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PROFESSIONAL SUMMARY

Epidemiologist and survey methodologist with more than twenty years of experience in public health surveillance, survey research, program evaluation, and scientific reporting for state, federal, and international partners. PhD in Demography and Social Statistics (2012); DrPH in Health Promotion and Behavioral Sciences with a minor in Epidemiology (2023). Lead epidemiologist and lead methodologist for the New Mexico Youth Risk and Resiliency Survey (NM-YRRS), a CDC-aligned biennial survey of public middle and high school students; led the 2025 sampling design and developed and ran the post-fieldwork data pipeline, from survey weights and response rates to the internal analytic datasets. Earlier work spans household-survey evaluation, health and demographic surveillance, and survey-methods training in Nigeria and East Africa. Taught demography and social statistics at Obafemi Awolowo University, Nigeria (2004–2017), and was promoted to Reader (Associate Professor) in 2018. Stata (advanced); R, SPSS, ArcGIS, Power BI, Tableau. 20+ peer-reviewed publications; Review Editor, *Frontiers in Public Health*.

SELECTED SURVEILLANCE AND SURVEY PROJECTS

- NM Youth Risk and Resiliency Survey (NM-YRRS), 2025–present: sampling design, survey weighting, response rates, non-response bias analysis, data validation, and analytic datasets for a probability-sampled survey run to CDC standards; coordinates methodology with CDC, Westat, and the University of New Mexico.
- CDC School Health Profiles, New Mexico, 2026: set the sampling parameters, coordinated with Westat, and monitored fielding and response rates; final files received in July 2026 with the 70% weighted-data threshold met.
- Oriade Health and Demographic Surveillance System (HDSS), 2010–2012: Site Coordinator for a longitudinal surveillance platform of Obafemi Awolowo University and the Gates Institute at the Johns Hopkins Bloomberg School of Public Health; led community engagement, baseline data collection, and quality-control procedures.
- COMPASS Reproductive Health, Child Health, and Education Household Surveys (USAID/MEASURE Evaluation), 2005–2009: baseline, midline, and endline rounds of a multistage probability household survey across five Nigerian states and the Federal Capital Territory; progressed from fieldwork supervisor to Nasarawa State team leader, leading eight field supervisors and their fieldworkers, and national core-team member.
- World Bank / National Population Commission training, 2013: designed and delivered complex-survey design, sampling, weighting, and inference training for 60+ senior staff from all 36 Nigerian states.

PROFESSIONAL EXPERIENCE

Epidemiology Specialist (Youth Health Survey Epidemiologist)

January 2025 – Present

New Mexico Department of Health, Center for Health Protection | Albuquerque, NM

- Lead epidemiologist and lead methodologist for the NM-YRRS (2025 cycle: 26,862 student respondents from about 38,600 eligible students in sampled classrooms); advises program leadership on analytic strategy; coordinates methodology with CDC, Westat, and the UNM Prevention & Population Sciences team.
- Led the 2025 sampling design: wrote the selection code, produced the final school and district selections, evaluated the sample, and authored the NM-YRRS Sampling Overview brief.
- Developed and ran the 2025 post-fieldwork data pipeline: variable dictionary, all weighting stages, response rates by the CDC method, and non-response bias analysis; produced the internal analytic datasets released in September 2026.
- Built automated certification checks and conducted a cross-cycle reproducibility review of the sampling and data-processing code; identified and corrected inherited derivation and weighting defects; reviewed CDC/Westat's 2025 New Mexico Youth Risk Behavior Survey (YRBS) deliverables and reproduced reported design effects.
- Executed, on behalf of NMDOH, the Family Educational Rights and Privacy Act (FERPA) assurance and data-sharing agreement with the New Mexico Public Education Department (NMPED), securing the enrollment data needed for survey weighting.

- Contributed survey-data and suppression recommendations for complex survey data to the Department's draft Data Release Policy; designed the 2025 race and ethnicity variable set adopted by the Survey team; YRRS data steward for the move to the new NM Public Health Data Portal.
- Supplies YRRS data for Department bill analyses and Legislative Finance Committee (LFC) reporting; assigned, individually or jointly, about 165 YRRS data requests (January 2025 – October 2026).
- Designed and delivered YRRS survey-analysis training in Stata for Department epidemiologists; optimized the Stata analysis pipeline, reducing processing runtime by roughly two-thirds and establishing a reusable workflow for subsequent survey cycles.

Assistant Lecturer / Lecturer / Senior Lecturer / Reader (Associate Professor) August 2004 – December 2023
Obafemi Awolowo University, Department of Demography and Social Statistics | Ile-Ife, Nigeria

- Held lead and senior technical roles on externally funded projects with the World Bank, USAID, WHO, and the Gates Institute at the Johns Hopkins Bloomberg School of Public Health, spanning proposal development, study protocols, data management and analysis, and funder reporting.
- Conducted observational research on maternal mortality, fertility, contraceptive use, and maternal and child health care using national survey and primary field data; produced 20+ peer-reviewed publications and technical reports.
- Initiated and led annual Demographic and Health Surveys (DHS) Data Users Workshops (2013–2016) and co-facilitated USAID-funded regional training in Uganda, Kenya, and Nigeria; taught graduate and undergraduate courses in demography, social statistics, and data analysis; supervised 4 doctoral and 14 master's students, 7 of whom completed by 2017.
- Took leave from OAU in August 2017 for second doctoral studies (DrPH, UTHealth Houston); the appointment continued through December 2023.

Selected Consulting and Project-Based Roles 2005 – 2016
USAID/MEASURE Evaluation, ICF International/The DHS Program, World Bank, Clinton Health Access Initiative, Gates Institute | Nigeria and East Africa

- Field Coordinator, Family Health and Wealth Study (2010–2012): led field implementation at the Nigerian site of a multi-country longitudinal study of married couples; supervised 48 field staff; coordinated data collection for approximately 500 couples.
- Remote Researcher, DHS Further Analysis Reports, ICF International/USAID (2015–2016), and lead author, DHS Working Paper No. 92 (2013): analyzed national survey data and delivered funder-formatted technical reports.
- Evaluation Consultant, Clinton Health Access Initiative health facility assessments (2014–2015): designed data-collection protocols, introduced Open Data Kit (ODK) electronic data capture, supervised data quality, and led analysis in three states.
- Team Leader and Fieldwork Supervisor, COMPASS household surveys (USAID/MEASURE Evaluation, 2005–2009): authored the family-planning chapters in the end-of-project household and health-facility survey reports.

EDUCATION

Doctor of Public Health (DrPH) — Health Promotion and Behavioral Sciences; Minor: Epidemiology
University of Texas Health Science Center at Houston | Houston, TX | 2017–2023

Doctor of Philosophy (PhD) — Demography and Social Statistics
Obafemi Awolowo University | Ile-Ife, Nigeria | 2005–2012

MSc and BSc — Demography and Social Statistics
Obafemi Awolowo University | Ile-Ife, Nigeria

Postdoctoral Research Fellow, Population and Health Studies
North West University | Mahikeng, South Africa | 2015–2016

CORE SKILLS

- Survey design and analysis: probability sampling, sampling frames, complex survey weighting, non-response adjustment, response rates, and variance estimation (University of Michigan Sampling Program for Survey Statisticians; Leslie Kish Fellow).
- Data management and quality assurance: data validation, cleaning, and harmonization across cycles; codebooks and documentation; reproducibility review; data governance, confidentiality, suppression, and data-sharing agreements.

- Epidemiologic and evaluation methods: survey-weighted prevalence, trend, and subgroup analysis; multivariable and multilevel modeling; mixed-methods and baseline/midline/endline evaluation; GIS and spatial analysis.
- Software: Stata (advanced); R; SPSS; Power BI; Tableau; ArcGIS; Microsoft Word, Excel, PowerPoint; EndNote; Zotero.

SELECTED PRESENTATIONS AND TRAINING

- Forthcoming: Akinlo, A. (2026). Flavored and Familiar: School Data on Nicotine, Marijuana, and Whole Child Health. Head to Toe Conference 2026, Albuquerque, NM. November 4, 2026.
- Akinlo, A. & FitzGerald, C. (2026). NM-YRRS Statewide Results: Mental Health and Substance Use. New Mexico School Nurses Association Annual Conference, Red River, NM. June 11, 2026.
- Akinlo, A. & Pell, D. (2025). Beyond Grades: How School-Based Supportive Relationships Impact Student Academic and Mental Health Outcomes. Head to Toe Conference 2025, Albuquerque, NM. November 5, 2025. (Recognized by the organizers as one of the conference's best-attended sessions.)
- Akinlo, A., Marlow-Geter, A., & Pell, D. (2025). Safe Schools: Hearing from NM Students through the 2023 YRRS Survey. New Mexico Safe School Summit, Albuquerque, NM. November 19, 2025.
- Trainer: YRRS Survey Analysis in Stata, for New Mexico Department of Health epidemiologists (NM Survey Data Users' Group), July and August 2026.

SELECTED PUBLICATIONS AND TECHNICAL REPORTS

- Fwelo, P., Adzrago, D., Adekunle, A. D., Adekunle, T. E., Akinlo, A., & Perkinson, W. B. (2023). Relationship between mental health disorder symptoms and negative cancer perceptions among US adults. *Cancer Causes & Control*, 34, 295–305.
- Obiyan, M. O., Akinlo, A., & Ogunjuyigbe, P. O. (2019). Maternal socioeconomic status and fertility behaviour in Nigeria: evidence from a cross-sectional nationally representative survey. *European Scientific Journal*, 15(31), 207.
- Jennings, L., Yang, F., Otupiri, E., Akinlo, A., Okunlola, M., & Hindin, M. (2017). Association of household savings and expected future means with delivery using a skilled birth attendant in Ghana and Nigeria: a cross-sectional analysis. *Maternal and Child Health Journal*, 21(1), 85–95.
- Winter, R., Akinlo, A., & Florey, L. (2016). Trends in Child Health in Nigeria, 2003–2013. DHS Further Analysis Reports No. 103. Rockville, MD: ICF International.
- Akinyemi, A., Adedini, S., Hounton, S., Akinlo, A., et al. (2015). Contraceptive use and distribution of high-risk births in Nigeria: a sub-national analysis. *Global Health Action*, 8, 29745.
- Akinlo, A., Bisiriyu, A., & Esimai, O. (2013). Influence of Use of Maternal Health Care on Postpartum Contraception in Nigeria. DHS Working Papers No. 92. ICF International.
- 20+ peer-reviewed journal articles and technical reports; full list: scholar.google.com/citations?user=sJp7LpUAAAAJ

SCIENTIFIC SERVICE, FELLOWSHIPS, AND AFFILIATIONS

- Review Editor, *Frontiers in Public Health* (2022–present); Associate Editor, *Archives of Public Health* (2022–2024); Member, International Union for the Scientific Study of Population (IUSSP) Scientific Panel on Couples' Reproductive Health and Fertility (2018–2022); former Advisory Board Member, IPUMS-DHS, University of Minnesota. Web of Science ResearcherID J-7026-2012.
- Fellowships: Leslie Kish Fellow, University of Michigan (2015); ICF Demographic and Health Surveys Program Fellow (2012); Gates Institute Fellow, Johns Hopkins Bloomberg School of Public Health (2010). Affiliations: IUSSP; American Public Health Association (APHA).
- Recent training: Power BI Dashboard in a Day (2026); Software Carpentry, RStudio for Reproducible Data Analysis, University of New Mexico (2026); CITI Program Human Subjects Research (2026); WHO/AFRO Advanced Training on Epidemiology-based Health Workforce Needs Assessment (2024); UC Davis Tableau Specialization (2021).

References available upon request.