Biostatistician

Job Ad Reference:	MS02363195
Status:	Temporary full time position (up to 12 months)
Unit/Department:	Qld Cancer Control Analysis Team (QCCAT), Cancer Alliance Queensland (CAQ), Cancer Services, Princess Alexandra Hospital
Location:	Burke Street Centre, Woolloongabba, Metro South Hospital and Health Service
Contact:	Gary Francois (07) 3176 4400	**Salary range:** $4454.80 to $4780.90 per fortnight
Classification:	PO5	**Closing date:** Friday 12 March 2021
Online applications:	https://metrosouth.health.qld.gov.au/job-vacancies

Applications from third parties will not be accepted

Purpose of the role

- Provide statistical support and advice to the Queensland Cancer Control Analysis Team, the Queensland Cancer Control Safety and Quality Partnership, Hospital and Health Service clinical cancer networks, and clinical researchers in oncology and related disciplines.

- Direct and coordinate the analysis of the Queensland Oncology Repository (QOR) data to identify and explore areas for improvement in cancer network services and clinical practice.

Your key responsibilities

- Fulfil the accountabilities and responsibilities of this role in accordance with Metro South's purpose and objectives, as outlined below.
- Staffing and budget responsibilities:
  - This role reports to the Manager Technologies (QCCAT).
  - This role oversees and has responsibilities for the following reporting lines: Data Analysts and Analysts.
  - Indirect relationships exist between the, Senior Director QCCAT, Manager Cancer Control QCCAT, State-wide Cancer Clinical Network, Regional Networks, Queensland Hospital and Health Services, other Queensland Health Branches, tertiary education sector, Cancer Australia, national and international health services, commercial organisations, non-government organisations and professional associations.
  - The biostatistician will provide direction on statistical analysis to the QCCAT Data Analyst position(s).
- Provide clinicians and cancer network managers with relevant statistical tools and measures to evaluate cancer care and set clear and quantifiable targets for cancer service quality improvement.
- Perform robust and systematic analysis of cancer data using appropriate statistical methods including regression modelling, survival analysis, and exploratory data visualisation and data mining techniques.
- Write and summarise results of analysis for publication in scientific journals and presentation in conferences and other relevant venues.
- Identify research opportunities and projects in cancer service quality improvement and clinical practice evaluation.

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- Assist the Manager QCCAT Technologies and Cancer Control in developing strategies and specific objectives for utilising data and information technology to support clinical practice and service improvement initiatives in the cancer network.
- Proactively develop own technical and statistical skills to support the future development of the QOR.
- Direct QCCAT Data Analysts in the design and development of the Oncology Analysis System.
- Support the analytical requirements of QCCAT staff by providing training in statistical methods or coordinating the necessary resources.
- Comply with and utilise procedures, policies and regulations and standards which impact upon the position, including contemporary human resource management requirements and practices, such as workplace health and safety, equal employment opportunity and antidiscrimination policies.
- Act in accordance and ensure compliance with workplace health and safety, equal employment opportunity and anti-discrimination requirement.
- Ensure patients and other staff are treated fairly and with mutual respect and understanding, regardless of cultural, religious, ethnic and linguistic backgrounds.
- Lead and manage staff by fostering and committing to patient safety and quality in the delivery of health care by maintaining and evaluating safety and quality practices and initiatives.

Mandatory qualifications, professional registration and other requirements

- Honours degree in statistics or equivalent.

- It is a condition of employment for this role for the employee to be, and remain, vaccinated against the following vaccine preventable diseases during their employment:

    o measles, mumps, rubella (MMR)

    o varicella (chicken pox)

    o pertussis (whooping cough)

    o hepatitis B

Are you the right person for the job?

How we do things is as important as what we do, therefore within the context of the responsibilities described under 'Your key responsibilities,' the ideal applicant will be someone who can demonstrate the following:

Customer Focus	Demonstrates strong communication skills whilst providing customers with a professional and flexible service that meets their needs.
Staff Management	Effectively manages staff, mentoring and delegating and co-ordinating workloads appropriately to maximise the skills of staff.
Developing Others	Promote a learning environment within the team and contribute to the learning of others through excellent mentoring, strong group presentation skills and the willingness to share knowledge with others.
Organisation and Planning	Effectively manages self using time management, prioritisation and delegation skills to achieve deadlines.
Expertise	Advanced skills in the area of biostatistics and the presentation of analytical data.
Work Values	Demonstrates honestly, integrity and respect for all patients, carers and staff.
Technical Knowledge	- Strong proficiency with a statistics package (eg Stata or SPPS). - Advanced skills in designing appropriate statistical analyses/tests tailored to health care setting. - SQL proficiency (ideally with T-SQL, SQL Server). - Knowledge in data linking methods such as exact, statistical and probabilistic matching and other processes including data quality improvement, scheduled services and automation would be highly regarded. - Knowledge of SQL Server Analysis Services (SSAS) and OLAP cube design would be highly regarded. - Practical experience with Microsoft Analysis Servers would be highly regarded.

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How to apply

Please provide the following information to the panel to assess your suitability:

- A short written response (maximum 1-2 pages, dot points acceptable) on how your experience, abilities, knowledge and personal qualities would enable you to achieve the key responsibilities and meet the skill requirements of the role.

- Your current CV or resume, including two referees. You must seek approval prior to nominating a person as a referee.

- Late applications cannot be submitted online. For a late application to be considered, please arrange approval and submission via the contact person.

- Applications will remain current for 12 months or for the duration of the vacancy. Future vacancies of a temporary, full time and part time nature may also be filled through this recruitment process.

- Only those persons eligible to work in Australia may be employed by Queensland Health. Prospective employees are required to provide proof of identity and documentary evidence of their right to work in Australia.

Your employer
About Cancer Alliance Queensland

Cancer Alliance Queensland (CAQ) brings together the Cancer Control Safety and Quality Partnership (The Partnership), Queensland Cancer Control Analysis Team (QCCAT) and the Queensland Cancer Register (QCR).

Together with the support of the Department of Health, Metro South Hospital and Health Service and in partnership with clinicians, health facilities (public and private) and external organisations, we support and promote clinician led improvement of cancer services in Queensland.

QCCAT is responsible for the management and maintenance of the Queensland Cancer Register (QCR) in accordance with the Public Health Act (PHA) 2005. The QCR captures cancer notifications to determine the incidence, mortality and survival of people with cancer in Queensland. QCCAT fulfil legal obligations such as the review and approval of applications for the release of the data under the PHA, supporting the QCR information system and supporting the analysis and reporting of the QCR data for Queensland.

The Queensland Cancer Control Safety and Quality Partnership (The Partnership) is a gazetted quality assurance committee under Part 6, Division 1 of the Hospital and Health Boards Act 2011. The Partnership's aim is clinician led service improvement. The Partnership through QCCAT provides the cancer community with processes, systems and tools to routinely review, share and compare data on cancer treatment and outcomes. Actively involving cancer clinicians in deciding how to achieve the best possible cancer outcomes is The Partnership's priority.

Key to QCCAT's program of work is the ability to match and link population based cancer information on an individual patient basis. This matched and linked data is housed in the Queensland Oncology Repository (QOR), a resource managed by QCCAT. This centralised repository compiles and collates data from a range of source systems including the Queensland Cancer Register, hospital admissions data, death data, treatment systems, public and private pathology, clinical data systems including QOOL.

QCCAT collaborates with experts from a diverse network of public and private hospitals, institutions, universities, non-government agencies, commonwealth departments, interstate health departments, professional organisations and patient groups to ensure clinical, educational and policy relevance.

CAQ support clinicians and health service managers in order to:
- Identify, and understand the causes of important variances in clinical outcomes.
- Utilise recognised improvement methodologies to reduce these variances through the implementation of evidence-based best practice.
- Explore alternative models of cancer care service delivery.
- Measure progress towards specific targets in these activities.

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- Develop systems to ensure that such progress is sustainable.
- Build upon, integrate and expand the activities of the many individuals and groups that are already working towards improving the quality and efficiency of cancer services in Queensland.

Additional information about QCCAT is available via https://cancerallianceqld.health.qld.gov.au

Metro South Health is Australia's first digital health service and one of the largest and in Queensland, with an estimated residential population of approximately one million people or 23 per cent of Queensland's population.

Metro South Health is situated in the South-East corner of Queensland from the Brisbane River in the north to the Redland City Council in the east, and to the Scenic Rim Shire down to the border of New South Wales in the south-west. It is the most culturally diverse area of Queensland with 28.5% of the community born overseas and 16% from non-English speaking countries.

Our ICARE² values of Integrity, Compassion, Accountability, Respect, Engagement and Excellence, shape our culture within Metro South Health. Our values guide our day-to-day decision making and are fundamental to what we care about as a health service, how we behave, how we interact with each other and provide care to the many patients who come through our doors every day.

INTEGRITY	COMPASSION	ACCOUNTABILITY	RESPECT	ENGAGEMENT	EXCELLENCE
We are authentic, truthful, and transparent, and strive for equity for all.	We care for one another and ourselves with empathy, kindness and support.	We are accountable for our decisions, actions and behaviour.	We foster an environment of safety, civility, and inclusion.	We are one team working together to achieve our best outcomes.	We empower each other and inspire innovation to deliver excellence.

Workplace diversity

Metro South Health is committed to providing a diverse and inclusive workplace for our people and our community. We encourage people of all genders, races, ages and abilities to apply for roles within our Health Service and strive to ensure that our workplace is free from all forms of discrimination and harassment.

Flexible working arrangements

Metro South Health supports and encourages work-life balance for the mutual benefit of Metro South Health and its employees. Work-life balance is about a person's ability to manage their paid work commitments with their career goals, personal, community and cultural responsibilities. Through flexible working arrangements such as leave, flex time accrual or a reduction in working hours, there is an opportunity to match the individual's requirements with those of the workplace – delivering quality health services.

Additional information

For further information about this opportunity and the benefits and conditions of working at Metro South Health please refer to the **Information for Applicants** document attached with this SmartJobs advertised vacancy.

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