



## Job Description

<b>Job title</b>	Researcher in Economics
<b>Division</b>	Medical Sciences
<b>Department</b>	Primary Care Health Sciences
<b>Location</b>	Radcliffe Observatory Quarter, Woodstock Road, Oxford, OX2 6GG
<b>Grade and salary</b>	Grade 6: £29,176 – £30,942 per annum
<b>Hours</b>	Full time; Part time (minimum 30 hours) will be considered
<b>Contract type</b>	2 years in the first instance
<b>Reporting to</b>	Catia Nicodemo, Senior Research Fellow in Health Economics
<b>Vacancy reference</b>	BZ20040 (HRIS No. 146531)
<b>Research topic</b>	Health Economics
<b>Principal Investigator / supervisor</b>	Catia Nicodemo
<b>Project team</b>	CHSEO

### The role

Following the recently awarded ESRC-SDAI research grant on ‘Maternal depression and anxiety disorders and child mental health outcomes,’ we are looking to recruit a researcher to work at the interface between health economics and data science. The successful applicant will collaborate with a team of senior academics in the production of research outputs with a focus on the transmission of mental depression and anxiety disorders from mothers to children. The research will be mainly empirical and based on a novel administrative dataset covering general practices and hospitals (QResearch and Hospital Episode Statistics).

We are seeking an experienced economist with a strong background in analysis of large data sets and modelling. Responsibilities will include analysis of appropriate datasets using statistical software such as Stata or R, literature reviews, and writing up results for reports for the research funder, publication in peer-reviewed journals and presentation at conferences or meetings. They will also be expected to contribute to the preparation and submission of proposals for new research projects, with the pursuit of funding for original projects encouraged.

The post would be ideally suited to someone proactive and ambitious who has obtained their PhD and is planning an academic career in economics and data science. The post provides an



outstanding opportunity to undertake high impact quantitative work using electronic health data. The successful applicant should have demonstrable programming, analytical and statistical skills and experience of working with large, complex datasets.

## **Responsibilities**

- Deliver research projects in accordance with the research protocols. This will be achieved through the analysis of routinely collected electronic health records from the QResearch electronic health database linked to hospital, mortality and cancer registry data. This will include but not be limited to literature searches; developing analysis plans to answer the research questions; defining codes for data extraction, documenting checking and manipulation of extracted data analysis of electronic health records and carrying out analyses using new and existing research approaches and methods where appropriate; interpreting results.
- Manage own academic research and administrative activities. This involves project management, co-ordinating multiple aspects of work to meet deadlines.
- Provide advice on data preparation, research design and contribute to protocol development for new research projects.
- Adapt existing and develop new research methodologies and materials including coding strategies and routines to extract and prepare data for analysis.
- Contribute ideas for new research projects.
- Develop ideas for generating research income, and present detailed research proposals to senior researchers.
- Contribute to the preparation of research papers and reports for publication.
- Present papers at conferences or public meetings.
- Develop an in-depth knowledge of the routine data available.
- Carry out collaborative projects with colleagues in partner institutions and research groups.
- Work with our information governance lead to ensure that process and procedures are in place to ensure compliance with Data Protection Legislation and information governance policy.

## **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/](http://www.ox.ac.uk/about/jobs/preemploymentscreening/).

## **Selection criteria**

### **Essential**

- Hold a PhD/Dphil (or be close to completion) in economics
- Be able to plan, implement and deliver programmes of work in order to meet deadlines and manage academic research and associated activities, independently and as part of a research team
- Good understanding of research methodology and econometrics methods
- Recent experience of cleaning, manipulating and analysing large datasets
- Ability to carry out complex econometrics analyses, interpret findings and present results
- Ability to be able to identify, summarise and critically appraise the relevant economics literature
- Strong statistical programming skills in relevant packages such as STATA or R
- Experience of writing up the results of economics analyses
- Ability to contribute ideas for new research projects and research income generation
- Excellent communication skills, including the ability to write for publication, present research proposals and results, and represent the research group at meetings
- High level proficiency in spoken and written English

### **Desirable**

- Familiarity with a database language e.g. SQL
- Good knowledge of NHS research ethics and information governance
- Handling of medical research dataset
- Experience of research analyses of routinely collected electronic health records

## **QResearch**

The Department is home for the QResearch database which is the largest anonymised medical research database of electronic health records derived from UK General Practices using the EMIS computer system. The QResearch database is linked to hospital, cancer and mortality records creating an outstanding resource to support high quality, ethical medical research. The QResearch database has been widely used for innovative epidemiological research, including health services research, assessment of drug safety, development and validation of risk prediction tools with many papers published in high impact journals such as the British Medical Journal. The results of projects have influenced clinical guidelines and lead to changes in clinical practice for the benefit of patient care. For more details see [www.qresearch.org](http://www.qresearch.org).

## 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](http://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.

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 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.

For more information on the department please visit: <http://www.phc.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/](http://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](mailto: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

*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](mailto: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](http://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

### Pre-employment screening

Please note that the appointment of the successful candidate will be subject to standard pre-employment screening, as applicable to the post. This will include right-to-work, proof of identity and references. 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/](http://www.ox.ac.uk/about/jobs/preemploymentscreening/).

### 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/](http://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/](http://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 69<sup>th</sup> 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+/](http://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+/](http://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](http://www.club.ox.ac.uk) and [www.sport.ox.ac.uk/oxford-university-sports-facilities](http://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/](http://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](http://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](http://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](http://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/](http://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](http://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/](http://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](http://www.admin.ox.ac.uk/personnel/staffinfo/benefits).