The Medicines and Healthcare products Regulatory Agency enhances and improves the health of millions of people every day through the effective regulation of medicines and medical devices, underpinned by science and research. The agency is made up of circa 1300 staff working across two main centres and peripatetically across the UK and abroad.

A centre of the agency, the National Institute for Biological Standards and Control (NIBSC) is a global leader in the characterisation, standardisation and control of biological medicines. NIBSC plays a major role in assuring the quality of biological medicines worldwide through the provision of biological reference materials, by testing products and carrying out research. Our expert scientists also provide advice on a routine basis and in response to emergencies.

**Purpose of the role:**

The Biostatistics group collaborates closely with the various scientific divisions at NIBSC (Vaccines, Biotherapeutics, Advanced Therapies, Analytical Sciences) and is responsible for several activities including:

- the design, analysis and interpretation of international multi-centre collaborative studies to establish International Standards and other reference materials
- providing statistical support for NIBSC control functions within the framework of the Institute quality system (experimental design and analysis, data monitoring and review, development and validation of software for analysis)
- supporting NIBSC’s research and development programme through statistical consultancy, data analysis and the development of methods, software and statistical applications.

The post-holder is expected to provide professional statistical expertise that will contribute to all of these activities, applying appropriate statistical analysis methods and clearly communicating results and conclusions to collaborating scientists and senior statisticians, through discussion, reports and presentations. A broad range of statistical techniques will be used, including common statistical methods (e.g. ANOVA, linear regression, design of experiments) for which candidates are expected to have a good working knowledge, together with more specialised methods applicable to biological experiments for which guidance and training will be provided by other statisticians in the group.

**Qualifications required:**

Degree or equivalent in Statistics, Mathematics or related field.

**Competencies:**
You will be asked to supply evidence of meeting these competencies when you apply.

- A broad working knowledge of applied statistics. Please include information on courses and modules you have studied or are studying.

- Experience in the application of statistical methods. Please describe a statistics or mathematics project you have undertaken.

- Strong IT skills and competence with a range of statistical software packages (ideally including SAS and/or R). Please give examples of how you have used these packages.

- A high level of communication skills, both verbal and written. Please give examples of explaining statistical or mathematical methods, results and conclusions to non-statisticians.

- Good inter-personal skills for working as part of project teams and developing productive working relationships with collaborators. Please describe how you collaborated with others on a piece of work.

- Good planning and organisational skills when working on multiple projects and flexibility to adapt to changing priorities. Please give an example.

**MHRA values:**

- Innovative
- Proactive
- Impartial
- Evidence-based
- Open
- Trustworthy

https://www.statsjobs.com/job/statistician-6/