Statistician

Job Description

Purpose
To provide statistical expertise to ongoing national clinical audit and health services research activities; provide input into the development of new research activities.

Responsible to
Senior Statistician

Internal relationships
The Statistician will work closely with other members of the organisation including statistical staff, data management, data analysts and research and audit teams

External relationships
The Statistician will represent ICNARC when dealing with external enquiries from relevant individuals, bodies or groups; and represent ICNARC at meetings and conferences when required

Location/Environment
This role works from the central London office

Principal duties and responsibilities

Statistics

- Design, specify and plan data analyses for ICNARC’s national clinical audits and clinical trials, health services research and methodological research projects
- Perform data analyses for ICNARC’s national clinical audits, clinical trials, health services research and methodological research projects
- Prepare and produce presentations, reports and scientific publications
- Present audit and research results at both internal and external scientific meetings and conferences
- Respond promptly to statistical queries relating to analyses, presentations, reports or scientific publications generated by ICNARC
- Provide guidance on data analysis and statistics for colleagues, associates and external customers

Research citizenship

- Work with national and international research associates and postgraduate students engaged in health services research (MSc, PhD, MD)
- Build relationships to develop collaborations (e.g. representing ICNARC at conferences)
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.

CHANGES:
This is a description of the job as it is presently constituted. It is the practice of the ICNARC to examine job descriptions from time to time and to update them to ensure they relate to the job as then being performed, or to incorporate whatever changes are being proposed. This will be conducted in consultation with you.

This job description is supported by annual objectives and performance standards to provide an indication of the level of performance expected from the role.
# Person specification

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<th>Requirements</th>
<th>Essential</th>
<th>Desirable</th>
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<tr>
<td><strong>Educational attainment</strong></td>
<td>MSc in medical statistics or closely related discipline, or relevant experience</td>
<td>PhD in medical statistics</td>
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<td><strong>Knowledge required</strong></td>
<td>Biostatistical and epidemiological knowledge</td>
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<td><strong>Experience required</strong></td>
<td>Experience in the analysis of large datasets</td>
<td>Experience in the design and analysis of randomised controlled trials and other research studies</td>
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| **Skills and aptitudes required** | Good working knowledge of standard statistical software, for example Stata, SAS or SPSS | Experience of Stata
A good understanding and implementation of basic and advanced statistical techniques
Good working knowledge of SQL |
<p>| <strong>Interests</strong>                | Keen to develop skills and knowledge eg attending seminars, workshops and conferences | Data management, data manipulation and data analysis |
| <strong>Personal qualities required</strong> | Plan actions to accomplish goals systematically, including establishing time-frames, allocating resources, and following up on details | Ability to work as part of a team and to contribute to the effective working of the organisation. |</p>
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<th>Circumstances</th>
<th>Ability to meet travel requirements of the post including occasional attendance at national and international conferences</th>
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<td>Adapts approach to fit with changing conditions, tasks, responsibilities, or people</td>
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<td>Take actions to achieve favourable outcomes for the organisation, beyond minimum performance expectations, and seeks opportunities to improve work procedures</td>
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<td>Pleasant, cooperative, and gets along well with others; keeps manager informed, reports problems promptly and seeks guidance when needed</td>
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