



Encrypted HL7 discharge summaries

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Overview of process

- Barwon Health utilises clinical information system CORDis
 - ◆ Filemaker Pro Database
 - ◆ Dynamic Solutions
- GP community requested emailed discharge summaries
- R/V of currently available enterprise encrypting emailing systems

Overview of process

- Equery was chosen
 - ◆ Uses secure FTP like file transfer
 - ◆ No email address needed
 - ◆ Ver 2 80 bit keys
 - ◆ Ver 3 PKI fully implemented
 - ◆ Handles
 - ★ encryption
 - ★ message storage
 - ★ message sending
- HL7 chosen as wrapper

Overview of process

- Set up mail boxes for 5 GP practices & 2 specialist practices
- GP – HL7 and encryption
- Specialist – encryption only
- Pilot phase 12 weeks
 - ◆ Fax back sheet
 - ◆ High level of satisfaction
- To be extended to further 35 practices

Overview of process

- Emails sent – 544
- Failures
 - ◆ 5 with CORDis
 - ◆ 6 with unrecognisable addresses
- Little maintenance
- Easy practice setup
- Costs
 - ◆ \$5000 programmers
 - ◆ \$3600 Equery server software

Overview of process

- Rapid deployment
 - ◆ Jul 2002 – Feb 2003
- Future enhancements
 - ◆ OP letters
 - ◆ Operation notes
 - ◆ Radiology RIS Feb 2004
 - ◆ Convert to Equery 3/PKI
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How it works

- HMO completes discharge summary in CORDis
- Transmits summary
- GP practice staff check for mail on Barwon Health mail server
- GPs check for new investigation results in MD2