



HIPS

Release Note

30 June 2025 v9.0

Approved for external information

Document ID: DH-4138:2025

Related end product identifier: EP-4135:20245

Release rationale

- 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.

Package inclusions

Updated (supersedes previous version)

Identifier	Name and version
DH-4138:2025	<i>HIPS v9.0 – Release Note (this document)</i>
DH-4136:2025	<i>HIPS v9.0 – Binary Software Package</i>
DH-4146:2025	<i>HIPS v9.0 – Functional Change Log</i>
DH-4139:2025	<i>HIPS v9.0 – Product Data Sheet</i>
DH-4147:2025	<i>HIPS v9.0 – Interface Change Log</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 13871	Op 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 has been modified to exclude the availability related results.
Defect 15807	Deployment script should not call deprecated ListHospitals web service	The HIPS deployment script no longer POSTs a SOAP request to the obsolete HIPS ListHospitals service when attempting to verify successful deployment. This step would result in a deprecation warning in the database after deployment. It now POSTs to the replacement web service which is not deprecated and does not log to the database when called.
Defect 28571	Operational Insights database server disk usage metric requires additional database permission	Permissions required to report the database disk usage metric to Operational Insights are now configured automatically during installation, instead of being a manual step noted in the documentation.
Defect 28585	Install fails on Windows 2012R2 unless -Insecure flag is provided	Deployments to Windows 2012R2 will no longer require the -Insecure flag to be supplied for the deployment to succeed. There was an issue in the deployment script that attempted to enable secure TLS cipher suites, however the PowerShell module does not exist on Windows 2012R2 and deployments would fail. Please note that Windows 2012R2 is now longer supported by Microsoft.
Defect 29282	Data archiving DBUpgrade script produces invalid configuration MessageQueueContentContent	If the standalone HIPS 7.x - Data Archiving Utility was installed on a HIPS 7.1 or 7.2 instance and then the HIPS instance was upgraded to HIPS 7.3 or later, the ArchiveSetting table would have an invalid value MessageQueueContentContent in the PurgeableTables setting. This caused the archiving process to encounter errors. The script that caused this issue has been corrected and an additional script has been added to correct the invalid table name.
Defect 36316	Cannot remove document in HIPS UI if the package has been archived	HIPS UI had a defect which meant users were unable to remove a document that had been archived. The archived documents removing issue has been fixed in HIPS UI. This issue does not affect the Clinical Admin UI – View and Remove Uploaded documents feature.

ADO ID	Summary	Change description
Defect 36440	The new JSON library conflicts with the Extensions property in the base class ProblemDetails	This was an issue with the HIPS Configuration API, which has been removed with the adoption of the HIPS Core APIs. HIPS Core APIs does not experience this issue, thus resolving the defect.
Feature 4208	Add a new GetValidatedHpII service method to return a single HPI-I	Previous versions of HIPS had the ability to return validated HPI-I details for all providers in the HIPS database. This was not ideal for sites with a lot of providers. A new web service has been introduced to retrieve a single validated HPI-I using the following criteria: facility identifier (HospitalCode & HospitalCodeSystem) plus one of the following identifiers of the provider to look up: HpII, PasProviderIdentifier, CisProviderIdentifier, IamProviderIdentifier or LocalProviderCode.
Feature 5366	Add support for HPI-I lookups for providers with double-barrel given names	HIPS now supports HP II lookups for a local provider with a double barrel given name, where the given name comprises of two names for example "John Aaron". HIPS will attempt multiple lookups, providing the given names in two separate elements, and using the given names combined with a space in a single element.
Feature 6534	Extract and store useful HL7 details in the Metadata table	Additional information is now logged in the database for each HL7 message received by HIPS. Data available varies depending on the type of message but includes MessageType and TriggerEvent columns on hips.HL7MessageLog, and may include FillerOrderNumbers, EnterprisePatientId, VisitNumber, Operation, HL7Profile, ReportDateTime metadata property entries in hips.Metadata. In addition to this, there is now an hips.HL7MessageLogMetadata view that pivots the 'HL7MessageLog' entries in hips.Metadata and can be used to extend the information hips.HL7MessageLog.
Feature 9452	Migrate HIPS Core Web Services from .NET Framework to .NET 8.0	The HIPS web service host application has been migrated from .NET Framework to .NET 8.0 to keep it current and maintain LTS support.
Feature 9453	Migrate HIPS Core queue consumer background processes from .NET Framework to .NET 8.0	HIPS Core queue consumer has been migrated to .NET 8.0 to keep it current and maintain LTS support.
Feature 9455	Migrate HIPS Core DB Upgrade from .NET Framework to .NET 8.0	HIPS Core database upgrade has been migrated to .NET 8.0 to keep it current and maintain LTS support.
Feature 10495	Check for untrusted root errors for self-signed certificates when connecting to the HI Service or My Health Record	While unlikely and incredibly difficult to exploit, there was a security vulnerability in HIPS where an attacker could create a self-signed certificate which is untrusted by the HIPS server, and use a proxy server or DNS spoofing to make HIPS to connect to a server under their control (a man-in-the-middle), and then examine or modify any information that HIPS exchanges with the HI Service or My Health Record system. HIPS will now validate and protect against this exploit.

ADO ID	Summary	Change description
Feature 11611	Enhancement to HIPS Core to store the clinical unit & outpatient department for each episode from ADT messages	HIPS will now store additional location information for each episode from ADT messages PV1.3 segments, specifically PV1.3.6 - Assigned Patient Location, PV1.3.9 - Assigned Patient Location and PV1.10 - Hospital Service.
Feature 15808	Consolidate HIPS deployment configuration artifacts and reduce redundancy and duplication	The Configuration.psd1 files previously located throughout the release package have now been consolidated into a single HIPS deployment configuration file to reduce redundancy and duplication and make the configuration of installation media simpler for sites.
Feature 17629	Transition away from the use of user-defined error messages being added to SQL Server sys.messages table	HIPS no longer requires user-defined messages to be added to the sys.messages table in the master database in SQL Server.
Feature 27055	Add support for hosting HIPS Core and UI databases in AWS Relational Database Service (RDS)	HIPS now supports running the Core and UI databases in AWS RDS.
Feature 27056	Add support for hosting HIPS Core and UI databases in Azure Managed SQL Instances	HIPS now supports running the Core and UI databases in an Azure SQL Managed Instance.
Feature 27184	HIPS should check if the document was removed after it gets a 3002 error from an attempt to remove a document	When HIPS receives a PCEHR_ERROR_3002 error during a document removal attempt, it will now call the GetDocumentList web service to check the document status. If the document status is Deprecated, it indicates that the document was successfully removed, and HIPS will update the document status in the hips.ClinicalDocument table to reflect the successful removal.
Feature 27340	Support supplying hostname for bindings in Configuration.psd1 files	To mitigate a host header attack vulnerability in which an attacker could manipulate the Host header seen by the web application and cause the application to behave in unexpected ways, we have added support for supplying the hostname in the Bindings sections of the Configuration.psd1 files. When configured, the hostname will be set against the bindings in IIS and will be used when verifying the URI during deployment. Note: setting the hostname will prevent the sites from being accessible on localhost, the hostname must be used.
Feature 27445	Enable ISM recommended TLS 1.2 and 1.3 cipher suites	The security configuration applied during deployment of HIPS has been extended to ensure the server has only the ISM recommended TLS 1.2 and TLS 1.3 cipher suites enabled. Note: TLS 1.3 cipher suites are currently only supported on Windows Server 2022 and 2025.

ADO ID	Summary	Change description
Feature 27448	Add configuration setting to set the default Application Insights connection string	HIPS Operational Insights now has a configurable setting <code>MetricsAppInsightsConnectionString</code> for determining the destination for metrics sent to Azure, which replaces the previous setting <code>MetricsAppInsightsKey</code> . Microsoft are removing support for instrumentation key ingestion in 2025, requiring all software to transition to the use of a connection string instead. This also adds the ability to force communication via a given ingestion URL enabling all communication of metrics to remain with Australia.
Feature 28468	Make Health Care Facility Type Code and Practice Setting Code configurable	<p>When HIPS uploads a document to My Health Record, it used these hard-coded values for:</p> <ul style="list-style-type: none"> • Organisation Type (aka Health Care Facility Type Code) = "Hospitals (except Psychiatric Hospitals)" • Practice Setting Code = "General Hospital" <p>Now, HIPS has two new 2 configuration values to allow these to be customised by sites (with default values already set to the previous values):</p> <ul style="list-style-type: none"> • <code>HIPS.Core.HealthcareFacilityTypeCode</code> for Health Care Facility Type Code • <code>HIPS.Core.PracticeSettingCode</code> for Practice Setting Code
Feature 28570	Adopt HIPS Core APIs in HIPS 9.0	HIPS Core has now adopted the common Auth and Config APIs instead of bundling its own copy of the functionality, improving efficiency and maintainability, and reducing the number of copies sites need to install and manage.
Feature 28573	Update default My Health Record SVT endpoint configuration settings	The My Health Record SVT endpoint defaults have been updated from "b2b.ehealthvendortest.health.gov.au" to include "services.svt.gw.myhealthrecord.gov.au".
Feature 28669	Enhance installation to work on Windows 2012 R2 without requiring manual workaround	An enhancement has been made to the deployment scripts to detect Windows 2012 R2 prior to deployment and make the web.config compatible by removing or commenting out the invalid configuration. Prior to this change, sites deploying HIPS to Windows 2012 R2 had to manually remove the configuration before attempting deployment. This change resolves the known issue: 12508 HIPS UI is unable to load any pages when the Server Technology Information is configured to be hidden on Windows Server 2012. Note: Use of Windows Server 2012 R2 is not recommended as it is no longer supported, and does not support cipher suites required for connecting to national infrastructure.

ADO ID	Summary	Change description
Feature 28955	Configuration setting for DVA validation to select Eclipse validation rules or stricter AIHW data definition	Several sites have reported validation errors with the DVA numbers supplied to HIPS. This was due to HIPS implementing a strict validation ruleset as defined by the Australian Institute of Health and Welfare (AIHW). Many sites are using clinical software that applies Eclipse validation rules to DVAs. These rules are less strict than AIHW validation rules. To reduce the number of DVAs being rejected by HIPS, a new configuration setting has been introduced called "UseEclipseRuleToValidateDVAFileName", allowing sites to opt into using the Eclipse validation rules instead of the AIHW rules.
Feature 29253	Unknown My Health Record error codes should be treated as transient	Recent discussions with NIO and the Agency about missing error code documentation and how HIPS should handle errors has led to the recommendation that HIPS retry anything it does not explicitly define in the hips.PcehrErrorCode table.
Feature 29938	Size of MessageControlId column should be updated from 25 to 199 in HL7MesageLog table to prevent truncation	The size of the MessageControlId column in the hips.HL7MesageLog table in the HIPS Core database has been updated from 25 to 199, to prevent truncation when a larger value is provided.
Feature 33937	Make the PCEHR_ERROR_0528 My Health Record error retrievable by default	Through support, sites have reported intermittently receiving the error "PCEHR_ERROR_0528 - The document you are uploading failed security validation" when uploading documents of various types. Upon retry, these documents have uploaded successfully. This indicates that the My Health Record was having a temporary issue. We have changed the default behaviour in HIPS so that HIPS will automatically retry when this error is returned from the My Health Record system.
Feature 36484	Improve deployment scripts to support specifying a 'certificate domain subject' instead of a thumbprint for HTTPS binding certificates	The deployment configuration has been altered to specify the certificate name (from the certificate subject) rather than relying on a certificate thumbprint. It will now use this to select certificates for HTTPS bindings and token signing. The deployment script will locate a certificate in the configured certificate store. If more than one is found, the script will select the certificate with the longest expiry date. This change ensures the configured deployment package can be re-run in the future without needing to update a thumbprint that may have expired since first deployed. This may be useful in disaster recovery situations.
Feature 37457	Organise the Configuration.psd1 file so that mandatory configuration choices are more obvious, with optional settings preconfigured with sensible defaults	The Configuration.psd1 file has been updated to set our recommended default values and make clear which values must be provided by the site. This change will make it easier for installers to install HIPS, while still enabling flexibility to deploy variations.
Feature 37586	ADT should store all the names of the patient and their name type code	Many connecting systems provide more than one name for the patient in ADT messages. Currently, HIPS only stores the last repeat and stores the repeat with type code L. HIPS has been modified to now handle all names from the ADT "PID.5 - Patient Name" segment and store them in the hips.PatientMasterName table.

ADO ID	Summary	Change description
Feature 40312	API Gateway has changed PCEHR_ERROR_0529 from a warning to a permanent error	PCEHR_ERROR_0529 was originally defined as a warning but a recent API Gateway change repurposed the PCEHR_ERROR_0529 code with a different message and meaning to that which was originally specified. The error code behaviour has been updated in HIPS to align with the new purpose, resulting in permanent failure for an upload when this is returned.
Feature 40396	Installation of HIPS should check that Core APIs have been installed before proceeding	Installation has been improved to detect if the necessary prerequisite product; HIPS Core APIs has been installed or not, before attempting to install HIPS.
Feature 41719	Deprecate HIPS UI by updating documentation and logging a message in the HIPS database anytime the View My Health Record page is viewed and recommend Health Viewer is used in its place for viewing	HIPS UI viewing is deprecated as of this release, as a new and improved modern viewing solution has been released; HealthViewer. HIPS UI will quietly log information messages into the HIPS Core SystemEventLog table and the UI log file each time a My Health Record is viewed. We encourage sites to adopt the HealthViewer as soon as practical.
Feature 42300	Remove the now redundant hips.ConfigurationSetting table from the database after upgrade completes	HIPS v9.0 has adopted the common set of HIPS Core APIs, which means HIPS now uses the centralised config module. There is no need for HIPS to retain the hips.ConfigurationSetting table once data is migrated into the new tables. The upgrade will remove the now redundant hips.ConfigurationSetting table from the database during installation.
Feature 42507	Migrate HIPS Core alert monitor background processes from .NET Framework to .NET 8.0	HIPS Core alert monitoring has been migrated to .NET 8.0 to keep it current and maintain LTS support
Feature 43172	Replace abandoned MichaCo/CacheManager with Microsoft IDistributedCache	The caching library used in the HIPS components has been migrated from one that is no longer maintained, to Microsoft's caching library.
Feature 43239	Installation should detect if any tokens have not been replaced in the Configuration.psd1 file and output which one was missed before continuing with the install	The installation script will now validate the contents of the Configuration.psd1 file, ensuring they conform to the expected formats before attempting to perform any other actions. This will reduce the occurrence of the installation failing part way through but will not avoid it entirely.
Feature 43500	Make the installation process more resilient to Windows 2022 issue where Get-TlsCipherSuite command is listing ciphers that have already been disabled	The installation process has been made more resilient to a known Windows 2022 issue where Get-TlsCipherSuite command lists ciphers that have already been disabled, which results in the installation script erroring when trying to disable the already disabled cipher.
Feature 43803	Define a way for sites to configure HIPS to work with their proxy	With the migration of HIPS from .NET Framework to .NET 8 comes change in the way proxies must be configured. Documentation has been created in Collaborate to provide guidance on how to configure HIPS to work with a proxy.

ADO ID	Summary	Change description
Feature 44023	Implement WCF message logging in HIPS	Service requests and responses can be logged in the SystemInteractionLog by configuring the flag value in the database table. This functionality is designed to enhance support by enabling the support team to quickly identify issues with service calls.
Feature 44041	Create new Clinical Admin UI to enable management of uploaded documents	<p>Clinical Admin introduces a complete redesign of the user interface from HIPS UI. Features include:</p> <ul style="list-style-type: none"> • Patient searching: Users can search for patient records by either their Individual Healthcare Identifier (IHI) or their Medical Record Number (MRN). • Document searching (new): Users can search for documents directly by either the Set ID, Document ID, Filler Order Number, Report ID (for Pathology Reports) or Accession ID (form Diagnostic Imaging Reports). • View and remove documents: Users can view a patient's documents and submit requests to remove them from the My Health Record. • Permissions: Administrators can control access to Clinical Admin features by defining allowed group memberships through the HIP Admin portal. <p>Other improvements include:</p> <ul style="list-style-type: none"> • Faster page load times: Improved application performance. • Enhanced accessibility: Updated colour contrasts and added keyboard navigation support for better accessibility.
Feature 44082	Generate deprecation warning in HIPS database on uploaded document pages in HIPS UI	HIPS UI View and Remove Uploaded Documents is deprecated as of this release, as a new and improved modern interface has been released in Clinical Admin. HIPS UI will quietly log information messages into the HIPS Core hips.SystemEventLog table and the log file each time The HIPS UI View and Remove Uploaded Documents page is viewed. We encourage sites to adopt the Clinical Admin as soon as practical.
Feature 44761	Update the Agency Nehta.VendorLibrary.CDA.Generator.v3 and Nehta.VendorLibrary.MHR libraries	The CDA generation library Nehta.VendorLibrary.CDA.Generator.v3 got an update from 4.11.6 to 4.11.8. This library is used by HIPS to generate CDA for Discharge Summary, Pathology Report and Diagnostic Imaging Report. The My Health Record library Nehta.VendorLibrary.MHR got an update from 1.5.6 to 1.5.10. This library is used by HIPS to connect to the My Health Record system.
Feature 44776	Improve the Install.ps1 arguments to make it easier to install HIPS components	The Install.ps1 file has been simplified to make it easier to specify which HIPS components are to be installed.

ADO ID	Summary	Change description
Feature 45291	Update HIPS to behave correctly with the new HI Service error for no IRN	The HI Service is enforcing new requirements for the Medicare Individual Reference Number to be included in IHI Lookup requests. If the IRN is not supplied, the HI Service will now return error code 02273. Prior to this change, HIPS would retry the lookup when it got this error. The configuration for this error code has set to treat this as a permanent failure instead. Note: this feature is not currently enabled in the production HI Service environment.
Feature 45569	SEC-0125 & SEC-0126 - Document the recommendation to enable database encryption on HIPS database servers	HIPS documentation has been updated with a recommendation to enable encryption of the HIPS database to ensure sites are compliant with the new requirements in the Security Conformance Profile; SEC-0125 Database encryption for systems hosted by software provider organisation and SEC-0126 - Database encryption for systems hosted by healthcare provider organisation.
Feature 45572	SEC-0084 & SEC-0089 - Document the recommendation to enable disk encryption on HIPS application and database servers	HIPS documentation has been updated with a recommendation to enable encryption of disks used by HIPS to ensure sites are compliant with the new requirements in the Security Conformance Profile; SEC-0084 - Disk encryption for systems hosted by software provider organisation and SEC-0089 - Disk encryption for systems hosted by healthcare provider organisation.
Feature 45574	SEC-0100 - Remove the web services that were deprecated prior to HIPS 9.0 and provide an error response to calling systems	Web services that were deprecated in previous versions of HIPS have now been disabled. When these web services are called they will now return a fault and log an error. The fault will explain the appropriate replacement web service that should be used.
Feature 45673	Extend the upload logic to store the DocumentFormat in a new column in the ClinicalDocumentVersion table	To ensure that the DocumentFormat is recorded for all documents uploaded by HIPS, including those provided to HIPS as CDA, the upload logic has been modified to store this information in a new column in the ClinicalDocumentVersion table.

Removed functionality

The following features have been removed in this release:

- **Removal of the web services that were deprecated prior to HIPS 9.0.** Web services that were deprecated in previous versions of HIPS have now been disabled. When these web services are called they will now return a fault and log an error. The fault will explain the appropriate replacement web service that should be used.
- Removal of the HIPS Configuration and Security APIs. HIPS will now use the shared HIPS Core APIs Config and Auth APIs.

Deprecated functionality

The following features have 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.
 - 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.
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>

ADO ID	Summary	Issue description
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.
13871	Operational Insights alert "IHI Lookup Alert" should not include failures due to HI service unavailability	Although built to the requirements, while testing it was 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.
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.

ADO ID	Summary	Issue description
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>
15766	Internal anchor links do not work in View and Remove Uploaded Documents in Firefox	Links that scroll up and down within documents in iframes do not scroll the outer window in Firefox. This was fixed for documents when viewing the My Health Record in HIPS 8.2, but not for documents when viewing local documents in the 'View and Remove Uploaded Documents' area. Users can manually scroll up and down instead.
15807	Deployment script should not call deprecated ListHospitals web service	The HIPS deployment script submits a SOAP request to the obsolete HIPS ListHospitals service when attempting to verify successful deployment which results in a deprecation warning in the database after deployment.
16944	Different patients with the same name and date of birth, but different IHIs are flagged as duplicates when HIPS performs an IHI lookup using the IHI	Different patients with the same name and date of birth, but different IHIs can be flagged as duplicates after HIPS performs an IHI lookup using the IHI. When HIPS performs the lookup with the Medicare or DVA number it does 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, only uses the first name, last name and date of birth which can result in a false duplicate being flagged. This scenario is very rare, however until resolved, the impact of this issue can be mitigated by enabling the IhiAllowMHRAccessForDuplicates setting which allows access to the My Health Record for patients with a duplicate status.

ADO ID	Summary	Issue description
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>
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.

ADO ID	Summary	Issue description
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. 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.
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>USE [Master]</p> <p>GRANT VIEW SERVER STATE TO [<HIPS service account he</p> <p>GRANT VIEW ANY DEFINITION TO [<HIPS service account</p>

ADO ID	Summary	Issue description
32273	Author Role is unavailable for some documents in Health Record Overview	In all versions of HIPS that show the Health Record Overview (HIPS 6.1 and later), the Author Role is showing as "Not Available" in the Health Record Overview for documents uploaded using v1.3.0 or later of the Agency's MHR B2B library. This affects documents uploaded using HIPS v8.3, as well as documents uploaded by other vendor software using the Agency's MHR B2B library v1.3.0 or later.
33630	HIPS UI Configuration Management displays an error after saving settings if the total setting data size exceeds 2 MB	<p>On the Configuration Management page in HIPS UI, the following error is displayed after saving a setting, if the total combined data size for all settings exceeds 2 MB:</p> <p>"An unexpected error occurred, please try again. If the error persists please contact your help desk for more information."</p> <p>The following error is logged in HIPS UIs ELMAH_Error table:</p> <p>"Error during serialization or deserialization using the JSON JavaScriptSerializer. The length of the string exceeds the value set on the maxJsonLength property."</p> <p>The error occurs after the saving of the setting change is completed and while returning the updated setting list to the front-end, which means the setting is correctly modified.</p> <p>Workaround</p> <p>The simplest workaround for this issue is to refresh the page when the error is encountered. Alternatively, sites can try to reduce the volume of setting data by adopting Global settings where possible instead of Organisation or Facility scope settings. For example, if your site runs as a CSP and all organisations use the same certificate, the Organisation scoped Certificates can be replaced by a single Global scoped certificate.</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
Defect 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 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>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
	<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.
	<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. 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. 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 IsPcehrAdvertisedLocal to look up a patient's PCEHR status in the local data without connecting to the PCEHR. This was requested due to the UI making a large number of calls to the PCEHR.
NEHTA CDA® Generator Library	Updated the NEHTA CDA Generator Library to only generate a single section in the CDA document when creating a Discharge Summary 1A document.
Patient Summary	Added a date range selector to allow the user to reduce the number of documents retrieved from the PCEHR. This is to work around the 1000 document limitation on the PCEHR.
NEHTA Stylesheets	Update the NEHTA Stylesheets to version 1.2.9
Assisted Registration	Improved error information displayed to the user so they have a greater opportunity to resolve the issue and register the patient.
Logout	A new configuration setting has been added allowing the Logout button to be removed for implementations that do not want users to be able to logout.
eHISC UI user security improvements	As part of the test deployment of eHISC 2.0.3, issues were found with the integration with some Active Directory installations involving multiple domains with one-way trusts. The Active Directory integration has been updated to make it more flexible.
Demographic mismatch status	An issue was found that prevented the demographic mismatch alert status from being saved into the IHI record after a Medicare or DVA number change.
Prescription and Dispense View	Fixed a bug the prevented users from seeing a patient's Prescription and Dispense View if the patient had no other documents loaded to the PCEHR.
Gain Access	Fixed a bug where Gain Access would fail for patients without a current episode.
Withdraw Consent	Fixed a bug that prevented withdraw of consent to all of a patient's episodes if any of them had a document already uploaded.

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
	<div>HealthProviderOrganisationPatient Advertised Status Update Fix</div> <div>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.</div>
April 2014	<div>eHealth Integration Sample Code (eHISC) v1.0</div> <div>Release rationale</div> <div>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.</div>

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Australian Digital Health Agency ABN 84 425 496 912, Level 25, 175 Liverpool Street, Sydney, NSW 2000 digitalhealth.gov.au
Telephone 1300 901 001 or email help@digitalhealth.gov.au

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