



Royal College  
of Surgeons  
of England

ADVANCING SURGICAL CARE

**Job Title** - Senior Data Manager/Data Scientist or Data Manager/Data Scientist

**Salary** - £38,282 to £49,908, depending on qualifications and experience

**Contract Type** - Full-time (35 hours), 2-year fixed-term contract

**Location** – Based at the Royal College of Surgeons of England, we fully support flexible working, from our superb offices in Holborn and from home. We do require staff to spend 20% of their time in the office. This is subject to role requirements.

### About us

The Royal College of Surgeons of England is one of the best known professional membership organisations in the world, with a name and reputation that speak for excellence in the UK and across the globe. We provide education, assessment and development to nearly 30,000 surgeons, dental surgeons and members of the wider surgical and dental teams at all stages of their career; we set professional standards, facilitate research and champion world-class surgical outcomes for patients.

### About the role

The roles provide a unique opportunity to be key members of the Clinical Effectiveness Unit (CEU), a leading centre for national clinical audit and research working to improve health services in the UK. The CEU is an academic collaboration between the Royal College of Surgeons of England and the Department of Health Services Research and Policy of the London School of Hygiene and Tropical Medicine (LSHTM) (<https://www.rcseng.ac.uk/surgeons/research/surgical-research/ceu>). It is internationally recognised for its large-scale studies into the quality of hospital care.

The CEU is expanding, now also hosting the National Cancer Audit Collaborating Centre (NATCAN), a new national centre of excellence to help strengthen NHS cancer services and reduce variation in cancer care.

The postholders will be part of multidisciplinary teams, including senior clinical specialists, statisticians, clinical fellows and project managers, who together deliver national clinical audits and carry out research. With the expansion of the CEU, there are opportunities to strengthen the data management and analysis processes within the unit. These new Data Managers / Data Scientists will be instrumental to providing efficient, highly collaborative innovative data science in the CEU and NATCAN. Ultimately this will improve the timely, interactive feedback to hospitals, driving improvements in care and outcomes for patients.

### Responsibilities

There are two roles available. The duties and responsibilities of each role will be split across the CEU and NATCAN, and will depend in part on the qualifications, experience, skills and interests of the post holder.

- To lead on/ support the work to improve the efficiency of data management, analysis and reporting within the CEU and NATCAN
- Efficient management of CEU/ NATCAN databases of national routine healthcare data
- To design and implement statistical analyses, reusable data pipelines and data visualisations for national clinical audit and research projects in suitable software such as SQL, R, RShiny, Stata
- To support data access requests and management of information governance related to the datasets held within the CEU/ NATCAN
- To work with project teams and carry out statistical analyses to: describe patterns of care and outcomes across different NHS organisations
- Produce dashboards and data visualisations to support local quality improvement, and support quality improvement initiatives

## About you

We are looking for applicants with

- A higher degree in medical statistics, data science, epidemiology, operational research or equivalent academic qualification
- A good understanding of health-related research methods and study designs
- Experience of managing relational databases
- Experience of undertaking analyses using large complex datasets in a statistical package
- Knowledge of data protection and information security principles
- Experience of applying information governance principles to health care data
- Good writing and organisational skills

## What we can offer you

- 27 days paid holiday + bank holidays and up to 4 college closure days
- Flexible working
- Enhanced contributory pension scheme & other leave entitlements
- Variety of learning and development opportunities
- Wellbeing programme & Employee Assistance Scheme

## Interested Candidates:

If you wish to apply please email your CV together with a cover letter to [RCSHR@rcseng.ac.uk](mailto:RCSHR@rcseng.ac.uk).

Any personal data collected from you, or that you provide to us, will be processed by us in accordance with our recruitment processes. If unsuccessful in your application, your information will be held by us on our database for a period of 6 months before deletion. If you would like your information removed sooner, please contact [RCSHR@rcseng.ac.uk](mailto:RCSHR@rcseng.ac.uk)

**Closing date: Wednesday 27 March 2024**

**Interviews: w/c 15 April 2024**

The Royal College of Surgeons of England is an Equal Opportunities Employer. We are open to all talent and we actively ensure that all qualified applicants will receive equal consideration for employment without regards to age, disability, gender reassignment, marriage or civil partnership, pregnancy and maternity, race, religion or belief, sex or sexual orientation.

The Royal College of Surgeons of England is committed to protecting your privacy. We are registered as a data controller with the Information Commissioner's Office (ICO). All College employees are responsible for records held, created and used as part of their work for the College including patient/client, corporate and administrative records. Records are managed according to the requirements of the Data Protection Act 2018. The College ensures that staff are trained to handle the information you submit to us with care and discretion, seeking advice where necessary.