

Māori Relationship Board Meeting

Date:	December 201	
	200000000000000000000000000000000000000	

Meeting:

December 2016

No meeting scheduled

Board Members:

Ngahiwi Tomoana (Chair) Heather Skipworth (Deputy Chair) George Mackey Na Raihania Des Ratima Ana Apatu Kerri Nuku Lynlee Aitcheson-Johnson Diana Kirton Helen Francis Trish Giddens Tatiana Cowan-Greening

Papers provided for consideration and feedback include:

For feedback:

- 2 Long Term Conditions (LTC)
 - 2.1 LTC Framework
 - 2.2 LTC Appendices

Please email feedback directly to leigh.white@hbdhb.govt.nz by Monday 19 December if possible.

For Information:

- 3 Maori Health Plan Q1 and Dashboard
- 4 Copy of the Fluoride presentation of 9 November (by Dr Robin Whyman)

	Hawke's Bay District Health Board Long Term Conditions Framework
HAWKE'S BAY District Health Board Whakawāteatia	For the attention of: Maori Relationship Board, Clinical and Consumer Council
Document Owner: Document Author(s):	Tim Evans and Mark Peterson Jill Garrett and Leigh White
Primary Care Sponsor(s)	Mark Peterson Chief Medical Officer Primary Chris McKenna – Chief Nursing Officer Primary and Secondary
Date:	December 2016

Purpose:

- 1. Acknowledge and endorse content of draft Framework
- 2. Provide feedback regarding:
 - a) implementation stages and their timing
 - b) trial with diabetes and respiratory services to inform final document
 - c) identification of members for a LTC Advisory Group (inclusive of primary care secondary services allied health Māori health providers and consumers)

1. BACKGROUND

Long term conditions have become the most significant cause of death and disease. Hawke's Bay is above the national prevalence¹ in 6 out of 11 chronic disease risk factors for adults aged 15 years and over. The financial burden of this equates to 15% of the total health spend.

Currently 81% of funds associated with Long Term Conditions is spent on acute management and rehabilitation services, and only 19% on early intervention and prevention.

The framework is aimed at shifting the focus towards early intervention and prevention within the next 5 years. Within that time frame it is anticipated that shifting the spend ratio to a 60% acute management-rehabilitation and 40% early intervention and prevention could be achieved. This would equate to approximately a 4% change in budget allocation per annum over a 5 year period.

To date Hawke's Bay DHB has not had a strategic document that provides a framework against which the planning and reporting for Long Term Conditions can be aligned and monitored. In 2015 it was identified as a priority by both primary and secondary care services. In April 2016 the Strategic Services Manager – Primary Care and the Portfolio Manager Long Term Conditions commenced the development of the framework in consultation with consumer, primary, secondary and allied health teams.

¹¹ NZ Burden of disease study 2013. Chronic Disease: Current Situation Analysis (Prevalence, Morbidity and Mortality)-Lisa Jones Business Intelligence HBDHB.

The HBDHB Long Term Conditions Framework is generic in its approach. It is not disease specific. Nationally and internationally effective Long Term Conditions approaches focus holistically on the person and/or whānau, listening to 'what matters to you' rather than asking "what's the matter with you".

Many of our whānau have more than one long term condition which has an impact on, or can be a result of, mental health and un-wellness. Threaded throughout the framework is recognition that mental wellness/illness impacts greatly on effective self-management of long term conditions.

2. FRAMEWORK STRUCTURE

Based on the **Four Aka (roots)**; Person-Family-Whanau Centred Care, Person Centred Systems and Processes, Workforce Development and Enablement and Risk Identification and Mitigation. Each of the Four Aka have four contributing dimensions (see pages of the Framework). Where appropriate the outcome attached to each of the dimensions is linked to both System Level Measures and the outcomes (currently draft) of Transform and Sustain.

The methodology for change on which the framework is based is IHI Improvement Methodology. This is an outcomes based methodology that works through setting up manageable (small) change environments that lead to system wide improvements.

Implementation tool – to achieve system wide improvement –. The Long Term Conditions Service Review Matrix (LTC-SRM) is a self-review tool, against which services can evaluate their achievement against the Four Aka.

The SRM is structured around a continuum of excellence (see Appendix One of the Framework). With the support of QIPS facilitator's et.al, services will;

- be invited to work within a multi-disciplinary approach to addressing Long Term Conditions
- assess where they sit on the LTC-SRM using agreed sources of evidence
- utilise service planning and reporting mechanisms to work towards shifting performance within the continuum towards excellence.
- The LTC-SRM serves also as a global assessment tool for where services across the sector (both primary and secondary) sit in relation to performance against LTC outcomes. (see page 11 of appendix one). This will provide a helicopter view of where areas need to be strengthened and
- additional resources and support placed to move performance from entry level to excellence.

3. FRAMEWORK PURPOSE

- o Address equity through a focus on consumer (whānau) focused services
- o Achieve optimised health outcomes for the population of Hawke's Bay
- Ensure that evaluation does not rest solely with measuring clinical outcomes but includes quality of life, patient activation measures, confidence measures based on researched self-care and self-management methodologies²
- o Shift from individual service to integrated service models of delivery (MDT and IDT)

² Self-Care and Self-Management programs of work currently in practice within Hawke's Bay include the Stanford Model (recognised in over 43 countries), WHO, Brief Quality of Life Tool and at its inception phase Clinical and Patient Activation measures based on Relationship Centred Care.

- Evaluate the spend (total) for long term conditions and how focusing on risk mitigation, prevention and early intervention will have a positive impact on reducing demand on; ED Presentations, ED Admissions and Length of Stay.
- Provide a tool against which services can evaluate their effectiveness³ against the four Akas of the framework and measure progress towards achieving excellence over time.
- Use an interdisciplinary approach in the design and ongoing evaluation and modification of the services to improve health outcomes
- Challenge the status quo and provide opportunity for innovative practice based on co- design models of care

4. IMPLEMENTATION

Stage 1:

April – Nov 2016 (completed)

- Consultation with a wide range of consumers (groups and individuals), service providers both secondary and primary, Health Hawke's Bay Population Priority Committee, members of the HBDHB Clinical Council and Service Directorates
- Alignment: with NZ Health Strategy, Transform and Sustain, HBDHB Equity Report, MoH Long Term Conditions Dimensions (currently under development)
- Financial analysis of current spend in relation to: the triple aim, live well, get well, stay well strategy in line with generic spend and spend on the top 5⁴ Long Term Conditions inclusive of mental health and wellness across the board.
- Iterations x 16 of framework in response to findings
- Development of the Long Term Conditions Service Review Matrix
- First Draft presented to EMT and CAG (8th & 9th November)

Nov- Dec (in progress)

- First Draft presented to committees; Clinical Council, MRB⁵, Consumer Council
- Revision of documents in response to committees feedback

Stage 2: Jan - Mar 2017

- Develop easy read version written with a health literacy lens so that consumer may engage with the framework and provide feedback
- Completion of patient x 5 tracer audits by QIPS team member (Val Guay)
- Advisory group formed (MDT)
- Analysis of tracer audits
- Review modification and finalising of Service Review Matrix (SRM)
- Trial of Framework and LTC SRM with Respiratory and Diabetes Services
- Develop program of workshops for the socialisation of the framework and utilisation of the SRM with service planning and reporting cycles

Stage 3: April 2017

- Finalise Document
- Finalise the easy read version
- Develop a consumer evaluation tool

³ The evaluation tool – LTC Service Review Matrix has been developed in draft conceptual form – awaiting formation of the LTC Advisory Group to inform its final content.

⁴ The Top Five Long Term Conditions are; Cardiovascular Disease, Cancers, Respiratory, Musculoskeletal, and Diabetes.

⁵ Māori Relationship Board

Stage 4: May 2017

- Launch document
- Socialise with MoH
- Commence program of implementation developed in Stage 2:

Stage 5: Ongoing

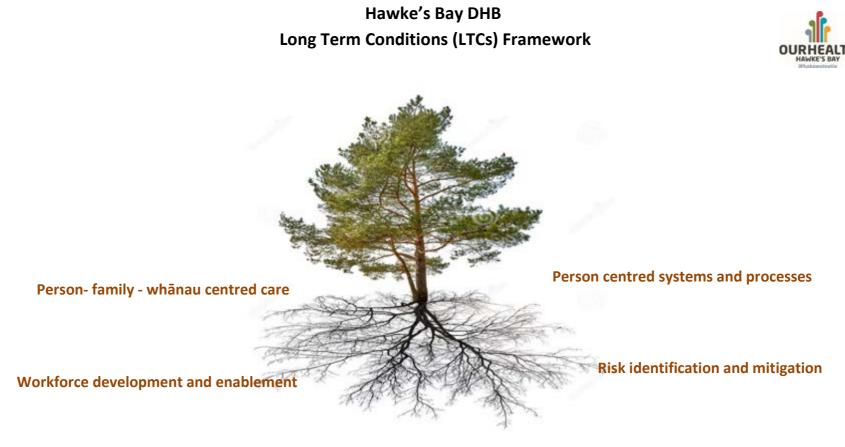
- Monthly to quarterly meetings of Long Term Conditions Advisory Group **Function:**
 - Evaluation of current trends (qualitative and quantitative data analysis cross sector)
 - Form recommendations to services against findings
 - Monitor progress against findings
 - Provision of leadership and management advice
 - Connect regionally and nationally to inform current and future planned work practices

5. THE FRAMEWORK:

Contents List

Long Term Conditions Framework

- Appendix One Long Term Conditions Service Review Matrix (LTC-SRM)
- Appendix Two Application of the HEAT assessment
- Appendix Three Consultation Record
- Appendix Four Consumer Feedback Summaries
- Appendix Five Financial Summary



The Kahikatea¹

¹ The Kahikatea – or white pine is native to New Zealand. Significant for its extensive and intertwining root system indicating interdependencies support.

Version: 16 (Final Draft)	\Strategy Development	Author: Leigh White & Jill Garrett
8 December 2016		1

Maori Relationship Board papers for review December 2016 - Long Term Conditions Report for feedback

Content	Executive Summary			page 3
	Vision and mission statements			4
	The Four Aka of the framework			5
Section One:	Why do we need a Strategy?			6 - 8
	 What do we know about Long Term Conditions (LTC 	C)		
	 Not just one but multiple conditions 			
	 Getting serious about eliminating health inequities 			
	 Prevention and early intervention 			
	A non-disease person centred framework			
Section Two:	• The Four Aka of the LTC Framework:			9 – 12
Section Two.	Aka - Person- Family - Whānau Centred Care			9
	 Aka - Person Centred Systems and Processes 			10
	 Aka - Workforce Development and Enablement 			11
	Aka - Risk Identification and Mitigation			12
Section Three:	Methodologies that inform the Framework			13-14
	Appreciative Inquiry			
	 Results Based Accountability 			
	 IHI Improvement Methodology 			
	Driver Diagram – IHI Methodology			
Bibliography				15-18
Dibilography				13-10
Appendices:	Provided as a separate document			
	One: Long Term Conditions Service Review Matrix	Four:	Consumer feedback summaries	
	Two: Application of the HEAT	Five:	Financial Summary	
	Three: Consultation record			

Version: 16 (Final Draft)	\Strategy Development	Author: Leigh White & Jill Garrett
8 December 2016		2

Executive Summary:

Why do we need a Hawke's Bay Framework - Long Term Conditions have become the most significant cause of death and disease contributing to; to 80% of deaths and 80% of the health budget spend. Hawke's Bay is above the national prevalence level in 6 out of 11 chronic disease risk factors for adults aged 15 years and over2. This has a significant impact on individuals, whanau and the wider community.

The structure of the framework is - Based on the Four Aka (roots); Person-Family-Whanau Centred Care, Person centred systems and processes, Workforce development and enablement and Risk identification and mitigation. Each of the Four Aka have four contributing dimensions (see pages 8-11 below). Where appropriate the outcome attached to each of the dimensions is linked to both System Level Measures and the outcomes (currently draft) of Transform and Sustain. The methodology for change on which the framework is based is IHI Improvement Methodology. This is an outcomes based methodology that works through setting up manageable (small) change environments that lead to system wide improvements.

System wide improvement – implementation tool. The Long Term Conditions Service Review Matrix (LTC-SRM - Appendix One) is a self-review tool, against which services can evaluate their achievement against the four Aka. The SRM is structured around a continuum of excellence With the support of QIPS facilitators et.al, services will;

- be invited to work within a multi-disciplinary approach to addressing Long Term Conditions
- assess where they sit on the LTC-SRM using agreed sources of evidence
- utilise service planning and reporting mechanisms to work towards shifting performance within the continuum towards excellence.

The LTC-SRM serves also as a global assessment tool - for where services across the sector (both primary and secondary) sit in relation to performance against LTC outcomes. (See page 11 of Appendix One). This will provide a helicopter view of where additional resources and support need to be placed within the sectors to move performance from entry level to excellence.

The framework is NOT disease specific – People often experience more than one chronic condition and associated mental health challenges. We need to promote holistic care of the person and their whānau in a stay well – get well – be well model.

Prevention vs intervention – the framework is focused on prevention, early intervention and management as a strategy for reducing the increasing demand on acute hospital based services. Self-care and self-management underpins the framework so that people choose well in relation to addressing their own health needs. Based on business intelligence modelling of population trends coupled with a shift of emphasis to early intervention, it is anticipated that a reduction of up to 4% demand on acute services can be achieved. This will be evidenced through; reduced ED presentations, reduced ED admission rates and reduced length of stay. Over a 5 year period that will equate to resource economies of 20%.

² Chronic Disease: Current Situation Analysis-Prevalence, Morbidity and Mortality. Lisa Jones HBDHB Business Intelligence Team.

Version: 16 (Final Draft)			\Strategy Development	Author: Leigh White & Jill Garrett
8 December 2016				3

Maori Relationship Board papers for review December 2016 - Long Term Conditions Report for feedback

Vision

Your Health in Your Hands with Our Help and Support

Kei a koe te tikanga ³



Mission statements⁴

Our people and systems respect and support self-management

Ka whakamiha, ka tautoko hoki ō tātou tāngata, ā tātou pūnaha i te whakahaere whaiaro a te tangata.

people powered – people and whānau centred care⁵

We are a connected collaborative team involved in your care

He tira tūhono, he tira mahi tahi mātou ka tiaki i a koe.

one team – whole public sector delivery

We value quality, effectiveness and innovation

Ka matapopore mātou ki te kounga, te whaihua, te auaha hoki

value and high performance - smart system - information system connectivity

We strive to be responsive and flexible

Ka whakarīrā mātou kia rarata ai, kia urutau ai hoki

closer to home – health and social care networks

³ Kahungungu Hikoi Whenua

⁵ These statements align with the NZ Health Strategy and the Refresh Transform and Sustain Program

Version: 16 (Final Draft)	\Strategy Development	Author: Leigh White & Jill Garrett
8 December 2016		4

⁴ The mission statements connect with the NZ Health Strategy priorities and Transform and Sustain refresh priorities. Te Reo translation provided by HBDHB translation team.

The Four Aka

Person - Family - Whānau Centred Care

- Consumer voice
- Health Literacy
- Self-Care
- Understanding the determinants of health

Person Centred Systems and Processes

- Health and Social Care networks
- Models of care development
- Collaborative clinical pathways
- Integrated IT systems and enablement



Your Health in Your Hands with Our Help and Support Kei a koe te tikanga

Workforce Development and Enablement

- Clinical Leadership
- Clinical expertise
- Workforce capacity and capability
- Inter-sectoral development

Risk Identification and Mitigation

- Population health
- Equity
- Continuous quality improvement
- Governance and advisory support

Version: 16 (Final Draft)	\Strategy Development	Author: Leigh White & Jill Garrett
8 December 2016		5

Section One: Why do we need a strategy?

What do we know?

Context and definition: Long term chronic conditions are defined by the **World Health Organisation** as having one or more of the following characteristics: they are permanent, leave residual disability, are caused by non-reversible pathological alteration, require special training of the person for rehabilitation, or may be expected to require a long period of supervision and care (WHO. 2005. Preventing Chronic Disease) refer: <u>https://www.rnzcgp.org.nz/assets/documents/Training-and-Beyond/Curriculum-Documents-2014/Long-term-Conditions-CS.pdf</u>. Not all LTCs are precipitated by lifestyle factors, some are genetic, such as cystic fibrosis. LTCs can originate at birth or in childhood and persist into adulthood.⁶ Minimising the impact of Long Term Conditions on our populations' health requires of us attention to what can be prevented and or minimised through mitigation of risk, minimisation of harm and early and effective intervention and management strategies.

The effects of LTCs for the Individual: Long term conditions impact greatly on quality of life, independence and economic wellbeing. The psychological aspects of dealing with long term conditions can be considerable, varying from dealing with personal response to the disease; coping with treatment; feeling of lack of personal control and handling the responses of others. People with multiple morbidities risk experiencing poor coordination of treatments primarily designed to address single conditions.

For the health and care system: It is predicted by the World Health Organisation that chronic conditions will be the leading cause of disability by 2020 and that if not successfully managed will become the most expensive problem for health care systems.

Chronic disease is a major contributor to the life expectancy gap between Māori and Pasifika and Non Māori and Pasifika peoples⁷

15% of the population of Hawke's Bay have one or more Long Term Condition⁸

An estimated 80% of health care funds are spent on chronic disease⁹

80% of all deaths in NZ result from chronic conditions.¹⁰

Getting serious about eliminating health inequity: Māori and Pasifika should not be disproportionately represented within this population group¹¹. They should not expect to have much higher levels of chronic disease at a much earlier stage in life ¹² than Non Māori. Māori and Pasifika have the right to expect the same life expectancy, morbidity and mortality rates as Non Māori.

¹² Ajwani S, Blakely T, Robson B, Tobias M, Bonne M. Decades of disparity: Ethnic mortality trends in New Zealand 1980-1999. Wellington: *Ministry of Health and University of Otago; 2003.*

Version: 16 (Final Draft)	\Strategy Development	Author: Leigh White & Jill Garrett
8 December 2016		6

⁶ Referenced to the developing draft Long Term Conditions Service Specifications – Ministry of Health.

⁷ Ajwani S, Blakely T, Robson B, Tobias M, Bonne M. 2003. Decades of Disparity: Ethnic mortality trends in New Zealand 1980-1999. Wellington: Ministry of Health and University of Otago.

⁸ Chronic Disease: Current Situation Analysis-Prevalence, Morbidity and Mortality. Lisa Jones HBDHB Business Intelligence Team.

⁹New Zealand Guidelines Group. 2001. Chronic Care Management: Policy and Planning Guide. Compiled by the Disease Management Working Group

¹⁰ Ministry of Health. 1999. *Our Health Our Future: Hauora Pakari, Koiora Roa*. Wellington: Ministry of Health

¹¹ This population group refers to those with a long term condition.

My Challenge - Your Challenge - Our Challenge

The health of our population changes dramatically when we approach 35yrs of age. To make a difference we need to begin at birth, working with our partners across all sectors, all disciplines

Starting now

Our way of working will be sustainable. Our focus will shift from curative to preventative practices in all aspect of our work and care.

Focusing on Māori and Pasifika

Getting it right for Māori and Pasifika will mean everyone benefits. Find the gap and take action to reduce it.

Not just one but multiple conditions present challenges for the individual and the health system: Increasing numbers of people present with more than one LTC. The rise in the incidence of long term conditions can be attributed to an increase in lifestyle risk factors (refer snap shot one – page 5) an ageing population with associated increased levels of frailty, and the socioeconomic determinants of health. People with multiple long-term conditions have markedly poorer quality of life, poorer clinical outcomes and longer hospital stays, causing them to be the most costly group of patients.¹³

Mental health and well-being is a challenge faced by all with a long term condition. It is a long term condition that will impact significantly on the health outcomes of our population.

Prevention and early intervention need to be the focus of the Long Term Condition Framework; the majority of long term conditions are preventable or could be better managed. Elimination of modifiable risk factors would prevent 80 percent of premature heart disease, 80 percent of premature stroke, 80 percent of type 2 diabetes and 40 percent of cancer.¹⁴

Prevention should be the focus of all aspects of Long Term Condition Management; prevention of expectation of occurrence, prevention of occurrence, prevention of exacerbation of risk factors, prevention of deterioration in health and wellbeing, prevention of increasing levels of acuity.

Prevention is about the individual and the health system working in partnership to fund and provide appropriate access to resources, activities and expectations that promote self-care – self management from a cradle to the grave. It is supporting a system that "empowers the patient to take a lead role in managing their health and ensuring access to the range of services and resources required to achieve optimal outcomes (WHO, 2002)

¹⁴ World Health Organization, 2009. Interventions on Diet and Physical Activity: What Works: Summary Report

Version: 16 (Final Draft)	· · ·	\Strategy Development	Author: Leigh White & Jill Garrett
8 December 2016			7

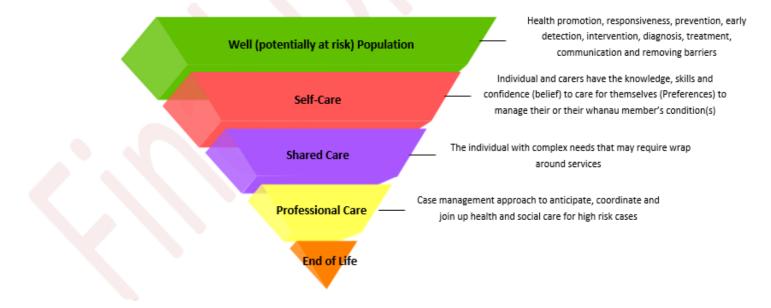
¹³ Goodwin, N., Curry, N., Naylor, C., Ross, S., Dulig, W., Managing People with Long Term Conditions (2010), *The King's Fund*.

A non-disease person centred framework - The need to reduce health inequalities is a priority. Considerable health inequalities occur between population groups due to many factors including; historical, cultural, socio-economic status, geographical place of residence, ethnic identity, and gender. Long term chronic conditions account for a higher proportion of illness and deaths among Māori, people on low incomes and Pacific peoples than among the general population. New Zealand studies have identified organisational, human resource, and person-community issues in access to health care as barriers for care¹⁵.

Less focus on disease (medical diagnosis) and greater focus on the person as a whole: Current service provision, is still weighted towards disease diagnostics but there needs to be a shift from reactive to managed care within a social, cultural and economic context. There needs to be a greater emphases on prevention, early intervention, self-management and improved cross sector integration (inclusive of social services, education, housing and justice) and relationships. The emphasis needs to be on the person and their families/whānau being partners in their care.

Model of care delivery is now gearing up to meet the needs of the population by stratifying it by risk rather than by disease. This predicates the requirements for care and will determine the design of workforce capacity and capability.

Figure 1.1 – Population Care Stratification



¹⁵ Discussion paper, Improving Responsiveness to Māori with Chronic Conditions May 2010

Version: 16 (Final Draft)	\Strategy Development	Author: Leigh White & Jill Garrett	1
8 December 2016		8	1

Section Three: The Four Aka

Key: SLM – System Level measures | c-SLM – Contributing Measure

	Components of each aka	Objectives	Process measures	Outcome (Draft) Transform and Sustain
centred Care	Consumer voice	Consumers are integral to the design and evaluation of services	 Consumer input is demonstrated in service level planning and reporting Consumer feedback mechanisms in place (number + variety) Complaints trends analysis (utilising the WHO¹⁶ taxonomy of categories) Service level plans demonstrate response to consumer voice 	Power balance shifted more in favour of consumers
Whānau c	Health Literacy	Health literacy improvements enhance access and navigation to health services by the consumer	 Health information is consumer / user focused Utilisation of consumer experience surveys (c-SLM) GP practices offering an e-portal Consumers engaged in self-management/rehabilitation programs DNA rates-Outpatients / GP LTC consults 	Consumers access understandable information & enabled to take action
- Family - '	Self-Care	Consumers are supported to self- manage to their highest level of confidence	 Proactive Utilisation of Health services +7 ED presentations (acute) Referral rates to accredited self-management programs Reduction in ASH rates (SLM) Reduction in readmission rates (SLM) 	Consumers equal partners in their health care and engaged in their own treatment (management)
Person	Understanding the determinants of health	Health professionals implement clinical and cultural competence ¹⁷ health strategies based on an understanding of the determinants of health	 Completion rates of Mandatory training Treaty of Waitangi Responsiveness Cultural competency ACE assessment Health Literacy modules (Primary) Relationship Centred care training Utilisation of Patient and clinical activation measures¹⁸ 	Services are aligned to community need

¹⁶ <u>http://www.who.int/patientsafety/taxonomy/icps_full_report.pdf</u>

¹⁷Cultural competence is a set of congruent behaviours, attitudes, and policies that come together in a system, agency or among professionals and enable that system, agency or those professions to work effectively in cross-cultural situations. Refer: Cross T, Bazron B, Dennis K, Isaacs M. Towards a Culturally Competent System of Care, Volume I. Washington, DC: Georgetown University Child Development Center, CASSP Technical Assistance Center, 1989. Ewen S. Cultural Literacy: An Educational Approach for Health Professionals to Help Address Disparities in Health Care Outcomes. Journal of Australian Indigenous Issues 2010; 13(3); 84-94.

¹⁸ Reference Andy's documents / Relationship Centred Care.

Version: 16 (Final Draft)	\Strategy Development	Author: Leigh White & Jill Garrett
8 December 2016		9

	Components of each Aka	Objectives	Process measures	Outcome (Draft) Transform and Sustain
processes	Health and Social Care networks	Collaborative networks developed providing services closer to home utilising a MDT ¹⁹ and inter-professional approach.	 Consumer/community focused outcomes aligned to all contracts Establishment of Service Level Alliance Agreements Establishment of Health Network Leadership Teams Health Sector aligned to Results Based Accountability Outcomes based evaluation framework attached to all contracts Multi agency performance reporting 	Joint leadership between DHB, providers, community and (government) agencies
cal systems and	Models of care development	Building health services around the person using a whānau ora model of care and whole of workforce approach.	 Inter disciplinary whole of sector model of care HBDHB Workforce framework completed Individual workforce strategies align to population health needs²⁰ Interdisciplinary teams involved in patient care planning Transfer of care process results in reduced (re) admission rates (c-SLM) Reduction in Amenable Mortality (SLM) 	Consumers access quality care which enables them to manage their own health needs
n centred clinical systems	Collaborative Pathways	Providing consistency and equity in the delivery of care for our consumers based on best practice	Ongoing development, implementation and review of collaborative pathways • Timely access to services (diagnostics, FSAs,) (c-SLM) • Clinical utilization rate of pathways/referrals • Referral decline rates • (timely) Transfer of care • Reduced Bed days (save 4000 beds) (c-SLM) • Disease detection and follow up rates (c-SLM)	Consistent timely provision of services results in enhanced health outcomes and efficient use of resources
Person	Integrated IT systems and enablement	Information Systems, and IT are easy to use, accessible and utilised at all levels for the purpose of system wide improvement.	 IT supports efficiencies Utilisation rates of IT patient /population information systems e.g. Dr Info – Karo Reports – Disease registers – population stratification – Service Utilisation statistic Utilisation of shared patient care records Utilisation of e-referrals (internal to DHB- Primary care) 	Appropriate and easy access to information for patients clinicians and management

¹⁹ MDT: Multi-Disciplinary Approach (Health, social and community based services) ²⁰ Population health profiling is used to proactively stratify the population to enable effective preventative and early intervention management.

Version: 16 (Final Draft)	\Strategy Development	Author: Leigh White & Jill Garrett
8 December 2016		10

	Components of each Aka	Objectives	Process measures	Outcome (Draft) Transform and Sustain
Enablement	Workforce capacity and capability	The capacity and capability of the work force aligns with the population health needs and demand.	 Workforce able to respond to health service needs Population stratification data utilised for service design Service workforce mapped – capacity and capability current and future state Recruitment and retention rates Professional development alignment to service needs 	Workforce able to respond to the needs of the Hawke's Bay Population
and	Clinical leadership	Identified clinical leaders provide direction, support and accountability for the uptake and dissemination of best practice models to optimise patient care.	 Services are supported with expert and innovative clinical leaders Membership of clinical bodies / leadership forum Participation in LTC regional-national - international congress Delivery at LTC fora Publication and research 	Recognition nationally as Leaders in Long Term Conditions prevention and early intervention methodology (Māori)
rce Development	Clinical expertise	Clinical staff, medical and nursing and allied health, provide services to the top of their scope supported by best practice guidelines under the direction of identified clinical leaders.	 Clinical best practice and expertise is supported Service workforce strategy in place Alignment of workforce strategy with IDT approach Clinical lead pathway identified and utilised for staff development / incentives Consistent management and skills sets supported by new training. 	Clinical expertise is recognised within the organisation
Workforce	Inter-sectoral development	Patient care is maximised through the utilisation of an Interdisciplinary Team (IDT) approach to individualised care inclusive of the lay workforce.	 Coordinated partnership approach to patient care Care teams utilising a shared record Customer focused performance reporting Aligned models of care and funding models Care teams extend outside the health sector (patient determined) 	Coordinated partner approach to deliver of services with consumer (across agencies)

Version: 16 (Final Draft)	\Strategy Development	Author: Leigh White & Jill Garrett
8 December 2016		11

	Components of each Aka	Objectives	Process measures	Outcome Transform and Sustain
ation	Population health	Validated risk profiling is used to support and understand the needs of the population and manage those at risk.	The system is responsive to the population To be completed by Population Health Teams including • Determinants of health • Population risk stratification • Service utilisation • Co design models in place	Elimination of the Health Equity Gap
tion and mitig	Equity	The gap in consumer health outcomes is addressed actively through targeted approaches to the delivery of care.	 The system is responsive to the population To be completed by Māori / Pasifika Health Teams including IDT planning and reporting demonstrate tailored responses to Māori health needs 	
Risk identification and mitigation	Continuous quality improvement	Innovative practice is supported. Recognised improvement methodologies are used to achieve evidence based enhanced patient outcomes.	 Change is supported by agreed methodology for improvement To be completed by QIPS Teams including IDTs collectively using agreed methodologies for planning and monitoring improvement Celebration of innovative best practice that is evidence based Uptake of research and development initiatives Quality Improvement initiatives cross service boundaries 	Quality improvement cycles imbedded within and across all teams of practice
	Governance / advisory support	The support of an advisory group is used to evaluate services and advise on service design and improvement	Change is supported by an Interdisciplinary Advisory To be completed by yet to be formed Advisory Team • •	

Version: 16 (Final Draft)	\Strategy Development	Author: Leigh White & Jill Garrett
8 December 2016		12

Section Four: The Methodologies that Informed the Framework

The Hawke's Bay District Health Board – Long Term Conditions Framework aims to operate from a strengths based approach. This involves looking at and for opportunities to change and improve through utilising existing expertise, systems and relationships. Highlighting high functioning, customer focused coordinated responsive care. What the framework aims to do through the **Service Review Matrix** (Appendix 4) is identify areas of excellence for the purpose of disseminating best practice within our local context, and utilise the following methodologies to effectuate change.

Appreciative Inquiry (AI) – creating a positive atmosphere for change.

<u>Appreciative inquiry</u> is a change management approach that focuses on identifying what is working well, analysing why it is working well and then doing more of it. The basic tenet of AI is that an organization will grow in whichever direction that people in the organization focus their attention

Appreciative Inquiry is about the co-evolutionary search for the best in people, their organizations, and the relevant world around them. Al involves the art and practice of asking questions that strengthen a system's capacity to apprehend, anticipate, and heighten positive potential. Al paves the way to the speed of imagination and innovation; instead of negation, criticism, and spiralling diagnosis, there is discovery, dream, and design. Al seeks, fundamentally, to build a constructive union between past and present capacities: achievements, assets, unexplored potentials, innovations, strengths, elevated thoughts, opportunities, benchmarks, high point moments, lived values, traditions, strategic competencies, stories, expressions of wisdom, insights into the deeper corporate spirit or soul-- and visions of valued and possible futures. Taking all of these together, Al seeks to work from accounts of a "positive" change core.

Results Based Accountability: Not just measuring results - partnering up with those who contribute to a collective (agreed) outcome

<u>Results-Based Accountability</u>[™] (RBA), also known as Outcomes-Based Accountability[™] (OBA), used by organisations to improve the performance of their programs or services. It recognises that 'trying hard' outputs driven models, do not always result in anyone being 'better off'. RBA uses a data-driven, decision-making process to help (communities and) organisations get beyond talking about problems to taking action to solve problems. The strength of the framework is identifying partnerships and working together for the achievement of a common goal.

IHI Improvement methodology: Testing ideas-theories in controlled environments vs whole of system change

The Model for Improvement, developed by <u>Associates in Process Improvement</u>²¹, is a simple, yet powerful tool for accelerating improvement. This model is not meant to replace change models that organizations may already be using, but rather to accelerate improvement. The model has two parts; three fundamental questions which can be addressed in any order (refer Service Review Matrix²²); What are we trying to accomplish, How do will we know a change is an improvement and What change can we make that will result in improvement? The strength of this cycle is it identifies specific aims, establishes quantitative measures associated with an agreed outcome (improvement) using those who use and work in the system. It does not call for whole of system change- but tests environments and builds on successes that have been achieved.

²² Long Term Conditions - Service Review Matrix (LTC-SRM) includes summary of the IHI methodology Plan Do Study Act model and questions. (Appendix Two of the SRM)

Version: 16 (Final Draft)	\Strategy Development	Author: Leigh White & Jill Garrett
8 December 2016		13

²¹ <u>http://www.apiweb.org/</u> (W. Edwards Demming)

Dutcome	Key Drivers	Objective	Enablers	Service level Intervention
		Supporting the creation of	Consumer driven and designed services (addressing determinants of health)	Designed by each 'team' and o
	The burden of LTC on person-whānau - community	resilience within the communities of Hawke's Bay	Health Promotion Health Education that supports self-management	Service inclusive of consumers
			Focus activities on Health Literacy	
	Addressing the inequity gap in health outcomes	Prioritise work programs that address the	Raising expectations of health and well- being (consumers and health professionals)	Designed by each 'team' and or
The population of awke's Bay expect to be well and live well	for Māori and Pasifika	determinants of health and well being	Activities focused on early detection (Risk identification) and prevention	Service inclusive of consumers
			Inter- sectoral combined work activities	
	Partnering is needed to build an integrated	Develop (Strategic) partnerships that	Use of agreed common methodologies for Change – Planning – Reporting-Monitoring	Designed by each 'team' and o Service inclusive of consumers
	responsive system	collectively work towards common outcomes	Workforce strategic development I line with population health needs	
			Collaborative pathways of care that cross health sector boundaries	
	Risk identification and	Establish networks of expertise and experience	LEAN methodologies focused on Safety – Effectiveness - Efficiencies	Designed by each 'team' and o Service inclusive of consumers
	Mitigation	include: clinical-non clinical skilled & lay workforce	Values and behaviours imbedded in practice (safe to challenge status quo)	

Driver Diagram (IHI Improvement Methodology)

(For - consultation)

Bibliography:

References - Local Documents:

HBDHB Transform and Sustain (Refresh), Maori Health Plan, Equity Report 2016, Healthy Eating Strategy, Draft Youth Strategy, Primary Care Strategic and Annual Plans

References - Key NZ Documents

- The 2016 NZ Health Strategy- Future direction and its Roadmap of Actions,²³ in particular Action 8 Tackle long term conditions and obesity
- Te Korowai Oranga²⁴
- Equity of Health care for Māori: a Framework
- Primary Health Care Strategy
- New Zealand Disability Strategy: make a world of difference²⁵ (to be revised 2016)²⁶
- Disability Support Services, Strategic Plan 2014-2018²⁷
- Health of Older People Strategy 2002²⁸ (update in progress due 2016)
- Positive Aging Strategy²⁹
- 'Ala Mo'ui: Pathways to Pacific Health and Wellbeing 2014–2018
- The Crown Funding Agreement and its schedules, the Operational Policy Framework and the Service Coverage Schedule and the Nationwide Service Specifications.³⁰

³⁰ <u>http://nsfl.health.govt.nz/</u>

Version: 16 (Final Draft)	\Strategy Development	Author: Leigh White & Jill Garrett
8 December 2016		15

²³ <u>http://www.health.govt.nz/system/files/documents/publications/new-zealand-health-strategy-future-direction-apr16.pdf</u>

²⁴ <u>http://www.health.govt.nz/our-work/populations/Māori-health/he-korowai-oranga</u> this link provides a description of its various elements – including its aim: Pae Ora– Healthy futures for Māori. Pae Ora (Healthy Futures) is the Government's vision and aim for the refreshed strategy. It builds on the initial foundation of Whānau Ora (Healthy Families) to include Mauri Ora (Healthy Individuals) and Wai Ora (Healthy Environments).

²⁵ <u>http://www.health.govt.nz/publication/new-zealand-disability-strategy-making-world-difference</u>

²⁶ Revising the New Zealand Disability Strategy <u>http://www.odi.govt.nz/nzds/</u>

²⁷ The Disability Support Services' (DSS) Strategic Plan, reflects commitment to the United Nations Convention on the Rights of Persons with Disabilities 2008, which aims to 'promote, protect and ensure the full and equal enjoyment of all human rights and fundamental freedoms by all persons with disabilities, and to promote respect for their inherent dignity'. http://www.health.govt.nz/publication/disability-support-services-strategic-plan-2014-2018

²⁸ The Health of Older People Strategy sets out a framework for improving health and support services for older people. <u>http://www.health.govt.nz/publication/health-older-people-strategy</u>

²⁹ The Office for Senior Citizens <u>https://www.msd.govt.nz/what-we-can-do/seniorcitizens/positive-ageing/strategy/</u>

Specific Links

Obesity

http://www.health.govt.nz/our-work/diseases-and-conditions/obesity/childhood-obesity-plan

- http://www.health.govt.nz/our-work/diseases-and-conditions/obesity/obesity-related-publications
- http://www.health.govt.nz/our-work/diseases-and-conditions/obesity/weight-management-hiirc
- http://www.health.govt.nz/our-work/diseases-and-conditions/obesity
- http://www.health.govt.nz/our-work/eating-and-activity-guidelines
- http://www.health.govt.nz/our-work/eating-and-activity-guidelines/current-food-and-nutrition-guidelines
- http://www.health.govt.nz/publication/guidance-healthy-weight-gain-pregnancy

Smoking

http://www.health.govt.nz/our-work/preventative-health-wellness/tobacco-control/smokefree-2025

Health Literacy

Health Literacy Review: a guide http://www.health.govt.nz/publication/health-literacy-review-guide 2015

Evidence based research

http://www.health.govt.nz/publication/health-loss-new-zealand-1990-2013

http://www.health.govt.nz/our-work/life-stages/child-health/child-health-publications

http://www.health.govt.nz/publication/food-and-nutrition-guidelines-healthy-children-and-young-people-aged-2-18-years-background-paper

http://www.health.govt.nz/nz-health-statistics/health-statistics-and-data-sets/new-zealand-burden-diseases-injuries-and-risk-factors-study-2006-2016

Disease specific groups – best practice guidance

Cancers

http://www.health.govt.nz/publication/new-zealand-cancer-plan-better-faster-cancer-care-2015-2018 http://www.health.govt.nz/our-work/diseases-and-conditions/cancer-programme

http://www.health.govt.nz/our-work/diseases-and-conditions/cancer-programme/faster-cancer-treatment-programme/national-tumour-standards

Cardiovascular

http://www.health.govt.nz/our-work/diseases-and-conditions/cardiovascular-disease http://www.health.govt.nz/publication/new-zealand-primary-care-handbook-2012

Version: 16 (Final Draft)	\Strategy Development	Author: Leigh White & Jill Garrett
8 December 2016		16

Chronic Kidney Disease

http://www.health.govt.nz/your-health/conditions-and-treatments/diseases-and-illnesses/kidney-disease http://www.health.govt.nz/publication/managing-chronic-kidney-disease-primary-care

Chronic pain

http://www.ncbi.nlm.nih.gov/pubmed/21946879

Blythe, F. Dominick, C Nicholas, M. NZ Medical Journal (NZMJ) 24 June 2011, Vol 124 No 1337; ISSN 1175 8716

Chronic Respiratory Disease

http://asthmafoundation.org.nz/news-and-events/publications/ https://www.thoracic.org.au/ http://asthmafoundation.org.nz/wp-content/uploads/2012/03/COPDguidelines.pdf

Dementia

http://www.health.govt.nz/publication/new-zealand-framework-dementia-care

Diabetes

Living Well with Diabetes is the Ministry's plan for 2015 to 2020. It builds on this work already underway and seeks to improve outcomes for people with diabetes http://www.health.govt.nz/our-work/diseases-and-conditions/diabetes/quality-standards-diabetes-care http://www.health.govt.nz/our-work/diseases-and-conditions/diabetes/quality-standards-diabetes-care http://www.health.govt.nz/our-work/diseases-and-conditions/diabetes/quality-standards-diabetes-care http://www.health.govt.nz/our-work/diseases-and-conditions/diabetes/quality-standards-diabetes-care

Gout

http://www.health.govt.nz/publication/health-literacy-and-prevention-and-early-detection-gout

Version: 16 (Final Draft)	\Strategy Development	Author: Leigh White & Jill Garrett
8 December 2016		17

Mental Health and Addiction

- https://www.rnzcgp.org.nz/assets/documents/Training-and-Beyond/Curriculum-Documents-2014/Mental-Health-CS.pdf
- http://www.health.govt.nz/publication/rising-challenge-mental-health-and-addiction-service-development-plan-2012-2017
- http://www.tepou.co.nz/outcomes-and-information/knowing-the-people-planning/31 http://www.health.govt.nz/our-work/mental-health-and-addictions

http://www.depression.org.nz/

https://thelowdown.co.nz/

http://www.health.govt.nz/our-work/mental-health-and-addictions/mental-health-publications

Musculoskeletal Disorders

- http://www.arthritis.org.nz/wp-content/uploads/2012/09/fitforwork.pdf
- http://www.arthritis.org.nz/wp-content/uploads/2011/07/economic-cost-of-arthritis-in-new-zealand-final-print.pdf
- http://osteoporosis.org.nz/resources/health-professionals/fracture-liaison-services/
- http://www.health.govt.nz/our-work/preventative-health-wellness/mobility-action-programme
- http://www.health.govt.nz/publication/family-doctors-methodology-and-description-activity-private-gps
- refer https://www.rnzcgp.org.nz/assets/documents/Training-and-Beyond/Curriculum-Documents-2014/Musculoskeletal-CS.pdf

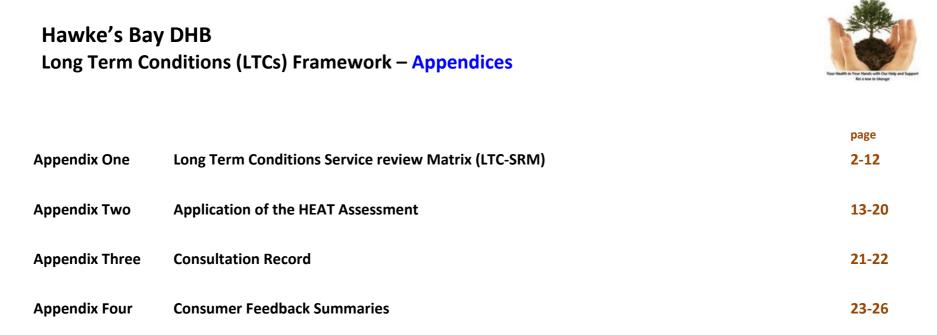
Palliative care

http://www.health.govt.nz/our-work/life-stages/palliative-care http://www.tepou.co.nz/initiatives/equally-well-physical-health/37

Stroke

http://www.health.govt.nz/publication/new-zealand-clinical-guidelines-stroke-management-2010

Version: 16 (Final Draft)	\Strategy Development	Author: Leigh White & Jill Garrett
8 December 2016		18

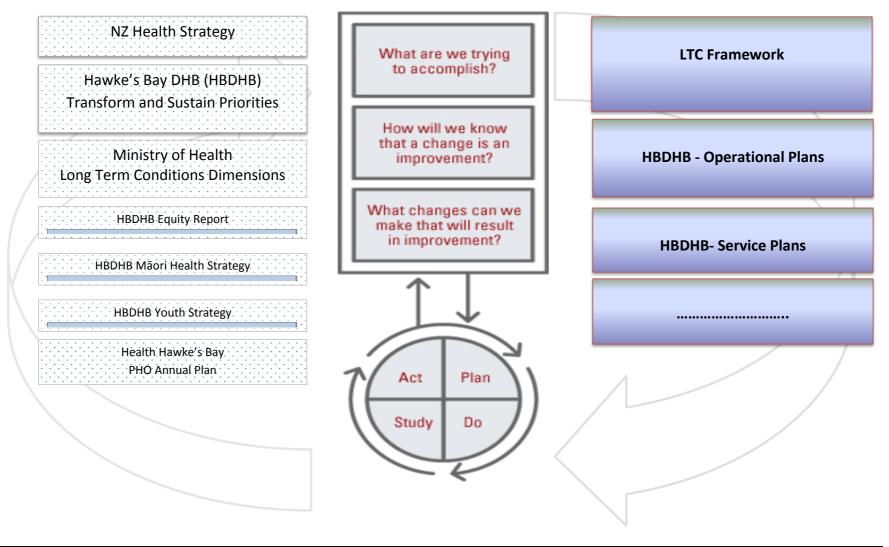


Appendix FiveFinancial Summary27-34

LTC Service (Self) Review Matrix	1 Page
Version 2: 28.10.16	Authors: Jill Garrett – Leigh White

Appendix One: Long Term Conditions – Service Review Matrix (LTC-SRM)

(DRAFT) completion and development by LTC Advisory Group



LTC Service (Self) Review Matrix	2 Page
Version 2: 28.10.16	Authors: Jill Garrett – Leigh White



Strengthening an Integrated Approach to Patient Care

Background

This matrix has been developed in alignment with the Long Term Conditions Framework and in response to the need to provide an evaluative framework on which to base decision making when a service/provider:

- a) evaluates performance against the Four Akas,
- b) maps service capacity inclusive of both strengths and areas for development
- c) economically and strategically aligns the distribution of resources and support

The Purpose

The self-review matrix is to build internal capacity within an organisation/service to self-evaluate and self-design areas for improvement. By using internal expertise with the assistance of critique of an external provider (in this instance the PHO quality leader and quality support team members or in DHB QIPS team). The process of self-evaluation and review follows the plan, do, study act model (Appendix 1) and is underpinned by results based accountability i.e. outcomes focused.

Suggested methodology

The quality review matrix is designed as a proactive evaluation framework based on evidence based thinking methodologies; results based accountability and the PDSA cycle of review.

- 1. Champion Resources (CR) are identified within each work area but should consist of no less than; x 1 GP/Consultant, x 1 Service Nurse/Registered Nurse x 1 Service Manager/Clinical Nurse Manager. A Quality Leader (QL) from the PHO/DHB QIPS are identified for each Service.
- 2. Resources change management, facilitation, interview skills can be utilised to host learning conversations http://www.infed.org/thinkers/argyris.htm

3. Suggested steps for CR and QL

- Work through the quality review matrix, using resources above in particular having the conversations where they feel what best fits against the component parts of the four akas.
- Assign evidence to substantiate conclusions in line with evidence that has been identified in the matrix. Identify and prioritise areas for improvement. Each performance indicator; competent, proficient and excellent are divided into two levels by a number. The **lesser** number indicates **working towards** achieving at this level and the **greater number** indicates **working at this level**.
- Findings are mapped for each work area. The results can be used to strategically and economically allocate resources, determine both individual service support and support to be provided collectively to groups of services with areas in common for development.
- Develop an action plan to address the areas for improvement, resources needed, support required, and time frames to achieve success against the identified indicators.

LTC Service (Self) Review Matrix	3 Page
Version 2: 28.10.16	Authors: Jill Garrett – Leigh White

	The Four Aka	Components of each Aka	Notes
		Consumer Voice	Consumer Council and Clinical Advisory Group (PHO)
Aka Tahi	Person-Family-Whanau centred Care	Health Literacy	QIPS
Aka	,,	Self-care	Imbed work
		Understanding Determinants of health	Public Health Unit, Maori Health
		Health and Social Care Networks	MOH Priorities
Rua	Person centred clinical systems and	Models of care development	РНО
Aka	processes	Collaborative Pathways	Between Providers. Integration/Outcomes
		Integrated IT systems and enablement's	IT, Business Analyst
		Workforces capacity and capability	Workforce Development – unregulated, careers
a Toru	Workforce Development and	Clinical Leadership	Attraction and retention of high performing staff – Nursing workforce development
Aka	Enablement	Clinical Expertise	
		Intersectoral development	Integration work with NHSP – DHB-PHOs
		Population Health	Public Health Unit
ha		Equity	НЕАТ
Aka Wha	Risk Identification and mitigation	Continuous quality improvement	Between Providers. Outcomes Focus. Show casing the 'success – bright spots' in achieving area based integration.
		Governance/advisory support	Advisory group

Definitions:

Service Generic identifier of a range of health provision agents which include hospital based services – community services – general practice

LTC Service (Self) Review Matrix	4 Page
Version 2: 28.10.16	Authors: Jill Garrett – Leigh White

Performance Indicators:

Table 1.0 - Global Indicators (vs Individual Indicators in Table 1.1 – below)

Excellence	ce	Improver	nent	Entry	
6	5	4	3	2	1
Services exhibit a systems wide approach and can be recommended as champions to lead in ALL Akas .		A service that is functioning at this level exhibits good practice in most areas and has evidence to support their working towards a systems based approach - in ALL Four Akas		A service that is functioning at this level exhibits areas of good practice but this is reliant on individual staff vs. a systems based approach	
Service can provide a body of	evidence to support:	Service can provide a body of	evidence to support:	Service can provide a body	of evidence to support:
Highly responsive to both perso outcomes.	n and population health	Responsive to the person's vo proactive approach to gaining		Responsive to the person's approach to gaining feedbac	voice and demonstrates a k.
Strategies that have a focus on centred care.	person/family/whanau	Some integrated models of interdisciplinary teams with a all services.	• • •		
Proactive engagement with ex enhancing outcomes (through a Seamless vertical and horizont	whanau ora approach).	Some vertical and horizontal i dedicated CQI activities.	ntegration in place, with	Minimum standard sets that have been validated have been achieved e.g. Co Accreditation (Primary Care), QA Health Secondary Care).	
with dedicated CQI activities. Attainment of 100% Measures/Operational Targets.	of System Level	Attainment of 80% of Sy Operational Targets (DHB).	stem Level Measures/	Attainment of 70% of System Level Meas Operational Targets (DHB).	
Provision of an integrated ra clinical and support, including to	inge of services (both	Engagement and utilisation o tools.	f clinical and support E-		
referrals, benchmarking etc.).		Workforce and service plannir	ng is being developed.		rienced workforce at a ratio
Demonstrates an inter-profe engagement and membership o		Able to provide and suppo placement.	rt professional student	able to meet the needs of registered population.	
Serious and sentinel events are Shared learnings conducted int external forum.	•	Serious and sentinel events ar and used for in-service improv	. .	Serious and sentinel events are managed and report	

Table 1.1 – Individual Indicators (vs Global Indicators in Table 1.0 above)

LTC Service (Self) Review Matrix	5 Page
Version 2: 28.10.16	Authors: Jill Garrett – Leigh White

			Person-Family-Whana	au Centered Care			
Aka One			1	Entry			
	6	5	4	3	2	1	Evidence
Consumer Voice	 The service has developed a range of methods to capture feedback Information gathered relates to both generic service and specific areas of work needing a greater focus Causal link between feedback and change within the Service is evidenced - "good ideas" 		 feedback feedback. Information from all methods is fed back to the team and used to instigate change. There is growing evidence to show that feedback is linked to change within the service (not solely complaints) 		 Basic questionnaires gene feedback is in place. Evidence exists to suppor used to implement chang Complaints register conte Service meetings and for taken 	rt feedback being ge. ent discussed at mative actions	Current surveys Consumer engagement in feedback CQI projects Meeting agendas/ action points Complaints register
Health Literacy			 Planning is evident to ensure all staff are qualified in health literacy Literacy and cultural awareness evident in all health information provided (oral and written) Specific information caters to all population – literacy, culture, age, ethnicity Consumer input is sought when developing (some) forms Q &A opportunities provided and used to inform frequently asked questions – Options Grids 		 Evidence exists to suppor underway for staff to be f literacy Health Information is pro of formats Input from consumers so developing forms etc. System in place that iden for differing (Health) liter clients (pictorial, literary, 	trained in health ovided in a range ught when tifies and caters racy levels of ALL	Patient / health information and documentation Feedback / feed forward from consumers
Self Care	 Tailoring self-care models to meet consumers Specific projects/programmes/initiatives demonstrate inclusiveness of consumer MDT staff utilise individual planning e.g. care planning in primary and discharge planning in secondary care 		 Demonstrating ways to ensur actively involved in planning i management A shared MDT understanding management support means. 	their self-	 Evidence exists to suppor development of models of Isolated evidence where formed and utilised 	of self-care	Individual Planning/Discharge Planning Cycles of CQI
Determinants of health	 Staff are able to articulat competence looks and fe staff, for the person and feedback mechanisms us Cultural perspectives are in all aspects of planning Language is not a barrier Increased life expectancy population is identified a 	eels like: for evidenced in sed. a component and analysis. to engagement y for high needs	 Feedback developed to explo cultural competence within the and environment Barriers created by the healthe identified and being addresses social support systems 	he work place, staff n Service culture are	 On-going staff training in communication skills - cu At a glance – environmen sensitive (location and us information and presenta 	Iture specific. It is culturally se of space &	Māori Health Plan Environment Consumer focus groups Feed forward mechanisms Use of language line

LTC Service (Self) Review Matrix	6 Page
Version 2: 28.10.16	Authors: Jill Garrett – Leigh White

Aka Two	Person centred clinical systems and processes				
	Excellence		Improvement	Entry	
Health and Social Care Networks	65• Partnerships in health care is evider• The Networks meet & exceeds all targets on a quarterly basis.• The Networks have proactively determined further priorities.• Outcomes for each priority are clear identified and a plan of action is in place.• A review process can be demonstrativity the capacity for change	rly	4 3 • Achieves within 5-10% of all System Level Measures/Targets in all four quarters. • Planning is underway in content, method of delivery, duration and target population to form an integrated approach	2 1 • Archives (inconsistently) against systelevel measures • Identifies areas for development and addresses recommendations. • Works proactively with guidance to develop an Action Plan. • Demonstrates improvement over time areas identified in Service reports	System Level Measures/Targets results Service Quarterly
Models of Care development	 All data inclusive in planning Partnerships in health care evident Total workforce involvement in achieving outcomes Using principles as a basis for tests of changes e.g. implement a Stanford Model for all conditions – a model to can be promoted from all sectors 		 Gaps known to staff and data is being used to analysis and plan strategies for addressing the gap Limited links to other providers Demonstrates fundamental transformation of the relationship between a person/carer and provider e.g. consumer satisfaction 		Data analysis Consumer satisfaction What is working well – lean and embed
Collaborative Pathways	 Service provides clinical leadership assist with the development, publis and socialising of pathways 		 Service provides clinical staff to assist with the development, publishing and socialising of pathways Identifies staff for potential assistance with collaborative pathways 		Number of pathway participation
Integrated IT systems	 Improvement cycles well evidenced embrace new technology e.g. patien portal, patient held records, telehea care (remote via phones, mobiles, internet, videoconferencing) 	nt	 Planning processes are in place to align to technological changes to support telehealth care 	 No planning to keep abreast with technology changes 	IT systems- Patient Portal,

LTC Service (Self) Review Matrix	7 Page
Version 2: 28.10.16	Authors: Jill Garrett – Leigh White

		Workforce Development	t and Enablement						
Aka Three	Excellence								
	6 5	4	3	2	1	Evidence			
Workforce capacity and capability	 There is a process for the team to measure their competency (advanced) with their consumers and peers. Staff turnover / staff rejuvenation are considered as part of sustainability planning. Staff development, education and support are mechanisms used to promote a culture of continuous improvement. 	use of skill base.The culture of the team is achievement focused (e.g.	to inform areas for improvement and effective employment agreement and current						
Clinical Leadership	 Members of the service are involved in local, regional or national governance. The team search out challenging opportunities to change, grow, innovate and improve. Research and risk analysis are explored 	 The service has a voice that direction external to the Ser submissions, business cases The service has clinical leade model to others in the team 	vice.e.g. writing ership that is a role	 The service has a clinic structure, recognises ir contributions and celel success. 	ndividual	CQI initiatives Staff recognition methods Publication of evidence based articles Governance membership			
Clinical expertise	 Clinical and administration staff are supported in working to their scope of practice Initiatives are supported and evidence based on population health needs Senior Nurses and Nurse practitioners have clinical lead roles. 	 Both clinical and admin tear electronic tools effectively a Systems and processes are s the team and their adheren and admin leaders. There is a direct link betwee needs and professional deve staff members. Staff to patient ratios are m (numbers and staff compete 	and efficiently. standardised across ce audited by clinical en population health elopment plans of anaged effectively	 All clinical staff belong body. Professional body com Induction & orientatior Reorientation of existir as required. Support systems are in graduates, locums, new 	ppetencies are met. programs in place ng staff carried out place for new	Compliance audits Professional Dev. Plans and Education attendance records. Audits of staffing & appointment management Orientation Induction plans			
Inter-sectoral development	 The service is represented at a range of professional forums Staff present at seminars, workshops and conferences Staff research is published Demonstrated goal-setting and motivational processes have created positive effects on health behaviours 	 Staff attend local and nation conferences pertaining to th the learning at Service and n 	eir role and share	 Staff attend local netw regular basis to suppor learnings across their m Peer review tean Service nurse foi Service Manager 	t and share network; ms rums	Professional network membership Service meeting agendas-minutes Publications			

LTC Service (Self) Review Matrix	8 Page
Version 2: 28.10.16	Authors: Jill Garrett – Leigh White

Aka Wha				Risk identification a	nd mitigation			
	Exce	llence		Improveme	ent	Entry		Evidence
	6		1					
Population health	 The service meets on a quarterly basi The service proactifurther population Outcomes for each identified and a plation A review process (or demonstrated with change 	s vely determin based priorit priority are o n of action is CQI) can be	nes ties (risk) clearly s in place	 The service has designed im reviewed a number of strate Service knows specific popu risk stratification, recalls) he are monitoring 	egies lation (registration,	 Data collection is set u able to record and retr and individual health d codes, classifications, r length of stays etc.) Health data is reviewed multi-disciplinary team Strategies are being de population health outcome 	ieve population ata (e.g. read ecall systems, d routinely by the veloped to address	Data captures Dr Info access and use Equity Data – Maori Health data SLM measures Risk stratification Models CAP
Equity	 ≥ 3% gap between System Level Meas Improvement cycle Partnerships in hea Total workforce inv achieving outcome 	ures/Health s well eviden Ith care eviden volvement in	Targets nced	 ≥ 5% gap in MPI and NMPI S Measures/Health Targets Service data is used to analy strategies for addressing the Limited links to other provid 	rsis and plan e gap	 ≥ 10% in MPI and NMP Few links to other prov 	-	MPI vs. NMPI analysis (Not Total vs. Maori
Cycle of Continuous Quality Improvement	 Proactively reviews a range of risk calc Uses tracer (or oth identify areas for in Experiences and ou with other provide network meetings Leader in Service C 	ulators er) audit proo nprovement utcomes are s rs e.g. at prof / forum	cesses to shared fessional	 Both electronic audits and in processes are undertaken in The whole team or multi-dis group is involved in the inve- incidents Recommendations following Quality Improvement activit Management of Major incid Infectious Diseases and Fire Services continuity planning and updated 6-12 monthly a 	a an organised plan sciplinary quality stigation of all g events are used as ies ents – Emerging are all part of the and are reviewed	 Accidents, incidents an recorded routinely and Meeting agendas/ min that reduction of harm cycles (patients and state clinical audit is undertaken Best Practice Guideline all programmes and cata accessed. 	reviewed utes demonstrate forms part of CQI iff) aken and a PDSA is s form the basis of	Incident reporting Trend analysis Action plans – CQI Service meeting agendas/minutes Action research Peer reviews Clinical audits Compliance audits
Governance and Advisory	 A culture of contin exists in all areas a one area or one pe progression. Achieves and excee Self-managing Proj Provides leadershi of effective progra population health 	nd is not relia rson for its eds all targets ect Planning p in the devel mmes that ac	ant on s	 Business continuity/service/ current and review mechani Achieves within 5-10% of all four quarters. Self-managing action planni recommendations 	sms in place Health Targets in all	 Governance and adviso and meet regularly Achieves (inconsistentl targets but within 20% Identifies areas for dev addresses recommend Demonstrates improve areas identified in report 	y) against health of target elopment and ations. ment over time in	Service meeting agendas/minutes Action research health target results Reports Action Plan Corrective Action Reports

LTC Service (Self) Review Matrix	9 Page
Version 2: 28.10.16	Authors: Jill Garrett – Leigh White

Bibliography:

Towards and Optimal Model of Improvement: Building Evaluative Capacity – Auckland University Education. NZ Council for Educational

Research. http://www.education.auckland.ac.nz/webdav/site/education/shared/about/schools/tchldv/docs/becsi/position-paper-1-towards-an-optimal-model-of-schooling-improvement 090907.pdf

Mason Durie (2006) Measuring Māori Wellbeing. Massey University. Wellington.

Model 2 Thinking http://www.infed.org/thinkers/argyris.htm

Maturity Matrix UK: (EQUIP) <u>http://www.maturitymatrix.co.uk/ifpMM/pdf/2-IFPMM%20InfoSheet.pdf</u>

LTC Service (Self) Review Matrix	10 Page
Version 2: 28.10.16	Authors: Jill Garrett – Leigh White

Appendix One: LTC - Service Evaluation Summary

Purpose: The Service Evaluation Summary is tool to be utilised to summarise the analysis of the service evaluations. It acts to provide a strategic view; mapping both areas of strength and areas for development. The purpose of which is to globally look at where expertise can be shared across the 'network of services', where resources need to be allocated to strengthen capabilities.

							Excellence			Proficient						Comp	etent							
					e	5		5		4. 3				2 1										
				_		Aka				Aka				Aka			Aka Wha							
	Service	Improv	vement	Team	Person	Family - Ca	Whanau C are	entred	Perso	on Centre Proce	d System esses	s and	Work		velopment ement	tand	Risk Id	entificatio	on and Mi	tigation		Service visits		
Service	Quality Improvement Facilitator	Clinical	Consumer	Administration	Consumer Voice	Health and Literacy	Self Care	Understanding the Determinants of Health	Health and Social Care Networks	Model of Care Development	Collaborative Clinical Pathways	Integrated IT Systems and Enablement	Clinical Leaderhip	Clinical Expertise	Workforce Capacity and Capability	Inter-Sectoral Development	Population Health	Equity	Coninutous Quality Improvement	Governance and Advisory Support	Date last visited	Date last visited	Date last visited	Date last visited

LTC Service (Self) Review Matrix	11 Page
Version 2: 28.10.16	Authors: Jill Garrett – Leigh White

Appendix Two: LTC- Service Review Matrix – IHI Methodology

Methodology:

1. PLAN

IHI Improvement Methodology

Develop a framework on which to base the evaluation using a rubric of performance indicators.

- Use a three-scale model with each performance indicator divided into two levels.
- The higher number indicates achieved. The lesser number indicates working towards achievement.
- **Competent** is to be viewed as covering the minimum requirements to achieve the health outcomes.

2. DO

Try out an Improvement Theory

The report and the action plan

- The report should include:
 - performance in relation to each system measures/health targets
 - recognition of Best Practice that has contributed to high performance
 - recommendations for actions to improve service performance in specific areas
- Following the report being complied staff should discuss and identify areas for improvement and prioritised. An
 action plan is then developed to address the areas for improvement, resources needed, support required and time
 frames
- After a period of 2-3 months the resulting outcomes are reviewed

3. Study / Act (is a continuous review cycle)

Review the results and standardise the improvement

The action plan and reports are reviewed and assessed:

- which component parts have addressed areas that needed strengthening and **need sustaining as part of business as usual**
- Which component parts have not addressed low performance and therefore need to be revised
- What are the new areas of focus (if any) that need to be added to the action plan
- After a period of 2-3 months the resulting outcomes are again reviewed

Version: 2	\Strategy Development	Author: Leigh White Jill Garrett
8 December 2016		12





Appendix Two: HEAT Assessment

Management of Long Term Conditions:

Background¹: Key findings from the burden of disease study 2013 tells us that people are living longer with chronic long term conditions which contributes to associated disability and or challenges that face individuals needing to access care or manage their own self-care. Hawke's Bay, has significantly higher risk factors associated with the development of a chronic condition. Māori and Pasifika are over represented within this statistic.

Understanding Health Inequalities

Type of Inequality	1. What inequalities exist?	2. Who is most advantaged and how?	3. Why did the inequality occur?
Consider the range	What do you know about inequalities in relation to	Who is advantaged in relation to the health	What causal chain(s) lead to this
of inequalities	this health issue?	issue being considered and how?	inequality?
Ethnicity ²	Currently Maori and Pasifika peoples are over	Female Non- Māori Pasifika (NMPI ⁴) are least	Educational levels of females (mothers) is
	represented in all of our Health Risk Factors ³ which	represented in the LTC (Generic) cohort,	identified as having a high impact on
	are listed in order of risk; Tobacco use, high body	followed by Male NMPI, however this is	future population outcomes inclusive of
	mass index, high blood pressure, high blood glucose	dependent on the specific condition(s).	health. A 15% gap exists between Māori
	level and low levels of physical activity. All of these		(70%) and European females (85%)
	risk factors contribute to premature mortality,		18yr+ leaving school with NCEA L2 or
	increased incidence long term condition and co-		above. The gap for males is 16%.
	morbidity rates. The disparity gap is greatest for		Education leading to improved choice re
	smoking and high body mass index.	_	employment, housing, lifestyle etc.
			Influence directly the determinants of health as identified below in this table.

² Ethnicity inequality – not counted twice – each separate component...

⁴ MPI-Maori Pasifika peoples vs Non Maori Pasifika (NMPI). This comparison is used to identify that the gap between MPI and NMPI is where health effort needs to be concentrated the most. By comparing MPI with total population we lose sight of the real difference that exists within population health outcomes.

Version: 2	\Strategy Development	Author: Leigh White Jill Garrett	
8 December 2016			13

¹ Adapted and taken from "Chronic Disease: Current Situation Analysis- (Prevalence, Morbidity and Mortality)" – Lisa Jones HBDHB Business Intelligence Team

³ Risk Factors listed are those identified in the Chronic Disease: Current Situation Analysis(Prevalence, Morbidity and Mortality) – Lisa Jones HBDHB Business Intelligence Team taken from the NZ Burden of Disease Study 2013 and the Health Equity Report – 2016.

Type of Inequality	1. What inequalities exist?	2. Who is most advantaged and how?	3. Consider the contributing factors that caused the inequity.
Levels of literacy ⁵	Currently only 1:5 New Zealanders are operating at a highly effective level of literacy. The majority of Māori, Pasifika and those from other ethnic minority groups are functioning below the level of competence in literacy required to effectively meet the demands of everyday life.	 Research suggests that people with high (health) literacy: are more likely to use prevention services (such as screening) have more knowledge of their illness, treatment and medicines are more likely to manage their long-term/chronic condition are less likely to be hospitalised due to a chronic condition are more likely to use emergency services are less vulnerable to (workplace) injury because they understand safety (precautionary) messages. 	Median weekly income by highest qualification and ethnic group for people aged 15 plus (2011) 51,000 500 500 500 500 500 500 500
Health literacy ⁶	56% of adult New Zealanders have poor health literacy skills, scoring below the minimum required to meet the needs of the demands of everyday life. Māori who live in a rural location have on average the poorest health literacy skills, closely followed by Māori who live in an urban location. The findings in the <u>Korero Marama</u> report show that overall the majority of New Zealanders are limited in their ability to obtain, process and understand basic health information and services		 workforce, unemployment and involvement with the justice services and utilisation of assisted social services. The inclusion of non-mainstream schools; Kura Kaupapa Māori and charter schools, introduction of NCEA and NZQA standards, and literacy benchmarking attempt to address the disparity that exists going forward, however the legacy of low literacy has had an impact on our current health and quality of life indicators. Low literacy levels can contribute to a lack of confidence in navigating the health systems and social support networks. This in turn contributes to the inability to access the care and support that exists and that one is entitled to.

⁵ Health Literacy is defined as; 'the degree to which individuals have the capacity to obtain, process and understand basic health information and services needed to make appropriate health decisions' (Kickbusch et al 2005). Statistics NZ – level of Adult Literacy and http://www.healthliteracy.org.nz/about-health-literacy/health-literacy-statistics ⁶ Korero Marama (2010)

Version: 2
 ...Strategy Development
 Author: Leigh White_jill Garrett

 8 December 2016
 14

|--|

Health	in order to make informed and		Systems and processes that have been set up without
Literacy	appropriate health decisions.		consumer input in their design, use of consumer feedback
(cont.)			post design and analysis of data that demonstrates consumer
			engagement with services contributes to lack of institutional
			awareness of the level of (health) literacy of their client base.
Socio	The social determinants of	Those who enjoy economic wellbeing and resilience	Limiting or limited access to education, employment and or
economic	health are the conditions in	gained through, stable and supportive family dynamics,	social supports, at a personal or population level contributes
factors	which people are born, grow,	good to excellent educational achievement,	to disadvantaged individuals and populations.
inclusive of	live, work and age. These	employment, and participation as a contributor to local	
wider	circumstances are shaped by	and regional community (networks)	Continuous and exponential increases in compromised quality
determinan	the distribution and accessibility		of life indicators will directly impact on the 'resilience' of a
ts of health	of resources at a personal		family and or community to address, self-manage, create
	(individual) and population		opportunity and work their way out of adversity. Lack of
	health level. Addressing equity		understanding around compounding factors that influence
	is about unequal distribution of		levels of resilience can contribute to inappropriate 'care and
	resources in order to advantage		or self-care' being prescribed or expected of the person
	the disadvantaged in order to		affected by compromised health.
	create as close to a level playing		
	field as possible.		
Disability	With the onset of the	Those with good family support, an able bodied	By treating the person/family as a whole and addressing the
	development of a long term	partner, access to transportation to access care	items that 'matter to the person' instead of the 'condition or
	condition the level of ability to	assistance, financially able to 'buy' assistance required	what is the matter with them' we will begin to mitigate,
	manage everyday life activities	or modify lifestyle to accommodate the condition(s).	minimise and hopefully eliminate the impact that their change
	is affected. Those with one or		in health status has on their ability to enjoy the lifestyle of
	more comorbidities have the	Those who have built resilience over time to cope with	their choosing.
	greater challenges to face. Age	change and or changes in circumstance.	
	will impact on the ability of the	Those who have developed self-managing skills that	
	individual, partner and or	enable they or their family, network to problem solve	
	whanau to manage the 🛛 👘 🥐	presenting issues.	
	compromised health state of	Those who are not at saturation point in regard to the	
	the consumer	compromises they are having to make in-order to	
		maintain a level of wellness that is acceptable to them.	

Version: 2	\Strategy Development	Author: Leigh White Jill Garrett	
8 December 2016			15

Type of Inequality	1. What inequalities exist?	2. Who is most advantaged and how?	3. Consider the contributing factors that caused the inequity.
Age - 65+	At the age of 35yrs the prevalence and onset of Long Term Conditions increases. This is particularly relevant to Māori (Female).		Contributing factors that lead to the onset of Long Term Conditions is believed to begin as early as pregnancy. Lifestyle influenced or compromised by low education levels, which contribute to economic well-being impact on the capacity of individuals and whanau to choose well in in terms of health choices.
Gender	There is approximately a 10% differential between (Māori) Male and female risk factors within the HBDHB demographic	Females are advantaged	Screening programs for females and the incidence of attendance of general practice by females presenting with whanau who are unwell has had an impact on female visibility to health professionals. On average attendance differentials between male and females is a 75:25 ratio. Screening is the first point of prevention, risk identification and management. Lack of screening impacts on both the identification of risk factors and the timeliness (acuity) of the person's health status when they engage in and access active management.
Mental wellness ⁷	Many people with long term physical health conditions also have mental wellness issues. This can lead to significantly poorer health outcomes and reduced quality of life.	Those with a single long term condition (1:5 of the 4:5 adults who have a Long Term Condition. Those with high levels of resilience, low acuity, early stages and highly skilled in self-management. Those with high health literacy Those with good whanau support	In providing disease specific health care we overlook the holistic approach that should be engendered with Long Term Conditions. People with long term conditions and co morbid mental health problems disproportionately live in deprived areas and have access to fewer resources of all kinds. The interaction between co-morbidities and deprivation make a significant contribution to generating and maintaining equalities.
Access to health care services ⁸	Those living in rural communities.	Those living within easy driving distance to services required. Those living in an area with good mobile / outreach services. Ability and desire of people to have residences in areas with easy access to services.	Residence of choice or determined by full range of health determinants. Economies of scale —as determined financially viable by the DHB Attraction and retention of staff.

⁸ This section ONLY covers physical access as all other barriers to access have been identified above e.g. socio economic section/health literacy, gender et. al.

Version: 2	\Strategy Development	Author: Leigh White Jill Garrett	
8 December 2016			16

⁷ The King's Fund and Centre for Mental Health 2012 - https://www.kingsfund.org.uk/sites/files/kf/field/field_publication_file/long-term-conditions-mental-health-cost-comorbidities-naylor-feb12.pdf

Level	Determinants with associated possible interventions (May or may not be the responsibility of the health system)
Structural:	Based on consumer and service feedback gathered in the consultation process (See Appendix 2 – LTC Framework) Education - Healthy families, confident in their own identity, able to make choices that suit their own individual context is the focus of Ka Hikitia – Māori education strategy, designed for the purpose of Māori achieving success as Māori. Literacy and numeracy project have been introduced to the education system to address underperformance of all students. Valuing kaupapa Māori education – within a Te Ao Māori framework has also been identified as mechanisms to ensure that tailored responses to differing needs within our population are needed instead of the 'one size fits all' model of thinking.
	Access points – multiple and varied – consumers consistently repeated the same messages. They want multiple access points to health care/support at varying levels. This included; hours including late nights, early mornings, weekend clinics, and the ability to – phone – email – visit or have someone visit them were needed. The use of IT – web based patient portals were seen as only being advantageous. This was reaffirmed in Wairoa – by and 82yr old male who said "My patient portal is the best thing out – time saver and ease of access to all the information I need. I'm not that stable on my feet so coming in to town can be a real issue." A recently unemployed forestry worker was quick to mention that he had no time off if working in Forestry to get to the doctor – early morning starts – long hard days – relying on forestry transport all were factors contributing to intermittent access to care.
	Utilisation of regulated health and non-health/non-regulated workforce – the consumers wanted the right people with the right skills to support them in taking care of themselves but what was most important was the right fit of person. Diversification of our workforce (bi and multicultural) was identified as a need. The right fit also extended to what level of expertise was needed and the use of non – regulated workforce to provide levels of care appropriate to the consumer. Youth for example are wanting to engage with people with an affinity for youth issues and do not need to see a GP when their needs can be managed and or coordinated by a range of other staff – Nurse practitioner – Youth social worker – Youth counsellor. Navigation of the system was identified as a need. This can be achieved through advocating for an interdisciplinary team approach to care / support.
	Interdisciplinary approach to care/support – using a wellness model – the Long Term Conditions Framework advocates for an holistic wellness approach to care based on the Four Aka. In order for care not to be focused solely on the condition but on the consumer and whanau leads to the need to have an interdisciplinary approach.
	- Generic approach not disease specific – the incidence of consumers with co morbidities dictated to the framework that what is needed is a generic approach to care. The consumer wants a primary – centralised coordinator of their care that can provide access points to specialist care as and when needed.
	- Mental health focus: Care for large numbers of people with long-term conditions will improved by better integrating mental health support with primary care and chronic disease management programmes, with closer working between mental health specialists and other professionals. Service commissioning groups should prioritise integrating mental and physical health care more closely as a key part of their strategies to improve quality and productivity in health care.

Version: 2	\Strategy Development	Author: Leigh White Jill Garrett
8 December 2016		17

Intermediate	Patient and relationship centred care – is the response that is needed to tailor care and support for consumers that will engender
Pathways: Material,	ease of access to all stages in ones' healthy development. Taking into consideration quality of life measures as well as clinical
psychosocial and behavioural factors.	measures to guide the health workforce and consumer as to 'what matters to them most' as a means of directing what type of care
The impact of	is needed – against an agreed set of priorities dictated by the consumer but advised and supported by the health professional.
structural factors on health	Raising consumer expectations – By not accepting that health inequities is an expectation if you are Māori or Pasifika and or in a group that is not experiencing equitable health outcomes (aged , disabled, living in remote areas, male) we address the issue from
	 the consumer demand perspectives. This can be achieved through; Dis-establishing myths - that exist about conditions that you should or should not expect if you fall into a particular population or age group.
	- Raising health literacy - becoming a focus of all information that is shared in a transformational vs transactional manner with the first step of finding out what is 'known to the consumer' before exchanging information that is intended to grow that information that will lead to greater understanding and self-determination in decision making
	- Creating multiple avenues to enhance self-management – by examining and evaluating the paternal aspect to health care provision, based on the level of acuity required of the consumer at any given time, we create the opportunity for the consumer to be the decision maker in their own care. If all the above is considered in the determination of the care and support that is needed then we create the right environment to implement – co designed models of care that have had the receiver and provider of care involved in its design process.
Health and Disability Services	Flexible services that can respond to variability in baseline health status and needs (mental and physical) - (see interdisciplinary teams above)
	Risk mitigation - Promotion of CQI initiatives that focus on snap shot tracer auditing that examine the pathway / care journey of the patient to identify routinely areas for improvement without them being attached to or a response to an incident – accident or death Promoting the use of the Health and Disability advocacy service – and taking learnings from any investigations or cases
Impact: the impact on	Work with national, regional and local health promotion teams
socioeconomic position	Work with ACC and other funding bodies that support employment and understanding of the determinants of health for those with a disability Cross-sector initiatives to co-fund tailored packages of care inclusive of MSD as a funder of subsidies and benefits for consumers
	Fund existing community providers to care for consumers building capacity and capability within our available work force
	Work with local education providers to inform curricular content, education pathways and career pathways Ensure step-up, step down options and the flexibility to do so within the patient journey of wellness and un wellness.

Version: 2	\Strategy Development	Author: Leigh White Jill Garrett	7
8 December 2016		18	

2.2

Pathway (AKA)	Questions	Responses
Tuatahi – Developing	How have Māori been involved in the use of	The focus of the framework is to address equity and gap in health outcomes
whānau, hapū, iwi and	HEAT?	Consumer consultation was representative of our demographic profile for Hawke's Bay.
Māori communities	Have Māori health inequalities been fully	Wairoa – consultation group – 70% Māori and chosen due to its high Maori population as well
	considered?	as high needs in relation to Long Term Conditions.
		PAG included 3 Māori members
		Consumer council members represented our rural isolated communities (Parangahau)
	I	
Tuarua – Māori	How will you involve Māori in the health and	Health and disability service: engage the 'right fit of person to work with the individual
participation in the	disability service interventions?	engaged in any service intervention. Utilise the kaitakwaenga who have recently been
health and disability	How will you build Māori workforce capability?	appointed within the Maori health team. Ensure consumers know they can request a change
sector		of person – should the right fit not be achieved (Code of Rights)
		Workforce development forms part of Aka toru – workforce development and enablement.
Tuatoru – Effective	How will you ensure that the health and	Identify this in the service plans and use the driver diagram (LTC Framework figure 1.0) to
health and disability	disability service intervention(s) proposed are	ensure that activities engaged in by services align to high level outcomes and objectives;
services	timely, high-quality, effective and culturally	example provided is – addressing the inequality gap in health outcomes for Maori and
	appropriate for Māori?	Pasifika with the enabler identified as - prioritising work programs that address the
		determinants of health
Tuawhā – Working	How will you work collaboratively with other	The inter sectoral approach of the health and social care networks in conjunction with the
across sectors	sectors to reduce Māori health inequalities?	multidisciplinary approach to providing non disease specific care to those with or at risk of
		having a Long Term Condition.

Questions	Responses		
Health inequality	System level measures and contributing measures identified in Aka Tahi		
outcomes	Use of quality of life tools to measure non clinical outcomes for consumers		
	Reduction to within 5% of gap between Māori and non-Māori		
Groups Benefiting	Those with long term conditions – who are then able to access interdisciplinary teams and increase their confidence in their self-management.		
Unintended	By focusing on generic approach – specialised care may be impacted on.		
Consequences The time frame leading up to high functioning IDTs may impact on patient care coordination.			
Workforce capacity and capability to work in a generic approach will need lead in time and to be managed well.			
Risk Mitigation	Establish a LTC advisory group inclusive of Māori and Pasifika members		
	Support and monitor service plans and operational management		
	Work closely with the QIPS team to ensure systems for improvement are in place		
	Ensure clinical leads are in place to manage care and coordination of care		

Version: 2	\Strategy Development	Author: Leigh White Jill Garrett	٦
8 December 2016		1)

How will you know if inequalities have been reduced?

By ensuring that all data is presented in MPI vs NMPI (not MPI vs Total population which masks the gap)

- Outcomes measures identified and monitored against each of the "Teams of Practice" or Service targets
- Utilisation of the System Level Measures and the contributing measures to map progress towards agreed outcomes

Reduction in the gap between MPI and NMPI

- Across the board

Version: 2	\Strategy Development	Author: Leigh White Jill Garrett	
8 December 2016			20

Appendix Three: Consultation Record - Long Term Conditions Framework



				Resulting modification to the document
Health Faculty / Area	Person	Date	Version	Resulting modification to the document
GM – Primary Care CEI- PHO			5	Include MDT approaches (in particular community pharmacies), thread through mental health wellness and youth.
QIPS	Jeannette Rendle/Adam MacDonald	July 2016	5	Resonance consumer voice and health literacy
MacDonaid Maori Health Patrick LeGeyt		July 2016	5	Meaning of the tree: • (White pine – roots intertwined/interdependencies) Need to include HEAT Data to reflect Maori Link Social connectedness
Strategic Services/CFO	- Mary Wills Tim Evans		6	On track – aligns Transform and Sustain/Links to Annual Plan/Clinical Service Plans
Medical Directorate Paula Jones, Colin Hutchinson, David Gardner		Aug. 2016	6	Keep it generic/Link it to Service Plans – Key areas: LTC/CP/Discharge Planning and E-Referrals/People to take ownership
PPC PHO Boards CAG Innovation & Development Team		August 2016 To be presented August 2016	4 7	Instead of consults – make sure use engagement/ Preventative Model Focus on self-management Data to be inclusive of Pacifica
РНО	Trish Freer, Faye Milner	August 2016	8	Comments: - supportive to work on next phases
Nursing Leadership	Chris McKenna	September 2016	8	Portray engagement with Primary care Workforce
Consumers	Consumers Mental Health - PAG		9	Comments captured and documented - Refer to Appendix 2
Consumer	Husband and wife (both with LTCs)	September 2016	10	Comments captured and documented – Refer to Appendix 2
Executive Management	Andy Phillips/Sharon mason	October 2016	12	Relationship Centred Care – Staff Resilience
GP-medical Advisors Kerryn Lum, KJ Patel, Jane Nash		October 2016	13	Finished product – easy read for all – watch the language and use of it – e.g. SLM? – What does this mean to GPs? /align the funding with diagnostics/capabilities – how will document remain responsive – how will it become real?

Version: 2	\Strategy Development	Author: Leigh White Jill Garrett	
8 December 2016			21

Nursing	Hastings Health Centre Taradale Health Centre	October 2016	12	Framework is structured
QIPS Team	Team members	October 2016	13	Will link to their work – 4000 days campaign
Hauroa Heretaunga – Nursing	Julia Ebbett	October 2016	13	What will success look like, definitions of self-care/self- management/thread through ACP/Not more but better/Right language or otherwise will disengage/ use of workforce capabilities in differing ways new roles e.g. navigator.
Consumers - Wairoa	14 consumers attending hui	October 2016	15	Comments captured and documented - Refer to Appendix 3
EMT	Executive Management Team	November 2016	16	Length of document. Order in which information presented. Generalist statements around burden of disease.
EMT	Clinical members of EMT	November 2016	17	Remove snap shot views. Include executive summary. Reframe statements to reflect better utilisation of upstream services vs cost reductions that will lead to reduced; ED Presentations, ED Admissions and Length of Stay.

Generic feedback gained through conversations and interactions with:

- Community members / consumers from Parangahau - Central Hawke's Bay

Version: 2	\Strategy Development	Author: Leigh White Jill Garrett	
8 December 2016			22

Appendix Four: Consumer Feedback Summaries

Aka Tahi	Components of each Aka	Objectives	What would success look like to you if this was done well?
Ę	Consumer voice	Consumers are integral to the design and evaluation of services	 We want to be: Updated regularly – either verbally or in written material Represented on DHB Committees and encouraged to be active and contribute Valued for their contributions. Reponses to the voice to be immediate and appropriate. Compensated for our contribution Right person/right fit and to be listened to (there are differing ways to communicate When making changes they reflect on the consumer – we want to be involved with decision making What is the first language/Te reo
Person - Family - Whanau centred Care	Health Literacy	Health literacy improvements enhance access and navigation to health services by the consumer	 We want: No jargon, simple language e.g. "Pertussis versus whooping cough" or "Influenza – why not just say flu" Talk back concept and sometimes we may want to be in pairs If the literacy is to our level we are more willing to ask for help More assistance with navigator's e.g. Kaitakawaenga/WINZ/Social Services Knowledge of what other providers can do for us Language line/Health Internet that is readable Up to date information provided for us that includes; Welcome packs – informing of length of stays, information for family/whanau, consumer rights, Information about our personal health e.g. medications, our key worker and our key physician and choices if we don't like the people we are to be cared for etc. Simplistic language about medication management – if you take this, it will do this so what happens
	Self-Care	Consumers are supported to self-manage to their highest level of confidence	 We want: We need to take self-responsibility, manage our own care and be less dependent on health system and make our own choices What matters to me Needs to be holistic Needs to have an outcome

Version: 2	\Strategy Development	Author: Leigh White Jill Garrett	
8 December 2016			23

Aka Rua	Components of each Aka	Objectives	What would success look like to you if this was done well?
	Understanding the determinants of health	Health professionals implement health strategies based on an understanding of the determinants of health	 Reassurance that some medical problems are not dismissed or overlooked when seeking help e.g. pain, chronic fatigue, skin problems Reassurance that communication is occurring between Providers of my care – right
Person Centred Clinical Systems and Processes	Health and Social Care networks	Collaborative networks developed providing services closer to home utilising a MDT ⁹ and inter-professional approach.	 team of people - is there ethical dilemmas over confidentially? Take health into the workplace – "we cannot get off work for a day to have a blood test" "No more form" filling – lets us do it once only To connect and have one system – health, social and education Transport – cost of Ambulances Hubs of services together under one roof e.g. NGOs/Heart Foundation/Breathe HB
Person Clinical System	Models of care development	Building health services around the person using a whanau ora model of care and whole of workforce approach.	 We want to be: Linked up immediately with other agencies that support the healing of a person and plus supports our family Agencies would work as a whole and not in iodation – this means we don't need to repeat our stories Agencies have the same access to personal records – no replication of information Access, independence and "free" Face to face is important At 82 years I support and can use the patient portal Extended hours of services, not only GPs but pharmacy, laboratory Don't want to be the "click the ticket" or check for check sake Someone to help us navigate through – so it is seamless
	Collaborative clinical pathways	Development, implementation and review of clinical pathways that demonstrate integration of care	 We think: Bringing the Agencies together with the person at the centre – share resources, knowledge and information.

⁹ MDT: Multi-Disciplinary Approach (Health, social and community based services)

Version: 2	\Strategy Development	Author: Leigh White Jill Garrett	
8 December 2016			4



Integrated IT systems and enablement	Information Systems, and IT are easy to use, accessible and utilised at all levels for the purpose of system wide improvement.	 We want: Single person record All to have access to our records in shared way. Records need to be constantly updated especially when one Agency has information and the other does not know yet Accuracy of data e.g. READ codes

Aka Toru	ru Components of each Aka Objectives		What would success look like to you if this was done well?
Enablement	Clinical leadership	Identified clinical leaders provide direction, support and accountability for the uptake and dissemination of best practice models to optimise patient care.	 We think: Constant personal development should take place for all staff Training to be mandatory and staff be on full pay when up-skilling Clinicians to travel worldwide to conferences and have full access and support to do technical, scientific, medical and humanities training
and	Clinical expertise	Clinical staff, medical and nursing, provide services to the top of their scope supported by best practice guidelines under the direction of identified clinical leaders.	 We think: Staff should have access and training to alternatives therapies Staff should be exposed and supported to learn from other cultures, countries and societies Clinical leaders should be accountable to consumers groups e.g. PAG and to be flexible and adaptable
orce Development	Workforce capacity and capability	The workforce, inclusive of the lay workforce are able to work at the top of their scope with adequate support from the sector to achieve optimal patient care.	 We think: Supervision would be compulsory every 4 weeks for staff working in mental health including nurses, care associates, key workers and clinical team Supervision should be tailored fit i.e. staff could chose who they would like as supervisor and the supervisor "constant" for contact On demand supervision would be available when requested by staff
Workforce	Inter-sectoral development	Patient care is maximised through the utilisation of a MDT approach to individualised care.	 We think: Every shift should have time for debrief – not only crisis but day to day events Regular staff meetings Integration of all Teams (rural not working in isolation)

Version: 2	\Strategy Development	Author: Leigh White Jill Garrett
8 December 2016		25

Aka Wha	Components of each Aka	Objectives	What would success look like to you if this was done well?
			We want:
			Maori decision making
		Addressing the gap in patient	Recognise the treaty and reflect this in workforce
	Equity	outcomes is addressed actively	 Funding to address the equity gaps
		through targeted approaches to	Wairoa's fit is unique
o c		the delivery of care.	Address access issues
e E			 Better transport for our disability – e.g. a bus that travels to Napier is fit for
at a			disabilities
Risk Identification and Mitigation		Innovative practice is	We want:
iti t		supported. Recognised	Person and relationship centred care
ΞΞ	Continuous quality	improvement methodologies	Advertise technology to support health needs e.g. "time reminders in phones for
모 모	improvement	are used to achieve evidence	insulin"
sk ld and		based enhanced patient	
a		outcomes.	
l c			No Comments recorded
		The support of an advisory	
	Governance and or	group is used to evaluate	
	advisory support	services and advise on service	
		design and improvement	

*Consumers consulted in this exercise were: Patient Advisory Group (Mental Health), HBDHB. Consumer Group from Wairoa. Consumer Council members: Graeme Norton. Consumers of services: Rosemary and Terry Marriot, CHB consumer and consumer council members, feedback from Parangahau in relation to CHB Network.

	CX	
	\sim	
\sim	0	
\mathbf{N}		

Version: 2	\Strategy Development	Author: Leigh White Jill Garrett
8 December 2016		26

Appendix Five: Financial Summary

Purpose: To provide an indicative base line figure for the current spend in relation to Long Term Conditions. In a strategic landscape – what shift in spending needs to be planned for move the ratio of spending away from acute (Get well) Hospital and (Stay Well) Rehabilitation and Support Services and move towards (Start Well) Prevention and Detection and Management Services over time. **Figures quoted below are - \$000s**

Shifting resource to support diminished demand on acute services through greater utilisation of up-stream services

The Current State - Long Term Conditions					
Start Well		Get Well		Stay Well	
Prevention	Detection and Management Services	Intensive Assessment and Treatment		Rehabilitation and Support Services	
Public Health	Primary Care	Hospital	Out of District	Community	
\$5,311	\$7,810	\$22,082	\$27,701	\$6,555	
8%	11%	32%	40%	9%	

		Future State	
20%	20%	60%	10%

Version: 2	\Strategy Development	Author: Leigh White Jill Garrett	
8 December 2016			27

Financial Assumptions: (Provided by financial accountant)

Long Term Conditions costings have been based on a 15% calculation of the total health spend. This is based on the % population with one Long Term Condition. It is estimated that the prevalence of co morbidities would affect up to 35%. Assumptions therefore had to be made when estimating the costs. See full list of assumptions below:

The top five long term conditions; CVD, Respiratory, Cancers, Diabetes and Musculoskeletal have been used to gauge spend.

Long term Conditions - Primary, Hospital, and Community costings:

A % relating to LTC based on LTC Hospitalisations for HB domiciled patients for 2011 to 2013 as documented in Lisa Jones Report (2015) QIPP LTC Supporting the local implementation of the Year of Care Funding. Model for people with long-term conditions (2012).

Total LTC Hospitalisations for HB domiciled patients 2011 to 2013, Per Chronic Conditions dataset from Business Intelligence Includes the following: Musculoskeletal Disease, Diabetes Complications- Renal Failure, Diabetes, Ischaemic Heart Disease, Stroke, Asthma, COPD, Cancer (No=17479) Total Discharges for HB domiciled patients for 2011-2013 (dataset from Business Intelligence) (no=118971) Note these figures are per HB domicile of patient rather than per location of service which the \$ are based on. Equates to – estimated 15% of total spend.

Out of district costs are based on IDF data. A full summary is provided in Appendix Five for IDF Public Health spend is calculated at 100% of budget due to it being too difficult to determine which are LTC and all are preventative and general in nature. IDFs are classified between various LTC conditions, and therefore no further apportionment is required.

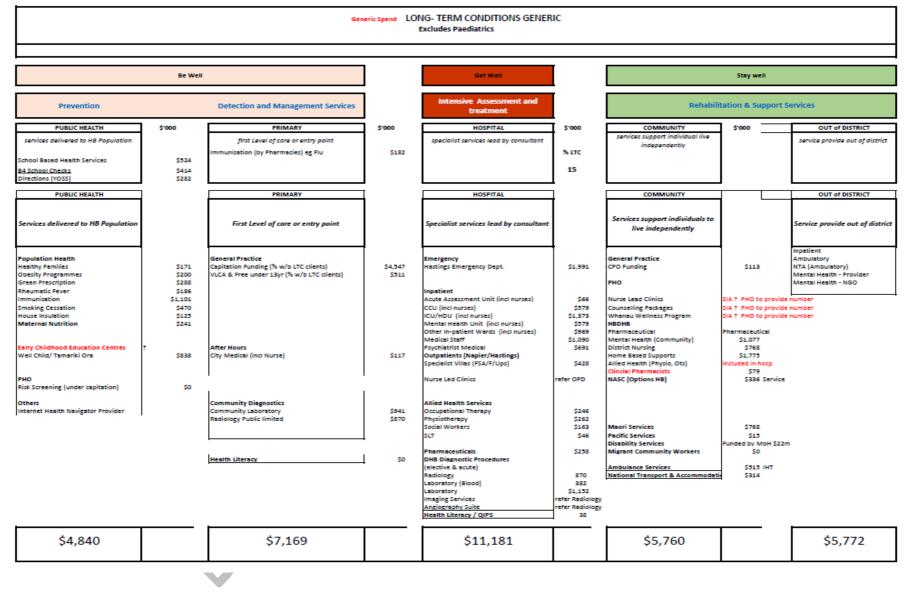
As information is captured at a higher level it is difficult to itemise costs to specific conditions. Therefore, only costs which can be clearly attributed to a specific condition e.g. Haemodialysis to Diabetes are shown under specific conditions. Generic amounts capture costs not able to be itemised.

Exclusions

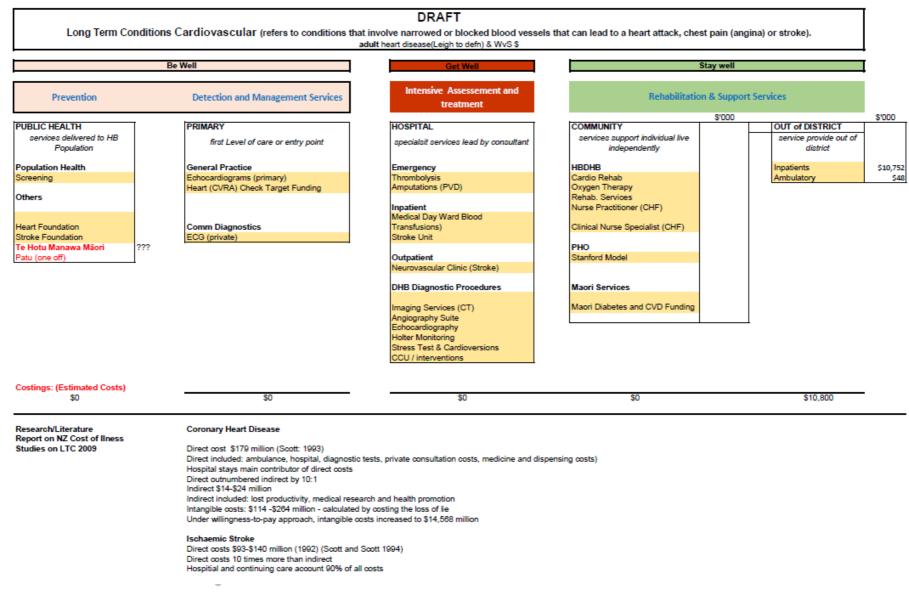
Residential Care costs are excluded as typically relate to people over +65 and are difficult for the DHB to control. Paediatrics (Hospital & IDFs) excluded from analysis as unable to confirm conditions are long term at this stage.

Version: 2	\Strategy Development	Author: Leigh White Jill Garrett
8 December 2016		28

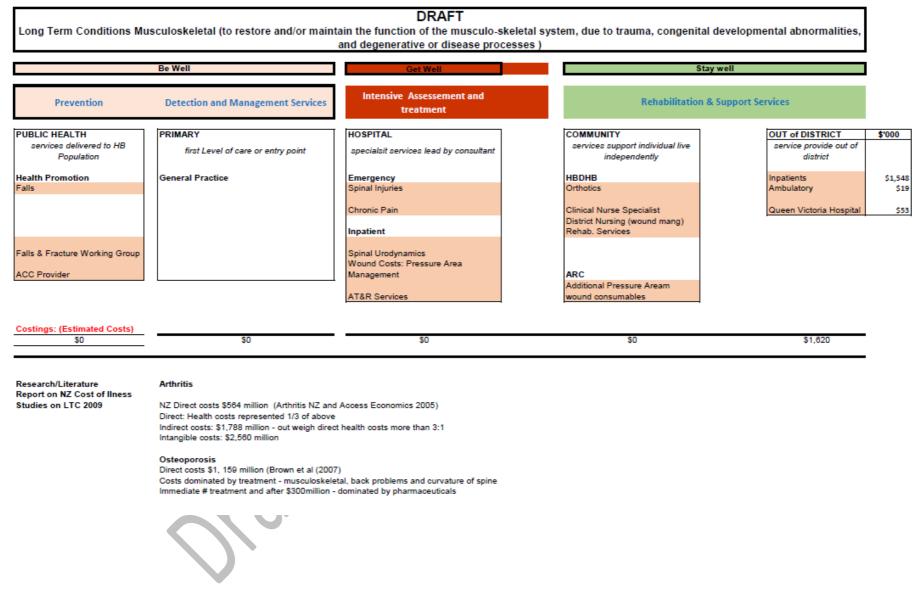




Version: 2	\Strategy Development	Author: Leigh White Jill Garrett
8 December 2016		29



Version: 2	\Strategy Development	Author: Leigh White Jill Garrett
8 December 2016		30

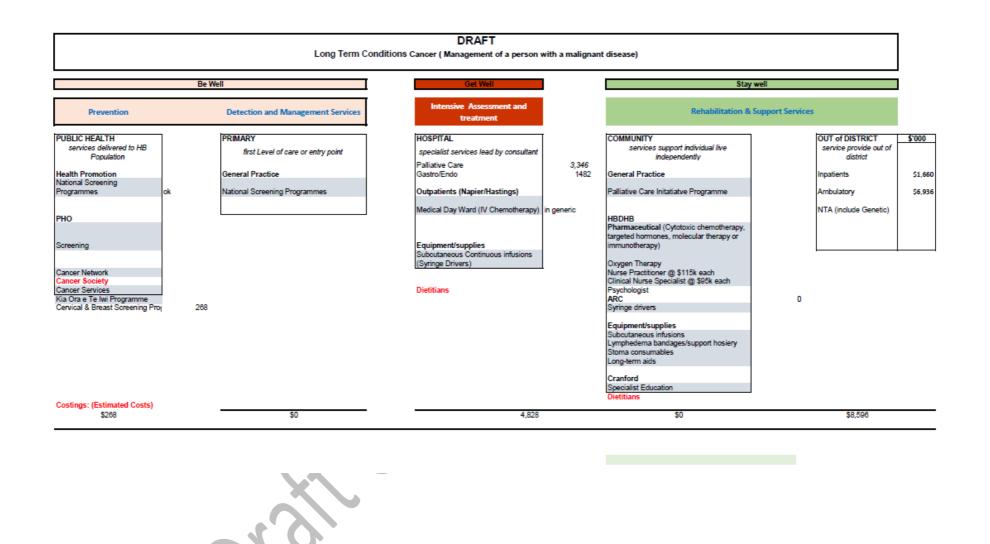


Version: 2	\Strategy Development	Author: Leigh White Jill Garrett	
8 December 2016			1

	Be W		Get Well	Stay we	-11		
	Den	- 11	Oet Hell	out we			
Prevention		Detection and Management Services	Intensive Assessement and treatment	Rehabilitation & Su	pport Services		
UBLIC HEALTH	Т	PRIMARY	HOSPITAL	COMMUNITY	OUT of DISTRICT \$'000		
services delivered to HB Population		first Level of care or entry point	specialsit services lead by consultant	services support individual live independently	service provide out of district		
Ю		General Practice	Inpatient	HBDHB	Inpatients \$2		
GASP Assessments		Flexible Funding Respiracitry Project	Bronchoscopy Dietitian	Pulmonary Rehab COPD	\$251 Ambulatory \$ \$35		
	1			Home Oxygen			
Breathe HB	203 (suggest comm		Outpatients (Napier/Hastings) Sleep Apnoea Assessments	Clinical Nurse Specialists Dietitian			
	(suggest comm	Compact		Dieuuan	L		
		Breathe HB	Sleep Apnoea Equipment (short and long term) - CPAP, BIPAP & Humdifier				
ostings: (Estimated Costs) \$203		\$0	\$0	\$286	\$281		
Research/Literature Report on NZ Cost of Ilness		Asthma					
Studies on LTC 2009		NZ Direct costs: \$102 million 1998/99 (Mitch	hell 1989)				
		\$17 million - Hospitial (did not include oupia \$85 million pharmaceutical	teitn or ED attendances)				
COPD							
	NZ Direct costs: \$103-\$192 milion (2002) Hospitalisations were the highest costs items - 63% Pharmaceuticals account 15% of costs						
		Pharmaceuticals account 15% of costs			Lung Cancer		
		Pharmaceuticals account 15% of costs					
		Pharmaceuticals account 15% of costs Lung Cancer	harmaceuticals				
		Pharmaceuticals account 15% of costs Lung Cancer NZ Direct costs \$18-\$28 million Hospitalisations were 2/3 of costs Palliative care costs more expensive than p Obstructive Sleep Apnoea Direct cost \$29 million (Scott 2007)					
		Pharmaceuticals account 15% of costs Lung Cancer NZ Direct costs \$18-\$28 million Hospitalisations were 2/3 of costs Palliative care costs more expensive than p Obstructive Sleep Apnoea					

Version: 2	\Strategy Development	Author: Leigh White Jill Garrett	
8 December 2016			2





Version: 2	\Strategy Development	Author: Leigh White Jill Garrett
8 December 2016		33

IDF Coding

Purchase	U Description	Group
D01001	Inpatient Dental treatment	
M00.01	General Internal Medical Services - Inpatient Services (DRGs)	Generic
M05.01	Emergency Medical Services - Inpatient Services (DRGs)	Generic
M10.01	Cardiology - Inpatient Services (DRGs)	CVD
M10.05	Specialist Paediatric Cardiac - Inpatient Services (DRGs)	
M15.01	Dermatology - Inpatient Services (DRGs)	
M20.01	Endocrinology & Diabetic - Inpatient Services (DRGs)	Diabetes
M25.01	Gastroenterology - Inpatient Services (DRGs)	
M30.01	Haematology - Inpatient Services (DRGs)	Cancer
M34.01	Specialist Paediatric Haematology	
M40.01	Infectious Diseases (incl Venereology) - Inpatient Services (DRGs)	
M45.01	Neurology - Inpatient Services (DRGs)	
M49.01	Specialist Paediatric Neurology	
M50.01	Oncology - Inpatient Services (DRGs)	Cancer
M54.01	Specialist Paediatric Oncology	
M55.01	Paediatric Medical Service (Inpatient)	
M60.01	Renal Medicine - Inpatient Services (DRGs)	Diabetes
M65.01	Respiratory - Inpatient Services (DRGs)	Respiratory
M70.01	Rheumatology (incl Immunology) - Inpatient Services (DRGs)	Orhto
M80.01	Palliative Medical Services - Inpatient Services (DRGs)	Cancer
500.01	General Surgery - Inpatient Services (DRGs)	
\$05.01	Anaesthesia Services - Inpatient Services (DRGs)	
\$15.01	Cardiothoracic - Inpatient Services (DRGs)	CVD
\$25.01	Ear, Nose and Throat - Inpatient Services (DRGs)	
\$30.01	Gynaecology - Inpatient Services (DRGs)	
\$35.01	Neurosurgery - Inpatient Services (DRGs)	
540.01	Ophthalmology - Inpatient Services (DRGs)	
\$45.01	Orthopaedics - Inpatient Services (DRGs)	Orhto
\$55.01	Paediatric Surgical Services	
560.01	Plastic & Burns - Inpatient Services (DRGs)	
\$70.01	Urology - Inpatient Services (DRGs)	
\$75.01	Vascular Surgery - Inpatient Services (DRGs)	Diabetes
W06.03	Maternity inpatient (DRGs)	
W10.01	Maternity inpatient (DRGs)	
Grand To	tal	

Grouped into link with LTC

Generic (based only on Medical)
CVD
Diabetes
Cancer
Respiratory
Ortho

Sourced from IDF Calculation Files (16/17 IDF Forecast)

Inpatient	
Row Label: Sum of Amount	
Cancer	1,660,283
CVD	10,751,507
Diabetes	872,389
Generic	1,129,028
Orhto	1,547,895
Respirat	241,112
(blank)	11,220,733
Grand Tote	27,422,946

Row Labels	Sum of Amount
Cancer	6,935,582
CVD	48,129
Diabetes	61,402
Generic	980
Ortho	18,508
Respiratory	39,596
(blank)	3,128,562
Grand Total	10,232,759



Version: 2	\Strategy Development	Author: Leigh White Jill Garrett	
8 December 2016			34

	Annual Māori Health Plan Q1 (July-Sept 2016) Non-Financial Exceptions and Dashboard Report
HAWKE'S BAY District Health Board Whakawāteatia	For the attention of: Māori Relationship Board, HB Clinical Council, HB Health Consumer Council and the HBDHB Board
Document Owners:	Tracee Te Huia, General Manager Māori Health
Document Author(s):	Patrick LeGeyt, Programme Manager Māori Health; Justin Nguma, Senior Health & Social Policy Advisor; and Peter Mackenzie, Operational Performance Analyst
Reviewed by:	Executive Management Team
Month:	December 2016
Consideration:	For Monitoring

RECOMMENDATION

MRB, Clinical and Consumer Council and HBDHB Board:

Note the contents of this report.

OVERVIEW

The purpose of this paper is to provide MRB, HB Clinical Council, HB Consumer Council and the HBDHB Board with exception report for Quarter 1 on the implementation of the 2016 – 2017 Annual Māori Health Plan. A quick reference summary dashboard will be supplied prior to the meeting and shows our position as at the end of Quarter 1 for all indicators. The dashboard uses traffic light methodology with detailed information and symbols for all indicators. For example, in a situation where the performance of the indicator for the current quarter is higher than the previous quarter this symbol ' \blacktriangle ' will be used to show an upward trend while an opposite symbol ' \blacktriangledown ' will be used to show a downward trend. In cases where the variance to the annual target for the indicator is greater than 0.5% this symbol ' \blacksquare ' (indicated on the dashboard in red) will be used to indicate unfavourable trend and 'F' for favourable trend (indicated on the dashboard in green colour) toward the annual target (see the table below).

KEY FOR DETAILED REPORT AND DASHBOARD

Baseline	Latest available data for planning purpose
Target 2015/16	Target 2016/17
Actual to date	Actual to date
F (Favourable)	Actual to date is favourable to target
U (Unfavourable)	Actual to date is unfavourable to target
Trend direction A	Performance is improving against the
	previous reporting period or baseline
Trend direction V	Performance is declining
Trend direction -	Performance is unchanged

Table of Contents

OVERVIEW	1
2017-2017 ANNUAL MĀORI HEALTH PLAN PERFORMANCE HIGHLIGHTS	3
Achievements	3
Areas of progress	3
Areas of focus	4
ANNUAL MĀORI HEALTH PLAN, QUARTER 1JULY – SEPTEMBER 2016 DAS REPORT	
QUARTERLY PERFORMANCE AND PROGRESS UPDATE	6
Cancer Screening	6
Increasing Immunisation	7
Mental Health	8
Access to Care	9
Reducing Rheumatic Fever	10
Alcohol and Other Drugs	11
Ambulatory Sensitive Hospitalization (ASH)	12
Breast Screening	13
Māori Workforce and Cultural Competency	15
Obesity	16

2017-2017 ANNUAL MÃORI HEALTH PLAN PERFORMANCE HIGHLIGHTS

Achievements

1. Cervical screening

Cervical Screening for 25-69 year old Māori women (72.7%) for this quarter is slightly lower than the 73.2% in the last 2015-2016 quarter (Page 5). However, HBDHB continues to be on the top list on Cervical Screening performance in New Zealand. This performance also narrows the disparity gap between Māori and non- Māori by 5.5%.

The performance is attributed to the HBDHB integrated service approach across the screening pathways in working together towards a common goal of attaining the national target for Māori women and addressing inequity. Māori women have access to free cervical smear tests and support services across the district. We have been working closely with GP practices to improve participation of NCSP priority group women in screening e.g. Best Practice in Primary Care project and data-matching. In addition, we have been contacting Māori and Pacific women who have never had a cervical smear or have not had one for over five years by phone or home visits, and offering outreach smears. The uptake has been positive.

Recent population projections released by the National Screening Unit show that in the next five years (2016-2021) Hawke's Bay's NCSP eligible Māori and Pacific populations will increase by 7% and the Asian population will increase by 16%. This is a challenge our sector need to prepare for.

2. Immunisation

HBDHB ranks 3^{rd} nationally for immunisation rates for 8 months old Māori and has remained above or very near the target of \geq 95% with a 94.4% in Quarter 1 (Page 6).

This success is attributable to a number of factors ranging from having a champion in the executive management team; a committed, appropriate, experienced workforce; and an action plan with sound tracking and tracing processes with NIR to ensure that children are referred to outreach if needed in sufficient time to locate them. Attempts are made to contact all families with overdue children to offer immunisation and information / resources if hesitant.

Efforts will be focused on fostering collaborative relationships with all immunisation providers to promote immunisation within the community at antenatal sessions monthly and PEPE groups (first time parents) run through Plunket.

Areas of progress

1. Mental Health and Addictions

Māori under Mental Health Act compulsory treatment orders has decreased from 201.6 per 100,000 population in Quarter 4 of 2015/16 to 183.9 per 100,000 population in Q1 2016/17. There still remains a significant inequality between Māori and non-Māori of 94.2 per 100,000 population down from 104.9 per 100,000 population in Quarter 4 (Page 7).

2. Access to Care

The number of Māori enrolled in the Health Hawke's Bay PHO increased slightly by 1% from 95.6% in Quarter 4 of 2015-2016 to 96.6% in Quarter 1 in 2016-2017 and remains slightly below the expected performance target of 97% (Page 8). Currently HBDHB ranks 4th among all DHBs in the country for Māori PHO enrolments.

3. Rheumatic Fever

Acute Hospitalisation for Rheumatic Fever has decreased from 7.33 in Quarter 3 of 2015-2016 to 4.82 in Quarter 1 of 2016-2017 (6 monthly data) (Page 9).

4. Alcohol and Other Drugs

Access to services for 0-19 Year Olds within 3 weeks of referral increased by 4.2% from 66.4% in Quarter 4 of 2015-2016 to 70.6% in Quarter 1 of 2016-2017 but still below the expected target of 80%. Similarly, 0-19 Year Olds seen within 8 weeks of referral increased slightly from 91.4% to 91.7% but less than the target of 95% (Page 10).

The decreased wait times has been a focus over 2016 and is a product of collaborative work with referrer (e.g., schools, CYF) in ensuring that we provide most seamless service possible for Māori.

Areas of focus

The above achievements notwithstanding, we are challenged to put more efforts in the following areas to gain traction towards targets:

1. Ambulatory Sensitive Hospitalisations

ASH Rates in 2015/16 and presented a significant narrowing of disparity gap for 0-4 year old group between Māori and Other and HBDHB has 3rd best results for all DHBs for 0-4 year old group. However in Quarter 1 of 2016/17 they have risen 13.1% to from 78.6% in Quarter 4 to 91.7% in Quarter 1. Similarly, ASH Rates for 45-64 year old group have increased from 170% in Quarter 4 to 196.0% in Quarter 1 presenting a significant inequality between Māori and non-Māori of 87% (Page 11).

2. Breast Screening

Breast screening services for (50-69yrs) has decreased slightly from 67.9% in Quarter 4 of 2015-2016 to 67.1% in Quarter 1 of 2016-2017 and remains just below the expected target of ≥70% (Page 12).

3. Workforce Development

Staff completed cultural training is making slow progress from 77.5% in Quarter 4 to 78.8% in Q1. Medical staff (39.9%) and Support staff (63.3%) have progressed the slowest of all occupational groupings. Medical staff, despite a 25.6% increase in 2015/16, have only increased 0.3% from Quarter 4 to 39.9% in Quarter 1 (Page 13).

Māori Workforce did not grow in Quarter 1 and remained static at 12.5%; the same result noted in Quarter 4 of 2015-2016 (Page 14). Whilst the 2016-2017 annual target of 13.8% is only an additional 10% on 2015-2016 result, it remains a significant challenge.

4. Obesity

The B4SC data for Quarter 1 of 2016-2017 (6 monthly data) shows that only 18% of Māori Children with BMI in 98th percentile were referred to a health professional for nutritional advice, which is a 2% decrease from 20% reported in Quarter 3 of 2015-2016 (Page 15).

	Immunisation												
		Prior period		to date	Period		Time Series Trend	Desired					
Indicator	Baseline	result	Maori	Other	target	(approx)	(12 months)	Trend					
Immunisation (8 Months)	92.6%	94.6%	94.4%	96.5%	≥ 95%	-2	~~~~	↑					
65+ Influenza (3m)	68.0%	56.5%	-	-	≥ 75%	•		↑					

Rheumatic Fever											
	Individual Prior Actual to date Numbers										
Indicator	Baseline	period result	Maori	Total	Period target	to Target (approx)	Time Series Trend (12 months)	Desired Trend			
Hospitalisation rate (6m)	2.48	7.33	4.82	1.86	≤ 1.5	•		\downarrow			

	Breastfeeding											
		Prior period	Actual	to date	Period	Individual Numbers to Target	Time Series Trend	Desired				
Indicator	Baseline	result	Maori	Total	target	(approx)	Time Series Trend	Trend				
QIF Data				1								
At 6 Weeks	58.0%	67.0%	-	-	≥ 75%	-		1				
At 3 months	46.0%	39.0%	-	-	≥ 60%	-		↑				
At 6 months	46.0%	48.0%	-	-	≥ 65%	-		1				

	SUDI											
Prior Actual to date Period Individual Time Series Trend D												
Indicator	Baseline	period	Maori	Other	target	Numbers		Trend				
Rate per 100,000	2.09	2.1	-	-	≤ 0.4			↓				
Caregivers given SUDI Prevention Info	72.8%	72.8%	-	-	≥ 100%			1				

	Oral Health												
Indicator	Baseline	Prior period	Actual Maori	to date Other	Period target	Individual Numbers	Time Series Trend	Desired Trend					
Pre-school enrolment rate	65.3%	74.1%			≥ 95%		·/	1					
% Caries Free at 5yrs	36.0%	36.0%	-	-	≥ 67%			1					

Tobacco											
Indicator	Baseline	Prior period	Actual Maori	to date Other	Period target	Individual Numbers	Time Series Trend	Desired Trend			
Smokefree 2 weeks postnatal	53.0%	65.6%	-	-	≥ 95.0%	•		1			

Mental Health & Addictions											
Indicator	Baseline	Prior period	Actual Maori	to date Other	Period target	Individual Numbers	Time Series Trend	Desired Trend			
Mental Health Act community treatment orders (per 100,000)	196.0	201.6	183.9	89.7	≤ 81.5	•		↓			

	Access to Care											
Indicator	Baseline	Prior period result	Actual Maori	to date Other	Period target	Individual Numbers to Target (approx)	Time Series Trend (12 months)	Desired Trend				
PHO Enrolment	97.2%	95.6%	96.6%	96.9%	≥ 100%	-1392		1				

Indicator Legend Target attained	Time Series Key:
Within 10% of target	Target
10-20% away from target	•
Greater than 20% away from target	Actual

			AS	H Ra	ites							
0-4 years (6m)	82.1%	78.6%	91.7%	80.3%	≤ 85%	-		↓				
45-64 years (6m)	172.0%	170.0%	196.0%	109.0%	≤ 138%	-		↓				
	Cancer											
Indicator	Baseline	Prior period	Actual Maori	to date Other	Period target	Individual Numbers	Time Series Trend	Desire Trend				
Cervical screening (25-69 yrs)	74.1%	73.2%	72.7%	78.2%	≥ 80%	-657		Î				
Breast screening (50-69 yrs)	68.4%	67.9%	67.1%	74.5%	≥ 70%	-102		Î				

	Maori Workforce												
		Prior period	Actual	to date	Period	Individual Numbers to Target	Time Series Trend	Desired					
Indicator	Baseline	result	Maori	Other	target	(approx)		Trend					
Medical	2.9%	3.2%	3.4%	-									
Management & Administration	16.5%	16.0%	16.5%	-									
Nursing	10.6%	10.8%	10.8%	-									
Allied Health	12.6%	13.2%	13.2%	-									
Support Staff	28.2%	29.3%	27.4%	-									
Māori staff - HBDHB	12.3%	12.5%	12.5%	-	≥ 13.8%	-54		1					

	С	ultu	ral R	espo	onsiv	venes	s	
		Prior period	Actual	to date	Period	Individual Numbers to Target	Time Series Trend	Desired
Indicator	Baseline	result	Other		target	(approx)		Trend
Medical	19.2%	39.6%	39.9%	-				
Management & Administration	79%	85.6%	87.0%	-				
Nursing	70%	81.4%	82.9%	-				
Allied Health	77%	85.2%	86.2%	-				
Support Staff	36%	60.1%	63.3%	-				
HBDHB	66%	77.5%	78.8%	-	≥ 100%	-		1

	Obesity												
Indicator	Baseline	Prior period result	Actual Maori	to date Other	Perioo target		Time Series Trend	Desired Trend					
Referred for Nutrition	30%	20%	18%	21%	≥ 95%			↑ Trenu					
Bariatric Surgery	3	3	0	0		-		-					

	Α	lcoh	ol ar	nd O	ther	Drug	S	
Indicator	Baseline	Prior period result	Actual Maori	to date Other	Period target	Individual Numbers to Target (approx)	Time Series Trend	Desired Trend
% of 0-19 year olds seen within 3 weeks of referral	91%	88.0%	81.6%	81.2%	≥ 80%	-		1
% of 0-19 year olds seen within 8 weeks of referral	100%	91.4%	91.7%	92.8%	≥ 95%	-		1

Page 5 of 16

QUARTERLY PERFORMANCE AND PROGRESS UPDATE

Cancer Screening

Outcome: Achieve the National Cervical Screening Programme (NCSP) national – Target: 80% of 25-69 years

Key Performance Measures	Baseline ¹	Previous result ²	Actual to Date ³	Target 16-17	Trend direction	Time series
Māori	74.1%	73.2% (U)	72.7% (U)	≥80%	•	Cervical Screening Coverage - Percentage of woman aged
Pacific	71.2%	71.4% (U)	74.2% (U)	≥80%		25-69 years receiving cercial screening in the last 3 years
Other	76.5%	77.8% (U)	78.2% (U)	≥80%		100%
Total	75.8%	76.6% (U)	76.9% (U)	≥80%		
Continuing to work women in screening addition, contacting have not had one f smears. The uptake Continuing to ensu Screening Program Recent population p next five years (populations will inc	g e.g. Best P Māori and P or over five has been p re accuracy me Register projections re 2016-2021) crease by 7%	Practice in Prim Practic women v years by phone ositive. of participant e and ethnicity c eleased by the I Hawke's Bay	ary Care proje who have never e or home visit ethnicity data h lata on NHI National Screer 's NCSP eligi	ct and data- had a cervio s, and offeri eld on Natio hing Unit sho ble Māori	matching. In cal smear or ng outreach nal Cervical we that in the and Pacific	50% 40% 30% 20% 20% 10% 0% $h^{0}^{1} h^{0}^{1} h^{$
challenge to the se	ctor.					Source: National Screening Unit

13 years to December 2015

23 years to June 2015

33 years to August 2016

Page 6 of 16

					Increasi	ng Immunisation
Outcome: 95% 8	month olds	completing	primary cou	rse of im	munisatio	I
Key Performance Measures	Baseline ⁴	Previous result ⁵	Actual to Date ⁶	Target 16-17	Trend direction	Time series
Māori	92.6%	94.6% (F)	94.4% (U)	≥95%	▼	Immunisation Coverage at 8 Months of Age
Pacific	100.0%	100% (F)	96.4% (F)	≥95%	▼	
Other	93.3%	95.4% (F)	96.5% (F)	≥95%		90.0%
Total	93.3%	95.2% (F)	95.4% (F)	≥95%		70.0%
Comments: Implementing the In approach. Sound tra- children are referred are made to contact information / resource Continue to foster of promote immunisation groups (first time pa	acking and tra to outreach in at all families ces if hesitant. collaborative on within the c	acing processe f needed in suf with overdue relationships v ommunity at ar	es in place wit ficient time to children to of vith all immun	h NIR to locate the fer immur isation pr	ensure that m. Attempts hisation and oviders and	60.0% 50.0% 40.0% 30.0% 20.0% 10.0% 0.0% $yy^{1/5} y_{0}e^{t/5} y_{0$

Source: National Immunisation Register, Ministry of Health

4 October to December 2015 5 April to June2016

6 July to September 2016

Mental Health

Outcome: Reduced rate of Māori under compulsory treatment orders to < 81.5 per 100,000 (total population)

Key Performance Measures	Baseline ⁷	Previous result ⁸	Actual to Date ⁹	Target 15- 16	Trend direction
Māori (per 100,000)	196	201.6 (U)	183.9 (U)	≤81.5	
Other (per 100,000)	93.4	64.5 (F)	60.1 (F)	≤81.5	
Total (per 100,000)	97	97.3 (U)	89.7 (U)	≤81.5	

Comments:

Some recent trending down for Māori CTO rates is positive but more work needed to reduce in longer term. Activity in the table below indicate moves to better understand complexities of this issue and greater connection with our communities and whānau, which is imperative. Community Mental Health vision is to have a greater Whānau Ora type approach to our treatment and service provision with a more holistic approach to needs, including social and economic factors, to support whānau aspirations for improved wellness and lifestyle. Supporting Parents Healthy Children (was COPMIA) and Pregnancy Parenting Support initiatives are examples of how and where we will be resourcing this work.

A Te Ara Whakawaiora paper was presented and discussed at MRB in August. Subsequently, the Mental Health directorate and Māori Health Services have organised a wananga that will be held in Q2 with a wide group of stakeholders to discuss the complexities of compulsory treatment orders.



7

8April to June 2016 9July to September 2016

Page 8 of 16

				Acc	ess to C	Care										
se enrolmen	nt in the PHO	– Target: %	of the po	pulation e	nrolled	in the PH	ю									
Baseline	Previous result ¹¹	Actual to Date ¹²	Target 16-17	Trend direction	Time se	ries										
97.2%	95.6% (U)	96.6% (U)	≥100%			Percen	tage o	f popu	latior	n enro	olled	with a	Heal	th Ha	wke's	
88.7%	88.4% (U)	89.6% (U)	≥100%													
96.5%	96.5% (U)	97.4% (U)	≥100%		100% - 95% -				-						_	
96.4%	95.9% (U)	96.9% (U)	≥100%		90% -	-									_	
					75% 70% 65% 55%											
						Qr Q3	0 ^A	\$	Ŷ	0 ²	0 ^A	0 ³	Qr	0 ²	04	¢,
						2013/	14				ear / Q	uarter	20	15/16		2016/17
							 Target 		Total	M	Māori		Pacific	(Other	
	Baseline 97.2% 88.7% 96.5%	Baseline 10 Previous result ¹¹ 97.2% 95.6% (U) 88.7% 88.4% (U) 96.5% 96.5% (U)	Baseline Previous result ¹¹ Actual to Date ¹² 97.2% 95.6% (U) 96.6% (U) 88.7% 88.4% (U) 89.6% (U) 96.5% 96.5% (U) 97.4% (U)	Baseline 10Previous result11Actual to Date12Target 16-1797.2%95.6% (U)96.6% (U)≥100%88.7%88.4% (U)89.6% (U)≥100%96.5%96.5% (U)97.4% (U)≥100%	Baseline 10Previous result11Actual to Date12Target 16-17Trend direction97.2%95.6% (U)96.6% (U) $\geq 100\%$ \blacktriangle 88.7%88.4% (U)89.6% (U) $\geq 100\%$ \blacktriangle 96.5%96.5% (U)97.4% (U) $\geq 100\%$ \blacktriangle	Baseline 10 Previous result ¹¹ Actual to Date ¹² Target 16-17 Trend direction Time se direction 97.2% 95.6% (U) 96.6% (U) ≥100% ▲ 88.7% 88.4% (U) 89.6% (U) ≥100% ▲ 96.5% 96.5% (U) 97.4% (U) ≥100% ▲ 96.4% 95.9% (U) 96.9% (U) ≥100% ▲ 88% - - - - 96.4% 95.9% (U) 96.9% (U) ≥100% ▲	Be enrolment in the PHO – Target: % of the population enrolled in the PHOBaseline 10Previous result11Actual to Date12Target 16-17Trend directionTime series97.2%95.6% (U)96.6% (U) $\geq 100\%$ \blacktriangle \land Percent88.7%88.4% (U)89.6% (U) $\geq 100\%$ \blacktriangle \uparrow \uparrow 96.5%96.5% (U)97.4% (U) $\geq 100\%$ \blacktriangle 100% 95% \uparrow 96.4%95.9% (U)96.9% (U) $\geq 100\%$ \blacktriangle \uparrow 100% 95% \bullet 96.4%95.9% (U)96.9% (U) $\geq 100\%$ \blacktriangle \bullet 100% 95% \bullet 96.4%95.9% (U)96.9% (U) $\geq 100\%$ \blacktriangle \bullet \bullet \bullet 96.1%95.9% (U)96.9% (U) $\geq 100\%$ \blacktriangle \bullet \bullet \bullet 96.3%95.9% (U)96.9% (U) $\geq 100\%$ \blacktriangle \bullet \bullet \bullet 96.4%95.9% (U)96.9% (U) $\geq 100\%$ \blacktriangle \bullet \bullet \bullet 96.5%96.5%96.5%96.5% \bullet \bullet \bullet \bullet \bullet 96.6%95.9%96.9%96.9% \bullet \bullet \bullet \bullet \bullet \bullet 96.6%95.9%96.9%96.9% \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet 96.1%96.9%96.9%96.9% \bullet <	Be enrolment in the PHO – Target: % of the population enrolled in the PHOBaseline 10Previous result11Actual to Date12Target 	Baseline 10Previous result11Actual to Date12Target 16-17Time series97.2%95.6% (U)96.6% (U)≥100% \blacktriangle \land Percentage of population88.7%88.4% (U)89.6% (U)≥100% \blacktriangle \land 100% 95.9% \checkmark 96.5%96.5% (U)97.4% (U)≥100% \land 100% 95% 96.9% (U)96.9% (U)≥100% \land 96.4%95.9% (U)96.9% (U)≥100% \land \land 100% 95% 95.9% (U) 96.9% (U) \ge 100% \land 96.4%95.9% (U)96.9% (U) \ge 100% \land \land 100% 95% 95.9% (U) 2100% \land 96.4%95.9% (U)96.9% (U) \ge 100% \land \land 100% 95% \bullet 100% 95% 55% 90%97.1495.9% (U)96.9% (U) \ge 100% \land \land 100% 95% \bullet 100% 95% \bullet 96.4%95.9% (U)96.9% (U) \ge 100% \land \land \bullet 100% 95% \bullet \bullet 96.4%95.9% (U)96.9% (U) \ge 100% \land \bullet \bullet \bullet \bullet \bullet 97.1496.9% (U) 2100% \bullet \bullet \bullet \bullet \bullet \bullet \bullet \bullet 97.14 \bullet 97.14 \bullet \bullet \bullet \bullet \bullet \bullet \bullet	See enrolment in the PHO – Target: % of the population enrolled in the PHOBaseline 10Previous result11Actual to Date12Target 16-17Trend directionTime series97.2%95.6% (U)96.6% (U) $\geq 100\%$ \blacktriangle \land 98.7%88.4% (U)89.6% (U) $\geq 100\%$ \blacktriangle \land 96.5%96.5% (U)97.4% (U) $\geq 100\%$ \blacktriangle \uparrow 96.4%95.9% (U)96.9% (U) $\geq 100\%$ \blacktriangle \bullet 96.4%95.9% (U)96.9% (U) $\geq 100\%$ \blacktriangle \bullet 96.4%95.9% (U)96.9% (U) $\geq 100\%$ \blacktriangle \bullet 96.1%95.9% (U)96.9% (U) $\geq 100\%$ \blacktriangle \bullet 97.1%95.9% (U)96.9% (U) $\geq 100\%$ \blacktriangle \bullet 98.1%95.9% (U)96.9% (U) $\geq 100\%$ \blacktriangle \bullet 98.1%95.9% (U)96.9% (U) $\geq 100\%$ \blacktriangle \bullet 98.1%95.9% (U)96.9% (U) $\geq 100\%$ \bigstar \bullet 98.1%95.9% (U)96.9% (U) $\geq 100\%$ \bigstar \bullet 98.1%98.1%98.1% (U) $\geq 100\%$ \bigstar \bullet 98.1%98.1% (U) $\geq 100\%$ \bigstar \bullet \bullet 98.1%98.1% (U) $\geq 100\%$ \bullet \bullet <	Baseline 10Previous result ¹¹ Target: % of the population enrolled in the PHOBaseline 10Previous result ¹¹ Actual to Date ¹² Target 16-17Trend directionTime series97.2%95.6% (U)96.6% (U)≥100%▲Percentage of population enror Bay P96.5%96.5% (U)97.4% (U)≥100%▲96.4%95.9% (U)96.9% (U)≥100%▲96.4%95.9% (U)96.9% (U)≥100%▲96.4%95.9% (U)96.9% (U)≥100%▲96.4%95.9% (U)96.9% (U)≥100%▲97.2%95.9% (U)96.9% (U)≥100%▲96.4%95.9% (U)2010%▲95%96.4%95.9% (U)2010%▲	Baseline 10 Previous result ¹¹ Actual to Date ¹² Target 16-17 Trend direction Time series 97.2% 95.6% (U) 96.6% (U) ≥100% ▲ 88.7% 88.4% (U) 89.6% (U) ≥100% ▲ 96.5% 96.5% (U) 97.4% (U) ≥100% ▲ 96.4% 95.9% (U) 96.9% (U) ≥100% ▲ 96.4% 95.9% (U) 2010% ▲ 8% 80% 8% 8% 8% 8% 80% 5% 5% 5% 2013/14 2014/15	se enrolment in the PHO - Target: % of the population enrolled in the PHO Baseline Previous result ¹¹ Actual to Date ¹² Target 16-17 Trend direction Time series 97.2% 95.6% (U) 96.6% (U) ≥100% ▲ Percentage of population enrolled with a Bay PHO 96.5% 96.5% (U) 97.4% (U) ≥100% ▲ 100% 96.4% 95.9% (U) 96.9% (U) ≥100% ▲ 96.4% 95.9% (U) 96.9% (U) ≥100% ▲ 96.4% 95.9% (U) 96.9% (U) ≥100% ▲ 96.5% 96.5% (U) 96.9% (U) ≥100% ▲ 96.4% 95.9% (U) 96.9% (U) ≥100% ▲ 975% 96.5% (U) 96.9% (U) ≥100% ▲ 975% 96.9% (U) ≥100% ▲ 90% 975% 975% 975% 975% 975% 975% 975% 975% 976 2013/14 2014/15 977 2013/14 2014/15	See enrolment in the PHO - Target: % of the population enrolled in the PHO Baseline Previous result ¹¹ Actual to Date ¹² Target 16-17 Trend direction Time series 97.2% 95.6% (U) 96.6% (U) ≥100% ▲ 88.7% 88.4% (U) 89.6% (U) ≥100% ▲ 96.5% 96.5% (U) 97.4% (U) ≥100% ▲ 96.4% 95.9% (U) 96.9% (U) ≥100% ▲ 96.4% 95.9% (U) 96.9% (U) ≥100% ▲ 96.5% 96.9% (U) ≥100% ▲ 96.4% 95.9% (U) 96.9% (U) ≥100% ▲ 96.4% 95.9% (U) 96.9% (U) ≥100% ▲ 96.5% 96.9% (U) ≥100% ▲ 100% 95% 95.9% (U) 96.9% (U) ≥100% ▲ 85% 60% 55% 60% 55% 65% 60% 2013/14 2014/15 20 97.4% (U) 2013/14 2013/14 2014/15 20	se enrolment in the PHO - Target: % of the population enrolled in the PHO Baseline Previous Actual to Date ¹² Target 16-17 Trend direction Percentage of population enrolled with a Health Have Bay PHO 97.2% 95.6% (U) 96.6% (U) ≥100% ▲ Percentage of population enrolled with a Health Have Bay PHO 96.5% 96.5% (U) 97.4% (U) ≥100% ▲ Percentage of population enrolled with a Health Have Bay PHO 96.4% 95.9% (U) 96.9% (U) ≥100% ▲ Percentage of population enrolled with a Health Have Bay PHO 96.4% 95.9% (U) 96.9% (U) ≥100% ▲ Percentage of population enrolled with a Health Have Bay PHO 96.4% 95.9% (U) 96.9% (U) ≥100% ▲ Percentage of population enrolled with a Health Have Bay PHO 90% 95.9% (U) 96.9% (U) ≥100% ▲ Percentage of population enrolled with a Health Have Bay PHO 90% 95.9% (U) 96.9% (U) ≥100% ▲ Percentage of population enrolled with a Health Have Bay PHO 90% 95.9% (U) 96.9% (U) ≥100% ▲ Percentage of population enrolled with a Health Have Bay PHO 90% 90%	Baseline 10 Previous result ¹¹ Actual to Date ¹² Target 16:17 Time series 97.2% 95.6% (U) 96.6% (U) ≥100% ▲ 97.2% 95.6% (U) 96.6% (U) ≥100% ▲ 96.5% 96.5% (U) 97.4% (U) ≥100% ▲ 96.4% 95.9% (U) 96.9% (U) ≥100% ▲ 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0% 0%

10 October 2015

11 April 2015

12 July 2016

Page 9 of 16

					Reducing	Rheumatic Fever									
Outcome: Red	utcome: Reduced incidence of first episode Rheumatic Fever														
Key Performance Measures	Baseline	Previous result ¹⁴	Actual to Date ¹⁵	Target 16-17	Trend direction										
Māori	2.48	7.99 (U)	4.82 (U)	≤1.5		Comments:									
Pacific	-	-	16.47 (U)	≤1.5	*	Work continues on refreshed rheumatic fever plan									
Total	0.6	1.87 (U)	1.86 (U)	≤1.5											

13 July 2014 – June 2015 14 July 2015 – June 2016 15 July 2016 – September 2016

Page 10 of 16

					Alcohol	and Other Drugs
Outcome: % of 0	-19 year old	s seen with	in 3 weeks	of referral		
Key Performance Measures	Baseline	Previous result ¹⁷	Actual to Date ¹⁸	Target 16-17	Trend direction	Time series
Mental Health Prov	ider Arm: See	n within 3 wee	eks Ages 0-1	9		Mental Health and Addiction Waiting Times: 0-19 years olds
Māori	63.2%	66.4% (U)	70.6% (U)	≥80%		(Less than 3 Weeks)
Pacific	75.0%	71.4% (U)	72.7% (U)	≥80%		90% 80% 70%
Other	56.9%	68% (U)	71.3% (U)	≥80%		60% 50% 40%
Total	60.1%	67.4% (U)	71.2% (U)	≥80%		30% 20%
Decreased wait tim although there has				ending positiv	vely,	10%
Provider Arm and N	IGO: Seen wit	hin 3 weeks /	Ages 0-19			12 months to:
Māori	90.5%	88% (F)	81.6% (F)	≥80%	•	🗕 🗕 Target 🛛 💶 Provider Arm Total 🚽 Provider & NGO: Alcohol & Dr
Pacific	-	-	-	≥80%	*	
Other	61.5%	80% (F)	80% (F)	≥80%	-	
Total	84.2%	84% (F)	81.2% (F)	≥80%	•	

16 January 2015 to December 2015

17 April 2015 to March 2016

18 July 2015 to June 2016

Page 11 of 16

				Ambula	tory Sensi	itive Hospitalization (ASH)
Outcome: Reduc	ction in Ar	nbulatory Se	ensitive Hospi	talisation (ASH) rate	s in 0-4 year olds.
Key Performance Measures	Baseline	Previous result ²⁰	Actual to Date ²¹	Target 16-17	Trend direction	Time series
Māori	82.1%	78.6% (F)	91.7% (U)	≤85.3%*	•	Ambulatory Sensitive Hospital Admissions 0-4 Years
Other	66.1%	55.5% (U)	63.8% (U)	-	•	120.0%
Total	73.0%	69.6% (U)	80.3% (U)	-	•	100.0%
* To focus on equit Planning is underw team as part of th support the Te reos reo in 2015, which	ay to emple skin prog	oy a Kaiawhina ramme, within es developed a	a, as part of the local Te Koha and rolled out int	e HBDHB Pu nga Reo. Th	blic Health is role will	80.0% 60.0% 40.0%
The Māori health Pi and advocacy role i may have barriers this role as they hav	nitiating ora to accessin	ll health appoir g services. W0	tments and atte	ndance by wl well placed	hānau who to perform	20.0%

The HBDHB Respiratory programme has been extended to cover children, work is being planned to up skill Primary care staff around child specific respiratory conditions and pathways. Other opportunities being scoped are; development of clinical pathways; flu injections for children with respiratory conditions; looking at support post discharge for children presenting to ED with respiratory conditions. Activities focus on improving management of respiratory conditions and follow up at primary care/community level to reduce the possibility of hospital admissions.

Mar.1 Sepi War seph Ser Mar Jun Ser Mar Ser 12 months to: - Target - Total - Maori - Other Source: Ministry of Health

1912 months to September 2015 2012 months to September 2015 2112 months to March2016

aligning with key oral health checks.

Page 12 of 16

					Breas	t Screei	nina									
Outcome: Achiev	e the Nation	al Breast Sc	reen Aotearc	oa (BSA) i				of 50-69 ye	ars							
Key Performance Measures	Baseline 22	Previous result ²³	Actual to Date ²⁴	Target 16-17	Trend direction	Time se	eries									
Māori	68.4%	67.9% (U)	67.1% (U)	≥70%	•		% of	f Women A	ged 50	-69 Re	ceivin	g Brea	ast Scr	eening	, in the	ــــــــــــــــــــــــــــــــــــــ
Pacific	66.5%	67.2% (U)	66.6% (U)	≥70%	•		,				2 Year	-		10	,	-
Other	76.0%	74.5% (F)	74.5% (F)	≥70%	_	90.0% 80.0%										
Total	74.7%	73.4% (F)	73.2% (F)	≥70%	•	70.0%					-					
						50.0% 40.0% 30.0% 20.0% 10.0%										
						0.0%	Ŷ	03 0 ^b	07	0 ² r	්	0 ¹ A	0.7	Ŷ	0 ³ 2	0 ₇ a
								2013/14			1 4/15 1 month:	s to:		20:	15/16	
								— — Ta	rget 🗕	- Tota	I <u> </u>	— Maori		Pacific		
						Source	Natio	nal Screenin	g Unit							

2224 months to December 2015

23 24 months to March 2016

24 24 months to June 2016

Page 13 of 16

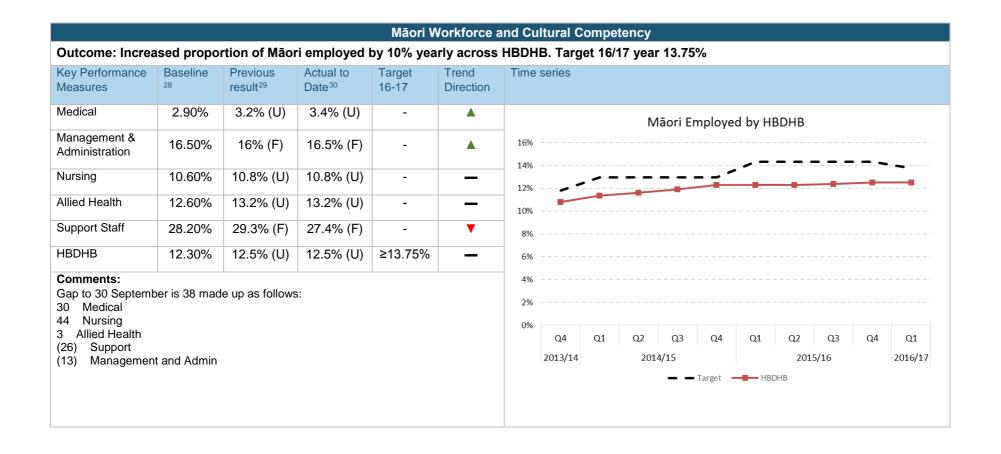
				Māori Wor	kforce and	Cultura	I Comp	etency						
Outcome: All staff	working in	the health	sector have	e complete	d an approv	ved cou	rse of	cultural	respons	iveness	training	J.		
Key Performance Measures	Baseline 25	Previous result ²⁶	Actual to Date ²⁷	Target 16-17	Trend direction					Time s	eries			
Medical	19.20%	39.6% (U)	39.9% (U)	-				Staff Wor	-				-	
Management & Administration	79.10%	85.6% (U)	87% (U)	-		100% 90%								
Nursing	70.00%	81.4% (U)	82.9% (U)	-		80% 70% 60%								
Allied Health	77.30%	85.2% (U)	86.2% (U)	-		50% 40%								
Support Staff	35.60%	60.1% (U)	63.3% (U)	-		30% 20% 10%								
HBDHB	65.60%	77.5% (U)	78.8% (U)	≥100%		0%	<i>S</i> r	0 ²	0 ^k	0.7	Ŷ	Ŷ	0 th	¢>
Comments:								2014/15			20	15/16		2016/17
Current report shows training.	DHB staff wh	o have comp	bleted EEWM	training or c	ther cultural				-	- Target	HBDF	ΙB		
Managers now have a EEWM and Treaty of	•	orts within PA	L\$ to monitor	staff comple	ation rates of									

25 December 2014

26March 2016

27June 2016

Page 14 of 16



28 December 2014

29March2016

30June2016

Page 15 of 16

				Obesity		
Outcome: Reduce the inc School Check (B4SC) pro						/I ≥98th percentile identified in the Before s.
Key Performance Measures	Baseline 31	Previous result ³²	Actual to Date ³³	Target 15-16	Trend direction	Comments
Māori	30.0%	20% (U)	18% (U)	≥95%	•	We currently do not have this data as this is a new target and the first quarter are only just completed –
Other	23.0%	21% (U)	22% (U)	≥95%		data checking is underway.
Total	27.0%	21% (U)	21% (U)	≥95%	-	It will come from the B4 School Check programme

31 6 months to September 2015

32 6 months to March 2016

33 6 months to June 2016

Page 16 of 16



Today's presenters

Dr Robin Whyman

- Clinical Director of Oral Health Services

Dr Bethany Jones

- Consultant Neurologist, special interest in cognitive neurology
- PhD in neuroscience
- Experience in neurology guideline development national level

Dr Kate Robertshaw

- Neurodevelopmental paediatrician

Maori Relationship Board papers for review December 2016 - Community Water Fluoridation (copy of presentation provided 9 November 2016)

8/12/2016

This presentation

- · Background information
- Is water fluoridation still effective? .
- · What is the effect on Hawke's Bay oral health inequalities?
- · Is it safe the health effects issues
- Affordable
- · Population health and decision making

Some terminology

- Water fluoridation
 - Adding fluoride to drinking water
 - Adjust it from
 - NZ Recommended Level
 - NZ Maximum Acceptable Value

ppm or mg/L

- Parts per million also sometimes mg/L
 1ppm = 1mg/L
- · DMFT/dmft or DMFS/dmfs
 - Decayed, missing and filled teeth or surfaces
- · Percent caries free
 - The proportion of people without dental decay
 - Inverse of a prevalence

0.1 – 0.3ppm to 0.7 – 1ppm 0.7 – 1.0ppm 1.5ppm

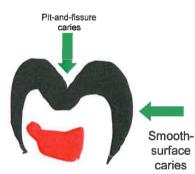
What is Fluoride?

- a naturally occurring chemical element
- the 13th most common element on earth
- Present in

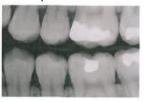
- unfertilised soils	300+ ppm
– sea water	0.8 to 1.4 ppm
 most NZ fresh water 	0.1 to 0.3 ppm

 ${f F}$ luoride, the ionic form, is natural, is tasteless, is everywhere, and is unavoidable.

Dental decay

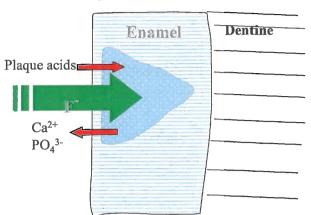


Fluoride works best against early carious lesions of the smooth surfaces Interproximal surfaces



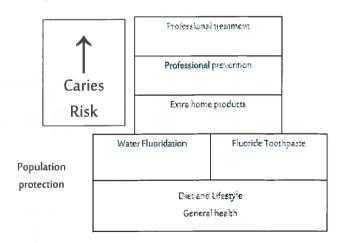
Facial surfaces





Tooth decay and the role of fluoride

The dental caries prevention strategy



Works mainly at the tooth surface, which becomes less soluble if fluoride is present in the oral fluids.

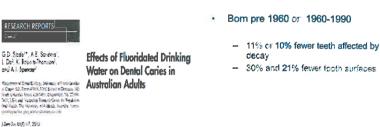
Child oral health

 40% reduction in the severity of dental decay for children

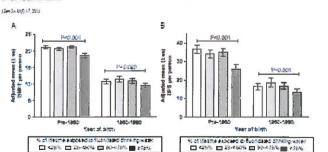
• 15% reduction in the proportion of children with dental decay

Stolly (print of proble entropy)	Pepaletics	Seedy Appe	Reduction in denial dense
389 Nev Zesbad Gai Hentis Server 2010ji	1431 NZ châten sarreyed at N60; 981 desnaby ethoniord	Calein-section	43°12
Saak septim Child p ³	28 readies three constrain second the world probables between 1951 and 1999	Mera Auchte oc beller auf altre shekes Prospertrik meder	2816
Ringg-Gracewood Do (NdQre	Wetchings of paragraphics of published after 1990	Meta-analysis Most Projections included these litised on communications	90-4/9%)-
	53 evaluations of generation teetin generation defines 2000	studien, some hefter mel uter studien mer aschilled	50-50°×
Chathanan 2009)r	9 stadies tais 44.265 participants	Mens-analysis of heaton-anti-sideg shulles	35114
	1	Prospective studies	

Sapere

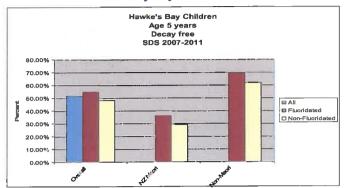


The 2013 research from Australia on adults



Maori Relationship Board papers for review December 2016 - Community Water Fluoridation (copy of presentation provided 9 November 2016)

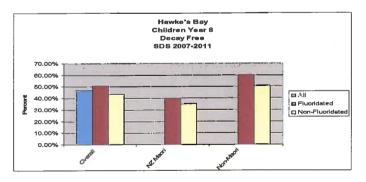
8/12/2016



Hawke's Bay 5-year-old children

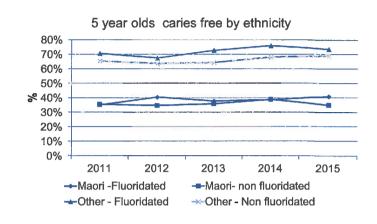
7% more 5-year-old children decay free in fluoridated Hawke's Bay
 – consistent across ethnicities

Hawke's Bay Year 8 children



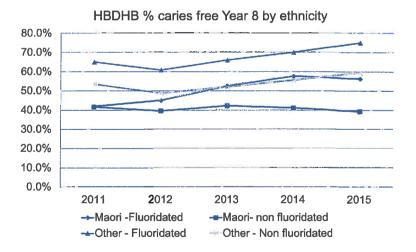
7% more Year 8 children decay free in fluoridated Hawke's Bay - 5% NZ Maori

^{- 9%} Non-Maori



Hawke's Bay 5-year-old children decay free by ethnicity

Hawke's Bay Maori and Non-Maori Year 8 children



Impact on inequality

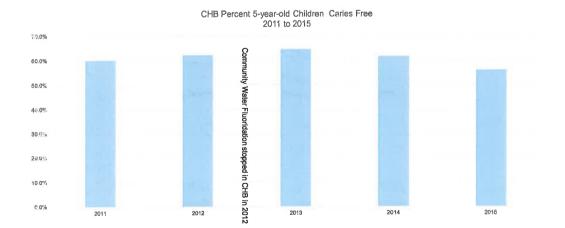
- In Hawke's Bay
 - Maori 5-year-old children show about 5-7% difference in decay by water fluoridation

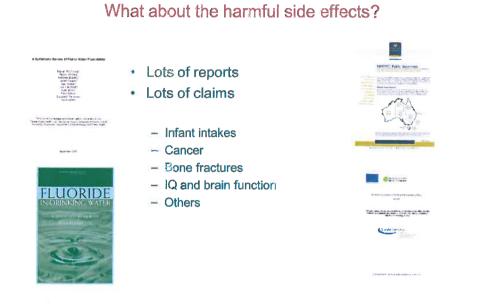
BUT

 By Year 8 Maori Fluoridated children have the same rate decay free (approximately 60%) as non-Maori non-fluoridated

> OUR RESULT IS A REAL REDUCTION IN INEQUALITY AND THE BENEFIT IS FOR PERMANENT TEETH

And what if we stopped?



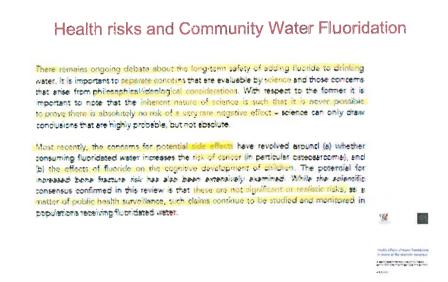


Latest NZ and Australian Reports



Health effects of water fluoridation: A review of the scientific evidence Ansatz in band of the top through of the Zerind and the Offae of the firms similarity of the Zerind August 2014





IQ and Brain Function

- Reports from China (mainly)
- Suggest high fluoride levels in groundwater associated with minimally reduced intelligence (IQ)
- BUT
- Fluoride levels compared mostly much higher than community water fluoridation
- Failed to control other factors (arsenic, iodine, nutritional status, socio economics)

Evidence regarding neurotoxicity of fluoride



- Critical appraisal to see if there is any scientific evidence we should include in our recommendations about fluoridisation of drinking water.
- For this paper to be of use to us:
 - The meta analysis must have been performed properly
 - The groups (in the paper vs Hawke's Bay population) must be comparable and exposed to the same levels of fluoride in drinking water.

Critical Appraisal of the paper

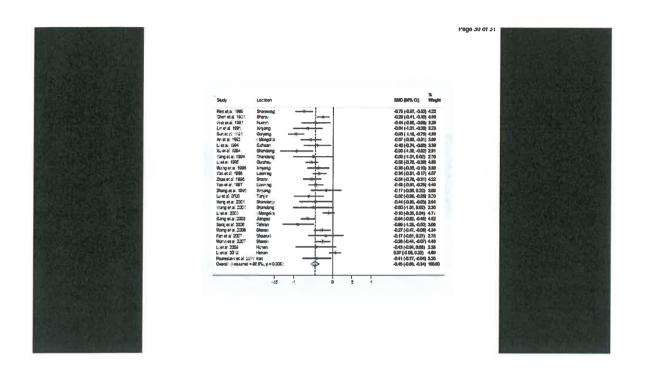
- Good
 - Clearly defined research Question
 - Comprehensive literature research
 - Included and excluded studies are listed
 - Characteristics of included studies documented (see table)
 - Scientific quality of the included studies was assessed appropriately (they themselves state that the studies were generally of insufficient quality)
 - Appropriate methods used to combine the individual study findings
 - Likelihood of publication bias is assessed

Critical Appraisal of the paper

Poor

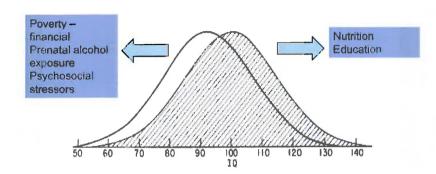
- >1 person selected papers and extracted data? No consensus procedure to resolve differences.
- Scientific quality of the included studies was not assessed appropriately (did not provide any detail about the individual studies for their quality to be assessed)
- Conflicts of interest not declared (i.e. in the studies included in the meta-analysis).
- The results of this study are not directly applicable to our subject group

Caselle-	Page 25 of 31									
	Linna	Simily Location	Vo bi high expr ture billet	Ste in relationste group	Age Allige (vm22)	Finnende : Jacon sonant	Range	Cat: same Met-same	Repts	
The New York	管体的副 24	Chine A	100	92+	744	Duality to a	ng Longoon, 94 p. f. jufenness	CITES.	Proven a cf ch "rab in the bigh strength tent way being this theory of chief ways in the strength more and	
- Carde - C	Zhong stak. Lavis		10	1	4-15	Disakting vector	25. gender	Super RC Terr	Arrange 20 inweated classes profiles in high for-otherand annual spea- ment house then these the peaked as placewire sace 5.5%	in the second
	teerst 360	Tanjas, Chan	41	58		Drailing sime	1 in any Longits Transpirations Tran	C2325	Children de Ca Ingle Charciele nom Conroll nige: Societo inversitio societo them denive in Gau indusante Chin.	
- Carlo Maria	Mong et al. 29 mil	Sundang Char	85	22	\$14	Daning wire	1 stragL(digit) 6 TragL(admans)	032.00	A reason to be a local	Un the Made and
	Shar col 2011	Canadrage		10 C	8-12	Diality went	2.97 mg 3. Okjac 3.5 mg 3. (minimum)	CET-SC.	data the unit over group No eigenvicture dellamate an Commune of Addison of the Maximum of Addison of the Maximum of Addison of the addison of the Addison and Addison of the Addison and Addison of the Addison	
	124 2 2001	Seer Magaint	120	219	245	Source	Referrir 1918 count reprint define by the Calatia Definition DE210	CRUIC	Ar enge 10 of GAN in m light famous a man been the fact in the reference one Man 20 mars was	
	30mg-ein) 2003	Jangru Chill	Ħ	214	8-13	Dunkag valut	0 kliv(, Sung L, (kaph) 9 kliv(), 79 ang L (triforme it	CET in.	the state of the second	
	Same read Still	é Talana Bros	40	12	See. specified	Danking wave	2 mg 2, jinglis 2 4 mg 2, jinglis 2 4 mg 2, jinglisma (j	Room.	Contract of the second of the second of the second SQ of the Contract of the second of	
	Wang and 2014	Spinit Class	294	-	110	Double); wave	4 SALP BE a y L Augus A Tial 26 mg/L Guarman	CP244*	The (Q exvise of the land in the high Accessing party wave sugnificantly lower data the to the school of the	
	Par sishing	Char	46		514	Daingwor	1144 00 mp.L (htp?) 175-0 09 mp.L (reference)	CRT-C.	primp This processo Taj policies et children, escaling in the sigh T areat sugn (grown Base there of choldres refering to the reflacence and	
	ting mat says	Shinst, Clime	210	114	\$42	Deploy war milwar	3.5-11.7 mg/L restor hads 1.6-12 mg/L restor hads U.S. 12 mg/L restor pairces of U.S. 19 mg/L	CEP-PC'	Vant. Ry series were ingenfit, all lever in the laght Caroline proop that, then, the reflectate group in the flavorie present areas	
and the second	Lincal 2019	Zhana. Class.	ac I	z	M3	Cvel/Januag	(rema, indicar 3 342.34 mg T. (hadi) 6 PIC aug T. confirme ()	CITC.	Mara, RD was lower in cluster, in co-d-branes, news compared in does in the relation prop	
									25	



This paper cannot be included in our advice because:

- See above: poor points in the conduction of the systematic review
- No information about confounders in the studies (diet, lead exposure, parent's schooling, drinking water from elsewhere)
- The reported effect (IQ<max one point) falls within the statistical error of the IQ test (which is three points)
- The results cannot be extrapolated to our population as they will not be exposed to the high levels of fluoride used in the studies in this meta analysis



What influences cognitive development the most?

Is it cost effective?

Esper present for its Matter: of Halith	
Review of the bendfits and costs of water fluoridation in New Zealand	The beachts and casts of water fluoridation - a summary for DHBs
Louistan & Son Jeans	Zeril More and Met Peters
Senate-21	See Alla

sapere

Is it cost effective?

- For New Zealand
- Over 20 year period
 - Costs \$42 per person
 - Saves \$376 in reduced dental costs
 - 9x payoff

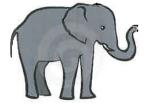
Greater benefit expected for those with higher levels of decay

The device of the second secon

Description and the state	Competition (pre-	Labored . Records from	Since Street	Notesting:	
Greener Andelsen	194-122	11 - 12"	1282-1848	1254-54/4	1871 - T-30
In of Party	1.4-142	\$4-512	114-110	122-1105	200 - 945
LINE	517-123	\$12-546	5129 - 2318	962-5283	143 - 2.754
Granan Talay as "	904 i S2 P	54-512	510-5240	\$67-522°	4-0-500
Hrite, L.*	124-177	68 - 527	12-374	12-1-2	142- 174
Liter	120-583	\$4.511	321-162	\$10-520	129-3-6
Lid Central	31.8-50.2	54-112	128 - 18+	\$16-550	187 - 720
Nellan Maharings	121-18-	98 - 50×	32 2-562	54 - 357	224-322
Normanad	102-501	Se- 121	102-500	59+516	167-505
lant Carnelian	10.2 - 17.4	\$2-84	\$13-921	12-0	5-28
Inities	125-174	\$12.056	10118	522-5164	325 - 1 430
Thereas	52 - 597	21-12	51-500	62-510	35-155
Teres	28.4 - 54 -	\$5-55	519-256	512 - 524	284-45
ಗಲ್ಲ	12-120	525-228	517 - 5168	\$27 - 1251	213-2,470
Transpi	\$2.5-390	N2+55	17-10	\$1.4529	34.537
Well Court	129-185	12-89	34-525	61-522	29. 150
Tray an	121-171	31-29	\$12 - \$34	14-141	59.022
ALL NZ	101-141	1541-1212	#1244. #1845	11412-12754	A

The Elephant in the Room

- It works
- The health benefits outweigh proposed health risks
- BUT



 My choice versus benefiting the community

Examples of public health measures

- · Bicycle helmets and compulsory seat belts
- · Limits on tobacco advertising and use
- Limits on alcohol and driving
- Removing sugary drinks from the DHB
- · Curfews and alcohol free areas
- Fluoride in toothpaste
- lodine in salt
- · Chlorination of water
- Fluoridation of water
- Vaccination of children and adolescents

Who makes the decisions?

- Currently Local Councils
- Recently won multiple court proceedings confirming they have the lawful right to fluoridate
- Soon district health boards after an announcement by Cabinet in early 2016
- · Awaiting legislation to see what will be involved



Maori Relationship Board papers for review December 2016 - Community Water Fluoridation (copy of presentation provided 9 November 2016)