



# Chelan-Douglas Health District

200 Valley Mall Parkway, East Wenatchee, WA 98802

Regional Epidemiologist/Biostatistician			
Department:	CD/Epi	Reports to:	CD-Epi Director
Direct Reports:	N/A		
Assignment Category:	<input checked="" type="checkbox"/> Full time <input type="checkbox"/> Part Time <input type="checkbox"/> Temporary		
Classification:	<input checked="" type="checkbox"/> Non-Exempt <input type="checkbox"/> Exempt		
Compensation:	\$6,373 – \$8,541 per month - Line Q of the Wage Scale		
Option to become a member of the local collective bargaining unit?		<input type="checkbox"/> Yes <input type="checkbox"/> No	

## Position Overview:

The Chelan-Douglas Health District is seeking a highly skilled and experienced person to join the Communicable Disease and Epidemiology Unit as a **Regional Epidemiologist/Biostatistician**. This position will play a crucial role in public health by employing their expertise in epidemiology, biostatistics, and data analysis to enhance the understanding and management of health-related issues within the region. This position will work under the Director of Communicable Disease and Epidemiology to provide epidemiological and biostatistical management support to Chelan, Douglas and Okanogan Counties. This includes ensuring the development and routine testing of regional disease outbreak response plans and investigation activities as well as monitoring and evaluation of health programs to improve effectiveness, promote equity and reduce disparities in negative health outcomes.

This position also directly supports the North Central Washington (NCW) Epidemiology Consortium. The NCW Epi Consortium brings together epidemiologists, assessment coordinators and data leads from Chelan, Douglas, Okanogan, Grant, and Kittitas counties and regional health partners to share knowledge and resources. This can include coordination and capacity building for outbreak investigations, ongoing disease surveillance, monitoring and evaluation, and reporting public health interventions within NCW. The NCW Epi Consortium will perform statistical analyses on regional data and provide interpretation of health data. They will also consult with regional leadership to develop priorities and guide policy making and the development of effective intervention programs for state and local stakeholders.

To ensure the highest level of services are provided, additional duties and responsibilities may be assigned as needed and may include cross-functional, or project team responsibilities.

## Job Duties and Responsibilities (Essential Functions):

### Epidemiological Surveillance:

- Design and implement improvements in the Districts' public health data systems and programs, under the general direction of the Director of Communicable Disease and Epidemiology.

- Conduct ongoing surveillance of health trends and diseases in the region.
- Develop and implement models for detecting, predicting, controlling, and managing disease outbreaks.
- Analyze and interpret epidemiological data to inform public health decision-making.
- Use epidemiologic analyses to help formulate public health policy and recommendations, guide program planning, and identify problems needing additional study.
- Provide support for standardization and implementation of monitoring and evaluation tools for local and regional public health systems and interventions. This includes analyzing internal programs as well as stakeholder programs.
- Ability to design primary data collection instruments and assist the Assessment Coordinator in collection of primary population health data.

#### Biostatistical and Data Analysis:

- Proactively work with senior management to ensure data projects accomplish public health objectives.
- Provide statistical support for research studies and public health programs.
- Develop and implement appropriate analytic resources, including a suitable database, a statistics package, and data visualization tools.
- Develop, maintain, and manage databases to produce necessary reports .
- Investigate new technology applications for public health programming and disease surveillance.
- Assists with grant writing, particularly related to studies of an investigational nature.

#### Data Visualization:

- Develop clear and impactful data visualizations and maps to communicate epidemiological findings effectively for various stakeholders.
- Communicate complex epidemiological information in a visually accessible manner.
- Provide technical assistance and support to staff in data visualization, including community health assessment and community health improvement plan reporting cycles.

#### NCW Epi Consortium Support

- Primary epidemiologist for Okanogan County, as well as CDHD.
- Develop and implement active and passive disease surveillance systems for chronic and communicable diseases in collaboration with the NCW Epi Consortium.
- In collaboration with other epidemiologists, coordinate local and regional health research projects on emerging issues.
- Prepare critical topical reports to document current health status, identify trends, magnitude and disparities in the population, and identify emerging concerns.
- Work with NCW Epi Consortium in developing and maintaining databases, report writing, and presentations that guide decision-making, portfolio construction, and evaluation.
- Supports NCW Epi Consortium and Washington Department of Health in development of multiagency databases that include both population and clinical data.
- Identifies and proposes health policies and/or corrective action(s) to environmental and/or

social conditions resulting in adverse health outcomes, e.g. social determinants of health, health inequity issues.

- Support Community Health Assessment (CHA) work with the NCW Epi Consortium and contribute to the design and analysis of regional community health assessments.
- Support outbreak investigations in coordination with the NCW Epi Consortium, and Washington Department of Health.
- Work with partners to identify opportunities for developing new and shared data sources, including developing surveys and other data-collection instruments.
- Work with partners to develop appropriate infrastructure for data storage and maintenance, ensuring appropriate security.

#### **Knowledge/Skills/Abilities:**

- Strong familiarity with the principles of data management and data analysis, including demonstrated skill in planning and interpreting analyses.
- Ability to present information and data in effective, engaging ways, both in-person and via digital media.
- Capacity to work effectively with qualitative data, including unstructured stories and other non-traditional data sources.
- Capacity for high-level strategic thinking and the ability to collaborate with Public Health leaders in developing and executing plans.
- Strong analytical skills, with an ability to troubleshoot, problem-solve and effectively and efficiently make decisions.
- Strong communication skills with external and internal personnel.
- Able to be effective in a wide range of cultural groups and cross-cultural relationships and have the ability to communicate clearly.
- Strong organizational, time management and project management skills. Ability to manage multiple and varied tasks in a fast-paced, high-volume regulated environment, highly proficient organizational skills and keen attention to detail.
- Excels at working within a team. Patient and objective in difficult situations with different types of people. Able to influence others to get "onboard" with public health initiatives. Must be sensitive to public health needs as well as colleagues and other internal personnel.

#### **Level Requirements (Minimum):**

##### Education

- Master's Degree in Epidemiology, Biostatistics, or Public Health in a closely related field. (Master's level work in Health Informatics and/or clinical research would be a plus.)

##### Experience:

- Minimum of 5 years of experience in epidemiology, biostatistics, or a relevant field.
- Demonstrated professional proficiency in statistical packages, including R, Stata, and SPSS.
- Proficiency with coding languages in R, Python, or other relevant coding languages
- Strong skills in GIS mapping and analysis.
- Excellent data visualization skills using tools such as Excel, Power BI, Tableau or similar.
- Experience with syndromic surveillance and outbreak modeling.

**Physical Requirements:**

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job:

- Visually or otherwise, identify, observe and assess distance, color and depth, required to regularly communicate with others and exchange accurate information.
- Able to operate a computer and other office productivity equipment; able to remain stationary at a computer for extended periods and move around their assigned workspace.
- Frequently move up to 25 pounds and occasionally move up to 50 pounds.
- Will be required to travel within North Central Washington and may be based in Okanogan or Chelan-Douglas Counties. Travel may be needed up to 50% of the time depending on duty station.
- PPE for this position includes facemask when respiratory illness rates require it.

*This Job Description is not intended to describe, in detail, the multitude of tasks that may be assigned but rather to give you a general sense of the responsibilities and expectations of what this position requires. As the nature of business demands change, so may the essential functions of this position.*