ROSE PROFILE

Job Title: Medical Statistician (fixed term)

School/Department: School of Medicine, NIHR Research Design Service East Midlands (RDS EM)

Job Family and Level: Research & Teaching Level 4

Contract Status: This post will be offered on a fixed term contract until 30 September 2023

Hours of Work: Full-time role (36.25 hours per week) or part-time (minimum of 29 hours per week). Please specify in your application if you wish to work part time and the number of preferred hours. Job share arrangements may be considered for this post.

Location: NIHR Research Design Service East Midlands, Nottingham Health Science Partners, C Floor, South Block, Queen’s Medical Centre campus.

Reporting to: Professor of Medical Statistics, Director of the Nottingham base of the NIHR Research Design Service East Midlands (RDS EM)

The Purpose of the Role:

The NIHR Research Design Service East Midlands (RDS EM) at the University of Nottingham is seeking to appoint a Medical Statistician with expertise in the design, conduct and analysis of clinical trials and other quantitative study designs.

As the successful candidate, you will join a team of Research Design Service (RDS) staff who together provide methodological support and advice to researchers who are developing high quality applied health or social care research applications for submission to national peer reviewed funding streams. We are looking for a team player with very good communication skills who will enjoy working with other members of the team as well as independently.

You will provide statistical advice to researchers on the design and analysis of clinical trials and other quantitative research study designs. We will also ask you to provide more general advice to improve the overall quality of applications for research funding and you will assist with other RDS activities such as helping with the delivery of funding awareness seminars, learning events and staff development sessions. You will also contribute to the review of research applications at project review panel meetings.

It is likely there will be opportunities for you to have a proportion of your time bought out to undertake collaborative research that will help you develop your own research profile. You will also benefit from increasing your understanding of NIHR funding streams and knowing what makes a competitive research application likely to be funded.

Main Responsibilities

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<th>% time per year</th>
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<td>60%</td>
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1. To provide advice to NHS staff and academic researchers developing applications for applied health or social care research for submission to NIHR, Research Councils and the Association of Medical Research Charities. This includes:
   - The provision of advice on the statistical components of applications including study design and methods of analysis.
   - The provision of more general advice that will improve the competitiveness of research funding applications.
   - Identification of appropriate funding streams for the submission of applications.
   - Meeting with researchers and providing written feedback.
2. • To assist with the organisation of some RDS activities (e.g. the development of learning events, contributing to the management of new cases with other staff). 15%

3. • To assist with the design of material for, and to contribute to the delivery of, events, workshops and occasional seminars/standalone courses for NHS and University staff and academic partners. Events will focus upon research funding opportunities and issues that need to be considered when applying for research funding. The role holder will demonstrate their area(s) of expertise in their contribution to these. 15%

4. • To build relationships and collaborations with internal and external contacts, to improve the quality of bids submitted for funding.
• To work collaboratively as part of the RDS team, assisting other members of the RDS in the delivery of the service. 10%

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<thead>
<tr>
<th>Knowledge, Skills, Qualifications &amp; Experience</th>
<th>Essential</th>
<th>Desirable</th>
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<tbody>
<tr>
<td>Qualifications/Education</td>
<td>• PhD or equivalent in medical statistics, epidemiology, health services research, clinical trials research or other relevant area, or the equivalent in professional qualifications and experience in medical statistics. OR near to completion of a PhD.</td>
<td>• Membership of a professional body where appropriate.</td>
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<tr>
<td>Skills/Training</td>
<td>• Training and skills in applying statistical knowledge in the design and analysis of a range of applied health research studies, including phase three clinical trials and other quantitative designs. • Ability to rapidly assimilate clinical/applied ideas. • Ability to discuss ideas with researchers at very early stages, helping them to refine their research proposals and ensure the proposed work is manageable and of high methodological quality. • Ability to build relationships and collaborate with others, internally and externally. • Excellent organisational skills. • Excellent written and oral communication skills, including the ability to communicate with clarity on complex ideas to those with limited statistical knowledge and understanding as well as to peers.</td>
<td>• Knowledge of NIHR research funding streams. • Knowledge of the current NHS &amp; social care landscape. • Understanding of ethical issues in health services research. • Excellent knowledge of a range of statistical software e.g. Stata, SPSS. • Familiarity with other appropriate packages e.g. R, SAS, MLWin, PASS.</td>
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<td>Experience</td>
<td>• Experience of practical involvement in the design, and analysis of phase three clinical trials and other well designed studies. • Evidence of collaborative working in the field of medical statistics/ health research/ clinical trials in a UK setting, including a track record of peer reviewed publications appropriate to career stage. • Evidence of working independently and within multidisciplinary teams.</td>
<td>• Experience of working in academic and/or industry settings. • Experience of writing collaborative research grant proposals. • Supervision/teaching experience in quantitative methods • Appreciation of public and patient involvement in research.</td>
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</table>
Evidence of ability to prioritise and time-manage work activities, and to work to deadlines.

Evidence of producing work to a high standard with exceptional attention to detail.

Willingness to travel between sites in the East Midlands region.

Willingness to adopt the Ethos and Principles of the School of Medicine.

Additional Information

The NIHR Research Design Service for the East Midlands
The National Institute for Health Research (NIHR) funds the Research Design Service (RDS) (www.rds.nihr.ac.uk) to provide design and methodological support to health and social care researchers across England to develop grant applications to the NIHR and other national peer-reviewed funding programmes. The national RDS network operates from 10 regional centres across England. RDS East Midlands (www.rds-eastmidlands.nihr.ac.uk) serves a geographical area covering Derbyshire, Leicestershire, Lincolnshire, Northamptonshire, Nottinghamshire, and Rutland.

RDS East Midlands funds 27 staff at the Universities of Nottingham and Leicester and maintains strong links with other higher education institutions, NHS and health-related social care organisations within its geographical coverage.

The Nottingham Unit is located within the School of Medicine (www.nottingham.ac.uk/medicine/index.aspx) in the Queen’s Medical Centre close to the University of Nottingham main campus.

The Nottingham Unit includes 13 academic, research and administrative staff. The person appointed to this post would have skills and expertise in phase three clinical trials and other quantitative research study designs. Other academic staff within the Unit have expertise in medical statistics, clinical trials, qualitative methods, health economics and systematic reviews.

The principal activities of the Nottingham Unit are to provide advice and support to NHS staff and academic researchers who are developing applications for applied health or social care research funding. A number of approaches are currently employed to do this including face to face meetings, telephone, skype, application review panel meetings, as well as the provision of extensive written feedback. The RDS also provides a series of learning events on research design and funding opportunities.

Medical Statisticians at the University of Nottingham
There are a number of Medical Statisticians within the University of Nottingham. There are Chairs in Medical Statistics within the RDS EM, Nottingham Clinical Trials Unit, and the Divisions of Epidemiology and Public Health, and Primary Care. In addition to these, there are Assistant and Associate Professor medical statisticians within the School of Medicine. There is a wide range of expertise across the School and there are good opportunities for statisticians to network with each other.

Scope of the Role
The core function of this position is to work with researchers to design and develop applications for applied health or social care research funding.

The role will support and advise researchers who are working in the NHS, with or without academic collaborators, in the development of protocols to be submitted for nationally competitive, peer-reviewed funding opportunities in any area of health services research.

The scope of the role within the RDS is to provide advice and support at the pre-award, development stage of the research. Opportunities to collaborate with research teams as a co-applicant are likely to arise. Any post-award work arising from an opportunity to collaborate as a co-applicant should be costed into the proposal using TRAC methodology and the money thus awarded would be paid to the RDS to contribute to further RDS support.

Advice and support may be provided to researchers by individuals or more commonly, as part of a team of
RDS staff with differing methodological expertise. This can take place anywhere within the three counties covered by the Nottingham Unit (Nottinghamshire, Derbyshire and Lincolnshire) to suit the convenience of the researchers. The provision of advice to researchers within Leicestershire, Northamptonshire and Rutland may also be required. A willingness to travel is therefore essential.

The RDS also provides a series of funding awareness seminars and other learning events throughout the region to support NHS and academic researchers in the design and development of research protocols, and in submitting those proposals to available funding programmes. This role would play a part in the delivery of these events.

The University of Nottingham strongly endorses Athena SWAN principles, with commitment from all levels of the organisation to ensure equal opportunity, best working practices and fair policies for all.

The School of Medicine holds a Silver Athena SWAN award in recognition of our achievements in promoting and advancing these principles. Please see http://www.nottingham.ac.uk/medicine/about/athena-swan.aspx
ROLE PROFILE

Job Title: Senior Medical Statistician (fixed term)

School/Department: School of Medicine, NIHR Research Design Service East Midlands (RDS EM)

Job Family and Level: Research & Teaching Level 5

Contract Status: This post will be offered on a fixed term contract until 30 September 2023

Hours of Work: Full-time role (36.25 hours per week) or part-time (minimum of 29 hours per week). Please specify in your application if you wish to work part time and the number of preferred hours. Job share arrangements may be considered for this post.

Location: NIHR Research Design Service East Midlands, Nottingham Health Science Partners, C Floor, South Block, Queen's Medical Centre campus.

Reporting to: Professor of Medical Statistics, Director of the Nottingham base of the NIHR Research Design Service East Midlands (RDS EM)

The Purpose of the Role:

The NIHR Research Design Service East Midlands (RDS EM) at the University of Nottingham is seeking to appoint an experienced Medical Statistician with a strong background in the design, conduct and analysis of clinical trials and other well designed quantitative studies.

As the successful candidate, you will join a team of Research Design Service (RDS) staff who together provide methodological support and advice to researchers who are developing high quality applied health or social care research applications for submission to national peer reviewed funding streams. We are looking for an enthusiastic team player with very good communication skills who will enjoy working with other members of the team as well as independently.

You will provide expert statistical advice to researchers on the design and analysis of clinical trials and a range of other quantitative research study designs. We will also ask you to provide more general advice to improve the overall quality of applications for research funding and you will lead on, or contribute to other Research Design Service activities such as the delivery of funding awareness seminars, learning events and staff development sessions. You will also review applications at project review panel meetings and you may be asked to line manage or provide support to junior staff.

It is likely there will be opportunities for you to have a proportion of your time bought out to undertake collaborative research and develop further your own research profile. You will also benefit from increasing your understanding of NIHR funding streams and knowing what makes a competitive research application likely to be funded.

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<td>- The provision of advice on the statistical components of applications including study design and methods of analysis.</td>
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2. To lead on the organisation of some RDS activities (e.g. the development of learning events, overseeing the management of new cases with assistance from administrative support when appropriate).

3. To design and contribute to the delivery of events, workshops and occasional seminars/standalone courses for NHS staff and their academic partners. Events will focus upon research funding opportunities and issues that need to be considered when applying for research funding. The role holder will demonstrate their specialist area(s) of expertise in their contribution to these.

4. To build relationships and collaborations with internal and external contacts, nationally and if appropriate internationally, to improve the quality of bids submitted for funding.
   - To work collaboratively as part of the RDS team, assisting other members of the RDS in the delivery of the service and covering for other members of staff when necessary.
   - You may be asked to:
     o Represent the Research Design Service (RDS) at local and national meetings.
     o Provide support to junior staff and/or act as a line manager.

Knowledge, Skills, Qualifications & Experience

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<td>qualifications/education</td>
<td>PhD or equivalent in medical statistics, epidemiology, health services research, clinical trials research or other relevant area, or the equivalent in professional qualifications and experience in medical statistics.</td>
<td>Membership of a professional body where appropriate.</td>
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<td>training</td>
<td>Training and skills in applying expert statistical knowledge in the design and analysis of a range of applied health research studies, including phase three clinical trials and other quantitative designs.</td>
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<td>Ability to rapidly assimilate clinical/applied ideas.</td>
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<td>Ability to discuss ideas with researchers at very early stages, helping them to refine their research questions and design, and ensure what they do is manageable and of high methodological quality.</td>
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<td>Ability to build relationships and collaborate with others, internally and externally.</td>
<td>Excellent knowledge of a range of statistical software e.g. Stata, SPSS.</td>
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<td>Excellent organisational skills.</td>
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<td>Excellent oral and written communication skills, including the ability to communicate with clarity on complex and conceptual ideas to those with limited statistical knowledge and understanding as well as to peers.</td>
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<td>Evidence of considerable practical involvement in all statistical aspects of design, conduct, monitoring, analysis and reporting of phase three randomised trials and other well</td>
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designed studies.
- Evidence of collaborative working in the field of medical statistics/ health research/ clinical trials in a UK setting, including a track record of peer reviewed publications appropriate to career stage.
- Experience and achievement in chosen field, reflected in growing and consistent reputation.
- Evidence of working independently and within multidisciplinary teams.
- Evidence of ability to prioritise and time-manage work activities, and to work to deadlines.
- Evidence of producing work to a high standard with exceptional attention to detail.

### Other
- Willingness to travel between sites in Nottingham and across the East Midlands region.
- Willingness to adopt the Ethos and Principles of the School of Medicine.

### Additional Information

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