



Presentation August 10th 2006

Key Objective:

**Incremental Expansion of
the New Zealand e-Health
Environment**

The Needs?

- Improved day to day communication amongst care providers
- Better automation of information collected for population health management

Today's Problems

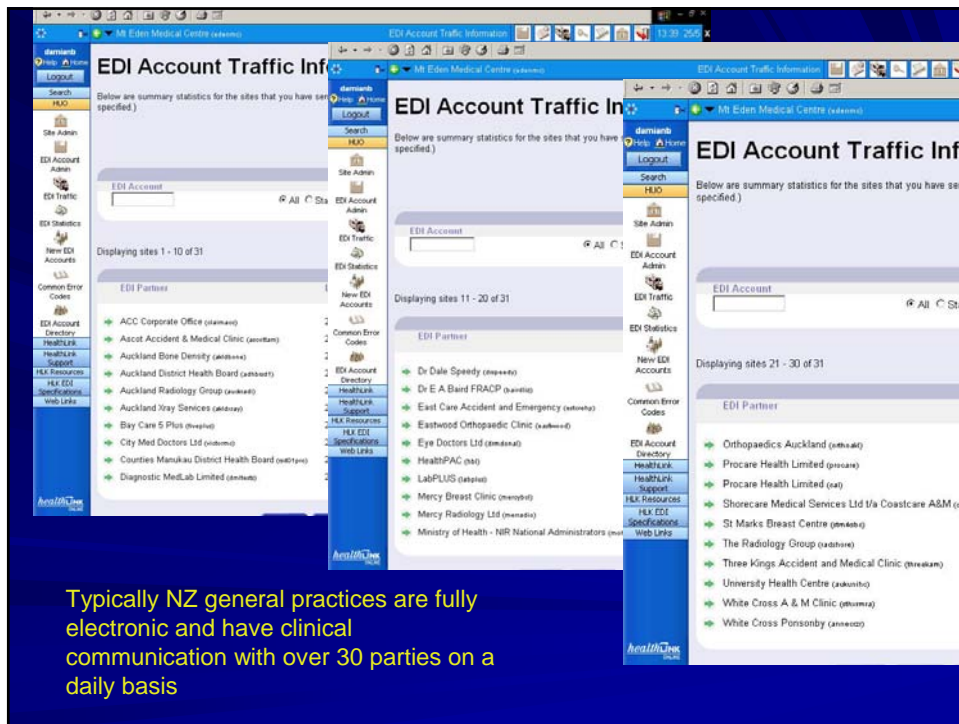
- No Data consistency between applications.
- Duplicated effort in all directions.
- Slow and expensive to develop new sector wide solutions.
- Almost impossible to have a longitudinal view of a patient.

An Answer?

- Carefully defining/standardising all data exchanged between Practice and PHO
- Implementing all existing/planned messaging, web services and security functionality
- Revisiting the PHO system to support population health management

Our starting point

- New Zealand is a world leader in primary care IT.
- Universal use of EMRs
- Extensive messaging



Typically NZ general practices are fully electronic and have clinical communication with over 30 parties on a daily basis

Achievements

- National diabetes monitoring and review (fully electronic)
- National child immunisation register used by 100% of practices
- Regional infectious disease management programmes
- 100% electronic claiming
- Two million electronic referrals and discharge summaries annually

BUT IT'S TIME TO MOVE AHEAD

Key Factors we have considered

- Current State of information flows
- Government Policy
- International trends
- Rise of Patient Privacy
- Clinician Accountability

New Zealand Primary Care Policy

- Implementation of PHOs (Primary Healthcare Organisations)
 - community based organisations set up and funded to deliver primary care and coordinate activity among multi-disciplinary teams of care-givers.
- Patient enrolment
 - Patient enrolment is an initiative designed by government to encourage patients to form key relationships with PHOs.

Which means....

- Government has extremely clear policies and plans for primary care development.
- Any technology strategy developed with Government primary care policy and strategy

Down to business...

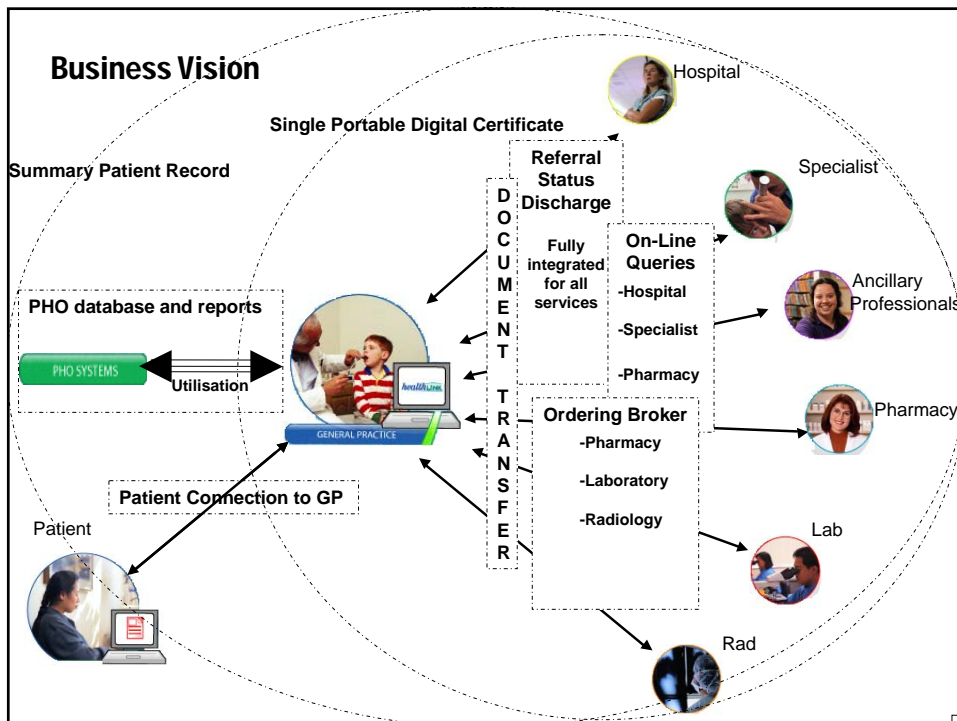
- Carefully defining/standardising all data exchanged between Practice and PHO
- Implementing all existing/planned messaging, web services and security functionality
- Specifying a system by which PHOs can communicate better with practices

Key Principles of T.H.E. Project

- A completely open coalition of interested parties
- No interested party is excluded
- All development standards based
- Led by a small number of inaugural sponsors and expanded to include many other participants
- No IP ownership will be created excepting that built into participants' own systems
- Joint aim is to build standards based technology that can be reused around the world

KEY TASKS

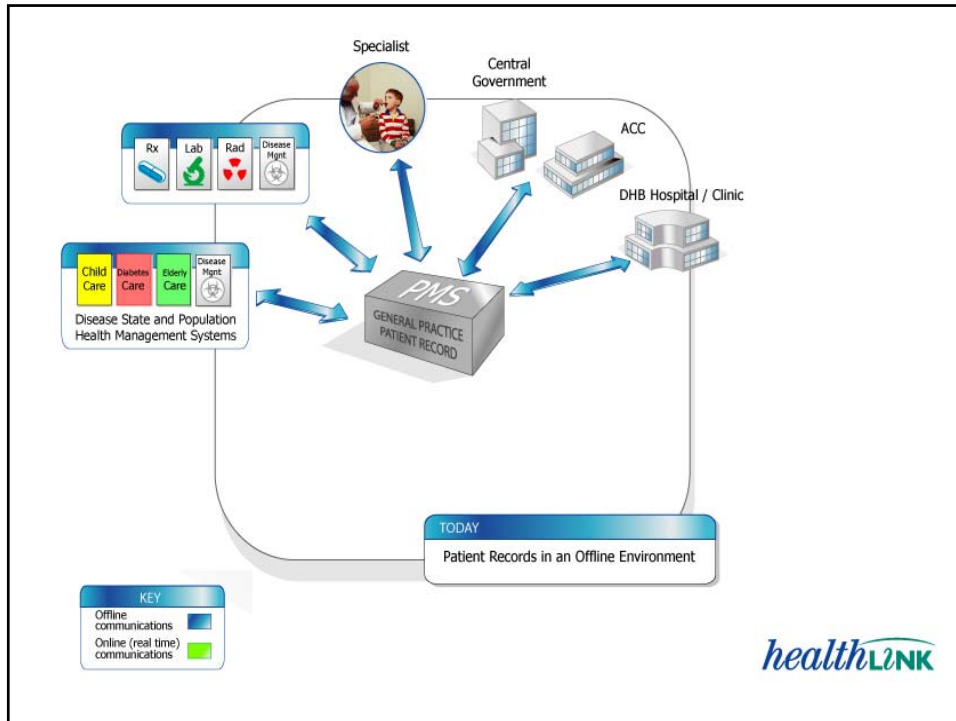
1. Improve coordination of patient care by enabling providers to share relevant clinical information during an episode of care.
2. Improve the quality of information gathered by the PHO to enable better population health management and contracting with funders and other parties.



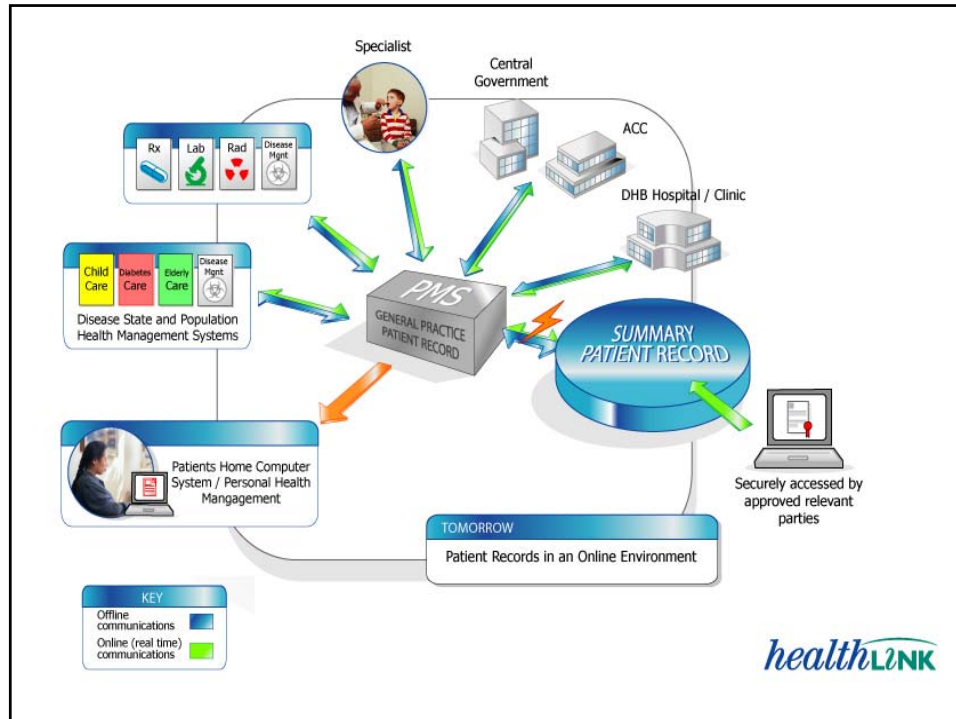
Key Deliverables

- Improvements to electronic referrals and discharge summaries
- Expansion of electronic referrals and discharge summaries to a wide range of provider organisations
- Exchange of generic documents
- Electronic pathology, radiology and prescribing ordering
- Online enquiries to remote databases
- Individual digital certificates
- Links between GPs and their patients
- Development of a GP held shared electronic record

BEFORE



AFTER



Scorecard?

- PHO systems analysis near completion
- Document transfer being launched
- Stage 1 e-prescribing communications now ready
- Online enquiries now available
- Electronic forms now in pilot
- E-referrals project now in test
- Incremental progress on all fronts

