

Digital Health Portfolio - November 2018

Period to 30 November 2018

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| Overall Comment | <p>This monthly report provides updates on key digital health initiatives. It is compiled and unaltered from information provided by Ministry business units and health sector stakeholders.</p> <p>Key points to note this month: The Director General of Health has approved a waiver under the medicines regulations to allow NZePS e-Scripts to not be signed if certain conditions are met; use of the new Death Documents has nearly doubled with over 900 clinicians across the country registered and almost 2000 Medical Certificates of Cause of Death completed online to date; the rollout of access for women to view their summary maternity information is complete in Christchurch and begins in Dannevirke (Central region), in December 2018; National Child Health Information Platform is used in the Midlands region at Waikato, Taranaki and Tairāwhiti DHBs and a Business Case has been approved for rollout in Auckland, Waitemata and Northland DHBs.</p> <p>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.</p> |
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| Name | Description | Stage | Key progress | Next milestones | Milestone dates | Comments | Key risks and issues | Owner |
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MINISTRY OF HEALTH

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| NZ Digital Health Strategy | The Digital Health Strategy 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. | Digital Advisory Board (DAB) has recommended publishing of the strategy. Work continued on implementation work aligned to establishing implementation oversight, delivering the strategy enablers and measuring progress. | DAB is being re-established to provide oversight of the strategy implementation. Formal approval of the strategy to follow DAB formation. Continue engagement with the sector to align investment and implementation plans. | Feb-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. | Death Documents integration with HIP/NHI due to go-live. New training video developed and the second release of the viewer has been implemented. Date of Death updater build undergoing system testing. Death Documents embedded in training in majority of DHBs. | Implement Release 3 of Death Docs with NHI lookups. Complete and implement Date of Death update mechanism. Complete implementation of infrastructure configuration enhancements. Build 2-factor authentication for returning users accessing the NHI. | Dec-18 | Over 900 clinicians across the country have registered for Death Documents and have completed almost 2000 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 an environment of strong security and the absence of good primary care engagement and primary and secondary care system integration. Failure to leverage progress and to refine solution and extend to other stakeholders. | MoH / DIA |
| National Health Information Platform (previously Electronic Health Record) | A national health information platform (nHIP) to give consumers, health care providers and planners access to health information across sector systems. | Scope | Cabinet paper has been drafted and is awaiting presentation to the Cabinet Social Wellbeing Committee (SWC). | The paper will be presented to Cabinet after consultation with Ministers and coalition partners. | Feb-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 nHIP, 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 is now entering final review and endorsement and is tracking to complete in December. The NSS build phase contract documents are expected to be finalised during December. The build phase of the solution is tracking to start in the New Year. | Complete the NSS design phase. This includes review and acceptance of all solution blueprints and core project material. Complete all build phase contract preparation and negotiation activities with the contractor(s) ready for execution. | Design Phase: Dec-18 | Completion of the design phase and completing contractual negotiations are occurring in parallel. Both activities have a degree of dependency between them and are being managed accordingly. Due to the strategic nature of the NSS to support multiple screening activities, it is critical that the design is not only suitable for Bowel Screening, but is fully extensible. These two streams of activity are now close to completion. | The time to complete the design phase of the project has taken longer than initially anticipated. This is due to the focus on quality and extensibility of the final solution. The programme now planning the build phase of the solution and working with sector partners to align with their screening readiness planning. | MoH |
| | | | Interim IT Solution continues to support the National Coordination Centre and Waitemata, Hutt Valley, Wairarapa, Southern, Counties Manukau and Nelson Marlborough DHBs. | Complete the final tranche of enhancements to the solution and infrastructure. Enable Interim IT solution to support screening for Lakes DHB at go-live in February 2019. | Enhancements: March-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 rollout to provide women access to their information will continue in 2019. 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 vendor has created a 90 Day Action Plan to improve their service levels in NZ. | The next iteration of NMR clinical system will be available for users in February 2019. Partial rollout in Christchurch for women to access their summary information is now complete and the next rollout will occur in Dannevirke in December 2018. Developing requirements for Midwives to operate remotely using iPads in 2018. Progress report on the 90 Day action plan will be completed in March 2019. | Dec-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. 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. | Communicate purpose, benefits and cost of NHIMS to DHBs to support implementations. | Dec-18 | Continue collaboration with DHBs | If costs are not known DHBs will be unable to commit funding, leading to delays to the national rollout of NHIMS. | MoH |

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

Next Report due: 31 January 2019

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|---|---|---------|---|--|--|---|---|-----------------|
| 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. | Imp. | The Regional ISSP Roadmap V1.0, the ISSP Strategic Plan v2.0 and the ISSP Programme Charter & Execution Plan V1.0 have been endorsed and approved by hA, ADHB, WHDB and NDHB Boards. The Regional ISSP Roadmap V2.0 and Radiology Domain workshops are in flight and Laboratory Domain workshops are confirmed. It is planned to complete the high level roadmaps by April 2019. | These three key pillar documents are pending CMDHB Board approval on the 12th December. A number of projects have RFP processes underway with evaluations starting Jan 2019. Progress the Roadmap Domain workshops over the period December to April. | Dec-18 | Business cases are being progressed for key identified initiatives from the ISSP Regional Roadmap. Meetings are being held regularly with MoH and Treasury to progress business cases through the process. The development of the Regional ISSP Roadmap V2.0 has kicked off with workshops planned with key DHB resources identified. | 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 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 | Good progress made with outputs from the Design Phase (five key artefacts) - with approvals-in-principle from Programme Steering Group (PSG) subject to finalisation of KPMG technical review. Workload Discovery and Cloud Placement (WDCP) approach has been revised in order to support prioritisation of applications and workloads, this went to the last PSG meeting. | IaaS programme being rebaselined to align with approvals. The Business Case for service transition is pending WDHB approval, based on review of previous assumptions around Public/Private cloud placement and potentially counterfactual cost. Mitigation strategy formed and PSG has endorsed in principle BC project variation in order to progress Workload Discovery and Cloud Placement. | Dec-18 | The programme status is Red overall due to outstanding endorsements on the Regional IaaS Business Case and delays on execution of the hA Participating Agency Agreement for Service Establishment. A recovery plan is agreed in principle and is subject to a formal variation to outline the time and cost implications of the delayed business case approvals (WDHB) and endorsements (MoH). The plan will see Service Establishment contracted ahead of regional business case approval to make a migration commitment to Revera. | Regional board approval and MoH endorsement of the IaaS business case is a key critical path activity. Formal variation to the project was required as workload placement planning was requested prior to board approvals. Service establishment and aggregation connectivity work delayed while awaiting hA signing of PAA. This was delayed by DFA limitations and new direction from MoH around Finance Leasing vs OPEX Leasing. | 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 used in the Midlands region at Waikato, Taranaki and Tairāwhiti DHBs. A Business Case has been approved for rollout in Auckland, Waitemata and Northland DHBs. High level requirements finalised and statements of work in preparation by Orion Health, healthAlliance and Pinnacle Midlands Health Network. A Privacy Impact Assessment has been endorsed by the regional privacy group. Design of the co-ordination services continues. SaaS negotiations with Orion Health have been completed. | Prioritise integration and enhancement activities and commence development. Obtain sign off of NCHIP SaaS Agreement and associated statements of work. Detailed coordination service planning. | Dec-18 | High level of commitment from key stakeholders. Alignment between Midlands and Northern regions working well. National Governance Group meetings commenced with representation from Midlands and Northern regions, Orion Health and the MoH. | Timeliness of contractual sign off. Careful management of development process. | 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 | Business requirements for Phase Two, Release One which will provide the capability to fully transition Hauora Tairāwhiti DHB from Healthviews to the Midland Clinical Portal, and partially transition Bay of Plenty DHB from CHIP to the Midland Clinical Portal have all been developed and approved. NZePS testing nearing completion. Executive Brief for Integration with St.John approved. Request for Information being constructed for Medicines. | eSPACE is scheduled to commence detailed current state discovery with Waikato and Taranaki DHB. Due diligence at Lakes will re-commence in 2019. Project Implementation Document (PID) due. Working towards a decision paper to be presented to eSPACE governance following the RFI responses being received. | Dec-18 Feb-19 Dec-18 Feb 2019 | 1. Lakes to update Healthviews in house project to bring it into alignment with Waikato, as DXC licence support ends in June 2019. eSPACE will continue to work toward transition commencing from June 2019. 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 has been shared with MOH, including executive briefs and PID/Business Cases. | 1. NZePS Whanau Tahi 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 | Approval to complete rationalisation of environments. This will improve delivery to production more efficiently and reduce costs. Likely upgrade of the RIS application prior to CCDHB on-boarding. HBDHB are continuing with data migration to the regional clinical portal. | Continue HBDHB data migration. CCDHB to confirm timeframe for onboarding to Regional RIS, this is likely to happen after RIS upgrade. Continue with environment work to improve Service Delivery Level process. Finalise recommendations on the Service/Support. Upgrade WebPAS to version 10.14 to comply with NCAMP, initiation phase of project started. Letter to MoH asking for exemption for six months has been sent. | Dec-18 | Good progress against new initiatives to improve the current platform. RIS Upgrade to likely start on the 10/12/18. WebPAS upgrade started to ensure compliance with NCAMP. | Regional service management process improvements identified as well as improvement needed with the DHB engagement. | 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 | Canterbury DHB Phase 2 went live successfully on October 5th. The sizing of the production infrastructure was successful with no performance degradation resulting from the significant user base increase. Regional Ministry extract work is proceeding. Draft business cases for the West Coast DHB and South Canterbury DHB projects are currently being reviewed by the respective DHBs and Southern DHB are developing their business case. | A software update is planned for implementation late November which will enhance the end user experience in targeted areas of the system. | Feb-19 | A planning day is being scheduled with South Canterbury DHB for late 2018. | 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 | Recruitment for RSPI Programme Manager and Business Analyst has commenced. Preferred candidate for Programme Manager role secured and the candidate is due to commence in early 2019. Business Case with Director General of Health for approval. MoH is supporting the approval process and have appointed a Project Manager. | Workshop to define a fixed price cost from IBM to be scheduled early 2019. The project initiation and detailed planning sessions with the MoH team to be scheduled for early 2019. | Feb-19 | 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 first four DHBs - Bay of Plenty, Canterbury, Waikato and West Coast - have been live on NOS for four months and the focus has now shifted from onboarding support to system and process refinements. Good progress has been made on the business case and it is on track for completion as planned. | Finalisation of the business case in December for approval by DHBs and Cabinet by the end of March 2019. | Dec-18 | 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 and DHB and Cabinet approval of the business case. | NZHP |

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| 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 | 725,417 patients have now registered for a portal, as of September 2018, 16 percent of enrolled patients in NZ and 587 practices have implemented portals, 61 percent of general practices. 91 general practices have made clinical notes available to patients. Nine general practices are using 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. | Feb-19 | The Primary Health Organisations continue to drive patient portal utilisation. | Remaining 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 | 13 percent of all general practices are now generating e-Scripts and 69 percent of community pharmacies are scanning e-Scripts. The Director General of Health has approved a waiver under the medicines regulations to allow NZePS Scripts to not be signed if certain conditions are met. This step signals confidence in the NZePS and should accelerate to take-up. A number of pilots are underway to use the NZePS dispensing data for medicines review and adherence purposes. 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. Leverage the digital services to improve processes for community pharmacies. | Jan-19 | NZePS provides a platform to deliver significant benefits across the health system. Funding is required to develop a national clinical platform which enables a person's medicines data to be accessible to them and their health professionals across the health system. | 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 | Training of practice staff and preparation for the migration of the first two practices is well underway. Testing of the Indici Shared Electronic Health Record (SEHR) has also been occurring in a number of practices across the region. | SEHR went live for the three DHB regions to most practices 29th November. Now confirming that the local integrations for the SEHR are working with the DHBs and other stakeholders (e.g. Laboratories). Central PHO has begun migration and has two practices on the new PMS. | Dec-18 | DHBs (Capital and Coast, Hutt Valley, Wairarapa and Mid Central) are supportive of the move to the Indici SEHR. | Key integrations need to be ready for a January go live for the PMS. . HealthLink declined to migrate the EDIs for practices moving to Indici and are now developing a plan to integrate with Valentia. Also investigating an alternate approach than using BPAC's e-Referral solution. While complications with HVDHB requirements may delay their implementation the other DHBs plan to complete work in time for the Indici roll out to Tū Ora Compass Health practices from late January. | 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 | 495 clinicians confirmed with Concerto access. | Continued engagement with practices who have not requested Concerto access for any of their clinicians. Develop the solution for Concerto access with the Indici PMS. Aim to deploy the new Concerto solution prior to Christmas. | Dec-18 | Continuing to develop 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. | Multiple practices now live with Sirius. Product improvements and enhancements under way, responding to feedback from first practices. Implementation process in progress for practices going live in early 2019. | Deployment of PMS changes to support MoH CSC/U14 fee change initiatives. First production release of Sirius Care (Patient Portal). Ongoing implementations with member practices. | Dec-18 | Adjustments made to Sirius release timetable to accommodate MoH initiatives. | 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. | Implementation of Indici has taken place for one GP practice, School clinic services for over 30 schools and for one allied health practice in the Midlands region. Electronic Prescription Services went live in one GP practice. General rollout is planned in December. | Ongoing implementations across the Midlands region. Conversion of all practices to use the new ACC Snomed based ACC45 API. Finalisation of testing by MoH of the electronic Special Authority integration. | Dec-18 | Requests for implementation of Indici are accelerating. | Special Authority testing is slower than hoped, due to delays in implementing a suitable test environment. | PHO |
| ProCare PHO Patient Management System review | Identification of primary care practice management system recommendation to the ProCare network of 170 practices. | Scope | Recommendation on a preferred PMS vendor has been made by ProCare Board. | Complete negotiations with preferred vendor. Note that most key issues were already agreed prior to recommendation to ProCare Board. | Feb-19 | Steering Group, comprising a group of 12 GPs, Practice Nurses and Practice Managers have unanimously supported the recommendation to the ProCare Board and remained involved throughout due diligence phase. | 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. | Feb-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 January 2018 |
| <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <p>Stage</p> <p>Concept Scope Imp. Rollout PIR</p> <p>Implementation Post Implementation Review</p> </div> <div style="text-align: center;"> <p>Confidence</p> <p>Achievable At Risk New to the report</p> </div> </div> | | | | | | | | |