Job Profile
Job Description

Job Details		
Job Title:	Statistician	
School/Dept/Institute & Centre:	SMD |Blizard | Centre for Primary Care and Public Health	
Reports to:	Reader in Medical Statistics	
Grade:	4/5	**Full Time or Part Time**
Appointment period:	3 years	
Current Location:	Whitechapel	

Job Context

The Pragmatic Clinical Trials Unit (PCTU) is based in the Centre for Primary Care and Public Health and linked to the Unit for Community and Social Psychiatry Centre for Psychiatry and the National Bowel Research Centre. The PCTU aims to be at the forefront of the science and execution of pragmatic clinical trials. We support trials and other high quality studies in primary and community-based care, mental health, women's health and bowel disease. We have particular expertise in cluster randomised trials and trials of behaviour change and other complex interventions.

The PCTU includes a very strong statistical section and also conducts methodological research, particularly related to cluster randomised trials, pilot and feasibility studies, innovative trial design and best practice in the design, reporting and analysis of trials.

Job Purpose

To contribute to the objectives of the PCTU by providing statistical input to research studies which PCTU supports from development through to publication, with support from senior statisticians and under the supervision of a Reader in Medical Statistics.

Main Duties & Responsibilities

- To carry out sample size calculations for trials and other studies;
- To contribute, as appropriate, to writing study protocols;
- To write detailed statistical analysis plans, with support from senior statisticians;
- To perform randomisation or group allocation for trials as necessary;
- To contribute, as appropriate, to study management and steering committees;
- To liaise with data monitoring committees as necessary;
- To work with data managers to ensure appropriate data management systems for studies;
- To maintain accurate written and computerised records, and to maintain confidentiality of all electronically stored personal data in line with good practice for information governance;
- To carry out statistical analyses for studies, with support from senior statisticians;

Main Duties & Responsibilities

- On completion of a study, to contribute, as appropriate, to writing journal articles and reports to funders;
- To contribute to methodological research conducted in the PCTU;
- To contribute to undergraduate and postgraduate taught courses at the School of Medicine & Dentistry, as appropriate (anticipated to be a minimal teaching load);
- To contribute, as appropriate, to training courses run by the PCTU;
- To participate in courses, conferences and other activities associated with personal and professional development.

The above list of responsibilities is not exhaustive and the jobholder may be required to undertake other duties commensurate with the level of the role, as reasonably requested by their line manager.

This job description sets out the duties of the post at the time it was drawn up. Such duties may vary from time to time without changing the general character of the duties or level of the responsibility entailed. Such variations are a common occurrence and cannot in themselves justify a reconsideration of the grading of the post.

Job Profile
Person Specification

This table lists the essential and desirable requirements needed in order to perform the job effectively. Candidates will be shortlisted based on the extent to which they meet these requirements.

	Requirements	Essential / Desirable	How Assessed
Qualifications	PhD or MSc in statistics, epidemiology or closely related field, or equivalent professional experience	E	A
	Undergraduate degree in relevant subject or equivalent experience	E	A
Knowledge, Skills and Experience	Experience in providing statistical input to research in health or healthcare	E	A/I
	Experience in providing statistical input to full-scale clinical trials (not just early phase trials in volunteers), including calculating sample sizes, developing statistical analysis plans, and analysing results	D	A/I
	Experience in contributing to statistical aspects of study reports or peer reviewed papers	D	A/I
	Experience in giving statistics advice	D	A/I
	Experience in writing trial protocols	D	A/I
	Experience in teaching statistics	D	A/I
	Publication record in statistics or research methods	D	A
	Detailed and up-to-date knowledge of clinical trial designs in applied health research	E	OM (presentation)
	Familiarity with at least one statistical programming package	E	A
	Fluency in the statistical programming package Stata	D	A/I
	Up-to-date knowledge of methods for systematic reviews and meta-analyses	D	A/I
	Good understanding of current regulatory framework in relation to clinical trials	D	A/I
	Ability to organise and prioritise own work and maintain accurate and up-to-date records	E	A
	Commitment to working collaboratively and flexibly as part of a team	E	A/I
	Good oral, written and communication skills, including ability to convey statistical concepts to a non-statistical audience	E	OM (presentation)

Essential/Desirable:
E = Essential: Requirements without which the job could not be done.
D = Desirable: Requirements that would enable the candidate to perform the job well.

How Assessed:
A = Application I = Interview OM = Other Means (e.g. presentation, test, etc.)