

## Statistician

### Job Description

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<b>Purpose</b>	Will provide statistical support to colleagues and customers for ICNARC's national clinical audits and health services research in emergency and critical care.
<b>Responsible to</b>	Senior Statistician
<b>Direct reports</b>	None
<b>Internal relationships</b>	Will work closely with the Research team and Audit team and wider ICNARC team.
<b>External relationships</b>	The Statistician will represent ICNARC when dealing with external enquiries from relevant individuals, bodies or groups; and to represent ICNARC at meetings and conferences when required.
<b>Location/Environment</b>	High Holborn, Central London; option for some UK based remote working.

### Principal duties and responsibilities

#### *Statistical management*

- Contribute to the design, specification and data analyses for ICNARC's health services research and national clinical audits
- Performance of data analyses for ICNARC's national clinical audits and clinical trials unit, to include interpretation and dissemination of results
- Preparation and production of scientific publications and reports
- Presentation of audit and research results at both internal and external scientific meetings and conferences
- Respond promptly to statistical queries relating to analyses, reports or scientific publications generated by ICNARC
- Provision of guidance on data analysis and statistics for colleagues, Associates and external customers.

### General duties and responsibilities as an employee

- To work as part of a team and contribute to the overall aims and objectives of the organisation
- To be an advocate for the organisation
- Attend staff meetings and training as required
- All staff are required to operate in accordance with ICNARC's values, policies and procedures, including but not limited to, Health and Safety, and Data Protection

The above list of duties and responsibilities is not exhaustive and you may be required to undertake other responsibilities and training as requested and as appropriate to your role level.

### Person specification

Requirements	Essential	Desirable
<b>Educational attainment</b>	MSc in medical statistics or closely related discipline, or relevant experience	A postgraduate qualification with a PhD in Medical Statistics or a closely related discipline
<b>Knowledge required</b>	Understanding of data protection and other statutory requirements and professional guidelines for clinical research and/or research using routinely collected health data	Knowledge of emergency and critical care medicine and design and analysis of clinical trials (including development of protocols, case report forms and statistical analysis plans)
<b>Experience required</b>	Experience in the analysis of routine health data and/or clinical trials	Experience of statistical consulting;  Experience of database analysis and a good working knowledge of SQL;  Experience of contributing to the content of applications for research funding

<b>Skills and aptitudes required</b>	<p>Skilled in the use of standard statistical software, for example Stata, SAS or R</p> <p>Ability to express technical information clearly to a wide range of people through both written and verbal communication</p>	<p>Advanced Stata programming skills</p> <p>Skilled in the use of data visualisation techniques</p>
<b>Interests</b>	<p>Keen interest in epidemiological science/medicine</p> <p>Interest in collaborative working with researchers and non-researchers from different disciplines</p>	
<b>Personal qualities required</b>	<p>Excellent attention to detail working methodically and accurately</p> <p>Plans, organises and prioritises to ensure tasks are done in a timely and co-ordinated way and delivers what the business requires.</p> <p>Ability to multi-task and flexibility to respond to changing work demands</p> <p>Commitment to equal opportunities and valuing diversity</p>	
<b>Circumstances</b>	<p>Ability to meet travel requirements of the post with occasional overnight stays away from home</p>	