



## Position Description

**POSITION TITLE:** Biostatistician  
**LOCATION:** SAHMRI, North Terrace  
**REPORTS TO:** Lead Senior Biostatistician  
**DEPARTMENT:** Clinical Research and Registry Science

### PURPOSE AND SCOPE OF THE POSITION

Provide statistical support primarily to the Australian Orthopaedic Association National Joint Replacement Registry (AOANJRR). The registry collects data on all arthroplasty procedures undertaken in Australia.

Reporting to the Lead Senior Biostatistician, the position will work closely with SAHMRI biostatisticians and data managers, the Senior Manager and AOA personnel.

There are no direct reports for this role.

The level of appointment will depend on qualifications and relevant experience.

### KEY RESPONSIBILITIES

The specific duties include:

- Assist in the management of data collected through the registry and the preparation of routine reports
- Participate in and contribute to ongoing research projects and clinical studies.
- Contribute to the design, development and application of statistical methods.
- Collaborate with multidisciplinary teams, including clinicians, biostatisticians, data managers, and researchers.
- Assist stakeholders and researchers in the preparation of written reports and manuscripts for publication.
- Keep abreast of and apply new statistical methods.
- Participate in special projects to continuously improve processes.
- Take reasonable care to protect own health, safety and welfare at work and avoid affecting the health and safety of any other person at work.
- Participate in the implementation of the Institute's Work, Health and Safety Management System and related laws, regulations and guidelines.
- Ensure that duties are performed in keeping with the principles outlined in SAHMRI's Vision, Mission and Values and the **Code of Conduct Policy**.

### SPECIAL REQUIREMENTS

- Some out of hours work may be required.



## Person Specification

### QUALIFICATIONS

- Essential: Relevant honours degree in statistics, biostatistics or mathematics
- Desirable: Postgraduate research degree (Master's or PhD or equivalent) or relevant work experience in a similar role

### EXPERIENCE, KNOWLEDGE, AND SKILLS

- In-depth understanding of biostatistics concepts including clinical design and the theory of statistical modelling
- Demonstrated knowledge of and experience in statistical analysis of research data (including survival, linear mixed models and analysis of longitudinal data)
- Knowledge of and experience in programming using statistical software programs such as SAS or R
- Excellent communication skills, both written and verbal with the ability to interpret and explain results of statistical analyses to others
- Familiarity and experience in a health-related environment with large-scale observational databases
- Understanding of data management and cleaning principles for large scale clinical research
- Ability to build relationships and establish rapport within a team environment
- Detail-oriented with strong organizational and time management skills to complete work within required timeframes.
- Support SAHMRI's commitment to reconciliation and acknowledge the importance of working in partnership with Aboriginal and Torres Strait Islander People
- Able to demonstrate the following SAHMRI Values and Culture:
  - **Excellence** – Bold, Driven, Dynamic
  - **Innovation** – Persistent and Focused
  - **Courage** – Collaborative and Enabling
  - **Integrity** – Embrace Diversity, Demand Equity
  - **Teamwork** – Friendly, Fast, Flexible, Fun