

OKIKIOLA OYENIYI

HEALTHCARE DATA ANALYST

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📁 Portfolio

SUMMARY

Healthcare data analyst with background in public health research, and disease prevention. Experienced analyzing HIV/AIDS and infectious disease datasets at population scale, with published research on vaccination adherence and disease outcomes in Nigerian communities. Proficient in Power BI, SQL, Excel, and Python. Focused on transforming complex health data into findings that inform program decisions, resource allocation, and policy.

Projects

Smokers Health Risk Analysis	03/2026 – 03/2026
- Cleaned and analyzed a 2,500-row patient dataset in Power BI using Power Query and DAX to measure organ damage rates across smoking groups and age bands - Built an interactive dashboard with a dynamic organ toggle designed for non-clinical audiences to explore findings independently - Found that patients with no smoking history appeared across most damaged organ categories, and recommended multi-factor risk screening: covering BMI, alcohol consumption, and age, over smoking status alone	
Microfinance Bank – Loan Portfolio Risk Analysis	02/2026 – 02/2026
- Audited a ₦1.5B loan portfolio across 4,400 rows in Excel and Power Query, correcting a data misclassification that would have distorted all KPIs - Built cross-table KPIs in Power Pivot and a 2-page dashboard revealing a 45.4% cash collection rate and a default rate of 15.5% — 55% above the CBN regulatory threshold - Identified that the credit scoring model had zero predictive power and recommended a full rebuild alongside a borrower blacklist for active defaulters	
Sales Analysis Dashboard 📁, <i>Personal Project</i>	01/2026 – 01/2026
- Diagnosed revenue concentration risk by analyzing 24 months of retail transaction data, revealing that the top five states generated 52% of total revenue and exposed geographic dependency. - Built a relational data model in Excel using Power Query and Power Pivot to integrate Sales, Customer, and Product tables, reducing manual reporting time by an estimated 40%.	

SKILLS

Analytics & BI: | Power BI (DAX, Power Query) | Tableau | Microsoft Excel (Power Pivot, Pivot Tables, advanced lookups) | SQL (aggregation, filtering, validation) | Python (Pandas, data preparation)

Research Methods: Quantitative survey analysis | Cross-sectional study design | Dataset documentation | Audit trail maintenance | SPSS | NVivo

EXPERIENCE

Research Analyst , <i>Centre for Population Health Initiatives</i>	05/2024 – 12/2025 Lagos, Nigeria
- Cleaned, validated, and analyzed HIV/AIDS and infectious disease datasets ranging from 1,000 to 10,000 records across multiple concurrent studies, improving data readiness and reducing downstream reporting errors. - Queried and filtered large survey datasets to answer specific research and operational questions, with outputs feeding directly into both internal program decisions and external reports and grant submissions. - Built structured Excel tables and summary documents used for external stakeholder reporting, including submissions to partner organizations and funders. - Analyzed trends in program participation, treatment adherence, and health outcomes to support planning decisions across active disease prevention programs. - Maintained organized datasets with clear variable definitions and audit trails, supporting continuity across a multi-researcher team. - Presented data summaries and analytical findings to senior researchers and external collaborators during formal review meetings.	

EDUCATION

Tech Studio Academy , <i>Data Science and Analysis</i>	12/2025 – 03/2026 Lagos, Nigeria
Tai Solarin University of Education , <i>Bachelor of Science in Education, Biological Sciences</i> Second Class Upper Division CGPA 4.4/5.0	10/2019 – 11/2023 Ogun State, Nigeria

CERTIFICATIONS

Data Analytics Essentials  Coursera	SQL (Advanced)  HackerRank	Data Science and Analysis Tech Studio Academy
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PUBLICATIONS

Impact of demographic factors and HIV status on Hepatitis B vaccination adherence and completion rate among high-risk populations in Lagos State, Nigeria  , <i>PLoS One</i> 21(3): e0321434. Shoyemi E, Aghedo OG, Obi C, Uwaoma CPK, Azeez OS, Oyeniyi O (2026)	03/2026
Ethnobotanical Survey of Medicinal Plants Used in the Treatment of Skin Infections in Ogun and Oyo States, Nigeria.  , <i>Journal of Public Health Research and Epidemiology</i> Oyeniyi, O., Aghedo, O. G., Akwolu, C. C., Uwaoma, C. P.	02/2025

AWARDS

Most Outstanding Student , <i>Department of Biological Sciences</i>	09/2023
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