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| Job title | Research Assistant | Job family and level | Research and Teaching, level 4a |
| School/ Department | School of Medicine, Lifespan and Population Health | Location | The East Midlands Campuses of the University of Nottingham |

Purpose of role

The purpose of this role will be to assist and support the Primary Care Epidemiology research team in carrying out academic research on menopausal hormone therapy prescribed to women in connection to development of cardiovascular disease (CVD). You will be expected to help plan and conduct work using methodologies and statistical analyses appropriate to the type of research and will contribute to writing up your work for publication.

This project will use anonymised data from the Clinical Practice Research Datalink (CPRD) to assess the risk of CVD associated with use of menopausal hormone treatments prescribed within UK primary care. You will help prepare the CPRD datasets, produce descriptive statistics and carry out statistical analysis to determine which uses (types of therapy, durations, times since discontinuation) are associated with increased or decreased CVD risks. You will contribute to a paper for publication in a peer-reviewed medical journal, and other dissemination activities, such as publicising the findings to professional groups, and relevant groups in the general population. This project is funded by the NIHR School of Primary Care Research.

You will join a research team, led by Yana Vinogradova, whose main areas of research interest include safety of commonly prescribed drugs (including statins, anticoagulants, contraceptive drugs) and in particular menopausal treatments, using large primary care databases. The team is a part of established research team Primary Care Stratified Medicine (PRISM).

The School of Medicine 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.

To find out more about the School of Medicine, its values, vision, teaching and research, please see our [further information leaflet](#).

| | Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role) | % time per year |
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| 1 | Research: <ul style="list-style-type: none"> To undertake supervised research, in accordance with research protocols including aspects of data management and statistical | 70% |



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| | <p>analysis using recognised approaches, methodologies and techniques within the research project area.</p> <ul style="list-style-type: none"> 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 To work in conjunction with others in the research team to achieve the research project objectives within the required timeline. | |
| 2 | <p>Engagement and Communication:</p> <ul style="list-style-type: none"> To contribute to the production of research reports and publications and prepare and present papers on research progress and outcomes to relevant groups. To communicate information and ideas to students and advise and assist other staff/students within area of expertise. To build relationships with internal and external contacts to develop knowledge and understanding and form relationships for future collaborations | 20% |
| 3 | <p>Development:</p> <ul style="list-style-type: none"> 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. | 10% |
| 4 | <p>Other:</p> <ul style="list-style-type: none"> Any duties appropriate to the grade and level of the post | N/A |

Person specification

| | Essential | Desirable |
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| Skills | <ul style="list-style-type: none"> Excellent oral and written communication skills, including the ability to communicate with clarity on complex information. Evidence of sufficient breadth or depth of research methodologies and techniques to work in research area. Ability to carry out complex statistical analyses, interpret findings and present results Developing research skills. Ability to contribute to method improvement. | <ul style="list-style-type: none"> Demonstrates a desire to further develop skills and knowledge of research methods and techniques. |



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| | <ul style="list-style-type: none"> Analytical ability to facilitate conceptual thinking, innovation and creativity. Ability to build relationships and collaborate with others, internally and externally. | |
| Knowledge and experience | <ul style="list-style-type: none"> Competence in using statistical packages (Stata or R) for data analysis Knowledge and experience of applying a range of statistical methods Understanding of epidemiological methods <p>Recent experience of cleaning and manipulating large datasets</p> | <ul style="list-style-type: none"> Some practical experience of applying the specialist skills approaches and techniques required for the role. Evidence in use of research methodologies and techniques to work within research area. |
| Qualifications, certification and training (relevant to role) | <ul style="list-style-type: none"> Degree or equivalent in medical statistics, epidemiology, health services research, public health, statistics, or similar subjects with a strong numeric component | <ul style="list-style-type: none"> Master's Degree or equivalent in medical statistics, epidemiology, health services research, public health, statistics, or similar subjects with a strong numeric component. |
| Other | <ul style="list-style-type: none"> Willingness to adopt the vision and values of the School of Medicine. | |





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:

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| 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

