

# Digital Health Portfolio - June 2019

Period to 30 June 2019

<b>Overall Comment</b>	<p><b>This monthly report provides updates on key digital health initiatives.</b> It is compiled from information provided by Ministry business units and health sector stakeholders.</p> <p><b>Key points to note this month:</b> twenty two percent of all general practices are now generating eScripts and fourteen percent are authorised to produce e-Scripts for controlled drugs; four Midland DHBs have completed the integration of NZePS and deployed the functionality into their Clinical Portal; South Island have completed a set of changes to the SI PICS to address the data quality and usability issues; CDHB Maternity Services have completed a transition to SI PICS and Health Connect South; 98 general practices have now made clinical notes available to their patients and 17 practices have begun to use video conference for consultations.</p> <p><b>Other initiatives will be added to this report as they become active at the discretion of the Ministry. Initiatives will be removed from this report as they are completed.</b></p>						
Name	Description	Stage	Key progress	Next milestones	Milestone dates	Comments	Owner
<b>NATIONAL</b>							
<b>NZ Digital Health Strategic Framework</b>	The Digital Health Strategic Framework guides the use of data and digital technologies to support delivery of the Vision for Health Technology and enable a strong and equitable public health system.	<b>Imp.</b>	Aligning the strategic framework to Ministry work programme. Continue to advance work aligned to delivery of enablers and measuring progress.	Awaiting Digital Investment Board formation to validate priorities and implementation approach. Continue engagement with the sector to align investment and implementation plans.	Aug-19	Recognise the complex digital health ecosystem and avoid a centrally directed programme. Instead align Ministry and agency investments, encouraging an agile approach and sector innovation.	MoH
<b>National Health Information Platform</b>	A national health information platform (nHIP) to give consumers, health care providers and planners access to health information across sector systems.	<b>Scope</b>	Cabinet paper is awaiting presentation to the Cabinet Social Wellbeing Committee (SWC) for approval to proceed to Detailed Business Case. Continue to align related initiatives to the health enterprise architecture target state.	Cabinet paper to the Cabinet Social Wellbeing Committee (SWC) for approval to proceed to Detailed Business Case.	Aug-19	The decision on moving to the next stage of the business case is pending Cabinet approval.	MoH
<b>National Bowel Screening Programme (NBSP) IT System</b>	Implementation of a national bowel screening IT system, while taking a modular and reusable approach to support other population health initiatives.	<b>Imp.</b>	The National Screening Solution (NSS) continued functional build activity using an agile methodology in a series of sprints. The first two "sprints" have been completed and the output demonstrated to stakeholders. Integration with third party systems (i.e. Labs) and internal Ministry systems (i.e. NHI) has been progressed.	Complete the build of the remaining system functionality prior to entering into the formal testing activities.	NSS-Go-live: October 2019	Build phase is fully mobilised with test planning now a focus.	MoH
			Interim IT Solution supports the National Coordination Centre and Waitemata, Hutt Valley, Wairarapa, Southern, Counties Manukau, Nelson Marlborough and Lakes DHBs. The final tranche of functional enhancements was successfully deployed during May.	Maintain the solution ahead of migration to NSS.	NA:		
<b>NZ ePrescription Service (NZePS)</b>	NZePS enables the electronic exchange of prescription and dispensing information between general practices, residential care facilities, hospitals and community pharmacies.	<b>Rollout</b>	22 percent of all general practices are now generating e-Scripts and 14 percent are authorised to produce e-Scripts for controlled drugs. 84 percent of all community pharmacies scanned barcoded eScripts in June. Community dispensing data is now provided real-time for hospitals, and seven DHBs are using this service. Doing final testing of a pilot with addiction services to improve prescribing and dispensing processes for their clients. The Misuse of Drugs Act regulations are being reviewed to support further change and take up of medicines management digital services.	Plan to commence a pilot with Residential Care (RC) to see if the need for a written prescription can be removed when an RC electronic medication charting system is used (pilot excludes Controlled Drugs). Also to commence a pilot to enable direct electronic and secure email transmission of prescriptions from a general practice to a community pharmacy, without the need to sign the prescription. The pilot is to determine the feasibility in respect to regulations, technology and work practices.	Jul-19	NZePS provides a platform to deliver significant benefits across the health system including reduced opportunities for fraud, efficiencies in prescribing and dispensing practices and provision of a person's medication details at the point of care.  NZePS provides community dispensed data to health professionals for clinical purposes, such as medicines reconciliation and adherence services.	DHBs
<b>National Maternity Record (NMR)</b>	The NMR is an electronic record of care that allows sharing of information throughout women's pregnancies, labour and birth in hospitals and the community. The next stage of development will give women direct access to their information.	<b>Rollout</b>	The rollout to provide women digital access to their information will continue in 2019. Projects are underway to ensure the correct information is collected and accessible for reporting purposes. The maternity team is following on from the recent stocktake and is meeting with each DHB to agree a strategy and a way forward for their maternity systems. The team is exploring all available options on what the maternity system needs to look like. A shift from desktop to iPad will be available to community midwives as a priority, and hospital staff by the end of 2019.	The next iteration of NMR clinical system will be available for users in August 2019. A feasibility project is underway with Clevermed to determine whether we can integrate back into the UK product, BadgerNet Global. Any decision to migrate to the new platform will be made by the current users of the system. The Maternity care summary HISO standard will be sent for public comment July 2019. The first phase of the interoperability project will go live at Counties Manukau DHB early August 2019.	Aug-19	Interagency work continues to connect related aspects of the NMR: DIA - Smart Start System project. ACC - Growth Assessment Protocol project. HQSC - National Maternity Early Warning System.	MoH

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<b>Health Finance Procurement and Information Management System</b>	Health Finance Procurement and Information Management System (FPIM) led by NZ Health Partnerships (NZHP), will design and build the IT infrastructure and applications to meet DHB's finance, procurement and supply chain needs.	<b>Imp.</b>	The first four DHBs - Bay of Plenty, Canterbury, Waikato and West Coast - have been live on FPIM for nine months. The business case has been considered by all DHBs. A new FPIM Governance Board has been established and the Ministry of Health is now taking a stronger role in the day to day management of FPIM.	Cabinet is to consider the future of the programme.	Jul-19	Health Minister David Clark has called for a revised business case.	NZHP
<b>National Immunisation Register (NIR)</b>	Two core components of the National Immunisation Register (NIR) are to be upgraded to provide stability and system improvements.	<b>Scope</b>	ImmuniseNow was updated on 13th June to enable pharmacists to see the vaccination history of their patients held in the NIR using the ImmuniseNow web portal.	Progress the product upgrades to the National Immunisation Register (NIR). A demonstration was made to DHB NIR Administrators in May showing some of the enhancements that the upgrades will provide.	Jul-19	Due to the age and bespoke nature of the NIR only two of the three components can be upgraded: Rhapsody and Concerto.	MoH
<b>National Health Index (NHI) - Health Provider Index (HPI)</b>	This project includes the upgrade of the National Health Index (NHI) and Health Provider Index (HPI) platforms, and the extension of HPI functionality to meet South Island DHB and wider sector requirements.	<b>Imp.</b>	Initiation phase activities underway, including an Infrastructure hosting Proof of Concept (PoC) with Amazon Web Services (AWS). Draft FHIR profiles for Patient and Provider have been developed. Initiation phase activity is due to complete in August 2019.	Complete initiation phase activities - solution architecture, data modelling, migration strategy, implementation planning, Infrastructure PoC.	Aug-19	Project teams are established and initiation phase planning is underway. HPI activities will be progressed in collaboration with South Island Alliance (SIA). AWS hosting options are being considered, and a PoC is being undertaken to establish the feasibility and mitigate risk.	MoH

Stage			Confidence			
Concept	Scope	Imp. Implementation	Rollout	PIR Post Implementation Review	Achievable ●	At Risk ●
					New to the report	Report due 31 July

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Name	Description	Stage	Key progress	Next milestones	Milestone dates	Comments	Owner
<b>DISTRICT HEALTH BOARDS</b>							
<b>Northern Region</b>							
<b>Northern Region Datacentre (IaaS)</b>	Northern Region Datacentre (IaaS) is a foundational programme within the Northern Region ISSP. IaaS will evaluate, then where relevant, migrate the region to IaaS services to address the risks and constraints currently faced.	Scope	The Affordability Review (AR) has been completed and approved by CFO/CIOs with the IaaS savings of 50 percent achieved. The AR is now in the process of Internal DHB approvals and to undergo an external audit review. IaaS Service Establishment (SE) – This was originally scheduled for Board approval in February 2019 for endorsement. The execution of the Service Establishment Participating Agency Agreement (PAA) was completed in May, 2019. IaaS (Migration of Workloads) – Business Case is being updated with the preferred Affordability Review options. It is anticipated that this will now be approved by the remaining DHB Board (CMH and WDHB) in September/October, 2019.	With the hA SE PAA executed the Service Establishment stream is now moving into Build/Acquire & Test. Migration - Workload Discovery and Cloud Placement (WDCP) recommendation has been completed and confirmed Revera IaaS as the destination for legacy systems. Migration - Instillery review of BC Counterfactual completed and reconfirmed use of IaaS over a co-located self build and operate. Migration - Business Case Updated and Independent QA - June /July. Migration - Business Case Approval by WDHB (2/10) & CMH (18/9).	Oct-19	Progress against the plan had been impacted by the delays experienced to complete the Counterfactual review, and to complete the affordability analysis, and the cost reduction analysis and negotiations. With the Services Establishment PAA signed the workstream is now progressing into Build. With the AR completed the Migration BC is being updated and subject to an independent audit review targeting before seeking the remaining CMH & WDHB approvals	Northern region
<b>Hospital Administration Replacement Project (HARP)</b>	HARP is seeking to replace the bespoke and dated Patient Administration Systems (PAS) at ADHB with a modern, resilient and fit for purpose Commercial off the Shelf (COTS) solution. HARP is an ADHB project but is also aligned with the wider Northern Region Information System Strategic Programme (ISSP).	Scope	The RFP closed on 29 May 2019, with six high quality respondents. The HARP team finalised the evaluation materials for the Core Evaluation Team (CET) and are starting to develop the Proof of concept framework and use cases. CET commenced evaluation on 4 June with the evaluation stage closing on 25 June.	Planning for the Labs are in progress and site visits as well as some initial work on the negotiation strategy. Formal writing of the Single Stage Business Case is underway and will be submitted to the Ministry of Health by December 2019.	Jul-19	Planning to have the Better Business Case in front of the Capital Investment Committee by Feb 2020.	ADHB
<b>Regional Collaborative, Community Care (RCCC)</b>	RCCC aims to implement a preferred vendor/product combination for the replacement of the JADE system in use at Northland DHB with the potential for a regional Collaborative Community Care solution.	Scope	Affordability Review (AR) completed and RCCC Business Case costs are within AR target. Vendor Evaluations are progressing and SSBC in finalisation to begin approvals cycle from June.	SSBC approvals: - hA Board approval 28/6 - NDHB Board approval 15/7 - CIC Approval 19/7	Jul-19	The overall status of the programme is rated as 'Amber' due to scale and complexity of the Programme. The SSBC has undergone significant rework to fit in with the AR cost parameters. SSBC to start its approval cycle in June 2019.	Northern region (NDHB Led)
<b>National Child Health Information Platform (NCHIP)</b>	NCHIP supports existing child health services in the Midland and Northern regions. It captures and displays milestone data from disparate systems and presents it as a single unified dashboard. GPs, Well Child providers, Hospital Clinicians and regional coordination services access the dashboard to ensure that 'no child misses out' when it comes to the 29 health check milestones.	Rollout	NCHIP to be rolled out to Auckland, Waitemata and Northland DHBs. SaaS Agreement and SoW with Orion Health has been signed. Enhancements to NCHIP underway. Registration and healthcare milestone data from Northern Region systems and national healthcare providers being captured and mostly being fed into NCHIP. NHI and NES data feeds with MoH established with healthAlliance working on data transfer mechanism. Content of data share agreements are being agreed within Privacy Impact Assessment (PIA). Specifications for the services provided by the NCHIP Coordination hub are agreed and the process of defining operation practices is underway.	Modify agreement with Orion Health to revise delivery timeframes for NCHIP enhancements. Otherwise manage development work underway by Pinnacle Midland Health Network and healthAlliance. Finalise data share agreements with the healthcare services providing data to NCHIP. Design the operational processes for the NCHIP coordination services. Commence planning for testing and deployment.	Oct-19	Revised delivery timeframes have been agreed. Detailed schedule of activities from now through to go live and the end of the current project phase are now in place.	Northern Region
<b>Midland Region</b>							
<b>Midland Clinical Portal</b>	The Midland Clinical Portal (MCP) will create one, consistent and accurate view of patient and clinical information for all Midland DHBs. It will also seek to integrate and share data with primary and other health care providers using MCP.	Imp.	Three Business Cases have been approved by all five Midland DHBs and are with MoH for approval: Business Case 1 - MCP 2.1.0 Technical Enablers. Business Case 2 - MCP 2.1.1 Delivery of regional functionality, including the transition of Haurora Tairāwhiti on to the MCP. Business Case 3. MCP 2.2.2 Development of regional functionality, including the transition of Bay of Plenty DHB on to the MCP. Integration of NZePS complete and functionality deployed at four Midland DHBs. Medicines Management (ePA) Business Case (BC) started. Analysis and design for Lakes DHB Transition to MCP underway. Mental Health & Addiction Services (region) analysis and design work underway.	Planning review work has been completed and the project baselined. Development is underway across all business cases and testing underway for MCP 2.1.0. Design and development work underway for MCP 2.1.1 and MCP 2.1.2. Transformation and change work underway. Implement NZePS at Haurora Tairāwhiti. BC will go to the CEO Governance Group for approval in August 2019. Agree requirements/build implementation BC. Agree requirements and build implementation business case.	Sep-19 Apr-20 Sep-20 Jun-19 Aug-19 Aug-19 Aug-19	Regional functionality will become available and implemented first into a production environment at Haurora Tairāwhiti followed by Bay of Plenty DHB.	Midland Region
<b>Central Region</b>							
<b>Regional Digital Health Services</b>	Delivery of a regional clinical portal (CP) and radiology information system (RIS) for Central Region DHBs and replacement of legacy patient administration system (PAS) at Whanganui, MidCentral and Wairarapa DHBs. Formerly called the Central Region Health Information Platform.	Rollout	Progress to on-board Capital & Coast on regional RIS is delayed by two months due to resource constraints and is now forecast for Oct 2019. Hawkes Bay DHB is ready to begin the final on-boarding sequence to regional CP. Regional webPAS upgrade to 10.14 for NCAMP19 compliance is delayed due to DHBs local resource constraints for UAT prior to go live on 1 Jan 2020. Efforts to assist DHBs address these constraints are in progress. The project will deliver 10.14 to UAT in Oct 2019 as planned.	Planning for Hawkes Bay to on-board to regional RIS has begun, with a target completion date forecast for Feb 2020. Continue planning for Hutt Valley to on-board to regional RIS along with discussions around performance and benefits. Begin planning for regional PACs Archive migration to public cloud and aim to address the significant costs of storage, accessibility and business requirements. Re-pricing existing AOG IaaS platform underway. The new model of consumption and utilisation is proposed to have positive impact on costs and availability.	Aug-19	The delivery of regional webPAS 10.14 version is progressing against plan and slightly ahead of budget. Challenges of DHB resources to complete testing prior to go-live continue to be reviewed. With FY2019/20 budget forecasts now endorsed, work is progressing to continue the digital strategy for Regional Digital Health Services (RDHS) presented and approved by the CR CEOs in April'19.	Central Region
<b>South Island Region</b>							
<b>South Island Patient Information Care System</b>	The South Island Patient Information Care System (PICS) programme will deliver a new regional hospital patient management system for the South Island DHBs.	Rollout	The final set of changes to SI PICS to address the data quality and usability issues were implemented 26 June. CDHB Maternity Services have now transitioned to SI PICS/HCS from the CareSys platform. SI to progress a cross application functionality group for future functionality planning. As an interim step SI PICS will proceed with resetting a group focussed solely on SI PICS to ensure continued identification of development effort for Orion.	Programme Schedule and implementation activity for the remaining three DHBs has been identified. West Coast DHB is expected to commence implementation activity by early 2020. South Canterbury DHB is expected to commence implementation activity October 2019. The regional team is supporting South Canterbury DHB to explore any options for project resourcing. Southern DHB have indicated implementation activity will likely commence in the 2019/2020 financial year.	Jul-19	Core functionality identified as the foundation is expected to be delivered by December 2019. Theatre functionality is the major element for development during 2019.	South Island
<b>Regional Service Provider Index (RSPI)</b>	This project is in the discovery phase. The scope is to recommend and develop the business case for a single, authoritative source identifying people providing health care and administration in the South Island that could be adopted by the rest of New Zealand. The five key concepts identified are organisation, service, facility, team and individual.	Scope	Project timeline and resource requirements are being reviewed following the project teams meeting on 6 June 2019. FHIR API Connectathon was held on 19 June. Draft HPI API structures presented to the FHIR community feedback.	Workshop scheduled for July to collaboratively validate requirements with key stakeholders. IBM workshop scheduled to overview the Infosphere product to the South Island Architects and developers.	Jul-19	Key risks and issues currently being reviewed by the project teams.	South Island

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<b>PRIMARY CARE</b>							
<b>Patient Portals and Video Conferencing in practices</b>	Implementing patient portals in general practices to provide people with secure online access to their health information. This activity is led by General Practice New Zealand (GPNZ).	Rollout	As of March 2019, 858,033 patients, or 19 percent of enrolled patients in NZ had registered to use a patient portal; and 620 practices (65 percent of general practices) have implemented portals. 98 general practices have made clinical notes available to patients and 17 practices are able to use video conference for consultations.	The Telehealth Leadership Group is working with PHOs, practices and the RNZCGPs to create guidelines and templates to support uptake of video conferencing for patient consultations.	Sep-19	Primary Health Organisations continue to promote patient portal uptake and increased utilisation of portals.	GPNZ
<b>Lower North Island PHOs Patient Management System Review</b>	Identification of a primary care patient management system for lower North Island PHOs: Compass, Te Awaikarangi and Central.	Imp.	The Indici SEHR went live in the 3DHB regions in December 2018. At Go Live there were 74 practices on the Indici SEHR across the 3DHB regions or 92% of the enrolled population. Eleven practices are now live on the Indici PMS, one in Te Awaikarangi Network, five in Central PHO and five in Tū Ora Compass Health.	Central PHO have continued to deploy Indici, while Te Awaikarangi Network and Tū Ora have implemented a pause period to address some product and change management issues. The current plan is to resume deployment from late September this year.	Sep-19	DHBs (Capital and Coast, Hutt Valley, Wairarapa and Mid Central) are supportive of the move to the Indici SEHR.	PHO
<b>Compass Health GP Access to CCDHB Clinical Information</b>	Providing GP teams with one click access to patient information in CCDHB hospital information systems (Concerto).	Imp.	576 clinicians confirmed with Concerto access.	Continued engagement with practices who have not requested Concerto access for their clinicians. Ongoing deployment of the new Conporto solution across the 3DHB region. Conporto now has feeds from all the regions Concerto systems (CCDHB, Hutt and Wairarapa DHB).	Sep-19	Continuing to grow the new solution for 3DHB region to provide a consolidated view of all three Concerto systems for patients, and investigate additional data sources.	PHO
<b>Pegasus Health PHO - Sirius Programme: Electronic Medical Record Platform Implementation</b>	The Sirius Programme will deliver an alternative electronic medical record, including a platform (Infrastructure as a Service), a practice management system (PMS) solution including patient and provider portals and mobile apps, implementation support including data migration and ongoing support and maintenance.	Imp.	Additional implementation completed Feb 2019. Sirius Care Patient Portal now live. 1 April MOH NES changes implemented, along with other product improvements. Work underway to action feedback from current pilot practices before progressing, and also to fine-tune data migration process for larger data-sets.	Release next version of Sirius product for the next set of practice implementations.	Sep-19		PHO
<b>Pinnacle Health PHO Indici Implementation</b>	Indici is a new cloud-based patient information system. It is creating a single master patient list to connect a wide range of services to a core record. It is being deployed across general practices, midwives, rest homes, hospices, residential services and a wide range of allied providers.	Imp.	Indici now rolled out to 17 GP practices and 43 Allied health services across the Midlands Region. Electronic Prescribing System (EPS) implementation is completed for 16 practices and 5 practices have chosen to postpone implementation. Broad rollout of ACC45 direct SNOMED API is progressing well, with all 17 GP practices implemented.	Rollout to two new GP practices	Aug-19	Ongoing rollout is now treated as business as usual.	PHO
<b>ProCare PHO Patient Management System review</b>	Identification of primary care practice management system recommendation to the ProCare network of 170 practices.	Scope	Contracts signed with vendor. Support staff recruitment underway. Northern region integrations being planned. PHO infrastructure requirements in development.	Complete Northern Region integrations. Sign agreements with pilot practices for PMS implementation. Define PHO upgrade requirements.	Aug 19 Aug 19 Aug 19	Vendor is working closely with other PHO clients to resolve some issues that would otherwise affect us.	PHO
<b>Primary Care Data Service</b>	The majority of Primary Care Networks (PCNs) have jointly funded an Expression of Interest (EoI) to gauge the feasibility of implementing a National Primary Care Data Service (NPCDS) for the sector.	Scope	MoH have clarified the process to secure long term funding for the NPCDS. Appropriate approvals have been received for business case development and resource requirements.	MoH will engage an external supplier to proceed with the business case which will lay the groundwork for the establishment of a national primary care data service.	Sep-19	Work to date has led to a clear understanding of the inter dependencies that exist between the PCDS, other ministry patient centred data work streams and the current data sets held by the ministry, including NES. PCDS could be used as a first stage practical link to the wider strategic work being undertaken by the Ministry. New analytical tools are now available in the market that did not exist when the PCDS was first conceived, which while delaying the procurement of a supplier for a the business case, has allowed for a exploration of models as part of the business case process. Draft procurement documentation will be completed by mid August 2019. This will include an engagement strategy with the primary care sector.	PHO
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;"> <p>Stage</p> <p>Concept   Scope   <b>Imp. Implementation</b>   Rollout   PIR Post Implementation Review</p> </div> <div style="text-align: center;"> <p>Confidence</p> <p><span style="color: green;">●</span> Achievable   <span style="color: red;">●</span> At Risk   <span style="color: orange;">■</span> New to the report</p> </div> </div>							