

**Job Title** – Data Scientist (for Prostate Cancer UK/ National Prostate Cancer Audit)

**Salary** - £39,984 to £51,872 per annum, depending on qualifications and experience

**Contract Type** – Full- time (35 hours), fixed term contract (21 months)

**Location** – Clinical Effectiveness Unit – National Cancer Audit Collaborating Centre (NATCAN), based at the Royal College of Surgeons of England and supported by the London School of Hygiene and Tropical Medicine (LSHTM).

*The post is available for remote working at any UK location, to be discussed upon appointment. However, there is an expectation that post holders attend RCS England regularly for in person meetings*

### **About the Data Scientist role**

This Prostate Cancer UK (PCUK)-funded post offers a unique opportunity to work at the [National Cancer Audit Collaborating Centre \(NATCAN\)](#) within the Clinical Effectiveness Unit (CEU) at the Royal College of Surgeons of England (RCS England) as part of the [National Prostate Cancer Audit \(NPCA\)](#) team. NATCAN is a national centre of excellence dedicated to strengthening NHS cancer services and reducing variation in care and is the home of all 10 National Cancer Audits in England and Wales. NATCAN is the largest centre evaluating cancer services in the UK, with 45 staff members, employed at the RCS England or the LSTHM, from a wide range of backgrounds (medicine, statistics, epidemiology, data science, quality improvement, project management).

This post will support a PCUK funded partnership with the NPCA to generate new evidence on potential inequities in prostate cancer care and outcomes. This is a key role in data science as part of the NPCA team, working closely with senior cancer specialists, clinical fellows, methodologists, data managers, and other multidisciplinary team members. The post holder will develop advanced analysis and research skills in using large detailed linked national datasets.

The results of the work will be disseminated as peer-reviewed academic papers, and conference presentations as well as audit reports and their online dashboards. Work of the post holder will also include some of the following: supporting development to improve the efficiency of data analysis and reporting within the centre; working on the data flow into and within NATCAN; data validation; data science processes; automated reporting; state-of-the-art data visualisation and dashboards.

### **Responsibilities**

- Carry out statistical analyses to explore prostate cancer inequity using national datasets on hospital care and treatment.
- Extract, wrangle and curate large scale linked clinical datasets ready for analysis using SQL or statistical software
- Develop reusable data pipelines and apply algorithms to derive required variables
- Produce reports, dashboards and data visualisations to support local quality improvement
- Ensure projects comply with information governance policies
- Communicate findings in seminars, conference presentations, reports and academic journals

## About you

We are looking for applicants with:

- Bachelor Level/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 undertaking analyses using large complex datasets in a statistical package
- Evidence of contributions to written output, preferably peer-reviewed
- Experience of applying information governance principles to health care data

## About us

Join the Royal College of Surgeons of England (RCS England) and you will be part of a professional membership organisation and registered charity that is committed to advancing surgical care. We provide world-class education, assessment and development to 30,000 surgeons and dental surgeons at all stages of their career. Our vision is to see excellent surgical care for everyone. We do this by setting professional standards, facilitating research and championing the best outcomes for patients.

## Our heritage home in Lincoln's Inn Fields, Holborn

Nestled in the heart of bustling London, our beautiful heritage building in Lincoln's Inn Fields, Holborn, offers an easily accessible location steeped in history. Now transformed into a centre of excellence for surgery, it provides a welcoming place for all our members to train, meet or network, wherever they live and work.

The National Cancer Audit Collaborating Centre (NATCAN) sits within the Clinical Effectiveness Unit (CEU), based at the Royal College of Surgeons of England.

## What's in it for you?

- 27 days paid holiday + bank holidays and up to 4 college closure days over the festive period & other leave entitlements (carers leave, fertility treatment leave, etc.)
- Hybrid and flexible working. We require staff to spend a minimum of 20% of their time in the office, subject to role requirements.
- Enhanced contributory pension scheme
- Equal access to enhanced parenthood leave
- A range of staff and peer networks
- Employee health and wellbeing committed (Healthcare cash plan, menopause friendly, disability confident employer, mental health first aiders, EAP etc.)
- Retail discount platform
- Sabbatical and volunteering opportunities
- Variety of learning and development opportunities

## Interested Candidates:

**If you wish to apply or if you have any questions about this position 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: Sunday 19 July 2026

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 and ensure confidentiality. The College ensures that staff are trained to handle the information you submit to us with care and discretion, seeking advice where necessary.