

# Metro North Research Strategy

Update – May 2018

## Research Highlights 2017

### Medical Research Future Fund Grants – 2017 to commence in 2018

Lifting Clinical Trials and Registries Capacity – Round

Three successful grants that include clinicians based in Metro North totalling \$4.7 Million over the next 5 years.

Fields include haematology, obstetric health, cystic fibrosis

### NHMRC Grants – 2017 to commence in 2018

Led by clinician scientists based within Metro North and administered by one of our academic partners (UQ, QIMR Berghofer, QUT)

A Program grant (\$19.8 million), a Partnership grant (\$656000), a Centre of Research Excellence (\$2.5 million), and three project grants (totalling \$4.2 million), and Fellowship support (total \$1.4 million) to a total value of \$29.3 million

Fields include dementia, podiatry, infectious diseases, haematology, critical care, gynaecology and neonatal medicine.

## Publications

In 2017, Metro North Researchers published over 1,400 papers in academic journals. Of these, 54 were systematic reviews and 9 were published in the Cochrane Database of Systematic Reviews.

### Nature

Barbara Leggett, RBWH, Department of Gastroenterology and Hepatology. “Whole-genome landscape of pancreatic neuroendocrine tumours.”

Sunil Lakhani, Pathology Queensland, RBWH “Association analysis identifies 65 new breast cancer risk loci.”

### Lancet

Jeffrey Goh, Department of Oncology, Cancer Care Services, RBWH. “Rucaparib maintenance treatment for recurrent ovarian carcinoma after response to platinum therapy (ARIEL3): A randomised, double-blind, placebo-controlled, phase 3 trial.”

### JAMA

Louise Cullen, Jaimi Greenslade, William Parsonage, Department of Emergency Medicine, RBWH. “Association of High-Sensitivity Cardiac Troponin I Concentration with Cardiac Outcomes in Patients with Suspected Acute Coronary Syndrome.”

### New England Journal of Medicine (NEJM)

Ricardo Petrico, TPCH. Use of the Instantaneous Wave-free Ratio or Fractional Flow Reserve in PCI

Emma Duncan, Department of Endocrinology, RBWH. “NAD deficiency, congenital malformations, and niacin supplementation”

## Implementation – Executive Summary

The Metro North Research Strategy 2017-2022 has been actively received both across the HHS and by our key partners. To enable and facilitate implementation, the Research Strategy Action Plan outlined a series of key actions, focused around the five enablers *patients, people, systems, infrastructure* and *partners*. Attached is a copy of the Research Strategy Action Plan implementation progress summary, also provided to the Metro North Planning and Strategy department as an annual progress update.

In the first year of implementation, the following key activities have been achieved:

- Metro North Research Policy and Procedures
  - Metro North Research collaboratively developed the first Research Policy, and a suite of ten (10) procedures designed to ensure research is conducted to the highest standards. The suite was published January 2018 - <https://metronorth.health.qld.gov.au/research/research-policies-procedures> Facility based implementation and ongoing evaluation strategies are currently being developed and disseminated across Metro North to ensure meaningful engagement and compliance.
- The 3<sup>rd</sup> Annual Research Excellence Awards – Ceremony 22<sup>nd</sup> May
  - The Metro North Research Excellence Awards recognise the valuable contribution that research makes to Metro North HHS, acknowledges and celebrates both the individuals and teams responsible.
- 2017 Snapshot of Research – Second annual issue
  - The Snapshot of Research, provides a person-centred overview of the diversity of research programs. It shares the stories of research, profiles the research teams leading the advances in healthcare, and acknowledges the continuum of research activity. The 2017 Snapshot of Research builds on the inaugural issue by highlighting our important research metrics and across the past year.
- Graduate Certificate in Health Services Innovation
  - Developed in partnership with the Australian Centre for Health Services Innovation (AusHSI) at QUT, the Graduate Certificate is a two-year (part-time) university level qualification aimed at enabling senior clinicians and health service administrators to develop, assess and implement innovations within the healthcare setting.

## Key challenges and risks

- Research monitoring, activity and outputs/outcomes reporting
  - Developing accurate research reporting metrics across the HHS is a key challenge. The current mandated software and databases that capture research activity (for example AURED) are antiquated and do not provide the integrated functionality required to generate meaningful reporting or metrics. In particular, research monitoring and the accurate and timely reporting of active/inactive studies is impacted by these antiquated databases and increasing volumes of research activity. The appointment of a Research Monitoring Officer has mitigated this risk, and will advance a baseline measure of research activity. However, without functional systems and adequate staffing levels across the HHS, the ongoing monitoring of research activity will remain a risk.
  - Measuring and reporting research activity and outputs/outcomes is essential to further demonstrating the true value of research and to leverage opportunities for research growth and collaboration. Developing a consistent database of research activity will allow Metro North to meaningfully and accurately answer such questions as “Who are our researchers” and “What are our areas of strength?”. We propose to pilot a research activity database using REDCap to mitigate this risk.
- Data access – requests, approvals
  - An initial meeting with Metro North Clinical Governance, Safety Quality and Risk was held to broach the divide between research and governance data. Further discussions are required to enable efficient and timely approvals and access for clinicians to the appropriate data.