Asthma* .
3. **Arif AA**, Ekwonwa E. Suicide mortality in rural and urban areas of the United States: evidence from 29 years of linked National Health Interview Survey data. *Journal of Rural Health*.
4. **Arif AA**. Suicide risk across 41 U.S. occupations: estimates from 29 years of mortality-linked National Health Interview Survey data. *American Journal of Industrial Medicine*.
5. **Arif AA**, Bin Abdul Baten R, Quazi Minhaz T. Rural–urban disparities in health care access and insurance coverage before, during, and after the COVID-19 public health emergency: Behavioral Risk Factor Surveillance System, 2018–2025. *American Journal of Public Health*

Manuscripts in Preparation

1. **Arif AA**, Paul R, Brooks B, Desai U. Non-invasive ventilation and the rate of ALSFRS-R decline in non-bulbar ALS: a single-center cohort study.

Reports and Other Publications

1. Aziz B, **Arif AA**, Malik MGR, Kirmani S, Ansar Z, Nasir A, Hasan Z, Khan S. Clinical and genetic spectrum of Duchenne muscular dystrophy: insights from Pakistan's first national muscular dystrophy registry. *SSRN* [preprint]. 2025. doi:10.2139/ssrn.5316038
2. Tabassum QM, Baten RBA, **Arif AA**. *Rural-Urban Disparities in Dental Care Utilization After a Public Health Emergency*. Lexington, KY: Rural and Underserved Health Research Center; 2026.
3. **Arif AA**, Owusu C, Paul R, Blanchette CM, Patel RP, Borders TF. *Spatial Analysis of Health Care Utilization among Medicare Beneficiaries with Coal Workers' Pneumoconiosis and Other Related Pneumoconiosis*. Lexington, KY: Rural and Underserved Health Research Center; 2021.
4. **Arif AA**. *Assessment of Knowledge, Competence, and Job Training among Professional Cleaners*. Final report to the Faculty Research Grants Office, UNC Charlotte; August 2010. [Funded by Faculty Research Grants, UNC Charlotte]
5. **Arif AA**, Delclos GL, Symanski E, Hughes P. *Occupational Asthmagens in Cleaners: A Focus Group Study*. Final report to the National Institute for Occupational Safety and Health (NIOSH); September 2007. [Funded by NIOSH]
6. **Arif AA**. Alcohol not only affects one's mind, but also the waistline. *Lubbock Avalanche-Journal* (newspaper), Lubbock, TX. March 8, 2007:B3.
7. **Arif AA**, Green RS. *The Prevalence of Mental Illness and Substance Abuse in Rural Areas in West Texas*. Final report to the West Texas Rural EXPORT Center; August 2006. [Funded by West Texas Rural EXPORT Center, TTUHSC]

8. **Arif AA**, Borders TF, Xu K, Rohrer JE. *Disparities in Asthma among Elderly in West Texas*. Final report to the National Institute on Aging (NIA); November 2005. [Funded by NIA]
9. **Arif AA**, Borders TF, Rohrer JE. *Childhood Diabetes Survey*. Final progress report submitted to Texas Tech University Health Sciences Center, Lubbock, TX; February 2003.

RESEARCH SUPPORT (COMPLETED)

Changes in Access to Care during the Public Health Emergency: Examining Rural-Urban Disparities by Insurance Type

Principal Investigator | Agency: Federal Office of Rural Health Policy, Health Resources and Services Administration (HRSA), through the University of Kentucky Center for Rural and Underserved Health Research (IPF-570547) | Period: 05/15/2024 – 08/31/2025 | Amount: $60,000 total ($38,961 direct); my share $16,982

Compared key insurance coverage and access-to-care indicators among adults residing in rural and urban areas before and after the Public Health Emergency, using data from the Behavioral Risk Factor Surveillance System (BRFSS), a nationally representative telephone survey of U.S. residents' access to care, risk behaviors, chronic health conditions, and use of preventive services.

Classification and Nowcasting of Homicide Types Using Natural Language Processing and Machine Learning Techniques (IPF2024-0604)

Co-Investigator | PI: Rajib Paul | Agency: CDC/APHA | Period: 04/02/2024 – 04/30/2025 | Amount: $167,365; my share $20,662

Using the CDC's National Violent Death Reporting System (NVDRS), developed an algorithm to speed the processing, structuring, and organization of homicide data from unstructured text, and a spatiotemporal nowcasting model for near-term prediction of county-level homicide rates.

Improving Community Wellness by Identifying Community-Level Factors and Their Interactions with Individual-Level Factors for Preventing Alcohol-Related Falls in Adults Aged 45 Years and Above (IPF2024-0751)

Co-Investigator | PI: Rajib Paul | Agency: Community Health & Wellness Annual Grant Program, Mecklenburg County | Period: 07/01/2024 – 06/30/2025 | Amount: $74,927; my share $14,119

Fusing National and Local Health Data for Geospatial Analyses to Mitigate Motor Vehicle Crash Injuries and Deaths from Alcohol and Substance Use

Co-Investigator | PI: Rajib Paul | Agency: APHA/CDC | Period: 2021 – 2022 | Amount: $94,000

Using a data science approach, addressed substance use–related crash injuries using Atrium Health trauma registry data and publicly available national databases to examine geographic (e.g., urban vs. rural) disparities and other social inequities that contribute to impaired driving.

Objective Measures of Structural Racism Using Spatial Analytics

Co-Investigator | PI: Rajib Paul | Agency: UNC Charlotte School of Data Science Summer Research Grant Program | Period: 05/31/2021 – 07/31/2021 | Amount: $10,000

Occupational Risk Factors of Mental Illnesses and Death by Suicide

Principal Investigator | Agency: Federal Office of Rural Health Policy, HRSA, through the University of Kentucky Center for Rural and Underserved Health Research | Period: 01/01/2019 – 12/31/2021 | Amount: $179,466 (total cost) | FTE: 13%

Evaluated the association of occupational risk factors with mental illnesses, all-cause mortality, and suicide using the National Health Interview Survey (NHIS) and the Panel Study of Income Dynamics (PSID).

Lung Diseases among Coal Miners

Principal Investigator | Agency: Federal Office of Rural Health Policy, HRSA, through the University of Kentucky Center for Rural and Underserved Health Research | Period: 09/01/2017 – 08/31/2020 | Amount: $121,361 (total cost) | FTE: 14%

Assessed the distribution of lung diseases including coal workers' pneumoconiosis and related conditions across U.S. regions, identified patterns of health care utilization among coal workers relative to HRSA-funded Black Lung Clinics, and compared health care utilization, health behaviors, and comorbidities among miners and non-miners.

Does Exclusive Breastfeeding Protect against Asthma among Children in Low-Income Families? An International Perspective

Principal Investigator | Agency: UNC Charlotte (Grant #1-11657) | Period: 01/2012 – 05/2013 | Amount: $6,000 | FTE: 10%

Case-control study of the association of indoor environmental and lifestyle factors with childhood asthma among low-income families in Karachi, Pakistan.

Assessment of Knowledge, Competence, and Job Training among Professional Cleaners

Principal Investigator | Agency: UNC Charlotte | Period: 01/2008 – 05/2009 | Amount: $6,000 | FTE: 10%

Pilot-tested an occupation-specific survey instrument to quantitatively assess knowledge, skills, and level of training in domestic and industrial cleaners.

Occupational Asthmagens in Cleaners: A Focus Group Study

Principal Investigator | Agency: National Institute for Occupational Safety and Health (NIOSH/CDC), R03 OH008136-01 | Period: 09/01/2004 – 06/30/2006 (no-cost extension to 06/30/2007) | Amount: $148,000 (total cost) | FTE: 10%

Characterized occupational exposures in domestic and industrial cleaners.

Prevalence of Mental Health and Substance Abuse in Rural West Texas

Principal Investigator | Agency: West Texas Rural EXPORT Center | Period: 02/2006 – 07/2006 | Amount: $7,500 | FTE: 10%

Explored and reported existing sources of data related to mental health and substance abuse in West Texas.

Disparities in Asthma among Elderly in West Texas

Principal Investigator | Agency: National Institute on Aging (NIA/NIH), 1R03AG020986-01 | Period: 09/15/2003 – 09/14/2004 (no-cost extension to 09/14/2005) | Amount: $74,250 | FTE: 15%

Estimated and compared the prevalence of asthma, asthma symptoms, and allergies among elderly persons; assessed the impact of asthma on quality of life; and compared prescription medication costs among subjects with and without asthma and their effect on quality of life.

A Validated Asthma Questionnaire for Healthcare Workers

Subcontract Principal Investigator | PI: George Delclos | Subcontract: The University of Texas Health Science Center at Houston, School of Public Health | Agency: NIOSH/CDC, 1 R01 OH03945-01 | Period: 09/30/2001 – 09/29/2004 (no-cost extension to 09/29/2005) | Amount: $350,000 (direct cost); subcontract $20,129 | FTE: 5%

Developed and validated an occupational asthma questionnaire for use in health care workers and tested the instrument in a larger population of four health care worker groups.

Personality Types and Other Risk Factors for Unhealthy Behaviors among College Students

Co-Investigator | PI: Donna Bacchi-Smith | Agency: TTUHSC Center for Tobacco Prevention and Control | Period: 09/01/2003 – 08/31/2004 | Amount: $45,000

Examined how five personality factors (agreeableness, conscientiousness, emotional stability, extraversion, and openness) are associated with poor health behaviors and health status among college students.

Risk Factors for Pediatric Asthma in West Texas

Principal Investigator | Agency: State appropriated funding, TTUHSC | Period: 03/01/2002 – 08/31/2002 | Amount: $18,715 | FTE: 10%

Studied risk factors for asthma in children aged 16 and under in West Texas and compared ethnic disparities in utilization of health services; follow-up to the "Asthma and Injury" survey.

Texas Tech 5000 Survey

Co-Investigator | PI: James Rohrer | Agency: Administration on Aging, 90AM2378 | Period: 09/01/2001 – 08/31/2003 | Amount: $300,000 (direct cost) | FTE: 15%

Assessed the health status and patterns of health care utilization among the elderly (aged 65 and older) West Texas population.

Asthma and Injury

Co-Investigator | PI: James Rohrer | Agency: State appropriated funding, TTUHSC | Period: 09/01/2001 – 02/28/2002 | Amount: $45,035 | FTE: 10%

Evaluated the performance of the health system in serving the needs of children in the Panhandle/South Plains area through a baseline survey of 1,500 households and a follow-up survey.

Risk Factors for Childhood Diabetes

Co-Investigator | Agency: Centers for Disease Control and Prevention, Contract H75/CCH20020-01 | Period: 09/01/2000 – 08/31/2003 | Amount: $280,033 (direct cost) | FTE: 10%

Studied risk factors for diabetes and associated outcomes in children aged 3–18 years in West Texas and compared ethnic disparities in utilization of health services.

Validation of an Occupational Asthma Questionnaire for Use in Healthcare Workers: A Pilot Study

Principal Investigator | Agency: NIOSH Projects Research Training Program, UTHealth School of Public Health, T42CCT610417-06 | Period: 02/01/2000 – 08/31/2000 | Amount: $9,933 | FTE: 10%

Developed and validated an occupational asthma questionnaire in a convenience sample of health care workers with and without asthma.

PEER-REVIEWED ABSTRACTS AND PRESENTATIONS

Asterisk (*) denotes student or advisee author.

1. Rahman F, Saba S, **Arif AA**, Zhou L, Zhang D, Williams J, Paul R. The alcohol use prior to suicide: a multilevel analysis of the NVDRS dataset. *Ann Epidemiol*. 2025;109:194. doi:10.1016/j.annepidem.2025.08.031
2. Paul R, **Arif AA**, Han D, Williams J, Adeyemi O, Wallace L, Thill JC. Causal mediation analysis with missing data: association of mental health and alcohol and substance use disorders with driving under the influence. American Public Health Association Annual Meeting; November 14, 2023.
3. Paul R, Williams J, Adeyemi O, Castro B, **Arif AA**. Associations of social determinants of health with alcohol-related crash deaths: a spatiotemporal analysis of 2015–2019 Fatality Analysis Reporting System data. Oral presentation, American Public Health Association Annual Meeting; November 9, 2022.
4. Paul R, Williams J, Adeyemi O, Castro B, **Arif AA**. Racial and ethnic differences in time to death from alcohol-related fatal crash injury: a spatial survival analysis. Poster presentation, American Public Health Association Annual Meeting; November 8, 2022.
5. *Adeyemi O, Paul R, **Arif AA**. An assessment of the non-fatal crash risks associated with substance use across rush-hour and all-time periods. Poster presentation, American Public Health Association Annual Meeting; October 25, 2021.
6. *Adeyemi O, Paul R, **Arif AA**. Estimating the association of rush hour-related crash events and county-level fatal crash indices: a 10-year retrospective analysis. Poster presentation, American Public Health Association Annual Meeting; October 22, 2021.
7. *Adeyemi O, **Arif AA**, Paul R. The association of crash response times and death-at-the-scene: insights using a national prehospital crash census data. Poster presentation, American Public Health Association Annual Meeting; October 21, 2021.

8. *Adeyemi O, Paul R, **Arif AA**. Rush hour accidents: understanding patterns of fatal injuries and risky driving behaviors during rush hours using individual-level and county-level data. Oral presentation, American Public Health Association Annual Meeting; October 27, 2020.
9. *Adeyemi O, **Arif AA**, Paul R. Rush hour accidents: assessing the relationship between road environmental determinants and county-level fatal road accident patterns in the United States. Oral presentation, American Public Health Association Annual Meeting; October 27, 2020.
10. *Ghosh S, Paul R, **Arif AA**, Pokhrel P. Urban-rural differences in the association of COVID-19 mortality with social determinants of health. Oral presentation, American Public Health Association Annual Meeting; October 27, 2020.
11. Laditka SB, Laditka JN, **Arif AA**, *Adeyemi O. Linking work-life occupational exposures with distress and mortality before and after retirement. Oral presentation, Gerontological Society of America (GSA) Annual Meeting; October 26, 2020.
12. **Arif AA**, Laditka JN, Laditka SB, *Adeyemi O. Association of farm-related occupations with psychological distress and mortality. Oral presentation, National Rural Health Association Annual Meeting (virtual); June 19, 2020.
13. Paul R, **Arif AA**, *Owusu C, Brissette G. Estimating mortality from pneumoconiosis using multilevel spatial binary regression. Oral presentation, American Public Health Association Annual Meeting; 2019.
14. Laditka SB, Laditka JN, **Arif AA**, *Hoyle J. Have I got a job for you: occupation-related asthma throughout life in the United States. *Innov Aging*. 2019;3(Suppl 1):S279. doi:10.1093/geroni/igz038.1033
15. **Arif AA**, Patel R, *Owusu C, Paul R. Healthcare utilization among Medicare beneficiaries with coal workers' pneumoconiosis in the US. Poster presentation, American Thoracic Society International Conference; May 18, 2019; Dallas, TX. *Am J Respir Crit Care Med*. 2019;199:A7313.
16. **Arif AA**. Prevalence of chronic diseases among workers in the mining industry. Poster presentation, National Rural Health Association Annual Meeting; May 7–10, 2019; Atlanta, GA.
17. Laditka JN, Laditka SB, **Arif AA**. Improving knowledge about asthma in childhood and young adulthood, over the life-course, and across generations. Panel Study of Income Dynamics Annual User Conference; September 13–14, 2018; University of Michigan, Ann Arbor, MI.
18. **Arif AA**, *Veri S. Prenatal and perinatal risk factors of childhood asthma. Poster presentation, American College of Epidemiology Annual Meeting; September 24–26, 2017; New Orleans, LA. *Ann Epidemiol*. 2017;27(8):509.
19. **Arif AA**, *Parks D. Association between occupational exposure to dust and chronic obstructive pulmonary disease. Poster presentation, American College of Epidemiology Annual Meeting; September 24–26, 2017; New Orleans, LA. *Ann Epidemiol*. 2017;27(8):509.
20. *Dave I, Nagar SP, Laditka SB, **Arif AA**, Huber LR. Association between prescription-taking status and total direct health care cost among patients with asthma. Poster presentation, ISPOR Annual International Meeting; May 20–24, 2017; Boston, MA. *Value Health*. 2017;20(5):A357.
21. Laditka JN, Laditka SB, **Arif AA**. Life course disability risks of asthma: does age of asthma onset matter? Gerontological Society of America Annual Scientific Meeting; November 2016. *Gerontologist*. 2016;56(Suppl 3).
22. *Korgaonkar P, **Arif AA**. Relationship between serum cotinine and exhaled nitric oxide (FeNO) levels in US adults: data from National Health and Nutrition Examination Survey, 2009–2012. Poster presentation, American College of Epidemiology Annual Meeting; September 26–29, 2015; Atlanta, GA. *Ann Epidemiol*. 2015;25(9):717-718.

23. *Mitchell C, **Arif AA**. The association between exhaled nitric oxide in exhaled breath condensate and chronic obstructive pulmonary disease. Poster presentation, American College of Epidemiology Annual Meeting; September 26–29, 2015; Atlanta, GA. *Ann Epidemiol*. 2015;25(9):715.

24. *Khan S, **Arif AA**, Racine E, Laditka J. Association between prenatal exposure to second-hand smoke and risk of postpartum depressive symptoms: examination of data from the North Carolina Pregnancy Risk Assessment and Monitoring System (2004–2008). Poster presentation, American College of Epidemiology Annual Meeting; September 9, 2014; Silver Spring, MD. *Ann Epidemiol*. 2014;24(9):695.

25. **Arif AA**, Mehdi S. Association between comorbidities and asthma among children: a case-control study. Poster presentation, American College of Epidemiology Annual Meeting; September 9, 2014; Silver Spring, MD.

26. *Cunningham S, Warren-Findlow J, **Arif AA**. Life course disadvantage of African Americans and chronic disease in adulthood. Oral presentation, American Public Health Association Annual Meeting; October 30, 2012.

27. *Onsomu E, Kimani JK, Abuya BA, **Arif AA**, Moore D, Duren-Winfield V. Delaying sexual debut as a strategy for reducing HIV epidemic in Kenya: findings from the Kenya Demographic Health Survey, 2003. Population Association of America Annual Meeting; May 3–5, 2012; San Francisco, CA.

28. **Arif AA**, Delclos GL. Cleaning-related chemicals and work-related asthma in healthcare professionals. American Thoracic Society International Conference; May 16, 2011; Denver, CO. *Am J Respir Crit Care Med*. 2011;183:A1178.

29. **Arif AA**. Development of a new questionnaire to assess symptoms, knowledge, and training in professional cleaners. American Thoracic Society International Conference; May 16, 2011; Denver, CO. *Am J Respir Crit Care Med*. 2011;183:A3307.

30. *Onsomu EO, Moore D, Kimani JK, **Arif AA**, Studnicki J. Correlates of perceived risk of acquiring HIV in a high HIV/AIDS prevalence population: does age at first sexual debut matter? AcademyHealth 27th Annual Research Meeting; June 27–29, 2010; Boston, MA. Abstract #65.

31. *Onsomu EO, **Arif AA**, Studnicki J, Cornelius J, Moore A, Laditka J. Sexually transmitted diseases and circumcision in Kenya: what role do they play in HIV transmission? AcademyHealth 27th Annual Research Meeting; June 27–29, 2010; Boston, MA. Abstract #66.

32. *Onsomu EO, Tait E, Tsulukidze MM, **Arif AA**, Studnicki J. Are there racial/ethnic disparities based on elderly hospital admission source? Gerontological Society of America 62nd Annual Meeting; November 18–22, 2009; Atlanta, GA. Minority Aging #970.

33. *Tait E, Onsomu EO, Tsulukidze M, Studnicki J, **Arif AA**. Are there differences in hospital admission source among the elderly and number of co-morbidities? North Carolina Public Health Association 100th Annual Meeting; September 29–October 2, 2009; Asheville, NC.

34. Lin YS, Coustasse A, Ho WC, Singh K, **Arif AA**. Racial/ethnic differences in exposure to environmental volatile organic compounds in the U.S. general population: the National Health and Nutrition Examination Survey 1999–2000. American Public Health Association Annual Meeting; October 25–29, 2008; San Diego, CA. Abstract #173223.

35. **Arif AA**, Delclos GL. Occupational exposures and asthma among nursing professionals in the U.S. American College of Epidemiology Annual Meeting; September 14–16, 2008; Tucson, AZ. *Ann Epidemiol*. 2008;18(9):712.

36. Delclos GL, Gimeno D, **Arif AA**, Benavides FG, Zock JP. Occupational exposures in asthma epidemiology studies of healthcare workers: comparison of self-report versus a job-exposure matrix. Oral presentation, 20th International Conference on Epidemiology in Occupational Health; June 9–13, 2008; Heredia, Costa Rica.

37. Bandiera FC, Jeffries WL IV, **Arif AA**, Asal N. Chronic asthma and quality of life: mechanisms of association using a population-based study. American Psychosomatic Society Annual Meeting; March 12–15, 2008; Baltimore, MD. *Psychosom Med*. 2008;70(3):A80.

38. **Arif AA**, Hughes PC, Delclos GL. Occupational asthmagens among domestic and industrial cleaners: a qualitative study. American College of Epidemiology Annual Meeting; September 16–18, 2007; Ft. Lauderdale, FL. *Ann Epidemiol*. 2007;17(9):733-734.

39. **Arif AA**, Delclos GL, Colmer-Hamood J. Association between C-reactive protein and asthma among U.S. adults. Poster presentation, 2nd North American Congress of Epidemiology; June 21–24, 2006; Seattle, WA. *Am J Epidemiol*. 2006;163:S22.

40. Borders TF, **Arif AA**, Kurian A. Alcohol disorders and the risk of current obesity: findings from the NESARC. Poster presentation, 2nd North American Congress of Epidemiology; June 21–24, 2006; Seattle, WA. *Am J Epidemiol*. 2006;163:S219.

41. Rakvit A, **Arif AA**, Variyam E, Hodges DS. Prognostic factors for bowel preparation quality at colonoscopy. *Am J Gastroenterol*. 2005;100(S9):S345-S371. Abstract #949.

42. **Arif AA**, Rohrer JE. Effect of alcohol consumption on obesity among non-smokers. *Ann Epidemiol*. 2005;15(8):642. Abstract #P36.

43. **Arif AA**, Lee ES, Borders TF, Xu KT, Rohrer JE. Prevalence and correlates of asthma in the elderly. Poster presentation, American College of Epidemiology Annual Meeting; September 13, 2004; Boston, MA. *Ann Epidemiol*. 2004;14(8):597. doi:10.1016/j.annepidem.2004.07.016

44. **Arif AA**, Dadich K, Patterson PJ. The prevalence and risk factors of overweight among children and adolescents in West Texas. Poster presentation, American College of Epidemiology Annual Meeting; September 7, 2003; Chicago, IL.

45. Delclos GL, **Arif AA**, Aday LA, Bartholomew K, Carson AI, Lai D, Lusk C, Stock T, Symanski E, Whitehead LW. Reliability and validity of an asthma questionnaire for healthcare workers. NORA Symposium 2003: "Working Partnerships: Research to Practice"; June 23–24, 2003; Arlington, VA.

46. **Arif AA**, Kruse G, Rohrer J. Prevalence and risk factors of pediatric asthma in West Texas. Poster presentation, American College of Epidemiology Annual Meeting; September 23, 2002; Albuquerque, NM. *Ann Epidemiol*. 2002;12(7):498.

47. **Arif AA**, Glasser J, White D, Shah MA. International survey of distance education and learning in public and community health. Oral presentation, American Public Health Association 128th Annual Meeting; November 14, 2000; Boston, MA.

48. **Arif AA**, Shah MA. Prevalence and patterns of smoking in high mountain rural villages of north Pakistan. Poster presentation, American Public Health Association 128th Annual Meeting; November 14, 2000; Boston, MA.

49. White D, Glasser J, **Arif AA**. Distance learning programs in accredited schools of public health. American Public Health Association 128th Annual Meeting; November 13, 2000; Boston, MA.

50. **Arif AA**. Antibody response to heat shock proteins in mice infected with *Trypanosoma cruzi* and held at elevated temperature. Southeastern Society of Parasitologists, Hancock Biological Station, KY, April 25, 1996; also presented at the WKU Biology Departmental Seminar (April 1996), Sigma Xi Research Conference, WKU (March 1996), and Kentucky Academy of Science (November 1995).

INVITED PRESENTATIONS

1. **Arif AA**. Occupational lung diseases: pneumoconiosis. UK-CARES Environmental Health Science Seminar Series; July 14, 2021.

2. **Arif AA**. Mapping geographical distribution of health care utilization among Medicare beneficiaries with black lung disease. Center for Applied GIS Seminar Series, UNC Charlotte; April 24, 2019.
3. **Arif AA**. Spatial analysis of health care utilization among Medicare beneficiaries with coal workers' pneumoconiosis and other related pneumoconiosis. Virtual presentation to HRSA/FORHP at their request; February 1, 2019.
4. **Arif AA**, Owusu C. Spatial analysis of health care utilization among Medicare beneficiaries with coal workers' pneumoconiosis and other related pneumoconiosis. Invited oral presentation, Rural and Underserved Health Research Center Fall 2018 Symposium; November 12, 2018; Lexington, KY.
5. **Arif AA**. Asthma and work-related asthma in Texas. Invited speaker, Department of Community Health Sciences, Aga Khan University, Karachi, Pakistan; June 12, 2007.
6. **Arif AA**. Asthma among children in West Texas. Invited speaker, Texas Tech University Institute of Environmental Health Sciences; November 13, 2006.
7. Xu KT, Borders TF, Rohrer JE, **Arif AA**. Highlights of research findings regarding health and health care disparities: 2002–2004. Poster, Pathway to Preeminence Symposium, Texas Tech University Health Sciences Center, Lubbock, TX; 2004.
8. **Arif AA**. An overview of research at the Texas Tech Medical Center, Department of Health Services Research. Invited speaker, Department of Community Health Sciences, Aga Khan University, Karachi, Pakistan; May 16, 2002.
9. **Arif AA**. Risk factors for asthma and work-related asthma in the US adult population: data from the Third National Health and Nutrition Examination Survey 1988–1994. Seminar, UTHealth School of Public Health; April 6, 2001.
10. **Arif AA**. Validation of an occupational asthma questionnaire and risk factors for asthma in the US adult population. Invited speaker, National Institute for Occupational Safety and Health, Cincinnati, OH; October 27, 2000.
11. **Arif AA**, Delclos G, Whitehead L. A validation of an occupational asthma questionnaire: a pilot study. Poster, UTHealth School of Public Health Research Day; October 6, 2000.

TEACHING

UNC Charlotte — Graduate Courses

Introduction to Quantitative Research Design (HLTH 8201)	Fall 2026
Advanced Methods in Epidemiology (EPID 8274)	Spring 2024, 2025
Public Health Data Analysis (HLTH 6271)	Fall 2019–2026
Epidemiologic Methods (HLTH 6270)	Spring 2019–2023
Evidence-Based Methods in Public Health (HLTH 6211)	Fall 2018, 2020
Health Survey Design and Research (HLTH 8282)	Spring 2016–2021, 2023–2025
Public Health Data Analysis (HLTH 6203)	Fall 2007–2011, 2013–2017
Public Health Data Analysis II (HLTH 6262)	2015
Environmental Health (HLTH 6205)	Spring 2010–2012
Environmental and Occupational Epidemiology (HLTH 6000)	2009
Advanced Design of Health Services Research (HSRD 8102)	2008
Independent Studies, MPH and PhD students	2017, 2018, 2020

UNC Charlotte — Undergraduate Courses

Epidemiology (HLTH 4104)	2007–2022; online 2008–2018
Environmental Health (HLTH 4103)	Spring 2019
Global Health Issues (HLTH 4280)	Fall 2017

Texas Tech University Health Sciences Center — Graduate Courses

Statistical Methods in Epidemiology (GHSR 5313), 3 credit hours, Graduate School of Biomedical Sciences	2002–2006
Introduction to Statistical Methods in Public Health (GHSR 5312)	2001–2005
Data Analysis (GHSR 5311)	2006
Introduction to Epidemiology (GHSR 5311)	2004

Texas Tech University Health Sciences Center — Guest Lectures

Evidence-Based Medicine, second-year medical students, Texas Tech University School of Medicine	Spring 2005, 2006
Introduction to Biostatistics (6 lectures), residents and fellows, Division of Cardiology, Department of Internal Medicine, Texas Tech School of Medicine	10/2003–12/2003
Family & Community Medicine seminar: "Asthma among the elderly: results from the Texas Tech 5000 survey"	03/09/2004

Other Educational Activities

Human Anatomy and Physiology Lab (BIO 131L), Lab Instructor, Western Kentucky University	01/1996–05/1996

STUDENT MENTORING: THESIS, PROJECT, AND DISSERTATION COMMITTEES

Doctoral (UNC Charlotte)

1. **Subhanwita Ghosh** (2024). Dissertation Committee Chair.
   Dissertation: *Readmission rate, risk, and cost-effectiveness ratio for total hip arthroplasty (THA) patients under commercially available bundle payment*. Graduated December 2024.
2. **Lanny Inabnit, MS** (2024). Dissertation Committee Chair.
   Dissertation: *Rural versus urban differences in hospital readmissions, inpatient mortality, and cost among COPD patients*. Graduated May 2024.
3. **Roshank Ashrafi, PhD** (2022). Graduate Faculty Representative.
   Dissertation: *A contactless nonintrusive data collection approach for the creation of healthy built environment*. Graduated December 2022.
4. **Oluwaseun Adeyemi, MBChB, MPH** (2021). Dissertation Committee Chair.
   Dissertation: *Rush hour-related road crashes: assessing the social and environmental determinants of fatal road crash events*. Graduated July 2021.
5. **Josette Giuffrida, FNP** (2020). Graduate Faculty Representative.
   DNP Project: *Improved screening for binge eating disorder in primary care*. Graduated May 2020.

6. **Sara Shahbazi, MSPH, PhD** (2017). Dissertation Committee Member.
   Dissertation: *Patient and provider level predictors of breast surgeons' practice styles and modality approaches for mastectomy procedures*. Graduated 2017.
7. **Elijah Onsomu, PhD** (2010). Dissertation Committee Member.
   Dissertation: *Factors associated with high-risk sexual behavior among Kenyans: implications for public health strategies and policy in combating HIV/AIDS*. Graduated 2010.
8. **Colleen Bridger, PhD** (2009). Dissertation Committee Member.
   Dissertation: *Correlates of parent-child concordance in sexual attitudes: does participation in the Parents Matter! program improve this agreement?*. Graduated 2009.

Master of Science in Public Health (UNC Charlotte)

1. **Keith Murphy, MSPH** (2016). Thesis Committee Chair.
   Thesis: *Risk factors associated with in-hospital bleeding complications in patients undergoing pancreaticoduodenectomies.*
2. **Ira Dave, MSPH** (2016). Thesis Committee Member.
   Thesis: *Burden of asthma in the United States using Medical Expenditure Panel Survey data.*
3. **David Parks, MSPH** (2015). Thesis Committee Chair.
   Thesis: *Association between occupational exposure to dusts and chronic obstructive pulmonary disease: examination of data from the National Health and Nutrition Examination Survey 2007–2010.*
4. **Shama Khan, MSPH** (2014). Thesis Committee Chair.
   Thesis: *Association between prenatal exposure to secondhand smoke and risk of postpartum depressive symptoms: examination of data from the North Carolina Pregnancy Risk Assessment and Monitoring System (2004–2008).*
5. **Hesam Naenifard, MSPH** (2014). Thesis Committee Chair.
   Thesis: *Risk factors of Epstein-Barr virus infection among United States children ages 6–15: data from the National Health and Nutrition Examination Survey (NHANES), 2009–2010.*
6. **Dhvani C. Buch, MSPH** (2014). Thesis Committee Member.
   Thesis: *The association between arthritis and quality of life among older adults: does race/ethnicity modify the association?.*
7. **Archana Revankar, MSPH** (2012). Thesis Committee Chair.
   Thesis: *Association of tobacco smoking, physical activity, family history, and pesticide use with prediabetes and diabetes: examination of data from NHANES 2007–2008.*
8. **Shellery Deniece Cunningham, MSPH** (2012). Thesis Committee Member.
   Thesis: *Association between childhood welfare status and chronic disease in adulthood among African Americans.*
9. **Sara Shahbazi, MSPH** (2012). Thesis Committee Chair.
   Thesis: *The association between occupational factors and prevalence of smoking among health care professionals in Texas.*
10. **Jacob Mangum, MSPH** (2012). Thesis Committee Member.
    Thesis: *Effect of race/ethnicity on diabetes diagnosis based on HbA1c and HOMA levels.*
11. **Junaid Raja, MSPH** (2010). Thesis Committee Chair.
    Thesis: *Charity care in US hospitals.*
12. **Dana Turner, MSPH** (2009). Thesis Committee Member.
    Thesis: *Gloom in the classroom: the association between depressive symptoms and college grades.*
13. **Sara Bartholomew, MSPH** (2009). Project Committee Member.
    MSPH Project: *Reducing risk behaviors by promoting positive youth development.*

MS in Health Services Research (TTUHSC)

1. **Anne Denison, MS, RN** (2005). Thesis and Examination Committee Chair.
   Thesis: *Determinants of osteoporotic hip fracture in rural and urban dwelling post-menopausal women in Northwest Texas.*
2. **Ankur Khosla, MS** (2005). Thesis and Examination Committee Member.
   Thesis: *Prescription asthma medications: total costs and total out-of-pocket costs. Are there ethnic and population based differences?.*
3. **Jacqueline Joy, MS** (2004). Thesis and Examination Committee Member.
   Thesis: *Complementary alternative medicine.*
4. **Girikumar Venati, MD, MS** (2003). Thesis and Examination Committee Chair.
   Thesis: *Evaluating predictors of physician visits among children with diabetes.*
5. **Angelique Brannon-Goedeke, MS** (2003). Thesis and Examination Committee Member.
   Thesis: *Rural and Hispanic disparities in parents' evaluation of their children's care.*
6. **Pamela Fritz, MS** (2002). Thesis and Examination Committee Member.
   Thesis: *Risk factors associated with pediatric asthma.*

SERVICE

UNC Charlotte — Department

Search Committee, Public Health and Health Administration Faculty, Chair	2026–2027
PHHA Executive Committee, Member	2026–present
PhD in Public Health Sciences Program Committee, Chair	2022–2025
PhD in Epidemiology Program Committee, Chair	2022–2025
Chair Search Committee, Department of Epidemiology and Community Health, Member	2024
Epidemiology Faculty Search Committee, Member	2022–2023
Unit Review Committee (Tenure & Promotion), Chair	2010–2011; 2021–2022
Unit Review Committee (Tenure & Promotion), Member	2010–2012; 2021–2022; 2026–present
PHS Comprehensive and HSR Qualifying Exam Committee	2021–present
Master of Public Health Programs Committee, Member	2008–present
Public Health Undergraduate Programs Committee, Member	2016–2021
Search Committee, Public Health Sciences Faculty, Chair	2019
Faculty Council, Member	2015–2016
Biostatistics Search Committee, Department of Public Health Sciences, Member	2015–2016
PHS PhD Advisory Committee, Member	2013–2017
Public Health Sciences Chair Search Committee, Member	2011–2012
Public Health Sciences Faculty Search Committee, Member	2007–2008

UNC Charlotte — College and University

Institutional Review Board, Member	2020–present
CHHS College Review Committee	2023
Associate Dean Comprehensive Review Committee	2022, 2023

College Review Committee (Tenure & Promotion)	2022–2023
Comprehensive Review Ad Hoc Committee	2022
Faculty Research Grant Committee, Member	2008–2010, 2015
College Curriculum Committee, Member	2013–2014
Faculty Organization, Parliamentarian, College of Health and Human Services	2009–2013
Faculty Academic Policy & Standards Committee, Member	2010–2012
Campus Accessibility Advisory Committee, Member	2009–2010
Accessibility Advisory Subcommittee, Member	2007–2008

Texas Tech University Health Sciences Center — Department

Director, Graduate Program in Health Services Research, Graduate School of Biomedical Sciences	2004–2006
Health Services Research Faculty Search Committee, Member	2005

Texas Tech University Health Sciences Center — University

Education Policy Committee (undergraduate medical education governance), School of Medicine, Member	2003–2006
Year 2 Curriculum Subcommittee, Education Policy Committee, School of Medicine, Member	2003–2006
Year 2 Curriculum Subcommittee, Education Policy Committee, School of Medicine, Chair	2003–2005
Admissions Committee, School of Medicine, Member	2003–2005
Graduate Council, Graduate School of Biomedical Sciences, Member	2002–2006
Evaluation Committee, Graduate School of Biomedical Sciences, Member	2004–2006

Service to the Profession

Associate Editor Board Member, *Frontiers in Public Health, Occupational Health and Safety section*	2026–present
Editorial Board Member, *International Journal of Environmental Research and Public Health*	2026–present
Associate Editor, *Journal of Primary Care & Community Health*	2015–present
Guest Editor, *IJERPH* Special Issue "Health Risks of Exposure to Polluted Air in Workplaces"	2023–2024
Guest Editor, *IJERPH* Special Issue "Chronic Disease Epidemiology: Advances in Research and Methods"	2021–2022
Associate Editor, *Health Services Research and Managerial Epidemiology*	2015–2024
Editorial Board Member, *Austin Journal of Public Health & Epidemiology*	2014–2024
Policy Committee, American College of Epidemiology, Member	2014–2023
Abstract Review Committee, American College of Epidemiology, Member	2014, 2017
Publications Committee, American College of Epidemiology, Member	2003–2010
Publications Committee, American College of Epidemiology, Chair	2007–2008
Publications Committee, American College of Epidemiology, Vice Chair	2006–2007

Abstract Review Committee, 2006 North American Congress of Epidemiology, Member	2006
NIH Asthma and Allergic Diseases Cooperative Research Centers Scientific Review Panel (ZAI1 SV-I (M1)), Gaithersburg, MD	03/2006
NIH Infectious Diseases, Reproductive Health, Asthma and Pulmonary Conditions (IRAP) Member Conflict Special Emphasis Panel (ZRG1 HOP-C)	04/2006
Reviewer, National Medical Research Council of Singapore grant applications (mail review)	2004, 2006
Texas Health Policy Forum, Member	2005
Research Advisory Panel, Parkinson's Disease Research, Education and Clinical Center, Department of Veterans Affairs, Houston, TX	2004–2006
CDC Scientific Review Panel, Special Study Section (ZCD1 GZK)	08/2004

LICENSURE AND CERTIFICATION

2009	Certified in Public Health (CPH), National Board of Public Health Examiners
1993	Educational Commission for Foreign Medical Graduates (ECFMG) Certificate #0-479-748-6

HONORS AND AWARDS

2019	Faculty Excellence Award in Graduate Teaching, College of Health and Human Services, UNC Charlotte
2007	Fellow, American College of Epidemiology
2005	Fellow, Summer Institute on Aging, National Institute on Aging (NIH)
2005	Nominee, TTUHSC School of Medicine Research Award
2001	Delta Omega (public health honorary society) Outstanding Graduate Award, UTHealth School of Public Health
2000	Nominee, Outstanding Teaching Assistant Award, UTHealth School of Public Health
1999	Elected PhD Representative, Student Governance Organization, UTHealth School of Public Health
1998	Student Travel Award, American Public Health Association, Washington, DC
1998	Elected Treasurer, Public Health Student Caucus, American Public Health Association
1996	Elected Student Representative to the Graduate Council, Western Kentucky University

PROFESSIONAL AFFILIATIONS

2002–2025	American College of Epidemiology
2019–2020	National Rural Health Association
2011–2012	American Thoracic Society
2005–2006	Society for Epidemiologic Research

1996–2001, 2006	American Public Health Association
1994–1996	Southeastern Society of Parasitologists
1994–1996	Kentucky Academy of Science

JOURNAL REFEREE

American Journal of Industrial Medicine; American Journal of Preventive Medicine; Health Services Research and Managerial Epidemiology; International Archives of Occupational and Environmental Health; International Journal of Chronic Obstructive Pulmonary Disease; International Journal of Hygiene and Environmental Health; JAMA Network Open; Journal of Occupational and Environmental Medicine; Journal of Primary Care & Community Health; Journal of Rural Health; Occupational and Environmental Medicine; PLOS; Preventive Medicine Reports