

PAUL KWESI DADZIE

Email: pdadzie@protonmail.com | Phone: (740) 590-4363

SUMMARY

Healthcare Data Analyst with 6+ years driving actionable insights from Medicaid/MMIS claims, eligibility, pharmacy, and SPBM datasets. Expert in SQL, Python, and SAS for data engineering and statistical analysis. Proven success building enterprise Power BI and Tableau dashboards, optimizing ETL/ELT pipelines, and automating reporting workflows that improve operational efficiency and data accuracy by up to 45%. Passionate about delivering scalable analytics solutions that empower stakeholder decision-making and improve patient outcomes.

CORE SKILLS

- **Languages:** SQL, Python (Pandas, NumPy), R, SAS (Base/Advanced), DAX, Power Query
- **Cloud & Data Platforms:** GCP, Databricks, Snowflake, Apache Spark/PySpark, dbt
- **Analytics:** Statistical modeling, regression, anomaly detection, predictive analytics
- **BI & Visualization:** Power BI (DAX, Power Query M), Tableau (LOD, Server), Excel
- **Version Control & Collaboration:** Git, GitHub, GitLab
- **Healthcare Domains:** Medicaid/Medicare, MMIS, HEDIS/CAHPS, Prior Authorization, Behavioral Health, Pharmacy(SPBM)

WORK EXPERIENCE HIGHLIGHTS

Ohio Department of Medicaid

Columbus, OH

Data Analytics Specialist

Jan 2022-Present

- Designed and deployed 10+ interactive Power BI/Tableau dashboards, including the agency’s first HEDIS/CAHPS, Prior Authorization, and Behavioral Health dashboards, reducing ad hoc reporting requests by 45%.
- Engineered and optimized ETL pipelines for Prior Authorization data (10M+ rows) using SAS and SQL, and macro-based automation that reduced pipeline runtime by 60% and improved data refresh efficiency.
- Spearheaded COVID-19 Medicaid enrollment analytics tracking 500K+ members, quantifying pandemic impact (35% enrollment surge), identifying coverage gaps, and delivering automated reports that informed emergency policy decisions and \$50M+ budget allocations.
- Built automated data quality framework using SAS and SQL validation scripts with reconciliation checks across source systems, ensuring 99.9% accuracy for \$250M+ COVID relief payments and pass-through audit compliance.
- Implemented Git-based version control for analytics code, improving collaboration and reducing deployment errors by 30%.

Hopewell Health Centers Inc.

Athens, OH

Data Consultant

May 2020-Jan 2022

- Delivered Tableau dashboards for leadership reviews, reducing ad hoc reporting by 35% and improving decision-making speed.
- Cleaned and validated large datasets using SQL, improving on-time federal report submissions from 80% to 98%.

- Automated weekly clinical quality reports with SAS macros, saving 20+ hours/week and eliminating manual Excel processes.
- Performed case management analytics on 15K+ discharge cases, identifying key barriers (housing, transportation, medication access) and evaluating intervention effectiveness, contributing to 22% reduction in readmissions.
- Extracted and analyzed 340B pharmacy claims data, uncovering prescribing trends that informed 10% expansion in covered entities.

Hopewell Health Centers Inc.

Athens, OH

Research Analyst, Contract

May 2019 -May 2020

- Conducted logistic regression analysis using Python to identify social risk factors affecting treatment outcomes for diabetic patients, leading to the launch of a new quality improvement initiative.
- Built comprehensive chronic conditions monitoring dashboard in Tableau analyzing 5,000+ patient records across diabetes, hypertension, COPD, and asthma cohorts, tracking clinical outcomes, care gaps, and quality measures that improved care coordination and preventive intervention rates by 25%.
- Performed in-depth statistical analysis using Python to uncover barriers to child developmental milestones in Athens County, directly informing the rollout of the Healthy Steps Zero to Three program.

University of Cape Coast Hospital

Cape Coast, Ghana

Clinical Data Analyst

Aug 2015 - Aug 2017

- Collected, cleaned, and managed patient and program data using Microsoft Excel and Access; achieved 95%+ completeness and alignment with national data standards; maintained HIPAA/PHI privacy practices.
- Performed routine data quality checks and validations (data profiling, duplicate resolution, reconciliation), reducing reporting errors by 20% and improving timeliness of monthly submissions.
- Analyzed clinical and operational metrics in Excel (pivot tables, formulas, charts) to identify trends and inform program improvement initiatives.
- Designed and delivered reports and presentations in PowerPoint for clinicians and administrators, cutting decision-making turnaround time by 3 days.

CERTIFICATIONS

- SAS Certified Base programming using SAS 9.4.
- SAS Certified Advanced programming using SAS 9.4.

EDUCATION

Ohio University

Athens, OH

Master of Science, Applied Mathematics

May 2020

Ohio University

Athens, OH

Master of Arts, Applied Economics

May 2020