



Job Description

Nuffield Department of Primary Care Health Sciences

Job title	Medical Statistician
Division	Medical Sciences
Department	Nuffield Department of Primary Care Health Sciences
Location	Radcliffe Primary Care Building, Radcliffe Observatory Quarter, Woodstock Road, Oxford, OX2 6GG
Grade and salary	Grade 7: £32,817 - £40,322 per annum <i>Grade 6 (£29,176 – £34,804 per annum) may be considered with an appropriate adjustment in duties</i>
Hours	Full time
Contract type	Fixed-term (18 months)
Reporting to	Thomas Fanshawe (Senior Medical Statistician) and Constantinos Koshiaris (Medical Statistician)
Vacancy reference	BZ20049 (HRIS No. 146979)
Funding partner	The funds supporting this research project are provided by the National Institute for Health Research and the Wellcome Trust
Additional information	Where we are unable to appoint at Grade 7, an appointment at Grade 6 may be considered for an appropriately qualified candidate.

The role

The Statistics Group in the Nuffield Department of Primary Care Health Sciences is looking to appoint a medical statistician to work on a range of projects in diagnostic healthcare research. They will join the collaborative team working on the CONDOR project (<https://www.condor-platform.org>), a newly-established national diagnostic platform to assess diagnostic tests for COVID-19 in real-world settings such as GP surgeries and care homes. They will also provide statistical support for other projects carried out within the NIHR Community Healthcare MedTech and In Vitro Diagnostics Co-operative (MIC) (www.community.healthcare.mic.nihr.ac.uk) to improve the evidence base for new diagnostics used in primary care.

The post-holder will also work as part of the team aiming to create and validate a prediction model for the early and accurate recognition of febrile children at risk of progressing to severe disease in resource limited settings (Spot Sepsis). This is part of an international collaboration with data collection taking place since 2019 in Bangladesh, Cambodia, Indonesia, Laos, The



Philippines, and Vietnam. This work is jointly funded by the Wellcome Trust and MSF (Doctors without Borders).

The successful candidate will be responsible for the analysis of datasets arising from these research projects, as well as providing wider support through writing analysis plans, preparing and presenting analysis reports, and offering advice for the design of new projects as they arise. They should be able to demonstrate familiarity with a range of statistical methods, and experience of working with methods for diagnostic and prognostic research would be advantageous.

The post holder will have the opportunity to collaborate with other members of the Statistics Group, comprising more than 20 statisticians and epidemiologists, and to develop their own research ideas. They will also contribute towards the broader activities of the Statistics Group, for example to support the postgraduate teaching programme in Evidence-Based Health Care.

Responsibilities

- To conduct statistical analysis to support the CONDOR platform, projects carried out by the NIHR MIC, and Spot Sepsis
- To identify appropriate statistical methods and develop an understanding of relevant research literature
- To assist with the writing of statistical analysis plans and scientific papers
- To provide statistical advice and liaise with other project members as part of a collaborative team
- To present research findings at conferences and research meetings
- To plan and manage own academic work so as to ensure timely completion of projects
- To develop new research ideas for generating future research income
- To support the senior statistician in the smooth running of the Statistics Group, including assisting in teaching activities and undertaking an appropriate share of any administrative duties that may arise

Pre-employment screening

All offers of employment are made subject to standard pre-employment screening, as applicable to the post.

If you are offered the post, you will be asked to provide proof of your right-to-work, your identity, and we will contact the referees you have nominated. You will also be asked to complete a health declaration (so that you can tell us about any health conditions or disabilities so that we can discuss appropriate adjustments with you), and a declaration of any unspent criminal convictions.

We advise all applicants to read the candidate notes on the University's pre-employment screening procedures, found at: www.ox.ac.uk/about/jobs/preemploymentscreening/.

Selection criteria

Essential selection criteria

- Hold a PhD/DPhil (or be close to completion) in Statistics or a related subject (*for a grade 6 underfill: hold an MSc (or be close to completion) in Statistics or a related subject*)
- Experience of writing and contributing data analysis for scientific publication
- Ability to develop ideas for new research projects and research income generation
- Statistical programming skills using software such as R or Stata
- Familiarity with a range of statistical modelling methods, including those suitable for diagnostic and prognostic research

- Ability to plan and manage own academic research, and work to deadlines efficiently as part of a multi-disciplinary team
- Excellent communication skills for presenting research findings and proposals

Desirable selection criteria

- Experience of research projects requiring diagnostic and prognostic statistical methods
- Evidence of previous contribution to applications for research funding
- Experience teaching medical statistics or statistics for evidence-based health

About the University of Oxford

Welcome to the University of Oxford. We aim to lead the world in research and education for the benefit of society both in the UK and globally. Oxford's researchers engage with academic, commercial and cultural partners across the world to stimulate high-quality research and enable innovation through a broad range of social, policy and economic impacts.

We believe our strengths lie both in empowering individuals and teams to address fundamental questions of global significance, while providing all our staff with a welcoming and inclusive workplace that enables everyone to develop and do their best work. Recognising that diversity is our strength, vital for innovation and creativity, we aspire to build a truly diverse community which values and respects every individual's unique contribution.

While we have long traditions of scholarship, we are also forward-looking, creative and cutting-edge. Oxford is one of Europe's most entrepreneurial universities. Income from external research contracts in 2016/17 exceeded £564m and we rank first in the UK for university spin-outs, with more than 130 companies created to date. We are also recognised as leaders in support for social enterprise.

Join us and you will find a unique, democratic and international community, a great range of staff benefits and access to a vibrant array of cultural activities in the beautiful city of Oxford.

For more information please visit www.ox.ac.uk/about/organisation

Nuffield Department of Primary Care Health Science

The top ranked centre for academic primary care in the UK, we lead world-class research and training to rethink the way healthcare is delivered in general practice and other primary care settings, both across the UK and globally. Integrating evidence and innovation, our main research focus is on the prevention, early diagnosis and management of common illness.

Our research is led by internationally renowned scientists; many of whom are practising GPs, but we also have academics from a range of non-medical disciplines including the social sciences and humanities. We cover the broad range of issues that you might expect to consult your GP about including cardiovascular and metabolic disease, infectious diseases and childhood illness, diet, smoking and cancer. We also focus on understanding and improving the experiences of patients, utilising big data, developing digital health interventions and working internationally. We have methodological expertise in clinical decision making and diagnostics, clinical epidemiology, medical statistics, modelling, qualitative research and the wider application of social science theory and methods to address practical and theoretical challenges in health and care settings. We also have a dedicated in-house Primary Care Clinical Trials Unit.

The department was established in October 1998 (as the Department of Primary Health Care) with the appointment of a foundation chair in general practice. We provide a strong multi-disciplinary training environment, a full programme of academic support and good IT facilities. Our ability to collaborate with other epidemiological and community-based research groups across the University and with GP surgeries locally and nationally enables us to utilise a broad range of relevant expertise into our teaching and research.

The department has recently developed a new stream of clinical research which seeks to improve the conceptual understanding and use of monitoring in a number of chronic diseases. We have an international reputation for developing research methodologies to ensure that research findings have a positive impact on clinical practice.

We are home to the Oxford Centre for Evidence-Based Medicine; the international Cochrane Tobacco Addiction Group which collates and summarises research evidence from across the world to underpin governmental health policies on smoking; the Interdisciplinary Research in Health Sciences research group (which uses both quantitative and qualitative methods to examine the human, organisational and societal issues relating to the delivery of healthcare and the improvement of health services) and the Health Experiences Research Group (HERG), which undertakes qualitative research into the patient experience including the Healthtalk research programme www.healthtalkonline.org through a close working experience with the charity DIPEX. The Department is a founding member of the National Institute for Health Research (NIHR) School of Primary Care Research, houses both the NIHR Collaboration for Leadership in Applied Health Research and Care Oxford and the NIHR Community Healthcare MedTech and In Vitro Diagnostics Co-operative, and leads 3 Themes of the Oxford BRC.

The Nuffield Department of Primary Care Health Sciences holds a departmental Silver Athena SWAN award to recognise advancement of gender equality: representation, progression and success for all.

Our staff are mostly located in the superbly renovated Grade II listed Radcliffe Primary Care Building on the Radcliffe Observatory Quarter (ROQ), the University's most prestigious development site for a generation, and close to the city centre (see <http://www.ox.ac.uk/roq/> for more information). Some staff are located nearby in the Gibson Building at the ROQ and some clinical teachers are based at the Old Road Campus.

Car parking is very restricted at both sites with only a small percentage of staff being granted an annual parking permit. Bus Pass, Train Pass, bicycle loans and Season Ticket Loan Schemes are all in operation for staff.

For more information on the department please visit: <http://www.phc.ox.ac.uk>

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Medical Sciences Division

The Medical Sciences Division is an internationally recognised centre of excellence for biomedical and clinical research and teaching. We are the largest academic division in the University of Oxford.

World-leading programmes, housed in state-of-the-art facilities cover the full range of scientific endeavour from the molecule to the population. With our NHS partners we also foster the highest possible standards in patient care.

For more information please visit: <http://www.medsci.ox.ac.uk/>

How to apply

Before submitting an application, you may find it helpful to read the 'Tips on applying for a job at the University of Oxford' document, at www.ox.ac.uk/about/jobs/supportandtechnical/

If you would like to apply, click on the **Apply Now** button on the 'Job Details' page and follow the on-screen instructions to register as a new user or log-in if you have applied previously.

When prompted, please provide details of two referees and indicate whether we can contact them at this stage.

You are also required to upload a CV and supporting statement. The supporting statement should explain how you meet the selection criteria for the post using examples of your skills and experience. This may include experience gained in employment, education, or during career breaks (such as time out to care for dependants).

Your application will be judged solely on the basis of how you demonstrate that you meet the selection criteria stated in the job description.

Please upload all documents **as PDF files** with your name and the document type in the filename.

If you are applying for a research post and you have had periods of working part-time, please indicate this on your CV or in your supporting statement. This will ensure that any outputs such as publications are fairly judged when considered alongside the expected outputs of full-time workers.

Where posts are advertised full-time, we **may** be able to consider part-time working or job share arrangements depending on the requirements of the role. If you want to work part-time and this option is not expressly stated in the advert or job information, please email hr@phc.ox.ac.uk to enquire whether the role you are applying for might be available on a part-time basis.

All applications must be received by **midday** on the closing date stated in the online advertisement. Late applications will not be considered.

Incomplete applications will not be considered.

Only in exceptional circumstances and with prior agreement can we consider applications submitted via methods other than the on-line recruitment system.

Please note that you will be notified of the progress of your application by automatic e-mails from our e-recruitment system. **Please check your spam/junk mail** regularly to ensure that you receive all e-mails. **We contact all candidates, whether shortlisted for interview or not, so if you have not heard from us, please check your spam/junk folder and then contact us if you have not received a response.**

Information for priority candidates
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A priority candidate is a University employee who is seeking redeployment because they have been advised that they are at risk of redundancy, or on grounds of ill-health/disability. Priority candidates are issued with a redeployment letter by their employing departments.

If you are a priority candidate, please ensure that you attach your redeployment letter to your application (or email it to the contact address on the advert if the application form used for the vacancy does not allow attachments)

Should you experience any difficulties using the online application system, please email recruitment.support@admin.ox.ac.uk. Further help and support is available from [www.ox.ac.uk/about the university/jobs/support/](http://www.ox.ac.uk/about_the_university/jobs/support/). To return to the online application at any stage, please go to: www.recruit.ox.ac.uk.

Please note that you will be notified of the progress of your application by automatic emails from our e-recruitment system. **Please check your spam/junk mail** regularly to ensure that you receive all emails.

Important information for candidates

Data Privacy

Please note that any personal data submitted to the University as part of the job application process will be processed in accordance with the GDPR and related UK data protection legislation. For further information, please see the University's Privacy Notice for Job Applicants at: www.admin.ox.ac.uk/councilsec/compliance/gdpr/privacynotices/job/. The University's Policy on Data Protection is available at: www.admin.ox.ac.uk/councilsec/compliance/gdpr/universitypolicyondataprotection/.

The University's policy on retirement

The University operates an Employer Justified Retirement Age (EJRA) for all academic posts and some academic-related posts. From 1 October 2017, the University has adopted an EJRA of 30 September before the 69th birthday for all academic and academic-related staff in posts at **grade 8 and above**. The justification for this is explained at: www.admin.ox.ac.uk/personnel/end/retirement/acrelretire8+/.

For **existing** employees, any employment beyond the retirement age is subject to approval through the procedures: www.admin.ox.ac.uk/personnel/end/retirement/acrelretire8+/.

There is no normal or fixed age at which staff in posts at **grades 1–7** have to retire. Staff at these grades may elect to retire in accordance with the rules of the applicable pension scheme, as may be amended from time to time.

Equality of Opportunity

Entry into employment with the University and progression within employment will be determined only by personal merit and the application of criteria which are related to the duties of each particular post and the relevant salary structure. In all cases, ability to perform the job will be the primary consideration. No applicant or member of staff shall be discriminated against because of age, disability, gender reassignment, marriage or civil partnership, pregnancy or maternity, race, religion or belief, sex, or sexual orientation.

Benefits of working at the University

University Club and sports facilities

Membership of the University Club is free for all University staff. The University Club provides social, sporting and hospitality facilities. Staff can also use the University Sports Centre on Iffley Road at discounted rates, including a fitness centre, powerlifting room, and swimming pool. See www.club.ox.ac.uk and www.sport.ox.ac.uk/oxford-university-sports-facilities.

Information for international staff

The University offers support and advice to international staff, including a visa loan scheme to cover the costs of UK visa applications for staff and their dependents. See www.admin.ox.ac.uk/personnel/permits/reimburse&loanscheme/.

Information for staff new to Oxford

If you are relocating to Oxfordshire from overseas or elsewhere in the UK, the University's Welcome Service website includes practical information about settling in the area, including advice on relocation, accommodation and local schools. See www.welcome.ox.ac.uk.

The University of Oxford Newcomers' Club

The University of Oxford Newcomers' Club is an organisation run by volunteers that aims to assist the partners of new staff to settle into Oxford and to provide them with an opportunity to meet people in the area. See www.newcomers.ox.ac.uk.

Childcare

The University has excellent childcare services with five University nurseries, as well as University-supported places at many other private nurseries. For full details including how to apply and the costs, see www.admin.ox.ac.uk/childcare.

Family-friendly benefits

The University subscribes to My Family Care service through which staff are eligible to register for emergency back-up childcare and adultcare services, a 'speak to an expert' advice service and a wide range of guides and webinars through a website called the Work+Family space. See: www.admin.ox.ac.uk/personnel/staffinfo/benefits/family/mfc/.

Disabled staff

We are committed to supporting members of staff with disabilities or long-term health conditions. For further details, including information about how to make contact, in confidence, with the University's Staff Disability Advisor, see www.admin.ox.ac.uk/eop/disab/staff.

Staff networks

The University has a number of staff networks including the Oxford Research Staff Society, BME staff network, LGBT+ staff network and a disabled staff network. You can find more information at www.admin.ox.ac.uk/eop/inpractice/networks/.

Additional benefits

Staff can enjoy a range of other benefits and discounts, including free entry to the Botanic Gardens and University colleges, and discounts at University museums. See www.admin.ox.ac.uk/personnel/staffinfo/benefits.