

<b>Job title:</b>	Medical Statistician
<b>Duration:</b>	12 months fixed term contract
<b>Base:</b>	UK Renal Association, Bristol There will be a requirement to travel to some hospital sites and on occasion to the GIRFT offices in England
<b>Reports to:</b>	Head of operations, UK Renal Registry GIRFT clinical lead

### **General information**

The UK Renal Registry (UKRR) is an independent organisation that is part of The Renal Association (RA). It is the major source of audit of renal services in the UK and plays an important role in monitoring and implementation of the National Service Specifications for UK Renal Services and RA Clinical Practise Guidelines, in addition to playing a major role in quality improvement of renal services through the Kidney Quality Improvement Partnership (KQuIP). It employs about 30 staff and is based in premises within Bristol. Further details can be found on the website [www.renalreg.org](http://www.renalreg.org). The UKRR also has close links with NHS England, Scotland, Wales and Northern Ireland and is funded by a direct charge to the participating renal centres.

Getting It Right First Time (GIRFT) is a national programme designed to improve the quality of care within the NHS by reducing unwarranted variations. By tackling variations in the way services are delivered across the NHS and by sharing best practice between trusts, GIRFT identifies changes that will help improve care and patient outcomes, as well as delivering efficiencies such as the reduction of unnecessary procedures and cost savings. The GIRFT programme is delivered in partnership with the Royal National Orthopaedic Hospital NHS Trust and NHS Improvement.

The UKRR collects data on patients with kidney disease – pre-dialysis chronic kidney disease, dialysis and kidney transplantation. Data collection from centres treating adults is purely electronic in the form of an extract from the information systems used in each centre for clinical care. It collects Patient Reported Experience across over 10 elements for patients treated by renal replacement therapy (RRT). In addition, it also receives data direct from laboratories on patients with Acute Kidney Injury (AKI) in England. This data is routinely linked with Hospital Episode Statistics (HES) and Civil Registrations to enable comparison of outcomes for patients with kidney disease.

The UKRR analyses and assists with the interpretation of a significant proportion of the information for the GIRFT data packs and is collating data from various GIRFT data sources in preparing the data pack. The Renal GIRFT team are currently visiting all of the renal centres in England to discuss their GIRFT data pack and prompt critical thinking of outcomes and unwanted variation. This is only the first phase of the programme however, with plans for a comparative report following the visits, support for local and regional quality improvement and possibly a repeat data analysis and re-visit.

### Job purpose

To serve as the primary statistical advisor to UKRR and GIRFT colleagues, to perform data management, cleaning and validation of GIRFT data sources, supporting the GIRFT data collection and linkages, preparation of data sets for use in statistical analyses, performing statistical analyses, taking a key role the preparation of GIRFT reports, presenting the data to renal centres and supporting the quality improvement activity.

### Key Working Relationships

Contact	Relationship to
Head of operations	Line manager Provides support and guidance to postholder
RA director of audit and informatics	Provides support and guidance to postholder Postholder reports progress
Consultant clinical advisors to GIRFT	Co-managers, close collaborative working Postholder reports progress
GIRFT team	Provides support and guidance to postholder Postholder reports progress
GIRFT clinical fellow	Work collaboratively Professional and peer support
UKRR statistical team	Professional and peer support

### Main Duties

1. Perform relevant statistical analyses required by GIRFT to support clinical audit and quality improvement.
2. Provide statistical and programming expertise to GIRFT and UKRR colleagues.
3. Use relevant statistical and analytical techniques to measure and report on efficiency improvements in renal centres and quality outcomes benchmarking across all English renal units.
4. Perform data management, data cleaning and validation of the GIRFT data sources, including the UKRR-HES linked dataset.
5. Support data linkages needed for the GIRFT statistical analyses and reporting.
6. Provide guidance on data integration and further enhancement of data sources related to GIRFT.
7. Presenting GIRFT reports and data to renal centres and supporting the quality improvement activity.
8. Present GIRFT and UKRR at meetings as required.
9. Support the data managers' development of data collection and processing activities.
10. Advise on improvements to the validation, coherency and quality of data held by the UKRR, contributing to the preparation of specifications required related to GIRFT data sources.
11. Develop and advise on the design of clinical audit projects related to GIRFT.
12. Ensure effective working and compliance with relevant legislation including the Data Protection Act 2018 thus ensuring that patient and centre confidentiality is preserved.
13. Undertake personal development to ensure skills and knowledge are maintained and developed and be aware of relevant developments in your field.
14. Undertake any GIRFT related work that's aligned with the aims and goals of the GIRFT team.

### Opportunities

15. Support a programme of work which will include audit, quality improvement, leadership and management.

16. Understand different sources of data available at renal centre level, how various data sources are collected, understanding and interpreting different sources of data and how data are processed and analysed by the UKRR.
17. Understand the legal framework behind and legislation around data collection and sharing – as well as how this will develop in the future – this is a skillset required by every renal unit.
18. Develop an understanding of legislation around data protection and Information Governance.
19. Help design new analyses for inclusion in the GIRFT data packs report.
20. Hone your management and leadership skills on a project or within UKRR itself.
21. Implement new statistical techniques
22. To develop teaching and training skills within UKRR and also externally on behalf of UKRR.

### Line Management

The post holder is managerially accountable to the UKRR head of operations, Dr Retha Steenkamp. The chief executive officer of the RA is Mr Ron Cullen.

### Person specification

Qualification	Essential/Desirable
BSc in Statistics or Medical Statistics	E
Masters degree in Statistics or Medical Statistics	D

Experience/skills (specify level/criteria)	Essential/Desirable
Demonstrable medical statistics experience including data analysis, statistical programming and statistical modelling	E
Experience in large scale data management, handling clinical data and linked data sources	E
Skilled in gathering data from multiple sources and in multiple formats with knowledge of challenges posed by data quality	E
Demonstrable experience in cleansing, validating and enriching of data	E
Experience in working with linked HES data	E
Proven SAS skills	E
Intermediate level in the use of Microsoft Word, Excel and PowerPoint	E
Excellent planning and organisational skills	E
Proven time management skills	E
Able to demonstrate dependability and reliability	E
High level of interpersonal skills with proven ability to build relationships and communicate effectively with a wide range of stakeholders at all levels	E
Able to articulate complex information and explain technical data to a non-technical audience	E
Excellent written and verbal communication skills	E
Evidence of excellent team working approach and collaborative working	E
Able to demonstrate initiative	E
Excellent analytical and problem-solving skills	E
Presentation skills	E
Report writing	E
Experience of handling biological data	E

Proven Stata skills	D
Advanced Microsoft Word, Excel and PowerPoint	D
Experience with VBA	D
Experience of teaching or training others	D
Knowledge of renal terminology	D
Demonstrable personal development	D

### Other Relevant Information

#### Equality & Diversity Aims

As a member of staff you have a personal responsibility to ensure you do not discriminate, harass or bully or contribute to the discrimination, harassment or bullying of any colleague(s) or visitors or condone discrimination, harassment or bullying by others.

#### Risk Management

Staff at all levels have a responsibility for ensuring that risks are managed, as an employee you will be expected to maintain a high level of awareness and assist in the process of reporting incidents, assessing risks and reporting unsafe occurrences and to co-operate with any investigations undertaken.

#### Health and Safety

Under the Health and Safety at Work Act 1974, as an employee, you must take reasonable care for the health and safety of yourself and for other persons who may be affected by your acts or omissions at work. The Act also states that you must not intentionally or recklessly interfere with or misuse anything provided in the interests of health, safety and welfare. As an employee you are required to report all accidents to the General Manager.

#### Information Security and Confidentiality

During the course of your employment you may have access to, see or hear information of a confidential nature and you are required not to disclose such information, particularly relating to patients or staff. All person identifiable information must be held in the strictest confidence and should be disclosed only to authorised people in accordance with NHS Confidentiality Guidelines [Caldicott] and the Data Protection Act 2018 unless explicit written consent has been given by the person identified, or where information sharing protocols allows it.

#### General Information

This job description is not intended to be an exhaustive list of duties, but it aims to highlight the typical main responsibilities of the post. It may be reviewed from time to time in agreement with the post holder.

Approved by:

Date:

Accepted by:

Date: