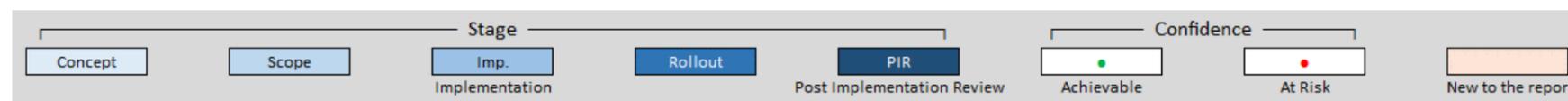| Overall Comment	**This monthly report provides updates on key digital health initiatives.** It is compiled from information provided by Ministry business units and health sector stakeholders. **Key points to note this month:** The National Screening Solution build of the core solution is now complete and testing is expected to complete in February 2020; The Auckland DHB Hospital Adminstration Replacement Project (HARP) plan to complete negotiations for a replacement system in December 2019; ProCare PHO has approved a business case to replace core PHO systems with products that will add functionality and integrate well with primary care patient management systems (PMS). **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 next report will cover the period December 2019 to January 2020.

Name	Description	Stage	Key progress	Next milestones	Milestone dates	Comments	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.	The Digital Health Strategic Framework (draft) has been published on the Ministrys website. Continued to advance work aligned to delivery of enablers. Strong alignment to the national health information platform business case development.	Interim Digital Investment to validate the framework, priorities and implementation approach. Continuation of engagement with the sector to align investment and implementation plans.	Feb-20	Approach is to establish enablers and align Ministry and agency investments, encouraging an agile approach and sector innovation.	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 approved the development of a case for investment for nHIP on 2 September, and allocated funding for the business case phase. Development of the business case is in progress.	Development of the Programme Business Case to be presented for Gateway review in January 2020. The business case is expected to be presented back to Cabinet February 2020.	Dec-19	Cabinet date in early-2020 is dependent on Cabinet schedule.	MoH
National Bowel Screening Programme (NBSP) IT System	Implementation of a national bowel screening IT system, while taking a modular and reusable approach to support other population health initiatives.	Imp.	The National Screening Solution (NSS) build of the core solution is now complete. Testing started on schedule at the start of October. Testing is now expected to complete in mid February. A training curriculum is under development.	Items of scope identified during testing have been put into the backlog list, to be implemented after go-live . Completion of all phases of testing is a key focus, along with completing operational readiness activities.	NSS-Go-live: March 2020	Testing is now the focus for the upcoming reporting period. The delivery of the NSS is a critical enabler for the NBSP meeting its target of screening nationally by June 2021.	MoH
			Interim IT Solution continues to support the National Coordination Centre and Waitemata, Hutt Valley, Wairarapa, Southern, Counties Manukau, Whanganui, MidCentral, Nelson Marlborough and Lakes DHBs.	Maintain the solution ahead of migration to NSS.	NA		
HIMSS Digital Maturity Assessment	The Ministry is funding the HIMSS Digital Maturity Assessment for all DHBs over 2019/2020 and 2020/2021. Each DHB will undertake four different assessments – EMRAM, O-EMRAM, CCMM and INFRAM. The CCMM assessments cover four different settings in the health sector hospital, primary care,	Imp / Rollout	Assessments will be undertaken in ten DHB's in 2019/2020. Southern, MidCentral, Canterbury, West Coast and Counties Manukau DHBs have been assessed. Planning is underway for another 5 assessments before July 2020. We have confirmed Bay of Plenty DHB and are waiting for confirmation from another three DHBs.	Confirmation of next five DHB's to be assessed by July 2020	Feb-20	The assessment results will provide DHBs with information to support the creation of an action plan that can be used to lift their digital maturity. Results of the assessments will be provided to the DHBs and will not be published.	MoH
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	The uptake of NZePS continues to grow and several pilots are underway to streamline prescribing processes and add value to NZePS. **1. Piloting new models for community medicines management -** Opioid Substitution pilot: DHBs are interested in being involved in this pilot including CCDHB. Signature Exempt and Aged Residential Care Electronic Charting pilots are progressing well. **2. Systems Integrating to NZePS -**Most general practice and pharmacy management systems are certified for ePrescribing and two private hospital systems are in discussion to integrate for discharge and outpatient prescribing. Secondary/tertiary services interested in integrating are invited to put their names forward. **3. Medicines Data Access -** Northern, Midlands and SI and 3DHBs access community dispensed medications data for medicines reconcilliation. Work underway on providing DHBs with DHB/Regional level access. Data quality issues reported by Midlands are being investigated. Talking with Corrections and IHC on enabling access for medicines reconcilliation.	Addiction Services pilot to commence at CCDHB. Extend the Aged Residential Care charting pilot to another region outside Wairarapa. Evaluate Phase One Signature Exempt pilot. Review plan to extend to more Practices as well as including another vendor system and PHO. Continue the Electronic Controlled Drug Register Pilots. Release of the updated CDA Toolkit for an integration (API) that will do away with the need for a client side adapter and digital certificates for NZePS integration.	Jan-20	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

Project	Description	Stage	Progress this period	Next period	Target date	Further detail	Owner
National Maternity Record (NMR)	The National Maternity Record (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 NMR currently holds information from those hospitals and the community that use the Clevermed BadgerNet system. Maternity systems used by DHBs must comply with HISO standards. From early 2021, the NMR will be able to start collecting Maternity information. The information will be based on the Maternity HISO standard and will include hospitals and community providers that do not use the Clevermed BadgerNet system.	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 maternity team is following on from the recent stocktake of the maternity systems DHBs use to agree a strategy and a way forward for their maternity systems. The Maternity BadgerNet system will transition to the BadgerNet Global platfrom which is due for completion in September/October 2020. A shift from desktop to iPads will be available from early 2020 initially to community midwives. The interim Maternity care summary standard was approved by HISO at their November forum.	The next iteration of current Clevermed BadgerNet clinical system will be available for users in December 2019. The transiton to the BadgerNet Global platform (the UK product) is underway with the data mapping exercise due to be completed early 2020. The first phase of the interoperability booking standard project went live at Counties Manukau DHB early August. Midcentral and Tairāwhiti DHBs have indicated they will implement the interface early 2020.	Jan-20	Current users of the BadgerNet Platform are: Counties Manukau DHB – Maternity (MCIS) Mid-Central DHB – Maternity (MCIS) & Neonatal (NCIS) Tairawhiti DHB – Maternity (MCIS) & New Born Hearing Screening (NHMIS) – NZ feature only Capital & Coast DHB – Neonatal (NCIS) Midwifery and Maternity Provider Organisation (MMPO) – Maternity (MIS) - Community Provider 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
Health Finance Procurement and Information Management System	The Health Finance, Procurement and Information Management System Programme (FPIM) led by the Ministry of Health and delivered by NZ Health Partnerships (NZHP), will design and build the IT infrastructure and applications to meet DHB finance, procurement and supply chain needs. Four DHBs are currently using the FPIM Oracle application, and a further seven DHBs have committed to implement the solution over 2020 and 2021. The programme will also deliver a national product and services catalogue to support purchasing, a standard national chart of accounts, and a data warehouse and anlytical capability to support procurement and supply chain efficiencies and improvements. All 20 DHBs have committed to using the national catalogue, chart of accounts and data hub.	Imp.	The first Quality Assurance check between Oracle and NZHP was held in the first week of October with the contract for the remaining environment build approved. Continue to see good results with a further drop of incidents that could impact DHB operations. The Service team is on track to deliver key customer requested enhancements prior to Christmas. A National Catalogue Working Group, representing a cross-section of healthcare stakeholders has been established to help inform the high level design to inform a National Catalogue single stage business case.	Final handover of the Development Environment. Workshops to be held during November with our customers, the DHBs, that will be using the FPIM Oracle solution.	Dec-19	The Development Environment is the first of seven 'technical environments' that collectively constitute the National Technical Service (NTS) infrastructure on which the FPIM Oracle solution will reside. Time pressure remains on all three workstreams. However, recruitment has continued across the programme and service with more than 31 roles recruited since 1 July 2019 and this has contributed to milestones continuing to be met.	NZHP
National Immunisation Register (NIR)	Upgrade of two core components of the National Immunisation Register (NIR) to maintain the NIR and provide stability and system improvements.	Imp.	The upgrades to the NIR have encountered additional errors during UAT. These are being worked on and once fixed will be redeployed to UAT for testing. On 30 October 2019, Associate Minister Julie Anne Genter announced community pharmacists will soon be able to deliver MMR vaccinations under a new programme. To support this, ImmuniseNow was successfully updated on 1 November to enable Pharmacist vaccinators to record the MMR vaccinations for those aged 16 and over on the NIR.	Once the testing to UAT is complete the updates will be redeployed to the training environment. If successful they will then be deployed to production.	Dec-19	The deployment of the upgrades has taken longer than planned. The delay is necessary to ensure the upgrades will work as expected in the production environments.	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.	A Proof of Concept to determine hosting arrangements has been completed and a decision made to host the Development and Testing environments in Amazon Web Services. Development activities are now in progress.	Complete set-up of new infrastructure environments and release HPI read-only services to test.	Mar-20	HPI activities are being progressed in collaboration with South Island Alliance (SIA).	MoH

Stage

Concept	Scope	Imp. Implementation	Rollout	PIR Post Implementation Review

Confidence

● Achievable	● At Risk	New to the report

Next Report due 31 January 2020

Digital Health Portfolio - November 2019

Name	Description	Stage	Key progress	Next milestones	Milestone dates	Comments	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	The Affordability Review has now been signed off by all regional Boards and the MoH condition of affordability has been met. **Service Establishment:** The execution of the Service Establishment Participating Agency Agreement (PAA) was completed by early June, 2019. The Service Establishment phase has now been scheduled to go-live in February 2020 (this is 7 months later than the previously planned date of 30 July 2019) due to delays in the Revera recertification. A Revera commissioned independent review of the IaaS is currently underway. **Migration of Workloads:** It was anticipated that the Business Case would be approved by the remaining DHB Boards (CMH and WDHB) in October/November 2019. Due to Revera losing its DIA accreditation in August the remediation work is well underway in order for DIA re-certification in early 2020. Aligning to the DIA recertification audit has pushed out the expected revised business case approval and contract execution date to March/April 2020.	Revera Reaccreditation issued by DIA (required to sign off Business Case and contractuals). Migration Business Case approval by WDHB & CMH (subject to Revera reaccreditation from DIA)	Feb/Mar 2020	Progress against the plan was orginally impacted by the delays experienced to complete the Conterfactual review, to complete the affodability analysis and the cost reduction analysis and negotiations. This was further compounded by Revera losing its DIA accrediation in August 2019. Work is underway to remediate the issues raised and a reaccreditation audit will take place early Q3 aimed. The progression of Service Establishment and the Migration Business Case is dependent on Revera being reaccredited.	Northern region
Hospital Adminstration Replacement Project (HARP)	HARP is seeking to replace the bespoke, dated Patient Administration Systems (PAS) at ADHB with a modern and fit for purpose Commercial off the Shelf solution. HARP is an ADHB project but is also aligned with the wider Northern Region Information System Strategic Programme (ISSP).	Scope	Two Suppliers were invited to submit Best and Final Offers at the completion of the Lab and Site Visit phase. Following a robust selection process a Preferred Supplier was selected with the second Supplier selected as an Alternate Supplier if a negotiated contract could not be reached. Negotiations commenced on 26 November and are planned to finish on 13 December. Respective legal teams will then finalise the Master Services Agreement and underlying Statement of Works for a final end to end review in the week commencing 20 January 2020. In parallel the Single Stage Business Case (SSBC) will be completed based on the finalised negotiated contract and commercial terms and will then undergo independent assurance with PwC.	End to end review of the Master Services Agreement and Statement of Works by 21 January 2020. SSBC independent assurance early January 2020. SSBC endorsed by the HARP Steering Committee 30 January 2020.	Jan-20		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	hA Board have approved the Business Case as has Northland DHB Board. Reference checks and review of due diligence completed. 'Business Case updated to include final vendor and financials at MoH request. RCCC Business Case submitted for Ministry of Health and the Capital Investment Committee approval.	Await approval and begin the design and negotiation stage.	Feb-19	The overall status of the programme is rated as 'Light Red' due to scale and complexity of the Programme, delays in procurement activity and MoH requirements to include the final vendor and pricing before submission to CIC. The Business Case has undergone significant rework to fit in with the Affordability Review cost parameters.	Northern region (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 to be rolled out to Auckland, Waitemata and Northland DHBs. SaaS Agreement and SoW with Orion Health has been signed. Enhancements to NCHIP functionality have been delivered and UAT completed. Data feeds tested in pre-production environment. Back loading of child health data has commenced into the production system. Coordination services being established in Northland and Auckland. All data sharing agreements have been signed off. Prioritisation of next set of enhancements has commenced. Data quality testing completed.	Continue backload of child health data and initiate daily feeds. Coordination services commence work.	Dec-19	Concerns with loading of CMH data has meant that their data will not be back loaded into NCHIP. Identified that Ara Whanui data not being loaded into NCHIP for Midlands region. Now looking to establish that feed. Consistency of data from feeder systems remains a challenge.	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 (BC) have now been approved by all five Midland DHBs and MoH: Business Case 1 - MCP 2.1.0 Technical Enablers. Business Case 2 - MCP 2.1.1 Delivery of regional functionality, including the transition of Hauora Tairāwhiti on to the MCP. Business Case 3 - MCP 2.1.2 Development of regional functionality, including the transition of Bay of Plenty DHB on to the MCP.	Development is underway across all business cases and testing underway for MCP 2.1.0. Development and testing underway for MCP 2.1.1 and MCP 2.1.2. Transformation and change work underway. Schedules under pressure due to complexities and resource constraints - being managed to meet milestone dates.	Jul-20 Jul-20 Sep-20	Regional functionality will become available and implemented first into a production environment at Haurora Tairāwhiti (Go Live 27July2020) followed by Bay of Plenty DHB (Go Live 28Sept2020).	Midland Region
			Medicines Management (ePA) BC has been completed being reviewed internally.	BC to go to the CEO Governance Group for approval in Jan 2020. If approved, submitted to MoH in February.	Jan-20		
			Lakes DHB transition to Midland Clinical Portal BC completed and under review with Lakes DHB.	Agree BC with Midland Region governance Feb 2020. Then to MoH for approval. Initiate development Feb/Mar 2020.	Feb-20		
			Mental Health & Addiction Services (region) BC completed and under review with Lakes DHB.	Agree BC with Midland Region governance Feb 2020. Then to MoH for approval. Initiate development Feb/Mar 2020.	Feb-20		
			Waikato MCP Transition requirements and analysis work is underway.	Complete requirements work to build BC. Confirm commitment to May time frame with Waikato DHB.	May-20		
			Regional Results and eOrders planning and stakeholder eneagagement and site and reference review activity underway to validate product choice.	Confirm requirements, confirm Results and eOrders product choice, build implementation BC.	Jun-20		
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	Progress to on-board Capital & Coast on regional RIS has been delayed due to CCDHB resource constraints. Hawkes Bay DHB has completed final on-boarding sequence and is now live on the regional Clinical Portal. Regional webPAS upgrade to 10.14 for NCAMP19 compliance is delayed due to DHBs local resource constraints. Efforts to assist DHBs address these constraints are in progress and the project is expected to deliver 10.14 to UAT in Oct 2019 as planned.	Planning for Hawkes Bay to on-board to regional RIS has begun, with a completion date forecast for Feb 2020. Continue planning for Hutt Valley to on-board to regional RIS. Continue planning for regional PACs Archive migration to public cloud to address the costs of storage, accessibilty and business requirements. Re-pricing existing AoG IaaS platform continues. The new model of consumption and utilisation is proposed to have positive impact on costs and availability.	Dec-19	The delivery of regional webPAS 10.14 version is progressing against plan. There is risk however that the lowest resourced DHB may be forced to implement without completing local testing. Regional assistance being provided to attempt to mitigate. Other FY2019/20 work is progressing however a significant refresh of regional digital strategy is commencing which will likely result in a significant re-think of Central Regional strategy.	Central Region
South Island Region							

Digital Health Portfolio - November 2019

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**	The roadmap to deliver the regional extracts has been developed and delivered to the programme teams. The PRIMHD extract continues to be worked on closely with Nelson Marlborough Health. The programme has recruited against the remaining Functionality Design position. South Canterbury DHB business case has been completed. SCDHB have expressed a desire to commence implementation planning.	Programme schedule agreed and implementation activity for the remaining three DHBs identified. West Coast DHB is currently exploring providing data to the shared warehouse ahead of a SI PICS implementation. Southern DHB business case has been reviewed by the MoH and the DHB are working through the feedback with support from the regional team.	Dec-19	Key risks and issues currently being reviewed by the project teams.	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 programme has recruited against the technical business analyst position. The analysts from SIA and Minstry are working jointly on the detail for the business requirements, this has resulted in simplifying the approach to implementation of the extensions, reducing the complexity for teams and service.	Completion of detailed Use Cases and User stories to provide direction on what is required from the system and data models. Defining and specifiying the 'service' concept including how this is operationalised from a business perspective. Construct the data tables and build the relationship ties between the identified components that make up the data elements. Align the code sets to allow a common standard code set and improved operability. Completion of requirements validation.	Dec-19	Key risks and issues currently being reviewed by the project teams.	South Island

Digital Health Portfolio - November 2019

Name	Description	Stage	Key progress	Next milestones	Milestone dates	Comments	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 September 2019: 898,132 patients, (21 percent of enrolled patients in NZ) had registered to use a patient portal. 310 practices are offering patients access to their laboratory results, 122 general practices have made clinical notes available to patients and 30 practices are able to use video conference for consultations.	MoH is working with sector stakeholders to expand the range of reporting on patient portals. 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.	Dec-19	Primary Health Organisations continue to promote patient portal uptake and increased utilisation of portals.	GPNZ
Lower North Island PHOs Practice Management System Review	Identification of a primary care patient management system for lower North Island PHOs: Compass, Te Awakairangi and Central.	Imp.	There are now 13 practices on indici across Tū Ora, Think Hauora and Te AHN. Tū Ora has also implemented indici into two school clinics.	For 2020, Think Hauora will likely complete their roll out, while Tū Ora will focus on practices with 'outlier' systems such as My Practice and Profile, and its internal PHO Clinical Services teams. Te Ahn are likely to begin implementing indici for their internal Clinical Services after Easter.	Dec-19	Tū Ora exited its indici deployment pause in November, when Kelburn Northland MC became its 6th practice to migrate onto 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.	Currently, there are 654 Clinicials set up with Concerto access, with another 62 awaiting setup from the DHB (either via the Advanced Form or Conporto).	A new UI for Conporto is being tested with a small number of practices, prior to general release.	Dec-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
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 was rolled out to 3 new GP practices and two allied health services.	Planning for accellerated implementation in GP practices in the new year. New implementations include migration from two new legacy PMS variants (Profile and BestPractice). Initial pilot implementation of dynamic health planning for selected patients is showing great promise.	Dec-19	Ongoing rollout is now treated as business as usual.	PHO
ProCare PHO Practice Management System Implementation	Implementation of a selected primary care practice management system to the ProCare network of 170 practices.	Imp.	First practice has now gone live with Indici. Pipeline of a further 30 practices established.	Now in Roll Out phase. Next milestone is two further practices implemented.	Feb-20		PHO
ProCare PHO Systems Replacement	Replacement of core PHO systems with products that will add functionality and are designed to better integrate with primary care patient management systems (PMS).	Scope	Business case approved, project manager appointed.	Project plan agreed	Feb-20	Project is likely to be phased and involves replacement of legacy systems as well as consolidation onto fewer products and platforms.	PHO
Primary Care Data Service	The Primary Care sector support the feasibility of implementing a National Primary Care Data Service (NPCDS) .	Scope	MoH have clarified the process to secure long term funding for the NPCDS including the development of a business case that will scope and describe what the NPCDS is and how it links to other data and digital workstreams.	Procurement has been initiated with a longer timeframe expected to scope the NPCDS programme.	Feb-20	We have established a sector advisory group.	PHO
						Next Report due 31 January 2020	

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