



**Home to
the world's
healthiest
software!**

About the Cluster

The New Zealand Health IT Cluster is a vibrant alliance of organisations interested in health IT, comprising software and solution developers, consultants, health policy makers, health funders, infrastructure companies, healthcare providers, and academic institutions - who have agreed to work collaboratively.

Our Vision

Our Vision is NZ is a Centre of Excellence for Health Technology

The Cluster's Mission

Collaborate to position New Zealand as a world leader in the supply and use of innovative health technology

The Cluster's Goals

Key goals of the Cluster include:

- To help members grow their business capability
- To foster collaboration
- To catalyse innovation and investment in health technology

CONSUMER HEALTH PORTAL PROOF OF CONCEPT

AUGUST 2008

Overview

The need to empower healthcare consumers to self manage their health conditions has been recognised across the developed world and is assuming increasing urgency as health costs spiral. Indeed the New Zealand Health Information Strategy (HIS-NZ) emphasises patient self empowerment and self management of conditions in its primary care Key Directions Strategy.

The Consumer Health Portal (CHP) is the first Proof of Concept personal electronic health record developed for New Zealand healthcare consumers. The CHP creates an electronic health record that the patient can own and control. The patient will have their health summary in a secure electronic health portal to assist them to achieve their health goals, supported and guided by their doctor.

Approach

The Consumer Health Portal (CHP) project is a NZ Health IT Cluster led collaborative project. The project team is comprised of organisations with a commitment to delivering innovative healthcare solutions.

It is proposed that the CHP be further developed. The Proof of Concept (PoC) focuses on the demonstration of technical capability. Phase Two, is intended to deliver a clinical reference implementation to produce a controlled study on benefits

The CHP has been developed to facilitate the inclusion of new functionality to support the requirements for tailored care for different conditions and different regions.

Project Participants

Microsoft	ProCare Health	Enigma
Ministry of Health	Medtech	Healthpoint
FRST	Simpl	Telemessenger

Scope

The Proof of Concept focussed on the CVD patient cohort. The scope was distilled to include:

- Enrolment of the user into the Portal in conjunction with their GP
- Uploading a personal health record from the GP's PMS system into the Portal
- A patient journal
- A user group forum and discussion area
- Access to validated health news
- Integration with health tools to demonstrate
 - Integration using the Health Connection Engine
 - Search for health service provider information
 - Use of decision support and goal setting. (CVD risk assessment and Food Habits questionnaire)
 - Use of voice calls to compliment internet based services.



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Our Role

We work directly with key Government agencies such as the Ministry of Health, NZ Trade & Enterprise, and the Foundation for Research, Science and Technology to help Cluster members to grow their business in their chosen markets.

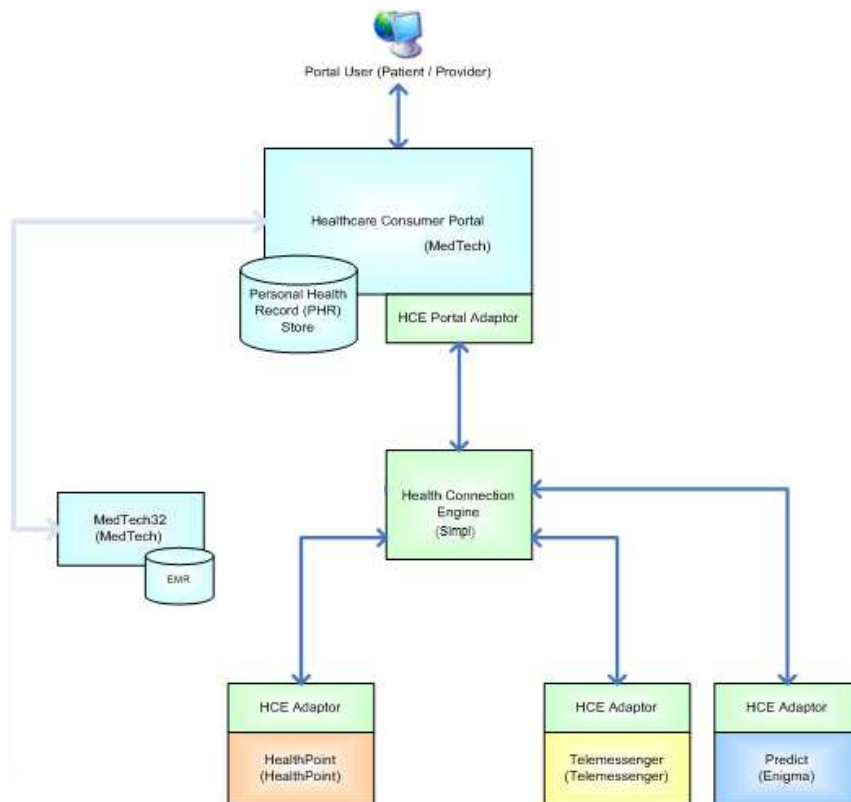
Membership Categories

- Health IT Companies
- Supporting Members
- Healthcare Provider Members
- Academic Members
- Individual Members

Join now

If your organisation has an interest in health IT, a significant presence in New Zealand, and wants to collaborate with other sector participants.

Solution architecture



The diagram above represents the interaction model for the POC. There are basically three types of interactions that can happen:

1. Interactions between the user and the Portal – this interaction will happen over a web browser, and will allow the user to access any other system participating in the POC through functionality existing in the Portal.
2. Interactions between the Portal and MedTech32 – since there is already an integration layer between MedTech32 and the Portal, this integration layer will be leveraged for interactions between those two systems.
3. Inter-system interactions – The interaction between any two systems or between the systems and the Portal will happen through the Health Connection Engine (HCE), leveraging from the Security and Scalability features present on HCE.

The Proof of Concept architecture features an integration engine allowing the solution components to communicate via standard message schemas. The use of a standard interface message bus will facilitate integration with other healthcare provider systems and a wide range of health tools software and medical devices.

More information

You can find more details about the proposal document or the logical architecture in the e-projects section of the Cluster website www.healthit.org.nz. The Microsoft case study video can be found on

<http://www.microsoft.com/casestudies/casestudy.aspx?casestudyid=4000002720>