**Job Title:** Research Associate  
**Grade:** 7  
**Salary:** £34,804 - £40,322 per annum  
**Department:** Health Sciences  
**Hours/Contract:** Full Time, Fixed Term for 2 years (with a possible extension subject to funding) 
**Reference:** 1106

### Role Purpose

To develop and carry out independent research, contributing as a team member to the population-based cardiovascular epidemiology and informatics programme, led at the University of Leicester by Prof Umesh Kadam.

The post will involve the development and application of statistical methods as well as guidance on different ways in which observational evidence can be used in risk estimations in the general population with cardiovascular disease and cancer. This methodological development including prognostic modelling and longitudinal outcome will be carried out using Clinical Practice Research Datalink. The post will require high-level expertise in biostatistics/medical statistics/applied statistics/epidemiology and identification of evidence reviews, observational patient level data, prognostic modelling and application of novel statistical methods to measurement of outcomes.

### Main Duties and Responsibilities

<table>
<thead>
<tr>
<th>Activity</th>
<th>% Time</th>
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<tr>
<td>Deliver project analyses outlined in the grant, which will include:</td>
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<tr>
<td>- Population descriptive analyses of risks and outcomes</td>
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<tr>
<td>- Investigate outcomes in defined cancer populations</td>
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<tr>
<td>- Develop statistical methods for risk estimation and comparison</td>
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<tr>
<td>Support other population-based cardiovascular programme in the development and application of statistical methods to real-world data:</td>
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<tr>
<td>- Synthesise evidence in defined CVD populations</td>
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<tr>
<td>- Develop statistical methods for risk estimation and outcomes assessment</td>
<td>10</td>
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<tr>
<td>- Develop novel statistical methods linked to data science</td>
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<tr>
<td>Support programme and deliver outputs:</td>
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<tr>
<td>- write up research findings for publication and dissemination: this will include taking primary responsibility for drafting some research papers, and contributing as a junior partner to the authorship of other research papers</td>
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<tr>
<td>- liaise with collaborators in the University of Leicester and in other partners to ensure the smooth progression of methodological research and case studies</td>
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<td>- attend project meetings and other relevant meetings relating to the scientific agenda.</td>
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The post-holder will also be expected to engage in relevant professional activities and in continuous professional development.
### Internal and External Relationships

- Liaison with collaborators within and outside the University of Leicester;
- Attendance at project meetings both in Leicester and elsewhere in the UK, conferences to disseminate work and enhance the profile of the group.

### Planning and Organising

The post holder will be required to effectively manage their time to deliver on the priorities of the project.

- prioritise tasks within agreed work schedules;
- plan for specific aspects of research incorporating issues such as deadlines, project milestones and overall research aims;
- adapt daily and weekly plans to accommodate new developments;
- be flexible to the changing priorities of the research project;
- plan several months ahead to meet project deadlines, to prepare papers, abstracts and presentations for conferences;

### Qualifications, Knowledge and Experience

#### Essential

- PhD (or relevant MSc plus research experience) in Biostatistics/Medical Statistics, Applied Statistics/Statistics, Epidemiology, or Health Economics*
- Evidence of research productivity (including high-quality research publications, presentations);*
- Experience of involvement in innovative, high-level medical research;
- Experience of applying statistical modelling techniques to patient level data;*
- Experience of a range of statistical software;*
- Experience of using simulation-based methods.*

#### Desirable

- Experience of programming in a high-level statistical environment (such as R or Stata);*
- Experience of decision modelling in a healthcare context;
- Knowledge of real-world data evidence and methods;

(*Criteria to be used to shortlist candidates for interview)

### Skills, Abilities and Competencies

#### Essential

- Good IT skills;*
- Excellent time management skills in order to meet deadlines;*
- Excellent written and oral communication skills;*
- Effective planning and organisational skills;
Job Summary

- Ability to work independently and also as part of a research team.

Desirable
- Expertise with relevant MS Office and other software packages;
- Well-developed understanding of Health and Safety regulations and procedures.

*Criteria to be used in shortlisting candidates for interview*

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.

VITAL

The University encourages all staff to live our VITAL values which are: Valuing People, Innovators, Together, Accountable, Leaders.

Equality and Diversity

We believe that equality, 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 equality 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 equality, diversity and inclusion.