



HIPS

Release Note

6 May 2021 v8.2
Approved for external information
Document ID: DH-3455:2021

Related end product identifier: EP-3456:2021

Release rationale

HIPS v8.2 is a minor release that incorporates the following improvements:

- **New Immunisation View for easy access on patient landing page**
The Patient Summary landing page now displays a panel of immunisation data sourced from the Australian Immunisation Register (AIR) section of the patient's Medicare Overview, along with the ability to view the Immunisation Consolidated View (ICV) document when it is available in My Health Record.
- **New integrated Patient Management page for enhanced usability**
The new Patient Management page has replaced the previous Advanced Search and Quick Search results pages. The functionality of both pages has been consolidated into the new page, and now enables users to search for patients, register patients, access relevant HIPS functionality for patients and manage adding and removing patients from a user's "My Patients" list on a single page.
- **New site configuration option for improved control**
This controls which page the View My Health Record menu item goes to in HIPS UI. Options include: *PatientList* or *PatientSearch*.
For manually registered patients, this determines whether HIPS UI should generate MRNs automatically when registering patients or allow manual entry. This is configurable for facilities that do not have a PAS feed.
- **Defect fixes and minor enhancements**
Defect fixes and minor enhancements for HIPS UI and HIPS Core have been included in this release.

Please refer change details section for detailed information.

Package inclusions

Updated (supersedes previous version)

Identifier	Name and version
DH-3455:2021	<i>HIPS – Release Note v8.2 (this document)</i>
DH-3454:2021	<i>HIPS – Binary Software Package v8.2</i>
DH-3453:2021	<i>HIPS – Source Code Software Package v8.2</i>
DH-3449:2021	<i>HIPS – Functional Change Log v8.2</i>
DH-3451:2021	<i>HIPS – Product Data Sheet v8.2</i>
DH-3450:2021	<i>HIPS – Interface Change Log v8.2</i>

Audience

- healthcare provider organisations
- diagnostic service provider organisations
- system integrators
- software vendors

Change details

The following items are addressed by this release.

8.2

ADO ID	Summary	Change description
Enhancement 14527	Replace Advanced Search with Patient Management	The new Patient Management page has replaced the previous Advanced Search and quick search results pages. The functionality of both pages has been consolidated into the new page.
Enhancement 11413	Make adding a patient to a users "My Patients" list easier after searching for a patient	The new Patient Management page allows users to add and remove a patient from their "My Patients" list by selecting the star icon in the list of search results.

ADO ID	Summary	Change description
Enhancement 14246	HIPS UI - Add new COVID-19 and other immunisations view	<p>The Patient Summary landing page in HIPS UI, which is presented to users when they view a patient's My Health Record, has had the following changes made to it to facilitate quicker consumption of the patient's immunisation data:</p> <ul style="list-style-type: none"> • The existing "Health Record Overview" tab title has been changed to "Patient Overview", • A new "Patient Summary" section is now displayed above the "Health Record Overview" section and contains an expandable section for displaying immunisations sourced from the Australian Immunisation Register section of the patient's Medicare Overview. • The immunisations panel can be configured to highlight particular vaccines in the table, e.g. COVID-19 related vaccines. However, any vaccines can be configured. • When vaccines to be highlighted are configured there is a checkbox allowing the highlight to be toggled off and on. The "condition" in the label of this checkbox can be configured, with the default set to "COVID-19". • No vaccines to be highlighted are configured by default and the table will not show any highlights or the checkbox until they are configured. • The title of the immunisation panel can be configured by the site, with the default set to "COVID-19 and other immunisations".
Enhancement 14400	Add new Configuration Settings for Patient Management feature	<p>Three new settings have been added to the Configuration API specifically for the new Patient Management functionality:</p> <ul style="list-style-type: none"> • ViewMyHealthRecordMenuItem – controls which page the View My Health Record menu item goes to in HIPS UI. Options include: PatientList or PatientSearch. • MrnGeneration – Determines whether HIPS UI should generate MRNs automatically when registering patients, or allow manual entry. This is configurable per non-PAS feed facility. • MrnGenerationStartValue – determines the initial MRN that should be used when HIPS is configured to auto generate MRNs.
Enhancement 14436	Display the user's list of "My Patients" on the Patient Management page as the default view	<p>To make it easier for users to find their patients, the new Patient Management page will show the current user's "My Patients" list when first opened. The list of "My Patients" provides the same functionality as the search results, allowing quick access to the user's authorised HIPS UI functionality.</p> <p>The "My Patients" list is replaced by search results once the user performs a search on the page.</p>

ADO ID	Summary	Change description
Enhancement 14520	Allow users to register new patients from the Patient Management screen	For non-PAS feed facilities authorised HIPS UI users can register a new patient from the new Patient Management page by selecting the "Register New Patient" button which is enabled after a search is performed. A register patient modal will be shown allowing the user to enter the patient details. Note: If the MrnGeneration setting is set to true for the selected facility, the MRN will be automatically generated and set to read only.
Enhancement 14526	Allow updating of patient registration details from search results	The new Patient Management page in HIPS UI allows a user to update patient registration details by selecting the 'Update Registration' action button in the search results. Note: this functionality is only available for non-PAS feed facilities.
Enhancement 14528	Change Quick Search results to be displayed using the new Patient Management page	In HIPS UI the Quick Search results are now displayed on the new Patient Management page.
Enhancement 14532	Add MRN generation logic for patients registered from the HIPS UI - Patient Management page	When registering a new patient in HIPS UI, if the MrnGeneration setting is set to true, an MRN will be generated automatically by HIPS. For more detail on the MRN Generation logic refer to the HIPS UI - Manual Patient Registration page under Operational Guides.
Enhancement 14896	Include navigation back to the Patient Management page, and retain the state of search results table	After selecting an action from the new Patient Management screen, the link to go back will return to the Patient Management screen with the results table displayed as it was before clicking the action.
Enhancement 15145	Provide Test and Production defaults for NashIssuerName setting	HIPS now provides appropriate defaults for the NashIssuerName setting for non-production and production environments. Non-production environments are expected to use test NASH certificates issued by the "Test Medicare Australia Organisation Certification Authority", whereas production environments are expected to use production NASH certificates issued by the "Medicare Australia Organisation Certification Authority".

ADO ID	Summary	Change description
Enhancement 15457	Extend the table of immunisations panel, with the ability to view the Immunisation Consolidated View (ICV) document, when available, and to also view the Australian Immunisation Register document via the selection of new buttons.	<p>In HIPS UI the immunisations panel in the Patient Summary has been enhanced in preparation for the Immunisation Consolidated View document:</p> <ul style="list-style-type: none"> • If immunisations from the Australian Immunisation Register are available in the patient's My Health Record, the immunisations panel will show the table of immunisations from the Australian Immunisation Register extracted from the Medicare Overview, with configurable highlighting functionality. • The immunisations panel can be configured to highlight particular vaccines in the table, e.g. COVID-19 related vaccines. However, any vaccine names can be configured for highlighting. • When vaccines to be highlighted are configured there is a checkbox allowing the highlight to be toggled off and on. The "condition" in the label of this checkbox can be configured, with the default set to "COVID-19". • No vaccines to be highlighted are configured by default and the table will not show any highlights or the checkbox until they are configured. • If information from the Australian Immunisation Register is available in the patient's My Health Record, the Australian Immunisation Register button will appear in the panel. This button displays an Australian Immunisation Register document with information from the Australian Immunisation Register. • Once the My Health Record Release 12 is available, HIPS sites may configure the document type code of the Immunisation Consolidated View in the ImmunisationDocumentTypeCode setting. This will enable the Immunisation Consolidated View button. This button will display a Immunisation Consolidated View document with information from the Australian Immunisation Register and other documents in the My Health Record. • The panel title is configurable and by default is 'COVID-19 and other immunisations'.
Enhancement 15458	Add ClinicalDocumentGet stored procedure enhancement	The hips.ClinicalDocumentGet stored procedure has been enhanced and now performs significantly better.

ADO ID	Summary	Change description
Enhancement 15464	Disable Assisted Registration functionality in HIPS	<p data-bbox="708 302 1361 584">Continuing to maintain Assisted Registration functionality in HIPS is a large overhead, particularly in regression and conformance testing. Recent investigation into the relevance of Assisted Registration moving forward found that the usage is very very low, with sites confirming they do not see any benefit in continuing to offer Assisted Registration as part of the HIPS functionality, therefore all Assisted Registration functionality has been disabled in this release.</p> <ul data-bbox="759 607 1361 860" style="list-style-type: none"><li data-bbox="759 607 1361 696">• HIPS Core Assisted Registration services will now return the following SystemError response or fault: "Assisted Registration is disabled."<li data-bbox="759 703 1361 763">• Assisted Registration pages in HIPS UI have been removed.<li data-bbox="759 770 1361 860">• All references to Assisted Registration in Configuration and Documentation now include a note that "Assisted Registration is disabled."

ADO ID	Summary	Change description																														
Enhancement 15664	Allow Others tab document type exclusions to be configurable	<p>HIPS UI has been enhanced to allow a configurable list of document class codes to be excluded from displaying in the table of documents on the Others tab of the View My Health Record page, using the OtherTabDocumentTypeExclusions setting. HIPS UI invokes the My Health Record service getDocumentList to obtain a list of active documents within the specified date range. If the document list returned from getDocumentList includes a document with a class code that appears in the list in the setting OtherTabDocumentTypeExclusions, that document is not shown in the table. Certain excluded document types, such as Medicare/DVA Benefits Report, may not be displayed, even if their class code is removed from the list, because they are not returned by the getDocumentList service.</p> <p>The default value excludes the following document classes, because they are intended to be displayed elsewhere in the View My Health Record page.</p> <table border="1"> <thead> <tr> <th>Class Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>100.16696</td> <td>Advance Care Directive Custodian Record</td> </tr> <tr> <td>100.16975</td> <td>Advance Care Information</td> </tr> <tr> <td>100.16659</td> <td>Australian Immunisation Register</td> </tr> <tr> <td>100.16671</td> <td>Australian Organ Donor Register</td> </tr> <tr> <td>100.32034</td> <td>Immunisation Consolidated View</td> </tr> <tr> <td>100.16957</td> <td>Diagnostic Imaging Report</td> </tr> <tr> <td>100.16765</td> <td>Dispense Record</td> </tr> <tr> <td>100.16767</td> <td>Medicare Overview</td> </tr> <tr> <td>100.16644</td> <td>Medicare/DVA Benefits Report</td> </tr> <tr> <td>100.32002</td> <td>Medicines View</td> </tr> <tr> <td>100.32001</td> <td>Pathology Report</td> </tr> <tr> <td>100.16650</td> <td>Pharmaceutical Benefits Report</td> </tr> <tr> <td>100.16764</td> <td>Prescription Record</td> </tr> <tr> <td>60591-5</td> <td>Shared Health Summary</td> </tr> </tbody> </table>	Class Code	Description	100.16696	Advance Care Directive Custodian Record	100.16975	Advance Care Information	100.16659	Australian Immunisation Register	100.16671	Australian Organ Donor Register	100.32034	Immunisation Consolidated View	100.16957	Diagnostic Imaging Report	100.16765	Dispense Record	100.16767	Medicare Overview	100.16644	Medicare/DVA Benefits Report	100.32002	Medicines View	100.32001	Pathology Report	100.16650	Pharmaceutical Benefits Report	100.16764	Prescription Record	60591-5	Shared Health Summary
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Enhancement 17113	Remove Pin/Unpin/Pinned references from HIPS UI and replace with more descriptive and intuitive terminology	<p>The terminology used in HIPS UI for maintaining a user's list of patients assumed users would have familiarity with the concept of pinning, which may not be intuitive for all users. HIPS UI has been modified to replace Pin/Unpin/Pinned references with more descriptive and intuitive terminology. Pinned patients are now referred to as "My Patients".</p>																														
Defect 8765	The update button displayed after performing an MRN lookup can result in a new patient being created if the MRN in the lookup field is changed before clicking update	<p>HIPS UI will no longer present the Register or Update button in the Lookup by MRN section on the patient list page after the Lookup MRN is performed if the value originally entered in the MRN field is modified.</p>																														

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Defect 9486	Title of document modal view does not update to show document type when finished loading	Previously when opening a CDA document in the View My Health Record screen, the modal title would remain in the format "Downloading document for Smith, John 1-Mar-1980 MRN: 12345 (RCH)" even when completely downloaded. The intended behaviour was to update the modal title by replacing the "Downloading document" part with the document type once the document has finished downloading, for example "Discharge Summary for Smith, John 1-Mar-1980 MRN: 12345 (RCH)". This intended behaviour has been restored.
Defect 11424	Navigation links in the Medicine tab do not work in Firefox	A defect in Firefox prevented internal links in CDA documents displayed in frames inside HIPS UI from scrolling the page up and down. This did not affect the links that open the attachments of the document. A workaround for Firefox has been added on the View My Health Record page. The workaround uses JavaScript to scroll the page to bring the target of the link into view.
Defect 14533	In recent Edge/Chrome browsers, when viewing the My Health Record in embedded mode, after navigating from the attached PDF back to the CDA document, the Print button has no effect	Changes in recent versions of the Edge and Chrome browsers were found to cause an issue in HIPS UI. When viewing the My Health Record in embedded mode and after navigating from an attached PDF back to the CDA document the Print button had no effect. This issue has now been resolved.
Defect 14898	Quick search is displayed regardless of configured permissions	Quick search is no longer visible to a user when they do not have authorisation to access the functionality.
Defect 15059	Quick search bar on the Adult and Child Assisted Registration page logs a jQuery error and does not execute the search	In HIPS UI the quick search bar on the My Health Record assisted registration pages did not execute a search and would throw a jQuery related error on the browser console, the issue has been resolved, and the quick search can now be used from this page.
Defect 15088	HL7 Ack queue can occasionally get the error "Input string was not in a correct format" which causes message to retry indefinitely	The queue consumer code that retrieves a new item from the each of the HL7/Reports and HL7/Acknowledgements queues has been made more resilient to avoid a situation where an error caused an item to retry indefinitely.
Defect 15136	Unable to view document when document contains invalid patient date of birth	HIPS UI will now handle missing demographic information in CDA documents and return friendly demographic mismatch warning messages rather than exceptions or invalid document errors.
Defect 15175	HL7MessageLog update stored procedure incorrectly truncates CorrelationId to 40 characters	The CorrelationId parameter in the HL7MessageLogUpdate stored procedure has been adjusted to support 200 characters to prevent truncating of the value in the HL7MessageLog table when they are updated.

ADO ID	Summary	Change description
Defect 15185	Failure to revalidate an IHI when existing enterprise patient is registered into a new facility due to not checking for demographic change	Previously HIPS would skip revalidation of an IHI with demographic mismatch status when an existing enterprise patient was registered into a new facility with different demographics, as HIPS would not check for demographic changes. HIPS will now perform demographic checks for these patients, and will revalidate the IHI if a change in demographics is detected, as it currently does for other existing patients.
Defect 15283	Quick search finds no results when searching for multiple given names	<p>The default value for BasicPatientSearchHelp setting has been updated to clarify how names can be searched for using the quick search functionality.</p> <p>The following default description applies when full text indexing is not enabled on the database:</p> <p><i>"Search for a patient by entering the MRN, Medicare, DVA, IHI or name. To search by name, you may enter the surname alone, or the full name as 'Surname, Firstname Middlenames' or 'Firstname Middlenames Surname'."</i></p> <p>If full text search indexing is enabled during HIPS installation process (using the Optional_HIPS_EnableFullTextIndexSearch.sql file), unless already set by the site the BasicPatientSearchHelp setting value will be changed to:</p> <p><i>"Search for a patient by entering the MRN, Medicare, DVA, IHI or name. To search by name, you may enter the surname alone, a single given name or the full name with surname and one or more given names."</i></p> <p>Sites can further customise the BasicPatientSearchHelp setting value using the Configuration Management page in HIPS UI, or via the Configuration CLI.</p>
Defect 15726	Users should not be able to access the login page when already logged in	Previously in HIPS UI, when an authenticated user tried to access the login page, such as via a bookmark, they would be presented with the login page surrounded by navigation. This was due to the user already being authenticated. HIPS UI will now prevent the login page from being displayed to users who are already logged in. Instead, it will redirect to the page specified in the return url, or if not specified it will redirect to the home page.
Defect 16910	Double IHI look up is occurring when ADT message includes updated patient demographics	A defect introduced in HIPS 8.0 has been resolved which would cause double IHI lookups to be performed when an ADT message with invalid demographics was followed by another ADT message that contained updated and valid patient demographics.

Removed functionality

As new and improved functionality is introduced to HIPS, some older implementations of similar functionality may be removed from time to time to reduce the overhead in maintaining outdated functionality and encourage sites to adopt the new improved functionality. In this release the following functionality has been removed:

ADO ID	Summary	Rationale for removal	Revised operational process
14527	<p>Replace Advanced Search with Patient Management</p> <p>The Advanced Search page in HIPS UI was initially released with HIPS 7.0 and has been replaced with the Patient Management page in HIPS 8.1.</p>	<p>Consolidation of various search capabilities used in HIPS UI.</p>	<p>Users should instead use the new Patient Management page which was introduced in this release and includes all the core functionality of the Advanced Search page, along with significant enhancements that allow users to add, register, and view patients in one place.</p>
15464	<p>Disable Assisted Registration functionality in HIPS</p> <p>Assisted registration functionality has been disabled in HIPS.</p>	<p>Continuing to maintain Assisted Registration functionality in HIPS is a large overhead, particularly in regression and conformance testing. Recent investigation into the relevance of Assisted Registration moving forward found that the usage is very low, with sites confirming they do not see any benefit in continuing to offer Assisted Registration as part of the HIPS functionality.</p>	<p>The consumer can follow the instructions in the following link: Register for a My Health Record My Health Record.</p>

Deprecated functionality

As new and improved functionality is introduced to HIPS, some older implementations of the same functionality may be deprecated from time to time to reduce the overhead in maintaining outdated functionality and encourage sites to adopt the new improved functionality. In this release the following functionality has been deprecated:

Note: Deprecated functionality remains in the release it is deprecated in and may be removed in the next major release.

No functionality was deprecated in this release.

Known issues

The following open issues exist in this release:

ADO ID	Summary	Issue description
12508	HIPS UI is unable to load any pages when the Server Technology Information is configured to be hidden on Windows Server 2012	<p>A fix was implemented as part of <i>ADO 9212 Server Technology Information Disclosure</i> at the recommendation of a security assessment which removed the Server response headers when the HIPS-UI server returns information. This fix was not compatible with Windows Server 2012 and IIS <10.0 and caused the HIPS UI site to return a 500 response code when loading pages. It also causes the deployment script to error on the HIPS UI verification step.</p> <p>Resolution</p> <p>Option 1. The recommended solution for this issue is to install the new version of HIPS on the latest supported Windows OS.</p> <p>Option 2. If sites would like to proceed with the installation on Windows Server 2012, prior to installation sites should modify the <i>HIPS-Web\runtime\web\Web.config</i> located in the installation package by removing the following section from the file:</p> <pre><security> <requestFiltering removeServerHeader="true" /> </security></pre> <p>Please note the server hosting HIPS-UI will return information on what technology and version of the technology it is running if this option is used.</p>
13893	Support users with only one name	<p>HIPS web services have validation on the LocalUser DTO that requires both Given Names and Family Name to be not null or empty.</p> <p>Unfortunately, HIPS does not have any special support for users who have only one name. There is no OnlyName flag and HIPS cannot tell the difference between users who really have only one name, and users whose name was left out. HIPS therefore requires a value for both GivenNames and FamilyName.</p> <p>Workaround</p> <p>Sites that have users with only one name could work around this limitation by:</p> <ul style="list-style-type: none"> • duplicating the user's only name in both the First and Last name fields, or • putting the user's only name in one of the fields and a dummy value in the other.

ADO ID	Summary	Issue description
13871	Operational Insights alert "IHI Lookup Alert" should not include failures due to HI service unavailability	Although built to the requirements, while testing we found the IHI Lookup Alert for Operational Insights currently has unreliable results due to the inclusions of HI Service availability outcomes. HI Service availability outcomes are managed by a separate metric so this metric should be redesigned in a future release to exclude the availability related results.
15766	Internal anchor links do not work in View and Remove Uploaded Documents in Firefox	<p>In HIPS UI when viewing local documents in the 'View and Remove Uploaded Documents' area, internal anchor links within a CDA document, that are intended to scroll up or down to other points in the document, have no effect in Firefox. Most HIPS sites will be unaffected because they do not upload documents that contain links to other points in the document.</p> <p>Resolution</p> <p>People who use Firefox and view a locally uploaded document that contains internal anchor links will need to manually scroll the page rather than rely on the links within the document.</p>
17179	Print button is not working in Firefox when opening the Help pdf document in the Medicine view tab	<p>When using Firefox to view HIPS UI, users are unable to print the Help pdf document that is accessible by a link in the Medicines document.</p> <p>Workaround</p> <p>We do not expect users will want to print this help document, however if they do they should use an alternate supported browser.</p>

Assurance

HIPS v8.2 has undergone the following conformance assessments:

- Healthcare Identifiers (HI) service
 - Notice of Connection (NOC)
- 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 v8.1 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 Conditions* (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.

Sites using HIPS binaries built from source code 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.

Implementers who do this must undertake comprehensive conformance testing with the Healthcare Identifiers (HI) Service and the My Health Record system.

Please contact the Agency for details of available support services.

For further support or to provide feedback, please email help@digitalhealth.gov.au

Future releases

HIPS will be released on an ad hoc basis, based on providing new functionality or other changes as required. Typically, this has a cadence of one annual major release and 2-3 minor releases per year, with patch releases as required.

Previous releases

Date	Version
December 2020	HIPS v8.0.1 is a concurrent patch release for HIPS v8.0 and resolves a critical defect in HIPS UI.
December 2020	<p>HIPS v8.0 is a major product release addressing the following:</p> <ul style="list-style-type: none"> Operational Insights Up-to-date HIPS online documentation Automated installation Security by default Deprecation of obsolete interfaces And more – refer to HIPS 8.0 release notes for full detail.
April 2020	<p>HIPS v7.3 is a minor product release addressing the following:</p> <ul style="list-style-type: none"> Advance Care Planning and Goals of Care Uploads HL7 Validation and processing enhancements Security enhancements
September 2020	<p>HIPS v7.2.4 is a patch release for HIPS v7.2. It provides added resilience for database timeouts after uploading documents.</p>
July 2020	<p>HIPS v7.2.3 is a patch release for HIPS v7.2. It provides important defect fixes for the use of the HIPS User Interface in Embedded Mode.</p>
February 2020	<p>HIPS v7.2.2 is a patch product release addressing several defects on the HIPS UI View and Remove Documents screen. Note that some document components in v7.2 have not required updating for v7.2.2 and remain relevant to v7.2.2.</p>
September 2019	<p>HIPS v7.2.1 is a patch product release addressing a defect regarding patients without an IHI not appearing in the "Patients without IHI" list in HIPS UI Note that some document components in v7.2 have not required updating for v7.2.1 and remain relevant to v7.2.1.</p>
August 2019	<p>HIPS v7.2 is a minor product release addressing the following:</p> <ul style="list-style-type: none"> Pharmacist Shared Medicines List with HPI-I relaxation CSP certificates IHI search by address IHI creation for newborns My Health Record Assisted Registration for dependants
July 2020	HIPS v7.1.4 is a patch release that removes an issue that could expose a HIPS site to HI Service compliance risks.
July 2020	HIPS v7.1.3 is an incremental release that incorporates an enhancement to the HIPS v7.1.2 patch release.
January 2020	<p>HIPS v7.1.2 release incorporates enhancements to the HIPS v7.1.1 minor release:</p> <ul style="list-style-type: none"> Add user's name to ID field in HI Service requests for auditing
June 2019	<p>HIPS v7.1.1 release incorporates enhancements and defect fixes to the HIPS v7.1.0 minor release:</p> <ul style="list-style-type: none"> 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	<p>HIPS v7.1.0 is a minor product release candidate used for acceptance testing and addresses the following:</p> <ul style="list-style-type: none"> defect fixes user interface advance search improvements user interface patient summary enhancements.

Date	Version
March 2019	<p>HIPS v7.0.2 is a minor product release addressing the following:</p> <ul style="list-style-type: none"> • 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	<p>HIPS v7.0.1 is a minor product release addressing the following:</p> <ul style="list-style-type: none"> • 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. <p>For a comprehensive list of changes, please refer to the Release Notes for HIPS v7.0.1.</p>
December 2018	<p>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.</p> <p>It consolidates a number of previous branch releases and customisations, making it a suitable target release for upgrades of outdated HIPS installations.</p> <p>The following key improvements are included in this release:</p> <ul style="list-style-type: none"> • 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). <p>For a comprehensive list of changes, please refer to the Release Notes for HIPS v7.0.</p>
November 2018	<p>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.</p>
October 2018	<p>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:</p> <ul style="list-style-type: none"> • 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. <p>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.</p>
October 2018	<p>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.</p>
September 2018	<p>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.</p>

Date	Version
December 2018	<p>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.</p>
August 2018	<p>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.</p>
November 2018	<p>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.</p>
June 2018	<p>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.</p>
April 2018	<p>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.</p>
November 2016	<p>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.</p> <p>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:</p> <ul style="list-style-type: none"> • Pathology Report View • Diagnostic Imaging Report View • Health Record Overview. <p>The following functionality from HIPS v5.0 that was not part of eHISC v6.0 has been included in this release:</p> <ul style="list-style-type: none"> • support for Secure Message Delivery (SMD) • integration with national directory services (NHSD, NEPS).
April 2016	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>

Date	Version
February 2016	eHealth Integration Sample Code (eHISC) v2.0.3
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 <code>IsPcehrAdvertisedLocal</code> 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 that 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 eHealth Integration Sample Code (eHISC) v2.0

Release rationale

eHISC v2.0 had multiple enhancements, as listed below.

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	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>
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	<p>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.</p> <p>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</p>

Date	Version
	<p data-bbox="600 300 1342 349">same eHISC instance, as the validity of these numbers is checked by the eHISC system administrator during configuration.</p> <p data-bbox="352 376 1417 607">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.</p>
April 2014	<p data-bbox="347 640 746 663">eHealth Integration Sample Code (eHISC) v1.0</p> <p data-bbox="347 707 501 730">Release rationale</p> <p data-bbox="347 741 1433 790">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.</p>

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