



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Research Statistician, Faculty of Medicine and Health



Salary: Grade 7 (£33,797 – £40,322 p.a.) depending on qualifications and experience

Reference: MHL1256

Fixed-term from September 2021 for 6 months (to cover Maternity Leave).

Research Statistician

School of Medicine

Leeds Institute of Cardiovascular & Metabolic Medicine

Are you a statistician interested in joining a team which will ultimately impact the provision of future healthcare for critically ill children?

Established in 2001 and coordinated by the Universities of Leeds and Leicester, PICANet is an exciting project, collating details of the treatment of all critically ill children in NHS Paediatric Intensive Care Units in the UK and Republic of Ireland. Utilising an expanding clinical audit dataset (already in excess of 360,000 event records), the project facilitates the planning of future health service research and interventions.

We are seeking a Research Statistician to join our Paediatric Intensive Care Audit Network (PICANet). You should have a degree in a numerate discipline and practical experience of advanced statistical techniques. You will be responsible for analysing existing data, developing analytical methods and, together with clinical and academic colleagues, providing collaborative support for use of the data in audit, applied health research and clinical trials. You will also provide support to NHS Trust staff as well as contribute to the production of and presentation of progress reports to sponsors and national bodies. Your effective communication and interpersonal skills will be essential in building rapport with colleagues at the University of Leicester as well as NHS Trust staff, providing support and guidance to ensure accurate reporting into the database.

While the post is based on the University of Leeds campus, travel to meetings or to visit other organisations, in particular NHS Trusts, will be required on occasion.

We currently have funding secured for this post for a fixed term of 6 months. It is our intention to apply for additional funding for the post, which would support an extension if successful.



What does the role entail?

As a Research Statistician your main duties will include:

- Analysis of the national clinical audit dataset containing clinical and demographic data on over 360,000 hospital admission, referral and transport records
- Using initiative and creativity to interpret data and results, draw conclusions and outcomes, and contribute to written reports
- Contributing to the production of written output by analysing data, interpreting results and producing draft and final copy, including the national annual report, ad hoc reports to government and other health service organisations, and manuscripts for peer-reviewed journals
- Developing validation and statistical methods for monitoring and analysing performance of paediatric intensive care units using the PICANet dataset
- Co-writing and reviewing (with the PICANet Principal Investigators and/or Senior Research Statistician) the analysis protocols for specific elements of the audit project
- Presenting to health service managers and commissioners, government departments, clinical and academic audiences on the progress, quality and findings from analyses of the dataset
- Providing support to NHS staff in 35 hospital units around the UK and Ireland who are involved in collecting data for PICANet
- Providing a central national resource of statistical advice on the nature and utility of the PICANet dataset to a range of healthcare professionals, health service commissioners and other interested parties
- Keep up to date with clinical advances in paediatric intensive care and statistical methods and academic literature relating to case-mix adjustment, performance assessment models, linked health data and anonymisation.

You will report to Dr Richard Feltbower, Senior Lecturer in Epidemiology.



What will you bring to the role?

As a Research Statistician you will have:

- An MSc or Higher Degree in statistics, epidemiology, health data science or another related subject (or equivalent relevant experience)
- A BSc degree in a numerate discipline, preferably with a substantial statistical element (or equivalent relevant experience)
- Experience of using advanced statistical techniques with a proven ability to process, analyse and model complex data
- Hands on experience of using Stata
- Effective interpersonal and communication skills including presenting research findings and reports at conferences and meetings
- Excellent time management skills and demonstrable experience of prioritising work to meet tight deadlines
- A proven ability to write up results in report and/or academic publication form, with evidence of peer-reviewed publication
- A demonstrable ability to work well as part of a multidisciplinary team and independently

You may also have:

- Previous experience of clinical audit and health service datasets
- Previous experience of working in the NHS or in an applied health research environment
- Practical experience of using and programming in Microsoft SQL Server

How to apply

You can apply for this role online; more guidance can be found on our [How to Apply](#) information page. Applications should be submitted by **23.59** (UK time) on the advertised closing date.



Contact information

To explore the post further or for any queries you may have, please contact:

Ms Hannah Buckley, Senior Research Statistician

Email: H.L.Buckley@leeds.ac.uk

Or

Dr Richard Feltbower, Senior Lecturer in Epidemiology

Email: r.g.feltbower@leeds.ac.uk

Please note: If you are not a British or Irish citizen, from 1 January 2021 you will require permission to work in the UK. This will normally be in the form of a visa but, if you are an EEA/Swiss citizen and resident in the UK before 31 December 2020, this may be your passport or status under the EU Settlement Scheme.

Additional information

You can find out more about PICANet at <http://www.picanet.org.uk>

Find out more about the [Faculty of Medicine and Health](#).

Find out more about [Leeds Institute of Cardiovascular and Metabolic Medicine \(LICAMM\)](#).

Find out more about [Athena Swan](#) in the Faculty of Medicine and Health.

Working at Leeds

Find out more about the benefits of working at the University and what it is like to live and work in the Leeds area on our [Working at Leeds](#) information page.

Candidates with disabilities

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at disclosure@leeds.ac.uk.



Security checks

This post will be subject to appropriate security checks being carried out with your permission by a third party company.

Criminal record information

Rehabilitation of Offenders Act 1974

A criminal record check is not required for this position, however, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records information](#).

