# RESEARCHER

<table>
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<tr>
<th>Req #</th>
<th>191863</th>
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<tbody>
<tr>
<td>Department</td>
<td>INSTITUTE FOR HEALTH METRICS AND EVALUATION</td>
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<tr>
<td>Posting Date</td>
<td>06/16/2021</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 education and experience</td>
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<tr>
<td>Union Position</td>
<td>Yes</td>
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<td>Shift</td>
<td>First Shift</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 is 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 outstanding opportunity for a Researcher to join our Future Health Scenarios team to explore trends in exposure to risk factors, with a key focus on smoking and its relationship to other key non-communicable disease (NCD) risk factors such as alcohol use and obesity.** We are looking for someone ready to advance in their career in global health research. IHME researchers analyze and produce key estimates for their assigned research team and will assess all available quantitative data – including those on causes of death, epidemiology, and a range of determinants such as education and income – from surveys,
vital registration, censuses, literature, registries, and administrative records. Using established modeling tools and through creation of novel code, researchers incorporate all relevant data to produce the most up-to-date and scientifically credible results.

The Future Health Scenarios team forecasts GBD inputs and results (burden of more than 350 diseases and injuries and more than 80 risk factors for all GBD geographic locations) to provide policymakers, donors, researchers and the general public with the highest-quality future estimates to make decisions that improve health.

You will be integrally involved in producing, critiquing, improving, and disseminating results. You already have a command of epidemiology, statistics, disease modeling, or related interests and we will help you develop an understanding of our core research and methodology. Our researchers work with senior research leads and external collaborators and take part in intellectual exchange about how to improve upon and disseminate the results.

You are expected to interact successfully with a wide range of partners and to describe complex concepts and materials concisely. Overall, Researchers are critical members of agile, dynamic research teams. This position is contingent on project funding availability.

**Responsibilities:**
- Develop a core understanding of Future Health Scenarios and Tobacco Metrics research area methodology and their components.
- Under the guidance of experienced scientist and/or faculty, carry out quantitative analyses and statistical modeling to produce results for the future health scenarios team for key NCD risk factors designated on a given timeline as part of collaborative research projects.
- Review, assess, and improve results and methods and contribute substantively to the development of new methods.
- Apply computational and statistical tools and algorithms for the preprocessing, analysis, and visualization of source data and results.
- Document code and analytic approaches systematically so that analyses can be replicated by other team members.
- Write, test, and use relevant computer code (in R and Python).
- Lead discussion in research meetings about results and analyses to vet, improve, and finalize results.
- Contribute to the creation of presentations, manuscripts, and funding proposals. Co-author paper(s).
- Maintain scientific awareness and intellectual agility with data, methods, and analytic techniques.
- Other duties as assigned that fall within reasonable scope of research team.

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, [click here](#).

**REQUIREMENTS**

- Master's degree in public health, health metrics science, epidemiology, statistics, biostatistics, math, economics, quantitative social sciences or related discipline plus 1 year related experience or equivalent combination of education and experience.

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

**Additional Requirements:**
• Proven interest and experience in a given disease, risk, key indicator, methodological area, and the related data sources and scientific underpinnings.
• A deep understanding of the Comparative Risk Assessment framework, analytical techniques and modeling tools used in the Global Burden of Disease Study for the production of estimates of the prevalence and attributable burden of NCD risk factors.
• Advanced coding skills in R and Python with expertise in one of the two and proficiency in the other, and a strong willingness to become an expert in both coding languages.
• Experience working with multiple types of data sources (household surveys, administrative data, supply-side data, etc.) and demonstrated ability to synthesize data and correct for known biases.
• Demonstrated interest in NCD risk factors, particularly smoking.
• Strong analytic, critical thinking, and quantitative skills.
• Ability to professionally and effectively communicate and work with other staff at all levels in order to achieve team goals for the analyses and related outputs.
• Results- and detail-oriented individual that can initiate and complete tasks under tight deadlines and changing priorities both independently and in a team environment. Flexibility with hours and workload is key.
• Excellent communication skills, both oral and written.
• Ability to work both independently and in collaboration with a team.
• A long-term interest in a research position contributing to the overall mission of our research.

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

DESIRED

• Track record of success in co-authorship on scientific papers, presenting results, and representing research at meetings.
• Knowledge of machine learning, time series, data mining, and analytic techniques.

CONDITIONS OF EMPLOYMENT

• Weekend and evening work sometimes required.
• This position is open to anyone authorized to work in the U.S. The UW is not able to sponsor visas for staff positions.
• Office is located in Seattle, Washington. This position is eligible to work fully remote in the U.S.; work schedule required to overlap 50% of IHME office hours, between 8 a.m. and 6 p.m. Pacific Time.

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.

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.

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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.

Apply for this job