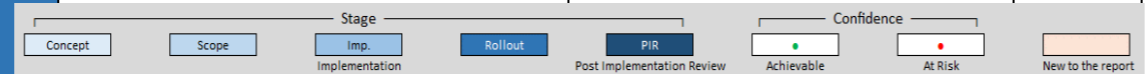


Digital Health Portfolio - August 2018

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Overall Comment This monthly report provides updates on key digital health initiatives. It is compiled from information provided by Ministry business units and health sector stakeholders.
Key points to note this month: the new Death Documents Online system continues to make good progress with the Funeral Directors release being showcased this month and over 500 clinicians registered to use the system; 678,231 patients have registered for a patient portal (June 2018), and 581 practices have implemented portals. 87 general practices have made clinical notes available to patients, and 69 practices have begun to use video conference for some patient consultations; the Northern Regional ISSP Roadmap V1 has been endorsed by the ISSP Steering Group and IS Governance Group; the National Child Health Information Platform (NCHIP) is operational at Waikato, Taranaki and Tairāwhiti DHBs and a NCHIP Business Case has been approved for rollout in Auckland, Waitemata and Northland DHBs; Hauora Tairāwhiti has approved requirements for transition to Midland Clinical Portal from June 2019; Pegasus Health PHO has their first full production site live with Sirius; Pinnacle Health PHO Indici system has been implemented in two practices in the Taranaki region, and at one practice in the Tairāwhiti region.
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.

Name	Description	Stage	Key progress	Next milestones	Milestone dates	Comments	Key risks and issues	Owner
MINISTRY OF HEALTH								
NZ Digital Health Strategy	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.	Sep-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
Death Documents Online	Enabling the medical certificate for cause of death to be carried out on line.	Imp.	MoH death documents data viewer is in production for Mortality and IDM team use. Work programme for HPI/NHI integration underway with first API developed. MoH hosted a showcase for Funeral Directors release. Take-up promoted at GP conference with strong interest.	Death Docs release for Funeral Director access. Issue communications to Medical Referees, and users of Funeral Director access and update MoH webpages. Confirm Evidence of Identity risk assessment. First build of Viewer release 2 in test. Complete MoH HIP/NHI API development.	Sep-18	Almost 500 clinicians across the country have registered for Death Documents and more than 750 Medical Certificates of Cause of Death online to date. This process improvement is a joint development between DIA and the Ministry of Health.	Poor take-up in the absence of significant sector engagement and primary and secondary care system integration. Inadequate Change Management resource and budget. Failure to leverage existing progress and capability to refine solution and extend to connected stakeholders.	MoH / DIA
National Health Information Platform (previously Electronic Health Record)	A health information platform (HIP) to give consumers, health care providers and planners access to health information across 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.	Sep-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 NIP, trust must be maintained. Momentum may be lost if the detailed business case stage is delayed.	MoH
National Bowel Screening Programme (NBSP) IT System	Implementation of a national bowel screening IT system, potentially taking a modular and reusable approach.	Imp.	The NSS Design Phase has progressed to deliver solution blueprint and documentation to a final draft state. The development of the NSS Build Phase contract documents is underway with the respective parties, completion now expected in September.	Review and finalise the NSS Design documentation including all solution blueprints in accordance with the programme's assurance processes. Complete all Build Phase negotiations ready for contract award at the end of the Design Phase, pending approval of the business case.	Design Phase: Sep-18	The business case approval and finalisation of NSS design, and negotiation of the build contract are occurring in parallel.	Delay in the approval of the NSS business case, completion of the design phase or contract negotiations could delay the NSS development and short term implementation timeframes.	MoH
			Interim IT Solution continues to support the National Coordination Centre and Waitemata, Hutt Valley, Wairarapa, Southern, Counties Manukau and Nelson Marlborough DHBs.	Work through enhancements to the solution and infrastructure.	Enhancements: Dec-18 DHBs on Feb-19			
Cervical Cancer Screening	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	Developing inputs for Better Business Case (BBC).	Draft BBC ready by early December 2018	Dec-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
National Maternity Record (NMR)	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.	The next iteration of NMR clinical systems changes will be available for users in September 2018. Women will be able to access their summary information from October 2018. Developing requirements for Midwives to operate remotely using iPads in 2018.	Sep-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
Newborn Hearing Information Management System (NHIMS)	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	Preparing a communication to DHBs regarding NHIMS implementation 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	Unknown implementation costs and other funding priorities have been a barrier for DHBs wanting to implement NHIMS	MoH



Next Report due: 30 September 2018

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Name	Description	Stage	Key progress	Next milestones	Milestone dates	Comments	Key risks and issues	Owner
DISTRICT HEALTH BOARDS								
Northern Region								
Northern Region ISSP and Regional Roadmap	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 regional review completed and updated. ISSP Programme Charter has been drafted and is being socialised within the region.	ISSP V2.0, Roadmap V1.0 and ISSP Programme Charter documents are being submitted for approval cycles in governance groups including the five boards in the coming months. Work on the Regional ISSP Roadmap V2.0 has commenced with kick-off meetings.	Sep-18	Business cases are being progressed 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
Northern Region Datacentre (IaaS)	Northern Region Datacentre (IaaS) is a foundational program 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 include migrations and detailed design activity for core enablers are progressing through review, endorsement and independent assurance stage in parallel. Formal variation to be completed as the requirement to prioritise service establishment while region completes workload placement has created delays.	Complete design, security assessment and commercials for workload assessment / placement planning activity prior to securing regional DHB board approval for business case with migration commitments. Complete formal project variation, detailed design and common transition planning to support service establishment in parallel to business case to make migration commitments.	Aug-18	IaaS contracts have been reviewed by DIA.	Regional board approval and MoH endorsement of the IaaS business case is a key critical path activity, requirement to complete workload placement planning prior to board approvals means a formal variation to the project is required. Service Establishment to be progressed in parallel to securing regional commitment to migrate existing workloads.	Northern region
National Child Health Information Platform (NCHIP)	NCHIP supports existing child health services in the Midlands and Northern regions. It captures and displays milestone data from a variety of disparate systems and presents it as a single unified dashboard. GPs, Well Child providers and Hospital Clinicians access the dashboard along with regional coordination services to ensure that 'no child misses out' when it comes to the 29 health check milestones monitored by the system.	Rollout	NCHIP is operational in the Midlands region, at Waikato, Taranaki and Tairāwhiti DHBs. Business Case approved for rollout in Auckland, Waitemata and Northland DHBs. High level design close to completion along with a Privacy Impact Assessment and specification for the Northern Region coordination services. Stakeholder engagement underway.	Complete and approve high level design. Prioritise integration and enhancement activities. Conclude SaaS negotiations with Orion Health.	Aug-18	High level of commitment from key stakeholders. Alignment between Midlands and Northern regions working well. Establishing National Governance group.	Sufficiency of capital budget to fund 'essential' enhancements for Northern Region. Establishing favourable SaaS terms with Orion Health	Northern Region
Midland Region								
Midland eSpace	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	Hauora Tairāwhiti has approved requirements for transition to MCP from June 2019 which includes moving to an Orion results capability for Tairāwhiti as a forerunner for the Regional Solution; final consultation is occurring for requirements sign off at Bay of Plenty. NZePS testing nearing completion. Executive Brief for Integration with St.John approved. Request for Information being constructed for Medicines.	eSPACE is commencing detailed current state discovery with Waikato and waiting to agree an appropriate time to engage Taranaki. Due diligence at Lakes will commence in 2019. Project Implementation Document (PID) due. Working towards a PID. Documentation required for sign off.	Dec-18 Nov-18 Dec-18 Oct-18	1. Lakes to update Healthviews to bring it into alignment with Waikato, as DXC licence support ends in June 2019. eSPACE will continue due diligence in lock-step with Waikato, with potentially full transition possible late 2019/early 2020. 2. Important to understand that all regional functionality will become available to all DHBs, if they choose to use it, with go live for Transition (Phase 2, Release 1.0) between June and October 2019. 3. A range of documentation is to be shared with MOH, including executive briefs and PID/Business Cases.	1. NZePS Whanau Tahī speed issues could be problematic for clinicians and poor performance could endanger eSPACE reputation. 2. Recruitment issues remain problematic.	Midland Region
Central Region								
Central Region Health Information Platform	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	Environments have been rationalised and this has helped reduce costs. RIS on-boarding for CCDHB is delayed due to performance issues during testing. These issues have been identified and fixes put in place. Re-testing taking place and decision being made by CCDHB on when on-boarding can commence. Orion Health WOF optimisation and upgrade recommendations have been scheduled. HBDHB demographics data has been migrated into CP ready for their on-boarding.	Continue HBDHB data migration. CCDHB to confirm timeframe for onboarding to Regional RIS. Recommendation on improvements to the Software Development Life Cycle environments to increase speed of delivery and reduce cost will be presented to CIO's on the 4th October. Recommendations on the Service/Support model to be presented to CIO's on the 4th October.	Sep-18	Good progress against new initiatives to improve the current platform. Single sign-on is being investigated for the main applications with recommendations being presented in October.	Regional service management process improvements identified as well as improvement needed with the DHB engagement. Recommendations will be presented in October.	Central Region
South Island Region								
South Island Patient Information Care System	The South Island Patient Information Care System (PICS) programme will deliver a new regional hospital patient management system for the South Island DHBs.	Rollout	A service pack has been successfully applied to address the remaining performance issue in SI PICS. The SI PICS Operational Governance Group meets formally for the first time in September. This group are the owners of the production SI PICS system, and will contain executives from NMDHB and CDHB at this stage, with subsequent DHB representation being added as DHBs are onboarded.	CDHB Phase 2 go-live has been rescheduled for October 5th, following an assessment of data migration, business readiness and reporting status.	Sep-18	The programme will continue to monitor and assess progress towards the go-live date before making the final decision to go live on 5 October.	Vendor capacity to deliver on schedule.	South Island
Regional Service Provider Index (RSPI)	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	CDHB made a request for alternative funding options to be evaluated. This exercise has been undertaken and completed. A briefing paper responding to the CDHB funding request circulated to the SI ALT members. Formal approval from CDHB is now required to progress to the next stage of the project. MoU development ongoing (SIA/MoH), financial information received from the MoH CFO on a proposal on how the asset depreciation can be managed. Design planning and project activities continuing.	Following formal approval of the Business Case recruitment is to commence for a programme manager & technical business analysts. Workshop to define a fixed price cost from IBM to be scheduled pending the recruitment of SI project resources. The project initiation and detailed planning sessions with the MoH team to be scheduled following the appointment of the IS SLA Project resources.	Sep-18	The delay in approving the Business Case will have an impact on the estimated programme delivery timeframe and is likely to push the go live dates into 2019.	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
National								
National Oracle Solution (NOS)	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 plan for the cabinet-requested updated business case for the programme is complete and has been provided to the Ministry of Health. Work is underway to develop the updated business case. The first four DHBs - Bay of Plenty, Canterbury, Waikato and West Coast - have been live on NOS for two months, with the programme providing support during this onboarding period.	Development of the updated Business Case for approval by DHBs and Cabinet by December with approval by end March	Dec-18	Added update: Since this report was written Health Minister David Clark has called for a review of NOS to decide on its future steps.	Completing the business case within the projected time and budget as well as DHB and Cabinet approval of the updated Business Case itself.	NZHP

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Name	Description	Stage	Key progress	Next milestones	Milestone dates	Comments	Key risks and issues	Owner
PRIMARY CARE								
Patient Portals and Video Conferencing in practices	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	678,231 patients have now registered for a portal, as of June 2018, 15 percent of enrolled patients in NZ and 581 practices have implemented portals, 61 percent of general practices. 87 general practices have made clinical notes available to patients. 69 general practices are using video conference for consultations.	The Telehealth Leadership Group will work with PHOs, practices and the RNZCGPs to create guidelines and templates to support uptake of video conferencing for patient consultations.	Nov-18	The Primary Health Organisations continue to drive patient portal utilisation.	Practices do not make portals available and benefits to patients and practices are not achieved.	GPNZ
NZ ePrescription Service (NZePS)	NZePS enables the electronic exchange of prescription and dispensing information between general practices, residential care facilities, hospitals and community pharmacies.	Rollout	NZePS is being used by 106 GP practices in August up from 92 in June 2018. 52 percent of all ePrescriptions issued at practices were scanned at pharmacies, up from 46 percent in June 2018. 62 practices have Ministry approval to issue NZePS Controlled Drugs, up from 56 in June 2018 and 31 in Dec 2017. 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
Lower North Island PHOs Patient Management System Review	Identification of improved primary care patient management system for lower North Island PHOs: Compass, Te Awakairangi and Central.	Scope	The contract with Valentia has been signed. Planning for the migration of the first practices is underway.	Working towards switching the SEHR to Indici for a late September go live date, and checking all local integration is working (eg, Laboratories,).	Sep-18	DHBs (Capital and Coast, Hutt Valley, Wairarapa and Mid Central) are supportive of the move to the Indici SEHR and have prioritised key staff to ensure a late September go live.	1. Key integrations will be ready for a potential October go live for the PMS. 2. Early adopter practices take longer to switch over to Indici than estimated.	PHO
Compass Health GP Access to CCDHB Clinical Information	Providing GP teams with one click access to patient information in CCDHB hospital information systems (Concerto).	Scope	472 clinicians confirmed with concerto access, another 5 awaiting setup	Continued engagement with Practices who have not requested concerto access for any of their clinicians. Solution for Concerto access with the Indici PMS.	Sep-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
Pegasus Health PHO - Sirius Programme: Electronic Medical Record Platform Implementation	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.	First full production site now live with Sirius. Full schedule of implementations planned for 2018.	First production release of Patient Portal. Ongoing implementations with member practices.	Oct-18	The Sirius service is much more than a PMS - it includes an infrastructure offering, and full implementation support.	Limited / unquantified interest from GPs in moving to a new PMS due to significant change effort and variable understanding of value proposition. Increased practice demand could impact timely delivery.	PHO
Pinnacle Health PHO Indici Implementation	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 has been implemented successfully in two practices in the Taranaki region, and at one practice in the Tairāwhiti region.	Ongoing implementations across the Midlands regions. Conversion of all practices to use the new ACC Snomed based ACC45 API. Finalisation of testing by MoH of the electronic Special Authority integration.	Sep-18	At the recent GPCME conference in Christchurch, significant Interest was shown by GPs and practice staff from GP practices across the entire country.	The project team continues to face challenges with undocumented changes in GP2GP.	PHO
ProCare PHO Patient Management System review	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 the shortlisted vendors will not be able to meet the requirements and be affordable. Concerns that the timeframe and procurement process for the regional RCCC project could disrupt our process.	PHO
Primary Care Data Service	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 develop business case and budget 2019 bid.	Dec-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: 30 September 2018
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