HISTORY OF i3

Dec 2012

Board approves implementation of a clinical leadership programme designed by **Richard Bohmer** with **Dale Bramley, Robyn Whittaker + Penny Andrew**

Mar 2013

Board approval to establish **Centre for Health IT + Creative Design** with a mandate to try new things, in collaboration with CIO, **Stuart Bloomfield**

Aug 2013

Enhanced Care Management + Clinical Leadership programme with **Richard Bohmer** starts – Cohort 1

Jun 2014

Centre for Health IT + Creative Design establishes 'living innovation laboratory' with two pilot sites, ward 10 + Special Care Baby Unit

Innovation relationships established with Orion Health + Auckland UniServices' National Institute for Health Innovation (NIHI)

Jul 2014

US site visits by **Robyn Whittaker**, and **Dale Bramley** to Beth Israel Deaconess Medical Centre (BDIM) + Intermountain Healthcare

Clinical Leadership programme Cohort 2 starts

Aug 2014

Launch of Innovation Library led by **Dr Kim Fong,** primary researcher

2012   **2013**   **2014**

Feb 2016

Transforming Care Programme + Engineering Partnership approved by the Board

Leapfrog – Mobile device roll out for Community Allied Health clinicians + ePrescribing roll out at North Shore Hospital

March 2016

Leapfrog – iPads at the bedside ward 7 partnership with Vodafone

Oct 2015

Leapfrog – Voice to Text goes live

Leapfrog – Mobile device solution for Community Allied Health clinicians business case approved

Dec 2015

eCALD joins i3

Jun + Jul 2015

Leapfrog – eOrders (radiology) starts

Leapfrog – Patient Experience Reporting System business case approved

Leapfrog – eVitals business case approved

Apr 2015

Board approves establishment of i3

Leapfrog – Voice to Text business case approved

May 2015

Clinical Leadership programme Cohort 3 starts

Leapfrog – eOrders (laboratory) business case approved

Nov 2014

Four Fellow roles approved: Health Innovation; Quality Improvement (Allied Health); Medical Education(2); Health Informatics

Dec 2014

Cohort 1 completes Clinical Leadership programme

Leapfrog Programme Phase 1 approved by Board

2016   **2015**

May 2016

Launch of **Precision Driven Health Research** Partnership with Auckland UniServices Ltd + Orion Health

Jun 2016

Engineers in Residence Programme approved

Leapfrog – Voice to Text + eVitals go live

Penny Andrew appointed Director of i3

Jul 2016

Launch of PGY2 (junior doctor) training programme – first of its kind in NZ

Inaugural Engineers in Residence Programme

Leapfrog – Patient Experience Reporting System implementation + eVitals roll out starts

Sep 2016

Leapfrog Mobility – Mobile Device Management (MDM) platform established

Oct + Nov 2016

Precision Driven Health summer studentships commence

Leapfrog – ePrescribing rolled out to 970 hospital beds

Leapfrog – eVitals rolled out to 450 hospital beds

Dec 2016

Leapfrog Programme Phase 2 approved by Board

Jan + Feb 2017

Project to develop + trial VR training for junior doctors starts

Leapfrog – eVitals rolled out to 746 beds

Leapfrog – Mobile device solution for 122 Community Allied Health clinicians project completed

Apr + May 2017

Leapfrog – Qlik Sense Data Discovery project commences

iTui app launched

Leapfrog – eOrders (laboratory) goes live

Sep 2017

Leapfrog – Outpatient Flow Tool business case approved by Board

2017

2012

Nov 2012

Electronic prescribing and administration (ePrescribing), lead by **David Ryan**, Pharmacy Manager, starts in Ward 14 and 15 at North Shore Hospital

Dec 2012

Board approves implementation of a clinical leadership programme (enhanced care management and clinicalleadership model) designed by **Richard Bohmer** with **Dale Bramley**, CEO, **Robyn Whittaker** and **Penny Andrew**

Model includes: a plan for expanded, joined clinical and financial measurement and reporting; leadership development and education; and new institutional structures to support an enhanced clinical leadership model

2013

Feb 2013

Beginning of **Fellows Programme**, a clinical leadership + career development programme. **Dr Mahendra Naidoo** takes up 6 month role as Programme Officer, Research + Innovation. Mahendra completes several projects: eliminating unnecessary urine testing; disinvestment strategies for e-laboratory ordering; evaluation of Smartpage app (used for after hours communication between doctors + nurses)

Feb 2013

Dr Sasha Kljakovic, junior doctor, Xedical, Women's Collective, commences part-time innovation role working with Robyn Whittaker

Mar 2013

Board approves the establishment of a Centre for Health IT + Creative Design with a mandate to try new things, in collaboration with CIO, **Stuart Bloomfield**

Discussion with Clinical Directors with invitation to collaborate in 'Do not Do' (Choosing Wisely) programme – eliminating unwarranted variation in care

Apr 2013

ePrescribing starts at Waitakere Hospital + in Mental Health Services

Jul 2013

ePrescribing in 230 hospital beds

Aug 2013

Clinical leadership programme with **Richard Bohmer** starts (cohort 1)

2014

Jun 2014

Centre for Health IT and Creative Design establishes 'living innovation laboratory' with two pilot sites, ward 10 and Special Care Baby Unit

Innovation relationships established with Orion Health and Auckland UniServices' National Institute for Health Innovation (NIHI)

Jul 2014

US site visits by **Robyn Whittaker**, Clinical Lead, Innovations, + **Dale Bramley**, CEO: meeting **with Dr John Halamka**, Beth Israel Deaconess Medical Centre (BDIM), Boston; **Dr Brent James**, Intermountain Healthcare; **Richard Bohmer**

Ideas generated:

Clinician-led care redesign using evidence-base treatment protocols, e-data system tracking care variation, health outcomes + value; a structured clinical leadership + continuous improvement training programme, an institute that brings together resources to support clinicians in care redesign (Brent James)

A '**Leapfrog' Programme**: 3-5 big ideas most likely to make a difference, invest in them + make them happen in the short term. Get the right people with skills + knowledge + seek international assistance to build the programme + 'leapfrog' from current position to leading the sector (John Halamka)

A **'Fellows' Programme'**

Clinical leadership programme Cohort 2 starts

Aug 2014

Launch of an Innovation Library with lead researcher, **Dr Kim Fong**, horizon scanning + identifying healthcare innovation + new models of care to support care redesign

Electronic Ward Whiteboards developed + implemented – improving patient care on hospital wards

Capacity At A Glance' implemented –electronic monitoring of hospital capacity

Appointment of Dr Sasha Kljakovic as Health Innovation Fellow

Sep 2014

Appointment of **Dr Karina McHardy** as health leadership advisor to further develop clinical leadership programmes

Oct 2014

Appointment of Dr **Lara Hopley**, Consultant Anaesthetist, to role of Clinical Advisor Digital Innovations

Nov 2014

Four i3 Fellow roles approved: Health Innovation; Quality Improvement (Allied Health); Medical Education; Health Informatics

Leapfrog Programme Charter developed

Dec 2014

Cohort I completes Clinical Leadership programme

Leapfrog Programme approved by the Board

Leapfrog Mobility Strategy + systems to support strategy business case approved by the Board; Wireless (Hospital Hotspot + Staff wireless access SWA) deployed to all patient areas; Application platform (MEAP) commissioned

2015

Mar 2015

Leapfrog Programme Manager, **Lenore Roberts**, appointed

Apr 2015

Board approves establishment of the i3

Leapfrog Voice-2-Text business case approved by the board

May 2015

Clinical Leadership Programme Cohort 3 starts

Leapfrog eOrders (laboratory) business case approved by the board

Appointment of Engineer, **Nick Wilson**, as Leapfrog research support

Jun 2015

Leapfrog eOrders (radiology) starts

Leapfrog Patient Experience Reporting System (PERSy) business case approved by the board

Jul 2015

Leapfrog eVitals business case approved by the board

Quality Improvement (Allied Health) Fellow, **Kelly Bohot**, starts in role

Sep 2015

Clinical Leadership programme presented to APAC

Oct 2015

Leapfrog Voice to Text goes live

Leapfrog Mobile device solution for Community Allied Health clinicians business case approved by the board

Nov 2015

Engineering Partnership Programme approved by Senior Management Team

Medical Education (postgraduate) Fellow, **Dr Megan Gingell** starts in role

Dec 2015

i3 team moves to Taharoto West Building, North Shore Hospital:

Penny Andrew, Robyn Whittaker, **Jay O'Brien**, **Sharon Puddle**, **Jerome Ng**, **Joan Duignan**, **Gill Fisher**, **Vanessa Selak**, **Carlene Lawes**, **Geetha Galgali**, **Jeanette Bell**, **Sue French + Quality Improvement Team**

eCALD joins i3 and **Sue Lim** appointed as National Programme Manager

2016

Jan 2016

Health Informatics Fellow, **Jenna Jacobson-Toeono**, starts in i3

Feb 2016

Transforming Care Programme, a clinical leadership, innovation and improvement capability building programme approved by the Senior Management Team

Leapfrog Mobile devices roll out to Community Allied Health

Leapfrog ePrescribing roll out at North Shore Hospital

Medical Education Fellow, Dr **Eleri Clissold**, starts in role

Elna Meller + Maggie O'Brien join i3

Mar 2016

Leapfrog pilot of iPads at the bedside, ward 7, in partnership with Vodafone. Launched during patient experience week

Apr 2016

Health Management Fellows, **Frances Cullinane + Robyn Steinbeck**, start in roles

May 2016

Launch of **Precision Driven Health (PDH) Research** Partnership, a joint venture research partnership with Waitemata DHB, Auckland UniServices Ltd + Orion Health, funded by Orion Health and MBIE

Jun 2016

Engineers in Residence Programme approved

NZ College of Public Health Medicine (NZCPHM) approval as training site for public health medicine registrars

Leapfrog Voice to Text fully live

Leapfrog eVitals pilot goes live

Appointment of Public Health Registrar, Dr **Carol Baker**

Penny Andrew appointed Director of i3

Jul 2016

Board approve extension of Orion Health Partnership programme: evaluation of e-nursing assessment forms; design of a dynamic patient summary view (alerts, allergies, problems)

Inaugural Engineers in Residence week

Launch of PGY2 (junior doctor) training programme - 1st of its kind in New Zealand, designed by Medical Education Fellows Dr Eleri Clissold + Megan Gingell

Leapfrog Patient Experience Reporting System (PERSy) implementation starts

Leapfrog eVital roll out starts

Jay O'Brien appointed Associate Director of i3

Sep 2016

Leapfrog Mobile Device Management (MDM) platform established - devices controlled for safe access to clinical information

Oct 2016

Dr John Halamka visits Waitemata DHB advises on Digital Strategy and Leapfrog Phase 2 programme

Leapfrog ePrescribing rolled out to 970 hospital beds across the DHB

Leapfrog eVitals rolled out to 450 hospital beds

Leapfrog Mobility Enterprise Application (MEAP) Platform commissioned

Delwyn Armstrong joins i3 as Head of Analytics

Nov 2016

Precision Driven Health summer studentships commence: four projects

Lee Aase, Director of Communciations, and Dr **Farris Timimi**, Medical Director, from the Mayo Clinic social-digital-innovation team visit

Karen Fielding starts in role of Health Leadership Programme Manager

Dec 2016

Leapfrog Board approves Leapfrog phase 2 programme

2017

Jan 2017

Project to develop and trial **VR training for junior doctors** commences, led by Fellows: Eleri Clissold, Sasha Kljakovic + Megan Gingell

Leapfrog eVitals rolled out to 746 beds

Feb 2017

Leapfrog Data Discovery Business Intelligence Tool, Qlik Sense, installed

Leapfrog project completed: mobile devices rolled out to 122 Community Allied Health clinicians

PERSy +Qlik Sense Analyst, **Mandy Spencer**, starts in i3

Dylan Mordaunt starts in role as Oncology Fellow

Katherine Tse starts in role as Healthcare Design Fellow

Monique Greene + Jane Yang join i3 as information analysts

Apr 2017

Leapfrog eVitals starts in paediatrics

Leapfrog Voice to Text – used by 119 authors + 38 typists

Master of Bioscience Enterprise student, **Justin Jang**, starts in i3

May 2017

Development of new i3 brand, strategy and website with **Lindsay Yee**

Andrew Ibrahim, surgical fellow, Michigan, inaugural visiting i3 fellow in residence for two weeks

Launch of **iTui app** developed by Dr Maneesh Deva, paediatrician

Leapfrog eOrders (laboratory) goes live

Shelley Keiser + Olivia Anstis join i3

Midwifery Fellows, **Annabel Farry + Christine Mellor**, start in i3

Jun 2017

Leapfrog Data Discovery Qlik Sense – 1st apps published: Ward Audits + Care Standards

Carolyn Czepanski joins i3

Jul 2017

Leapfrog Data Discovery Qlik Sense apps published: patient experience (Friends + Family Test), Infection Control + Hand Hygiene, Nursing Documentation

Dina Emmanuel joins i3

Aug 2017

Jay O'Brien appointed lead of organisational values + behaviours programme to align with health leadership and culture change

Sep 2017

Leapfrog Data Discovery Qlik Sense – apps (dashboards) published: ED Explorer, Medical Specialties + Older Adult Clinical Metrics, Inpatient + Surgery Explorer, Paediatrics

Leapfrog Outpatients Flow Tool business case approved by the Board

Patient Safety in Practice Fellows commence: GP Fellow, **Lisa Fuller** + Community Pharmacist Fellow, **Diana Phone**

Oct 2017

Barbara Corning-Davis, joins i3 as Systems Engineer