Job Description	
JOB TITLE	Statistical Programmer
REPORTING RELATIONSHIP	Senior Biostatistician
DIVISION	Biostatistics and Data Science Division
EMPLOYMENT DURATION	24-month fixed term contract (renewable)
TYPE OF EMPLOYMENT	Full time
DATE	1 September 2022

The George Institute for Global Health

The George Institute (TGI) employs 600+ people, focused on improving the health of millions of people worldwide. As a medical research institute affiliated with leading universities (UNSW, University of Oxford, Peking University Health Science Center) and with projects in approximately 50 countries, we are challenging the status quo in healthcare to find the best ways to prevent and treat chronic disease and injury, and to influence policy and practice worldwide. Our innovative commercial enterprises help maximise our impact.

Here is a sample of the things we are doing to achieve our goal of having the greatest possible impact on global health:

- We are identifying better and safer treatments for our biggest killers like stroke, heart disease and high blood pressure;
- In many countries, our award winning FoodSwitch smartphone app is helping people make healthy food choices when shopping;
- In China, we ran a successful education and awareness program to reduce the amount of salt eaten by people by 25% each day, potentially saving up to 125,000 lives a year;
- In rural India, we have shown that mobile technology can help diagnose mental health, as well as help treat cardiovascular disease, and we're looking at similar approaches to treating chronic diseases in Indonesia and China;
- Together with Aboriginal communities in NSW, Australia, we have developed an innovative community led program to assist young Aboriginal drivers attain their license, now implemented in a dozen of locations;
- We are developing an affordable dialysis machine, with potential to save millions of lives each year and transform the way kidney disease is treated globally.

Context of the Role

The Biostatistics and Data Science division is responsible for the provision of statistical expertise to support the research done at the George Institute; this includes clinical trials, meta-analyses, observational studies, surveys as well as teaching and the development of new statistical methods. Occasionally, the team also provides services to external organisations including the ones contracted via George Clinical, the commercial arm of the George Institute.

The Role

The Statistical Programmer is responsible for the analysis of medical research projects conducted by The George Institute for Global Health in Australia and globally.

Reporting Relationships

The Biostatistician will report to a Senior Biostatistician in Sydney and will work closely with researchers within the Institute. The role has no direct reports.

Duties and Key Responsibilities

- Work in collaboration with, and provide statistical expertise to the research staff at the Institute
- Prepare derived datasets for the analyses using SAS or R
- Program and validate statistical analyses in SAS or R
- Prepare and deliver reports for interim and final analyses
- Assist with the creation of statistical analysis plans
- Contribute to the interpretation and publication of research results
- Keep abreast of statistical programming advances
- Comply with all institute policies and SOPs

As a Team Member:

- Participate in special projects to improve processes, tools, systems and organisation;
- Take responsibility for personal learning and development and for setting achievable and meaningful work objectives and managing personal targets, meeting obligations of The Institute's Performance Management and Development Policy;
- Demonstrate commitment to The Institute's organisational values, including performing to an exceptionally high ethical standard and focus on integrity, collaboration and teamwork in all efforts.

Work, Health and Safety

- Comply with Work Health and Safety legislation and operate in accordance with established Occupational Health and Safety practice and procedures at the Institute;
- Promote and contribute to a safe, secure environment for staff and visitors.

Skills, Knowledge and Experience

- Graduate qualifications in Statistics or related discipline
- Basic understanding of probability and statistics theory
- Sound understanding of descriptive statistics and simple hypothesis tests
- In-depth working knowledge of at least one leading statistical software (SAS, R or Stata) including macro/function programming
- Sound understanding of data management principles and regulatory requirements for clinical trials and health research
- Good written and verbal communication skills
- Excellent interpersonal skills with a strong focus on quality and timely delivery of work
- Experience in working collaboratively in a team with researchers and other statisticians
- Good written and verbal communication skills
- High level problem solving, analytical, and strategic thinking skills
- Ability to see the big picture, whilst still maintaining a focus on detail and implementation
- Ability to be flexible and adaptable in the face of changing organisational priorities and ambiguous environments

- Strong focus on quality of work.