



Enabling Integrated Healthcare

General Practice NZ

Patients First

30 August 2011

fiona.thomson@gpnz.org.nz

andre.bredenkamp@patientsfirst.org.nz

General Practice NZ

- General practice as heart of health care networks
- Clinically-led network membership (IPAs, MSOs, PHOs)
- Strategic leadership, advocacy, support
- Network supported integrated, multi-disciplinary care
- Partner within the General Practice Leaders Forum (GPLF)
- Partner within the Patients First programme

Patients First Programme

Quality powered by information

- Originally qi4gp – now primary care focussed
- Partnership with the RNZCGP and the NHITB
- Broader governance including HQSC, MoH BSMC Team and Pharmaceutical Society
- eContinuum of Care projects (GP2GP, eDS, NZePS)
- Leadership, HQMNZ, PMS Requirements
- Synergy with eMedicines Programme and PPP

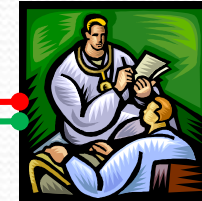
GP2GP - What is it?

- Electronic transfer of a patient's full medical record (in structured format) from GP to another GP using any PMS
- The “techie” bit
 - PMS converts patient information into CDA format within an HL7 compliant message
 - transmitted via a secure, encrypted link to the new GP
 - receiving GP sees file in “inbox” and imports
 - PMS translates CDA message and populates relevant fields in patient record of PMS

GP2GP Workflow

Step One:

Mr Burnett, patient, enrolls at new practice and gives authority to Request the file from Old Practice



Dr Evans @ New Practice

Step 8:

Final Acknowledgement

Dr Anderton @ Old Practice



Step Two:

Extracts Patient File data from system in preparation for CDA Construct

Step Three:

CDA build, HL7 wrapper, Visual check, Places in Out Box

HL7/CDA Construct

Step Four:

Out Box Validates document, Encrypts & Certificates Transmits to Msg Service

Out Box

In Box

Step Six:

Strip HL7 Visual check Deconstruct CDA, Provide data to PMS for action

HL7/CDA De-Construct

Step Seven:

Populate PMS with structured data, Acknowledge transfer.

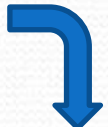
Step Five:

File arrives in In Box Certificate checked File decrypted and validated, ready for import

Messaging Service Store and forward, Validates address Routes message



Messaging Service



GP2GP – What it isn't?

- A partial export of a patients file for whatever reason
- A bulk export or migration of patients files
- A data repository for statistical or other analysis and reporting
- A mechanism to share patients records with other “interested” parties.
- An HPI or NHI lookup
- Export to paper or other medium to hand to a patient
- Complicated
- Perfect...

GP2GP Benefits

For Patients

- Timeliness and completeness of health information
- Improved experience of care

For General Practice

- Safe, timely information available for treatment decisions
- Reduced administration time

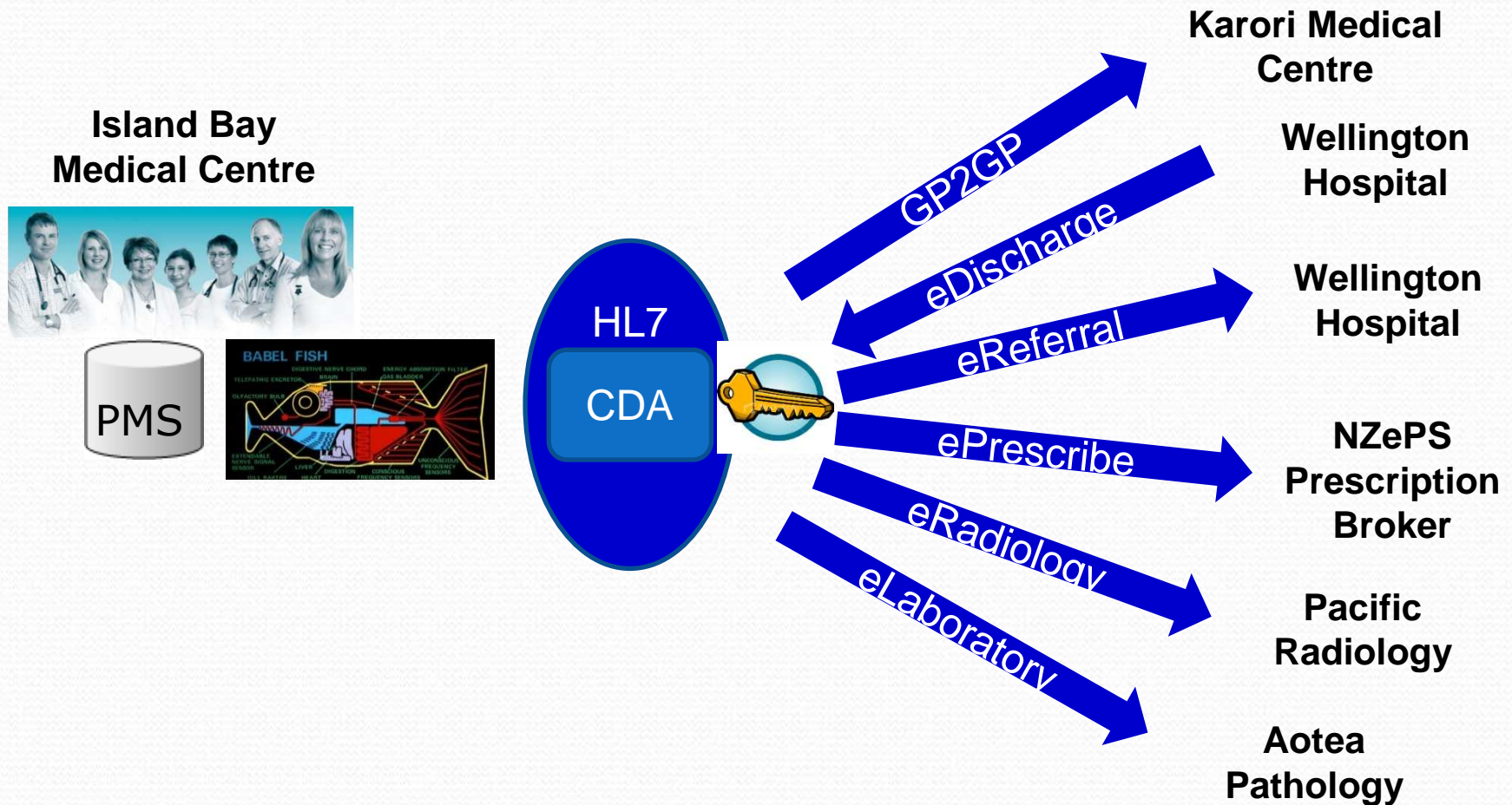
For Health System

- Foundation of primary care dataset
- Foundation toolset

Health System Benefits

- Initial inter-operability dataset for development into a standard
- Common GP2GP CDA Document for inclusion in the central library of sector CDA documents
- Universal translator (Babel Fish) between systems
- GP2GP Standard, foundation for other e-Initiatives eDS, NZePS
- Obligation between health system vendors to inter-operate
- Hosted test environment with current versions of participating PMS software for self accreditation
- Non-GP2GP functions eg. export to PDF or memory stick, unencrypted, at patient request.

How would it look?



Without diminishing the value of any of the wider team involved in the project, there was a core team that were predominantly responsible for the key decisions and direction throughout the project.

Andrew Brockman, Project manager, Chief architect, Master of South African change management

- Peter Sergent, Medtech Architect, HL7 Guru, CDA, Standards and Pinot Protocol
- David Hay, Datamodel and Toolkit Architect, CDA & CCD(oops) Guru and HL7 Standards
- Ashwin Patel, My Practice, Standards, Clinical, “What’s the right thing”
- Edwin Ng, Healthlink, Standards compliance and messaging architect
- Peter Jordon, Toolkit developer and always happy to venture an opinion
- Tiffany Lang, Houston, Project Manager, always a cheerful word to be had
- Thusantha de Silva, My Practice, a very patient and logical developer
- James Penfold, Intrahealth, a constant voice of reason

Show and Tell

- Houston, Medtech and My Practice