



**Job Title:** Research Assistant in Medical statistics or data science

**Grade:** 6

**Salary:** £32,296 to £36,924 per annum

**Department:** Diabetes Research Centre

**Hours/Contract:** Full-time, or job share considered, fixed term contract for 24 months

**Job Family:** Teaching and Research

**Reference:** 10829

## Role Purpose

We are looking for a talented and motivated individual to join the Leicester Real World Evidence Unit. This unique opportunity will give experience in both epidemiological analysis and methodological research, with particular emphasis on the use of the Clinical Practice Research Datalink (CPRD) for health research.

The Leicester Real World Evidence Unit is based within the Diabetes Research centre, and specialises in the use of large routinely collected data for observational studies in diabetes, cardiovascular disease, multiple long-term conditions and ethnic health inequalities. The Diabetes Research Centre is internationally recognised for its research in diabetes and cardiovascular disease, and also hosts the NIHR Biomedical Research Centre, Applied Research and Care East Midlands, the Leicester Real World Evidence Unit, and the East Midlands Centre for Black and Minority Ethnic Health. This post provides an excellent opportunity for an early career researcher in medical statistics, biostatistics, or data science to develop a broad range of skills for health research.

The post-holder will work closely with senior academics/researchers and other team members to help with the drafting of protocols for CPRD, feasibility counts within CPRD to inform sample sizes, the extraction of cohorts from CPRD, data manipulation and cleaning, statistical support and analysis, and contributing to research publications.

We are keen to increase the diversity of our academic body and encourage suitable applicants from ethnic minorities, different nationalities and other diversity groups to apply.

## Main Duties and Responsibilities

### Research

- To support a research team in the acquisition, evaluation and /or interpretation of data and other specialised information.
- To support protocol applications, data extractions and research publications using the Clinical Practice Research Datalink (CPRD).
- To carry out analyses, tests and critical evaluations using agreed techniques, novel approaches and/or models.
- To prepare and undertake high-quality data analysis and tests using appropriate techniques and novel approaches.





- To contribute to the development or choice of techniques, critiques, approaches, models and research methods.
- To summarise findings, record, and disseminate where appropriate to members of the research group.
- To contribute to research outputs such as co-authored journal articles/technical papers/book chapters relating to the work.
- To carry out literature searches within pre-specified parameters.
- To assist in supporting research students in the use of specific methods or approaches under the direction of their line manager.

**Professional Development:**

- Duties and opportunities to engage in work that support your own professional development.

**Impact and Knowledge Exchange:**

- Participate in workshops and conferences to support the dissemination of research findings.

**Leadership and Citizenship:**

- Contribute to the overall success of the research programme

**Internal and External Relationships**

Regular communication with research team, line manager and Principal Investigator.  
Regular research team meetings for different projects.  
Communication with other members of the department to provide statistical advice.

**Planning and Organising**

The post-holder will be required to effectively manage their time to deliver on the priorities of the research programme with the support of their line manager.

**Qualifications, Knowledge and Experience**

**Essential**

- Relevant MSc or equivalent research experience\*
- An understanding of approaches to analysing observational data \*
- Programming and statistical software skills (e.g., using Python/Stata/SAS/R)\*

**Desirable**

- Evidence of research productivity (including high-quality research publications, presentations)\*
- An interest in the priority health areas specified by the Leicester Diabetes Centre





Skills, Abilities and Competencies

**Essential**

- Evidence of Honours degree and/or relevant experience \*
- Excellent knowledge of statistical programming and data management (Python/Stata/R)\*
- Ability to plan, implement and deliver programmes of work
- High level of proficiency in English; sufficient to undertake research and teaching
- Administrative activities utilising English Language materials
- Excellent analytical and problem solving skills \*
- Team player, support broader research group
- Excellent communication skills – written and verbal\*
- Ability to prioritise tasks within agreed work schedules\*
- Ability to work independently and also as part of a research team

**Desirable**

- A PhD or currently studying for a PhD
- Masters qualification

***\*Criteria to be used in shortlisting candidates for interview***

Reason for Fixed Term Contract

The reason for the fixed term contract is stated in section 1.9 in the summary of contractual terms in your contract of employment.

Criminal Declaration

If you become an employee, you must inform your manager immediately, in writing, if you are the subject of any current or future police investigations/legal proceedings, which could result in a criminal offence, conviction, caution, bind-over or charges, or warnings.

Supporting University Activities

As a University of Leicester citizen, you are expected to support key university activities such as clearing, graduation ceremonies, student registration and recruitment open days. We expect all staff as citizens to work flexibly across the University if required.

University Values





**Inclusive** - We are diverse in our makeup and united in ambition. Our diversity is our strength and makes our community stronger.

**Inspiring** - We are passionate about inspiring individuals to succeed and realise their ambitions. We challenge our community to think differently, to get involved, and to constantly embrace new ideas.

**Impactful** - As Citizens of Change we will generate new ideas which deliver impact and empower our community

## Equity and Diversity

We believe that equity, diversity and inclusion is integral to a successful modern workplace. By developing and implementing policies and systems that challenge stereotypes across all aspects of our work, we have a culture that recognises and values the diverse contributions of our staff which benefits everyone. Our strong values of inclusivity and equity support our efforts to attract a diverse range of high quality staff and students, and identify our University as a progressive and innovative workplace that mainstreams equity, diversity and inclusion.

