NPS MEDICINEWISE

Position Description – Senior Epidemiologist (part time)

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 the design, development and implementation of epidemiological studies for the analysis of NPS MedicineWise programs. This will include designing and conducting epidemiological studies including drug utilisation surveillance, health outcomes and economic studies, pharmaco-vigilance reporting and randomised controlled trials. Data sources include PBS and MBS data, longitudinal studies, GP data contained in MedicineInsight and other sources such as randomised controlled trials.

Key responsibilities

1. Develop and apply appropriate pharmaco-epidemiological methods, and SAS programs to explore and analyse medicine and medical test use in MedicineInsight, PBS and MBS datasets
2. Co-ordinate the development, analysis and production of drug utilisation reports to assist policy and program development
3. Develop methods to assess, monitor and improve data quality for programs
4. Apply technical skills and understanding for analysis and reporting
5. Provide advice on the ongoing design requirements for ethics proposals, data collection, cleaning, manipulation, storage and management
6. Support data access and business development projects and contribute to the enhancement of systems and processes
7. Provide technical advice to internal and external stakeholders
8. Contribute to research activities and assist with health outcomes and cost-benefit analyses of programs where needed
9. Prepare and contribute to new projects, reports, journal papers, conference presentations, review of data access applications as required
10. Provide external representation at meetings and conferences as delegated
11. Support the Team Leader with team planning, decision making, policy and process implementation and other work to achieve organisational objectives
12. Undertake other duties as required by your manager.

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 and tests ordered more accurately.

Role Requirements

- Relevant postgraduate qualifications in epidemiology, public health and/or biostatistics
- Excellent understanding of pharmaco-epidemiological and bio-statistical analysis methods
- Strong analytical skills
- Extensive experience using SPSS and SAS analytical software and TreeAge software
- Experience in interpreting and writing about statistical findings
- Experience in the analysis and interpretation of large complex health datasets including linked data
- Experience in conducting health economics studies
- Experience in epidemiological study design
- Strong organisational and project management skills
- Ability to independently solve problems and manage personal work priorities
- Confident presentation skills and ability to present complex information in a concise and meaningful manner
- Demonstrated excellent written and oral communication
- Demonstrated high level computer literacy
- Understanding of Australian health care system

Role Desirables

- Pharmaco-epidemiology qualifications
- Experience with PBS, MBS, linked datasets and general practice data
- An understanding of key issues related to the safe, effective and appropriate use of medicines
- Proven publication record in peer-reviewed journals
- Prepared to apply for baseline security clearance
- Australian citizen

Last updated: 9 April 2019