# Data Analyst

<table>
<thead>
<tr>
<th>Req #:</th>
<th>199816</th>
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<tbody>
<tr>
<td>Department:</td>
<td>INSTITUTE FOR HEALTH METRICS AND EVALUATION</td>
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<tr>
<td>Job Location Detail:</td>
<td>Office in located in Seattle; position is eligible to work fully remote within the U.S. (excluding U.S. territories)</td>
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<tr>
<td>Posting Date:</td>
<td>01/03/2022</td>
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<tr>
<td>Closing Info:</td>
<td>Open Until Filled</td>
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<tr>
<td>Salary:</td>
<td>Salary is commensurate with experience and education</td>
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<tr>
<td>Union Position:</td>
<td>Yes</td>
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<tr>
<td>Shift:</td>
<td>First Shift</td>
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<tr>
<td>Notes:</td>
<td>As a UW employee, you will enjoy generous benefits and work/life programs. For a complete description of our benefits for this position, please visit our website, <a href="#">click here</a>.</td>
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As a UW employee, you have a unique opportunity to change lives on our campuses, in our state and around the world. UW employees offer their boundless energy, creative problem solving skills and dedication to build stronger minds and a healthier world.

UW faculty and staff also enjoy outstanding benefits, professional growth opportunities and unique resources in an environment noted for diversity, intellectual excitement, artistic pursuits and natural beauty.

The Institute for Health Metrics and Evaluation (IHME) is an independent research center at the University of Washington. Its mission is to deliver to the world timely, relevant, and scientifically valid evidence to improve health policy and practice. IHME carries out its mission through a range of projects within different research areas including the Global Burden of Diseases, Injuries, and Risk Factors; Future Health Scenarios; Cost Effectiveness and Efficiency; Resource Tracking; and Impact Evaluations. Our vision is to provide policymakers, donors, and researchers with the highest-quality quantitative evidence base so all people live long lives in full health.

IHME is committed to providing the evidence base necessary to help solve the world's most important health problems. This requires creativity and innovation, which are cultivated by an inclusive, diverse, and equitable environment that respects and appreciates differences, embraces collaboration, and invites the voices of all IHME team members.
IHME has an exciting opportunity for a Data Analyst on the Causes of Death, Shocks, Intermediate Causes, and Antimicrobial Resistance team, supporting the Global Burden of Diseases, Injuries, and Risk Factors enterprise (GBD). A systematic, scientific effort to quantify the comparative magnitude of health loss due to diseases, injuries, and risk factors by age, sex, and geography over time, the GBD is the largest and most comprehensive effort to date to measure epidemiological levels and trends worldwide. The GBD's aim is to provide policymakers, donors, and researchers with the highest-quality quantitative evidence base to make decisions that achieve better health.

This position will work with a dynamic team of faculty and staff at all levels on the Causes of Death, Shocks, Intermediate Causes, and Antimicrobial Resistance (AMR) team. The Causes of Death team maximizes the utility of all medically verifiable forms of causes of death data, systematically compiling it into one comparable, comprehensive, and granular database that gives the best available picture of causes of death trends. In addition to causes of death data prep, this team estimates a subset of causes known as shocks, which are events that are stochastic in nature and cannot be modeled because they do not have a predictable time trend. The AMR project generates accurate and timely estimates of the magnitude and trends in antimicrobial resistance (AMR) burden across the world, which can be used to inform treatment guidelines and agendas for decision-making and research, detect emerging problems, and monitor trends to inform global strategies, as well as facilitate the assessment of interventions over time.

The main purpose of the Data Analyst position is to provide support to key research projects through database management, data quality management, computational support to multidisciplinary research projects, data extraction and formatting, and providing key inputs for papers and presentations. Data Analysts are tasked with developing an understanding of different research needs and analytic functions across multiple projects to best meet researcher needs. We are looking for an individual who is able to independently translate requests into actionable results through interactions with research databases, formulation of displays of results, and development of complex code to be applied to a variety of quantitative data.

The role calls for dexterity in working with complex databases and the ability to assess, transform, and quality control results, and utilize quantitative data using multiple coding languages such (Python, R, SQL) to ensure that other team members have exactly what they need to incorporate the data and results into their own components of the analytic process, presentations, and papers. Additionally, this position will work alongside other Data Analysts on complementary projects and will require knowledge and skill sharing and collective problem solving. Overall, the Data Analyst will be a critical member of an agile, dynamic research team. This position is contingent upon project funding availability.

RESPONSIBILITIES:

**Research command**
- Become familiar with substantive areas of expertise to understand the dimensions and uses of health data and the analytic underpinnings of different research streams.
- Work directly with researchers to identify the source of data used in models and results, understand the context of the data, and ensure that they are relevant to the analyses themselves.
- Create and document efficient, effective, and replicable methods for extracting data, developing code, organizing data sources, managing data quality, and explaining complex analytic processes.

**Data management and analytics**
- Problem-solve computational and analytic challenges by investigating the data, understanding the root questions, and coming up with alternative measurement strategies.
- Implement code solutions in order to answer analytic questions, perform diagnostics on results, and test
and assess new methods.

- Maintain, update, and adapt databases containing health data from multiple sources such as surveys, vital registration systems, administrative records, and published studies relevant to demographic estimation.
- Maintain, update, and carry out routine but complex computational processes and statistical modeling that are central to generating estimates of key indicators.
- Execute queries on databases and resolve intricate questions in order to respond to the needs of senior researchers and external requests from collaborators, media, policymakers, donors, and other stakeholders.
- Bring together data, analytic engines, and data visualizations in one seamless computational process.
- Use protocols to identify problems with datasets and routine computational processes, rectify issues, and systematize data for future analyses.
- Transform and format datasets for use in ongoing analyses. Catalog and incorporate these datasets into databases. Perform quality checks.

**General**

- Create tables, figures, and charts for presentations and publications.
- Provide referencing and other support for publications and presentations.
- Communicate clearly and effectively while contributing as a member of the Institute.
- Work closely with other team members to assist with relevant tasks, facilitate learning new skills, and help resolve emerging problems on different projects.
- Participate in overall community of the Institute, carrying out duties as required as team members with other Institute members.

**MINIMUM:**

- Bachelor's degree in social sciences, engineering, computer science, or related field plus two years' related experience, or equivalent combination of education and experience. As a rule, a bachelor's degree is equivalent to 4 years' experience.

**Equivalent education/experience will substitute for all minimum qualifications except when there are legal requirements, such as a license/certification/registration.**

**ADDITIONAL:**

- Demonstrated success in developing code in Python or R.
- Deep interest in global health, population health, and/or ways in which quantitative research and data science can be used to create valuable global public goods.
- Demonstrated self-motivation, ability to absorb detailed information, flexibility, and ability to thrive in a fast-paced, energetic, highly creative, and collaborative environment.
- Ability to learn new information quickly and to apply analytic skills to better understand complex information in a systematic way.
- Strong quantitative aptitude.
- A commitment to working to alongside others at IHME to illuminate the health impacts of systemic racism and to work within IHME to make our organization more diverse and inclusive. See IHME’s DEI statement here: [http://www.healthdata.org/get-involved/careers/dei](http://www.healthdata.org/get-involved/careers/dei).

**DESIRED:**

- Demonstrated success in developing code in SQL or other coding languages.
- Demonstrated ability in using databases with large-scale, complex datasets.
- Adept diplomacy and exemplary interpersonal skills required. Must be agile at forming respectful and
rewarding relationships with people with different levels of experience and expertise from a variety of cultural, linguistic, and professional settings.
• Strong organizational skills and the ability to successfully manage multiple tasks and priorities to meet established and changing deadlines.

**WORKING CONDITIONS:**

• Weekend and evening work sometimes required.
• This position is open to anyone authorized to work in the US. The UW is not able to sponsor visas for staff positions.
• The University of Washington requires students and personnel to be vaccinated against COVID-19. Under state regulations, individuals who are not fully vaccinated are required to wear masks while in all UW buildings and facilities. To learn more about the requirements, please review the following: [https://www.washington.edu/coronavirus/vaccination-requirement/](https://www.washington.edu/coronavirus/vaccination-requirement/)
• Office is located in Seattle, Washington. This position is eligible to work fully remote in the US.

**Application Process:**

The application process for UW positions may include completion of a variety of online assessments to obtain additional information that will be used in the evaluation process. These assessments may include Workforce Authorization, Cover Letter and/or others. Any assessments that you need to complete will appear on your screen as soon as you select "Apply to this position". Once you begin an assessment, it must be completed at that time; if you do not complete the assessment you will be prompted to do so the next time you access your "My Jobs" page. If you select to take it later, it will appear on your "My Jobs" page to take when you are ready. **Please note that your application will not be reviewed, and you will not be considered for this position until all required assessments have been completed.**

Applicants considered for this position will be required to disclose if they are the subject of any substantiated findings or current investigations related to sexual misconduct at their current employment and past employment. Disclosure is required under [Washington state law](https://www.washington.edu/coronavirus/vaccination-requirement/).
Committed to attracting and retaining a diverse staff, the University of Washington will honor your experiences, perspectives and unique identity. Together, our community strives to create and maintain working and learning environments that are inclusive, equitable and welcoming.

The University of Washington is a leader in environmental stewardship & sustainability, and committed to becoming climate neutral.

The University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, gender expression, national origin, age, protected veteran or disabled status, or genetic information.

To request disability accommodation in the application process, contact the Disability Services Office at 206-543-6450 or dso@uw.edu.

COVID-19 VACCINATION REQUIREMENT

Governor Inslee's Proclamation 21-14.2 requires employees of higher education and healthcare institutions to be fully vaccinated against COVID-19 unless a medical or religious exemption is approved. Being fully vaccinated means that an individual is at least two weeks past their final dose of an authorized COVID-19 vaccine regimen. As a condition of employment, newly hired employees will be required to provide proof of their COVID-19 vaccination. View the Final candidate guide to COVID-19 vaccination requirement webpage for information about the medical or religious exemption process for final candidates.

Apply for this job