Mathematical Modeller

Public Health England

Colindale, UK

38,975 - £45,769

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Public Health England (PHE) is an executive agency of the Department of Health and Social Care providing; strategic leadership, research, advice and support for Government, local authorities and the NHS in protecting and improving the nation’s health.

Please note that if the pay scheme is listed as 'Other', the post advertised will be subject to Public Health England Civil Service Terms and Conditions of employment unless otherwise stated.

IMPORTANT - PLEASE READ
This is a Non Reserved post under the Civil Service Nationality Rules and is therefore open to UK, Commonwealth and European Economic Area (EEA) Nationals and certain non EEA members. For more information please refer to the supporting documents detailing the Civil Service Nationality Rules.

For posts on Public Health England Civil Service terms and conditions, on appointment the salary is normally the minimum point (see salary range above). This will be dependent on the successful candidate’s current salary and terms and/or equivalent experience. The Civil Service pay structure and progression is different from NHS Agenda for Change, most local authority pay grades and other systems which have annual pay increments. Salary increases are awarded based on performance assessed through the annual appraisal cycle. Please see attached an information sheet explaining starting salaries and benefits when joining PHE.

For any moves across the Civil Service may have implications on your ability to carry on claiming childcare vouchers.

PHE is bringing together its national scientific laboratories and headquarters to create one of the world’s leading centres for public health science in Harlow, Essex, in the heart of the London and Cambridge life sciences corridor. Between 2021 and 2024 all posts based at the Porton, Colindale, Skipton and Wellington House sites (except positions in Centres & Regions) will move to PHE Harlow as part of this major development. For more information please search ‘PHE Harlow collection’.
An exciting opportunity has arisen for a mathematical modeller to develop innovative models exploring the dynamics of healthcare associated infections and antimicrobial resistant (AMR) organisms, and to use these models to evaluate control strategies in order to inform policy in this high priority area.

There are few public health issues currently of greater importance than antimicrobial resistance in terms of impact on the health of society. Recently antibiotic resistance was added to the government’s national risk register of civil emergencies, while the World Health Organization has stated that resistance to antibiotics could bring “the end of modern medicine as we know it”.

This post will contribute to the innovative research required to identify and rigorously evaluate solutions to reduce such infections. The research conducted by the post-holder will improve our understanding of the epidemiology of healthcare associated infections and AMR organisms, their transmission and control in hospital and community populations. The research is expected to provide practical and clinically relevant insights to directly inform national policy.

The post-holder will gain valuable experience working closely with clinicians, epidemiologists and microbiologists as well as modellers, economists, statisticians and bioinformaticians, both at PHE and collaborating institutions.

This post provides an ideal opportunity to gain experience in infectious disease research to inform policy. Public Health England’s National Infection Service in Colindale, NW London, is an internationally-renowned centre of excellence for expertise, reference and research, surveillance and epidemiology in relation to human health. It is an excellent place to conduct public health research that can help shape policy both nationally and internationally.

Option 3 – External

Open to all external applicants (anyone) from outside the Civil Service (including by definition internal applicants).

Appointment to this post is on PHE terms and conditions of service. Only previous continuous service in the Civil Service is recognised for contractual purposes.

For further details contact: Dr. Julie Robotham (julie.robotham@phe.gov.uk).

As an applicant for this role, you are urged to demonstrate within your supporting statement a combination of evidence that reflects your competence to meet the job specification and provide examples of how the PHE Charter is an integral part of the way you have and will continue to deliver a service.

The Civil Service (CS) embraces diversity and promotes equality of opportunity. We recruit by merit on the basis of fair and open competition, as outlined in the CS Commission's recruitment principles (attached as a supporting document). PHE is a disability confident employer and is committed to inclusion and diversity. We welcome applications from people with a disability or long term health condition.

The law requires that selection for appointment to the CS is on merit on the basis of fair and open competition as outlined in the CS Commission’s Recruitment Principles.
If you feel your application has not been treated in accordance with the Recruitment Principles, and you wish to make a complaint, you should contact PHE recruitment team in the first instance. If you are not satisfied with the response you receive from PHE, you can contact the CS Commission.

After applying via NHS Jobs, your submitted application may be imported into our preferred third party recruitment system. If imported, all subsequent information regarding your application will be generated from apps.trac.jobs. You will not be able to track the progress of your application or receive messages through the NHS Jobs website, and furthermore, that as an employer, we will not be able to respond to any e-mails sent to us via the NHS Jobs website. By applying for this post you are agreeing to Public Health England transferring the information to its preferred applicant management system. Please note, all communication regarding your application will be made via email, please ensure you check your junk/spam folders.

Interview expenses will not be reimbursed.

For more information please go to the PHE website.

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