

Hawke's Bay Clinical Research Committee

Annual Report 2016



Te Aho a Māui



The Hawke's Bay Clinical Research Committee (HBCRC)

The role of the HBCRC is to help ensure appropriate governance of all health and disability research being undertaken within the public health sector in Hawke's Bay. It does this by maintaining an overview of all such research and providing strategic and operational advice to the Hawke's Bay Clinical Council.

The HBCRC also aims to promote good clinical and ethical practice in health and disability research across primary, community, hospital, educational and training services within the public health sector in Hawke's Bay.

The Committee membership in 2016 included representatives of the Hawke's Bay District Health Board (HBDHB), Health Hawke's Bay (the Primary Health Organisation), Eastern Institute of Technology (EIT), University of Otago and Hawke's Bay Medical Research Foundation (HBMRF).

 <p>John Gommans Clinical Council & Chair</p>	 <p>Andi Crawford Allied Health</p>	 <p>Bob Marshall EIT</p>	 <p>David Barry HBMRF</p>
 <p>Diana Schmid Clinical Trials HBDHB</p>	 <p>Graeme Norton Consumer Council</p>	 <p>Justin Nguma Maori Health</p>	 <p>Kerryn Lum Primary Care Health Hawkes Bay</p>
 <p>Ross Freebairn University of Otago</p>	 <p>Sally Houliston HBDHB Clinical Research/Nursing</p>	 <p>Sharon Mason COO, HBDHB</p>	

Message from the Chair

Dr John Gommans. General Physician and Chief Medical & Dental Officer – Hawke's Bay Hospital

This is the third annual report of the Hawke's Bay Clinical Research Committee.

The primary aim of the HBCRC is to ensure appropriate governance of all health and disability research activity being undertaken within the public health sector in Hawke's Bay. It does this via its regular oversight of this activity and reports to the Hawke's Bay Clinical Council. HBCRC reports on research activity are available via the website;

http://www.hawkesbay.health.nz/page/pageid/2145884116/Hawkes_Bay_Clinical_Research_Committee

Research is fundamental to the practice of clinical medicine as we increasingly focus on both evidence-based practice and regular audit and review of practice standards. Skills in undertaking research and the critical appraisal of research findings are important for all clinicians and those who manage health services.

Therefore, the HBCRC also aims to promote local clinical research activity and the sharing of local expertise and experience within Hawke's Bay as participation in clinical research has benefits for researchers and the local community. In particular;

- Research, audit and associated external review activities help assure us regarding the quality of services delivered locally, adherence to best practice guidelines and dissemination of evidence based medicine, which enhances the care of all.
- Clinicians engaged in research gain skills, broaden their understanding, and develop links into regional, national and international clinical networks, which enhances the capability and morale of the individuals involved and the health workforce in general.
- The ability to participate in research helps attract clinicians with academic interests to Hawke's Bay.

I would like to acknowledge the willing contribution of all Committee members who freely gave of their time, energy and enthusiasm, reflecting their passion for clinical research.

Achievements in 2016

The Clinical Research Forum:

A particular highlight of the committee's work is the ongoing success of our Clinical Research Forum that was initially established in 2014. The Forum continues to be well supported by local researchers and provide an opportunity for researchers to discuss the results of their research and to share with their colleagues what they have learnt in the process. All presenters have freely and willingly given of their time and expertise. The degree of audience engagement in both the formal question and answer sessions and the informal conversations that follow is encouraging.

The Annual Report:

The Annual Reports of the HBCRC provide a summary of the breadth and depth of research activity undertaken in Hawke's Bay each year, and a summary of the Committee's.

Other activity:

The Committee helps link researchers with potential colleagues and like-minded peer groups, provides guidance regarding process and contacts for ethical approvals and links researchers to work reported separately via the various participating organisations e.g. EIT, HBMRP and University of Otago.

Looking Forward

The Committee's goals for 2017 include:

- Continuing to fulfil our obligations regarding governance of all health and disability research being undertaken within the public health sector in Hawke's Bay
- Build a strong relationship with the new Professional Standards & Performance Committee reporting to Clinical Council established under the Council's new Clinical Governance structure.
- Building on the successes of the past three years including continuation of the Clinical Research Forum and publication of an Annual Report.
- Investigating the feasibility of collating a list of all publications by Hawke's Bay Researchers to be included in the annual report

We welcome feedback from researchers and the local community – what do you expect of or want from the Committee and/or from the local clinical research community?

Events

Research Forum – April 2016

The August forum was "Research in Primary Care" with a focus on engaging effectively with Health Professionals from both the Primary and Secondary Care Sector and highlighting a couple of important pieces of research with Primary Care

Speakers:

- **Di Vicary** – Clinical Advisory Pharmacist at Health Hawke's Bay
Community Pharmacists Educating to Reduce Risk of Acute Kidney Injury
- **Helen Francis** – Quality & Performance Manager, The Hastings Health Centre
Title: Relationships and PhD Research in Primary care

Eastern Institute of Technology (EIT)

Professor Bob Marshall, EIT Research Director

Research highlights for the past year at EIT include Associate Professor Clare Harvey representing New Zealand on the 37 country, 4-year COST (European Co-operation in Science and Technology) RANCARE project “Rationed – missed nursing care: An international and multidimensional problem”. Another highlight was the development of the EIT Centre for Health and Wellness Research (<http://www.eit.ac.nz/subject-areas/research/centre-of-health-research/>), with five focus areas: Community Health; Missed and Rationed Care; Sport Performance; History of Nursing; and Health and One Welfare. For more information on any of those areas, contact Associate Professors Rachel Forrest, Clare Harvey, Carl Paton, Pamela Wood or Professor Nat Waran respectively.

EIT’s Master of Health Science and Master of Nursing programmes saw sixteen students commencing their Thesis/Independent Scholarly Project in 2016, while the graduation ceremony in March saw 18 Master of Nursing and two Master of Health Science students cross the stage to receive their degrees. Those students’ theses (as well as those from previous years) are available on www.digitalnz.org – sort by ‘thesis’ and then by EIT as the content provider.

There were 19 refereed journal articles and 6 national/international conference presentations on health related topics by EIT staff in 2016. In addition, there are thirteen EIT-funded research and three externally funded projects underway.

EIT appreciates the interaction with and support of the wider Hawke’s Bay research community. The HB Clinical Research Committee is an important part of that network.

University of Otago

Associate Professor Ross Freebairn – Associate Dean Undergraduate Studies

The University of Otago has several regional campuses – including Hawke’s Bay. While the principal role of the Hawke’s Bay campus is providing clinical experience and training for physiotherapy, dietetic and final year medical students, participation in research is another vital activity.

The University of Otago Wellington Associate Dean is working with the other Regional Associate Deans of the University of Otago to enhance its profile to support clinicians who have a research interest or project. A role of the Associate Dean is to facilitate research in the Hawke’s Bay DHB. It is acknowledged that the challenges of undertaking research in the setting of the delivery of acute health services are many. The University can assist with process, grant applications as well as the detail of methodology, analysis and academic rigour. The University also has available summer studentship programs that can fund short research projects completed by medical students during the summer break.

Hawke's Bay Medical Research Foundation (HBMRF)

David Barry – QSO FRCP FRACP DCH, HBMRF

The HBMRF is a registered Charity founded in 1961 to “promote, initiate and support research in all health related fields including medical and health education, knowledge and understanding’.

The Foundation is particularly interested in promoting research relevant to, and carried out by, Hawkes Bay people.

One funding round occurs each year. Successful applicants are usually notified in February.

2016 saw the retirement of long serving secretary and Hasting District Council representative Judy Baxter. Her hard work and loyalty to the Foundation was acknowledged by all. She was replaced as HDC representative by Cr. Malcolm Dixon and as secretary by Lorraine Guillemot.

The Foundation's Annual report noted research funded but not yet completed;

- How do Patients with multiple long term conditions manage their health
- Characterisation of N.gonorrhoea resistant to Ceftriaxone
- Human Papilloma Virus and Oropharyngeal Carcinoma
- Persistent leptospirosis infection symptoms in NZ
- Fighting for Maori Health-The PATU initiative
- Pre-diabetes intervention package in primary care (PIP)
- Hypoglycaemia prevention in new-borns with oral Dextrose

Completed studies were:

- Lucy Zwimpfer: Talking to Babies in a Neonatal Intensive Care Unit: impact of verbal soothing on measures of infant stress during heel prick procedures.
- Emma Merry: What are the barriers and enabling factors affecting motivation to teach in the clinical environment of Intensive care in New Zealand

More detailed Information about the HBMRF can be found at www.hbmr.org.nz

DHB CTRU Research

Diana Schmid, Coordinator – Research. RN and Manager Clinical Trials Research Unit

The Clinical Trials Research Unit (CTRU) was established within Hawke's Bay Hospital in 1998. The unit is based in Villa Two at Hawke's Bay Hospital and is responsible for the management and coordination of clinical trials conducted within the Medical Service. The unit also provides advice and support to clinicians in other hospital services who are interested in starting clinical trials research. The Chief Medical Officer (Hospital) is the Director of this unit, and the Research Coordinator manages the operational requirements and is supported by experienced research nurses.

Clinical trials conducted over the past 19 years have covered a wide range of clinical indications including acute coronary syndromes, stable & unstable angina, atrial fibrillation, heart failure, hypertension, hyperlipidaemia, stroke, diabetes, osteoporosis, ulcerative colitis, Crohn's disease, C Difficile infection, irritable bowel syndrome, rheumatoid arthritis, obesity, respiratory syncytial virus and hypoglycaemia prevention in high risk newborn babies.

Staff within the CTRU are proud of their achievements in all areas of trial participation. Hawke's Bay Hospital has a reputation both nationally and internationally as a site which maintains high standards in protocol adherence, patient recruitment & retention and data quality. We have undergone three external audits and received very positive feedback on each occasion with no major findings.

Currently there are 11 trial investigators actively involved in the conduct of 8 ongoing clinical trials covering cardiology, endocrinology, gastroenterology, rheumatology and paediatrics.

The future of clinical trials in New Zealand and Hawke's Bay is reassuring, with many sponsors and clinical research organisations contacting us regularly to invite our physicians to participate in new trials. However, our capacity is limited by resources and increasing clinical demands.

DHB Nursing and Clinical (non CTRU) Research

Sally Houlston, Nurse Consultant Workforce Development, HBDHB

The coordination of locality review and authorisation for research conducted within HBDHB (excluding clinical trials managed by the CTRU) continues to be managed by Sally Houlston, Nurse Consultant Workforce Development (as delegated by the CEO/CMO/CNO). Locality review is the process by which a locality (in this case HBDHB) assesses its suitability for the safe and effective conduct of a study. If a locality is satisfied that this is the case, it authorises the study. This relates to research which involves consumers of our health service and / or our employees.

There has been a diverse range of new research being commenced within HBDHB during 2016, involving either patient's as consumers of health care or DHB employees. The researchers are often conducting research as part of postgraduate (masters), PhD studies or as part of vocational training programmes. Research topics focus on areas such as chronic disease, improving Māori health, workforce development. Some examples include:

- Examining the factors influencing decision-making amongst End-Stage Renal Disease (ESRD) patients considering asking family & friends for a kidney
- Addressing adverse outcome suffered by Maori babies from SAMM events: SAMM Kids Burden
- The National Child Protection Alert System: a study of inter-rater reliability
- ESKD patient's perceptions of pre-dialysis information / resources
- The effect of a structured long term care management programme on hospital presentations
- Nurses recognition and action in response to unsafe practice by their peers
- What makes a good preceptor? Perspectives of recent new graduate nurses in NZ

