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### **EDUCATION**

<b>DOCTOR OF PHILOSOPHY (Health Services Policy and Management)</b> University of South Carolina, Columbia, South Carolina	<b>2007</b>
<b>MASTER OF PUBLIC HEALTH</b> Public Health Administration and Policy, University of Minnesota, Twin Cities, MN	<b>2004</b>
<b>MASTER OF SCIENCE (Biochemistry)</b> University of Lagos	<b>2002</b>
<b>BACHELOR OF SCIENCE (Biochemistry)</b> University of Ibadan	<b>1999</b>

### **SUMMARY OF SKILLS**

- Health services administration teaching and research expertise
- Business Intelligence & Healthcare Analytics
- Proficient in use of statistical software such as SAS, SUDAAN and EpiData
- Skilled in applied data analytics, data manipulation and mining using SAS Enterprise Guide and Enterprise Miner

### **RELEVANT WORK HISTORY**

<b>ASSOCIATE PROFESSOR (Tenure Track)</b> Department of Health Services Policy and Management University of South Carolina	<b>August 2023 – Till Present</b>
<b>ASSISTANT PROFESSOR (Tenure Track)</b> Department of Health Services Policy and Management University of South Carolina	<b>August 2020 – July 2023</b>
<b>CLINICAL ASSOCIATE PROFESSOR</b> Department of Health Services Policy and Management University of South Carolina	<b>August 2015 – July 2020</b>
<b>MHA PROGRAM DIRECTOR</b> Department of Health Services Policy and Management University of South Carolina	<b>August 2015 – Till Present</b>
<b>INTERIM DEAN, Tillman School of Business</b> University of Mount Olive, North Carolina	<b>April 2015 – July 2015</b>

**DIVISION CHAIR, Tillman School of Business**  
University of Mount Olive, North Carolina

**January 2012 – March 2015**

**ASSISTANT PROFESSOR, Healthcare Management**  
University of Mount Olive, North Carolina

**Aug 2008 – May 2014**

**POSTDOCTORAL FELLOW**  
South Carolina Rural Health Research Center  
University of South Carolina

**Dec 2007 – July 2008**

**PhD STUDENT & GRADUATE RESEARCH ASSISTANT**  
Department of Health Services Policy and Management  
University of South Carolina

**Sept 2004 – Dec 2007**

**SOUTH CAROLINA RURAL HEALTH SUMMER FELLOW**  
Department of Health Services Policy and Management  
University of South Carolina

**May-June 2006**

**HIV/AIDS HOTLINES PROGRAM MANAGER**  
JHU/USAID YEF Project, Nigeria

**2002-2003**

**HRSA FIELD INVESTIGATOR**  
Care System Demonstration Project Minneapolis, Minnesota

**2004**

**Extramurally Funded Research**

**Ongoing**

R01AI164947-01 MPI: B. Olatosi & J. Zhang 06/09/2021-05/31/2026 NIH/NIAID  
Patterns and predictors of viral suppression: A Big Data approach  
Role: MPI

R01AI164947-03S1 MPI: B. Olatosi & J. Zhang 06/01/2023-05/31/2024 NIH/NIAID  
Sexual Orientation and Gender Identity (SOGI) measures and viral suppression for People Living  
with HIV (PLWH) using integrated electronic health records  
Role: MPI

3R01AI164947-02S1 MPI: B. Olatosi & J. Zhang 09/01/2022-05/31/2024 NIH/NIAID  
Personalized Prediction of Viral Suppression among Underrepresented Population Using All of Us  
Data  
Role: MPI

3R01AI164947-03S2 MPI: B. Olatosi & J. Zhang 09/01/2022-05/31/2024 NIH/NIAID  
Impact of viral suppression status and aging on cardiovascular disease: A 15 -year follow up study of  
a statewide cohort of People with HIV  
Role: MPI

3R01AI164947-02S2 MPI: B. Olatosi & S. Qiao 08/01/2022-05/31/2024 NIH/NIAID  
An Ethical Framework-Guided Metric Tool for Assessing bias In EHR-Based Big Data Studies  
Role: Co-I

R25AIAI164581-03s1MPI: X. Li & J. Zhang 08/018/2023-07/31/2024 NIH/NIAID  
Big Data Analytics Community Scholar (c-Scholar) program  
Role: Co-I

R21AI170159-01A1 PI: Yang 06/22-05/24 NIH/NIAID  
The COVID-19 vaccine efficacy among people living with and without HIV: a real-world data  
approach  
Role: Co-I

R21NR021079-01A1 PI: Yang 09/1//2023-08/31/2025 NIH/NIAID  
"Patterns and predictors of racial/ethnic disparities in HIV care continuum in the South  
Approach "  
Role: Co-I

R21 AI169139-01A1 PI: C. Liang 09/2022-08/2024 NIH/NIAID  
Informatics Approach to Identification and Deep Phenotyping of PASC Cases  
Role: Co-I

Excellency Initiative (USC)  
Title: Big Data Health Science Center  
MPI: **Olatosi, B** Effort: 10% academic calendar; PI: Li, X,  
Funds Requested: \$1,336,000

### **Completed**

1R01AI127203-01A1 NIH R01  
Title: *Big Data Analytics HIV*  
Funding agency: National Institute of Allergy and Infectious Diseases; 01/2017-12/2017  
Funds requested: \$3,101,970; Funds granted: \$3,101,970 (Year 1 total: \$655,554)  
MPI: **Olatosi, B**. Effort: 30% academic calendar; MPI: Li, X Co-investigators: Zhang, J, Weissman,  
S. Diangsheng, G & Hu, Jianjun  
This project used machine learning techniques, to explore, identify, characterize, explain and predict  
missed opportunities for HIV medical care for all persons living with HIV/AIDS (PLWHA) in SC

U2GGH002097-01 CDC  
Title: Partnering Effectively to End AIDS through Results and Learning (PEARL) Nigeria  
Funding Agency: Centers for Disease Control and Prevention (CDC) 10/2017 -09/22  
Research Consultant: Olatosi, B PI: Li, X  
Funds Requested \$246, 579; Funds granted Year 1 total: \$49,870

**PUBLICATIONS/TECHNICAL REPORTS**

- Jing, F., Li, Z., Qiao, S., Zhang, J., **Olatosi, B.**, & Li, X. (2023). Using geospatial social media data for infectious disease studies: a systematic review. *International Journal of Digital Earth*, 16(1), 130-157.
- Shi, F., Zhang, J., Yang, X., Gao, H., Chen, S., Weissman, S., **Olatosi, B.**, & Li, X. (2023). COVID-19 Testing Among People with HIV: A Population Level Analysis Based on Statewide Data in South Carolina. *AIDS and Behavior*, 1-11.
- Zeng, C., Zhang, J., Li, Z., Sun, X., Ning, H., Yang, X., **Olatosi, B.**, & Li, X. (2023). Residential Segregation and County-Level COVID-19 Booster Coverage in the Deep South: Surveillance Report and Ecological Study. *JMIR Public Health and Surveillance*, 9(1), e44257.
- Yang, X., Zhang, J., **Olatosi, B.**, Li, Z., Weissman, S., & Li, X. (2023). Patterns and predictors of racial/ethnic disparities in HIV care continuum in the Southern USA: protocol for a population-based cohort study. *BMJ open*, 13(12), e080521.
- Lessani, M. N., Li, Z., Jing, F., Qiao, S., Zhang, J., **Olatosi, B.**, & Li, X. (2023). Human mobility and the infectious disease transmission: a systematic review. *Geo-spatial Information Science*, 1-28.
- Liu, J., Hung, P., Zhang, J., **Olatosi, B.**, Shih, Y., Liang, C., ... & Li, X. (2023). Severe maternal morbidity by race and ethnicity before vs. during the COVID-19 pandemic. *Annals of Epidemiology*, 88, 51-61.
- Yang, X., Shi, F., Zhang, J., Gao, H., Chen, S., **Olatosi, B.**, ... & Li, X. (2023). Disease severity of COVID-19 in different phases of the pandemic: Do healthcare workers have better outcomes?. *Vaccine: X*, 15, 100377.
- Ma, Y., Zhang, J., Yang, X., Chen, S., Weissman, S., **Olatosi, B.**, ... & Li, X. (2023). Association of CD4+ cell count and HIV viral load with risk of non-AIDS-defining cancers. *AIDS*, 37(13), 1949-1957.
- Shi, F., Zhang, J., Yang, X., Sun, X., Li, Z., Weissman, S., **Olatosi, B.** & Li, X. (2023). Understanding social risk factors of county-level disparities in COVID-19 tests per confirmed case in South Carolina using statewide electronic health records data. *BMC Public Health*, 23(1), 2135.
- Li, Z., Qiao, S., Ning, H., Sun, X., Zhang, J., **Olatosi, B.**, & Li, X. (2023). Place Visitation Data Reveals the Geographic and Racial Disparities of COVID-19 Impact on HIV Service Utilization in the Deep South. *AIDS and Behavior*, 1-14.
- Yelverton, V., Gass, S.J., Amoatika, D., Cooke, C., Ostermann, J., Natafagi, N., Hair, N.L., **Olatosi, B.**, Owens, O.L., Qiao, S. and Li, X., 2023. The Future of Telehealth in Human Immunodeficiency Virus Care: A Qualitative Study of Patient and Provider Perspectives in South Carolina. *AIDS Patient Care and STDs*, 37(10), pp.459-468.
- Siddiqi, K. A., Ostermann, J., Zhang, J., Khan, M. M., & **Olatosi, B.** (2023). Ageing with HIV in the United States: Changing trends in inpatient hospital stays and comorbidities, 2003–2015. *HIV medicine*, 24(1), 93-103.
- Yang, X., Zhang, J., Cai, R., Liang, C., **Olatosi, B.**, Weissman, S., & Li, X. (2023). Computational phenotyping with the All of Us Research Program: identifying underrepresented people with HIV

or at risk of HIV. *JAMIA open*, 6(3), ooad071

- Gao, Haoyuan, Jiajia Zhang, Xueying Yang, Shujie Chen, Roy Mathew, Sharon Weissman, **Bankole Olatosi**, and Xiaoming Li. "The incidence and dynamic risk factors of chronic kidney disease among people with HIV." *AIDS* 37, no. 12 (2023): 1783-1790.
- Julceus, E. F., **Olatosi, B.**, Hung, P., Zhang, J., Li, X., & Liu, J. (2023). Racial disparities in adequacy of prenatal care during the COVID-19 pandemic in South Carolina, 2018–2021. *BMC Pregnancy and Childbirth*, 23(1), 686.
- Liang, C., Lyu, T., Weissman, S., Daering, N., **Olatosi, B.**, Hikmet, N., & Li, X. (2023). Early Prediction of COVID-19 Associated Hospitalization at the Time of CDC Contact Tracing using Machine Learning: Towards Pandemic Preparedness. *Research Square*.
- Qiao, S., Khushf, G., Li, X., Zhang, J., & **Olatosi, B.** (2023). Developing an ethical framework-guided instrument for assessing bias in EHR-based Big Data studies: a research protocol. *BMJ open*, 13(8), e070870.
- Qiao, Shan, Jiajia Zhang, Zhenlong Li, **Bankole Olatosi**, Sharon Weissman, and Xiaoming Li. "The Impacts of HIV-Related Service Interruptions During the COVID-19 Pandemic: Protocol of a Mixed Methodology Longitudinal Study." *AIDS and Behavior* (2023): 1-16.
- Siddiqi, K. A., Gwynn, M., **Olatosi, B.**, & Ostermann, J. (2023). Associations Between Clinic-Based HIV Testing Guidelines and Population-Level HIV Testing Rates in the United States. *Journal of the Association of Nurses in AIDS Care*, 34(4), 349-362.
- Guo, S., Zhang, J., Yang, X., Weissman, S., **Olatosi, B.**, Patel, R. C., ... & N3C Consortium Moffitt Richard A. Chute Christopher G. Haendel Melissa A. (2023). Impact of HIV on COVID-19 Outcomes: A Propensity Score Matching Analysis with Varying Age Differences. *AIDS and Behavior*, 1-12.
- Qiao, S., Wilcox, S., **Olatosi, B.**, & Li, X. (2023). COVID-19 challenges, responses, and resilience among rural Black women: a study protocol. *Frontiers in Public Health*, 11, 1156717.
- Shi, Fanghui, Jiajia Zhang, Chengbo Zeng, Xiaowen Sun, Zhenlong Li, Xueying Yang, Sharon Weissman, **Bankole Olatosi**, and Xiaoming Li. "County-level variations in linkage to care among people newly diagnosed with HIV in South Carolina: A longitudinal analysis from 2010 to 2018." *Plos one* 18, no. 5 (2023): e0286497.
- Qiao, S., Shirley, C., Garrett, C., Weissman, S., **Olatosi, B.**, & Li, X. (2023). Facilitators of Organizational Resilience Within South Carolina AIDS Service Organizations: Lessons Learned from the COVID-19 Pandemic. *AIDS and Behavior*, 1-12.
- Yang, X., Zhang, J., Chen, S., Weissman, S., **Olatosi, B.**, & Li, X. (2023). The impact of COVID-19 pandemic on the dynamic HIV care engagement among people with HIV: real-world evidence. *AIDS (London, England)*, 37(6), 951.
- Giannouchos, T. V., Li, Z., Hung, P., Li, X., & **Olatosi, B.** (2023). Rural-Urban Disparities in Hospital Admissions and Mortality Among Patients with COVID-19: Evidence from South Carolina from 2021 to 2022. *Journal of Community Health*, 1-10.
- Zhang, J., Yang, X., Weissman, S., Li, X., & **Olatosi, B.** (2023). Protocol for developing a personalised prediction model for viral suppression among under-represented populations in the context of the COVID-19 pandemic. *BMJ open*, 13(5), e070869.
- Mathew, R. O., Zhang, J., Yang, X., Chen, S., **Olatosi, B.**, & Li, X. (2023). Incidence of Chronic

Kidney Disease Following Acute Coronavirus Disease 2019 Based on South Carolina Statewide Data. *Journal of General Internal Medicine*, 1-9.

- Ning, H., Li, Z., Qiao, S., Zeng, C., Zhang, J., **Olatosi, B.**, & Li, X. (2023). Revealing geographic transmission pattern of COVID-19 using neighborhood-level simulation with human mobility data and SEIR model: A Case Study of South Carolina. *International Journal of Applied Earth Observation and Geoinformation*, 118, 103246.
- Lyu, T., Liang, C., Liu, J., Hung, P., Zhang, J., Campbell, B., Ghumman, N., **Olatosi, B.**, Hikmet, N., Zhang, M. and Yi, H., 2023. Risk for stillbirth among pregnant individuals with SARS-CoV-2 infection varied by gestational age. *American journal of obstetrics and gynecology*.
- Shi, Fanghui, Jiajia Zhang, Xueying Yang, Xiaowen Sun, Zhenlong Li, Chengbo Zeng, Huan Ning, Sharon Weissman, **Bankole Olatosi**, and Xiaoming Li. "Moderation effect of community health on the relationship between racial/ethnic residential segregation and HIV viral suppression in South Carolina: A county-level longitudinal study from 2013 to 2018." *Frontiers in Public Health* 10 (2023): 1013967.
- Yang, X., Zhang, J., **Olatosi, B.**, Li, Z., Weissman, S., & Li, X. (2023). Protocol: Patterns and predictors of racial/ethnic disparities in HIV care continuum in the Southern USA: protocol for a population-based cohort study. *BMJ Open*, 13(12).
- Bailey, P., Chen, S., Al-Hasan, M. N., **Olatosi, B.**, Li, X., & Zhang, J. (2023). Ecologic analysis of antimicrobial use in South Carolina hospitals during 2020–2022. *Antimicrobial Stewardship & Healthcare Epidemiology*, 3(1), e232.
- Zeng, Chengbo, Jiajia Zhang, Zhenlong Li, Xiaowen Sun, Huan Ning, Xueying Yang, Sharon Weissman, **Bankole Olatosi**, Xiaoming Li, and C. Liang. "Residential Segregation as a Barrier to Covid-19 Booster Coverage in Deep South." *Topics in Antiviral Medicine* (2023): 402-402.
- Yue, Y., Liang, C., Weissman, S., Lyu, T., **Olatosi, B.**, & Li, X. (2023). 12-MONTH CONSEQUENCES IN PEOPLE WITH HIV/SARS-CoV-2 COINFECTION: NATIONAL EHR COHORT. *Topics in Antiviral Medicine*, 354-354.
- Zhang, J., Yang, X., Weissman, S., Li, X., & **Olatosi, B.** (2023). Protocol: Protocol for developing a personalised prediction model for viral suppression among under-represented populations in the context of the COVID-19 pandemic. *BMJ Open*, 13(5).
- Bennett, C. L., Clay, C. E., Siddiqi, K. A., **Olatosi, B. A.**, Parsonnet, J., & Camargo, J. C. A. (2023). Characteristics of California Emergency Departments in Centers for Disease Control and Prevention-Designated HIV Priority Counties. *The Journal of Emergency Medicine*, 64(1), 93-102.
- Nkwonta, C. A., Zhang, J., Chen, S., Weissman, S., **Olatosi, B.**, & Li, X. (2022). Prevalence and trend of AIDS-defining cancers and non-AIDS-defining cancers and their association with antiretroviral therapy among people living with HIV in South Carolina: a population-based cohort study. *AIDS care*, 1-11.
- Siddiqi, K. A., Ostermann, J., Zhang, J., Khan, M. M., & **Olatosi, B.** (2022) Ageing with HIV in the United States: Changing trends in inpatient hospital stays and comorbidities, 2003–2015. *HIV medicine*.
- Xueying, Y., Zhang, J., **Olatosi, B.**, Weissman, S., & Li, X. (2022). COVID-19 vaccine effectiveness among people living with and without HIV in South Carolina, USA: protocol of a population-based cohort study. *BMJ open*, 12(8), e067095.

- Siddiqi, K. A., Liu, Y., Ding, D. D., & **Olatosi, B. A.** (2022). Estimating resource utilization for emergency department visits by patients' HIV seropositivity in the United States, 2009 to 2018. *The American Journal of Emergency Medicine*, *53*, 73-79.
- Zeng, C., Zhang, J., Li, Z., Sun, X., Yang, X., **Olatosi, B.**, ... & Li, X. (2022). Population Mobility and Aging Accelerate the Transmission of Coronavirus Disease 2019 in the Deep South: A County-Level Longitudinal Analysis. *Clinical Infectious Diseases*, *74*(Supplement\_3), e1-e3.
- Liang, C., Weissman, S., **Olatosi, B.**, Poon, E. G., Yarrington, M. E., & Li, X. (2022). Curating a knowledge base for individuals with coinfection of HIV and SARS-CoV-2: a study protocol of EHR-based data mining and clinical implementation. *BMJ Open*, *12*(9), e067204.
- Zhang, J., **Olatosi, B.**, Yang, X., Weissman, S., Li, Z., Hu, J., & Li, X. (2022). Studying patterns and predictors of HIV viral suppression using A Big Data approach: a research protocol. *BMC Infectious Diseases*, *22*(1), 1-12.
- Shi, F., Zhang, J., Yang, X., Li, Z., Sun, X., Zeng, C., H. Ning, **B. Olatosi**, S. Weissman, & Li, X. (2022, August). Racial residential segregation as a structural barrier to viral suppression among people living with HIV in the Southern United States from 2013 to 2018: a county-level longitudinal study. In *Journal of The International AIDS Society* (Vol. 25, pp. 141-142).
- Liu, J., Hung, P., Liang, C., Zhang, J., Qiao, S., Campbell, B. A., Olatosi, B., Torres, M.E., Hikmet, N., & Li, X. (2022). Multilevel determinants of racial/ethnic disparities in severe maternal morbidity and mortality in the context of the COVID-19 pandemic in the USA: protocol for a concurrent triangulation, mixed-methods study. *BMJ Open*, *12*(6), e062294.
- Xueying, Y., Zhang, J., **Olatosi, B.**, Weissman, S., & Li, X. (2022). COVID-19 vaccine effectiveness among people living with and without HIV in South Carolina, USA: protocol of a population-based cohort study. *BMJ open*, *12*(8), e067095.
- Zhang, R., Qiao, S., McKeever, B. W., **Olatosi, B.**, & Li, X. (2022). Listening to Voices from African American Communities in the Southern States about COVID-19 Vaccine Information and Communication: A Qualitative Study. *Vaccines*, *10*(7), 1046.
- Joseph, A., **Olatosi, B.**, Haider, M. R., Adegboyega, B. C., Lasebikan, N. N., Aliyu, U. M., ... & Onitilo, A. A. (2022). Patient's Perspective on the Impact of COVID-19 on Cancer Treatment in Nigeria. *JCO Global Oncology*, *8*, e2100244.
- Qiao, S., Zhang, J., Chen, S., **Olatosi, B.**, Hardeman, S., Narasimhan, M., ... & Li, X. (2022). How Different Pre-existing Mental Disorders and Their Co-occurrence Affects COVID-19 Clinical Outcomes? A Real-World Data Study in the Southern United States. *Frontiers in public health*, *10*.
- Ozigbu, C. E., **Olatosi, B.**, Li, Z., Hardin, J. W., & Hair, N. L. (2022). Correlates of Zero-Dose Vaccination Status among Children Aged 12–59 Months in Sub-Saharan Africa: A Multilevel Analysis of Individual and Contextual Factors. *Vaccines*, *10*(7), 1052.
- Yang, X., Yelton, B., Chen, S., Zhang, J., **Olatosi, B. A.**, Qiao, S., ... & Friedman, D. B. (2022). Examining Social Determinants of Health During a Pandemic: Clinical Application of Z Codes Before and During COVID-19. *Frontiers in Public Health*, 1162.
- Guo, S., Zhang, J., Yang, X., Weissman, S., Olatosi, B. A., Patel, R., & Li, X. (2022). Impact Of Aging in HIV On COVID-19 Outcomes Via A Matched Study. *Topics in Antiviral Medicine*, 363-363.

- Olatosi, B.**, Vermund, S. H., & Li, X. (2021). Power of Big Data in ending HIV. *AIDS*: S1-S5.
- Weissman, S., Yang, X., Zhang, J., Chen, S., **Olatosi, B.**, & Li, X. (2021). Using a machine learning approach to explore predictors of healthcare visits as missed opportunities for HIV diagnosis. *AIDS*: S7-S18.
- Olatosi, B.**, Sun, X., Chen, S., Zhang, J., Liang, C., Weissman, S., & Li, X. (2021). Application of machine-learning techniques in classification of HIV medical care status for people living with HIV in South Carolina. *AIDS*: S19-S28
- Yang, X., Sun, J., Patel, R.C., Zhang, J., Guo, S., Zheng, Q., Olex, A.L., **Olatosi, B.**, Weissman, S.B., Islam, J.Y. and Chute, C.G., 2021. Associations between HIV infection and clinical spectrum of COVID-19: a population level analysis based on US National COVID Cohort Collaborative (N3C) data. *The Lancet HIV*, 8(11), pp.e690-e700.
- Qiao, S., Li, Z., Weissman, S., Li, X., **Olatosi, B.**, Davis, C. and Mansaray, A.B., 2021. Disparity in HIV service interruption in the outbreak of COVID-19 in South Carolina. *AIDS and Behavior*, 25(1), pp.49-57.
- Qiao, S., Li, X., Olatosi, B., & Young, S. D. (2021). Utilizing Big Data analytics and electronic health record data in HIV prevention, treatment, and care research: a literature review. *AIDS care*, 1-21.
- Liang, C., Qiao, S., **Olatosi, B.**, Lyu, T. and Li, X., 2021. Emergence and evolution of big data science in HIV research: Bibliometric analysis of federally sponsored studies 2000–2019. *International journal of medical informatics*, 154, p.104558.
- Yang, X., Zhang, J., Chen, S., Weissman, S., **Olatosi, B.**, & Li, X. (2021). Comorbidity patterns among people living with HIV: a hierarchical clustering approach through integrated electronic health records data in South Carolina. *AIDS care*, 33(5), 594-606.
- Zeng, C., Zhang, J., Li, Z., Sun, X., **Olatosi, B.**, Weissman, S., & Li, X. (2021). Spatial-Temporal Relationship Between Population Mobility and COVID-19 Outbreaks in South Carolina: Time Series Forecasting Analysis. *Journal of medical Internet research*, 23(4), e27045.
- Yelverton, V., Qiao, S., Weissman, S., **Olatosi, B.**, & Li, X. (2021). Telehealth for HIV Care Services in South Carolina: Utilization, Barriers, and Promotion Strategies During the COVID-19 Pandemic. *AIDS and Behavior*, 1-13.
- Zeng, C., Zhang, J., Sun, X., Li, Z., Weissman, S., **Olatosi, B.**, & Li, X. (2021). County-level predictors of retention in care status among people living with HIV in South Carolina from 2010 to 2016: a data-driven approach. (2021) *AIDS Care*: S53-S64.
- Yang, Xueying, Jiajia Zhang, Shujie Chen, Sharon Weissman, **Bankole Olatosi**, and Xiaoming Li. "Utilizing electronic health record data to understand comorbidity burden among people living with HIV: a machine learning approach." (2021) *AIDS Care*: S39-S51.
- Haider, M.R., Brown, M.J., Harrison, S., Yang, X., Ingram, L., Bhoohibhoya, A., Hamilton, A., **Olatosi, B.** and Li, X., 2021. Sociodemographic factors affecting viral load suppression among people living with HIV in South Carolina. *AIDS care*, 33(3), pp.290-298.
- Weissman, S., Yang, X., Zhang, J., Chen, S., **Olatosi, B.** and Li, X., 2021. Using a machine learning approach to explore predictors of healthcare visits as missed opportunities for HIV diagnosis. *AIDS*, 35, pp.S7-S18.
- Yang, X., Zhang, J., Chen, S., **Olatosi, B.**, Bruner, L., Diedhiou, A., Scott, C., Mansaray, A.,



Weissman, S. and Li, X., 2021, September. Demographic disparities in clinical outcomes of COVID-19: data from a statewide cohort in South Carolina. In *Open forum infectious diseases* (Vol. 8, No. 9, p. ofab428). US: Oxford University Press.

Haynes, E.E., Gwynn, M., Momodu, O. and **Olatosi, B.**, 2021. Project Management Training in Schools and Programs of Public Health in the United States. *Pedagogy in Health Promotion*, p.23733799211062245.

Li, Z., Li, X., Porter, D., Zhang, J., Jiang, Y., **Olatosi, B.**, & Weissman, S. (2020). Monitoring the Spatial Spread of COVID-19 and Effectiveness of the Control Measures through Human Movement using Big Social Media Data: A Study Protocol. *JMIR research protocols*.

Yang, X., Zhang, J., Chen, S., Weissman, S., **Olatosi, B.**, & Li, X. (2020). Comorbidity patterns among people living with HIV: a hierarchical clustering approach through integrated electronic health records data in South Carolina. *AIDS care*, 1-13.

Qiao, S., Li, Z., Weissman, S., Li, X., **Olatosi, B.**, Davis, C., & Mansaray, A. B. (2020). Disparity in hiv service interruption in the outbreak of covid-19 in south carolina. *AIDS and Behavior*, 1-9.

Li, Z., Li, X., Porter, D., Zhang, J., Jiang, Y., **Olatosi, B.**, & Weissman, S. (2020). Monitoring the Spatial Spread of COVID-19 and Effectiveness of the Control Measures through Human Movement using Big Social Media Data: A Study Protocol. *JMIR research protocols*.

**Olatosi, B.**, Siddiqi, K. A., & Conserve, D. F. (2020). Towards ending the human immunodeficiency virus epidemic in the US: State of human immunodeficiency virus screening during physician and emergency department visits, 2009 to 2014. *Medicine*, 99(2), e18525.

Qiao, S., Li, Z., Weissman, S., Li, X., **Olatosi, B.**, Davis, C., & Mansaray, A. B. (2020). Disparity in HIV Service Interruption in the Outbreak of COVID-19 in South Carolina. *AIDS and behavior*, 1-9.

Sazid Khan, Alexander C. McLain, **Bankole Olatosi**, Myriam E. Torres & Jan Eberth (2020) Small Area Estimation of County-Level U.S. HIV Prevalent Cases *Annals of Epidemiology*, 48, 30-35

Chinaeke Eric, Yuan Hong, Jiajia Zhang, PhD and **Olatosi Bankole** (2020)

The Positive Association between Employment and Self-reported Mental Health in the US: A Robust Application of Marginalized Zero-Inflated Negative Binomial Regression (MZINB) *Journal of Public Health* 42 (2), 340-352

Rifat Haider, Bankole Olatosi, Monique Brown, Khairul A. Siddiqi, Karim Sabrina, and Xiaoming Li, (2020) Factors associated with self-reported HIV testing in the Dominican Republic *International Journal of STD & AIDS* ID IJSA-19-273 Jan 2020

Mohammad Rifat Haider, Monique J. Brown, Rajat Das Gupta, Sabrina Karim, **Bankole Olatosi** & Xiaoming Li (2020) Psycho-Social Correlates of Opioid Use Disorder among the US Adult Population: Evidence from the National Survey on Drug Use and Health, 2015–2018, *Substance Use & Misuse*, DOI: [10.1080/10826084.2020.1788086](https://doi.org/10.1080/10826084.2020.1788086)

**Olatosi, B.**, Weissman, S., Zhang, J., Chen, S., Haider, M. R., & Li, X. (2019). Neighborhood Matters: Impact on Time Living with Detectable Viral Load for New Adult HIV Diagnoses in South Carolina. *AIDS and behavior*, 1-9.

Haider, M. R., Brown, M. J., Harrison, S., Yang, X., Ingram, L., Bhochohibhoya, A., Hamilton A, **Olatosi B**, Li, X. (2019). Sociodemographic factors affecting viral load suppression among people living with HIV in South Carolina. *AIDS care*, 1-9.

- Hung, P., Deng, S., Zahnd, W. E., Adams, S. A., **Olatosi, B.**, Crouch, E. L., & Eberth, J. M. (2019). Geographic disparities in residential proximity to colorectal and cervical cancer care providers. *Cancer*.
- Olatosi, B.**, Zhang, J., Weissman, S., Hu, J., Haider, M. R., & Li, X. (2019). Using big data analytics to improve HIV medical care utilisation in South Carolina: A study protocol. *BMJ open*, 9(7), e027688.
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- Ozigbu, C. E., Siddiqi, K. A., & **Olatosi, B. A.** (2019). Hospital inpatient outcome of hepatitis c patients co-infected with HIV in the United States: Results from 2014 national inpatient sample. *Value in Health*, 22, S262.
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- Long, J & **Olatosi BA**, (2015) Analysis of Legal and Ethical Issues for Data Analytic Service Providers in the Healthcare Industry *SSRN Electronic Journal*. 10.2139/ssrn.3043950.
- Piper CN, Elder K, **Olatosi BA**, Onsomu E, Williams EM, Sebastian N, Ogbuano C, Lee W, and Glover SH (2012). Beliefs and perception of risks of HIV among women that have never been tested for HIV in the United States *Journal of National Medical Association*, 104(9-10): 441-44
- Laditka SN, Laditka JN, **Olatosi BA** and Elder K (2011). Not Quite color Blind: ethnic and Gender Differences in Attitudes Toward Older People Among College Students. *International Journal of Aging and Human Development*, 73(2) 53-71
- Olatosi BA**, Probst JC, Stoskopf C, Martin AB, and Duffus AW (2009). Patterns of engagement in care by HIV-infected adults: South Carolina, **2004-2006 AIDS** 23(6) 27 pg. 725-730
- Bennett KJ, **Olatosi BA**, and Probst, J. “Health Disparities: A Rural – Urban Chart book” Grant Report submitted to the United States Federal Office of Rural Health Policy, (ORHP) 2008
- Laditka SN, Laditka JN, **Olatosi BA** and Elder K (2007). The Health Tradeoff of Rural Residence for Impaired Older Adults: Longer Life, More Impairment. *Journal of Rural Health*, 23(2) 124-132
- Onitilo A, Engel T, **Olatosi BA**, and Fagbemi E (2007). Community Experience with Bortezomib in Patients with Multiple Myeloma. *American Journal of Hematology*, 82(7), 637-639
- Laditka SN, Laditka JN, **Olatosi, BA** and Elder, K. “Burdens among Older Americans Associated with Gender and Race/Ethnicity in Rural and Urban Areas” Grant Report submitted to the United States Federal Office of Rural Health Policy, (ORHP) 2005
- Laditka, J. N., Laditka, S. B., **Olatosi, BA.**, & Elder, K. T. Disability burdens among older Americans associated with gender and race: ethnicity in rural and urban areas. University of South Carolina's Rural Health Research Center (2005)

**REFEREED PRESENTATIONS AT NATIONAL SCIENTIFIC MEETINGS/PUBLISHED ABSTRACTS (Postdoc/Mentee/Student co-authors underlined)**

**Bankole Olatosi**, Xiaoming Li, Sharon Weissman, and Jiajia Zhang. International Association of Providers of AIDS Care (IAPAC) Adherence 2021 Conference Florida. Big Data Science: Innovations Using Big Data Science to Re-Engage and Retain People with HIV. In Adherence Conference 2021

**Bankole Olatosi**, Xiaoming Li, Jiajia Zhang, Xiaowen Sun, Jordan Moseley, Alexandria Waddell, Chen Liang. Applying chart abstractions to inform predicting HIV medical care status using big data science: Findings from South Carolina. In APHA 2021 Annual Meeting and Expo. APHA.

**Bankole Olatosi**, Rifat Haider, Adedayo Joseph, Bolanle Adegboyega, Nwamaka Lasebikan, Opeyemi Awofeso, MBBS and Adedayo Onitilo. The impact of COVID-19 on cancer treatment in Nigeria: A patient's perspective. In APHA 2021 Annual Meeting and Expo. APHA.

**Bankole Olatosi**, Xiaoming Li, Sharon Weissman, and Jiajia Zhang. COVID-19 in South Carolina: Applying A Big Data Science Driven Approach. In Plenary Presentation, 2<sup>nd</sup> National Big Data Health Science Conference 2021

Yang, X., Zeng, C., **Olatosi, B.**, Weissman, S. and Li, X., 2021, October. Temporal trends of state level mental health disorder in the amidst of COVID-19 pandemic: The role of community resilience. In APHA 2021 Annual Meeting and Expo. APHA.

Zeng, C., Zhang, J., Li, Z., Sun, X., **Olatosi, B.**, Weissman, S. and Li, X., 2021. Spatial-temporal relationship between population mobility and COVID-19 outbreaks in South Carolina: time series forecasting analysis. In APHA 2021 Annual Meeting and Expo. APHA.

Chengbo Zeng, Jiajia Zhang, Xiaowen Sun, **Bankole Olatosi**, Xiaoming Li., Dynamic relationship between population mobility and COVID-19 incidence in South Carolina: Practical application of time-varying effect model to surveillance data., In APHA 2021 Annual Meeting and Expo. APHA.

Calli Shirley, Shan Qiao, **Bankole Olatosi**, Xiaoming Li. Fostering organizational resilience in HIV care facilities in South Carolina: Lessons learned form the COVID-19 pandemic., In APHA 2021 Annual Meeting and Expo. APHA.

Xueying Yang, Jiajia Zhang, Siyuan Guo, **Bankole Olatosi**, Xiaoming Li. HIV infection and COVID-19 disease severity: A population-based cohort analysis based on US national COVID cohort collaborative (N3C) enclave data. In APHA 2021 Annual Meeting and Expo. APHA.

Chengbo Zeng, Xueying Yang, Cheuk Chi Tam, Shan Qiao, **Bankole Olatosi**, Xiaoming Li. HIV service interruptions during the COVID-19 pandemic: The role of HIV service challenges and institutional response from healthcare professional's perspective. In APHA 2021 Annual Meeting and Expo. APHA.

Fanghui Shi, Jiajia Zhang, Chengbo Zeng, Xiaowen Sun, **Bankole Olatosi**, Xiaoming Li Geospatial difference in linkage to care among HIV population in South Carolina from 2010 to 2016: A county-level longitudinal analysis. In APHA 2021 Annual Meeting and Expo. APHA.

Chengbo Zeng, Jiajia Zhang, Xiaowen Sun, Xueying Yang, **Bankole Olatosi**, Xiaoming Li  
Population mobility and health disparities in COVID-19 outbreaks in deep south: A county-level longitudinal analysis. In APHA 2021 Annual Meeting and Expo. APHA.

Chien-Ching Li, Jean Abraham, Ruiling Guo, and **Bankole Olatosi**, Analytics Learning For Health Administration Students: Innovative Approaches Association of University Programs in Health Administration (AUPHA) Annual Meeting, (July. 2020, Oral Panel Session)

**Bankole Olatosi**, Jiajia Zhang and Sharon Weissman, (2020) Fighting Disease with Big Data” SC HIV Big Data Project Replication with VA HIV Data. Presented at the First Dorn VA, UofSC Collaborative Data Conference, August 2020 (Oral)

**Bankole Olatosi**, Xiaowen Sun, Jiajia Zhang, Chen Liang, and Xiaoming Li (2020) Predicting Retention-in-care for PLWH in South Carolina by Integration of Clinical Care and Social Care Data and Machine Learning, AMIA Annual Symposium Proceedings (November 2020, Oral)

Xueying Yang, Jiajia Zhang, Shujie Chen , Sharon Weissman , **Bankole Olatosi**, and Xiaoming Li, Machine learning approaches to understanding predictors of comorbidity among people living with HIV in electronic health record data In *APHA's 2020 VIRTUAL Annual Meeting and Expo (Oct. 24-28)*. American Public Health Association (Oral).

Chengbo Zeng, Jiajia Zhang, Xiaowen Sun, Zhenlong Li, Sharon Weissman, **Bankole Olatosi**, and Xiaoming Li (2020) Contextual factors with county-level retention in care status among people living with HIV in South Carolina from 2005 to 2016 In *APHA's 2020 VIRTUAL Annual Meeting and Expo (Oct. 24-28)*. American Public Health Association (Oral).

Sharon Weissman, Jiajia Zhang, Shujie Chen, **Bankole Olatosi** and Xiaoming Li (2020) Using big data and machine learning to predict missed opportunities for HIV diagnosis in South Carolina. In *APHA's 2020 VIRTUAL Annual Meeting and Expo (Oct. 24-28)*. American Public Health Association (Oral).

**Bankole Olatosi**, Xiaowen Sun, Jiajia Zhang, Shujie Chen, Sharon Weissman, and Xiaoming Li (2020) Application of machine learning techniques in classification of HIV medical care status for people living with HIV in South Carolina. In *APHA's 2020 VIRTUAL Annual Meeting and Expo (Oct. 24-28)*. American Public Health Association (Oral).

**Bankole Olatosi**, Jiajia Zhang, Sharon Weissman , Shujie Chen, Xiaoming Li, and Xiaowen Sun., Machine Learning and HIV Treatment Cascade: Findings from the Big Data Analytics HIV/AIDS Health Utilization Project in South Carolina. In *APHA's 2020 VIRTUAL Annual Meeting and Expo (Oct. 24-28)*. American Public Health Association (Oral).

Nkwonta, C., **Olatosi, B. A.**, Zhang, J., Chen, S., Weissman, S., & Li, X. (2020, October). Characteristics and treatment outcome of women living with HIV in South Carolina. In *APHA's 2020 VIRTUAL Annual Meeting and Expo (Oct. 24-28)*. American Public Health Association.

**Bankole Olatosi**, Sharon Weissman, Xiaowen Sun, Jiajia Zhang, & Xiaoming Li (2020) Preliminary Findings: Predictive Modeling of SC PLWH's Retention-in-care. University of South Carolina Annual Big Data Health Science Conference, NIH Grantee Sessions (February, 2020 Oral)

**Olatosi, B. A.**, Weissman, S., Zhang, J., Chen, S., Haider, M. R., & Li, X. (2019, November). Where you live matters: Time to attain Viral Suppression among newly diagnosed adult People Living With HIV in South Carolina, 2014-2017. In *APHA's 2019 Annual Meeting and Expo (Nov. 2-Nov. 6)*. American Public Health Association.

**Olatosi, B. A.**, Siddiqi, K., Zhang, J., Haider, M. R., Gwynn M., and Ostermann J. (2019, November). Journey So Far: Assessing the Effects of United States Preventative Service Task Force and Centers for Disease Control and Prevention Recommendations on HIV Testing in the United States. In *APHA's 2019 Annual Meeting and Expo (Nov. 2-Nov. 6)*. American Public Health Association.

Weissman, S., **Olatosi, B. A.**, Zhang, J., Chen, S., Haider, M. R., & Li, X. (2019, November). Impact on time living with detectable viral load for new adult HIV diagnoses in South Carolina: Does Neighborhood Matter?" is scheduled to be presented at session, "Linkage, engagement and retention in care: Preliminary results from the Big Data Analytics HIV/AIDS Health Utilization project in South Carolina. In *APHA's 2019 Annual Meeting and Expo (Nov. 2-Nov. 6)*. American Public Health Association.

Weissman, S., **Olatosi, B. A.**, Zhang, J., Chen, S., Haider, M. R., & Li, X. (2019, November). Impact on time living with detectable viral load for new adult HIV diagnoses in South Carolina: Does Neighborhood Matter?. In *APHA's 2019 Annual Meeting and Expo (Nov. 2-Nov. 6)*. American Public Health Association.

Haider, M. R., Karim, S., Brown, M. J., **Olatosi, B. A.**, & Li, X. (2019, November). Determinants of opioid misuse in the USA: Evidence from National Survey on Drug Use and Health 2015-2017. In *APHA's 2019 Annual Meeting and Expo (Nov. 2-Nov. 6)*. American Public Health Association.

Haider, M. R., Karim, S., Brown, M. J., **Olatosi, B. A.**, & Li, X. (2019, November). Poster Double Trouble: Rate and determinants of STD coinfection among people living with HIV in South Carolina In *APHA's 2019 Annual Meeting and Expo (Nov. 2-Nov. 6)*. American Public Health Association.

Zhang, J., Haider, M. R., **Olatosi, B. A.**, Weissman, S., & Li, X. (2019, November). Preliminary findings from the predictive modeling of SC PLWH's retention-in-care. In *APHA's 2019 Annual Meeting and Expo (Nov. 2-Nov. 6)*. American Public Health Association.

Haider, M. R., MHE, M., Brown, M. J., Khairul Siddiqi, M. P. S., Karim, S., **Olatosi, B. A.**, & Li, X. (2019, November). Sociodemographic factors associated with self-reported HIV testing in the Dominican Republic. In *APHA's 2019 Annual Meeting and Expo (Nov. 2-Nov. 6)*. American Public Health Association.

- Haider, M. R., MHE, M., & Karim, S., Kates F.R., **Olatosi, B. A.**, & Li. X. (2019, November). Trends in Injectable Drug Uses and their association with Hepatitis B or C incidence in the USA: Evidence from National Survey on Drug Use and Health 2015-2017. In *APHA's 2019 Annual Meeting and Expo (Nov. 2-Nov. 6)*. American Public Health Association.
- Sazid Khan, Alexander C. McLain, **Bankole Olatosi**, Myriam E. Torres & Jan Eberth (2019) Small Area Estimation of County-Level U.S. HIV Prevalent Cases **Student Paper prize winner** at the American College of Epidemiology Annual Meeting, Pasadena, California
- Mahfuzar R, Tanzir AS, **Olatosi BA**, Haider MR, & Khan M (2018) Factors associated with burden of underweight and overweight among Bangladeshi women of reproductive age. Accepted for Poster Presentation at the 139<sup>th</sup> American Public Health Association (APHA) Annual Meeting and Exposition, San Diego
- Siddiqi K, Haider MR, Siddiqi SA, & **Olatosi BA** (2018) Income-Related Disparity in Medical Care Use among American Children: Evidence from the National Survey of Children's Health, 2011-12 Accepted for Poster Presentation at the 139<sup>th</sup> American Public Health Association (APHA) Annual Meeting and Exposition, San Diego
- Merrell MA, **Olatosi, BA**, Bennett K, Probst JC, & Hall J, (2018) Rural Hospital Closures: Impact on Mortality from Emergency Care Sensitive Conditions Accepted for Oral Presentation at the 139<sup>th</sup> American Public Health Association (APHA) Annual Meeting and Exposition, San Diego
- Haider MR, **Olatosi BA**, Zhang J, Weissman S, and Li X, (2018) Using Big Data Analytics to improve HIV medical care utilization in South Carolina Accepted for Oral Presentation at the at the 139<sup>th</sup> American Public Health Association (APHA) Annual Meeting and Exposition, San Diego
- Olatosi BA**, Siddiqi K, & Probst, J.C. (2018) Absence Of Evidence: HIV Surveillance Data Suppression and Rural America Accepted for Oral Presentation at the at the 139<sup>th</sup> American Public Health Association (APHA) Annual Meeting and Exposition, San Diego
- Siddiqi K, Haider MR, Siddiqi SA, & **Olatosi BA** (2018) Differential Provider Decision Making for HIV Screening in U.S. Hospital Outpatient Departments, 2009-2011 Accepted for Oral Presentation at the at the 139<sup>th</sup> American Public Health Association (APHA) Annual Meeting and Exposition, San Diego
- Olatosi BA**, Zhang J, Weissman S, Haider MR., & Li, X (2018) Fighting Disease with Big Data: SC HIV Big Data Project Protocol Accepted for Oral Presentation at the at the 139<sup>th</sup> American Public Health Association (APHA) Annual Meeting and Exposition, San Diego
- Siddiqi K, Haider MR, Siddiqi SA, & **Olatosi BA**, & Deng, S. (2017) Unmet Medical Care Need among Americans: Does Having Usual Source of Care Matter? Oral Presentation at the 138<sup>th</sup> American Public Health Association (APHA) Annual Meeting and Exposition Atlanta, Georgia
- Olatosi BA** & Siddiqi KA, (2017) HIV Screening Trends in US Emergency Departments and Physician Offices, 2009-2013, Oral Presentation at the 138<sup>th</sup> American Public Health Association (APHA) Annual Meeting and Exposition Atlanta, Georgia
- Olatosi BA** & Chamberline Ozigbu, (2017) Prevalence of HIV Testing Among Adults with a Hepatitis C Diagnosis: Findings from the National Health and Nutrition Examination Survey 2009 – 2014, Poster Presentation at the 138<sup>th</sup> American Public Health Association (APHA) Annual Meeting and Exposition Atlanta, Georgia
- Chinaeke E & **Olatosi BA**, (2017) Effect of PSA PRE-Screening Counselling on Reported Unhealthy Mental Health Days: A Zero-Inflated Negative Binomial (ZINB) Estimation Using BRFSS,

- 2011-2015 Poster Presentation at the 138<sup>th</sup> American Public Health Association (APHA) Annual Meeting and Exposition Atlanta, Georgia
- Olatosi BA** & Siddiqi KA, (2017) Six Year National Estimates of Service Utilization for People Living with HIV/AIDS attending Emergency Departments 2009-2014, Poster Presentation at the 138<sup>th</sup> American Public Health Association (APHA) Annual Meeting and Exposition Atlanta, Georgia
- Gwynn M, Olatosi BA, Ostermann J & Siddiqi KA, (2017) Trends in HIV Testing: Differences Between Planned and Actual Testing in the United States, 2006-2010, Poster Presentation at the 138<sup>th</sup> American Public Health Association (APHA) Annual Meeting and Exposition Atlanta, Georgia
- Probst JC & **Olatosi BA** Arresting HIV/AIDS in Rural America. Invited lecture at the Health Resources Services Administration (HRSA) Regions 4 & 6 HIV/AIDS SUMMIT HRSA Meeting Atlanta, June 2016
- Olatosi BA** & Gwynn, Melanie Trends in HIV Testing and Differences between Planned and Actual Testing in the United States, 2006-2010. Oral presentation at the Rural HIV Research and Training Conference, Savannah, GA, Sept 2016
- Olatosi BA**, and Long J: Legal and Ethical Issues for Data Analytic Companies in the Healthcare Industry - Who levels the field? Oral presentation at the 136<sup>th</sup> American Public Health Association (APHA) Annual Meeting and Exposition Denver, Chicago, IL, 2015
- Olatosi BA** & Lewis B. Fitness By Design – Results from a 5 year community based intervention Oral presentation at the American Public Health Association (APHA) Annual Meeting, Chicago, IL, 2015
- Olatosi BA**, Taking the Pain Out of the Patient (oops...) Healthcare Management Student Group Project! accepted for presentation at Healthcare Financial Management Association (HFMA's) ANI Academic Program, HFMA Conference, Las Vegas, NV, 2014
- Olatosi BA**, Dyer C, Nance E, and Nenichka K. "Fitness By Design: A Three Pronged Health Promotion Approach for Underserved Communities Oral presentation at the 136<sup>th</sup> American Public Health Association (APHA) Annual Meeting and Exposition Denver, Colorado, November 10<sup>th</sup>, 2010
- Bennett K, **Olatosi BA** and Brock Martin A. Racial and Ethnic Disparities in the Health of Rural Adult Populations: Key Topics and Premiere of Chartbook; Oral Presentation at the National Rural Health Association's 14<sup>th</sup> Annual Minority and Multicultural Health Conference, Albuquerque, New Mexico December 11<sup>th</sup> 2008
- Olatosi BA**, Probst J, Stoskopf C, Martin A and Duffus W. "Engagement in primary HIV-medical care: Retention in care issues in a Southern Rural State" Oral presentation at the 136<sup>th</sup> American Public Health Association (APHA) Annual Meeting and Exposition October 25<sup>th</sup>-29<sup>th</sup> 2008
- Olatosi BA**, Gibson J, Duffus W et al "Retention in HIV Medical-care and its Relationship to Demographic and Transmission Risk Factors – South Carolina, 2004" Poster presented at CDC National STD Prevention Conference, Chicago, Illinois March 10-13 2008
- Olatosi BA**, Gibson J, Duffus W et al "HIV Medical-care Status and its Relationship to Hospital Facilities Utilization – South Carolina, 2004-2005" Poster presented at CDC National STD Prevention Conference, Chicago, Illinois March 10-13 2008
- Olatosi BA**, and Erkel E. Characteristics of a Southern rural HIV/AIDS population; Poster presented at the Annual National Rural Health Association conference, Anchorage, Alaska, May 2007
- Olatosi BA**, Laditka SN, Laditka JN and Houck E "Not Quite Color Blind: Associations Between Race/Ethnicity and Attitudes About Older Persons Among College Students," Poster presented at

the Gerontological Society of America's 59<sup>th</sup> Annual Scientific Meeting November 16-20<sup>th</sup> 2006

**Olatosi BA** & Probst J "Prescription drugs in rural non-elderly Americans" – Student Research Award winner; poster presented at the National Rural Health Association meeting, Reno, Nevada, May 2006

**Olatosi BA** & Probst J "Prescription drug utilization among non-elderly Americans" - Poster presented at the American Public Health Association Philadelphia convention, December 12<sup>th</sup> 2005

**Olatosi BA**, and Erkel E (2007). Characteristics of a Southern rural HIV/AIDS population; Poster presented at the Annual South Carolina Rural Health Association conference, Columbia, SC, March 2007

**Olatosi BA**, Laditka SN, Laditka JN and Houck E "Not Quite Color Blind: Associations Between Race/Ethnicity and Attitudes About Older Persons Among College Students," Poster presented at the Annual South Carolina conference on Aging, SC, May 2007

### **AWARDS RECEIVED BY MENTORED STUDENTS/FELLOWS**

- Khairul Siddiqi, Doctoral Student SPARC Award for project titled "Trends of Age-specific Comorbidity Burden and Resource Use, and Factors Predicting Costs and Mortality of the People Living with HIV". - 2019
- Chamberline Ozigbu Doctoral Student SPARC Award for project titled "Beyond Vaccination Coverage: A Critical Look at Never-Vaccinated Children in Ethiopia". - 2019
- Khairul Siddiqi, Doctoral Student South Carolina HIV/STD Viral Hepatitis C Conference Student Scholarship award, Oct 24-25, Columbia, SC 2018
- Khairul Siddiqi, Doctoral Student, Dean's Travel Award and USC Graduate School Travel Award, Arnold School of Public Health, University of South Carolina, Oral Presentation at upcoming American Public Health Association Meeting, November 2018
- Chamberline Ozigbu, Doctoral student, Dean's Travel Award and USC Graduate School Travel Award, Arnold School of Public Health, University of South Carolina, poster presentation at the International Society for Pharmacoeconomics and Outcomes Research ISPOR meeting, May 2018
- Siddiqi Khairul, Doctoral student, Dean's Travel Award, Arnold School of Public Health, University of South Carolina, Oral presentation at the 138<sup>th</sup> American Public Health Association meeting, Atlanta, Georgia, November 2017

### **MASTERS RESIDENCY PROJECTS SUPERVISED (FACULTY ADVISOR)**

1. Kara Keiper, "Centralized Standardization of Pediatric Referral Management Processes"-2021
2. Spencer Eason-Riddle, "Providing home telehealth to Veterans with COVID-19 from the Emergency Department: A Process Improvement Project at the VA"-2021
3. Leslie Watson "A Comprehensive Analysis of the Value Provided to Independent Private Practices Enrolled in Prisma Health's Accountable Care Organization ("Network") Through the Lens of a Humana Medicare Advantage Contract"-2021
4. Grantham Alston "Lowering C. Diff Rates in CLC and Acute Care Environment at Columbia VA Healthcare System" -2021
5. Anthony DeFranco, "Dialysis Patient Flow Optimization Prisma Health" – 2020
6. Melissa Garber, "Corporate Health and Wellness Process Standardization: Analyses and



- Recommendations” – 2020
7. Connor Green, “Electronic Conversion of Beneficiary Travel Records: A process improvement project at the VA” – 2020
  8. Martin Brandon, “Qlik Sense Development and Integration: Providing Financial Data to Medical Group Administrators” – 2020
  9. Adam Moore, “Analysis and recommendation of Internal Value based care turned inward” – 2020
  10. Kenchina Allen, “Alliance for a Healthier South Carolina: Building South Carolina’s Health Equity Action Plan” – 2019
  11. William Battiste, “Asset Optimization: Reducing Flexible and Rigid Scope Damage” – 2019
  12. David Zachary, “Critical Incident Analysis: Developing a Critical Incident Protocol for County Alcohol and Drug Abuse Authorities” - 2019
  13. William Donahue, “Standardizing a Notification Process for Gaps in Care”. – 2019
  14. Jacob Evans, “Rural Health Clinic Infrastructure Development & Implementation”. – 2019
  15. Jordan Fash, “Establishing a PACE Program in Charleston, SC – A Feasibility Study”. – 2019
  16. Britton Herbert, “South Carolina Trauma System: Analysis & Alignment of Current Structure to Meet Trauma Needs”. – 2019
  17. Hayley Pemberton, “Patient Centered Medical Home application and Virtual Audit”. – 2019
  18. Morgan Potts, “Establishing a Zero Tolerance Culture Towards Violence in The Healthcare Setting”. – 2019
  19. Jonathan Bell, “School-Based Telehealth: Educational and Clinical Onboarding Plan and Program Model” – Spring 2018
  20. Manel Boufaied, “ Interpreters/Coordinators Resource Management Cleveland Clinic” – Spring 2018
  21. Martha Bruce, “Capacity Management: Service Request Tool for Space Request and Change of Use” - Spring 2018
  22. Mehrab Khandkar, “Creating a Medicare Survey Readiness Tool for Ambulatory Surgery Centers” – Spring 2018
  23. Scott Fowler, “Project Management: Initiation to implementation of a vendor contract for the DHHS Eligibility and Enrollment Member Management System: A subset of the Medicaid Management Replacement Project (MMRP)” – Spring 2017
  24. Lance Johnson, “Implementing Changes to the Layout of the Team D Area of the Emergency Department at University Hospital to Improve Patient Flow and Workflow Processes” – Spring 2017
  25. Megan Le, “Telehealth Program Improvement: Revision and Implementation Planning for Palmetto Health’s Children’s Health Education and Clinical Program” – Spring 2017
  26. David Lucas, “Pilot Study of the Effectiveness of VGo Telehealth at a VA Facility” – Spring 2017
  27. Chaw Nande, “Emergency Department Patient Flow Process Improvement Initiative: Door to Doc Time” – Spring 2017
  28. Hunter Nichols, “Integration of PharmD services into a patient delivery model” – Spring 2017
  29. Sarah Sentmore, “Development of a dashboard in order to track AMI bundled payment cases with the aim to identify ways to decrease costs and improve quality of care for patients at Palmetto Health” – Spring 2017
  30. Anna Matson, “ Identifying Barriers to Treatment, Engagement and Retention for Adolescent Populations Admitted to South Carolina’s Public Substance Use Disorder System” – Spring 2017
  31. Maya Martin, “Improving Patient Experience in Outpatient Physical Therapy Setting” – Spring 2017
  32. Katie Babcock, “Strategic Planning and Implementation for SC Hospital Association” – Spring

2016

33. Erin Mitchell, “ Palliative Care Project” – Spring 2016
34. Ward McGroarty, “ Inpatient Unit Consolidation and Servicing: Recommendations for overflow staffing and scheduling” – Spring 2016
35. Evon Chandler, “ Strategic Consolidation of Surgical Volumes to Maximize Quality and Utility within a Multi-Campus Healthcare Organization” – Summer 2016

### **PROFESSIONAL DEVELOPMENT**

- Certificate: Deep Learning using SAS Software – July, 2019
- Certificate: Machine Learning using SAS – July, 2019
- Certificate: SAS Visual Data Mining and Machine Learning in SAS Viya: Interactive Machine Learning – July 2019
- Certificate: SAS Fundamentals: Programming, SQL and Macro Language – Session 2, 2017
- Certificate: Introduction to SAS and Hadoop – Session 2, 2017
- Certificate of Completion for SAS Training on Text Analytics using SAS Text Miner, 2014
- Certificate of Completion for SAS Training on SAS Visual Analytics for Professors, 2014
- Certificate of Completion for SAS Training on Applied Mixed Models for Professors, 2013
- Certificate of Completion for SAS Training The GLIMMIX Procedure for Professors, 2013
- Certificate of Completion for SAS Training on Advanced Business Analytics, 2012
- Certificate of Completion for SAS Training on Data Manipulation and Analytics using SAS, Enterprise Guide, 2011
- Certificate of Completion for SAS Training on Applied Analytics using SAS, 2011
- Certificate of Completion for SAS Training on Multivariate Data Analysis using SAS, Enterprise Miner, 2010
- University of South Carolina, Graduate Student as an Instructor Certification, 2006
- Certificate of Achievement in Prevention, Planning and Implementation of Interventions, Centers for Disease Control and Prevention (CDC) and Institute for HIV, 2005
- Office of HIV/AIDS Policy (OHAP) and Health Resources and Services Administration (HRSA) Certified HIV/AIDS Rapid Assessment Research and Evaluation (RARE) Field Investigator, 2004
- Certified HIV/AIDS Telephone Hotline Counselor and Master Trainer, Johns Hopkins University School of Hygiene and Public Health, 2001

### **SERVICE**

#### ***National***

- NIH Special Emphasis Panel (SEP) reviewer, NIMHD Section 2020
- NIH CDMA Section reviewer 2023 – Till Present

#### ***Department level***

- Program Director, MHA Program, Fall 2015 to 2021

- Member, HSPM Faculty Search Committee for Tenure Track Faculty (Assistant/Associate Professor) - 2018-19
- Member, HSPM Faculty Search Committee for Tenure Track Faculty (Assistant/Associate Professor) - 2015-16
- Member, HSPM Faculty Search Committee for Tenure Track Faculty (Assistant/Associate Professor) - 2016-17
- Progress report for lifting of criteria from accreditation visit by Commission on Accreditation of Healthcare Management Education (CAHME) 2016
- Progress report resulting in lifting of all criteria from accreditation visit (CAHME) 2017
- Member, MHA Advisory Board, 2016 to present
- Member MHA Curriculum Review Committee, 2015 to present

***School Level***

- Member, Graduate Programs Committee
- Dean's Representative Community Health Foundation Board, 2016 to 2020

***University Level***

- Member, Health Professions Retreat for USC 2021-2022
- Member, Review Committee for SPARC research for USC 2021
- Member, Review Committee for SPARC research for USC 2020
- Member, Review Committee for SPARC research for USC 2022
- Member, Review Committee for SPARC research for USC 2023
- Member, Review Committee for EPSCoR Track-2 Collaboration research for USC 2019
- Member, Review Committee for EPSCoR research for USC 2023
- Member, Review Committee for Dean Chandler, 2018-2019
- Member Carolina Judicial Council, 2016 till present
- Lunch Ambassador and Mentor, New faculty orientation, 2016
- Lunch Ambassador and Mentor, New faculty orientation, 2017
- Chair, MHA\_MBA Executive Taskforce 2017

***Professional Level***

- Accreditation Council Member, CAHME 2016 to 2022
- Vice Chair Accreditation Council, CAHME 2018 to Summer 2020
- Chair Accreditation Council, CAHME Summer 2020 - 2022
- National Board Member, CAHME 2018 – till present
- International AIDS Society Abstract reviewer 2019 till present
- Journal reviewer for Medical Internet Research, 2021 – till present
- Journal reviewer for Medical Care, 2017 - till present
- Journal reviewer Annals of Epidemiology 2018 - till present
- Journal reviewer AIDS and Behavior 2018 – till present
- Journal reviewer for Journal of Rural Health 2018 – till present
- Journal reviewer for Nature 2020 – till present
- Journal reviewer and supplement editor for AIDS 2020
- Journal reviewer and supplement editor for AIDS Care 2020
- Journal reviewer for PLOS One 2020
- Journal reviewer for Journal of Public Health 2020

### **CONSULTING/REVIEW ACTIVITIES**

- Research Consultant for the Centre for integrated health Programs (Nigeria) CIHP World PEARL CDC project, 2018 – till present
- Research Consultant for the Centre for integrated health Programs (Nigeria) CIHP World Health Organization and Canadian International Development Agency (CIDA) WHO research grant, 2012 - 2013
- Consultant on NIH export grant with the Institutes for Health Disparities, University of South Carolina, 2010 - 2011
- APHA HIV/AIDS Section Abstract Reviewer, 2011-2012
- AIDS International conference abstract reviewer 2009 – 2020
- Research consulting with the South Carolina Rural Health Research Center, University of South Carolina, 2008-2009

### **AWARDS/FELLOWSHIPS/VOLUNTEER SERVICE**

- Breakthrough Award, University of South Carolina, 2021
- Best Abstract HIV Section APHA Annual Meeting 2019
- Fellow, American College of Healthcare Executives (FACHE) 2016
- Outstanding Volunteer of the Year, ACHE Triangle Healthcare Executives Forum, 2014
- Extraordinary Employee Award, University of Mount Olive, Fall 2014
- Instructor for ACHE Board of Governors exam finance refresher session, Triangle Healthcare Executives Forum webinar, Summer 2014
- SAS Global Forum 2014 Faculty Scholarship recipient
- CAHME Fellow – “The CAHME Accreditation Fellowship Program is designed for individuals with the potential to make significant contributions to health services administration education”, 2012 – 2015
- University of South Carolina Graduate School Dera D. Parkinson Trustee Fellowship, awarded to a continuing graduate student with an outstanding academic record and future potential, 2007
- South Carolina Rural Interdisciplinary Program of Training (SCRIPT) Fellowship – Rural Health Research fellowship in a rural community health center, 2006
- Winner, National Rural Health Association LaVonne Straub Memorial Student Research Paper Award, 2006
- University of Minnesota, School of Public Health, Health Equity Scholars Award, 2003
- Lucille Packard /Pathfinder travel award for selected future Reproductive Health leaders, - Reproductive Health travel grant award to South Africa, 2003

### **PROFESSIONAL MEMBERSHIPS**

- American Public Health Association, 2011 till present
- American College of Healthcare Executives (ACHE) SC chapter board member – 2015 till present
- American College of Healthcare Executives (ACHE) Triangle Healthcare Executives Forum (THEF) – Former Board Member, Co-Chair Fellow Advancement 2010-2015

- Delta Omega (Honorary Society in Public Health)
- Delta Mu Delta (International Honor Society for Business Administration)
- Association of University Programs in Health Administration (AUPHA)
- Fellow, Commission on Accreditation of Healthcare Management Education (CAHME)
- Commissioner, Commission on Accreditation of Healthcare Management Education (CAHME)
- Board Member, Commission on Accreditation of Healthcare Management Education (CAHME)

### **COMMUNITY INVOLVEMENT**

- The Learning Collaborative Middle School Parents Advisory Council (PAC), 2021 – 2022
- Advisory Board Member C.A Johnson High School, Columbia, SC (2016 –2019)
- Volunteer Alzheimer’s Walk, NC (2013 – 2015)
- University of South Carolina Academic Responsibility and Grievance committee (2007)
- American Public Health Association (APHA) HIV/AIDS section, national student representative (2005-2006)
- Minnesota Community Cooperative Council on HIV/AIDS Prevention (CCCHAP), formerly known as the Commissioner’s Task Force on HIV/STD Prevention Planning, active member, (2004)
- Rural AIDS Action Network, RAAN, Minnesota, volunteer, (2003-2004)