**Job Title:** Clinical Trials Statistician  
**Unit/School/Faculty:** Institute of Global Health Innovation (IGHI), Faculty of Medicine  
**Campus location:** St Mary’s (Paddington)  
**Job Family/Level:** Professional, Technical and Operational, Level 3b  
**Responsible to:** Director of IGHI (Professor Lord Darzi); Chief Scientific Advisor (Mr Hutan Ashrafian)

**Key Working Relationships**  
(internal): Clinical Research Fellows (IGHI)  
(external): Imperial College Healthcare NHS Trust (ICHNT)

**Contract type:** Full time, fixed-term for 12 months in the first instance

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**Purpose of the Post**

This role will provide support as a Clinical Trials Statistician located within the Institute of Global Health Innovation (IGHI), where they will join a diverse group of researchers working on trials of novel digital healthcare technologies.

The post holder will provide statistical input and trial coordination to digital healthcare interventions, specifically including the clinical alerting app, Streams for which we have recently been awarded a Health Data Research UK (HDR UK) Sprint Exemplar project: [https://www.hdruk.ac.uk/projects/hospital-wide-smartphone-app/](https://www.hdruk.ac.uk/projects/hospital-wide-smartphone-app/). This project, funded by the UK Research and Innovation’s Industrial Strategy Challenge Fund (ISCF), will implement this platform within Imperial College Healthcare NHS Trust (ICHNT), comprising five hospitals sites across North West London under the supervision of the ICHNT Quality Improvement Team.

This is a unique opportunity for the post holder to support digital trials from the initial set up stage as well as being involved in developing new applications for future funding and will work closely with the digital health and AI research team at IGHI. They will provide support on all aspects of a trial including contributing to the protocol, writing the statistical analysis plan, reviewing the case report forms, undertaking analysis and participating in regular trial meetings.

The post-holder will also contribute to several other IGHI digital, AI and healthcare projects working closely and collaboratively with other experienced researchers both internally at Imperial and across partner academic, clinical and industry institutions. In this role they will support and advise investigators who are submitting applications for peer-reviewed funding streams for a broad range of health service research. This will include providing written and oral advice on aspects such as the research design, funding stream and statistical aspects of the application.

**Key Responsibilities**

The main duties of the post will include:

- To work independently in planning day to day activities with regards to project deadlines under the supervisor of a senior researcher/ Chief Scientific Advisor  
- To provide advice as a general advisor to investigators seeking  
- To provide advice on statistical design and analysis for new projects at the application stage and contribute to the writing of grant applications  
- To write Statistical Analysis Plans and contribute to protocols and other required trial documentation under the supervisor of a senior researcher
Job Description

- To perform and write reports for interim and final analyses for trial steering, data monitoring committees, and funding bodies
- To undertake all tasks in accordance with best practice and standard operating procedures
- To promote and disseminate findings of research activities through local, national and international meetings and peer-reviewed articles
- To continue professional development such as attending appropriate meetings and conferences.
- To maintain a good working relationship with members of the trial co-ordination, IT and clinical teams and advise on statistical issues, as necessary (e.g. advise on randomisation procedures, eligibility, timing and interpretation of analyses).
- To undertake appropriate administration tasks to support the project and statistical team working

Other Duties
- To be responsible for ensuring that data is accurate, up-to-date and complete.

Person Specification

Requirements
Candidates/post holders will be expected to demonstrate the following

<table>
<thead>
<tr>
<th>Education</th>
<th>Essential (E)/Desirable (D)</th>
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<tr>
<td>First degree (1st or 2nd Class) or equivalent in a subject containing a substantial coverage of statistical theory, methods and practice (at least 50% of the final year) or a taught master’s degree or equivalent in Statistics, Medical Statistics or a subject with substantial high-level statistics content</td>
<td>E</td>
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<tr>
<td>PhD in statistics or medical statistics or extensive equivalent experience</td>
<td>D</td>
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Experience
- Extensive experience of using standard statistical packages, such as STATA, R and SAS | E |
- Experience of working with complex data sets | E |
- Experience of manipulating/cleaning data | E |
- Experience of writing reports of statistical analyses | E |
- Experience of working independently on statistical analyses | E |
- Evidence of having made a significant contribution to writing proposals | E |
- Track record of publications in peer-reviewed journals | E |
- Experience of working in clinical trials | E |
- Experience in data analysis in clinical trials, using modern statistical modelling techniques | D |
- Evidence of teaching and teaching support | D |
- Experience of teaching statistics or research methods | D |
- Experience of providing advice as a statistical consultant | D |

Knowledge
- Demonstrable interest in clinical trials | E |
- Understanding of the fundamental principles of clinical trials | E |
- Understanding of the ethical issues relating to medical research and clinical trials | D |
- Knowledge of the design of observational, interventional research studies and systematic review methodology | D |

Skills & Abilities
- High level analytical capability | E |
- Excellent oral and written communications skills | E |
- Knowledge of the requirements of funding bodies | E |
- Effective project management skills | E |
- Ability and willingness to comply with clinical trials legislation and Good Clinical Practice requirements | E |
- Evidence of ability as an applied statistician | E |
Job Description

| Ability to explain complex statistical issues to non-statisticians | E |
| Good report writing skills | E |
| Ability to work to deadlines and prioritise tasks | E |
| Ability to work both as an individual and as part of a team | E |
| Ability to work within in a multidisciplinary environment | E |
| Ability to lead discussions with senior clinicians and academics and provide influential input | D |
| Skills in appraising and giving constructive feedback with an ability to relay complex information in a clear and concise manner | D |

Please note that job descriptions cannot be exhaustive and the post-holder may be required to undertake other duties, which are broadly in line with the above key responsibilities.

Imperial College is committed to equality of opportunity and to eliminating discrimination. All employees are expected to follow the 7 Imperial Expectations detailed below:

1) Champion a positive approach to change and opportunity
2) Encourage inclusive participation and eliminate discrimination
3) Communicate regularly and effectively within and across teams
4) Consider the thoughts and expectations of others
5) Deliver positive outcomes
6) Develop and grow skills and expertise
7) Work in a planned and managed way

Employees are also required to comply with all College policies and regulations paying special attention to:

- Confidentiality
- Conflict of Interest
- Data Protection
- Equal Opportunities
- Financial Regulations
- Health and Safety
- Information Technology
- Smoking
- Private Engagements and Register of Interests
- Equal Opportunities
- Financial Regulations
- Information Technology
- Smoking
- Private Engagements and Register of Interests

They must also undertake specific training and assume responsibility for safety relevant to specific roles, as set out on the College Website Health and Safety Structure and Responsibilities page.

Committed to equality and valuing diversity, we are an Athena SWAN Silver Award winner, a Stonewall Diversity Champion, a Disability Confident Employer and work in partnership with GIRES to promote respect for trans people.