Innovations in Technology
Rural Health Gore Hospital
Welcome From New Zealand's
CAPITAL OF...
COUNTRY MUSIC
Gore

N.Z. GOLD GUITAR AWARDS
Gore Hospital Opened in 1999

• 16 medical and rehabilitation beds
• A whanau room for palliative care
• A birthing unit with 4 post natal care beds
• A two bed 24/7 A & E Department with a short stay high dependency bed
• Several out-patient clinic rooms for visiting specialists
• A District Nursing unit with other Allied Health Services
• Radiology, ultrasound and laboratory services
• Also on site - regular visits from the Mobile Surgical Bus
Mole Mapping

• As part of the developing business a Mole Mapping Service was developed and now is very well utilised with clinics being held throughout Southland and some of the Otago region
The Purpose of the Rural Health Development

• A community resource for education, training and accommodation
• Provides a creative space that supports innovation
• Improves health outcomes through research and development
• Creates a platform to support local and national rural health development
The Mission

• To lead innovation in rural health across New Zealand
• A test bed of ideas and new health initiatives
• To create a cohesive voice for rural health
Changes in Funding

- Challenges of:
  - Providing rural health services
  - Recruitment and retention of staff
  - Supporting a widespread population
  - Minimal support from specialists
Innovations in Technology

- Development and design of an eframework strategy to meet these challenges:
  - Company technology input
  - Health TRx’s in District Nursing Services
  - Patient-based scheduling
  - Tracking mobility system
  - Hand-held and minimal paper-based files
The Health Bots

Robots in Partnership with Auckland University
Working in the General Practice
Provide:

• Improved health outcomes in long term chronic patients
• Cost saving
• Staff time saving – frees up staff for other services
• Recordings – patients can do their own:
  • Blood pressure
  • Heart rates
  • $O_2$ saturations
• The transfer of these recordings to the Dr file
A patient in the G.P. having her blood pressure recorded.
Robots in the home...

• Take recordings – transfer to clinicians
• Monitoring for a fall – will send out a txt message indicating a problem
• Have voice recognition and talk back to patients
• Are mobile
• Play music
• Remind them to take medications
A robot in a client’s home
An interactive robot for reminding medication to older people

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THE UNIVERSITY OF AUCKLAND
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HealthBots
Technology assisting healthcare