University of Nottingham
UK | CHINA | MALAYSIA

ROLE PROFILE

Job Title: Medical Statistician (fixed term, full time time)

School/Department: School of Medicine/NIHR Research Design Service East Midlands and School of Health Sciences/ Institute of Mental Health

Job Family and Level: Research and Teaching Level 4

Contract Status: This post will be offered on a fixed term contract up to 31 October 2022

Hours of Work: Full time (36.25 hours per week)

Location: NIHR Research Design Service East Midlands (RDS EM), Queen's Medical Centre and Institute of Mental Health, Nottingham Innovation Park

Reporting to: Professor of Mental Health Recovery and Social Inclusion, Institute of Mental Health and Deputy Director of NIHR Research Design Service East Midlands (RDS EM)

Purpose of the New Role:

There are two key aspects to the role:

- To conduct statistical analysis work for the NIHR funded NEON (Narrative Experiences Online) study, including the analysis of the NEON trial, a definitive pragmatic RCT assessing whether having online access to people's stories of personal recovery from mental ill health can help people with experience of psychosis with their own recovery.

- To provide expert 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. There is also the opportunity to assist the delivery of short courses, workshops and seminars.

	Main Responsibilities	**% time per year**
	NEON study responsibilities	
1.	• To provide statistical input throughout the lifecycle of the NEON study. This will include: o Preparing interim trial analysis reports for the NEON Programme Steering Committee. o Conducting statistical analysis work for the trial report for the NEON Trial	40%

	Main Responsibilities	% time per year
	○ Conducting statistical analysis work for two exploratory trials assessing the application of the NEON intervention in other populations. ○ Liaising with key staff including the Senior Statistician for the NEON Trial (Dr. Mel Smuk, Queen Mary University of London) and the NEON Health Economics lead (Prof. Rachel Elliott, University of Manchester). ○ Designing and conducting other statistical analysis work required by the NEON study ○ To attend NEON study project meetings, and contribute to the collaborative work of the NEON team	
2.	• To conduct other tasks to support the work of the Recovery Research Team, such as writing statistical elements of grant proposals, supporting statistical analysis in other studies conducted by the team, and supporting PhD students with the acquisition of statistical skills.	10%
	RDS EM responsibilities	
3	• 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	30%
4.	• To assist with the design of material for, and to assist with the delivery of events, workshops and occasional seminars/stand alone courses for researchers who are in the process of preparing research applications for funding	10%
5.	• To make a contribution to the following: ○ Building relationships and collaborations with internal and external contacts within the RDS East Midlands region to improve the quality of bids submitted for funding in the NHS and social care partners ○ Working collaboratively as part of the RDS EM team, assisting other members of the RDS in the delivery of the session and covering for other members of staff when necessary	10%

Knowledge, Skills, Qualifications & Experience

	Essential	Desirable
Qualifications/ Education	• 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.	• Membership of a professional body where appropriate.

	Essential	Desirable
	OR near to completion of a PhD • 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.	
Skills/Training	• 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. • Ability to build relationships and collaborate with others, internally and externally. • Ability to rapidly assimilate clinical/applied ideas. • Excellent organisational skills • 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. • Ability to travel between sites in Nottingham and across the East Midlands region.	• Excellent knowledge of a range of statistical software e.g. Stata, SPSS. • Excellent STATA programming skills • Familiarity with other appropriate packages e.g. S-plus, R, SAS, MLWin, PASS.
Experience	• Evidence of practical involvement in the design, conduct, monitoring, analysis and reporting of phase three randomised trials and other well designed studies • Some 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 • 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	• Knowledge of NIHR research funding streams. • Knowledge of the current NHS & social care landscape. • Understanding of ethical issues in health services research. • Appreciation of public and patient involvement in research.

	Essential	Desirable
Other	Willingness to adopt the Ethos and Principles of the School of Medicine.	

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

University of Nottingham
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ROLE PROFILE

Job Title: Senior Medical Statistician (fixed term, full time time)

School/Department: School of Medicine/NIHR Research Design Service East Midlands and School of Health Sciences/ Institute of Mental Health

Job Family and Level: Research and Teaching Level 5

Contract Status: This post will be offered on a fixed term contract up to 31 October 2022

Hours of Work: Full time (36.25 hours per week)

Location: NIHR Research Design Service East Midlands (RDS EM), Queen's Medical Centre and Institute of Mental Health, Nottingham Innovation Park

Reporting to: Professor of Mental Health Recovery and Social Inclusion, Institute of Mental Health and Deputy Director of NIHR Research Design Service East Midlands (RDS EM)

Purpose of the New Role:

There are two key aspects to the role:

- To conduct statistical analysis work for the NIHR funded NEON (Narrative Experiences Online) study, including the analysis of the NEON trial, a definitive pragmatic RCT assessing whether having online access to people's stories of personal recovery from mental ill health can help people with experience of psychosis with their own recovery.

- To provide expert 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. There is also the opportunity to assist the delivery of short courses, workshops and seminars.

	Main Responsibilities	**% time per year**
	NEON study responsibilities	
1.	• To provide statistical input throughout the lifecycle of the NEON study. This will include: o Preparing interim trial analysis reports for the NEON Programme Steering Committee. o Conducting statistical analysis work for the trial report for the NEON Trial o Conducting statistical analysis work for two exploratory trials assessing the application of the NEON intervention in other populations.	40%

	Main Responsibilities	% time per year
	○ Liaising with key staff including the Senior Statistician for the NEON Trial (Dr. Mel Smuk, Queen Mary University of London) and the NEON Health Economics lead (Prof. Rachel Elliott, University of Manchester). ○ Designing and conducting other statistical analysis work required by the NEON study ○ To attend NEON study project meetings, and contribute to the collaborative work of the NEON team	
2.	• To conduct other tasks to support the work of the Recovery Research Team, such as writing statistical elements of grant proposals, supporting statistical analysis in other studies conducted by the team, and supporting PhD students with the acquisition of statistical skills.	10%
	RDS EM responsibilities	
3	• To provide expert 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	30%
4.	• To design and contribute to the delivery of events, workshops and occasional seminars/stand alone courses for researchers who are in the process of preparing research applications for funding	10%
5.	• To make a contribution to the following: ○ Building relationships and collaborations with internal and external contacts within the RDS East Midlands region to improve the quality of bids submitted for funding in the NHS and social care partners. ○ Working collaboratively as part of the RDS EM team, assisting other members of the RDS in the delivery of the service and covering for other members of staff when necessary. ○ Representing the Research Design Service (RDS) at local and national meetings if required	10%

Knowledge, Skills, Qualifications & Experience

	Essential	Desirable
Qualifications/ Education	• 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.	• Membership of a professional body where appropriate. • Evidence of continuing professional/educational development.

	Essential	Desirable
	• 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.	
Skills/Training	• 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. • Ability to build relationships and collaborate with others, internally and externally. • Ability to rapidly assimilate clinical/applied ideas. • Excellent organisational skills • 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. • Ability to travel between sites in Nottingham and across the East Midlands region.	• Excellent knowledge of a range of statistical software e.g. Stata, SPSS. • Excellent STATA programming skills • Familiarity with other appropriate packages e.g. S-plus, R, SAS, MLWin, PASS.
Experience	• Considerable 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.	• Knowledge of NIHR research funding streams. • Knowledge of the current NHS & social care landscape. • Understanding of ethical issues in health services research. • Experience of working in both academic settings. • Experience of writing collaborative research grant proposals. • Supervision/teaching experience in quantitative methods • Appreciation of public and patient involvement in research.
Other	Willingness to adopt the Ethos and Principles of the School of Medicine.	

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