



eMedicines Data for Patient Care

CDHB

Matt Doogue, Mary Young, Chris Warren, Robyn Cumings & John Wilkinson

matt.doogue@cdhb.health.nz

HRT 1610 Medication Improvement Group

16 -17th of June

Melbourne



Key Problem

- CDHB is implementing electronic prescribing and administration (ePA)
- The ePA system has limited reporting functions
- The ePA data are of high clinical value
- CDHB has a single repository for clinical data, a data warehouse

Our problem is making medicines data available and useful to inform clinical and governance decisions to improve patient care

Aim of this innovation

Aim: To develop clinical data extracts for business intelligence from electronic prescribing and administration software

Improvements we sought:

- Valid medicines data at the level of individual dose administration linked with other clinical data in the CDHB data warehouse
- Data accessible for analysis by clinical informatics group
 - Decision Support and Clinical Pharmacology / MUR
- Monitoring of ePA roll out
- Valid data informing clinical care and governance decisions

Baseline Data

- Senior management sponsorship
- A clinical champion
- Established a multidisciplinary team to extract clinically meaningful data
- Integrate ePA data with other clinical data in a data warehouse

- We started with
 - Strong medicines governance
 - Strong informatics team – Decision Support
 - Committed senior leadership

Outcomes so far

- Established clear data requirements
- Established a team of an IT developer and a clinical pharmacist to develop the data extraction
- Resourcing with strong executive support

- Data extraction scripts and documentation almost complete

- A pathway to integration with other clinical data
- A vision of a multi-disciplinary Clinical Informatics team
- A pathway to sharing the development across NZ

Lessons Learnt

- Executive sponsorship
and a clinical champion
- A multidisciplinary team working together
-previously working apart was ineffective
- A clear clinical need
- A pathway utilising existing skills and resources

