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possible

Position Description

Position Title:	Clinical Data Analyst
Salary Range:	MCRI Professional & Administrative Salaries Level 7 Step 1 to 5, or Level 8 Step 1 to 2
Reporting Managers:	Saravanan Satkumaran, Janice Campbell
Direct Reports:	None
Home Group:	Centre for Health Analytics

Children are at the heart of everything we do.

The Murdoch Children's Research Institute (MCRI) is home to significant scientific discoveries. We believe there is an answer, a cure, or a better treatment for every childhood condition – and we are determined to find it.

We are a diverse team of world-leading researchers, doctors, engineers, and hardworking professionals in corporate and scientific services from all corners of the world with one shared goal – to transform child health worldwide.

Our strength lies in our partnership and co-location with The Royal Children's Hospital (RCH) and the University of Melbourne – the Melbourne Children's Campus. This rare model amplifies opportunities to quickly translate research into clinical care.

At MCRI, you will also find our subsidiary organisation, the Victorian Clinical Genetics Services (VCGS), a specialist childhood, prenatal and adult genetics service. VCGS provides an integrated genetic consultation, counselling, testing and diagnostic support service to children, adults, families, and prospective parents.

The Centre for Health Analytics is an exciting collaborative venture for the Melbourne Children's campus partners. The Centre has been created to support the vision of Melbourne Children's to become an internationally leading paediatric campus in the use of data to improve all aspects of patient care, operations, education and research. The Centre has received generous financial support from the Royal Children's Hospital Foundation and the University of Melbourne has funded a foundation position of Professor of Child Health Informatics who will work closely with the Centre.

Together, we share a powerful vision: re-imagine the future of child health.

What is it like to work for us?

We are committed to ensuring a positive working environment that values all backgrounds and experiences. We cultivate an inclusive culture that is underpinned by equal opportunity for all and a culture based on respect, consideration, and dignity. We are also committed to developing our people and fostering an environment where learning and development is central to our staff reaching their full potential.

Position Overview

The Clinical Data Analyst will be responsible for the processes and tasks associated with the extraction and secondary use of clinical data from the Parkville EMR and other source systems. The role will include the analysis and documentation of the requirements of clinical subject matter experts, as well as the development, validation and

troubleshooting of SQL queries, Epic EMR Reports, Epic EMR Dashboards and PowerBI reports. The Clinical Data Analyst will work in collaboration with the Data Analysts Team Lead, Senior Clinical Data Analyst, other clinical data analysts, researchers, and other technical experts in the Centre for Health Analytics. The goals of these collaborations will be to understand how clinical workflows and data capture processes affect data captured by the Parkville EMR and to reinforce the appropriate use and interpretation of this data. The role will also support the development of a clinical data access and analysis platform.

Key Accountabilities

Analysis

- Working with the Centre for Health Analytics Team to prioritise and complete clinical data extract and analysis requests that achieve the goals of the Centre.
- Working with subject matter experts to analyse clinical data problems and then design and document requirements for clinical data solutions.
- Designing and building approved clinical data extracts using both graphical and code-based query tools.
- Collaborate with other analysts and stakeholders to understand the impact of clinical workflows on the secondary use of clinical data captured by the Parkville EMR.
- Designing, developing, reviewing, and optimising multi-table SQL queries of clinical data.
- Critically review design, requirements, and specification documents with an eye for detail.
- Supporting researchers in the interpretation and analysis of clinical datasets.

Training

- Preparing and maintaining systems, training and support documentation.
- Supporting face-to-face and online training to a broad range of stakeholders.
- Identifies important system changes and update training materials when required.

Relationship Management & Communication

- Maintaining strong working relationships with the Campus stakeholders to participate in a coordinated support model for the Centre for Health Analytics.
- Working with Centre for Health Analytics Team and Campus stakeholders to provide multiple solutions to identified problems, communicate solution options, then agree a way forward.
- Presenting technical concepts in simple and understandable terms so as both technical and non-technical audiences gain an understanding of the problem and proposed solution.

Team Membership

- Contributing to a positive and supportive work environment for all Centre for Health Analytics team members.
 - Responsible for the continuous improvement of clinical data and analytical products from the Centre for Health Analytics.
 - Building and maintaining a good working relationship with the Parkville EMR teams and a wide range of MCRI and RCH stakeholders including Heads of Departments, Group Leaders, Researchers and Clinicians to ensure the Centre for Health Analytics achieves its goals.
 - Facilitating cross training and opportunity for shared learnings amongst Campus team members including knowledge sharing and code sharing
 - Reporting on the status of work packages for which you are responsible.
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Selection Criteria

Essential

- A relevant tertiary degree in health science, health informatics, digital health, information technology, data science or equivalent.
- Experience in the design, implementation and validation of reports (or extracts) from a health information system such as an EMR, PAS or GP software system.
- Experience in gathering and documenting technical user requirements in the context of a health information system.
- Demonstrated knowledge of a health information system including data capture workflows, data validation logic and data reporting.
- Capacity to learn and apply software development practices such as design, build, test, deployment, documentation, and maintenance.
- Demonstrated ability to deliver solutions that meet the needs of end users.

Desirable

- Experience working in a hospital environment or other large health-related organisation.
- Knowledge and skills of SQL or other data manipulation languages.
- Research experience working with clinical data that delivered translatable outcomes.
- Experience or certifications in project management.

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- Epic EMR certifications and demonstrated knowledge of Epic applications.
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Conditions of Employment

- Working with Children & National Police Clearance (if appointed) in compliance with the Victorian Governments Child Safety Standards
 - The right to reside and work in Australia and you meeting any applicable visa conditions
 - Employment will be subject to the successful completion of the Epic EMR Cogito Certification within six months of commencing employment.
 - Employees will be required to have an honorary appointment at the RCH and must therefore maintain required immunisations and serology results as part of their employment.
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Health, Safety & Wellbeing

- We are committed to providing and maintaining a working environment which protects the health, safety and wellbeing of our people, partners and the community
 - Employees conducting duties on behalf of MCRI are expected to meet the environment, health and wellbeing requirements and responsibilities specifically required for the role
 - We are committed to supporting children in their right to be safe and adhere to the responsibilities we have to ensure their protection and safety as per the Child Safety Standards Policy
 - Specified positions may be subject to medical review to ensure that the inherent requirements of the role can be undertaken safely
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As MCRI evolves to meet its changing strategic and operational needs and objectives, so will the roles required of its employees. As such, this document is not intended to represent the position which the occupant will perform in perpetuity. This position description is intended to provide an overall view of the incumbent's role as at the date of this statement.