

# Digital Health Portfolio - July 2018

Period to 31 July 2018

Name	Description	Stage	Key progress	Next milestones	Milestone dates	Comments	Key risks and issues	Owner
<b>MINISTRY OF HEALTH</b>								
<b>NZ Digital Health Strategy</b>	A Digital Health Strategy that will align with the New Zealand Health Strategy and give life to the Health Technology Vision, guiding investment in technologies across the health and disability sector for the next four years.	Imp.	Work continued on engaging with the sector to align investment plans and prepare for implementation activities.	Formal approval of the strategy. Engagement with the sector to align investment and implementation plans. Commence implementation activities.	Aug-18	Due to the complex digital health ecosystem, the strategy will go through aligned agency investment and implementation plans rather than a centrally directed programme, encouraging an agile approach and sector innovation.	Implementation requires agency investment and implementation plans guided by measuring progress towards strategic objectives and strong governance and monitoring.	MoH
<b>Death Documents Online</b>	Enabling the medical certificate for cause of death to be carried out on line.	Imp.	Work programme for HPI/NHI integration agreed with the service provider. Terms of Reference for external security testing agreed. DIA Showcase held to inform upcoming legislative changes. Substance of Privacy Impact Assessment agreed, addendum for updating Date of Death developed, evidence of identity risk assessment compiled and Public Internet gateway functional for integration.	Complete and implement changes to enable funeral director access. Commence integration build. First full release with user authentication for testing of Ministry user interface. Confirm Evidence of Identity risk assessment. Joint MoH/DIA Showcase of Funeral Director release.	Aug-18	Over 140 clinicians across the country have completed more than 450 Medical Certificates of Cause of Death online to date. This process improvement is a joint development between DIA and the Ministry of Health.	Loss of momentum as the project seeks to share information with funeral directors and medical referees. Lack of PIA approval. Non-supply of identity details by medical Council to facilitate secure login process. Poor take-up in the absence of significant sector engagement and primary and secondary care	MoH / DIA
<b>National Electronic Health Record</b>	An electronic health record (EHR) platform to give consumers, health care providers and planners access to health information from sector systems. It will support individual health management, delivery of healthcare and decision making across the sector.	Concept	Cabinet paper has been drafted and is awaiting presentation to the Cabinet Government Administration and Expenditure Review Committee (GOV).	The paper will be presented to Cabinet after consultation with Ministers and coalition partners.	Aug-18	The decision on moving to the next stage of the business case is pending cabinet approval.	Information sharing and privacy concerns deter clinicians' and consumers' buy in to the EHR, trust must be maintained. Momentum may be lost if the detailed business case stage is delayed.	MoH
<b>National Bowel Screening Programme (NBSP) IT System</b>	Implementation of a national bowel screening IT system, potentially taking a modular and reusable approach.	Imp.	The NSS Design Phase is on track to complete the solution blueprint and documentation in August. The NSS Business Case is being finalised with submission early August. The development of the NSS Build Phase contract documents is underway.	Review the NSS Design Phase, including all solution blueprints, core project material and input from sector representatives and assurance in-line with GCDO best practice. Complete all Build Phase contract preparation and negotiation activities with the contractor(s) ready to be awarded at the end of the Design Phase, pending approval of the business case.	Design Phase: Aug-18 Business Case: Aug 2018	The business case approval and finalisation of NSS design are occurring in parallel. Mitigations are being prepared should a later Business Case approval occur.	Delay in the approval of the NSS Business Case could delay the NSS development and implementation timeframes, including the award of the build contract for the preferred vendor beyond August 2018. Delay in signing-off the NSS business case could also impact resource availability and cost to complete.	MoH
			Interim IT Solution continues to support the National Coordination Centre and Waitemata, Hutt Valley, Wairarapa and Southern DHBs. Counties Manukau DHB commenced bowel screening in July 2018 using the Interim Solution.	Work through enhancements to the solution and infrastructure, and prepare to onboard the next three DHBs: Nelson Marlborough, Lakes and Hawkes Bay, in the second half of 2018.	Enhancements: Dec-18 DHBs on Oct-18			
<b>Cervical Cancer Screening</b>	Implementation of a re-developed national cervical screening system(NCSS) to meet the requirements for primary HPV screening, taking a modular and reusable preventative health platform approach.	Scope	Discussions with Better Business Case (BBC) writer identifying inputs required to meet December 2018 target for a draft BBC.	Refine plan for Better Business Case delivery working with the writer and subject matter experts.	Aug-18	The NSS Design Phase for the NBSP Implementation Programme is delivering a "universal design" for the NSS, ensuring the NCSP requirements can be built on. The design process will also inform the NCSP-NSS Business Case development.	Without the successful deployment of the NSS for NBSP, and the approval of the NSS-NCSP Business Case, the technology support required for Primary HPV Screening will not be available to implement this clinical pathway change.	MoH
<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.	Rollout	The trial to provide women access to their information will continue to the end of 2018. Technology projects are underway to ensure the correct information is collected and accessible for reporting purposes. Work continues to ensure access to the NMR for hospital and the community. Work continues with expert advisors to inform development of the National Maternity Record clinical systems. Capital and Coast DHB went live with the NMR (Neonatal module) in July 2018.	The next iteration of NMR clinical systems changes will be available for users in August 2018. Women will be able to access their summary information from October 2018. Developing requirements for Midwives to operate remotely using iPads in 2018.	Aug-18	Interagency work continues to connect related aspects of the NMR: DIA - Smart Start system project ACC - Growth Assessment Protocol project	Lessons learned from the early adopter DHBs must be included in the implementation plans of new DHBs adopting the system. Implementation of the National Maternity Record requires support from the professional colleges to progress.	MoH
<b>Newborn Hearing Information Management System (NHIMS)</b>	NHIMS, a national database to share information across newborn hearing screening, audiology and DHB early intervention providers. It operates on the National Maternity Record (NMR) platform. NHIMS meets a 2012 recommendation for a national database from a report on a newborn hearing screening incident.	Rollout	Clevermed provided information on their fees to implement NHIMS at a DHB. Information provided to two DHBs regarding costs of implementing NHIMS (Clevermed fees and other costs).	Formally communicate the known and anticipated costs to all DHBs, to enable and encourage their NHIMS implementations.	Sep-18	Continue collaboration with NMR programme team focused on encouraging DHBs to implement MCIS and/or NHIMS.		MoH

Stage: Concept, Scope, Imp. Implementation, Rollout, PIR Post Implementation Review

Confidence: Achievable (green dot), At Risk (red dot), New to the report (orange box)

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<b>DISTRICT HEALTH BOARDS</b>								
<b>Northern Region</b>								
<b>Northern Region ISSP and Regional Roadmap</b>	Northern Regional Information Services Strategic Plan (ISSP) 2017-2027 outlines how information services enable the Northern region DHBs to achieve their regional vision.	Scope	The Regional ISSP Roadmap V1.0 is complete has been endorsed by the ISSP Steering Group and IS Governance Group. ISSP V2.0 draft is also complete and has been under regional review. Feedback has been received from the Region and MoH and is being incorporated into the document	ISSP Regional Roadmap is progressing through it's approvals process. ISSP V2.0 will also commence it's approvals process in August. Work on the Regional ISSP Roadmap V2.0 will commence in August.	Aug-18	Business cases are being developed for key identified initiatives from the ISSP Regional Roadmap, MoH and Treasury will be given visibility of these as they are developed.	Recommended initiatives as part of the Roadmap need to be balanced with the available resources within the Region plus available funding from Central Government. A Northern Region Portfolio funding approach needs to be agreed with MoH and Treasury.	Northern region
<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	AoG IaaS secondary procurement is complete and a preferred vendor confirmed. Workload placement planning to be completed prior to committing to Business Case and Participating Agency Agreements (PAA). Detailed design activity for core enablers entering review and endorsement stage in parallel to workload placement planning. Formal variation to be completed based on requirement to complete workload placement given the resulting delays.	Mobilise for workload assessment / placement planning activity. This being required prior to securing regional DHB board approval for business case. Complete formal project variation. Complete core detailed design and common transition planning as a base to build on given workload placement outcomes.	Aug-18	IaaS contracts have been reviewed by DIA.	Regional board approval and MoH endorsement of the IaaS business case is the key critical path activity, requirement to complete workload placement planning prior to board approvals means a formal variation to the project is required.	Northern region
<b>Midland Region</b>								
<b>Midland eSpace</b>	eSPACE will deliver the Midland clinical portal (MCP) creating 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.	Scope	eSPACE is continuing a detailed current state discovery for all DHBs in the region, and are most advanced for Bay of Plenty and Tairāwhiti; ascertaining Lakes and Waikato and about to engage Taranaki.  Continuing to test the data set for NZePS. Awaiting permission from MoH to release on to Midland Clinical Portal.  Executive Brief on Integration with Starship approved to commence.  Continued development of the underlying functionality for Forms/Pathways and Mental Health.	Ongoing activities to complete current state picture of all DHBs within the region. Development of detailed plans for functionality releases and local implementation.  Completion of testing and permission to release into production.  Completion of the Project Implementation Document (PID).  Completion of Executive Brief.	Sep-18  Nov-18  Sept 2018  Aug 2018	1. Planning is under way for a comprehensive and detailed roadmap for delivery of functionality from 2019 and beyond. 2. NZePS will be a 'game changer' according to clinicians and its lack of availability is a cause for concern. 3. Great progress being made with all DHBs, with the region coming together well. 4. Establishing an eSPACE Project Management Office. 5. Medicines Management Workstream will develop requirements across the region and launch an RFI in September, at which time, an evaluation of MedMan, MedChart and other solutions will be made. It is important to note that all regional functionality releases will become instantly available to the entire region, should DHBs choose to use them.	Recruitment is a major issue, with the market tightening and eSPACE competing with DHBs for resources, which are becoming more costly. 2. Physical space is problematic with eSPACE outgrowing its footprint. 3. DHBs are under continued pressure to deliver tactical solutions into legacy systems.	Midland Region
<b>Central Region</b>								
<b>Central Region Health Information Platform</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.	Rollout	The Service Delivery Partner has now taken over management of all operational elements. RIS onboarding for CCDHB about to restart. Orion Warrant of Fitness on Regional CP has been completed and further optimisations of existing components have been recommended. Regional Application Data Access (RADA) for Clinical Portal has gone into production on schedule. HBDHB is migrating data to the regional CP.	Continue HBDHB data migration, expected to be available for clinical use by September 2018. CCDHB to confirm timeframe for onboarding to Regional RIS. Healthcare Practitioner Index (HCP) information migration into WebPAS due to commence.	Aug-18	Good progress against existing initiatives. New initiative list developed for enhancing the regional applications and proceeding to business case.	Regional service management process improvements identified as well as improvement needed with the DHB engagement.	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	NMDHB is operating well on SIPCIS since the transition. Work has begun on the SCDHB business case, and is expected to be completed in August.	The remainder of CDHB sites go-live has been rescheduled for 31 August 2018. The CDHB Programme Board, has worked with the business to scope the project's remaining tasks.	Aug-18	The 31 August 2018 has been identified as an achievable target date based on this scoping activity. The programme will continue to monitor and assess progress towards the go-live date before making the final decision to go live on the 31 August.	Vendor capacity to deliver on schedule.	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	The SI Business Case has been approved in principle clarification of funding stream options. Ongoing development of the joint (SIA/MoH) MoU continues, awaiting for financial information from the MoH CFO on a proposal on how to manage the asset depreciation. MoH have purchased the IBM MDM Advanced licenses. Existing IS SLA resource contracts are expire July/August.	The MoH are scheduled to meet with the DG for approval of the upgrade Business Case. The Project Initiation and detailed planning sessions with the MoH team have been rescheduled. The workshop to define a fixed price cost from IBM to be rescheduled to late August due to resource availability and the requirement for	Aug-18	The South Island Alliance have formally engaged with the MoH to extend the HPI functionality while the South Island progresses a Regional Service Provider Index that will accommodate both the registered and non-registered South Island Health workforce.	Lack of a provider index impacts the progress of several key regional programmes such as eReferrals, SI PICS and Health Connect South. The South Island Alliance is unable to source funding and support to meet timing requirements.	South Island
<b>National</b>								
<b>National Oracle Solution (NOS)</b>	The National Oracle Solution, led by NZ Health Partnerships (NZHP), will design and build a single financial management information system ready for DHB implementation.	Imp.	The first four DHBs - Bay of Plenty, Canterbury, Waikato and West Coast - went live on NOS on July 2 as planned. Cabinet has requested an updated Business Case for the NOS Programme.	On-going support of the first four DHBs that are live on NOS and development of the plan for the Business Case for review by the Ministry of Health in August. The plan for the Business Case will cover a recommended approach for meeting the shorter-term IT infrastructure needs of a number of DHBs.	Aug-18	The programme will remain red until Cabinet has approved the Plan for the Business Case. The updated Business Case is expected to be considered in the first quarter of the 2019 calendar year.	Cabinet approval of the plan for the Business Case and the updated Business Case itself. The latter is expected to be considered in the first quarter of the 2019 calendar year.	NZHP

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<b>PRIMARY CARE</b>								
<b>Patient Portals</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	The Primary Health Organisations continue to drive patient portal utilisation. 73 practices are now giving their patients access to clinical notes. Practices report this has been well received and does not create any issues. Patients report they find this information helps them to manage their own health.	Continue to work with the primary care sector to collect statistical information on the benefits of portals and communicate to encourage wider use.	Aug-18	As at March 2018, 601,345 patients have registered for a portal- 13 percent of enrolled patients in NZ. 560 practices have implemented - 58 percent of general practices.	Practices do not make portals available and benefits to patients and practices are not achieved.	GPNZ
<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.	Rollout	NZePS is used by 92 GP practices, up from 73 in Dec 2017. 46% of all ePrescriptions issued at practices were scanned at pharmacies, up from 40% in Dec 2017. 56 practices have Ministry approval to issue NZePS Controlled Drugs, up from 31 in Dec 2017 and 8 in Dec 2016. A number of pilots are underway, including with CCDHB addiction services and Midland region to access community dispensing data for medicines reconciliation.	Continue engagement with DHBs / PHOs and GP practices to promote uptake.	Aug-18	Sector governance model and sector roles and responsibilities continue to be finalised. Uptake of NZePS by practices is gaining good momentum and scanning of NZePS prescriptions at pharmacies is also increasing steadily.	Cost and functionality concerns may mean rollout is slower than planned with potential impact on budget. Lack of clarity regarding future funding to support the service, rollout and enhanced functionality. Lack of visibility of roadmap for the development of the service towards a my list of medicines and paperless prescribing	MoH
<b>Lower North Island PHOs Patient Management System Review</b>	Identification of improved primary care patient management system for lower North Island PHOs: Compass, Te Awakarangi and Central.	Scope	Commercial terms agreed with Valentia and other partner PHOs. Pilot practices being agreed, and Programme team established to coordinate and manage the roll out.	Finalise license agreement. Working towards switching the SEHR to Indici for a late August go live date, and checking all local integration is working (eg, Laboratories, ).	Aug-18	DHBs (Capital and Coast, Hutt Valley, Wairarapa and Mid Central) are supportive of the move to the Indici SCR and have prioritised key staff to ensure a late August go live.	1. Key integrations will be ready for a potential September go live for the PMS. 2. Early adopter practices take longer to switch over to Indici than estimated.	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).	Scope	441 clinicians confirmed with concerto access, another 31 awaiting setup	Continued engagement with Practices who have not requested concerto access for any of their clinicians. Investigation of a Concerto access with the Indici PMS	Aug-18	Currently investigating new solution for 3DHB region to provide a consolidated view of all 3 Concerto systems for patients	Accurate DHB inputting of identity required. The configuration of the Health Certificate on the workstations of clinicians can impact the functionality of the system. This is being managed on a per user basis but has slowed down some installations	PHO
<b>Pegasus Health PHO - Sirius Programme: Electronic Medical Record Platform Implementation</b>	The Sirius Programme will deliver an alternative preferred 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.	Pegasus Board made decision in April 2017 to progress with Intrahealth and their extensive platform (including Profile PMS) as a preferred PMS provider / product. The PMS offering has been rebranded as Sirius and is now in final stages of testing. A pilot site is live and planning is underway for first full production implementation	Finalise testing and packaging for first full production release. Complete first production implementation. Roll into planned implementation cadence.	Aug-18	Transitioning language from a PMS to having an Electronic Medical Record (EMR) Platform. The Sirius service is much more than a PMS - it includes an infrastructure offering, and full implementation support.	Limited general practice support for changing to a new PMS if the new PMS isn't substantially better than incumbent or other offerings on the market.	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's expansion into other DHB regions has commenced with training under way for two practices in the Taranaki region. All practices are now using NES.	Implementation in two practices in Taranaki. Conversion of all practices to use the new ACC Snomed based ACC45 API. Testing by MoH of the electronic Special Authority integration.	Aug-18	Acceptance of indici as a credible alternative to other PMS products is growing, with many practices now actively planning to migrate to indici.	The project team continues to face challenges with undocumented changes in GP2GP.	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	A recommendation to take two vendors into a due diligence phase has been accepted by the Procare Board.	Due diligence project initiated, expected to be completed by Dec 2018. Engage with regional stakeholders (PHOs, DHBs, Health Alliance and MoH).	Dec-18	Continued alignment with the Northern Regional ISSP, Regional Community Collaborative Care project is being very actively pursued along with the work with the two shortlisted vendors to address the negotiating points and concerns raised by the Steering Group recommendation to the Board.	Limited general practice support for changing the PMS if a new PMS isn't substantially better than incumbent. Risk that unsuccessful vendors will attempt to undermine the recommendation with practices during implementation phase. Risk that none of the shortlisted vendors will be able to meet the	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 aligned to the Budget 2019 bid process.	Governance Group to review the proposed funding and business case process, confirm primary care commitment to the MOH proposed process and communicate and update the short listed EOI respondents.	Aug-18	Governance Group to confirm commitment to the business case process and agree resource requirements.	MoH funding for the NPCDS requires a Business Case and this may add significant delays. Vendor confidence in future procurement process may be damaged by delay and restart of process.	PHO
							Next Report due: 31 August 2018	

