

ALAN HOLLOWAY, MS

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PROFESSIONAL SUMMARY

Epidemiologist-trained (MS Biostatistics) data professional with 8+ years of healthcare experience spanning claims analysis, surveillance methodologies, and PHI-compliant data governance. Proficient in SAS, R, and SQL for outbreak detection, chronic disease monitoring, and health trends analysis. Seeking to apply analytical skills to viral hepatitis surveillance and communicable disease control at the state level.

TECHNICAL SKILLS

- **Surveillance & Analysis:** Disease surveillance, case investigation, data quality assurance, outbreak support, grant reporting
- **Programming & Databases:** SAS, R, SQL (querying, joins, data modeling), Python (Pandas, NumPy)
- **Data Visualization:** Power BI, Excel (PivotTables, dashboards), Tableau (familiar)
- **Public Health Knowledge:** Infectious disease surveillance, HIPAA compliance, protected health information (PHI), health disparities
- **Systems:** EHR/EMR data extraction, NEDSS (familiarity developing)

Epidemiology & Surveillance

- **CDC NNDSS data structure**
 - MMWR week reporting
 - Disease cluster detection
 - Surveillance system evaluation
 - Outbreak analytics
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PROFESSIONAL EXPERIENCE

Traditions Health | Franklin, TN

Cash Application Analyst (Data Governance & Quality Assurance focus) | January 2024 – Present

- Conduct data quality assurance and validation audits on patient eligibility records, ensuring 100% compliance with Medicare, Medicaid, and private payer regulations

- Analyzed prior authorization workflows and denial data using Excel and EHR reports (e.g., Homecare Homebase), identifying key trends and implementing process improvements that reduced claim rejections by 15%.
- Analyze disease-relevant data (prior authorizations, denial patterns) to identify trends and implement process improvements
- Collaborate with clinical teams to develop data governance protocols, improving data integrity and reducing reporting errors
- Serve as subject matter expert on data workflows, translating complex requirements into standardized procedures

Dialysis Clinic Inc. | Nashville, TN

Corporate Billing Specialist | June 2016 – January 2024

- Processed and analyzed 500+ monthly claims, identifying systemic denial patterns (e.g., prior authorization gaps) and developing recovery strategies that recaptured \$250K+ in annual revenue.
- Maintained HIPAA-compliant data environment, ensuring 99.9% accuracy in patient data verification and coding
- Developed a SQL-based case-tracking system to monitor data integrity, resulting in a 25% reduction in data errors
- Extracted and synthesized data from EHR systems to create weekly performance reports for leadership

EDUCATION

Middle Tennessee State University | Murfreesboro, TN

Master of Science in Biostatistics | May 2023

- Relevant Coursework: Advanced Statistical Modeling, Data Mining, Longitudinal Data Analysis, Clinical Trials, Population Health

Austin Peay State University | Clarksville, TN

Bachelor of Science in Healthcare Management | May 2016

PROFESSIONAL DEVELOPMENT

- HIPAA Compliance Training
 - **Independent Project: Acute Hepatitis Surveillance (TN, 2016)**
Built reproducible R pipeline to clean and analyze CDC NNDSS hepatitis data. Produced weekly case trend visualizations for hepatitis A, B, and C. Code and outputs available on GitHub. Demonstrates competence in CDC surveillance data structures, MMWR reporting, and outbreak analytics.
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REFERENCES

Available upon request.