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POSITION DESCRIPTION

Senior Statistician

Faculty/Division	Medicine & Health
Classification Level	Professional 8
	G - Administrative, Clerical, Computing, Professional & Research Staff
Hours & Span (Category)	
Position number	00187187
Shiftwork status	NOT SHIFTERWORKER
Allowances	Nil
On call arrangements	Nil
Original document creation	4 September 2023

Position Summary

The Senior Statistician plays a lead and strategic role within the Sydney Brain Centre in the planning, development and implementation of projects across the Sydney Brain Centre.

The Senior Statistician will be responsible for overseeing the statistical aspects of clinical trials and research projects within the Sydney Brain Centre. The position involves closely working with Sydney Brain Centre and affiliated multidisciplinary research teams in the design, development and application of statistical methods with a focus in health economic outcomes.

The role reports to the Professor, Director of Sydney Brain Centre, South West Sydney Clinical Campuses, Faculty of Medicine and Health.

Accountabilities

Specific accountabilities for this role include:

- Oversee the statistical aspects of clinical trials and research projects, ensuring the highest level of accuracy
- Lead the design, development and application of statistical methods with a focus in health economic outcomes
- Lead and manage specific research projects and clinical studies including solving complex issues or concerns that arise from the project.

- Contribute to the build of economic models for specific research projects
- Manage and coordinate new statistical methods.
- Prepare publications for submission to peer reviewed journals.
- Lead effective communication with key stakeholders and provide influential input with stakeholders to achieve project outcomes.
- Align with and actively demonstrate the UNSW Values in Action: Our Behaviours and the UNSW Code of Conduct
- Cooperate with all health and safety policies and procedures of the university and take all reasonable care to ensure that your actions or omissions do not impact on the health & safety of yourself or others

Skills and Experience

- Postgraduate research degree (Master's or PhD or equivalent) in biostatistics or relevant work experience in a similar role
- Extensive experience in health policy, health economics, drug/medical device reimbursement and technology assessment in Australia
- In-depth understanding of probability and statistics theory
- Demonstrated knowledge of and experience in statistical analysis of research data
- Experience building multivariate models including mixed effects models, parametric survival models, and other regression models
- Knowledge of and experience in programming using statistical software programs such as SAS, STATA, Excel/VBA or R
- Knowledge of and experience in working with patient reported outcomes, time in motion studies, and healthcare resource utilisation data
- Knowledge of and experience in building economic models, obtaining input data, populating and validation of the models
- Knowledge of and experience in systematic literature searches and evidence synthesis
- Ability to explain and interpret results of statistical analyses to others
- Understanding of data management principles for large scale clinical research
- Demonstrated success writing peer reviewed articles with excellent attention to detail
- Ability to build relationships and establish rapport within a small team of researchers
- Efficient time management skills to complete work within required timeframes
- An understanding of and commitment to UNSW's aims, objectives and values in action, together with relevant policies and guidelines.
- Knowledge of health and safety responsibilities and commitment to attending relevant health and safety training.

This Position Description outlines the objectives, desired outcomes, key responsibilities, accountabilities, required skills, experience and desired behaviours required to successfully perform the role.

This template is not intended to limit the scope or accountabilities of the position. Characteristics of the position may be altered in accordance with the changing requirements of the role