Australian Government

Australian Digital Health Agency

HIPS

Release Note

19 September 2019   v7.2.1
Approved for external use
Document ID: DH-2967:2019

Related end product identifier: EP-2965:2019

Release rationale

HIPS v7.2.1 is a patch release that provides an important defect fix.

For a comprehensive list of changes, please refer to the Change details section below.

Package inclusions

DH-2967:2019	*HIPS – Release Note v7.2.1* (this document)
DH-2854:2019	*HIPS – Product Data Sheet v7.2*
DH-2855:2019	*HIPS – Documentation Package v7.2*
DH-2968:2019	*HIPS – Binary Software Package v7.2.1*
DH-2969:2019	*HIPS – Source Code Software Package v7.2.1*
DH-2888:2019	*HIPS – Interface Change Log v7.2*
DH-2966:2019	*HIPS – Functional Change Log v7.2.1*
DH-2970:2019	*HIPS – Module Guide (UI) v7.2.1*

Change details

The following items are addressed by this release.

7.2.1

ID	Summary	Change description
ADO-10073	Patients without IHI not appearing in the Patients without IHI list in HIPS UI	A set of defects in HIPS Core and HIPS UI caused the patient list on the IHI Reconciliation page in HIPS UI to never display any patients. These issues have been resolved in the HIPS 7.2.1 patch. The defects were as follows: 1. The first defect related to the logic used in HIPS Core to identify current and recent patients without IHI. These were incorrectly limited to those under 14 days old, which is the correct condition for the newborn IHI registration function, but incorrect for the IHI reconciliation function. 2. The second defect related to the logic used in HIPS UI to exclude newborns under 1 month old from the patient list. This is correct for the Patients Without IHI tab but not correct for the Duplicate Patients or Other Alerts tabs which should not have had an age filter applied. 3. The third defect related to the handling of patients who are on the current user's list of pinned patients but not currently admitted or recently discharged. When these patients had no IHI they appeared on the Other Alerts tab instead of the Patients Without IHI tab. When they had Duplicate Patient alerts, they did not appear at all. The *Module Guide (UI)* has been updated to reflect the current behaviour. The IHI Reconciliation page has 3 tabs, each of which shows current patients, patients discharged within the configured *PatientsWithoutIhiDaysDischarged* days, and patients who are on the current user's list of pinned patients. • The Patients Without IHI tab shows patients without IHI. Newborns less than 1 month old are not shown in this list because it is normal for newborns to have no IHI. However, newborns can be found using the Lookup by MRN option. The action Check Demographics is available for patients with a current or recent episode. • The Duplicate Patients tab shows patients of any age with Duplicate IHI or Duplicate Patient alerts. • The Other Alerts tab shows patients of any age with any other alerts or non-Active IHI status.

Previous release details

7.2.0

EHISC	Summary	Change description
EHISC-1	Support for Assisted Registration Addendum v1.1	HIPS now supports Assisted Registration of dependants where the child is not on the same Medicare card as the parent/authorised representative by allowing the healthcare provider organisation to indicate that it supports the parent/authorised representative's assertion of parental responsibility for the child. NOTE: We are aware that some sites have a practice of entering the mother's Medicare number on the newborn's record in their Patient Administration System. This practice is incompatible with Assisted Registration because the My Health Record system will return an error that there is no relationship known to Medicare between the adult and child. Instead, sites should omit the Medicare number on the newborn's record in their Patient Administration System until the correct Medicare number for the child has been advised.
EHISC-15	IHI search by address	HIPS Core has been modified to support IHI Search by Australian Unstructured Address and International Address. The Patient Merging Profile document has also been renamed Patient Administration Processing Guide to better reflect its purpose. Refer to the Patient Administration Processing Guide for details of the processing logic for IHI lookups including search by address.
EHISC-207	Test Pathology Report and Diagnostic Imaging views with up to 10000 records	HIPS UI Pathology Report and Diagnostic Imaging Report Views have been tested and confirmed to work with up to 10000 records if this is supported by the My Health Record system. This was tested using a mock My Health Record environment rather than Software Vendor Test (SVT).
EHISC-208	UI Pathology Report and Diagnostic Imaging views count of items in collapsed view	HIPS UI has been modified to show the number of items for collapsed Pathology and Diagnostic Imaging View when the Group results by organisation names option is checked.
EHISC-255	Login page password-guessing attack	HIPS UI now has the option to configure and enforce account lockout for user accounts that exceed a number of failed login attempts within a period of time. The number of retries, attempt window and length of lock-out are also configurable. A HIPS UI admin screen is available to release accounts that are locked.
EHISC-272	Prevent inclusion of IHIs in URLs	HIPS UI has been modified to prevent the inclusion of IHIs in any URLs.
EHISC-361	Advanced search to allow search by formatted IHI and Medicare numbers by removing typed or pasted non-numeric characters	Advanced search has been made more user friendly by allowing users to enter IHI and Medicare numbers in various formats.

EHISC	Summary	Change description
EHISC-363	Advanced Search - Ward label should be renamed Location (Ward/Department) to allow for outpatients	HIPS UI Advanced Search page has been modified to display a new label for Ward field "Ward/Department".
EHISC-369	Requested Changes to Emergency Access	HIPS UI has been modified to encourage and support appropriate use of the Gain Access and Emergency Access functions. The presentation of the emergency access text has been altered to make it more easily digestible, and also to reflect that the clause relating to a threat to public safety is not associated with the clause relating to when the patient's consent cannot be obtained. The emergency access button has been highlighted to give extra significance, through use of the red colour, such that a user pays more attention before just clicking the button. The screen has a new button to cancel the gain access function, as having an obvious button to back out may reduce the likelihood of accidental emergency access. Finally, the Gain Access button has been renamed to Change Access so that it seems less like a required function for the user. Refer to related EHISC-475 for additional changes to emergency access.
EHISC-454	Allow clicking on patient name to view the My Health Record	In HIPS UI in the main patient list, users are now able to click on the patient's name to see the patient's My Health Record page if they have a valid IHI.
EHISC-469	Pathology Results HL7™v2 Profile - Patient Identifier List	The Pathology HL7™v2 Profile documentation was updated with more detail on the patient identifier list requirements.
EHISC-470	Allow HIPS to upload documents signed by CSP certificate	HIPS now supports the configuration of health provider organisations to use either a HPO or CSP certificate to digitally sign CDA^{TM1} packages. The main benefit is that sites with multiple healthcare provider organisations (HPI-Os) using one instance of HIPS, that instead of using multiple HPI-O certificates, sites can use a single CSP certificate.
EHISC-472	Persist log context information throughout processing of each operation	HIPS Core has been modified to persist its logging context throughout the processing of a message to provide richer and more meaningful log outputs.
EHISC-475	"Are you sure?" pop-up for emergency access button	In HIPS UI the Gain Emergency Access button now prompts the user for confirmation of the action with a pop-up before providing emergency access. The pop-up can optionally show an organisational policy if configured in the HIPS UI settings. This change has been made in response to concerns from sites that have experienced accidental cases of clinicians gaining emergency access.

[1] HL7 and CDA are trademarks of Health Level Seven International and are registered with the United States Patent and Trademark Office.

EHISC	Summary	Change description
EHISC-476	HIPS should enforce complete dates and no fractional seconds for OBR-7 in HL7™ ORU messages	HIPS will now return a validation error if a partial date or a date with fractional seconds is provided in OBR-7 for HL7™ ORU messages.
EHISC-480	HIPS-UI patient lists should accurately show episode type and location for discharged patients	HIPS UI has been modified to display discharged patients in all lists with their Episode Type as "Inpatient" and their Location as "Discharged" to more obviously indicate the patient was an inpatient but has since been discharged.
EHISC-494	Advanced search - allow single name search on given name field	HIPS now supports the use of a full text index when searching for patients by given name. This enables clinicians to use any given name in the HIPS UI Advanced Search given name field to find patients with multiple given names. This functionality can be enabled if the SQL Server Database Engine optional component "Full-Text Search" is installed.
EHISC-495	Advanced search - format explanation for DOB field	The Advanced Search page in HIPS-UI has been modified to provide a more useful label for the date of birth field, including direction on the date format accepted by the field.
EHISC-498	Support for UC.011 Newborn IHI	An authorised user of HIPS UI can create a verified IHI for a newborn who is less than or equal to 14 calendar days of age at the time of processing. After successful creation of an IHI for a newborn, the user, if authorised, may proceed to Assisted Registration to create a My Health Record for the newborn.
EHISC-499	Log correlation identifier	Previously in HIPS Core, relating error messages and audit records to each other was difficult and not 100% accurate. HIPS Core has now been modified to log all ConsentAudit, DisclosureAudit, HL7™MessageLog, HpiiLookupAudit, IhiCreationAudit, IhiLookupAlert, IhiLookupAudit, MessageQueue, PcehrAudit,RemoveAudit, SystemInteractionLog, SystemErrorLog and SystemEventLog records with a CorrelationId unique to the operation. This will enable sites to accurately identify related errors, events and audit records that are logged during a single operation.

EHISC	Summary	Change description
EHISC-516	Improving rendering of Medicines View attachments	For users of HIPS UI viewing the My Health Record, links from documents, such as to PDF attachments, will display in the existing modal window rather than in a new tab. The rendering of the Medicines view in the Medicines view tab has been improved so that it handles links from the Medicines View, or a sorted version of the Medicines View as follows: 1 Links to HTML attachments whose name contains "Sorted.html" are other versions of the Medicines View sorted by medicine (MedicineSorted.html) or sorted by date (DateSorted.html). They will open in the existing tab, replacing the displayed Medicines View document. 2 Links to other HTML attachments are pre-rendered CDA documents which may contain medicines information. They will each open in a modal window. They can be shared or printed from the modal window. Where they have their own PDF or TIFF attachments, these attachments will open in the existing modal window, replacing the displayed CDA Document. 3 Links to a PDF attachment such as the help information for the Medicines View will open in a modal window. They can be shared or printed from the modal window.
EHISC-525	Evaluate impact of disabling TLS 1.0 & TLS 1.1	The HIPS installation documentation has been updated to include a best practice security recommendation for disabling TLS 1.0 and TLS 1.1 on the HIPS Servers.
EHISC-536	Core should validate the length of the IHI property in the search request	In HIPS UI on the advanced search page, searching by IHI now removes the spaces and trims the entered IHI numbers to 16 characters before sending the request to make searching easier for users.
EHISC-545	Automate creation of service catalogue based on WSDL as part of build process	The HIPS Service Catalogue (Core) document has been replaced by documentation of the corresponding HIPS Core web service client proxy API. The new HTML-based documentation provides more accurate information on the interfaces supplied by the HIPS Core web services, and can be viewed from the filesystem or hosted. It also includes information to assist consumers use and apply the documentation when evaluating, designing, building or supporting interactions with the HIPS Core web services. NOTE: The new documentation is best viewed in a modern web browser such as Chrome, Firefox, Safari or Edge. While it can be viewed in Internet Explorer, some features such as the dynamic table of contents and navigation menus will be unavailable.

EHISC	Summary	Change description
EHISC-582	HIPS should not upload documents using stub episodes that belong to a different document set ID	HIPS Core business logic to retrieve the episode for a specific document CDA Set ID has been modified to ensure that HIPS supersedes the previous version of an uploaded document when a document with the same CDA Set ID is sent to the Upload or Supersede Document web service. This eliminates a defect where HIPS would occasionally upload amended documents as a new document rather than superseding the previous version of the document. If there are multiple documents with the same CDA Set ID already uploaded as separate documents, HIPS will reject the attempt to upload an amended document with that CDA Set ID. HIPS Core business logic to retrieve the episode for a Level 1A Discharge Summary document for a given admission date/time has also been modified to ensure that HIPS supersedes the previous version of an uploaded discharge summary if there is one discharge summary uploaded on an episode belonging to the specified patient where the admission date/time is within one minute of the given date/time. If there are multiple discharge summaries uploaded on episodes for the patient whose admission date/time is within one minute of the given date/time, HIPS will return an InvalidEpisode error: "HIPS is unable to supersede the Level 1A discharge summary because there are multiple discharge summaries uploaded for this patient with the given admission date/time."
EHISC-585	Create an OID in the database for PSML v1.1.1	Pharmacist Shared Medicines List v1.1.1 has been added to the HIPS Core hips.DocumentFormat table to enable support of uploading PSML CDA documents once this functionality has been once released to the My Health Record system.
EHISC-599	QueueConsumer RemoveOnSuccess setting not working as expected	HIPS Core queue consumers now remove successfully processed messages from the HIPS Core database by default.
EHISC-601	Authorised Representative dropping the month from dob (date of birth)	For an assisted registration, HIPS Core now correctly records the authorised representative's date of birth (including month) in the hips.PcehrAudit table.
EHISC-621	Emergency episodes displaying for Upload DS for admitted day only	This enhancement to HIPS UI will allow discharge summaries to be uploaded for non-inpatient episode types by including episodes on the episode list for a configured number of days after service. The new DischargeSummaryEpisodeDaysAfterService and Discharge SummaryPatientDaysAfterService settings can be modified in the hipsui.Setting table. The default values are both set to 365.

EHISC	Summary	Change description
EHISC-652	Alert Monitor does not handle application server disk errors well	The AppDiskSpace alert item logic has been made more reliable and will no longer log an unhandled exception when the service account does not have appropriate permissions to read the disk properties.
ADO-9515	Ensure Foreign Key Constraint for VisitorHospitalId column in HealthProviderOrganisation table	In HIPS Core a new foreign key constraint has been added to the VisitorHospitalId column in the hips.HealthProviderOrganisation table to ensure referential integrity of data.
ADO-9413	HIPS unable to process HL7™ messages/create CDA document when gender is 'U'	HIPS will now correctly map the patient sex value "Not Stated or Inadequately Described", which can be represented by the HL7™ code "U", into the corresponding "Not Stated" value in the CDA documents generated by the Upload Discharge Summary Level 1A service and the pathology and imaging HL7™ to CDA adapter.
ADO-9536	DOB in advanced search on Chrome and Firefox is taking a day off the patient's date of birth	HIPS UI has been modified to convert the date/time value from server side by verifying if timezone is provided. It will convert the date/time value to be displayed in UI according to the timezone if it is supplied or without the timezone if it is not supplied.
ADO-9622	Document creation date is not accurate	HIPS Core PCEHRService Get Document List web services have been modified to correctly interpret and return the creationTime, serviceStartTime and serviceStopTime dates from the My Health Record system ITI-18 Registry Stored Query operation as UTC time rather than returning the date/time with an unspecified time zone.
ADO-9650	Exception in GetValidatedIhi operation when HI Service error description is less than 500 characters in length	HIPS Core IHIService GetValidatedIhi web service has been modified such that when an error is received from the HI Service, the full error message detail is logged, and not just a portion of it.

Audience

- healthcare provider organisations

- diagnostic service provider organisations

- system integrators

- software vendors.

Assurance

HIPS v7.2 has undergone the following conformance assessments:

- Healthcare Identifiers (HI) service

  - Notice of Connection (NOC)

  - CCA assessment by NATA-accredited external test laboratory

- My Health Record system

  - Notice of Connection (NOC)

  - execution of all conformance test cases applicable to the functionality of HIPS.

Implementers are required to perform their own testing of My Health Record conformance test cases that relate to functionality outside of HIPS and declare conformity of their clinical systems in conjunction with HIPS to the My Health Record System Operator.

Documentation of conformance assessments performed for HIPS v7.2 is available from the Agency Help Centre at help@digitalhealth.gov.au or by phoning 1300 901 001.

Licence

The HIPS Binary Software is licensed under the *HIPS Binary Software – Software Licence Terms and Condition*s (included in the HIPS Binary Software Package).

The HIPS Source Code is licensed under the *Source Code License and Production Disclaimer* (included in the HIPS Source Code Software Package).

Support

The HIPS product is provided in both binary and source code form.

The Agency provides support to sites that use the Agency-provided binary version of HIPS[2].

Sites using HIPS binary code that has not been provided by the Agency are generally not supported by the Agency. Third-party technical support is available from commercial partner organisations. Implementers are encouraged to take out support contracts with suitable support providers to ensure the successful implementation and operation of HIPS.

Please contact the Agency for details of available support services.

For further information about the product or to provide feedback, please email the Agency Help Centre at help@digitalhealth.gov.au or phone 1300 901 001. Your views on the scope and usability of HIPS will inform future releases.

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[2] Sites requiring support by the Agency need to complete the registration process for HIPS Nominated Sites. This may include meeting additional requirements including a commitment to regularly upgrade their HIPS installations to the latest HIPS release.

Future releases

HIPS will be released on an ad hoc basis, based on providing new functionality or other changes as required.

Known Issues

No significant issues known.

Previous releases

Date	Release version
August 2019	**HIPS v7.2** release incorporates enhancements and defect fixes to the HIPS v7.1.1 minor release: • HPI-I relaxation for Pharmacist Shared Medicines List v1.1 • CSP certificates for all functions • IHI searches based on address and IHI creation for newborns • MHR Assisted Registration for dependants
June 2019	**HIPS v7.1.1** release incorporates enhancements and defect fixes to the HIPS v7.1.0 minor release: • User interface advance search improvements; • User interface patient summary enhancements; and • Implementing defect fixes found from v7.1.0 acceptance testing undertaken by Tasmania and Victoria.
March 2019	**HIPS v7.1.0** is a minor product release candidate used for acceptance testing and addresses the following: • defect fixes • user interface advance search improvements • user interface patient summary enhancements.
March 2019	**HIPS v7.0.2** is a minor product release addressing the following: • Corrects issues with the QueuedPcehrOperation view introduced in HIPS 7.0: The view incorrectly referenced columns from the PcehrAudit table that may be removed as part of audit data migration; the view performed poorly for large data sets.
February 2019	**HIPS v7.0.1** is a minor product release addressing the following: • HIPS-UI: Forward to Different Logout Screen Depending on Entry Route; • HIPS-UI: Auto Forward to a Logout Screen (on session timeout); • HIPS-UI: Move Lookup by MRN above table of current patients on View My Health Record page; • HIPS-Core: Extend GetPatientParticipationStatus service operation to return additional information. For a comprehensive list of changes, please refer to the Release Notes for HIPS v7.0.1.
December 2018	[EP-2796:2019 HIPS v7.0](#) [Release note](#) **HIPS v7.0** is a major product release that significantly improves the performance of HIPS for very high load scenarios, particularly for Pathology Report and Diagnostic Imaging Report documents. It consolidates a number of previous branch releases and customisations, making it a suitable target release for upgrades of outdated HIPS installations. The following key improvements are included in this release: • significant performance improvements for very high upload scenarios, particularly for Pathology Report and Diagnostic Imaging Report documents • improved recovery from temporary outages of My Health Record or HI Service • proactive monitoring and reporting of key alert conditions • unified logging of errors from all HIPS components • significant size reduction of audit log, reducing storage requirements • improved support for HPI-I relaxations • support for All Facilities searches and searches for non-inpatients • incorporation of customisations of previous HIPS releases (Northern Territory, South Australia). For a comprehensive list of changes, please refer to the Release Notes for HIPS v7.0.
November 2018	**HIPS v6.2.2** was a controlled release for users upgrading from HIPS v6.2.1 who are not yet ready to upgrade to HIPS v7.0. This version of HIPS resolves a starvation ("Ninject binding") issue for the HIPS User Interface that can cause the user interface to stall in case of larger numbers of parallel user sessions.

October 2018	**HIPS v6.2.1** was a controlled release for users upgrading from HIPS v6.1 who are not yet ready to upgrade to HIPS v7.0.
	This version of HIPS provides a substantial number of enhancements and defect fixes, including: • inclusion of the HIPS Monitoring Tool in the main HIPS product • support for automated removals of Pathology Report and DI Report documents: Document Set ID returned for each uploaded HL7™ ORU message • database timeout errors no longer lead to duplication of document sets • support for display of pre-admission episodes • new filter to display only non-inpatients • EPMI information now displayed for patients not registered in target hospital • new configuration flag to prevent issuing of dummy MRNs • login button automatically displayed as disabled after being pressed. This version includes the reliability improvements for the HIPS Core from HIPS v6.1.2 that improve the stability for scenarios with very large numbers of uploaded Pathology Report and Diagnostic Imaging Report documents.
October 2018	**HIPS v6.1.5** was a controlled release for users upgrading from HIPS v6.1.4 who are not yet ready to upgrade to HIPS v7.0. This version of HIPS resolves HIPS User Interface defects affecting the upload function for Level 1A Discharge Summary documents and the display of outdated information in the document list of the Remove Document page.
September 2018	**HIPS v6.1.4** was a controlled release for users upgrading from HIPS v6.1.3 who are not yet ready to upgrade to HIPS v7.0. This version of HIPS resolves a HIPS User Interface issue with the Remove Document page affecting users of Internet Explorer, in which the Refresh button led to the display of potentially outdated information.
December 2018	**HIPS v6.1.3.1** was a controlled release for users upgrading from HIPS v6.1.3 who are not yet ready to upgrade to HIPS v7.0. This version of HIPS resolves a starvation ("Ninject binding") issue for the HIPS User Interface that can cause the user interface to stall in case of larger numbers of parallel user sessions.
August 2018	**HIPS v6.1.3** was a controlled release for users upgrading from HIPS v6.1.2 who are not yet ready to upgrade to HIPS v7.0. This version of HIPS improves the HIPS User Interface workflow for removing pathology and diagnostic imaging reports.
November 2018	**HIPS v6.1.2.1** was a controlled release for users upgrading from HIPS v6.1.2 who are not yet ready to upgrade to HIPS v6.1.3. This version of HIPS resolves a starvation ("Ninject binding") issue for the HIPS User Interface that can cause the user interface to stall in case of larger numbers of parallel user sessions.
June 2018	**HIPS v6.1.2** was a controlled release for users upgrading from HIPS v6.1.1 who are not yet ready to upgrade to HIPS v6.2.1. This version of HIPS is focused on improving the reliability of the HIPS Core for very large numbers of uploaded Pathology Report and Diagnostic Imaging Report documents.
April 2018	**HIPS v6.1.1** was a controlled release for users upgrading from HIPS v6.1 who are not yet ready to upgrade to HIPS v6.2.1. This version of HIPS contains multiple minor enhancements and defect fixes for both HIPS Core and HIPS UI.
November 2016	[EP-2448:2016 HIPS v6.1](#) [Release note](#) **HIPS v6.1** merges the functionalities of the previously released eHealth Integration Sample Code (eHISC) and HIPS products. HIPS v6.1 supersedes and combines the functionality of HIPS v5.0 and eHISC v6.0. This version and all future releases of the merged product will be published as HIPS releases only. HIPS v6.1 introduces support for the following views of the My Health Record system: • Pathology Report View • Diagnostic Imaging Report View • Health Record Overview. The following functionality from HIPS v5.0 that was not part of eHISC v6.0 has been included in this release: • support for Secure Message Delivery (SMD) • integration with national directory services (NHSD, NEPS).

April 2016	**HIPS v6.1** of the eHealth Integration Sample Code (eHISC) lets you upload pathology and diagnostic imaging reports to the My Health Record system without needing to generate CDA documents.
	This eHISC release introduces the ability to upload HL7™ v2 pathology and diagnostic imaging reports to the My Health Record system as CDA documents. eHISC automatically converts HL7™ v2 ORU messages into eHealth Pathology Report and eHealth Diagnostic Imaging Report CDA documents for upload to the My Health Record system.
	The conversion capability supports ORU messages containing a PDF version of the diagnostic report. The resulting CDA documents do not contain any structured report information but instead refer to the PDF report, which is extracted from the ORU message and attached to the CDA document.
	eHISC accepts ORU messages via both its SOAP web service interface and its new low-level MLLP interface. MLLP offers an easy-to-use integration path, as it is already widely supported by existing laboratory and radiology information system implementations.
February 2016	EP-2199:2016 eHealth Integration Sample Code (eHISC) v2.0.3
	Release note
	Release rationale
	The enhancements made to eHISC v2.0.3 are listed below.

Change description	Notes
PCEHR NOC compliance	eHISC 2.0.3 includes changes made to the system for PCEHR NOC compliance.
PCEHR CCA compliance	Changes made to the system for PCEHR CCA compliance: Removal of DVA number from Level 1A Discharge Summary, change to Mode of Separation display names.
HI CCA compliance	Changes made to the system for Healthcare Identifier CCA compliance: Duplicate IHI alerting. Non-active HPI-I warning.
PCEHR View	Handle the error if a patient has more than 1000 documents of their PCEHR.
PCEHR Advertised improvements	Add a new method IsPcehrAdvertisedLocal to look up a patient's PCEHR status in the local data without connecting to the PCEHR. This was requested due to the UI making a large number of calls to the PCEHR.
NEHTA CDA® Generator Library	Updated the NEHTA CDA Generator Library to only generate a single section in the CDA document when creating a Discharge Summary 1A document.
Patient Summary	Added a date range selector to allow the user to reduce the number of documents retrieved from the PCEHR. This is to work around the 1000 document limitation on the PCEHR.
NEHTA Stylesheets	Update the NEHTA Stylesheets to version 1.2.9
Assisted Registration	Improved error information displayed to the user so they have a greater opportunity to resolve the issue and register the patient.
Logout	A new configuration setting has been added allowing the Logout button to be removed for implementations that do not want users to be able to logout.
eHISC UI user security improvements	As part of the test deployment of eHISC 2.0.3, issues were found with the integration with some Active Directory installations involving multiple domains with one-way trusts. The Active Directory integration has been updated to make it more flexible.
Demographic mismatch status	An issue was found that prevented the demographic mismatch alert status from being saved into the IHI record after a Medicare or DVA number change.
Prescription and Dispense View	Fixed a bug the prevented users from seeing a patient's Prescription and Dispense View if the patient had no other documents loaded to the PCEHR.
Gain Access	Fixed a bug where Gain Access would fail for patients without a current episode.
Withdraw Consent	Fixed a bug that prevented withdraw of consent to all of a patient's episodes if any of them had a document already uploaded.

February 2015	EP-2036:2015 eHealth Integration Sample Code (eHISC) v2.0
	Release note
	Release rationale
	eHISC v2.0 had multiple enhancements, as listed below.

Approved for external use

Change description	Notes
Patients Without IHI in Web UI	New web service operations and Web UI enhancements to allow viewing and printing a list of admitted patients whose IHI was not found.
Withdrawal of Consent in Web UI	New web service operations and Web UI enhancements to allow listing and searching for patients and recording their withdrawal of consent to upload documents to the PCEHR system on an episode-by-episode basis.
Disclosure of Hidden PCEHR in Web UI	New web service operations and Web UI enhancements to allow listing and searching for patients and recording their disclosure of the existence of a hidden PCEHR record.
Removing Documents from PCEHR in Web UI	New web service operations and Web UI enhancements to allow listing and searching for patients, viewing uploaded documents and removing uploaded documents from the PCEHR system.
Patient Landing Page in Web UI	Web UI enhancements to support embedding the eHISC PCEHR Web Viewer into existing clinical applications.
Upload Level 1A Discharge Summary in Web Services	New web service operation to allow clinical systems to supply a discharge summary in PDF format along with minimal required metadata, to create a Level 1A CDA document with the PDF as the non-CDA body item, and upload this package to the PCEHR system.
Registered Date of Birth	Enhancement to the IHI processing where, when enabled, eHISC will store the date of birth used in a successful IHI search along with the other patient demographics.
Enterprise ID	Enhancement to the patient identifiers to allow a new type of identifier called Registered Enterprise Patient. This identifier holds the same information as the current State Patient Identifier but will create a Hospital Patient record if one does not currently exist for the patient.
Upload Pathology Report and Diagnostic Imaging Report	This release includes support for uploading Pathology Report and Diagnostic Imaging Report documents to the PCEHR system.
Contracted Service Provider (CSP) and Multitenant	The Multi-Tenant and CSP project has extended the eHISC-Core product to support the use of eHISC in an environment where a Contracted Service Provider (CSP) operates HIPS on behalf of several Healthcare Provider Organisations (HPO) that may not be permitted to share Healthcare Identifiers.
	Multi-Tenant for IHI ensures that each HPO must obtain a patient's IHI from the HI Service separately, and cannot use the cached value that is stored by another HPO.
	CSP for HI Service allows a CSP that operates HIPS to connect to the HI Service for IHI and HPI-I lookups using a Medicare certificate issued to the CSP, instead of connecting with the Medicare certificate issued to each HPO.
	CSP for PCEHR allows a CSP that operates HIPS to connect to the PCEHR system using a "NASH PKI Certificate for Supporting Organisations" issued to the CSP, instead of connecting with the "NASH PKI Certificate for Health Provider Organisations" issued to each HPO.
	Note: a CSP that does not have access to the NASH certificate for each HPO will not be able to upload documents to the PCEHR, because the HPO certificate is required for CDA packaging. Viewing the PCEHR is still possible in this scenario.
SQL Server 2012 Compatibility and High Availability Disaster Recovery through SQL Always On	Modifications of all databases in the solution to upgrade all SQL scripts to ensure compatibility with Microsoft SQL Server 2012, whilst ensuring that all SQL scripts are still backward-compatible with SQL Server 2008 R2. Ensuring that the eHISC server database solution is able to be implemented and supported in a Microsoft SQL Server 2012 Always On Cluster.
Document Upload HPI-O Validation	eHISC 1.0 added extra validation of a CDA document before uploading it. One of these steps was in error as the custodian does not need to have the same HPI-O as the uploading organisation, but the validation required it to be the same HPI-O.
	In lieu of validating the HPI-O directly with the HI Service, the resolution applied in this release is to allow the custodian HPI-O to be any of the HPI-O numbers registered within the same eHISC instance, as the validity of these numbers is checked by the eHISC system administrator during configuration.
HealthProviderOrganisationPatient Advertised Status Update Fix	A fix was applied for updates to the HealthProviderOrganisationPatient table to only update the PCEHR advertised or PCEHR disclosure status for a specific HPI-O against a specific Patient Master. In the previous version of eHISC all records for a singular, specific Patient Master in

the HealthProviderOrganisationPatient table were updated regardless of the HPI-O being specified. This was restricted to records that were already existing in the HealthProviderOrganisationPatient table, which can be added via a positive check for a PCEHR status or a PCEHR disclosure, where the patient had flipped their PCEHR status to hidden in a hospital after previously having the PCEHR visible and then declaring the PCEHR at a subsequent visit.

April 2014	EP-1685:2014 eHealth Integration Sample Code (eHISC) v1.0

Release note

Release rationale

The eHealth Integration Sample Code comprises the source code and associated documentation for the Healthcare Identifier and PCEHR System (HIPS) software, developed by a third-party vendor on behalf of a number of states and territories.

Approved for external use

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