

CURRICULUM VITAE

PERSONAL DETAILS:

Full name: Onoja Matthew AKPA, Ph.D.

Nationality: Nigerian

Marital status: Married

Postal Address: Division of Epidemiology, Biostatistics and
Environmental Health, School of Public Health,
University of Memphis, Tennessee, USA

Telephone: +1 (901) 678 1716

Email: omakpa@memphis.edu

DEGREES AND QUALIFICATIONS:

- **Certificate in Population Health, 2020**
Doane University, USA
- **Postdoctoral fellowship experience, 2017**
CVD Working group, H3Africa Consortium
- **Certificate in Statistical Genetics, 2016**
University of Alabama at Birmingham, USA
- **Ph. D. Statistics, 2009**
University of Ilorin, Ilorin, Nigeria
- **Certificate in Biomedical Modeling, 2008**
International Biomedical Modeling School, National Centre for Biological Sciences (N.C.B.S.), TATA Institute of fundamental Research (TIFR), Bangalore, India
- **Certificate in Modeling of HIV and TB, 2006**
South African Centre for Epidemiological Modeling and Analysis (SACEMA). Stellenbosch University, South Africa
- **Master of Science in Statistics - with Distinction, 2004**
University of Ilorin, Ilorin, Nigeria
- **Diploma in Data Processing and Management Information system, 2002**
TOSAM Computer Institute, Gombe, Nigeria
- **Bachelor of Science in Statistics (Second class honours-Upper division), 2001**
University of Ilorin, Ilorin, Nigeria

EMPLOYMENT EXPERIENCES:

Associate Professor of Biostatistics (Teaching), 2023

Division of Epidemiology, Biostatistics and Environmental Health, School of Public Health, University of Memphis, USA

Professor of Biostatistics, 2020

Faculty of Public Health, College of Medicine, University of Ibadan, Ibadan, Nigeria

Associate Professor of Biostatistics (Joint position), 2020

Institute of Cardiovascular Diseases, College of Medicine, University of Ibadan, Ibadan, Nigeria

Associate Professor of Biostatistics, 2017

Faculty of Public Health, College of Medicine, University of Ibadan, Ibadan, Nigeria

Postdoc (Biostatistician), 2016

CVD Working group, H3Africa

Senior Lecturer in Biostatistics, 2014

Faculty of Public Health, College of Medicine, University of Ibadan, Ibadan, Nigeria

Visiting Scholar (Biostatistician), 2014

Center for Global Health, Northwestern University, Chicago, USA

Biostatistician, 2013

THRIVES and SIREN studies, University College Hospital, University of Ibadan, Nigeria

Lecturer in Biostatistics, 2011

Faculty of Public Health, College of Medicine, University of Ibadan, Ibadan, Nigeria

Lecturer in Statistics, 2008

Redeemer's University, Redemption City/Camp, Nigeria

Assistant Lecturer in Statistics, 2005

Redeemer's University, Redemption City/Camp, Nigeria

Research and Statistical Analyst, 2002

The Ambassadors Research & Statistical Consultancy Center, Ilorin, Nigeria

Lecturer in Statistics, 2001

Imo State University, Sango-Ota Outreach Center, Sango-Ota, Nigeria

LIST OF ACADEMIC RESEARCH OUTPUTS:

JOURNAL PUBLICATIONS:

1. Akpa, O.M., Oyejola, B.A. (2006): Statistical Modeling of HIV/AIDS epidemics; Nigeria's most needful statistical support for meeting the MDGs in HIV/AIDS intervention initiatives. Nigerian statistical association: 2006 Conference proceedings Pg (143-149).
2. Akpa, O.M., Ayelola, B.A. (2007): Modeling HIV/AIDS Epidemics in West Africa: Results for UNAIDS Modeling approach from Some Selected Countries. Research Journal of Applied Sciences Vol. 2 No. 11, 1148-1155.
3. Okewole, D.M., Akpa, O.M. (2007): The Place of Statistics in Research and National Development. International Journal of Development Studies Vol. 2 No. 2, 26-30
4. Akpa, O.M., Oyejola, B.A. (2008): Statistical modeling of HIV/AIDS in North Central Zone of Nigeria. Internet Journal of Infectious Diseases Vol. 6 No. 2, Paper 2
5. Akpa, O.M., Oyejola, B.A. (2008): Empirical power comparison of three correlation coefficients. Journal of Modern Mathematics and Statistics Vol. 2 No. 2, 59-64.

6. Arogundade, O.T., **Akpa, O.M. (2009)**: Psychological variables as correlates of University Maladjustment behaviour. *Ife Psychologia* Vol. 17 No. 2, 239-249.
7. **Akpa, O.M.**, Oyejola, B.A. (2009): Analysis and Projections of the emergence, Impact and the Epidemiology of HIV/AIDS in Nigeria. *Nigerian statistical association: 2009 Conference proceedings* Pg (7-15).
8. **Akpa O.M.**, Oyejola, B.A. (2010): Modeling the Epidemiology and the Transmission Dynamics of HIV/AIDS epidemic: an introduction and a review. *Journal of Infection in Developing Countries* Vol. 4 No. 10, 597-608.
9. Atilola, G. O., **Akpa, O.M.**, Komolafe, I.O.O. (2010): HIV/AIDS and the Long-Distance Truck Drivers in South-West Nigeria: a cross-sectional survey on the knowledge, attitude, risk behaviours and beliefs of truckers. *Journal of infection and Public Health* Vol. 3 No. 4, 166-178.
10. **Akpa, O.M.**, Oyejola, B.A. (2010): Mathematical Modeling of the Epidemiology and the Transmission Dynamics of HIV/AIDS Infections in Nigeria. *African Journal of Medicine and Medical Sciences*. Vol. 39 (Supplement), 73-80.
11. **Akpa, O.M.**, Unuabonah, E.I. (2011): Small-Sample Corrected Akaike Information Criterion: An Appropriate Statistical tool for ranking of adsorption isotherm models. *Desalination* Vol. 272 No. 1-3, 20-26.
12. **Akpa, O.M.**, Adeolu-Olaiya, V., Olusegun-Odebiri, A.C., Aganaba, D. (2011): HIV/AIDS-related stigma and access to HIV treatments by people living with HIV/AIDS: A case study of selected states in North-West Nigeria. *HIV & AIDS Review- International Journal of HIV-Related Problems* Vol. 10 No. 1, 19-25.
13. **Akpa, O.M.**, Oyejola, B.A. (2011): Modeling the Epidemiology and the Transmission Dynamics of HIV/AIDS in a heterosexual population: Analysis of Local Stability of Basic Models. *JP Journal of Biostatistics* Vol. 5 No. 1, 49 -71.
14. Muhammed, O.T., **Akpa, O.M.**, Atilola, G.O., Komolafe, I.O.O. (2012): Seroprevalence of HIV/AIDS and HIV risk factors among prison inmates in Ogun State, Nigeria. *HIV & AIDS Review- International Journal of HIV-Related Problems* Vol. 11 No. 1, 25-30.
15. Dipeolu, A.A., **Akpa, O.M. (2012)**: Exploring Factors Associated With Environmental Menaces in a Typical Nigerian City: Challenges to Sustainable Development. *Journal of Environmental Management and Safety* Vol.3 No. 6, 40 – 55.
16. **Akpa, O.M.**, Ikpotokin, O. (2012): Modeling the Determinants of Fertility among Women of Childbearing Age in Nigeria: Analysis Using Generalized Linear Modeling Approach. *International Journal of Humanities and Social Science* Vol. 2 No. 18, 167-176.
17. Oladapo, T.O., **Akpa, O.M.**, Okunlola, J.O., Okoror, T.A. (2013): Management of conflicts arising from disclosure of HIV status among married women in southwest Nigeria. *Health care for Women International*, DOI: 10.1080/07399332.2013.794461.
18. Ajayi, I.O., Soyannwo, T., **Akpa, O.M. (2013)**: Awareness and utilization of affordable medicine facility Malaria among caregivers of under five children in Ibadan Northwest local government area, Oyo state. *Malaria research and Treatments*, Vol. 2013 (2013), <http://dx.doi.org/10.1155/2013/176096>.

19. Oladimeji, O., Obasanya, J.O., Daniel, O.J., Gidado, M., Akolo C, Oladimeji, K.E., Kotila, O., Ajayi, T., Adeyinka, A.D., Osman, E., Odusote, T., Awe, A., Lawal, O., Omoniyi, A., Dairo, D.M., Adedokun, B.O., Adeoye, I.A., Igbodekwe, F.C., Hassan, A., **Matthew A. Onoja. (2013):** Factors associated with treatment success among pulmonary tuberculosis and HIV co-infected patients in Oyo state, south western- Nigeria. *The Nigerian Health Journal* Vol.13 No.2, 75-81.
20. Motayo, B.O., **Akpa, O.M.**, Ezeani, I., Faneye, A.O., Udo, U.A, Onoja, B. **(2014):** Seroprevalence Rates of Hepatitis C Virus (Hcv) Antibody And Hepatitis B Virus Surface Antigen (Hbsag) in Blood Donors in a Southwestern Nigerian City. *Journal of Immunoassay and Immunochemistry*_Vol.36 No.1, 91-99.
21. Okorie, P.N., Marshall, J.M. **Akpa, O.M.**, Ademowo, O.G. **(2014):** Perceptions and recommendations by scientists for a potential release of genetically modified mosquitoes in Nigeria. *Malaria Journal* 2014, 13:154 doi: 10.1186/1475-2875-13-154
22. Igbodekwe, F.C., Oladimeji, O., Oladimeji, K.E., Adeoye, I.A., **Akpa, O.M.**, Lawson, L. **(2014):** Utilisation of Modern Contraceptive among Women of Childbearing Age in Resource Constraint Setting: Evidence from 2008 National Demographic and Health Survey in Nigeria. *Journal of Health Science* Vol.4 No.3, 72-78
23. Owolabi, M.O., Agunloye, A.M., Umeh, E.O. and **Akpa, O.M. (2014):** Can common carotid intima media thickness serve as an indicator of both cardiovascular phenotype and risk among black Africans? *European Journal of Preventive Cardiology*, DOI: 10.1177/2047487314547656
24. Adeolu, O.M., Akinyemi, J.O., **Akpa, O.M.**, Issa, K. and Bamgboye, E.A. **(2014).** Wealth Status and Sexual Partnership Pattern among Nigerian Men. *Journal of Medicine and Medical Sciences*. Vol.5 No.9, 208-217
25. Sridhar M.K.C., **Akpa O. M.**, Titiloye M. A., Hammed T. B. and Adejumo M. (2014). Post-Intervention Knowledge, Attitude and Practices and Impact Assessment of the SHAWN Project on Water and Sanitation (WASH) Related Diseases in Benue, Bauchi, Jigawa and Katsina States, Nigeria. A Collaborative research finding between Department of Environmental Health Sciences, College of Medicine, University of Ibadan, Nigeria, DFID and UNICEF Nigeria, July, pp. 1-60. (Funded by UNICEF).
26. Ojagbemi, A., **Akpa, O.**, Esan, O., Emsley, R., Gureje, O. **(2015).** The confirmatory factor structure of neurological soft signs in Nigerians with first episode schizophrenia. *Neuroscience Letters*, Vol.589, 110-114
27. Aladeniyi, O.I., Dairo, M.D., **Akpa, O.M.** and Ajayi, O.I. **(2015).** Effect of education on knowledge of acute flaccid paralysis reporting among private medical doctors in Ondo state, Nigeria. *Journal of Medicine and Medical Sciences* Vol.6 No.1, 1-8.
28. Afolabi, R.F., Osanaiye, P.A. and **Akpa, O.M. (2015).** Non-parametric change-point approach for monitoring shifts in process location and variability. *International Journal of Quality Engineering and Technology*, Vol.5 No.1, 40-56. DOI: 10.1504/IJQET.2015.069234
29. **Akpa, O.M.**, Bamgboye, E.A. and Baiyewu, O. **(2015).** The Adolescents' Psychosocial Functioning Inventory (APFI): scale development and initial validation using Exploratory and Confirmatory Factor Analysis. *African Journal for the psychological study of social issues*, Vol.18, No.1: 1-21

30. Akpalu, A. Sarfo, F.S., Ovbiagele, B., Akinyemi, R., Gebregziabher, M., Obiako, R., Owolabi, L., Sago, K., Jenkins, C., Arulogun, A., Adamu, S., Appiah, L.T., Adadey, M.A., Agyekum, F., Quansah, J.A., Mensah, Y.B., Adeoye, A.M., Singh, J., Aridegbe, O.T., Ohifemen, O., Sani, A.A., Tabi-Ajayi, E., Ibinaiye, O.P., Isah, S.Y., Tabari, N.A., Mande, A., Agunloye, A.M., Ogbole, G.I., Akinyemi, J.O., **Akpa, O.M.**, Laryea, R., Melikam, S.E., et al. on behalf of SIREN as part of the H3Africa Consortium. (2015). Phenotyping Stroke in Sub-Saharan Africa: Stroke Investigative Research and Education Network (SIREN) Phenomics Protocol. *Methods in Neuroepidemiology*, Vol.45, 73–82. DOI: 10.1159/000437372
31. Okekunle, A.P., **Akpa, O.M.**, & Akinyele, I.O. (2015). Sociodemographic Factors Related to Quality of Life Among Premenopausal Women in Ibadan, Nigeria. *Women & Health*, In Press. DOI:10.1080/03630242.2015.1039179
32. Owolabi, M.O. **Akpa, O.M.**, Agunloye, A.M. (2015). Carotid IMT is more associated with stroke than risk calculators. *Acta Neurologica Scandinavica*, Vol. 133, No.6, 442-50
33. Adejumo, O., Oladeji, B., **Akpa, O.**, Malee, K., Baiyewu, O., Ogunniyi, A., Evans, S., Berzins, B., & Taiwo, B. (2015). Psychiatric disorders and adherence to antiretroviral therapy among a population of HIV-infected adults in Nigeria. *International Journal of STD & AIDS*, DOI: 10.1177/0956462415600582
34. **Akpa, O.M.** and Bamgboye, E.A. (2015). Correlates of the quality of life of adolescents in families affected by HIV/AIDS in Benue state, Nigeria. *Vulnerable Children and Youth Studies*, Vol.10 No.3, 225-242
35. Ajayi, I.O., Sowemimo, I.O., **Akpa, O.M.**, Ossai, N.E. (2015). Prevalence of hypertension and associated factors among residents of Ibadan-North Local Government Area of Nigeria. *Nigerian Journal of Cardiology*. DOI: 10.4103/0189-7969.165168
36. Akpan, M.R., Kotila, O.A., **Akpa, O.M.**, Ayede, A.I, Fawole, O., Olopade, O.I, Falusi, A.G, Babalola, C.P. (2015). Self-reported Sulphonamide hypersensitivity reactions in adults living in Ibadan, Nigeria - a cross-sectional, community-based study. *Nigerian medical journal*, Vol.56 No.6, 404-410
37. Sarfo, F., Gebregziabher, M., Ovbiagele, B., Akinyemi, R., Owolabi, L., Obiako, R., **Akpa, O.**, Armstrong, R., Akpalu, A., Adamu, S., Obese, V., Boa-Antwi, N., Appiah, L., Arulogun, O., Mensah, Y., Adeoye, A., Aridegbe, T., Adeleye, O., Tabi-Ajayi, E., Ibinaiye, P., Sani, A., Isah, S., Tabari, N., Mande, A., Agunloye, A., Ogbole, O., Akinyemi, J., Laryea, R., Melikam, S., Uvere, E., Adekunle, G., Kehinde, S., Azuh, P., Dambatta, A., Ishaq, N., Saulson, R., Arnett, D., Tiwari, H., Jenkins, C., Lackland, D. Owolabi, O. on behalf of the Stroke Investigative Research Educational Networks. (2015). Multilingual Validation of the Questionnaire for Verifying Stroke-Free Status in West Africa. *Stroke*, Vol.47, 00-00. DOI: 10.1161/STROKEAHA.115.010374.
38. Sridhar M.K.C., **Akpa O. M.**, Titiloye M. A., Hammed T. B. and Adejumo M. (2015). Pre-Intervention Knowledge, Attitude and Practices on Sanitation Hygiene and Water (SHAWN) Project in Benue, Bauchi, Jigawa, Katsina, Kaduna and Zamfara States, Nigeria Final Report submitted to UNICEF Nigeria, pp.1-194. (Funded by UNICEF).
39. Obadire, M.O., Ana, G.R.E.E., **Akpa, O.M.** (2015). Noise level from selected religious centers and perceived non-auditory health effects experienced by residents in Owo town, Ondo state, Nigeria. *African Journal of Environmental Health Sciences*, Vol.2, 111-116

40. Sarfo, F.S., Gebregziabher, M., Ovbiagele, B., Akinyemi, R., Owolabi, L., Obiako, R., Armstrong, K., Arulogun, O., Akpalu, A., Melikam, S., Saulson, R., Jenkins, C., Owolabi, M.; SIREN Team (...**Akpa, O.M.**) (2016). Validation of the 8-item questionnaire for verifying stroke free status with and without pictograms in three West African languages. *eNeurologicalSci*, Vol. 3, 75-79.
41. Ojerinde, O.E., Onibokun, A. **Akpa, O.M.** (2016). Knowledge and practice of pain management among nurses in labour wards in Ibadan, Nigeria. *African Journal of Midwifery and Women's Health*, Vol 10, No 3, 3-8
42. **Akpa, O.M.**, Afolabi, R.F., Fowobaje, K. R. (2016). Psychometric properties and Confirmatory structure of the Strengths and difficulties questionnaire in a sample of adolescents in Nigeria. *International Journal of Statistics and Applications*, Vol. 6, No. 3, 145-155
43. Adeolu, M.O., **Akpa, O.M.**, Adeolu. A.T., Aladeniyi, I.O. (2016). Environmental and Socioeconomic Determinants of Child Mortality: Evidence from the 2013 Nigerian Demographic Health Survey. *American Journal of Public Health Research*, Vol. 4, No. 4, 134-141
44. Idowu, O. P., Yusuf, O.B., **Akpa, O.M.**, Gureje, O. (2016). A Random Effect Logistic Regression Model of Major Depressive Disorder among Ageing Nigerians. *American Journal of Mathematics and Statistics*, Vol. 6, No. 2, 71-78
45. Akinpelu, K.P., Yusuf, O.B., **Akpa, O.M.**, Gbolahan, A.O. (2016). Zero Inflated Regression Models with Application to Malaria Surveillance Data. *International Journal of Statistics and Applications*, Vol. 6, No. 4, 223-234
46. Fasunla AJ, Ijitola JO, **Akpa OM**, Nwaorgu OGB, Taiwo B, Olaleye DO, Murphy RL, Adewole IF, Akinyinka OO (2016). Is there any relationship between hearing threshold levels and CD4 cell count of human immunodeficiency virus infected adults? *African Journal of Medicine and Medical Sciences*. Vol. 45: 51-60
47. Mayowa Owolabi, Kehinde Salaam,,Adesola Ogunniyi, Godwin Ogbole, Rufus Akinyemi1, Pattanasak Mongkolwat, Adeleye Omisore, Atinuke Agunloye, Akintomiwa Makanjuola, Richard Efidi, Joeph Odo, Albert Akpalu, Fred Sarfo, Lukman Owolabi, Reginald Obiako, Kolawole Wahab, Philip Adebayo, Adeyoyin Komolafe, Godwin Osaigbovo, Taofiki Sunmonu, Paul Olowoyo, Innocent Chukwuonye, Yahaya Obiabo, Phillip Ibinaiye, Abdul Dambatta, Yaw Mensah, Salaam Abdul, Eunice Olabinri, Joyce Ikubor, Olalekan Oyinloye, Femi Odunlami, **Onoja Akpa**, Sylvia Melikam, Raelle Saulson, Bruce Ovbiagele for the SIREN Team (2016). AIM on Clear Canvas Enriched Stroke phenotyping Software (ACCESS). *Nigeria Patent No.:* NG/PT/NC/2016/2007
48. **Akpa, O.M.** (2016). ARFH-LOPIN OVC Household Engagement Baseline Qualitative study, Lagos State, Nigeria. A Technical Report Submitted to the Association for Reproductive and Family Health 31pp. (Nigeria)
49. Abiodun M. Adeoye, Bruce Ovbiageley, Philip Koloz, Lambert Appiahx, Akinyemi Ajek, Oladimeji Adebayok, Fred Sarfox, Joshua Akinyemi, Gregory Adekunle, Francis Agyekum, Vincent Shidali, Okechukwu Ogahk, Dan Lacklandy, Mulugeta Gebregziabher, Donna Arnett, Hemant K. Tiwari, Rufus Akinyemi, Ojo Olakanmi Olagokek, Ayodipupo Sikiru Oguntadek, Taiwo Olunugazz, Kelechi Uwanruochi, Carolyn Jenkinsy, Patrick Adadey, Henry Iheonye, Lukman Owolabi, Reginald Obiako, Samuel Akinjopo, Kevin Armstrong, Albert Akpalu,

- Adekunle Fakunle, Raelle Saulson, Mayowa Aridegbe, Paul Olowoyo, Godwin Osaigbovo, Josephine Akpalu, Bimbo Fawale, Philip Adebayo, Oyedunni Arulogun, Philip Ibinaiye, Atinuke Agunloye, Naser Ishaqkk, Kolawole Wahab, **Onoja Akpa**, Omisore Adeleye, Andrew Bock-Oruma, Godwin Ogbale, Sylvia Melikam, Joseph Yaria, Luqman Ogunjimi, Abdul Salaam, Taofiki Sunmonuk, Akintomiwa Makanjuola, Temitope Farombi, Ruth Laryea, Ezinne Uvere, Salaam Kehinde, Innocent Chukwuonye, Paschal Azuh, Morenikeji Komolafe, Adeseye Akintunde, Olugbo Obiabo, Olusegun Areo, Issa Kehinde, Adeniyi G. Amusa, Mayowa Owolabi, on behalf of SIREN Team as part of H3Africa Consortium Ibadan, Nigeria. (2017). Exploring Overlaps between the Genomic and Environmental Determinants of LVH and Stroke: A Multicenter Study in West Africa. *Global Heart*, Vol. 12. No. 2: 107-113
50. Elizabeth E. Olanloye¹, Ikeoluwapo O. Ajayi and **Onoja M. Akpa**. (2017). Practice and Efficiency of Breast Self-Examination Among Female Health Workers In A Premier Tertiary Hospital In Nigeria. *Journal of American Science*,13(2): 121-131
 51. Owolabi, M., Olowoyo, P., Popoola, F., Lackland, D., Jenkins, C., Arulogun, O., Akinyemi, R., Akinyemi, O., **Akpa, O.**, Olaniyan, O., Uvere, E., Kehinde, I., Selassie, A., Gebregziabher, M., Tagge, R., & Ovbiagele, B. (2018). The epidemiology of stroke in Africa: A systematic review of existing methods and new approaches. *Journal of clinical hypertension (Greenwich, Conn.)*, 20(1), 47–55. <https://doi.org/10.1111/jch.13152>
 52. Abiodun M. Adeoye, Okechukwu S. Ogah, Bruce Ovbiagele, Rufus Akinyemi, Vincent Shidali, Francis Agyekum, Akinyemi Aje, Oladimeji Adebayo, Joshua O. Akinyemi, Philip Kolo, Lambert Tetteh Appiah, Henry Iheonye, Uwanuruochi Kelechukwu, Amusa Ganiyu, Taiwo O. Olunuga, **Onoja Akpa**, Ojo Olakanmi Olagoke, Fred Stephen Sarfo, Kolawole Wahab, Samuel Olowookere, Adekunle Fakunle, Albert Akpalu, Philip B. Adebayo, Kwadwo Nkromah, Joseph Yaria, Philip Ibinaiye, Godwin Ogbale, Aridegbe Olumayowa, Sulaiman Lakoh, Benedict Calys-Tagoe, Paul Olowoyo, Chukwuonye Innocent, Hemant K. Tiwari, Donna Arnett, Osaigbovo Godwin, Bisi Ayotunde, Josephine Akpalu, Okeke Obiora, Odo Joseph, Adeleye Omisore, Carolyn Jenkins, Daniel Lackland, Lukman Owolabi, Suleiman Isah, Abdu H. Dambatta, Morenikeji Komolafe, Andrew Bock-Oruma, Ezinne Sylvia Melikam, Lucius Chidiebere Imoh, Taofiki Sunmonu, Mulugeta Gebregziabher, Oluyemisi Olabisi, Kevin Armstrong, Ugochukwu U. Onyeonoro, Emmanuel Sanya, Atinuke M. Agunloye, Luqman Ogunjimi, Oyedunni Arulogun, Temitope H. Farombi, Olugbo Obiabo, Reginald Obiako, Mayowa Owolabi, on behalf of the SIREN Team as part of the H3Africa Consortium. (2017). Prevalence and Prognostic Features of ECG Abnormalities in Acute Stroke: Findings From the SIREN Study Among Africans. *Global Heart*, Vol. 12. No. 2:99-105
 53. Kolawole Wasiu Wahab, Mayowa Owolabi, Rufus Akinyemi, Carolyn Jenkins, Oyedunni Arulogun, **Onoja Akpa**, Mulugeta Gebregziabher, Ezinne Uvere, Raelle Saulson, Bruce Ovbiagele. (2017). Short-term pilot feasibility study of a nurse-led intervention to improve blood pressure control after stroke in Nigeria. *Journal of the Neurological Sciences*, 377 (2017) 116–120
 54. A. Ojagbemi, M. Owolabi, R. Akinyemi, O. Arulogun, J. Akinyemi, **O. Akpa**, F. S. Sarfo, E. Uvere, R. Saulson, S. Hurst, B. Ovbiagele. (2017). Prevalence and predictors of anxiety in an African sample of recent stroke survivors. *Acta Neurologica Scandinavica*. DOI: 10.1111/ane.12766
 55. Elijah A. Bamgboye, Temitayo Odusote, Iyabode Olusanmi, Joanna Nwosu, Tessie Phillips-Ononye, **Onoja M. Akpa**, Oyindamola B. Yusuf, Ayo S. Adebawale, Olamide Todowede and Oladapo A. Ladipo. (2017). School absenteeism among orphans and vulnerable children in

Lagos State, Nigeria: a situational analysis. *Vulnerable children and youth studies*, Vol. 12. No. 3: 264-276

56. Rufus Akinyemi, Donna K Arnett, Hemant K Tiwari, Bruce Ovbiagele, Fred Sarfo, Vinodh Srinivasasainagendra, Marguerite Ryan Irvin, Abiodun Adeoye, Rodney T Perry, Albert Akpalu, Carolyn Jenkins, Lukman Owolabi, Reginald Obiako, Kolawole Wahab, Emmanuel Sanya, Morenikeji Komolafe, Michael Fawale, Philip Adebayo, Godwin Osaigbovo, Taofiki Sunmonu, Paul Olowoyo, Innocent Chukwuonye, Yahaya Obiabo, **Onoja Akpa**, Sylvia Melikam, Raelle Saulson, Raj Kalaria, Adesola Ogunniyi, Mayowa Owolabi, SIREN Investigators. (2017). Interleukin-6 (IL-6) rs1800796 and cyclin dependent kinase inhibitor (CDKN2A/CDKN2B) rs2383207 are associated with ischemic stroke in indigenous West African Men. *Journal of the Neurological Sciences*, Vol. 379: 229-235
57. Mayowa Owolabi, Godwin Ogbale, Rufus Akinyemi, Kehinde Salaam, **Onoja Akpa**, Pattanasak Mongkolwat, Adeleye Omisore, Atinuke Agunloye, Richard Efidi, Joseph Odo, Akintomiwa Makanjuola, Albert Akpalu, Fred Sarfo, Lukman Owolabi, Reginald Obiako, Kolawole Wahab, Emmanuel Sanya, Philip Adebayo, Adeyoyin Komolafe, Odun Akinyemi, Godwin Osaigbovo, Taofiki Sunmonu, Paul Olowoyo, Innocent Chukwuonye, Yahaya Obiabo, Phillip Ibinaiye, Abdul Dambatta, Yaw Mensah, Salaam Abdul, Eunice Olatinri, Joyce Ikubor, Olalekan Oyinloye, Femi Odunlami, Sylvia Melikam, Raelle Saulson, Adesola Ogunniyi, Bruce Ovbiagele, for the SIREN Team. (2017). Development and Reliability of a User-friendly Multicenter Phenotyping Application for Hemorrhagic and Ischemic Stroke. *Journal of Stroke and Cerebrovascular Diseases* pii: S1052-3057(17)30336-1
58. Adetunji, A.A., Kuti, M.A., Audu, R.A., Muyibi, S.A., Imhansoloeva, M., Mosuro O.A., Solanke, E.A., **Akpa, O.M.**, Irabor, A.E., Ladipo, M., Berzins, B., Robertson, K., Ogunniyi, A., Adewole, I.F. and Taiwo, B.O. (2017). Discordant rapid HIV tests: lessons from a low-resource community. *HIV Medicine*, 19(1):72-76
59. Ojagbemi, A., **Akpa, O.**, Elugbadebo, F., Owolabi, M. and Ovbiagele, B. (2017). Depression after Stroke in Sub-Saharan Africa: A Systematic Review and Meta-Analysis. *Behavioural Neurology* Vol. 2017, Article ID 4160259. <https://doi.org/10.1155/2017/4160259>
60. Ayana, C., Oladapo, O., **Akpa, O.M.** (2017). Factors Associated with Vulnerability to HIV and Sexually Transmitted Infections among Street Children in Selected Towns of Ethiopia, 2016. *World Journal of AIDS*, Vol. 7: 230-238
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- 41.

FUNDED RESEARCH & ROLE PLAYED:

2021-2026

Biostatistician/Qualitative Data Analyst

Implementation Research on Administration of Antenatal Corticosteroids during Intrapartum Care in Ethiopia, Bangladesh, Nigeria and Pakistan

Funded by the World Health Organisation, Switzerland (in collaboration with Federal Ministry of Health, Nigeria)

The national study is conceptualized in two phases with the following objective:

Phase 1: Develop and concurrently evaluate an optimized implementation model in LMICs that will achieve at least 70% population-level coverage of use of safe antenatal corticosteroids (ACS) (according to WHO criteria for use) in women having an early preterm birth (<34 weeks)

Phase 2: To evaluate this optimal model for safe ACS at scale (in six health administrative areas) in a stepped-wedge cluster randomized controlled design to measure the impact of such implementation on neonatal mortality

2021-2023

Biostatistician/Data Analyst

A parallel-group, Phase III, multi-stage, modified double-blind, multi-armed study to assess the efficacy, safety, and immunogenicity of two SARS-CoV-2 Adjuvanted Recombinant Protein Vaccines (monovalent and bivalent) for prevention against COVID-19 in adults 18 years of age and older

Funded by the National Institute of Health, USA

The purpose of this Phase III study is to assess the efficacy, safety, and immunogenicity of two CoV2 preS dTM-AS03 vaccines (monovalent and bivalent) in adults 18 years of age and older in a multi-stage approach..

2020-2022

Biostatistician

Exploring the Association between consumption of Vegetables and Cardiovascular Diseases in sub-Saharan Africa

Funded by the National Institute of Health, USA

The purpose of this study is to harmonize data for >50,000 participants in the CHAIR resources of the H3Africa and use the harmonized data to investigate the complex association between vegetable consumption and CVDs in sub-Saharan Africa.

2018-2022

Biostatistician

Systematic Investigation of Blacks with Stroke using Genomics (SIBS Genomics)

Funded by the National Institute of Health, USA

Systematic Investigation of Blacks with Stroke using Genomics (SIBS Genomics) is to discover, validate and functionally characterize novel genetic variants associated with ischemic stroke in people of African ancestry.

2017-2022

Biostatistician

Eyes of Africa: the genetics of blindness

Funded by the National Institute of Health, USA

The purpose of this study is to identify the optimal approach for early treatment of glaucoma and conduct Targeted Glaucoma Screening in Sub Saharan Africa (TGS- SSA): An approach to identify glaucoma early and increase awareness of glaucoma in Sub-Saharan Africa. Successful completion will identify pre-symptomatic glaucoma for treatment, educate families about the disease, and identify highly penetrant mutations that give rise to early onset glaucoma. Funded under H3Africa consortium.

2018-2020

Biostatistician

Prevalence of HBV, HCV and HIV among Patients with and without Sickle Cell Disease in South West Nigeria

Funded by the Gilead Pharmaceuticals, USA

The purpose of this study is to determine the frequency of infection with HBV, HCV and HIV among individuals with sickle cell disease (SS and SC patients), the risk factors associated with infection with these viruses, and the effect of these infections on hematological parameters. The study will also determine the circulating HBV, HCV and HIV types/subtypes/genotypes among individuals with SCD versus control group.

2016-2017

Biostatistician

Epidemiology of Cardiovascular Diseases in sub-Saharan Africa

Funded by the National Institute of Health, USA and the Wellcome Trust, UK

The purpose of this study/job was to harmonize phenotypes and genomic data for >50,000 participants. It also involve integration of the genomics and phenomics data across six research studies making the CVD working group of H3Africa.

2013-2018

Biostatistician,

The Ibadan Cohort of NeuroAIDS (ICON)

Funded by Research and Education Funds from the Northwestern University, Chicago, USA.

ICON is a longitudinal observational cohort study enrolling adult HIV-1 seropositive participants and seronegative controls. The aims of ICON include constituting a well-characterized clinical cohort for biomarker, pharmacologic, genomics and interventional studies of NeuroAIDS.

2013-2018

Biostatistician, Nigeria

Stroke Investigative Research and Education Network (SIREN)

Funded by National Institute of Health (NIH), USA

This is a multidisciplinary collaborative research network of investigators in sub-Saharan Africa (SSA) and the United States collectively focused on exploring ways to promote a better understanding of the genetic and environmental risk factors for stroke among people of African ancestry. Funded under H3Africa consortium.

2012-2017

Biostatistician, Nigeria

Tailored Hospital-based Risk Reduction to Impede Vascular Events after Stroke (THRIVES)

Funded by National Institute of Health (NIH), USA

The purpose of this study is to determine whether a culturally-sensitive multipronged post-discharge intervention can significantly reduce blood pressure, enhance achievement of guideline recommended targets for risk factor control, and lower recurrent vascular events in a low-income and middle-income (LMIC).

CONSULTANCY/COMMUNITY SERVICE/ OTHER RESEARCH RELATED ENGAGEMENTS:

- 2021** **Individual Consultant**
Data Analyst for Scoping on Intermittent Preventive Treatment in Infants (IPTi).
- Client: Malaria Consortium.*
The Data Analyst will work with the Health Systems Strengthening specialist and Epidemiologist in extracting key data and conducting secondary analysis (for Nigeria as a country and specifically for Edo and Ekiti states) in relation to the scoping questions on ‘Appropriate epidemiological context for subnational targeting and relevant populations’. The scoping phase includes analysis of epidemiological and other related health data to generate data relevant for contextualizing and defining strategic plans for the implementation phase of the IPTi in the two states.
- 2020** **Individual Consultant**
HMIS/LMIS data Triangulation for the consumption of ACTs and RDTs across 13 states funded under the Nigeria Malaria Global fund grant.
- Client: MSH, MC in collaboration with CRS and NMEP.*
Among other things, the objectives of this on-site data and operations review includes: To compare HMIS and LMIS data from source documents and identify any disparities and to identify the root causes of any identified disparities in both data sets. The project is been managed by MSH and MC in collaboration with CRS and NMEP as lead PRs in 13 malaria priority states supported by the Global.
- 2020** **Consultant and Team leader**
Situation Analysis of Family Planning and Reproductive Health in five Northern states of Kano, Kaduna, Borno, Jigawa and Yobe for the Lafya Project.
- Client: Population Media Center, Abuja and Palladium*
The purpose of the Situation Analysis was to investigate cultural and religion norms that can mitigate adoption of Family planning and other Reproductive Health Services in the five Northern states. The study was to provide data that could inform medical-based formative research to inform behavioral change.
- 2020** **Consultant and Team leader**
ENDLINE survey to for the Yoruba-Language Radio Serial Dramas in South West, Nigeria
- Client: Population Media Center, Abuja*
The purpose of the endline survey is to generate endline information on socio-economic, demographic and reproductive health indicators that will be used for measuring progress in achieving project objectives and to evaluate the overall impact of the Jolokoto drama series, at the end of the project period.

- 2019** **Consultant and Team leader**
Pre-broadcast survey to establish baseline measures for the Yoruba-Language Radio Serial Dramas in South West, Nigeria
- Client: Population Media Center, Abuja*
The purpose of this baseline survey is to generate baseline measures on socio-economic, demographic and RHI among young people (15-25years) that can be used to establish baseline measures for Radio Serial Dramas in South West, Nigeria.
- 2018** **Individual Consultant**
Consultant to Analyze Data from Tracer Study on Orphans and Vulnerable Children (OVC) Household Graduation in Nigeria 4Children Project at Catholic Relief Services
- Client: Catholic Relief Services & USAID*
Catholic Relief Services (CRS) is an International non-governmental organization supporting relief and development work in over 99 countries around the world. The aim and objectives of this Tracer study is for 4Children to provide TA to USAID and CDC IPs in responsible graduation and transition¹ of OVC, households, communities, LGAs and states as part of the PEPFAR pivot and reflective of PEPFAR 3.0 priorities.
- 2016** **Consultant (Qualitative methods expert) and Team leader**
Baseline survey using Qualitative methods for the ARFH-LOPIN Region 1 Project in Lagos state
- Client: Association for Family and Reproductive Health (AFRH) & USAID*
The aim and objectives of this community-based project is to collect formative data to aid designing of intervention to improve the wellbeing and quality of life of Orphans and vulnerable children (OVC) in Lagos state, Nigeria.
- 2015-2016** **Consultant (Statistician/Field Supervisor)**
Studies and research on rural water supply sanitation and hygiene in the six geopolitical zones in Nigeria
- Client: African Development Bank and Federal Ministry of water Resources, Nigeria*
The purpose of this study among others were: (i) Carry out survey of rural Nigeria to check water supply and sanitation options and hygiene practices, with a view to increasing uptake
- 2015** **Individual Consultant**
National Consultant (Data Analyst)
- Client: UNDP, Nigeria*
The main objective of the assignment was to provide technical assistance on both quantitative and qualitative methods to the Technical Unit on Governance and Anti-corruption Reforms (TUGAR) to conduct a scoping survey and gap analysis of the ethics framework in Nigeria.

- 2015** **Consultant (Statistician/Field Supervisor)**
Pre-Intervention Knowledge, Attitude and Practice of Sanitation Hygiene and Water in Nigeria (SHAWN II) Project on Water and Sanitation (WASH) Related Diseases in Benue, Bauchi, Jigawa, Katsina, Kaduna and Zamfara States, Nigeria
- Client: UNICEF, Nigeria*
The purpose of this study is to investigate pre-intervention KAP of WASH and related diseases in new LGAs in the above listed states where UNICEF intends to start new SHAWN II projects.
- 2013-2014** **Consultant (Statistician/Field supervisor)**
Post-Intervention Knowledge, Attitude and Practice and impact evaluation of Sanitation Hygiene and Water in Nigeria (SHAWN I) Project on Water and Sanitation (WASH) Related Diseases in Benue, Bauchi, Jigawa, and Katsina States, Nigeria
- Client: UNICEF, Nigeria*
The purpose of this study was to investigate post-intervention KAP of WASH and related diseases and the impact evaluation of SHAWN I in LGAs of the above listed states where UNICEF SHAWN I projects has been implement in the past four years.
- 2012-2014** **Statistician (Quantitative Analyst)**
Strengthening Patent Medicine Vendors' Associations in Nigeria for Improved Malaria Management (SPANIMM).
Future Health Systems Research Group, University of Ibadan, Ibadan and Niger Delta University, Nigeria in collaboration with ACCORDIA Global health Foundation and West African Infectious Disease Institute (WAIDI).
- Client: ACCORDIA and Exxon Mobil.*
The purpose of this study was to determine whether Patent Medicine Vendors (PMVs) Associations can play a role in improving PMVs' malaria testing and treatment and recommend set of interventions to build the capacity of PPMV associations.
- 2002 - 2011** **Research and Statistical analyst**
The Ambassadors Research & Statistical Consultancy Center, Ilorin, Nigeria
- Providing statistical guidance to all manner of researchers including postgraduate and undergraduate students, independent researchers and resident doctors preparing for qualifying examinations.
 - Providing research directions on Monitoring and Evaluation as well as research methodologies to clients

AWARDS, SCHOLARSHIPS AND RECOGNITION:

2016 Post-Doctoral Fellowship – Cardiovascular working group of H3Africa (National Institute of Health).

- 2016 National Institute of Health, USA:** Travel fellowship award for a training workshop on Microbial Genomics, Harvard Medical School, Boston, USA
- 2016 National Institute of Health, USA:** Scholarship award for a short course on Statistical Genetics, University of Alabama at Birmingham, USA
- 2014 Visiting scholar-** Center for Global Health Northwestern University, Chicago, USA
- 2014 Fogarty fellow (Neuro-Biostatistics)-** Center for Biostatistics in AIDS research, Harvard school of public health (HSPH), Boston, USA
- 2011 The Nigerian Young academy:** Travel grant to attend conference and General Assembly
- 2010 University of Ilorin:** Best Doctoral thesis award nomination for the 2009/2010 NUC award
- 2010 The Redeemer's University:** International workshop/Conference Sponsorship Award
- 2010 Global Young Academy (GYA) and InterAcademy Panel (IAP):** Scholarship award for International workshop of the Global Young Academy (GYA)
- 2008 International Centre for Theoretical Sciences, TATA Institutes for Fundamental Research, Bangalore, India:** Scholarship award for a short course on Biomedical Modelling.
- 2008 The Redeemer's University:** Sponsorship Award for Academic Staff on Higher degree.
- 2008 The Redeemer's University:** International workshop/Conference Sponsorship Award
- 2007 The Redeemer's University:** Sponsorship Award for Academic Staff on Higher degree.
- 2006 International Centre for Reproductive Health, Ghent University, Belgium:** Scholarship award for a short course on Modeling of TB and HIV/AIDS
- 2006 The Redeemer's University:** Local Conference/workshop Sponsorship Award
- 2006 The Redeemer's University:** Sponsorship Award for Academic Staff on Higher degree.
- 2002 National Youth Service Corps:** Drug Free Club's award for a meritorious Service.

COURSES TAUGHT AT THE UNIVERSITY LEVEL:

A. UNDERGRADUATE LEVEL:

- Introduction to Medical Statistics
- Descriptive Statistics
- Statistical Methods
- Probability and Distribution theory
- Design and analysis of Experiment
- Biometrics
- Statistics for Agriculture and Biological Sciences
- Statistics for Engineering and Physical Sciences

- Multivariate Analysis
- Analysis of Variance
- Statistical Computing
- Statistical Data Analysis
- Statistics for Business and Management Sciences
- Quantitative methods in Business Management

B. POSTGRADUATE LEVEL:

- Statistical methods for Multivariables
- Advance Research Methodology
- Nonparametric statistics
- Statistics Methods in Epidemiology
- Contingency Table Analysis
- Modeling in Epidemiology
- Basic Principles of Biostatistics
- Design and Analysis of Experiment
- Medical Statistics in Practice (Statistical Consultancy)

OTHER EXPERIENCES AND PROFESSIONAL MEMBERSHIPS:

- | | |
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| 2018-Date | Member, Editorial Board, eNeurologicalSci |
| 2014- 2015 | Member, American Statistical Association (ASA) |
| 2011-Date | Experience in Grant written |
| 2005-Date | Experience in undergraduate and postgraduate curriculum development |
| 2011- Date | Lecturer Nigerian Field Epidemiology and Laboratory Training Program (NFELTP) |
| 2013-Date | Peer Reviewer for Equity journal of Science and Technology |
| 2010-Date | Peer Reviewer for PLoS One Journal |
| 2010-Date | Peer Reviewer for Journal of Infection in Developing Countries |
| 2012-Date | Peer Reviewer for Journal of Community Medicine and Health education |
| 2005-Date | Nigerian Statistical Association (NSA)- Member |
| 2006-Date | Member, International Biometrics Society (IBS)- Member |
| 2010-Date | Member, Global Young Academy (GYA)- Founding member |
| 2011-Date | Nigerian Young Academy (NYA)- Founding member and Secretary, Steering Committee |

STATISTICAL SOFTWARES/DATABASE COMPETENCE:

Quantitative Data and Sample size Estimation

R; SPSS; STATA; MS-EXCEL; DESIGN EXPERT; GENSTAT; Table Curve 2D; EPICAL; PASS; EAST

Qualitative data

Atlas ti; NVIVO

Database Management

REDCap; MS-Excel

REFEREES:

1. Prof. Oyindamola B. Yusuf,

Professor of Biostatistics.

Department of Epidemiology and Medical Statistics,

Faculty of Public Health,

College of Medicine,

University of Ibadan, Oyo state, Nigeria

Email: bidemiyusuf1@gmail.com

2. A. S. Adebawale, Ph.D.

Associate Professor of Medical Demography,

Department of Epidemiology and Medical Statistics,

Faculty of Public Health,

College of Medicine,

University of Ibadan, Oyo state, Nigeria

Mobile : +234 (0) 8033565210

Email : adehamilt2008@yahoo.com

3. Emmanuel Iyayi UNUABONAH, Ph.D

Professor of Chemistry & Director,

Directorate of Academic Planning & Quality Assurance,

Redeemer's University, Ede, Osun State, Nigeria.

Email: unuabonah@run.edu.ng, iyaemma@yahoo.com

Tel: +2348053175971