



HIPS

Release Note

30 March 2026 v9.1

Approved for external use

Document ID: DH-4271:2026

Related end product identifier: EP-4270:2026

Release rationale

HIPS 9.1 is a minor release providing new functionality to the HIPS product suite.

Key features and changes include:

- Searching and validating HPI-Is in Clinical Admin UI.
- Managing local providers in Clinical Admin UI.
- Visibility of pending and failed document operations on HIPS message queues in Clinical Admin UI, to assist with Share by Default legislation.
- Modernising the HIPS architecture by moving the IHI lookup functionality from HIPS into a separately installable IHI Microservice, which enables conformance to the HI Service v5.0 profile and includes Mobile and Email search.
- Cleanup of legacy database tables that are no longer used by the application.
- Moving the HIPS registration and activation process from HIPS into the HIPS Core APIs.
- Addressing several defects impacting sites in previous releases.

Package inclusions

Updated (supersedes previous version)

Identifier	Name and version
DH-4271:2026	<i>HIPS – Release Note v9.1 (this document)</i>
DH-4273:2026	<i>HIPS – Binary Software Package v9.1</i>
DH-4275:2026	<i>HIPS – Functional Change Log v9.1</i>
DH-4274:2026	<i>HIPS – Product Data Sheet v9.1</i>
DH-4276:2026	<i>HIPS – Interface Change Log v9.1</i>

Audience

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

Change details

The following items are addressed by this release.

ADO ID	Summary	Change description
Defect 16944	Different patients with same the name, sex and dob, but different IHIs are incorrectly flagged as duplicates when HIPS performs an IHI validation and only considers the core demographics in duplicate checks	A defect in the logic used to raise the Potential Duplicate Patient alert has been fixed in this HIPS release. Different patients with the same name and date of birth, but different IHIs, were incorrectly flagged as duplicates after HIPS performed an IHI lookup using the IHI. When HIPS performed the lookup with the Medicare or DVA number it did not flag the patients as duplicates, however once the DateLastValidated is no longer within the configured period, HIPS starts to use the IHI to revalidate the IHI and when checking if there are any suspected duplicate patients in the HIPS database, it would only use the first name, last name and date of birth, which could result in a false duplicate being flagged. This logic has been changed with the adoption of the IHI Microservice, so now the complete search criteria, including the IHI, is used for searching the IHI Microservice database to find potential duplicate patient records. As a result, it is no longer necessary to enable the IhiAllowMHRAccessForDuplicates as a workaround to allow patients with the same name and DOB to have documents uploaded against them and to allow clinicians to view a patient's MHR when another patient has the same name and DOB.
Defect 37129	FailedMHRUploadInteractions view returns details for uploads that ultimately succeeded	The admin view FailedMHRUploadInteractions is intended to return details of upload attempts that have failed. However, if an upload attempt initially fails but is retried and subsequently succeeds this was also included in the results. Previously failed uploaded documents, which get uploaded successfully, are no longer displayed by the FailedMHRUploadInteractions view.
Defect 37598	RegisteredGivenName column can store a middle name instead of the original given name when invalid demographic details were provided along with an IHI and an IHI could not be validated	With the adoption of the IHI Microservice in this release of HIPS this defect is no longer present in the product. HIPS will now correctly store the provided names when an IHI is supplied to HIPS.
Defect 37642	HIPS Installation - environment scoped settings in Configuration.psd1 fail for Production	Product registration is now achieved using the installer for HIPS Core APIs. An issue with product registration that was previously triggered by including environment-scoped settings in the Configuration.psd1 for HIPS deployment can no longer occur because of this rearchitecting of the registration process.

ADO ID	Summary	Change description
Defect 37646	Null reference exception occurs when calling the HpiiServiceV8_0_0 HpiiIdentifierSearch web service or when the Alert Monitor process attempts to retrieve a missing certificate	When no HI Certificate is configured for an organisation, a null reference exception no longer occurs when calling the HpiiServiceV8_0_0 HpiiIdentifierSearch web service or when the Alert Monitor process attempts to retrieve the missing certificate.
Defect 39165	Patient's email address does not get saved to the database	The value of XTN-4 Email Address was not being used to store the email, despite the documentation suggesting it would. It is now used so that the email address contact is saved correctly.
Defect 43635	HIPS should not raise alert when an identifier is removed but IHI is valid with remaining identifiers	When a patient was registered in HIPS and their IHI was found with an ADT message that contained a DVA number, and then a subsequent ADT message arrived into HIPS with the DVA number removed (or replaced with an empty string), HIPS would record an IHI lookup alert of type Medicare/DVA Change Mismatch, with the message "Insufficient information for IHI search: Medicare or DVA number is required" and HIPS was not able to upload to or view the MHR for this patient until the alert is resolved, regardless of if there was other valid information available to perform a search, such as Medicare number. With the improved search logic of the IHI Microservice, HIPS no longer has this issue.
Defect 44106	Index out of range exception occurs when OBX-5 is missing the usual components	An index out of range exception would occur if OBX-5 was missing the usual components. HIPS now returns a validation error if OBX-5 is not valid.
Defect 47204	In Clinical Admin a blank Patient Overview page presents when URL contains Patient Identifier that does not exist	If the user enters a URL with an invalid patient in Clinical Admin, they will now be directed to the Patient Search page.
Defect 48163	Internet Explorer unsupported page incorrectly includes Safari as a supported browser	The Internet Explorer unsupported page in Clinical Admin has been updated to remove Apple Safari as a supported browser.
Defect 52541	SkipIhiValidation for facility scope doesn't work as intended	There was an issue in prior versions of HIPS with the former implementation of the SkipIhiValidation setting; the BypassHiService setting. When facility scopes were introduced to the product, they were not applied to the BypassHiService setting completely, and it would use the value from the global scope. It is unlikely sites would have observed any issue as it is not common to apply a facility scope to that setting. With the implementation of the IHI Microservice into the HIPS Product Suite, this issue has been solved and facility scopes are respected for the SkipIhiValidation setting.
Defect 55992	An error is displayed when tried to open tiff attachment from viewer in Clinical Admin	Fix issue where Clinical Admin was not able to render and display attachments to a patient's document where the attachment is a *.tiff file.
Defect 56545	HPI-I value provided in ProviderUser in HPI-I batch search request doesn't get stored in [HpiiLookupAudit].OperatorHpil column	When HPI-I batch search was performed using ProviderUser user type with HPI-I, the HPII value did not get stored in HpiiLookupAudit.OperatorHpil column. HIPS will now store the HPI-I value in the OperatorHpil column.

ADO ID	Summary	Change description
Defect 56921	ADT A45 and A51 move visit messages should not log a null reference exception after they are processed successfully	A change in HIPS 8.0 introduced a defect that caused the logging of an error message, <code>IhiErrorException: Object reference not set to an instance of an object</code> , when the <code>DatabaseLoaderService NotifyPasEvent</code> web service processes an HL7 ADT A45 or A51 message for moving an episode from one patient record to another. The message is successfully processed but a null reference exception occurs in the logic that handles IHI validation after the message is processed. This defect is fixed in HIPS 9.1.
Enhancement 18064	Populate a failure reason code in the MSA segment of NACKs for ADT and ORU messages	Negative HL7 v2 ACK messages generated by HIPS now contain a failure reason code in the MSA segment at MSA-6.1 (Error condition: ID). This allows integration developers to configure their interface with HIPS to retry for certain failure reason codes but not for others. This enhancement applies to both the immediate ADT/SIU ACK messages returned by the <code>NotifyPasEvent</code> interface and the asynchronous ORU ACK messages returned on completion of processing a request submitted via the <code>UploadOrRemoveDiagnosticImagingReport</code> and <code>UploadOrRemovePathologyReport</code> interfaces.
Enhancement 29646	Update My Health Record system and HI Service error codes	The My Health Record system and HI Service error codes have been updated using the latest error codes data.
Enhancement 37943	HIPS - Enable sending of negative ACK when all retries are exhausted	A new status, Pending Cancellation, has been added for queued operations. This new status is used when a queued operation reaches its maximum number of retries so that the next attempt to process the operation will result in any final processing, such as enqueueing an asynchronous negative acknowledgement, before setting the operation as failed. A new feature in the Clinical Admin UI to cancel a pending queued operation will also set the operation to 'Pending Cancellation' to indicate to the relevant queue consumer that any final processing should be performed before setting it as failed.
Enhancement 41297	Improve API docs by indicating which elements are mandatory and validation rules	The HIPS API documentation now extracts data directly from the actual validation code to provide additional information against the service contract documentation. Request objects may include a "Validation" column with extra property information such as whether required or optional, lengths, range constraints and some custom validation details.
Enhancement 44888	Installation should allow for and recommend separate accounts are used to connect to web services and for hosting the HIPS components	The <code>Install.ps1</code> and product documentation have been updated with recommendations on the types and permissions needed for accounts for various product purposes.
Enhancement 45419	Clinical Admin - Pre-populate IHI field on Patient Search with first 6 digits	An IHI is always prefixed with the same first numbers "800360". A usability change has been made to Clinical Admin UI such that when clicking in the IHI search field in the patient search card, the first 6 digits are now pre-populated to 800360.

ADO ID	Summary	Change description
Enhancement 46849	Support uploading e-Referral CDA documents to MHR	HIPS has been capable of uploading e-Referral documents but was not configured with this support by default. HIPS now includes the relevant configuration to support uploads of e-Referral documents.
Enhancement 47611	Clinical Admin - Improve the usability of the patient search form	Updated the patient search form so that the IHI and MRN options are separated via a dual button toggle.
Enhancement 47654	Clinical Admin - Create Message Queue List Page	Created a new page to display message queue lists for message queue requests being processed by HIPS.
Enhancement 47655	Clinical Admin - Setup Message Queue Request Lists	Defined separate message queue lists to view requests by the name of the queue they are being processed in.
Enhancement 47657	Clinical Admin - Refresh Message Queue List on Refresh Button Click	Users can refresh the information of a queued message request list to get up-to-date information on messages being processed through the HIPS queues.
Enhancement 47661	Clinical Admin - Update Sidebar Menu Options to Display Message Queue List Item Count	Clinical administrators can view the number of pending queue requests alongside the sidebar menu links for each queue list.
Enhancement 47662	Clinical Admin - Create Message Queue Item Audit Page	Created a new page to display message queue item audit information for a specified document. Updated document status data with a pending or failed value to display as a link to the new message queued request status page
Enhancement 47663	Clinical Admin - Add Pagination, Jump to Top and Filtering to Message Request System Log list	The Clinical Administrator can now sort and filter the list of system logs, view paginated system logs, and jump to the top of the page.
Enhancement 47664	Clinical Admin - Refresh Message Queue Item Audit Log on Refresh Button Click	Users can refresh the information of a queued message request to get up-to-date information on the request.
Enhancement 47891	Clinical Admin - Display Message Queue Item Summary	Users can click on the status (when in pending upload or remove) of a document to view the status of the queue operation.
Enhancement 47892	Clinical Admin - Display Error Log and Retry History for an Errored Message Queue Item	Users can click on the status (when in pending upload or remove) of a document to view the status of the queued operation and the associated system log messages for the queued operation.
Enhancement 47893	Clinical Admin - Add Action to Manually Retry a Failing/Retrying Upload	For message queue requests in a failed state, users can manually request to retry a message queue item for processing.
Enhancement 47894	Clinical Admin - Add Action to Cancel a Pending Request	For message queue requests in a pending state, users can manually request to cancel a message in the message queue, with the option to provide a custom failure reason.

ADO ID	Summary	Change description
Enhancement 47895	Clinical Admin - Add Filtering and Sorting to Message Queue Lists	Clinical administrators can filter queue lists by text, state or operation (where applicable). Clinical administrators can sort queue lists by date queued and number of retries.
Enhancement 47896	Clinical Admin - Add Navigation from Message Queue List to the Message Queue Item Audit Page	Users can easily view the detailed summary, status and system event logs of a message request in the queue by selecting a message queue request from the list.
Enhancement 48263	Use the latest version of the CDA rendering stylesheet in Clinical Admin	The CDA stylesheet has been updated to the latest version 1.7.6.
Enhancement 49005	Clinical Admin - Display Uploading Documents in Document Lists	Documents being uploaded will now display in the list of documents for a patient as a document upload.
Enhancement 49083	HIPS should pass through demographics for patients with a single name received via ADT and ORU requests to the IHI Microservice to allow for IHI search	HIPS is now capable of finding IHIs for patients who only have a single name, by passing the single name demographics received in ADT and ORU messages to the IHI Microservice for searching.
Enhancement 49085	HIPS should pass through demographics for patients with a double barrel name to the IHI Microservice to allow for IHI search	HIPS is now capable of accurately finding IHIs for patients who have double-barrelled names by constructing different combinations of given name demographics received in ADT and ORU messages and sending them all to the IHI Microservice for searching.
Enhancement 49096	The check demographics web service should be updated to use the IHI Microservice via HIPS	The PUMA service used by the Check Demographics feature in HIPS UI now uses the IHI Microservice instead of calling the HI Service directly. The Check Demographics feature continues to work once enabled in HIPS UI.
Enhancement 49129	Create the hips.HospitalPatientIhi table in preparation for IHI Microservice Integration	A hips.HospitalPatientIhi table has been added to the HIPS database. This table will be responsible for holding merged data from hips.PatientMasterIhi and hips.HospitalPatient tables and extending it with data received from the IHI Microservice, enabling the integration with the IHI Microservice.
Enhancement 49155	Remove the registration process from HIPS	The HIPS registration process has been removed from HIPS Core 9.1.0 installation.
Enhancement 49169	HIPS should refuse to merge a record where the two records have different IHIs	HIPS will now refuse to merge two records if the patients have different IHIs. These records should not be used until support staff have selected the correct one to be associated with the merged patient health record and reset the IHI on the invalid record, thus enabling the merge to proceed. The HI Service should be notified of a potential duplicate IHI (two different IHIs for the same person).

ADO ID	Summary	Change description
Enhancement 49173	Remove database objects that are no longer needed once the IHI Microservice is in use	<p>The following tables have been removed from the HIPS database due to changes to support the new IHI Microservice:</p> <ul style="list-style-type: none"> hips.PatientMasterIhiSearchCriteria hips.IhiFoundBy hips.UnitTypeCode hips.StreetTypeCode hips.StreetSuffixTypeCode hips.StateCode hips.SexCode hips.PostalDeliveryTypeCode hips.LevelTypeCode hips.CountryCode hips.UnitType hips.StreetType hips.StreetSuffixType hips.PostalDeliveryType hips.LevelType
Enhancement 49203	Clinical Admin - Display Detailed Information from a System Event for a Message Queue Item	Message queue request system log events are displayed in a more user-friendly manner.
Enhancement 49401	Upgrade Clinical Admin Angular version to latest available 20.x version	Clinical Admin has been upgraded to use Angular v20, ensuring it stays current with the latest security patches while gaining access to new features and performance enhancements.
Enhancement 49405	Clinical Admin - Create new provider search page	Clinical Administrator can now access a new option in the sidebar menu, which will navigate them to the Provider search page.
Enhancement 49406	Clinical Admin - Create search form to search for provider by identifier	Clinical Administrators can now search for health providers either by their HPI-I or Ahpra registration identifier.
Enhancement 49408	Clinical Admin - Create search results component to display results for search for provider by identifier	Clinical Administrators can now search for health providers by providing demographic information as part of the search query.
Enhancement 49411	Clinical Admin - Create search form to search for provider by demographics	Clinical Administrators can now search for health providers either by their Australian or international address.
Enhancement 49413	Clinical Admin - Use existing search results component to display search results for a demographic search	Clinical Administrators can search for providers by providing demographic information, with search results returned in a consistent manner.
Enhancement 49414	Clinical Admin - Add new local provider from search results	Clinical administrators can now create new local provider records from a provider search result.
Enhancement 49415	Clinical Admin - Edit an existing local provider from search results	Clinical administrators can now edit, activate and deactivate local provider records from a provider search result.

ADO ID	Summary	Change description
Enhancement 49416	Clinical Admin - Deactivate a local provider from search results	Clinical Administrators can deactivate local providers at a selected date and time.
Enhancement 49417	Clinical Admin - Activate local provider from search results	Clinical Administrators can activate local providers.
Enhancement 49435	Handle HPI-I resolved status lookup	Clinical administrators can now view the results for a provider's active HPI-I when a resolved HPI-I is provided.
Enhancement 49436	Clinical Admin - Create new page to list local providers	Clinical Administrator can now view the list of local providers for facilities they have access to.
Enhancement 49437	Clinical Admin - Add new local provider from the list of local providers	A Clinical Administrator can add local providers for facilities they have been provided access.
Enhancement 49520	Clinical Admin - Edit an existing local provider from the list of local providers	Clinical Administrators can edit local providers for facilities they have access to.
Enhancement 49590	Clinical Admin - Update Sidebar Menu Options to Display Message Queue List Pages	Message queues can be accessed via links presented in the sidebar menu.
Enhancement 49595	Clinical Admin - Retrieve Message Queue Request Lists	Clinical Admin will now provide real-time snapshots of message queue requests in any of the HIPS queues.
Enhancement 49596	Clinical Admin - Update Navigation Back from Message Queue Summary Page to Message Queue List	When a clinical administrator navigates to a message request page via the queue list, they can navigate back to the list by selecting the breadcrumb on the message request page.
Enhancement 49799	Clinical Admin - Add Filtering and Sorting to Local Provider List	Clinical Administrator can now sort and filter the list of local providers.
Enhancement 50028	Add support for email search for IHIs via the IHI Microservice	HIPS is now integrated with the new IHI Microservice product, which includes the ability to search for patient IHIs using their email address. If email addresses are shared with HIPS in ADT or ORU feeds in the PID-13 or PID-14, they will be sent to the IHI Microservice and may be used to search for an IHI.
Enhancement 50029	Add support for mobile search for IHIs via the IHI Microservice	HIPS is now integrated with the new IHI Microservice product, which includes the ability to search for patient IHIs using their mobile number. If personal or business mobile numbers are shared with HIPS in ADT feeds, they will be sent to the IHI Microservice and may be used to search for an IHI.
Enhancement 50033	Separate the BypassHiService configuration option to allow for IHI and HPPII interactions to be handled separately	HIPS now allows more granular configuration for bypassing the HI Service, allowing IHI and HPPII validation in HIPS to be enabled separately. The new settings are SkipIhiValidation and SkipHpiiValidation, and they replace the BypassHiService setting.

ADO ID	Summary	Change description
Enhancement 50099	Develop a script to migrate data from hips.PatientMasterIhi and hips.HospitalPatient tables into the hips.HospitalPatientIhi table and to remove the hips.PatientMasterIhi table	When upgrading a HIPS database to version 9.1 or later, the upgrade process will run a script to merge data from the hips.PatientMasterIhi table and hips.HospitalPatient table into the hips.HospitalPatientIhi table. This migration may take some time to execute on large HIPS databases. For sites who have used the Enterprise Patient ID feature to link patient records across facilities, this process will result in there being more rows in the hips.HospitalPatientIhi table compared to the hips.PatientMasterIhi table, because one patient master can exist in multiple hospitals, and these will all need to be represented separately. This is because the IHI Microservice is designed to keep a separate record of the IHI for each individual in each source registration system, which is a hospital or facility in the HIPS context.
Enhancement 50100	Create a new view hips.PatientMasterIhi to provide a backwards compatible view of the hips.HospitalPatientIhi table that reflects the old hips.PatientMasterIhi table	When upgrading a HIPS database to version 9.1 or later, the upgrade process will remove the table hips.PatientMasterIhi, which previous versions of HIPS used to store the IHI assigned to each patient. This table will be replaced with a view of the same name, which provides equivalent data from the new table hips.HospitalPatientIhi. This view supports backwards compatibility for parts of HIPS that read from the hips.PatientMasterIhi table.
Enhancement 50126	Clinical Admin - Show if Upload Request is Superseding in Message Type in Message Queue Request Summary	When viewing the status of a queued request, if the request is to upload and supersede an existing document, the document type value will show this.
Enhancement 50127	Update the PatientIhiValidation.RevalidateIhi method to revalidate individuals in the IHI Microservice	HIPS is now connected to the IHI Microservice to support IHI revalidation.
Enhancement 50143	Update the PatientIhiValidation.RevalidateIhiOnDemographicUpdate method to revalidate individuals in the IHI Microservice	HIPS is now connected to the IHI Microservice to support revalidating the IHI when demographic changes occur on a patient.
Enhancement 50144	Update the PatientIhiReset.ResetIhi method to update individuals in the IHI Microservice	Now, HIPS UI/HIPS Core sends the Reset IHI request to the IHI Microservice. Depending on the Opaqueld, if available in the HIPS Core database, then the Update endpoint is called; otherwise, the Create endpoint will be called in the IHI Microservice. The result returned from the IHI Microservice will be reflected in HIPS Core database's HospitalPatientIhi table.
Enhancement 50145	The GetPatientIhiDetails WebService should be updated to be compatible with the IHI Microservice	The GetPatientIhiDetails web service has been updated to be compatible with the IHI Microservice, retrieving the original IHI status from the OriginalStatusId column from the new hips.HospitalPatientIhi table instead of retrieving it from the audit records.

ADO ID	Summary	Change description
Enhancement 50146	Modify HIPS to store data in the hips.HospitalPatientIhi table instead of the hips.PatientMasterIhi table	As part of the work in making HIPS use the new IHI Microservice for IHI validation, the hips.PatientMasterIhi table has been replaced with a new table called hips.HospitalPatientIhi, which stores the IHI for each PatientMaster at each Hospital. In addition to the new table, the installation process has been updated to migrate data from the hips.PatientMasterIhi table into the hips.HospitalPatientIhi table, then drop the hips.PatientMasterIhi table, and finally create a view to replicate the former structure of the hips.PatientMasterIhi table.
Enhancement 50180	Update the Alert Monitor feature to remove redundant alerts after adoption of the IHI Microservice	The alert monitor service will no longer provide the following alerts: IHIConsumerSearch - hips.SystemInteractionLogMaxElapsed and IHIAAlerts as these features are no longer triggered in the HIPS code.
Enhancement 50181	Clinical Admin - Implement UI Luhn Check Digit Validator on HPI-I fields	HPI-I values typed into form fields in the UI are validated before being sent to the API for processing.
Enhancement 50182	Develop process for preloading patient data from HIPS into the IHI Microservice	A PowerShell migration process has been developed to prime the IHI Microservice database with existing HIPS data, establishing a link between HIPS and IHI Microservice for patients sooner than regular operation would allow. This process is optional, sites can choose for data to be populated gradually over time by allowing HIPS to make calls to the IHI Microservice to create individuals as it processes requests for each patient with everyday traffic, however preloading ensures that duplicate status checks, which are now performed in the IHI Microservice only, can accurately detect duplicates as all patients will be present in the IHI Microservice database and available for duplicate checking. Without migration, duplicate detection occurs only after the second patient with the same IHI is processed. This can lead to inconsistent alert behaviour during initial operation.
Enhancement 50183	Clinical Admin - Validate HPI-I when Adding or Editing a Local Provider	Entered HPI-I's will be checked for format, uniqueness and validated against the HI Service if supplied when creating or updating Local Provider accounts.
Enhancement 50500	Clinical Admin - Enhance display of local provider list to show related facilities and identifiers	Clinical Administrator can now view and filter by the facilities and local identifiers linked to a local provider in the list.
Enhancement 50597	Clinical Admin - Display total time since queued request has been submitted	Clinical Administrators can now more easily see a queued request's time since submission, the time at which the document was uploaded to the system.
Enhancement 50849	Button names should be consistent with other popups in the HIPS Stack	When an open modal requests further user action, the text for the button that closes the modal has been updated in all cases to read 'Cancel'.
Enhancement 51112	Shuffle of document lists order and rename of General Documents to Other Documents	Throughout Clinical Admin, the term "General Documents" has been changed to "Other Documents" and relegated in display order in favour of displaying Diagnostic Imaging Reports and Pathology Reports first.

ADO ID	Summary	Change description
Enhancement 51113	Lists with text filter should highlight matched text in filtered list	Records returned in lists where the user has filtered by text will be partly highlighted in bold to signify the matched text content.
Enhancement 51248	Inform user during adding or editing local provider with HPI-I details when HI service is unavailable	Clinical Administrators are now notified by onscreen alerts and toasts when the HI Service is down.
Enhancement 51868	Design and group sidebar menu display options	The sidebar menu has a new design, grouping pages under collapsible headings for simplistic viewing.
Enhancement 51869	Define permissions to access and manage Local Provider	Clinical administrators can only view or edit provider information if they have been granted the required permissions.
Enhancement 51870	Define permissions to access and manage Queued Requests	Clinical administrators can only view or edit message queue request information if granted the required permissions.
Enhancement 52066	HPI-I revalidation when navigated back to Provider search	Clinical administrators will no longer be notified with a toast when an HPI-I validation is successful during provider search.
Enhancement 52092	Updating the 'Total' heading to 'Uploaded	On the Patient Overview page, on the document summary list, the column displaying the total number of documents for each document type has had its title updated to "Uploaded".
Enhancement 52195	Enhancements of toast messages (and what they display)	Toast messages have been updated to remove redundant data and increase user comprehension.
Enhancement 52779	Config cloning process should support HIPS old HIPS versions (HIPS 6.x.x)	HIPS Core configuration settings cloning into config API has been enabled for legacy HIPS Core versions (verified as far back as H 4.2.0).
Enhancement 53017	Cleanup ASP.NET 2.3.0 to ASP.NET 2.3.6	All references to ASP.NET Core Kestrel libraries, along with libraries that had transient references to Kestrel, have been removed so that these libraries are no longer included in any HIPS product.
Enhancement 53242	Clinical Admin - Update Queue management page with suggestions from showcase	<p>Clinical administrators can view a subtitle for each queue list describing its purpose.</p> <p>Queue list names have been updated to display in sentence case.</p> <p>Clinical administrators are now notified to update their personal records if an entered HPI-I is found to be resolved.</p>

ADO ID	Summary	Change description
Enhancement 53326	Remove references to disabled features such as Newborn IHI and Assisted Registration from Collaborate	<p>All references to the following disabled features have been removed from Collaborate:</p> <ul style="list-style-type: none"> Newborn IHI Creation: Originally introduced in HIPS 7.2, this feature has been disabled since HIPS 8.0 and is no longer supported by the HI Service. Assisted Registration: Disabled in HIPS 8.2 due to low usage and maintenance overhead. All related UI components and configuration options have been removed.
Enhancement 53351	Breadcrumbs should be prefixed with "Back to"	Breadcrumb display is now consistent with other web applications in the HIPS stack.
Enhancement 53568	[hips].[HL7MessageLog] FailureReason column character length needs to be increased	To allow for full log information to be visible in the [hips].[HL7MessageLog] FailureReason column, the size has been increased to MAX.
Enhancement 53628	Modify HIPS to set the duplicate status based on the alerts received from the IHI Microservice	HIPS now uses the IHI Microservice for IHI or demographic duplicate checking and demographic mismatch.
Enhancement 56541	Add indexes to improve the runtime performance during document upload processing	Added indexes to improve the runtime performance accessing the hips.FillerOrderNumber and hips.CdaSetNumber tables.

Removed functionality

The following functionality has been removed in this release:

- Removed the IHI lookup functionality from HIPS, instead supporting integration with the separately available IHI Microservice for this functionality which enables conformance to the HI Service v5.0 profile and includes Mobile and Email search.
- Removed legacy database tables that are no longer used by the application.
- Removed the registration process from HIPS as it is now managed by HIPS Core APIs.

Refer to the release notes for more information.

Deprecated functionality

The following functionality has been deprecated in this release:

- HIPS UI has been officially deprecated and will be removed in a future major release. Sites may still use HIPS UI but are encouraged to migrate to the replacement features. These currently include:
 - HealthViewer for My Health Record viewing.
 - Clinical Admin for:
 - Viewing and removing uploaded documents.
 - Searching and validating HPILs.
 - Managing local providers.
 - HIPS Core APIs Admin Portal for configuration setting management.
 - Additional features from HIPS UI will be added to these new user interfaces in the coming releases.

Known issues

The following open issues exist in this release:

ADO ID	Summary	Issue description
6319	Discharge date not shown in Remove Document form for some general documents	Since HIPS 6.0 some documents may display incorrect episode details on the HIPS UI Remove Document form. In the case of an inpatient episode which has a discharge date available, the discharge date is not shown in the remove document form.
7360	DocumentId Oid^Non-numeric Extension is not supported by MHR	<p>While the CDA standard does allow non-numeric extensions to be used for the DocumentId, support for non-numeric extensions has not been implemented in the My Health Record system. The three formats that are accepted by the My Health Record are:</p> <ul style="list-style-type: none"> • UUID • OID • OID with a numeric extension <p>Sites that attempt to use a non-numeric extension for the DocumentId will receive a "PCEHR_ERROR_0005 - Back end system temporary unavailable" error from the My Health Record system which is marked for retry on the HIPS upload queue. It is proposed that in a future release, HIPS should reject the message before it is put on the queue.</p> <p>Note: Sites should not experience this issue in Production as use of non-numeric extensions while implementing HIPS will surface this issue in the SVT environment.</p>
7931	SearchQueuedOperations queries should not fail when IHI is invalid	SearchQueuedOperations is unable to return information to callers when the patient has an IhiStatus of InvalidIhi or UnresolvedIhiAlert.
7950	IHI Reconciliation lookup by MRN functionality should show discharged patients rather than just those currently in hospital	In HIPS UI on the IHI Reconciliation page, the lookup by MRN functionality does not return discharged patients, making it difficult to perform IHI administrative tasks for patients that no longer have a current episode.
8965	Search by MRN for a patient who currently has an IHI error state shows an incorrect message about an invalid IHI	In HIPS UI on the View My Health Record when searching for a patient by MRN, if the patient happens to have an IHI error status, such as Address Change Mismatch, Potential Duplicate Patient or Demographic Mismatch, a message about the patient having an invalid IHI is displayed. While this does not impact functionality, it may cause confusion for users.
9108	HIPS UI produces an unhelpful error message when HIPS Core is unable to access its database	HIPS UI produces an unhelpful error message when HIPS Core is unable to access its database and does not log anything to the HIPS UI database.

ADO ID	Summary	Issue description
9233	Improve error message when invalid document format code is used for DiagnosticImagingReportDocumentFormatCode or PathologyReportDocumentFormatCode settings	The HL7 ORU web services used for uploading Pathology Reports or Diagnostic Imaging Reports returns the error message: "Sequence contains no matching element" when the DiagnosticImagingReportDocumentFormatCode or PathologyReportDocumentFormatCode settings (whichever is applicable to the service being used) is configured with an invalid document format code. Sites should ensure they use a document format code that is configured in the hips.DocumentFormat table to avoid this error.
9324	Users can't login if they have html characters in their password	<p>Users with html characters in their Active Directory passwords will be unable to login to HIPS UI due to form validation and the user will be redirected to a blank page.</p> <p>Workaround</p> <p>If this occurs, the following workarounds are recommended:</p> <ul style="list-style-type: none"> • Have the user use the Windows login button instead (if enabled), or • Have the user change their password.
9356	DB Upgrade may time out when migrating Pathology Reports to new schema (applies to sites upgrading from versions earlier than HIPS 6.1.3)	Sites upgrading from a version of HIPS earlier than 6.1.3 can be impacted by a DB Upgrade script that was introduced in HIPS 6.1.3 for migration of pathology reports into a newer table. This script can perform poorly if there have been a large number of pathology reports uploaded through the HIPS instance and this can result in the database upgrade process timing out and failing. Sites that upload many pathology reports should skip the migration script while upgrading the database by inserting a row in the dbo.SchemaVersions table, and run the script manually after the upgrade is complete. The SQL query to make the upgrade skip the migration of pathology reports is: INSERT dbo.SchemaVersions VALUES ('HIPS.PcehrDataStore.DBUpgrade.Scripts_6_1_3.20180702 5.Migrate Pathology Reports.sql', GETDATE()) To obtain a copy of the script to run manually please contact HIPS Support.

ADO ID	Summary	Issue description
9471	Form validation on HPI-I Identifier Search page does not work as expected when using Internet Explorer	<p>The form validation on the HPI-I Identifier Search page in HIPS UI does not work as expected when using Internet Explorer. The prefilled HPI-I prefix does not meet validation requirements as it is a partial HPI-I, and this causes validation errors when the form is submitted. This is particularly inconvenient when the user is attempting to perform a search by AHPRA ID and does not clear the HPI-I first.</p> <p>Workaround</p> <p>Users can work around this issue by:</p> <ul style="list-style-type: none"> • resubmitting the form after the initial attempt as the prefilled HPI-I value is cleared after the first submission, or • clearing the HPI-I value before submitting the form, or • use a different browser.
10976	Pathology and Diagnostic Imaging reports with local ID for multiple authors should not put the author of the first test as the report author	For messages that contain multiple OBR results authored by different individuals, the HIPS service should set the CDA atomic data for the individual details of the Document Author and Reporting Pathologist / Reporting Radiologist to null. This was implemented for OBR results where the author is identified by an HPI-I but was not updated to handle OBR results where the author is only identified by a local ID. As a result, HIPS is populating the author of the first test result as the author of the overall report.
11296	Pathology and Diagnostic Imaging report uploads should not abort processing when BypassHIService is true and IHI status is Service Unavailable	Pathology and Diagnostic Imaging report uploads are marked as failed on second retry when the HIPS instance is configured with BypassHIService set to true and the IHI status is flagged as Service Unavailable due to inability to contact the My Health Record when checking if a patient has a My Health Record.
11334	HPI-I Demographic Search does not send the Postal Delivery Type and Number when only one or the other is provided in the form	In HIPS UI on the HPI-I Demographic Search page, for the Unit, Level and PostalDelivery sections, you need to provide both a type and a number. If you provide a number without a type, the number is ignored. If you provide a type without a number, the type is ignored. Rather than ignore the input, the form should return a validation error to inform the user that both values are required.

ADO ID	Summary	Issue description
11376	Validating HPI-I of report author from database does not respect BypassHIService	<p>When the</p> <ul style="list-style-type: none"> • BypassHIService setting is true, • there is no HI Service certificate available for the facility, • the facility has an HPI-I exemption, • there is a local ID of the author in the ORU message, • there is a HPI-I for that local identifier stored in the HIPS database and that HPI-I requires validation, <p>HIPS is not checking the BypassHIService setting and is attempting to get the HI Service certificate to connect to the HI Service to validate the HPI-I that is stored in the HIPS database. This results in an exception being thrown as the certificate cannot be found. HIPS should detect that the HPI-I requires validation, and that the setting BypassHIService is true, and fall back to creating the report using only the local identifier, rather than the HPI-I.</p>
12270	HIPS fails to process valid segments after any unknown segment in HL7 v2 messages	When processing HL7 messages, HIPS will stop processing any more segments once it hits any unknown segments. This can result in valid segments being ignored by HIPS.
13005	Misleading message is shown after clicking Upload button on the Upload Discharge Summary page in HIPS UI	The message "Upload Successful The upload of document was successful." is shown after clicking Upload button on the Upload Discharge Summary page in HIPS UI. This message is misleading as the upload has only been added to the upload queue at this stage and must be processed before knowing if it was uploaded successfully. The message should instead be similar to the Remove Document function: "The upload of this document has been successfully added to the queue for processing."
13719	Unhelpful error shown in Discharge Summary modal for larger PDF sizes	The Upload Discharge Summary page in HIPS UI errors during the creation of a discharge summary if the attached PDF is larger than 4MB and does not show a user-friendly message. The form should allow files that meet the My Health Record file size limit of 10 MB and should show a useful message to users if they exceed the maximum size.
13816	Discharge Summary supersede from HIPS UI will change the actions status to N/A temporarily	After superseding a Discharge Summary using the Upload Discharge Summary page in HIPS UI the user is returned to the Episodes list and the Action for the episode for which the Discharge Summary was superseded is shown as "N/A" with the hover text "My Health Record not found" until the page is refreshed. This hover text is misleading, the patient does have a My Health Record.

ADO ID	Summary	Issue description
13893	Support users with only one name	<p>HIPS web services have validation on the user details in the web service request message (the LocalUser Data Transfer Object) that requires both Given Names and Family Name of the specified local user to be provided (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.
13895	V4 ListAdmittedPatients operation does not return a fault when errors are encountered in the business logic or database	The Withdraw Consent page shows an empty list of patients and no error if there is a database error such as a timeout while retrieving the list of patients.
14601	Clicking the Print button on the Pathology or Imaging tab in Embedded mode shows errors in the console	When users click the Print button on the Pathology or Imaging tab in Embedded mode two JavaScript errors are logged to the console. These errors do not cause any issues with the application and can only be seen when the browser development tools are open. The print action behaves as intended.
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, which 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>

ADO ID	Summary	Issue description
17966	Register button should not be changed to Update when there is an existing MRN alert on a record	In HIPS UI when manual registration is enabled for a non-PAS facility, if a user attempts to register a patient using an MRN that already exists in HIPS at the selected facility, an error will be displayed to inform the user. Once the user clears the error, the register button changes to an update button and if clicked will overwrite the existing patient with new details which in most cases results in a DemographicMismatch alert being set on the existing patient. If this occurs, the user should identify the original patient in their source system, find the patient in HIPS UI and update the patient with their original details.
18860	NotifyPasEvent should return an Error status instead of a Warning status when the separators declared in MSH fields 1 and 2 are not unique	A warning status is returned in the NotifyPasEvent response when the following separator is declared, for example: MSH ^~\& The double backslash in this example is invalid and HIPS will not process the message, however HIPS should return a status back that informs of a failure to process the message, rather than a Warning which implies it processed, but may need to be looked at.
18862	GetValidatedIhi returns 'IHI not found' instead of 'IHI retired' if the patient's IHI has been retired and the patient's IHI was not specified in patient demographic during admission	When registering a patient whose IHI is retired, the response from the HI Service is an error and no IHI is returned: "(ERROR) This IHI record has a 'Retired' IHI status and cannot be retrieved via this channel." If no IHI was included in the ADT message, then HIPS does not have the patient's IHI in the PatientMasterIhi table, and when calling IHIServiceV8_0_0.GetValidatedIhi it returns the message "No IHI was found for this patient and so the My Health Record cannot be accessed." It is not correct for HIPS to say "No IHI was found for this patient and so the My Health Record cannot be accessed." because HIPS has the information in the PatientMasterIhi table that the IhiStatusId is 3 and so it should return "The IHI for this patient is retired and cannot be used to access the My Health Record." instead.
23307	ADT message for new patient without Sex returns database error when EnableHL7NullHandling is true	<p>If EnableHL7NullHandling is set to true and an ADT message is received by the NotifyPasEvent service that does not contain a value in PID-8 (administrative sex) a foreign key conflict database error is returned in the NACK message.</p> <p>Workaround</p> <ul style="list-style-type: none"> • Leave the EnableHL7NullHandling feature enabled and just not take advantage of it for the Sex field, by ensuring to always send a value for the Sex field. When Sex is empty, send "U" for unknown, which HIPS maps to "not stated". OR • Disable EnableHL7NullHandling feature to revert to existing behaviour.
25984	Undefined shown when HIPS UI is unable to get the document type due to connection issues with HIPS Core	If the connection to HIPS Core is interrupted when opening a My Health Record document in HIPS UI, where the document title is usually displayed the text undefined is shown instead. HIPS UI should not show undefined in this scenario.

ADO ID	Summary	Issue description
26263	Special characters in SourceSystemEpisodeID are not escaped when used in the Upload Discharge Summary page which can cause the episode to not be found	If special characters are included in the SourceSystemEpisodeID it can prevent users from uploading a Discharge Summary for that episode using the HIPS UI Upload Discharge Summary page as the episode cannot be found. This is due to the SourceSystemEpisodeID not being escaped when used in the url to find the episode. For example, special characters such as a the + character are treated as a space when provided in the url, rather than a plus.
26978	The root level Deploy.ps1 does not allow users to register HIPS after installation	The root level Deploy.ps1 file does not work when installers attempt to activate HIPS after installation. Although the script has the -ActivateHIPS and -RegistrationFilePath arguments available, they only activate HIPS if supplied while performing the installation. Installers should use the Deploy.ps1 file located in the HIPS Core Binaries\HIPS-AppServer\setup folder inside the HIPS installation package instead if activating after installing.
28571	Operational Insights - DB server disk usage metric requires additional database permission	<p>It has been found that for Operational Insights to successfully report on the disk space usage on the database server, the HIPS service account requires an additional permission that was not described in the documentation at time of original publication.</p> <p>Workaround</p> <p>The complete set of permissions required can be granted using the command:</p> <p><i>USE [Master]</i></p> <p><i>GRANT VIEW SERVER STATE TO [<HIPS service account here>]</i></p> <p><i>GRANT VIEW ANY DEFINITION TO [<HIPS service account here>]</i></p>
37019	Null reference exception when attempting to mask address for Pathology and Diagnostic Imaging Report uploads	<p>When EnableHL7NullHandling is true and an HL7 null "" is supplied in the patient address and contact fields in the PID segment of the ORU HL7 message, HIPS correctly removes the addresses and contact details from the database, but HIPS fails to produce a document, instead throwing a NullReferenceException. This defect prevents "masking" of patient address and contact details when uploading a Pathology or Diagnostic Imaging Report with EnablingHL7NullHandling turned on.</p> <p>Workaround</p> <p>Setting EnableHL7NullHandling to false and supplying empty fields for patient address and contact details in the PID segment of the ORU HL7 message will result in the desired behaviour, i.e. no patient address or contact details will be included in the CDA document that is uploaded. However, turning off this setting may have implications for other aspects of a site's integration with HIPS, and may not be appropriate in all situations.</p>

ADO ID	Summary	Issue description
48267	Clinical Admin sign in fails when user is a member of too many security groups	<p>When signing into Clinical Admin, users with a very large number of groups assigned to them (many thousands) can fail to authenticate when the size of the token exceeds default limits for some systems. We have observed two cases where different systems have failed:</p> <ol style="list-style-type: none"> 1. IIS Web Server 2. F5 Load Balancer <p>Workaround</p> <p>These can both be worked around to some extent by increasing the maximum size limit or reducing the number of groups assigned to the user. Alternatively, changing the Domain GroupSearchOption to DirectGroupsOnly may help, if users are direct members of the groups configured in Clinical Admin.</p> <p>Refer to the following links for guidance on increasing the maximum size limits:</p> <ul style="list-style-type: none"> - F5 Load balancer: https://my.f5.com/manage/s/article/K8482 - IIS Web Server: https://learn.microsoft.com/en-us/troubleshoot/developer/webapps/iis/www-authentication-authorization/http-bad-request-response-kerberos <p>It is likely that other load balancers could have the same issue, and we expect similar work arounds to be available.</p>

Assurance

HIPS v9.0 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.
- CIS Security Conformance Profile

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 v9.0 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).

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
June 2025	<p>HIPS v9.0.0 is a major release that addresses the following:</p> <ul style="list-style-type: none"> • Migration of all components (apart from HIPS UI) from .NET Framework to .NET 8 • Adds support for cloud-based database hosting for HIPS Core, HIPS UI and Clinical Admin databases. • HIPS 9.0 adopts the HIPS Core APIs for authentication capabilities and configuration management and removes the Security API and Configuration API previously supplied in the Core package. • A new Clinical Admin has been developed, comprising of an API and UI component. The purpose is to provide clinical administrative functionality for clinicians, to replace some admin capabilities in HIPS UI (enabling HIPS UI to be deprecated and eventually replaced), and initially supporting viewing and removing uploaded documents. • Implement changes to conform with mandatory CIS Security Conformance Profile requirements – excluding HIPS UI. • HIPS UI is officially deprecated in this release. • Significant installation enhancements. • Several defect fixes.
May 2025	<p>HIPS v8.3.2 is a patch release that provides the following future proofing enhancements and defect fixes:</p> <ul style="list-style-type: none"> • Resolve critical and high CVE vulnerabilities in third-party libraries. • Archiving process will no longer hold locks for an extended period when operating in batch mode.
April 2024	<p>HIPS v8.3.1 is a patch release that provides the following future proofing enhancements and defect fixes:</p> <ul style="list-style-type: none"> • Configuration and Security APIs updated to .NET 8 to ensure components are running on supported platforms. v8 series HIPS releases run on .NET 6 which will not be supported by Microsoft after November 2024. • Resolve several installation defects. • Address issues with Author Role and Specialty not being populated in uploaded documents or displayed in HIPS UI. Note, this does not resolve the issue with the Health Record Overview, which is caused by the author role not being mapped correctly in the My Health Record system when it generates the Health Record Overview. • Resolve a defect triggered when viewing new My Health Record document types in HIPS UI. • Allow sites to configure some facilities to not perform the check of whether a patient has an MHR, to allow HIPS to be used for IHI lookup only and not connect to MHR for those facilities. • Update the Operational Insights connection method to ensure HIPS can continue to connect to Microsoft's Application Insights after March 2025. Sites may need to adjust their firewall rules to allow access to the new Australia-specific URL.
April 2022	<p>HIPS v8.3 is a minor release that provides the following enhancements and defects fixes:</p> <ul style="list-style-type: none"> • Significant improvements to document upload performance. This version of HIPS is capable of uploading 200,000 documents per 24 hours on the recommended high usage profile documented on the HIPS 8.3 - Server Roles, Specifications and Software Requirements page in Collaborate. • Emergency Department views have been added to HIPS UI, providing quick access to information critical for emergency care. The Patient Summary view now includes the following information: <ul style="list-style-type: none"> ○ Immunisations (introduced in HIPS 8.2) with option to highlight COVID-19 vaccines ○ Medicines ○ Discharge Summaries ○ Allergies and Adverse Reactions ○ Emergency Contact Details • Support for uploading Discharge Summary, Event Summary and Specialist Letter Document sub-types with HIPS providing the latest list of available sub-types published by the Agency. • Support for uploading multiple Discharge Summaries against a single episode. • Further resilience to temporary infrastructure errors. When HIPS detects the Certificate Revocation List is unavailable, processing is retried. In addition, when unexpected error types are detected from My Health Record, the hips.PcehrErrorCode table can be updated to detect future occurrences of these errors and control whether HIPS retries the error. • Management of certificates has been simplified by storing details in the HIPS database using the configuration subsystem. • A mix of SHA-1 and SHA-2 certificates is now supported. • New configuration settings to give control to Site admins for customising error messages produced in HIPS Core, My Health Record and HI Service tailored for their users, including optional text to contact the Site's Help Desk. • Ability for Site admins to display information to HIPS UI users to cover Site specific events such as planned and unplanned outages. • Failure reason codes added to document queue records to provide a reason for failure. This is supported by comprehensive documentation on Collaborate. • Improvements to installation documentation and other documentation updates. • Various security hardening enhancements. Important: note ADO ID 13854 under Change details. • Administrator, user and functional enhancements

Date	Version
November 2021	<p>HIPS v8.2.1 is a patch release that provides the following fixes:</p> <ul style="list-style-type: none"> • Patient Management page is slow to load the list of pinned patients when there are many patients in the facility • Users not given access to a facility (via SecurityGroup setting) can still access the patient summary page of a patient at any facility by modifying the URL • Facility without logo shows broken image with text 'Hpo logo'
May 2021	<p>HIPS v8.2 is a minor release that provides the following features and improvements:</p> <ul style="list-style-type: none"> • New Immunisation view for easy access on patient landing page • New integrated patient management page for enhanced usability • New site configuration option for improved control • Several defect fixes and other minor enhancements
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.</p> <p>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.</p> <p>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.</p> <p>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</p> <p>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.

Date	Version
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.
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.</p> <p>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.</p> <p>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.</p> <p>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>

Date	Version
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.</p> <p>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>
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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.

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 same eHISC instance, as the validity of these numbers is checked by the eHISC system administrator during configuration.</p>

Date	Version
	<p>HealthProviderOrganisationPatient Advertised Status Update Fix</p> <p>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>eHealth Integration Sample Code (eHISC) v1.0</p> <p>Release rationale</p> <p>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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