

POSITION DESCRIPTION

RESEARCH FELLOW

POSITION LEVEL	Level B
FACULTY/DIVISION	Medicine
POSITION NUMBER	00091796
ORIGINAL DOCUMENT CREATION	11/12/ 2020

POSITION SUMMARY

A Research Fellow - Epidemiologist/Statistician (Level B) is expected to carry out independent and/or team-based epidemiological and statistical research using large health datasets. The Research fellow will provide support across projects within the National Perinatal Epidemiology and Statistics Unit (NPESU) in the Centre for Big Data Research in Health.

The role of Research Fellow - Epidemiologist/Statistician reports to the Professor and Director of the NPESU and has no direct reports.

ACCOUNTABILITIES

Specific accountabilities for this role include:

- Engage in individual and/or collaborative epidemiological and statistical research in reproductive, perinatal and newborn health.
- Create scholarly impact in the discipline which is recognised by peers in the advancement of disciplinary knowledge.
- Prepare data management and data analysis plans and undertake data management and data analysis, including the application of advanced statistical techniques to large, complex longitudinal and linked data sets.
- Prepare ethics applications, scientific papers, reports and conference abstracts and present research findings at meetings, workshops and conferences.
- Critically appraise and synthesise research evidence and conduct systematic literature reviews.
- Independently design and undertake research projects using population and linked datasets.

- Assist in the supervision and mentorship of staff and students and supervise research and data analysis performed by other team members.
- Independently develop strategies to ensure effective and efficient research management
- Contribute to the development of applications for competitive funding and tenders for commissioned research under the guidance of senior colleagues.
- Convene and attend meetings associated with research projects or work of the organisational unit at departmental and/or faculty meetings and/or relevant committees.
- 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 and safety of yourself or others.

SKILLS AND EXPERIENCE

- A PhD in biostatistics, epidemiology or applied statistics, or a postgraduate qualification in one of these fields plus relevant work experience.
- Demonstrated track record in research with outcomes of high quality and high impact with clear evidence of the desire and ability to continually achieve research excellence as well as the capacity for research leadership.
- Strong understanding of theory and methods relating to the design of epidemiological studies and the statistical analysis of health-related data.
- Demonstrated experience in the management and analysis of large complex health datasets and the analysis of linked longitudinal data.
- Demonstrated ability to maintain the strictest confidentiality when dealing with sensitive data and an understanding of ethical principles relating to privacy and confidentiality.
- Highly developed data analysis skills and experience in the use of several statistical packages.
- Demonstrated ability to conceptualise novel research questions in areas relevant to public health or health services research and to develop these into research outputs.
- Evidence of highly developed interpersonal and communication skills and ability to network effectively and interact with a diverse range of students and staff.
- Evidence of highly developed organisational skills and demonstrated ability to work in a team, collaborate across disciplines and build effective relationships.
- 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.

PRE- EMPLOYMENT CHECKS REQUIRED FOR THIS POSITION

- Verification of qualifications

ABOUT THIS DOCUMENT

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.