Digital Health Portfolio - April 2019
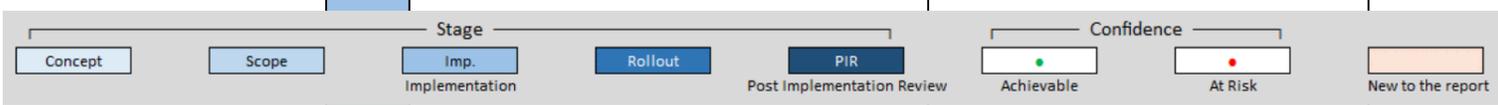
Overall Comment	**This monthly report provides updates on key digital health initiatives.** It is compiled from information provided by Ministry business units and health sector stakeholders.
	Key points to note this month: A Request for Proposal was released to the market for the Hospital Administration Replacement Project (HARP) this month with a closing date of 29 May 2019; a Memorandum of Understanding between the South Island Alliance and Ministry of Health has been finalised and approvals completed for the Regional Service Provider Index (RSPI); the Sirius Care Patient Portal (Pegasus PHO) is now live; Indici Patient Management System is live in 15 general practices and 43 Allied health services across the Midlands 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. The Cervical Cancer Screening and Newborn Hearing Information Management System (NHIMS) initiatives and the Northern Region ISSP and Road Map have been removed from the report this month.

Name	Description	Stage	Key progress	Next milestones	Milestone dates	Comments	Key risks and issues	Owner
NATIONAL								
NZ Digital Health Strategic Framework	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.	Imp.	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.	Jun-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.	Implementation requires agency investment and implementation plans guided by measuring progress towards strategic objectives and strong governance and monitoring.	MoH
National Health Information Platform	A national health information platform (nHIP) to give consumers, health care providers and planners access to health information across sector systems.	Scope	Cabinet paper awaits 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.	Jun-19	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 nHIP.	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 National Screening Solution (NSS) completed the planning activities to support the build phase. During April the project completed the build of the technical environments to configure the NSS onto and developed the first tranche of system functionality.	Complete the build of the remaining system functionaity prior to entering into the formal testing activities.	NSS-Go-live: October 2019	The NSS delivery project is now fully mobilised in support of the objective to provide an operational screening solution capable of supporting the fully deployed NBSP. Testing of the final tranche of enhancements has been completed. An upgrade to supporting infrastructure is required to support the release and will be deployed in May.	The delivery of the NSS is a critical enabler for the NBSP meeting its target of screening nationally by June 2021. Focus on delivering the NSS in a timely fashion whilst maintaining an emphasis on quality, that underpins clinical safety is the key challenge.	MoH
			Interim IT Solution continues to support the National Coordination Centre and Waitemata, Hutt Valley, Wairarapa, Southern, Counties Manukau and Nelson Marlborough and Lakes DHBs.	Complete the final tranche of enhancements to the solution and infrastructure.	Enhancements: May 2019			
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	14 percent of all general practices are now generating e-Scripts and 9 percent are authorised to produce e-Scripts for controlled drugs. 69 percent of all commnuity pharmacies are scanning eScripts. Community dispensing data is now provided real-time for hospitals across the central and midland region. This service will be expanded to other regions and services. Testing is in the final stages for a pilot with addiction services to significantly improve the prescribing and dispensing processes for their clients.	Continue engagement with DHBs / PHOs and GP practices to promote uptake. Review the Misuse of Drugs Act regulations to support further change and take up of medicines management digital services. Continue to find opportunities to further enhance the service.	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.\n\nNZePS provides community dispensed data to health professionals for clinical purposes, such as medicines reconciliation and adherence services.	Concerns about cost and functionality may mean rollout is slower than planned with potential impact on budget. Lack of visibility of roadmap for the development of the service towards a My List of Medicines and paperless prescribing. Current medicines leglislation and regulations do not support electronic prescribing. This has slowed the enhancement of the services Viability of some software vendors, means that funding to improve and enhance the services are slow to deliver	DHBs
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 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 Ministry is completing a review on the future direction of Maternity systems; this includes the NMR. Development of iPads for community midwifery is well underway with the first release due in June 2019.	The next iteration of NMR clinical system will be available for users in June 2019. Develop a strategy for sharing pregnancy information with Well Child Tamariki Ora providers. Analyis to support the maternity system review has been extended to allow more time for DHB response and will be completed in April 2019.	Jun-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.	Women are now presenting to DHB's with digital notes on their devices. Discussion with DHB coordinators planned in April to mitigate this risk.	MoH
Health Finance Procurement and Information Management System	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.	Imp.	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.	Cabinet will consider the future of the programme in May 2019.	May-19	Health Minister David Clark has called for a revised business case.	A protracted approvals process would delay required risk mitigation work on the IT infrastructure of a number of DHBs.	NZHP
National Immunisation Register	Two core components of the National Immunisation Register (NIR) are to be upgraded to provide stability and system improvements.	Scope	Ministry funding has been approved to do partial product upgrades to maintain the existing NIR and to add Vaccination History to ImmuniseNow Project teams have been formed. Analysis on making the technical changes for ImmuniseNow underway.	Upgrades to the NIR are scheduled to begin from 1 May.	May-19	Due to the age and bespoke nature of the NIR only two of the three components can be upgraded: Rhapsody and Concerto. Vaccination History is planned to be completed by end of May 2019.	The 2020 Schedule changes will become a dependency once the upgrades to the NIR begin.	MoH
National Health Index (NHI) - Health Provider Index (HPI)	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.	Imp.	Business cases approved.	Complete initiation phase activities - solution architecture, data modelling, migration strategy, implemention planning.	May-19	Project team formation underway. HPI activities will be progressed in collaboration with South Island Alliance (SIA). Cloud hosting options will be considered, involving new tools and capabilities if progress goes in that direction.	Complexity of moving critical national systems while maintaining continuity of service provision. Significant sector testing will be required for the NHI upgrade. New HPI capabilities may not be fully leveraged by the sector resulting in potential investment duplication.	MoH

Stage

Concept	Scope	Imp. Implementation	Rollout	PIR Post Implementation Review

Confidence

Achievable	At Risk	New to the report

Digital Health Portfolio - April 2019

Name	Description	Stage	Key progress	Next milestones	Milestone dates	Comments	Key risks and issues	Owner
DISTRICT HEALTH BOARDS								
Northern Region								
Northern Region Datacentre (IaaS)	Northern Region Datacentre (IaaS) is a foundational programe 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	Good progress with Design Phase (5 key artefacts) - with approvals-in-principal from Programme Steering Group (PSG) subject to KPMG technical review. Workload Discover and Cloud Placement (WDCP) approach revised to support prioritisation of applications/workloads and to get guidance from PSG. WDHB requested Counterfactual Review. MoH endorsement for CMH of regional business case received Dec18 and is being closed out with CMH. IaaS approvals and key decisions have been impacted by the DHB Affordability Review process which is now in its second round, looking at 0% and 3% cost uplift scenarios.	The DHB Affordability Review - second round- to be completed including an options analysis to reduce costs within the affordability limits. Service Establishment - PAA signing. Migration - WDCP Recommendation. Migration - Instillery Review of BC Counterfactual. Migration - Business Case Update Migration - Business Case Approval by WDHB & CMH	May-19	Progress against the plan has been impacted by the delays experienced to complete the Conterfactual review, and to complete the affodability analysis, and the cost reduction analysis and negotiations.	DHB affordability review in progress to assess options and priorities. MoH endorsement for CMH received on the condition that the spend is within existing approved CMH budget, There is a Risk that outcomes from commercial review and/or WDCP could trigger material scope change. hA PAA delayed due to MoH / Treasury approval of Finance Lease, WDHB business case approval outstanding , WDCP report now delivered and to be endorsed though governance, Counterfactual draft report review on-going.	Northern region
Hospital Adminstration Replacement Project (HARP)	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 was released to market via GETS, and includes current and future environment, an overarching Master Services Agreement, Statement of Work #001, and functional and non-functional requirements. The supplier briefings were well attended. The Steering Committee has approved the Sourcing Strategy as well as the overall evaluation criteria and weightings. The RFP is on the market until the 29th of May 2019.	Core Evaluation Team will evaluate the RFP responses and release a recommendation for the Proof of Concept (PoC) shortlist on the 25th of July 2019. Development of the POC framework and use cases and the site visit planning is underway. Formal writing of the Single Stage Business Case has commenced and will be submitted to the Ministry of Health by December 2019.	Jul-19	The RFP has been well received by the market with engagement from local, regional and international Suppliers. The local and regional approval process for the SSBC could take up to three months before submission to MoH. Change controls to utilise part of the contingency have been approved by Steerco.	Risks and issues are under control.	ADHB
Regional Collaborative, Community Care (RCCC)	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	Procurement timeline secured. Feasibility and design timeframes and resource workup advanced as is planning for implementation resources for Single Stage Business Case (SSBC) lab scenarios. The RCCC RFP closed December 2018. Responses released for evaluation. Lab scenario documentation and business process decomposition continues and seeking confirmation of funding.	The DHB Affordability Review to be completed including an options analysis to reduce costs within the affordability limits. - Request for Proposal evaluations complete. - Evaluation Report Prepared. - Preferred Supplier Selection Report Submitted & Endorsed by ISSP PSG.	May-19	The overall status of the programme is rated as 'Amber' due to scale and complexity of the Programme.	DHB affordability review in progress. Scope confirmed regarding Data Sharing Interoperability and Identity Access Management. Finalising the governance. Discussions with the MoH to confirm the Business Case model with multiple revisits to agreed process and dependant on a preferred vendor being identified for CCC, HIP and IAM. Reference Architecture is not available until April.	Northern region - (hA/NDHB Led)
National Child Health Information Platform (NCHIP)	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, used at Waikato, Taranaki and Tairawhiti DHBs, will be rolled out to Auckland, Waitemata and Northland DHBs. SaaS Agreement and SoW with Orion Health signed, enhancements to NCHIP underway. Content of various data share agreements are being agreed in the context of the Privacy Impact Assessment. Specifications for the services provided by the NCHIP Coordination hub are agreed and the process of defining operation practices is underway. Development of functional enhancements are proceeding. First regional data feeds are being fed into the application. PIA approved.	Monitor development work underway by Orion Health, Pinnacle Midland Health Network and healthAlliance and finalise data share agreements with the healthcare services providing data to NCHIP. Design the operational processes for the NCHIP coordination services and begin extracting NCHIP data from the various source systems.	May-19	Review of the NCHIP application have identified significant gaps in the functionality being delivered. Timeframes for addressing these gaps cannot be accommodated within the project's current budget and timeframe. Alternative strategies are being considered. Meanwhile other project deliverables are progesssing well, particularly the data extracts from source systems and finalisation of the various data share agreements.	- Careful management of development process and timeframes. - Alignment of Northern Region requirements with functional enhancements and operational imperatives. - Level of effort required to turn NCHIP into a national solution.	Northern Region
Midland Region								
Midland Clinical Portal	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.	Planning sessions underway to confirm scheduled deployment dates. This work is expected to be completed in May for agreement by Programme Board. Development is underway and testing initiated 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.	May -19	Regional functionality will become available and implemented first into a production environment at Haurora Tairāwhiti followed by Bay of Plenty DHB.	Schedule is extensively behind the baseline dates with a revision close to completion. Recruitment issues remain problematic and are now being reported as an "extreme" issue.	Midland Region
			Eight vendors responded to the Registration of Interest for an electronic Midland medicines management solution. A clinical assessment review team shortlisted three vendors on 27 March 2019.	Decision Request with Programme Board required whether to progress to closed RFP, Proof of Concept, and Business Case creation.	May -19		No issues or risks to raise	
			St Johns Ambulance integration to MCP is now on hold due to industrial action and government funding issues.	On hold - waiting on direction once issues addressed.	May -19		Due to issue with St Johns availability and provision of API for testing unable to progress	
			User Acceptance Testing for NZePS integration completed. Deployment actvities in progress.	Expect to implement NZePS at Waikato DHB by end of May. Resolve IE8 issues to align with MCP, Sept 2019.	May -19		Delays due to IE8 browser issues at most DHBs.	
Central Region								
Regional Digital Health Services	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	Regional RIS platform progressing with upgrade and tracking to completion in June 2019. Capital & Coast will onboard in August 2019, and Hutt Valley towards end of 2019. Hawkes Bay DHB progressing to onboard in 2019, however the expected date of May 2019 has slipped and re-baselining currently underway. Regional webPAS upgrades for NCAMP19 compliance is progressing on schedule.	Service Delivery Partner (SDP) resources are now approved to co-locate from CCDHB to TAS. This is the first of a two-step phase to manage these resources under a new operating model within TAS. Progress continues with the IaaS partner to streamline the existing Software Delivery Lifecycle and simplify the number of current environments. Working with Microsoft to develop a migration path and ROI model for moving workloads to public cloud. Investigating better storage methods for the increasing amount of radiology	May-19	All projects are in-flight and progressing as planned. Meeting held in March with CR CEs achieved an endorsement to continue developing the regional platform and applications environment.	1. Regional service delivery, operations and support require further improvement. 2. Principles of funding model to be agreed and implemented. 3. Clinical governance and working groups to be formalised. 4. ToR for each of these groups being developed 5. First re-worked draft of regional SLAs completed	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	Continuing to improve quality/usability issues including adding mandatory fields and six software changes into upcoming development releases to address usability and data validation issues. Regional Ministry Extract work is proceeding, but remains challenging. The programme is considering processes to define the future functionality for development.	WCDHB implementation scheduled to commence during 2019/2020. SCDHB to progress a gap analysis between the home grown Health Information Exchange solution and SIPICS to inform implementation timeframe. SDHB have indicated they will commence implementation work in 2020.	May-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.	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	The MoU between the South Island Alliance and Ministry of Health has been finalised and approvals completed. On-going development of initiation and planning documents is continuing.	Validation of processes and requirements to continue. Joint project goverance meetings to commence. Baseline project timelines to be finalised. IBM training scheduled for end of May.	May-19	Key risks and issues currently being reviewed by the project teams.	Lack of a provider index impacts the progress of several key regional programmes such as eReferrals, SI PICS and Health Connect South.	South Island

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Period to 30 April 2019

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	As of December 2018, 790,524 patients, or 17.2 percent of enrolled patients in NZ had registered to use a patient portal; and 610 practices (63 percent of general practices) have implemented portals. 86 general practices have made clinical notes available to patients and 21 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.	Jun-19	Primary Health Organisations continue to drive patient portal uptake.	Remaining practices do not make portals available and benefits to patients and practices are not achieved.	GPNZ
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.	Imp.	The Indici SEHR went live in the 3DHB regions in December. At Go Live there were 74 practices on the Indici SEHR across the 3DHB regions or 92% of the enrolled population. Nine practices are now live on the Indici PMS, one in Te Awakarangi Network, three in Central PHO and five in Tū Ora Compass Health.	Another four to five practices are expected to Go Live by the end of June across the 3 PHOs.	Jun-19	DHBs (Capital and Coast, Hutt Valley, Wairarapa and Mid Central) are supportive of the move to the Indici SEHR.	Issue with MedTech compression algorithm making some patient records unreadable in Indici.	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).	Imp.	551 clinicians confirmed with Concerto access.	Continued engagement with practices who have not requested Concerto access for their clinicians. Continued deployment of the new Conporto solution across the 3DHB region. Conporto has a limited view of Hutt and Wairarapa DHB Concerto systems available. This will grow in the next few months and CCDHB data will be added shortly.	Jun-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.	Using the current advanced form solution, 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.	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		Some update notifications from MOH/ACC are not reaching product vendor.	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 now rolled out to 15 GP practices and 43 Allied health services across the Midlands Region. Electronic Prescribing System (EPS) implementation is completed for 12 GP practices and 3 practices have chosen to postpone implementation. Broad rollout of ACC45 direct SNOMED API is progressing well, with 7 practices implemented.	Ongoing testing of new care planning tool. Ongoing testing virtual (video) consultation processes. Rollout to two new GP practices.	Jun-19	Ongoing rollout is now treated as business as usual.	Migration of existing HEalthLink EDI addresses for use by indici continues to be a risk.	PHO
ProCare PHO Patient Management System review	Identification of primary care practice management system recommendation to the ProCare network of 170 practices.	Scope	Project has been divided into PMS implementation in practices and PHO infrastructure upgrade as two separate projects. First phase of PMS implementation - pilot with 3 practices has been kicked off. Scoping of PHO infrastructure upgrade is underway.	Complete negotiations with preferred vendor. Engage with pilot practices for PMS implementation. Define PHO upgrade requirements	May 19 May 19 Jun 19	Project manager appointed for both projects. Steering group being reconstituted. Practice readiness assessments getting underway.	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. 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.	May-19	Due to resource constraints in the primary care team the business case process has been delayed.	Sector confidence in future procurement process may be damaged due to the delays.	PHO

Next Report due: 31 May 2019

Stage: Concept | Scope | Imp. (Implementation) | Rollout | PIR (Post Implementation Review)

Confidence: ● Achievable | ● At Risk | New to the report