

Careers using research skills, part 3 – private sector jobs

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LONDON
SCHOOL of
HYGIENE
& TROPICAL
MEDICINE



Part 1 – overview:

Defining your ‘research skills’, advice for non-UK students on UK opportunities, advice on looking outside the UK, types of organisation utilising research skills, typical job titles and grades, how/where to find out more.

Part 2 – public sector jobs:

UK – PHE, NICE, Central Government, Local Government, NHS;
Non-UK.

Part 3 – private sector jobs:

Pharma, Medical Writing, Management Consultancies, Intellectual Property.

Part 4 – ‘third sector’ and universities:

Thinktanks, Charities and NGOs, International Organisations, Universities.

What do we mean by 'private sector' (or 'public sector')?

Some relevant industries:

- Pharma;
- Management consultants;
- Medical writing/science communications;
- Intellectual property (IP).

Some job titles

Biostatistician;

Medical Writer;

Data Science Writer;

Editorial and Clinical Interpretation;

Integrated Real World Evidence and Solutions, Associate;

Health Economist;

Analyst;

Patent Attorney;

Clinical Research Associate (CRA);

Big pharma R&D;

Contract research organisations (CROs);

Pharmaceuticals market research;

Evidence base work within pharma;

[Association of the British Pharmaceutical](#)

[Industry](#) (ABPI) – careers information, links to
recruiters.

Roles within:

- Business Operations (eg communications and government affairs), Sales and Marketing;
- Manufacturing and Supply (eg manufacturing sciences, manufacturing operations) ;
- Research and Development:
 - Clinical Programming;
 - Drug Design and Selection;
 - Production Development and Supply;
 - Regulatory Affairs
 - Research and Development (Consumer Healthcare);
 - Research and Development (Vaccines);

Application cycle starts in the Autumn for the following September.

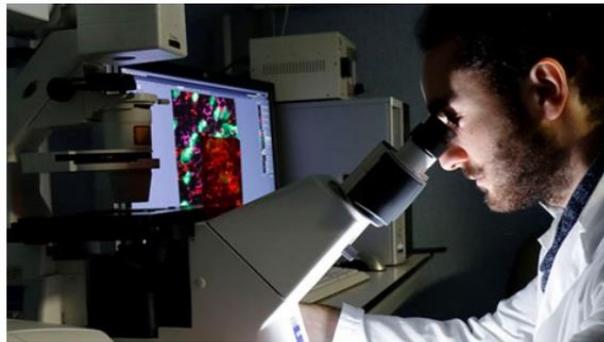
GSK – with PhD or postdoc

[More information here \(https://www.gsk.com/en-gb/careers/postgraduate-opportunities/\)](https://www.gsk.com/en-gb/careers/postgraduate-opportunities/)



Esprit R&D Development Programme

We are looking for data scientists to join our biostatistics Esprit R&D development programme, could this be you?



Postdoctoral R&D

Are you an exceptional postdoc or PhD scientist with strategic decision-making skills? If you would like to work on critical R&D challenges



Postdoctoral Immunology Catalyst

If you are an exceptional PhD scientist with a background in immunology or a related field, join our Immunology Catalyst R&D facility.

[IQVIA](#)[™] is The Human Data Science Company[™], focused on using data and science to help healthcare clients find better solutions for their patients. Formed through the merger of IMS Health and Quintiles, IQVIA offers a broad range of solutions that harness advances in healthcare information, technology, analytics and human ingenuity to drive healthcare forward.

About us

IQVIA is a world leader in using data, technology, advanced analytics and expertise to help customers drive healthcare - and human health - forward. Together with the companies we serve, we are enabling a more modern, more effective and more efficient healthcare system, and creating breakthrough solutions that transform business and patient outcomes.

REQUIRED KNOWLEDGE, SKILLS AND ABILITIES

- Basic knowledge of, and skill in applying, applicable clinical research regulatory requirements; i.e., Good Clinical Practice (GCP) and International Conference on Harmonization (ICH) guidelines....

MINIMUM REQUIRED EDUCATION AND EXPERIENCE

- Bachelor's degree in a health care or other scientific discipline or educational equivalent, and successful completion of a CRA Trainee Program or 3+ months of on-site monitoring experience; or equivalent combination of education, training and experience.

- Contribute to the design, execution and reporting of real-world database (RWD) studies;
- Contribute to the writing of study protocols, statistical analysis plans and study reports;
- Provide scientific and methodological expertise to teams and clients on various aspects of study design to address research questions;
- Develop abstracts, manuscripts and/or presentations to conferences for projects;
- Contribute to business development activities and proposal writing;
- Contribute to improving operational efficiencies of workflows, including writing of internal guidance documents (e.g., SOPs and quality management documents).

- MPH, MSc, PhD or an equivalent degree in epidemiology, public health or a related discipline;
- Experience designing and executing prospective or retrospective database studies;
- Commitment to working collaboratively and effectively with people of other disciplines;
- Excellent time management skills, contributing to multiple projects with competing timelines;
- Strong written and verbal communication skills;
- Fluency in English (spoken and written).

Preferred Qualities

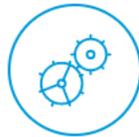
- Exposure to working with large real-world healthcare databases;
- Excellent communication skills;
- Prior experience working in a consultancy, CRO or healthcare services;
- Publications in peer reviewed journals and/or abstracts in scientific conferences.

Now part of PPD (Contract Research Organisation) [Website](#)

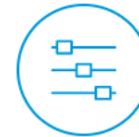
Our Offerings



Real-World Evidence & Data Solutions



Non-Interventional Studies



Interventional Studies



Patient-Centered Research



Evidence Synthesis, Modeling &
Communication



Value & Development Consulting



Medical Writing

What is Management Consultancy?

Long-term purposes and objectives – plans for expansion, change, efficiency improvements /savings

The provision to management of **objective advice and assistance** relating to the **strategy, structure, management and operations** of an organisation in pursuit of its **long-term purposes and objectives**. Such assistance may include the **identification of options with recommendations; the provision of an additional resource; and/or the implementation of solutions.**

To provide objective advice:

- Assess current situation
- Research options being considered
- Analyse and evaluate evidence

Recommendations: drawing the evidence together and coming up with proposals

Strategy tends to be looking forward; Structure, management and operations may involve advising on changes to implement

Some management consultants



[Costello Medical](#) provides scientific support in the analysis, interpretation and communication of clinical and health economic data.

Bazian

an Economist Intelligence Unit business healthcare



[Bazian](#) specialises in applying clinical evidence to help optimise health within limited healthcare budgets.

[Carnall Farrar](#): We are a management consultancy and analytics company dedicated to improving health and care.

What Background Should You Have?

- A degree level or higher qualification in a relevant discipline (minimum 2.1). Relevant disciplines are those with a considerable technical/mathematical component, such as mathematics, economics, physics or computer science.

A postgraduate degree in which modelling or statistics was the principal component would be desirable, although not obligatory

- Advanced skills in Excel and a good understanding of statistics. Experience of having applied economic and mathematical modelling techniques in an industry setting would be highly desirable, although is not essential
- A high-level of technical and mathematical ability
- Excellent written and oral communication skills and the ability to explain complex modelling techniques and results to non-experts
- A high degree of accuracy and attention to detail
- Flexibility to respond to changing deadlines

Biostatistician (Costello)

Essential requirements for the role are:

A degree level or higher qualification in a scientific or mathematical discipline (minimum 2.1) is required, although a Masters or PhD would be highly advantageous. A focus on **statistics and data analysis is essential**.

A **good understanding of the SAS programming language and R programming language**. A willingness to trial, explore or recommend new software that may suit specific projects would also be useful.

The successful applicant will have the **technical and mathematical ability**, coupled with the written and oral communication skills, to **explain complex techniques and results to non-experts**.

A high degree of **accuracy and attention to detail** is necessary, along with the ability to maintain a **high level of customer service** and the **scientific quality of deliverables under multiple competing demands**. You should possess the **flexibility to respond to changing deadlines**.

The ability to **use your initiative and work independently**, in addition to **working collaboratively within project teams**.

Excellent written English is fundamental; this will be assessed during the selection process

Desirable requirements for the role are:

Knowledge of CDISC, SDTM and ADaM.

Experience in and/or knowledge of clinical processes or trials.

Awareness of international standards for statistical analysis, such as the ICH Statistical Principles for Clinical Trials.

Our team includes **clinical doctors, epidemiologists, health researchers, information specialists**, and includes some of the best known and most skilled producers of evidence-based medicine in the field. We are always looking for talented people to join and grow with us, so feel free to send us a CV. In particular, we're always interested in **public health doctors, statisticians and scientists** with a **passion for using evidence to improve health systems**... so if that's you, please get in touch.

Bazian

an Economist Intelligence Unit business healthcare

Health marketing and communications.

Brings together different agency brands.

- Medical writer roles (different levels of seniority);
- Strategist;
- Account manager.

[Website.](#)



Example: [J A Kemp](https://www.jakemp.com/) (<https://www.jakemp.com/>)

Up to 6 trainee patent attorneys per year.

Candidates should have an excellent track record of achievement at school and university with a minimum of a 2.1 honours degree in a scientific or technical subject, preferably physics, engineering, computer science, chemistry or biosciences such as molecular biology, biochemistry, genetics, immunology or plant sciences. We are open to applications from candidates holding or studying for a Bachelor's, Master's or PhD degree.



Patents



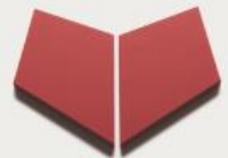
Trade Marks &
Designs



IP Litigation



IP Strategy



SPCs and
Regulatory

The series (reminder)

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