



<b>Job title</b>	Research Assistant	<b>Job family and level</b>	Research and Teaching Level 4a
<b>School/ Department</b>	School of Medicine, Lifespan and Population Health Unit	<b>Location</b>	Applied Health Research Building, University Park Campus

## Purpose of role

The purpose of this role will be to have specific responsibility for research projects aimed at:

- improving the early identification of dementia in the general population
- developing and validating an effective risk-scoring tool for asthma attacks to improve patient outcomes.

You will be expected to plan and conduct work using approaches or methodologies and techniques appropriate to the type of research and will be responsible for writing up your work for publication.

The work programme will be undertaken using a primary care database, Clinical Practice Research Datalink (CPRD GOLD and Aurum). The work is being conducted by an established multidisciplinary team in the Centre for Academic Primary Care led by a Clinical Professor of Primary Care.

You will have strong data management and analysis skills and the opportunity to use your initiative and creativity to build on the area of research.

The School of Medicine recognises the importance of continuous professional development and therefore the importance of providing opportunities, structured support, and encouragement to engage in professional development each year.

	<b>Main responsibilities</b> (Primary accountabilities and responsibilities expected to fulfil the role)	<b>% time per year</b>
1	<p><b>Research:</b></p> <ul style="list-style-type: none"> <li>• To undertake supervised research which may include planning, preparing, setting up, conducting research activity in accordance with research protocols including all aspects of data management and statistical analysis using recognised approaches, methodologies, and techniques within the framework of an agreed programme.</li> <li>• To conduct literature and database searches and carry out analyses and/or tests and/or critical evaluations using specified and agreed techniques, approaches and/or models and document findings.</li> </ul>	70%

	<ul style="list-style-type: none"> <li>To work in conjunction with others in the research team, achieve objectives and deadlines of the research project.</li> </ul>	
2	<p><b>Engagement and Communication:</b></p> <ul style="list-style-type: none"> <li>To contribute to the production of research reports and publications and prepare and present papers on research progress and outcomes to relevant groups including external bodies.</li> <li>To build relationships with internal and external contacts to develop knowledge and understanding and form relationships for future collaborations.</li> <li>To communicate information and ideas to students and advise and assist other staff/students within area of expertise.</li> </ul>	20%
3	<p><b>Development:</b></p> <ul style="list-style-type: none"> <li>To continue to develop skills in and knowledge of research methods and techniques and contribute to the development of/or choice of techniques, models, methods, critiques and approaches.</li> </ul>	10%
4	<p><b>Other:</b></p> <ul style="list-style-type: none"> <li>Any duties appropriate to the grade and level of the post</li> <li>We recognise the importance of continuous professional development and therefore the importance of providing opportunities, structured support and encouragement to engage in professional development each year.</li> </ul>	N/A

## Person specification

	<b>Essential</b>	<b>Desirable</b>
<b>Skills</b>	<ul style="list-style-type: none"> <li>▪ Excellent oral and written communication skills, including the ability to communicate with clarity on complex information.</li> <li>▪ Ability to creatively apply relevant research approaches, models, techniques, and methods.</li> <li>▪ Ability to build relationships and collaborate with others, both internally and externally</li> <li>▪ High analytical ability to analyse and illuminate data, interpret reports, evaluate and criticise texts and bring new insights.</li> <li>▪ Ability to assess and organise resource requirements and deploy effectively.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Demonstrates a desire to further develop skills and knowledge of research methods and techniques</li> </ul>
<b>Knowledge and experience</b>	<ul style="list-style-type: none"> <li>▪ Knowledge of multivariable regression analysis, survival analysis and other statistical methods.</li> <li>▪ Experience with new approaches, models, techniques, or methods in the research area.</li> <li>▪ Competence in using statistical packages (Stata or R) for data analysis.</li> <li>▪ Recent experience in cleaning and managing large datasets of &gt; 1 million records.</li> <li>▪ Recent experience of research analyses using routinely collected UK electronic health records such as SAIL, HES, QResearch, CPRD or THIN or very similar/equivalent data sources.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Understanding of epidemiological methods.</li> <li>▪ Experience in use of research methodologies and advanced statistical analysis techniques to work within area.</li> </ul> <p>Ability to carry out statistical analyses, interpret findings and present results.</p>

<b>Qualifications, certification and training (relevant to role)</b>	<ul style="list-style-type: none"> <li>▪ Degree or equivalent in relevant subject area.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Master's Degree, or equivalent in data science, medical statistics, epidemiology, public health, or similar subjects with a strong numeric component</li> </ul>
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## Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

- Valuing people** Is friendly, engaging and receptive, putting others at ease. Actively listens to others and goes out of way to ensure people feel valued, developed and supported.
- Taking ownership** Is clear on what needs to be done encouraging others to take ownership. Takes action when required, being mindful of important aspects such as Health & Safety, Equality, Diversity & Inclusion, and other considerations.
- Forward thinking** Drives the development, sharing and implementation of new ideas and improvements to support strategic objectives. Engages others in the improvement process.
- Professional pride** Is professional in approach and style, setting an example to others; strives to demonstrate excellence through development of self, others and effective working practices.
- Always inclusive** Builds effective working relationships, recognising and including the contribution of others; promotes inclusion and inclusive practices within own work area.

## Key relationships with others

