Position Description – Biostatistician/Statistician

We are here to	**Our work will**
Enable people to make and act on the best decisions about medicines, health technologies and other options for better health and economic outcomes.	Ensure people can access the best care and achieve the best value, considering individual circumstances.

Courage   Customer Centricity   Collaboration   Integrity   Accountability

About the role – Based in Sydney

NPS MedicineWise has established an excellent reputation for our work in programs, products and services to improve the quality use of medicines and medical tests in Australia. This role is responsible for providing statistical design and analyses to evaluate the impact of NPS MedicineWise programs on medicine and medical test utilisation.

Key responsibilities

1. Design, implement and interpret appropriate statistical methods to explore and analyse the impact of NPS MedicineWise programs on the use of medicines and medical tests, medication adherence and patient health outcomes as recorded in PBS, MBS data, MedicineInsight datasets and other datasets such as 45andUp
2. Develop methods to manipulate and manage large data sets, including implementing various strategies to improve data quality and ongoing data management for key datasets used in the evaluation of programs
3. Provide input into the ongoing design requirements and contribute to enhancement of systems and processes for data collection, storage and management
4. Identify opportunities for the acquisition of data sources to enhance the evaluation of programs and support data access proposals and business development projects with technical advice and/or analysis
5. Provide input into team planning, decision making, policy and process implementation and other work to achieve organisational objectives
6. Present and interpret statistical analyses to internal and external stakeholders
7. Prepare and contribute to new projects, reports, scientific publications and review of data access applications as required.

General corporate responsibilities

1. Carry out responsibilities in the role in a manner that is consistent with NPS MedicineWise competencies and values
2. Proactively work towards and meet agreed annual and interim performance indicators
3. Take responsibility for WHS in accordance with policy and relevant legislation

4. Be aware of responsibilities to identify, reduce and report risks to our business in accordance with the NPS MedicineWise Risk Management Policy.

Challenges you'll encounter

- Working on multiple and complex projects with tight timeframes
- Adapting established methods and developing novel methods to address emerging health policy and practice problems
- Addressing complex and technical problems with data quality
- Collaboration with a diverse cross functional team to add value and build on current capacity to understand how medicines are prescribed more accurately.

Role Requirements

- Postgraduate qualification in Biostatistics or Statistics, or a closely related quantitative field
- Experience in statistical data modelling using time series analysis and/or Bayesian statistics
- Demonstrated experience in the collation, evaluation, interpretation and presentation of statistical analyses with statistical programming languages such as SAS and/or R
- Experience in cleaning, merging, and managing large data sets, including implementing various strategies to maximise data quality and integrity
- Ability to work independently and collaboratively in a team environment to achieve project goals
- High level problem solving, analytical and strategic thinking skills
- Excellent verbal and written communication skills

Role Desirables

- Experience with health-related administrative data such as PBS and MBS
- Understanding of Australian health care system
- Australian citizen willing to undergo baseline security check
- Understanding of statistical methods and study design in clinical trials
- Experience using linked data

Last updated: December 2019