

CURRICULUM VITAE
R. David Parker, PhD, FACE

SUMMARY

As a researcher and analytics leader, I specialize in using real-world data to shape and enhance policies and programs. With over 40 peer-reviewed manuscripts and 100+ technical reports, conference presentations, and professional trainings published in multiple languages my influence extends across academia, government, and the private sector. This work has been supported by over \$25,000,000 in funding as a Principal Investigator or co-Principal Investigator for research, policy, evaluation, and health systems spanning various nations and healthcare systems. My proficiency in data analysis, program evaluation, and strategic planning has driven substantial contributions to public health endeavors aimed at addressing pressing challenges worldwide.

Whether collaborating with clinicians, educators, researchers, or government officials, I harness advanced analytics and data science tools to bridge quantitative statistical methodologies with real-world data, thereby guiding evidence-based decision-making processes. Throughout my career, I have successfully executed projects with diverse stakeholders, including health systems, local and national governments, private organizations, and non-governmental organizations, underscoring my steadfast commitment to advancing public health and confronting critical health issues at local, national, and international scales.

Technical Skills

- Develop AI tools (ie RAGs) incorporating large language models and neural networks to process unstructured data locally from large, archives and patient record stores without compromising patient / data security.
- Proficiency in classification and regression techniques, including feature engineering and dimensional reduction methods like PCA and correlation algorithms.
- Skilled in regularization methods such as lasso and ridge regression, as well as resampling techniques like bootstrapping and cross-validation.
- Experienced in data preprocessing, regression models (e.g., glm, weighted, semiparametric, longitudinal, non-linear), inferential methods (e.g., hypothesis testing), sequential modeling, simulation studies, and panel data analysis.
- Proficient in A/B testing and other statistical testing methodologies.
- Experienced in natural language processing, text mining, and regular expressions.
- Proficiency in analytic architecture, product development, and data imputation techniques such as multiple imputation and inverse probability weighting.
- Proficient in R, Python, SQL, Stata, SAS, AWS, Epic, Cerner, and other software.

EDUCATION

Doctor of Philosophy, Epidemiology, cognate: biostatistics, University of South Carolina

PROFESSIONAL EXPERIENCE

The College of William & Mary (2023 – Present)

Batten School for Coastal Ecology & Marine Sciences & the Virginia Institute for Marine Science

Senior Data Strategist, Research Data Analytics Consultant

Inaugural chief data officer for the Virginia Institute of Marine Science (VIMS) and the Batten School of Coastal & Marine Sciences. Leads the development, organization, and implementation of the data and analytics infrastructure for an organization with more than 500 faculty and staff. This position enhances analytics & research capabilities, operational efficiency, and strategic decision-making processes through advanced data management and analytics.

Migrate and standardize 40 years of existing data in multiple formats to a new, retrieval augmented generation (RAG) which uses smart intelligence to unlock and search data allowing detailed reporting and analyses. Design reports and visualizations showing financial, grants, and contract data. Design, implement, and oversee a data system which maximizes efficiency and increases utilization for financial, contract, and grant data.

University of Alaska, Anchorage, AK (2020 – 2024)

Director, IRB Chair, & Professor of Public Health, College of Health

Conducted research on IT integration to enhance healthcare practices and mitigate costs in infectious disease management, particularly focusing on remote healthcare and natural language processing techniques. Investigated behavioral health, homelessness, minority health, and disability issues, utilizing machine learning and AI for system-level interventions.

Collaborated with healthcare institutions, governments, and insurers to develop predictive models and algorithms for case identification and definition using natural language processing. Served as Chair of the Institutional Review Board (IRB) for the University and the State of Alaska

Adelphi University, Garden City, NY (2019 – 2020)

Associate Dean for Research & Professor, IRB Member, College of Nursing & Public Health

Served as Chief Research Officer & Methodologist, overseeing research initiatives and development within a multidisciplinary college. Led efforts to integrate IT and healthcare to enhance outcomes in infectious diseases, remote healthcare, and artificial intelligence.

Established analytics for interpretable predictive models to measure risk and improve health and financial outcomes.

SBH Health System, Bronx, NY (2017 - 2018)

Chief Scientific Officer & Senior Research Scientist (contract)

Developed a population health-based research infrastructure within a large urban healthcare system, using analytics to identify intervention points for high-cost areas. Served as IRB Chair and oversaw research and compliance personnel, managing extramural contracts, grants, and research compliance.

West Virginia University, Morgantown, WV (2013 – 2019)

Professor, Schools of Dentistry, Medicine, Nursing, & Public Health

International and domestic research centered on vulnerable populations affected by HIV/STIs, including drug users, homeless individuals, persons experiencing mental illness, incarcerated populations, and commercial sex workers.

Founding Director, Coordinated Health Services – Department of Epidemiology (2014 – 2017)

Established and led a public health-oriented practice and translational research center aimed at investigating health access, healthcare utilization, and health outcomes among individuals affected by HIV and/or experiencing homelessness. Ensured adherence to best practices while providing services to homeless and at-risk populations, including those previously incarcerated, mentally ill, and substance users.

Associate Dean of Research, interim, School of Dentistry (2016 – 2017)

Developed infrastructure for community health dental research projects, facilitating standardized data collection across multiple community-based clinics. Spearheaded the establishment of the state's first nationally certified clinical-based tobacco cessation program, fostering collaboration across various health sciences disciplines.

Graduate Director, School of Public Health, Epidemiology (2014 – 2016)

Led curriculum development efforts to enhance graduate student recruitment and diversity, with a focus on underserved populations. Ensured effective academic advisement and monitored the quality of practice-based experiences and capstone projects.

Director of Assessment, School of Public Health (2013 – 2015)

Oversaw the collection, organization, and interpretation of data for accreditation purposes and to evaluate the school's alignment with its mission, goals, and objectives. Implemented metrics and data systems to measure the school's effectiveness, coordinated data collection activities, and conducted annual performance analyses.

University of South Carolina, Columbia, SC (1999 – 2013)

Director of Research (2009 – 2013)

Founded and administered an epidemiologic and clinical translational research unit within a large clinical department encompassing eight subspecialties. Established collaborative partnerships between basic scientists and clinicians to foster interdisciplinary research initiatives. Provided methodological and statistical expertise to support diverse research projects spanning across divisions, departments, and the University.

Research Assistant Professor of Medicine (2008 – 2013)

Conducted international and domestic research focusing on HIV/STIs among vulnerable populations including injecting drug users, homeless individuals, the mentally ill, and commercial sex workers. Investigated the intersection of public health and national security, emphasizing health security concerns. Managed project activities, oversaw data management, led contract negotiations, and facilitated coordination among diverse research divisions and

departments. Spearheaded the development and implementation of data management systems to streamline research processes.

Founding Director, Supportive Housing Services (2004 – 2013)

Established and directed a public health-centered practice and translational research center dedicated to enhancing health access, healthcare utilization, and health outcomes for individuals living with HIV and/or experiencing homelessness. Ensured adherence to best practices and standards, delivering tailored services to address the needs of homeless individuals and those at risk of homelessness. Provided comprehensive support services to diverse populations, including previously incarcerated individuals, the mentally ill, substance users, and other vulnerable groups.

Director of Ryan White Services – Division of Infectious Diseases (2003 – 2004)

Pioneered the establishment of a comprehensive support system to cater to the needs of clinicians, patients, and staff within the Division of Infectious Diseases. Oversaw the operations of the largest HIV clinic in the state, ensuring the delivery of high-quality care in compliance with public health service guidelines. Developed and implemented robust data collection and service monitoring systems to track patient outcomes and service utilization. Played a key role in grant writing, management, and program development to secure funding and support for HIV-related initiatives. Demonstrated proficiency in data management, reporting, and cost containment strategies to optimize program efficiency and effectiveness.

Quality Management Coordinator – Division of Infectious Diseases (2002 – 2003)

Established a comprehensive data collection system to assess and analyze outcomes across various health, social service, and medical systems for individuals living with HIV. Collected and analyzed data to evaluate health outcomes, inform reporting requirements, and support grant writing and contract development efforts.

HIV Case Manager; Discharge Planner & Information Resource Consultant – Division of Infectious Diseases (1999 – 2002)

Provided direct client services to individuals with HIV within an infectious diseases clinic setting. Developed and implemented discharge planning services to facilitate successful re-entry into society for HIV-positive individuals incarcerated in multiple maximum-security facilities. Spearheaded the development of a state-wide program addressing housing, mental health, substance abuse, case management, medical care, and medication access for HIV-affected populations. Served as the database administrator for an extensive public health system spanning eight counties and twelve agencies, overseeing the collection and management of medical and health outcome data.

OTHER PUBLIC HEALTH EXPERIENCE

Health Consultant – US Department of Defense & US State Department, (2008 – 2015)

Collaborated with multiple US and international governments, organizations, and personnel within EUCOM to support projects addressing infectious diseases and high-risk behaviors in military and closely aligned civilian populations.

HIV Consultant – National Institute for Health Development, Estonia, (2007 – 2018)

Established research collaborations focusing on epidemiologic translational research in HIV.

Led initiatives such as HIV rapid testing pilot projects, partner counseling and referral services, surveillance, and the design of public health-based case management systems for HIV prevention interventions.

Research Associate – US Veterans Administration, Health Services, (2009 – 2012)

Contributed to research projects spanning infectious diseases, cardiology, homelessness, and post-traumatic stress disorder within the US Veterans Administration's Health Services.

PUBLISHED PEER REVIEWED MANUSCRIPTS

1. **Parker, RD** & Regier, M. Practical and Adaptive Modeling for the SARS-CoV-2 Virus, International Encyclopedia of Statistical Science, 2nd Edition, 2024, Wiley Publishers. Invited manuscript.
2. **Parker, RD** & Meyer, J. Vaccine Safe Beliefs in the State of Alaska. *Public Health in Practice*. Epub ahead of print: March 2024.
3. **Parker, RD**, Abram, M, & Mancini, K. Natural Language Processing Enhanced Qualitative Methods: An Opportunity to Improve Health Outcomes, *International Journal of Qualitative Methods*. Accepted October, 2023.
4. **Parker, RD** & Meyer, JA. Factors Associated with Vaccine Hesitancy in the State of Alaska, *Journal of Community Health*. Accepted July 2023.
5. **Parker, RD**, Abram, M, & Meyer, J. National Data and the Applicability to Understanding Rural and Remote Substance Use. *Journal of Prevention*, published May 2023.
6. **Parker, RD**, Abram, M, Meyer, J, & Lessard, L. Twenty Years of Addiction and Mental Illness in Alaska: Using the National Survey on Drug Use and Health to Understand Addiction in a Low Population and Rural State. *Journal of Community Health*, June 2022.
7. Agusto M, Salman A, **Parker RD**, Choi D, Schincaglia GP. Root Coverage Predictability in the Treatment of Gingival Recessions on Mandibular Anterior Teeth. *JDR Clinical & Translational Research*. April 2021. doi:10.1177/23800844211009437
8. Klainberg, M., Cartabuke, J., Hauser, C., Roller, M., Neville, S., Ambrosio, D., **Parker, RD**. Impact of Sleep on Nursing Students in the Era of a Pandemic. *Journal of the New York State Nursing Association*, Volume 48, Number 1, March 2021.
9. Abram MD, Mancini KT, **Parker RD**. Methods to Integrate Natural Language Processing Into Qualitative Research. *International Journal of Qualitative Methods*. December 2020. doi:10.1177/1609406920984608

10. Price, Shelia, Stricker, J, & **Parker, RD**. Proactive Safety Awareness and Violence Prevention Training for Dental and Pharmacy Students. *Journal of Dental Education*, 2020 Jun;84(6):712-717. doi: 10.1002/jdd.12137.
11. Walter, S, **Parker, RD**, Wang, K, Dai, Z, Stabler, Starcher, M. Feasibility of a Self-Management Intervention in Adolescents with Headache (SMI-AH). *Appl Nurs Res*. 2020 Feb;51:151223. doi: 10.1016/j.apnr.2019.151223. Epub 2019 Nov 29.
12. Alhazmi, RA, **Parker, RD**, & Wen, S. Standard Precautions Among Emergency Medical Services in Urban and Rural Areas. *Workplace Health Saf*. 2020 Feb;68(2):73-80. doi: 10.1177/2165079919864118. Epub 2019 Oct 25.
13. Alhazmi, RA, **Parker, RD**, & Wen ,S. Needlestick Injuries among Emergency Medical Services Providers in Urban and Rural Areas. *Journal of Community Health*, June 2018.
14. **Parker RD**, Cima, M, Brown, Z, & Regier, M. Expanded Medicaid Provides Access to Substance Use, Mental Health, and Physician Visits to Homeless and Precariously Housed Persons. *Community Health*, January 2018.
15. M. Cima & **RD Parker**. Impact of Homelessness and Unstable Housing on Adolescent Health. *Mental Health & Prevention* (7) 2017, 8-11.
16. **Parker RD**, & Rüütel K. STI prevalence, knowledge, & behaviors among professional defence forces in a Northern European nation. *Cent Eur J Public Health*. 2017 Mar;25(1).
17. **Parker RD** & M. Regier. Small Scope Practice Based Study Design for the Clinic Based Researcher. Medical Care, accepted, March 2017.
18. **Parker RD**, Mangine C, Cima MJ, Hendricks BM, Mcle S & Sarwari A. Identifying Factors Related to Increased Adherence to HIV Treatment and Care at a Rural Appalachian HIV Clinic. *J Assoc Nurses AIDS Care*. 2017 Jan - Feb;28(1):67-74.
19. Singh S., **Parker RD**, Mark-Karew, M., White, R., & Fisher, M. Lyme Disease in West Virginia: An assessment of distribution and clinician's knowledge of disease and surveillance. *WV Med J*. 2016 Jul-Aug;112(4):48-54. PubMed ID 27491103.
20. Weissman, S., Singh, S., Dykema, S., & **Parker RD**. Randomized Controlled Trial: 4 Month versus 6 Month Monitoring of HIV-infected Patients on Highly Active Antiretroviral Therapy. *J Community Health* (2016) 41: 1044. doi:10.1007/s10900-016-0188-4
21. **RD Parker**, K Rüütel, L Löhmus, A Valk, T Aavik. Homonegativity and associated factors among men who have sex with men. *J Community Health*. 2016 Aug;41(4):717-23.

22. **Parker, RD** & Regier, M. Vulnerability Risk Modeling: Combining Cyber Security & Epidemiology to Enhance National Defense. *National Cybersecurity Institute Journal*. 2016.

23. K Rüütel, **RD Parker**, L Lõhmus, A Valk, & T Aavik. HIV and STI testing and related factors among men who have sex with men in Estonia. *AIDS Care and Behavior*. 2016 Oct;20(10):2275-2285 doi: 10.1007/s10461-016-1313-1

24. **Parker RD**, Lõhmus L, Valk A, Mangine C, Rüütel K. Outcomes associated with anxiety and depression among men who have sex with men in Estonia. *J Affect Disord*. 2015 Sep 1;183:205-9. doi: 10.1016/j.jad.2015.05.014. Epub 2015 May 15

25. **Parker RD**, Regier M, Widmeyer J, Rüütel K. HIV/STI prevalence study among military conscripts in Estonia. *J Community Health*. 2015 Apr;40(2):271-5.

26. Cima M, **Parker RD**, Ahmed Y, Cook S, Dykema S, Dukes K, Albrecht S, Weissman S. Cause of death in HIV-infected patients in South Carolina (2005-2013). *Int J STD AIDS*. 2016 Jan;27(1):25-32. doi: 10.1177/0956462415571970. Epub 2015 Feb 17

27. Regier MD, **Parker RD**; Smoothing using fractional polynomials: an alternative to polynomials and splines in applied research. *Wiley Interdisciplinary Reviews: Computational Statistics* May 2015;7(4):275-283. doi: 10.1002/wics.1355.

28. Sanasi- Bhola, K.; Weissman, S.; Horvath, J.; Berdel, R.; Albrecht, S.; Whitmire, M.; **Parker, RD**; H Albrecht. Risk Factors for Infections after Open Fractures - Opportunities for Improving Prophylactic Antimicrobial Therapy. *Open Forum Infect Dis (Fall 2014)*. doi: 10.1093/ofid/ofu052.416

29. **Parker, RD**, Regier, M, Widmeyer, J & Rüütel, K. Reported Contraceptive Use, Risk Behaviors, and STIs among Military Conscripts in Estonian Defense Forces. *Int J STD AIDS* 2015;26(11):815-20. doi: 10.1177/0956462414555932. Epub October 2014.

30. **Parker, RD**, Regier, M, Brown, Z, & Davis, S. An inexpensive, interdisciplinary, methodology to conduct an impact study of homeless persons on hospital based services. *Journal of Community Health*. ePUB ahead of print, June 2014.

31. S. Weissman, MD, **RD Parker, PhD**, W. Siddiqui, MD, S. Dykema, MHA, & J. Horvath, MD. Vertebral Osteomyelitis: Retrospective Review of 11 Years' Experience. *Scandinavian Journal of Infectious Diseases*, Published online ahead of print, January 2014.

32. **Parker, RD** & Dykema, S. Differences in Risk Behaviours, Care Utilization, and Comorbidities among Homeless Persons Based on HIV Status. *Journal of the Association of Nurses in AIDS Care*. Published online ahead of print, 24 September 2013.

33. **RD Parker** & S. Dykema. The Reality of Homeless Mobility and Implications for Improving Care. *Journal of Community Health*. August 2013.
34. **Parker, RD** & Albrecht, H. Barriers to Care and Service Needs among Chronically Homeless Persons in a Housing First Program. *Journal of Professional Case Management*. November/December, 2012.
35. **Parker, RD** & Farkas, C. Modeling Estimated Risk for Cyber Attacks: Merging Public Health and Cyber Security. *Journal of Information Security and Assurance*. May, 2012.
36. Kristi Rüütel, **R. David Parker**, Igor Sobolev, Helle-Mai Loit. Tuberculosis knowledge among injecting drug users visiting syringe exchange programme in Tallinn, Estonia. *Central European Journal of Public Health*, 2012; 20 (4): 248–251.
37. Rüütel, K, Uustina, V, & **Parker, RD**. Piloting HIV rapid testing in community based settings in Estonia. *Scandinavian Journal of Public Health*. September, 2012.
38. **Parker, RD**. Increasing Security through Public Health: A Practical Model. *Journal of Special Operations Medicine*, 2011 Fall;11(4):4-8. PMID: 22113719.
39. **Parker, RD** & Rüütel, K. Associations of High Risk Behavior and HIV Status with HIV Knowledge among Persons in Tallinn, Estonia. *Scandinavian Journal of Public Health*; November, 2010.
40. **Parker, RD** & Rüütel, K. A Surveillance Report of HIV Status and High Risk Behaviors among Rapid Testing Participants in Tallinn, Estonia. *Journal of AIDS and Behavior*; August, 2010.
41. **Parker, RD**. Housing as an Intervention on Hospitalizations Service Access among Chronically Homeless Persons with Disabilities. *Journal of Urban Health*; December, 2010.
42. Tripathi A, **Parker RD**, Rüütel K. HIV risk behaviour knowledge, substance use and unprotected sex in men who have sex with men in Tallinn, Estonia. *Euro Surveill.*;14(48), December, 2009.

AWARDED RESEARCH FUNDING

UNIVERSITY OF ALASKA ANCHORAGE

2022 -2025 **Principal Investigator**, Addiction & Mental Illness Prevalence Study among Persons Receiving Care through Medicaid. Alaska Mental Health Trust Authority. **\$150,000**

2021 – 2023 **Co-Principal Investigator**, Misinformation and Vaccine Uptake. Alaska

Department of Health and Social Services. **\$1,137,000.**

2020 – 2021 **Principal Investigator**, Fetal Alcohol Spectrum Disorders Data Systems. Alaska Mental Health Trust Authority. **\$249,000**

WEST VIRGINIA UNIVERSITY

2015 – 2019 **Co- Principal Investigator**, Interprofessional Collaboration for Vulnerable Acute Care Patients. US Health Services & Research Administration. 3 Year Award: **\$1,490,952**

2016 – 2018 **Principal Investigator**, Coordinated Entry & Assessment to Improve Health Outcomes, US Housing & Urban Development. 2 Year Award: **\$302,732**

2015 – 2018 **Principal Investigator**, Increasing Service Connection for Persons with HIV, Housing & Urban Development. 3 Year Award: **\$405,000**

2015 – 2017 **Principal Investigator**, Health Outcomes and Service Utilization of High Needs Populations, WV Division of Health and Human Resources, 2 Year Award: **\$100,000**

2014 – 2018 **Principal Investigator**, Housing First Intervention for High-Risk Populations. US Housing & Urban Development. 4 Year Award: **\$1,997,659**

2014 – 2018 **Principal Investigator**, Rapid ReHousing to Improve Health Outcomes among Rural Populations, Housing & Urban Development. 4 Year Award: **\$509,964**

2013 – 2016 **Co-Investigator**, Outpatient Early HIV Intervention Services, US DHHS, Health Resources & Services Administration. 3 Year Award Total: **\$992,819**

UNIVERSITY OF SOUTH CAROLINA (Limited to those as PI, awards over \$50,000, non-profit)
2010 – 2013 Principal Investigator, HIV Prevention, Education and Training Program for Estonian National Defense Forces, US Department of Defense. 3 Year Award: **\$975,000**

2005 – 2013 Principal Investigator, Mental Health & Substance Abuse Services for Persons with HIV, SC Department of Health & Environmental Control. 8 Year Award: **\$410,000**

2008 – 2013 Principal Investigator, Integrating Research into Homeless Services (IRIHS), City of Columbia, SC. 5 Year Award: **\$2,250,000**

2004 – 2013 Principal Investigator, HIV Care Services, Housing & Urban Development, 9 Year Award: **\$2,750,000**

2009 – 2011 Principal Investigator, Rapid Re-Housing and Homeless Prevention, Housing & Urban Development. 2 Year Award: **\$98,500**

2007 – 2009 Principal Investigator, Case Management Services for Persons with Disabilities, US

Housing & Urban Development, 2 Year Award: **\$157,000**

2008 – 2009 Principal Investigator, National Infectious Diseases Research, Tervise Arengu Instituut. 1 Year Award: **\$16,284**

2002 – 2005 Investigator, Medical Care and Evaluation of Services for Persons with HIV US Health Resources & Services Administration. 3 Year Award: **\$4,750,000**, 100% salary support

SELECTED MATERIALS, ABSTRACTS & PROFESSIONAL PRESENTATIONS

Parker, RD. (2021). Practical and Adaptive Modeling for the SARS-CoV-2 / COVID-19 Pandemic Response. **Keynote Address:** American Statistical Association Conference on Statistical Practice, February 15 - 20.

Walter, SM.; **Parker, D.**; Starcher, M.; Dai, Z. (2019). Feasibility of a Self-Management Intervention for Rural Adolescents with Recurrent Headache (SMI-AH). AANN Third Annual International Neuroscience Nursing Research Symposium (INNRS), Austin, Texas, August 24-25, 2019.

Sarah S. Singh & **R. David Parker**. *Treatment and Prevention of Childhood Obesity in Appalachia: A Literature Review of Interventions*. Council of State and Territorial Epidemiologists, Boston, Massachusetts, June 2015.

Michael Regier & **David Parker**. *Statistical Methods for Bridging the Gap between Interpretative and Predictive analysis*. American Statistical Association, Conference on Statistical Practice, New Orleans, February 2015.

K. Sanasi- Bhola, S. Weissman, J. Horvath, R. Berdel, S. Albrecht, M. Whitmire, **D. Parker**, and H. Albrecht. *Risk Factors for Infections after Open Fractures – Opportunities for Improving Prophylactic Antimicrobial Therapy*. Annual Meeting of IDSA, ID Week, October 2014.

K. Sanasi, S. Cook, S. Weissman, and **D. Parker**. *Fosfomycin In Vitro Antimicrobial Activity Against Clinical Specimens Containing Carbapenemase or Extended Spectrum β Lactamase-producing Enterobacteriaceae Species*. Annual Meeting of IDSA, ID Week San Francisco, October 2013. Abstract # 40851.

K. Sanasi, V. Seshadri, **D. Parker**, S. Dykema, J. Hussey, and S. Weissman. *Randomized-Controlled trial of every 4 month versus every 6 months monitoring in HIV-infected patients controlled on Highly Active Antiretroviral Therapy*. Annual Meeting of IDSA, ID Week San Francisco, October 2013. Abstract # 39868.

Parker, D. & Dykema, S. *Differences in risk behaviors, care utilization, and comorbidities in homeless persons based on HIV status*. North American Housing and HIV/AIDS Research Summit, Montréal, Québec, September, 2013.

Parker, D. *Sexually Transmitted Infections Policy Development in National Defense Forces.* 2013 Regional Military Infectious Diseases Workshop Series, Tallinn, Estonia, June 2013.

Poursina A, Siddiqui W, **Parker D**, Dykema S, Weissman S. Pyogenic Diskitis and Vertebral Osteomyelitis in a Large Urban Medical Center. Annual Meeting of IDSA, ID Week San Diego, October 2012. Abstract # 872.

Ahmed Y, **Parker D**, Dykema S, Cook S, Weissman S. Cause of Death (COD) in HIV-Infected Patients in South Carolina (SC). Annual Meeting of IDSA, ID Week San Diego, October 2012. Abstract # 959.

Parker, R. D. *Panel Discussant: Strengthening Practice Based Evidence: Measuring Outcomes and Defining Success.* North American Housing and HIV/AIDS Research Summit, New Orleans, Louisiana, USA, September 2011.

Parker, R. D. *Understanding Key Factors of Homeless HIV Infected Persons in the Rural South.* North American Housing and HIV/AIDS Research Summit, New Orleans, Louisiana, USA, September 2011.

Parker, R. D. *Panel Discussant: Evidence into Action: Influencing Practice.* North American Housing and HIV/AIDS Research Summit, Toronto, Ontario, Canada, June 2010.

Parker, R. D. *Housing First Outcomes and Methods: Outcomes for Hard to House Populations.* North American Housing and HIV/AIDS Research Summit, Toronto, Ontario, Canada, June 2010.

Innes, Johanna, BS NREMT-P; **Parker, R. David, PhD**; Desaulniers, Brian, MD-R; Gerard, William C., MD. *Comparison of direct laryngoscopy and video assisted indirect laryngoscopy as a primary method of pre-hospital intubation.* Conference of the South Carolina Medical Association, Myrtle Beach, SC, USA, May, 2010.

Parker R. D. *Kuidas rääkida HIV-nakatumisest oma lähedastele . English: Talking with your loved ones about your HIV Status.* Instituut Tervise Arengu. Tallinn: 2010.

Rüütel, K, Ustina, V. & **Parker, D.** *HIV Rapid Testing Pilot Project.* Estonian Conference of Medical Faculty, Tartu, Estonia, November 2008.

Parker, R. D. & Rüütel, K. *HIV Related High Risk Behavior among MSM in Tallinn, Estonia.* United States Conference on AIDS, Ft. Lauderdale, FL, USA, September 2008.

Parker, R. D. *Supportive Housing for Special Populations.* Palmetto Affordable Housing Conference, Columbia, SC, USA, May 2006.

Parker, R. D. A Review of Gay, Lesbian, Bisexual and Transgender Adolescent Research: Depression and Suicide, American Sociological Association Conference, Philadelphia, PA, USA, August 2005.

EDITORIAL BOARDS

2022 - Associate Editor, Journal of Prevention
2015 - Editorial Board Member, Journal of Community Health
2016 - 2019 Editorial Board Member, Journal of the Association of Nurses in AIDS Care

JOURNAL & ORGANIZATIONAL REVIEWS

JAMA, Journal of Applied Nursing Research, American College of Epidemiology, Health Education and Behavior, BMJ Open, BMC Public Health, AIDS & Behavior, Eurosurveillance, Medical Care, Journal of Urban Health, Special Operations Medicine, Journal of Community Health, Scandinavian Journal of Public Health, Association of Nurses in AIDS Care, Scandinavian Journal of Infectious Diseases, Journal of Professional Case Management, Journal of Healthcare for the Poor and Underserved

MEMBERSHIPS

2022 - Fellow, American College of Epidemiology
2017 - 2024 American College of Epidemiology, Chair, Publications Committee
2015 - American Statistical Association, Member
2015 - 2022 Member, American College of Epidemiology
2015 - 2019 IEEE, Member
2014 - 2018 West Virginia Immunization Network, Member
2009 – 2017 US Health Care for the Homeless, Clinician’s Network
2008 – 2013 International AIDS Society, Member
2008 – 2014 Council of State and Territorial Epidemiologists, Member
2005 – 2009 American Public Health Association, Member

ACADEMIC SERVICE COMMITTEES

2020 - 2024 Chair, UAA Institutional Review Board
2019 - 2020 Adelphi CNPH Research Council Member
2019 - 2020 Adelphi University, Institutional Review Board
2019 - 2020 Adelphi University, Research Working Group
2013 - 2019 WVU, Health Sciences Center, Global Engagement Office, Advisory Board
2013 - 2019 WVU, Health Sciences Center, Faculty Development Committee Member
2017 - 2018 SBH Health System, Institutional Review Board
2013 - 2017 WVU, Infectious Diseases, Clinical Quality Management Committee
2013 - 2018 WVU, School of Medicine, Global Health Advisory Committee
2014 - 2015 Ex Officio Member, WVU, School of Public Health Evaluation Committee
2013 - 2015 WVU, School of Public Health, Accreditation Committee
2009 – 2011 School of Medicine, Faculty Information Technology Committee, Member
2002 – 2007 HIPAA Privacy Task Force, University of South Carolina

TEACHING EXPERIENCE

Fall 2023 Sole Instructor, HS 625, Introduction to Biostatistics
 Sole Instructor, NSG 633, Statistics for Advanced Nursing Practitioners

Spring 2023 Sole Instructor, HS 626, Epidemiology
 Sole Instructor, NSG 634, Epidemiologic Methods for Healthcare Practitioners

Fall 2022 Sole Instructor, HS 625, Introduction to Biostatistics

Spring 2022 Sole Instructor, HS 690, Outbreaks, Epidemics, & Pandemics
 Sole Instructor, HS 626, Principles of Epidemiology

Fall 2021 Sole Instructor, HS 307, Demography
 Sole Instructor, HS 625, Biostatistics

Spring 2021 Sole Instructor, HS 326, Introduction to Epidemiology
 Sole Instructor, HS 626, Principles of Epidemiology

Fall 2020 Sole Instructor, HS 326, Introduction to Epidemiology
 Sole Instructor, HS 625, Biostatistics

Summer 2020 Sole Instructor, BIO 585, Outbreaks, Epidemics, & Pandemics

Spring 2020 Sole Instructor, BIO 630, Introductory Biostatistics
 Sole Instructor, PUB 301 Health and Human Rights

Fall 2019 Co Instructor, NURS 875, Epidemiology for Advanced Nurse Practitioners

Fall 2018 Sole Instructor, NURS 724, Health Research Statistics I

Spring 2018 Sole Instructor, NURS 725, Health Sciences Statistics II

Fall 2017 Sole Instructor, EPID 711, Advanced Epidemiologic Methods
 Sole Instructor, NURS 724, Health Research Statistics I

Spring 2017 Sole Instructor, NURS 725, Health Sciences Statistics II
 Sole Instructor, EPID 712, Advanced Quantitative Methods in Epidemiology
 Sole Instructor, DENT 687, Research Methods

Fall 2016 Sole Instructor, NURS 724, Health Research Statistics I
 Sole Instructor, DENT 691, Applied Statistics for Practitioners I

Summer 16 Sole Instructor, EPID 795, International Field Placement
 Sole Instructor, EPID 795, Domestic Field Placement
 Sole Instructor, EPID 629, Capstone Project (MPH)

Spring 2016 Sole Instructor, EPID 663, Public Health Surveillance Systems
 Sole Instructor, EPID 711, Advanced Epidemiologic Methods
 Sole Instructor, EPID 691, Applied EPID Methods Sole
 Instructor, NURS 725, Health Sciences Statistics II

Fall 2015 Sole Instructor, EPID 712, Quantitative Methods in Epidemiology
 Sole Instructor, NURS 724, Health Sciences Statistics I

Summer 2015 Sole Instructor, PUBH 605, Introduction to Global Health
 Sole Instructor, PUBH 695, Scientific Writing & Academic Publication

Spring 2015 Sole Instructor, EPID 611, Intermediate Epi Methods Sole
 Instructor, EPID 711, Advanced Epi Methods
 Sole Instructor, EPID 771, Infectious Diseases Epidemiology
 Sole Instructor, EPID 695, Scientific Writing and Academic Publishing

Sole Instructor, EPID 625, MPH EPID Capstone
Fall 2014 Sole Instructor, EPID 663, Public Health Surveillance
Summer 2014 Sole Instructor, EPID 771, Infectious Diseases Epi
Spring 2014 Sole Instructor, EPID 611, Advanced Epi Methods
Sole Instructor, EPID 696, Critical Analysis & Thinking