Henrietta Oyelaran-Pruitt

Epidemiologist

Nashville, TN · henrietta.oyelaranpruitt@example.com · (615) 555-0146 · LinkedIn · GitHub

SUMMARY

Epidemiologist (MPH) with 6 years in state infectious disease surveillance, analysing reportable disease data in SAS and R. Led field investigations for 14 foodborne and respiratory outbreaks and cut the time from lab report to case interview from 5 days to 2. Builds weekly surveillance dashboards read by 95 local health officials.

EXPERIENCE

Epidemiologist II, Communicable Disease — Sequatchie Valley State Department of Health

Nashville, TN · Jan 2021 – Present

- Lead investigations for 14 foodborne and respiratory outbreaks, designing case definitions, questionnaires and case-control analyses.
- Cut median time from positive lab report to case interview from 5 days to 2 by redesigning the electronic lab report triage queue.
- Build weekly R Markdown surveillance reports on 60 reportable conditions, read by 95 county health officials.
- Ran a capture-recapture analysis that estimated 30% underreporting of a tickborne illness, supporting added provider education in 12 counties.
- Trained 18 county staff on outbreak line lists and data quality checks in the state reporting system.

Epidemiology Fellow — Old Hickory Lake Public Health Institute

Franklin, TN · Aug 2018 – Dec 2020

- Analysed 8 years of hospital discharge data in SAS to measure trends in opioid overdose admissions across 22 counties.
- Co-authored 2 peer-reviewed papers on overdose surveillance methods.
- Built a syndromic surveillance query that flagged emergency visits for heat illness 3 days earlier than the prior method.
- Presented findings at 4 regional public health meetings for program managers and clinicians.

SKILLS

Methods: Outbreak investigation, case-control and cohort studies, regression modelling, survival analysis

Surveillance: Reportable disease systems, syndromic surveillance, electronic lab reporting, data quality review

Software: SAS, R (tidyverse, survey), SQL, ArcGIS, REDCap, Tableau

Communication: Situation reports, health alerts, peer-reviewed writing, data briefings

CERTIFICATIONS

Certified in Public Health (CPH), 2019

FEMA ICS-100 and ICS-200 Incident Command, 2019

EDUCATION

M.P.H. Epidemiology, Emory University, 2018

B.S. Biology, University of Tennessee, 2016

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