Data Analytics Coordinator

Job Overview	
Purpose of Position:	The Data Analytics Coordinator is a public health professional who analyzes data related to the COVID-19 pandemic and data collected as a result of the public health response to COVID-19. The Coordinator will analyze data on the occurrence of disease in communities and within subpopulations in communities, and assess the impact of disease in terms of disease counts, rates, hospitalizations, medical services utilization, outbreaks, and deaths, as well as the progress made in case identification, testing, and contact tracing. Data, once quality assured, will be analyzed using advanced statistical analysis and data visualization tools to track trends and patterns in disease occurrence. Data for the region will be compared with that for other regions, the state, and the nation. The position will contribute to the overall understanding of the epidemiology of COVID-19 in Virginia and the effects of the pandemic response.
Typical Core Duties:	- Data Analysis - Export data from statewide data systems used to monitor the COVID-19 pandemic in Virginia. Merge and manage data as necessary to generate fields necessary for the planned analyses. - Utilize statistical analysis tools to calculate frequencies, rates, and relationships in the data and ensure the data are clean and well-understood prior to developing additional outputs/reports. - Resolve any problems in data quality and completeness. Work with those providing the data as necessary to address issues that are identified. - Data Visualization - Apply data visualization tools to create data displays that are useful to demonstrate trends and patterns in disease occurrence in the community and disease risk in different populations. - Compare data with similar analyses developed elsewhere. - Data Interpretation and Use in Pandemic Response Planning - Generate reports, displays, interactive online tools, etc. to make data available to government leaders, public health officials, community partners, and the public. Ensure output is easy to use and clearly understandable to different audiences. - Communicate any disturbing or unexpected findings to supervisors or others as appropriate. Position data, data visualizations, and reports so they can be most useful in assessing the pandemic, pandemic response to date, and plans for the next steps that can be implemented to control the spread of disease in the community.
Typical Supervision/Independence of Action:	Performs functions of position independently and within established procedures and guidelines. Seeks supervisory guidance for non-routine or complex matters.
Required Licensure/Education:	N/A
Typical KSAs:	- Master's level degree (or equivalent experience) in the following: (1) public health or epidemiology; (2) health informatics, computer science, information science or information systems; or (3) public health research or health services research. - At least 1 year of documented experience in public health or population health. - At least 1 year of documented experience in the following: public health informatics, health or clinical informatics, information systems, information science, computer science, or information technology.

	• Ability to clearly communicate technical issues to non-technical staff and management, both orally and in writing. • Extensive experience with any of the following: Epi Info, SQL, REDCap, Tableau, Microsoft Access.
Typical Preferred Qualifications:	• Skill in using disease surveillance data systems (NEDSS Base System preferred). • Knowledge of public health practices, communicable diseases and disease control, and disease reporting/surveillance. • Understanding of medical terminology related to infectious diseases.

Resources:

https://www.cdc.gov/coronavirus/2019-ncov/php/principles-contact-tracing.html

https://www.dshs.state.tx.us/coronavirus/tracing.aspx

https://www.talentboost.cloud/partners-in-health

https://www.npr.org/sections/health-shots/2020/04/14/833726999/how-contact-tracing-can-help-fight-coronavirus