# health

# Health SMART Design Authority

# **IHI Pre-Implementation Project**

Detailed IHI Functional Design (Summary & Business Processes)





Authorised by the Victoria Government, Melbourne.

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### 1. Preface

### 1.1 Document Purpose

The purpose of the document is to define the functional design for the integration of the Individual Health Identifier (IHI) into a typical patient administration system, such that it can be reviewed by stakeholders.

### 1.2 Intended Audience

The intended audience of this document includes:

- Victorian Department of Health Project Sponsor;
- Victorian Department of Health Project Staff;
- Victorian IHI Workshop attendees;
- Victorian health services;
- Other jurisdictional Health Departments;
- Health services in other States and Territories;
- Vendors of health IT systems; and
- NEHTA staff.

#### 1.3 References and Related Documents

- NEHTA HI Service Concept of Operations v 1.0 FINAL Nov 2009
- NEHTA Individual Healthcare Identifiers Business Requirements v 1.0 FINAL Nov 2009
- NEHTA HI Security and Access framework v 1.0 FINAL Nov 2009
- NEHTA HI Business Use Case Catalogue v 1.0 FINAL Nov 2009
- NEHTA HI Service Catalogue v 1.0 Final Nov 2009
- NEHTA HI Service Glossary v 1.0 DRAFT Nov 2009
- Vic IHI Integration Business Requirements Specification
- Vic IHI Integration Best Practice Guide (DRAFT)
- Medicare Australia HI Service Technical Services Catalogue R3A v3.0.2.doc
- Medicare Australia TECH.SIS.HI.01 SIS Common Document for SIS v3.0.2.doc
- Medicare Australia TECH.SIS.HI.02- SIS Common field processing reference document for SIS v3.0.2.doc
- Medicare Australia TECH.SIS.HI.03 Update Provisional IHI via B2B v3.0.2.doc
- Medicare Australia TECH.SIS.HI.04 Search for HPI-I via B2B v3.0.2.doc
- Medicare Australia TECH.SIS.HI.05 Update IHI via B2B v3.0.2.doc
- Medicare Australia TECH.SIS.HI.06 IHI Inquiry Search via B2B v3.0.2.doc
- Medicare Australia TECH.SIS.HI.07 Search for HPI-O via B2B v3.0.2.doc
- Medicare Australia TECH.SIS.HI.08 Resolve Provisional IHI- Merge Records via B2B v3.0.2.doc
- Medicare Australia TECH.SIS.HI.09 Resolve Provisional IHI- Create Unverified IHI via B2B v3.0.2.doc
- Medicare Australia TECH.SIS.HI.10 Create Provisional IHI via B2B v3.0.2.doc

- Medicare Australia TECH.SIS.HI.11 Create Unverified IHI via B2B v3.0.2.doc
- Medicare Australia TECH.SIS.HI.12 IHI Batch Searching v3.0.2.doc
- Medicare Australia HI Service IHI Searching Guide v0.3 Draft.doc
- FR.SVI.SPEC.01.232 Notify Duplicate Replica IHI via\_B2B v3.25 (R3b).doc
- Healthcare Identifiers Act 2010

### 2. Introduction

### 2.1 Background

The Victorian IHI Pre-Implementation Project is responsible for identifying and documenting processes that will enable the rollout of IHIs to all Victorians with patient records in Health *SMART* health services, and all operational processes that support the use and maintenance of the IHI over time.

Victorian health services operate largely independently, due to the nature of the enabling legislation, with each health service owning and maintaining a dedicated patient register. Victorian Health SMART health services collectively store over 50 million individual patient records.

A key element of the IHI integration design for the IHI Pre Implementation Project is to understand each "problem" and requirement, so that effective and workable solutions can be defined. The deliverables for the IHI Pre-Implementation Project include a Best Practice Guide for health services capturing and utilising the IHI. For the initial load of IHI data, given the Victorian data volumes, a reasonably high match ratio is essential to overall success.

While the focus of the project is upon Health SMART health services, this deliverable is intended to be used by all health services, Health departments, and vendors looking to integrate the IHI into their systems and processes.

### 2.2 Aims and Objectives

The aim of the project is to produce artefacts that will support successful implementation of IHI, including a Solution Architecture Design, Business Requirements, Business practice Guides and a sample Business Case. See the Project Brief for more details.

It will achieve these aims through meeting the following objectives:

- Define and incorporate reference solution designs and principles for the integration of Individual Healthcare Identifiers into the Health SMART solution architecture.
- Defining an architecture, or architectures, that supports other models for patient administration, eg EMPI based.
- Use the reference solution design & principles to identify requirements and validate enhancements to Victorian Health IT environments and applications utilising NEHTA services (both Health SMART and non-Health SMART):
- Document requirements, functional specifications and technical specifications for IHI integration with a nominated and agreed PAS product.
- Based on this experience and knowledge gained recommend any proposed changes to the national IHI implementation approach in consultation with other jurisdictions and NEHTA reference groups.
- Leverage the NEHTA architecture and engagement teams capabilities to best use in the Victorian implementation/s, etc.

The aim of this deliverable is to present a simplified view of the functional design for integration of the IHI into health services' systems and processes. A more detailed deliverable is also available, though this will primarily be of interest to implementers (IT vendors).

The goal of the functional design is to ensure that it caters for all HI Service functions relating to the IHI, and associated exception handling, even though Victorian HealthSMART health services may not make active use of some functions.

### 2.3 Approach to Functional Design

This document comprises Business Processes and Use Cases. Requirements are documented separately, and should be read in conjunction with this document. The documented Business Processes define end-to-end processes, comprising automated steps that are defined further as Use Cases. Most of the Use Cases identified within the Business Processes are defined within this document. If they are not, they are typically PAS-specific use cases that will differ amongst the different PAS applications and not in scope for definition here.

Use Cases are documented according to the UML 2.0 standard, with the Use Case process, with alternate flows, below the description table.

The Functional Design is supported by Technical Design and Architecture deliverables.

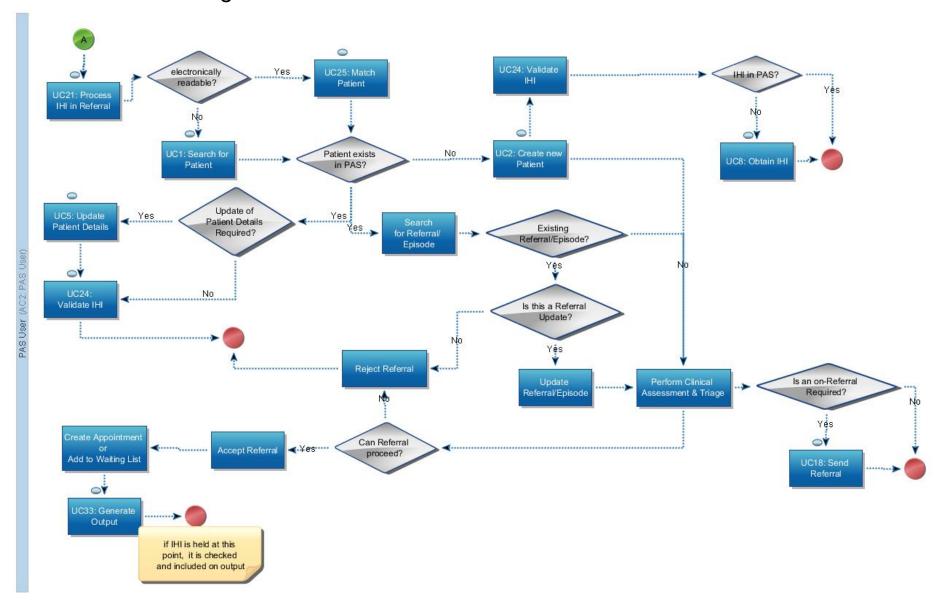
The remainder of this document has been automatically generated by the Blueprint Requirements Center 2010 tool.

# 3. Business Processes

### 3.1 Business Process List

ID	Name	Page
BP1	Patient Registration from a Referral	9
BP6	Patient Flow	11
BP2	Unreferred Patient Presentation	13
BP4	Patient Death Registration	15
BP7	Create Referral	16
BP8	Resolve Duplicate Patient Records	17
BP9	Perform Batch Process	18
BP10	Resolve IHI Exception	19
BP11	Attend Appointment/Treatment	20

### 3.2 BP1:Patient Registration from a Referral



#### 3.2.1 Swimlane: PAS User

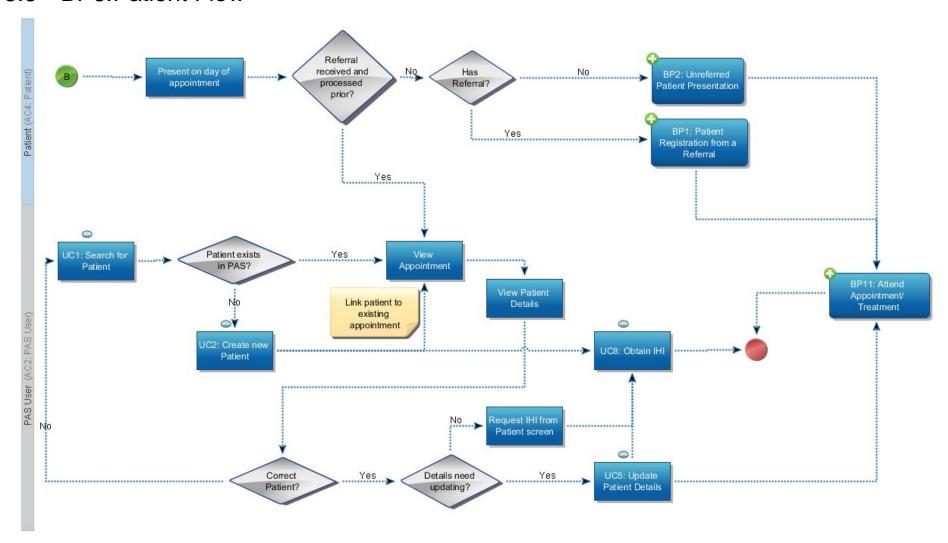
Artifacts Related to this Swimlane:

→ AC2: PAS User

### 3.2.2 Business Process Elements within this Swimlane:

Element	Description	Related Artifacts
UC1: Search for Patient	This is an automated process that attempts to locate a matching patient record for the incoming referral.	→ UC1: Search for Patient
	See 8.1.3.3 Proceed the referral – Search Client PMI of P&CMS_e_Referral_Requirements_High_Level _1.1	
UC2: Create new Patient	When creating a new patient, a new step must be included to flag whether the patient requires an Unverified IHI.	→ UC2: Create new Patient
Create Appointment or Add to Waiting List	If an appointment can be made, it is created, otherwise the patient is added to the waiting list.	
UC21: Process IHI in Referral	This Use Case pre-processed the IHI in the referral, to determine wither it is consistent with what is held in the HI Service.	→ UC21: Process IHI in Referr
UC8: Obtain IHI	This Use Case obtains the IHI from the HI Service.	→ UC8: Obtain IHI
UC24: Validate IHI	This Use Case checks the incoming IHI from the referral against what is held in the PAS and determines what to do with discrepancies.	→ UC24: Validate IHI
UC33: Generate Output	This Use Cases produces required output for the patient.	→ UC33: Generate Output
UC25: Match Patient	This Use Case attempts to perform an automated match to the patient based on data included in the electronically readable referral.	→ UC25: Match Patient
Search for Referral/ Episode	The user attempts to find a referral or prior episode to match this referral to.	
Update Referral/Episode	Updates the Referral or Episode if this is an update.	
Reject Referral	Sends a rejection message back to the originator. If the IHI is known, it is included in the message.	
Perform Clinical Assessment & Triage	The health service performs clinical assessment and triage	
UC18: Send Referral	Sends a Referral if an on-referral is required.	→ UC18: Send Referral
UC5: Update Patient Details	This Use Case updates Patient Details into the PAS.	→ UC5: Update Patient Details
Accept Referral	Sends an acceptance message back to the originator. If the IHI is known, it is included in the message.	
UC24: Validate IHI	This Use Case validates the IHI received in the referral with what is held in the PAS for this patient.	

### 3.3 BP6:Patient Flow



#### 3.3.1 Swimlane: Patient

Artifacts Related to this Swimlane:

→ AC4: Patient

#### 3.3.2 Business Process Elements within this Swimlane:

Element	Description	Related Artifacts
Present on day of appointment	The patient presents on the day of their scheduled appointment.	
SP1: BP1: Patient Registration from a Referral	See BP1:Patient Registration from a Referral.	
SP2: BP2: Unreferred Patient Presentation	See BP2:Unreferred Patient Presentation	→ BP2: Unreferred Patient Presentation

#### 3.3.3 Swimlane: PAS User

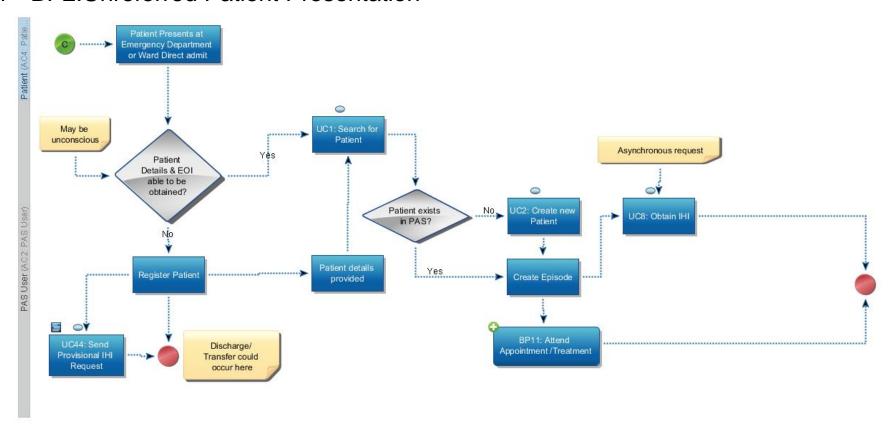
Artifacts Related to this Swimlane:

→ AC2: PAS User

#### 3.3.4 Business Process Elements within this Swimlane:

Element	Description	Related Artifacts
UC2: Create new Patient	When creating a new patient, a new step must be included to flag whether the patient has requested an Unverified IHI.	→ UC2: Create new Patient
View Appointment	The user views the appointment for the patient.	
View Patient Details	The user views the patient's details.	
UC5: Update Patient Details	This Use Case updates Patient Details into the PAS	→ UC5: Update Patient Detail:
UC8: Obtain IHI	This Use Case obtains the IHI from the HI Service.	→ UC8: Obtain IHI
UC1: Search for Patient	This is an automated process that attempts to locate a matching patient record for the incoming referral.	→ UC1: Search for Patient
	See 8.1.3.3 Proceed the referral – Search Client PMI of P&CMS_e_Referral_Requirements_High_Lev el_1.1	
Request IHI from Patient screen	There will be a point on the patient screen where a user can request an IHI to be retrieved for the current patient. This will trigger the Obtain IHI Use Case.	
SP3: BP11: Attend Appointment/ Treatment	See BP11:Attend Appointment/Treatment	→ <u>BP11: Attend</u> <u>Appointment/Treatment</u>

### 3.4 BP2:Unreferred Patient Presentation



#### 3.4.1 Artefacts Related to the Business Process

- ← <u>DP583: Provisional IHI use</u>
- ← BP6: Patient Flow

#### 3.4.2 Swimlane: Patient

Artifacts Related to this Swimlane:

→ AC4: Patient

#### 3.4.3 Business Process Elements within this Swimlane:

Element	Description	Related Artifacts
Patient Presents at Emergency Department or Ward Direct admit	This occurs when a patient is admitted without a prior appointment. This would most likely be when they are transferred directly to a ward or they are admitted through the emergency department.	

#### 3.4.4 Swimlane: PAS User

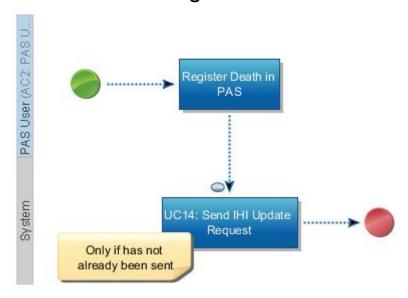
Artifacts Related to this Swimlane:

→ AC2: PAS User

#### 3.4.5 Business Process Elements within this Swimlane:

Element	Description	Related Artifacts
UC1: Search for Patient	This is a manual process of searching for the patient in the PAS system.	→ UC1: Search for Patient
UC2: Create new Patient	This Use Case covers the existing process for creating a new patient in the PAS.	→ UC2: Create new Patient
Create Episode	The user creates an episode as they would normally do.	
Register Patient	The process of registering a patient for whom minimal personal details are known	
UC44: Send Provisional IHI Request	This Use Case sends a provisional IHI request to the HI Service	← <u>DP583: Provisional IHI</u> <u>use</u>
		→ UC44: Send Provisional IHI Request
UC8: Obtain IHI	This Use Case obtains the IHI from the HI Service.	→ UC8: Obtain IHI
Patient details provided	May be a carer or a friend providing details	
SP1: BP11: Attend Appointment /Treatment		→ <u>BP11: Attend</u> <u>Appointment/Treatment</u>

### 3.5 BP4:Patient Death Registration



### 3.5.1 Swimlane: PAS User

Artifacts Related to this Swimlane:

→ AC2: PAS User

#### 3.5.2 Business Process Elements within this Swimlane:

Element	Description	Related Artifacts
Register Death in PAS	The user registers the patient's death details into the PAS.	

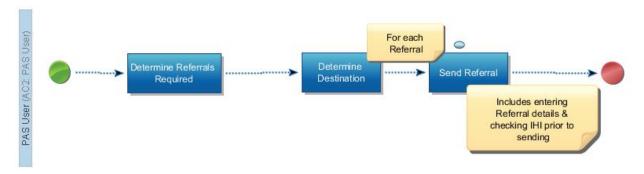
### 3.5.3 Swimlane: System

No related artefacts.

#### 3.5.4 Business Process Elements within this Swimlane:

Element	Description	Related Artifacts
UC14: Send IHI Update Request	This Use Case sends updated details for an IHI to the HI Service. In this scenario, it is the death details that are sent.	→ UC14: Send IHI Update Request

### 3.6 BP7:Create Referral



#### 3.6.1 Swimlane: PAS User

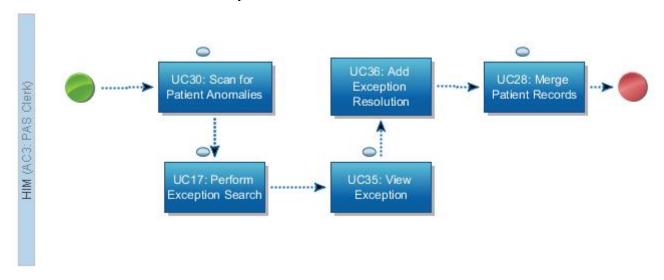
Artifacts Related to this Swimlane:

→ AC2: PAS User

#### 3.6.2 Business Process Elements within this Swimlane:

Element	Description	Related Artifacts
Determine Referrals Required	The user determines what referrals are required.	
Determine Destination	The user determines the destination for each referral (le. Which Healthcare Provider Individual)	
Send Referral	This Use Case allows the user to send the referral.	→ UC18: Send Referral

### 3.7 BP8:Resolve Duplicate Patient Records



#### 3.7.1 Swimlane: HIM

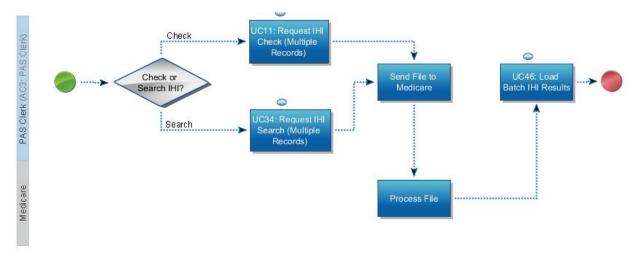
Artifacts Related to this Swimlane:

→ AC3: PAS Clerk

#### 3.7.2 Business Process Elements within this Swimlane:

Element	Description	Related Artifacts
UC28: Merge Patient Records	This Use Case merges the patient records in the PAS and sends a merge request to the HI Service.	→ UC28: Merge Patient Records
UC30: Scan for Patient Anomalies	This Use Case scans the patient records in the PAS for certain situations	→ UC30: Scan for patient anomalies
UC17: Perform Exception Search	This Use Case allows the user to search for IHI Exceptions based on specific criteria.	→ UC17: Perform Exception Search
UC35: View Exception	This Use Case allows the user to view the details of a specific IHI Exception.	→ UC35: View Exception
UC36: Add Exception Resolution	This Use Case allows the user to add a resolution to a specific IHI Exception.	→UC36: Add Exception Resolution

### 3.8 BP9:Perform Batch Process



#### 3.8.1 Swimlane: PAS Clerk

Artifacts Related to this Swimlane:

→ AC3: PAS Clerk

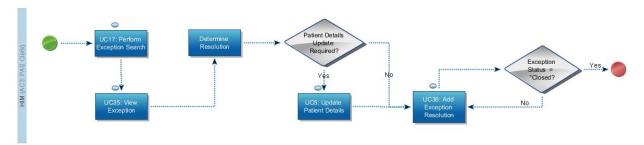
#### 3.8.2 Business Process Elements within this Swimlane:

Element	Description	Related Artifacts
UC11: Request IHI Check (Multiple Records)	This Use Case allows the user to request IHI Checks on multiple patient records.	→ UC11: Request IHI Check (Multiple Records)
UC34: Request IHI Search (Multiple Records)	This Use Case allows the user to Obtain IHIs for multiple patient records.	→ UC34: Request IHI Search (Multiple Records)
Send File to Medicare	The process of sending the request file to Medicare. This will be done by encrypted USB.	
UC46: Load Batch IHI Results	This Use Case allows the user to load the result of a prior Bulk request.	→ UC46: Load Batch IHI Results

#### 3.8.3 Business Process Elements within this Swimlane:

Element	Description	Related Artifacts
Process File	Medicare processes the request file.	

### 3.9 BP10:Resolve IHI Exception



#### 3.9.1 Swimlane: HIM

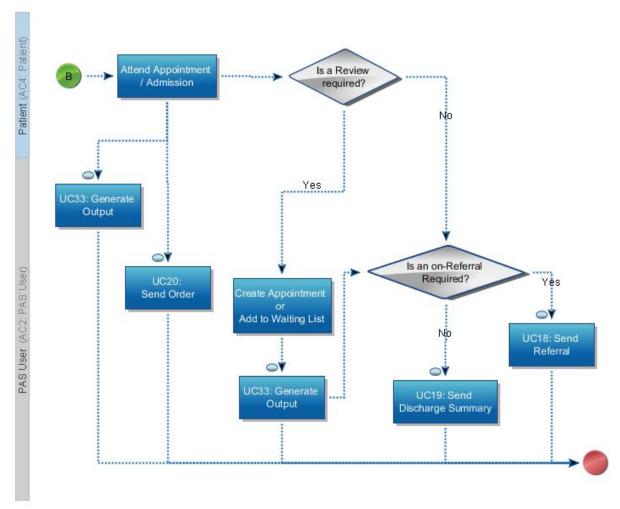
Artifacts Related to this Swimlane:

→ AC3: PAS Clerk

### 3.9.2 Business Process Elements within this Swimlane:

Element	Description	Related Artifacts
UC17: Perform Exception Search	This Use Case allows the user to search for IHI Exceptions based on specific criteria.	→ UC17: Perform Exception Search
UC35: View Exception	This Use Case allows the user to view the details of a specific IHI Exception.	→ UC35: View Exception
Determine Resolution	The user determines what resolution is required.	
UC5: Update Patient Details	This Use Case updates Patient Details into the PAS.	→ UC5: Update Patient Details
UC36: Add Exception Resolution	This Use Case allows the user to add a resolution to a specific IHI Exception.	→ UC36: Add Exception Resolution

### 3.10 BP11:Attend Appointment/Treatment



#### 3.10.1 Artefacts Related to the Business Process

- ← BP6: Patient Flow
- ← BP2: Unreferred Patient Presentation

#### 3.10.2 Swimlane: Patient

Artifacts Related to this Swimlane:

→ AC4: Patient

#### 3.10.3 Business Process Elements within this Swimlane:

Element	Description	Related Artifacts
Attend Appointment / Admission	The patient attends to appointment or is admitted for treatment.	

#### 3.10.4 Swimlane: PAS User

Artifacts Related to this Swimlane:

→ AC2: PAS User

### 3.10.5 Business Process Elements within this Swimlane:

Element	Description	Related Artifacts
Create Appointment or Add to Waiting List	If an appointment can be made, it is created, otherwise the patient is added to the waiting list.	
UC19: Send Discharge Summary	$  \cdot   \cdot   \cdot   \rightarrow 0.019.36110$	
UC33: Generate Output	$\rightarrow$ 0033. Generate	
UC18: Send Referral	This Use Case allows the user to send the referral.	→ UC18: Send Referral
UC20: Send Order	This Use Case sends various types of Orders to their recipients.	→ UC20: Send Order
UC33: Generate Output	This Use Cases produces required output for the patient.	→ UC33: Generate Output

# 4. Use Cases

### 4.1 Patient Use Case List

ID	Name
UC1	Search for Patient
UC25	Match Patient
UC2	Create new Patient
UC5	Update Patient Details
UC38	Display Alert(s)
UC33	Generate Output

### 4.2 IHI Processing Use Case List

ID	Name	
UC8	Obtain IHI	
UC7	Search for IHI	
UC10	Update IHI	
UC9	Check IHI	
UC12	Generate IHI Exception	
UC11	Request IHI Check (Multiple Records)	
UC34	Request IHI Search (Multiple Records)	
UC24	Validate IHI	
UC46	Load Batch IHI Results	
UC51	Process Patient Details Update	
UC54	Refresh IHI	
UC55	Reset Merge	

### 4.3 HI Service Use Case List

ID	Name	
UC15	Send IHI Request	
UC16	Send Unverified IHI Request	
UC14	Send IHI Update Request	
UC43	Send Merge Request	
UC44	Send Provisional IHI Request	
UC45	Send Provisional IHI Update Request	
UC49	Send Provisional to Unverified Resolution Request	
UC48	Send Medicare Service Request	
UC56	Send Duplicate or Replica IHI Notification	

### 4.4 Care Co-ordination Use Case List

ID	Name	
UC18	Send Referral	
UC19	Send Discharge Summary	
UC20	Send Order	
UC21	Process IHI in Referral	
UC22	Send Referral Update	
UC23	Send Referral Cancellation	

### 4.5 HIMs Use Case List

ID	Name
UC17	Perform Exception Search
UC35	View Exception

ID	Name	
UC36	Add Exception Resolution	
UC28	Merge Patient Records	
UC40	Perform Merge Analysis	
UC29	Unmerge Patient Records	
UC30	Scan for patient anomalies	
UC37	Manage Exception Type	
UC50	Close Exception	
UC31	View Patient IHI Report	
UC52	View IHI Summary Report	

### 4.6 Actor(s):

The following table identifies the relevant Actors for the System. System implementers should consider the mapping between Actors and Use Cases as a guideline for role based access at an agency level.

ID	Name	Aliases
AC2	PAS User	PAS Clerk, Clinician, Nurse, Ancillary Workers, Interpreters, ED User, Intake Manager
AC3	PAS Clerk	Registration Clerk, Admissions Clerk, Ward Clerk, HIM
AC4	Patient	Client
AC5	Clinical System User	Administrative User, Clinician
AC6	The PAS System	The PAS System
AC7	PAS Administrator	
AC8	System Administrator	

# 5. Messages

### 5.1 Alerts

Alerts are created on individual patient records to alert the Actor to a certain condition that applies to that record. See the Best Practice Guide for procedures for each alert.

ID	Name	Message
AT574	Unstable IHI	The IHI is currently undergoing exception processing.
AT575	Deceased	The patient may be deceased.
AT576	Potential Duplicate	Duplicate record may exist: [Other URN].
AT616	Ineligible for Verified IHI	Ineligible for Verified IHI as at [date].

### 5.2 Error Messages

The errors listed below are raised by the System.

ID	Name	Message
EM145 /	HI Service Timeout	The HI Service is offline.
E100		
EM135 /	Insufficient Information	The patient record does not have sufficient information held
E101		on it to perform the IHI request.
EM138 /	Duplicate PAS Criteria	The PAS system has duplicate records based on the IHI
E102	!	search criteria.
EM141 /	Duplicate IHIs within PAS	The IHI that was returned already exists on another record
E103		within the PAS.
EM420 /	Referral IHI and returned	There was an IHI in the Referral and not in the PAS. An IHI
E105	IHI mismatch	Search was conducted. The returned IHI does not match the
	!	IHI in the referral.
EM421 /	Non-Active Patient	Validate of IHI was attempted on a non-Active patient record.
E106		
EM424 /	Different People	The two compared top-level numbers do not match and may
E107	·	belong to two different people.

The errors listed below are raised by the HI Service.

ID	Name	Message
EM370 / E104	No Match found	No IHI match was found.
EM603 / 01500	No Match	No match has been found.
EM302 / 00013	Family Name	The family name contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.
EM303 / 00018	Birth Year	The birth year must not be less than 1800, i.e. it must be equal to or greater than 1800.
EM304 / 00019	Future DoB	The date of birth must not be in the future.
EM305 / 00081	Locality	The locality contains invalid characters. Only alpha characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.
EM306 / 00083	Postcode	The postcode contains invalid characters. Only numeric characters are acceptable. The postcode must contain four numeric characters for an Australian address.
EM307 / 00098	Locality Combination	The locality, postcode and state is not a valid combination.
EM308 /	Medicare check digit	Medicare card fails check digit routine.

Mobile Number   The mobile number contains invalid characters. Only alpha and numeric characters are acceptable.	ID	Name	Message
EM322 /		Traine	Moodago
BM324   @ You must key the @ symbol as part of the email address.		Mobile Number	The mobile number contains invalid characters. Only alpha
EM324 / @ You must key the @ symbol as part of the email address.		Medic Hamber	
December 2008   EM325   Em32		@	
EM325 / Brail and the small address must have alpha/numeric characters immediately before or after the @ symbol. Spaces must not immediately precede or follow the @ symbol. Spaces must not immediately precede or follow the @ symbol. The date of death must not be in the future.  EM328 / Date of Death / Date of Birth  EM328 / Date of Death / Date of Birth  EM328 / Date of Death / Death or of Birth  EM329 / Date of Death / Death or of Birth  EM329 / Death Notification Source of Date of Death with the date of death must not be earlier than the date of birth. You must key a date of death when a death notification source of Date of Death or Date or Da			Tournaction and Symbol as part of the Small address.
EM326 / 00267   Future date of death   The date of death must not be in the future.		email	The email address must have alpha/numeric characters
immediately precede or follow the ② symbol.  EM326 / Future date of death		oman .	
EM326 / O267 Birth   EM327 / Date of Death / Date of   Birth   Date of Death / Date of   Birth   Date of Death / Date of   Date of Death / Date of   Birth   Date of Death / Date of   Date of Death / Death   Osification Source   Doath Notification Source   Os371 / Date of Death	00000		
EM327	FM326 /	Future date of death	
EM327 / Date of Death / Date of Birth		r didic date of death	The date of death most not be in the latere.
DOZ75   Birth   EM328 / Date of Death/ Death   Doate of Death / Death   Notification Source   Source   Notification Source   Source   Notification Source   Notification Source   You must select a death notification source when a date of death has been keyed.   Oate of Death   Vou must select a death notification source when a date of death has been keyed.   Please contact Help Desk to resolve the unknown error.   Please contact Help Desk to resolve the unknown error.   O15474   EM311 / O1514   IHI check digit   IHI Number fails the check digit routine.   O1527   EM312 / Multiple Matches Found   Multiple matches found. Please refine the search criteria.   O1528   Invalid DVA   The DVA file number entered is invalid.   O1544   EM314 / O1581   Invalid DVA   The DVA file number entered is invalid.   O1581   The Unit Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens.   EM315 / O1582   Address Site Name   The Address Site Name   The Address Site Name   The Address Site Name   The Level Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens.   EM316 / O1583   The Level Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.   The Level Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.   The Street Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.   The Street Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens are		Date of Death / Date of	The date of death must not be earlier than the date of hirth
EM328 / Date of Death/ Death (00370			The date of death most not be earlief than the date of birth.
Doard Notification Source   Source has been selected.			You must key a date of death when a death notification
EM319			
Date of Death   Deat			
EM310 / 01474			
EM311 / O1524   IHI check digit   IHI Number fails the check digit routine.			
EM311 / 01514		Unknown enor	Please contact help besk to resolve the unknown error.
EM142 / Multiple Matches Found   Multiple matches found. Please refine the search criteria.		ILI obook digit	IHI Number feile the check digit routine
EM142 / 01527		ini check digit	ini Number falls the check digit foutilie.
EM312 / 01544		Multiple Metabas Found	Multiple metabog found Diagog refine the goardh criteria
EM312 / 01528		Multiple Matches Found	Multiple matches found. Please refine the search criteria.
EM313 / 01544		Multiple seconds oritorie	Multiple security with the Leave of Discount files the security
EM313 / 01544		Multiple search criteria	
D1544		Levis Ed DVA	
EM314 / 01581		Invalid DVA	The DVA file number entered is invalid.
and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM315 / 01582  EM316 / 01582  EM316 / 01583  EW316 / 01583  EW317 / 01584  EW317 / 01584  EW317 / 01584  EW317 / 01584  EW318 / 01585  EM318 / 01585  EM318 / 01585  EM318 / 01585  EM318 / 01586  EM319 / 01586  EM310 / 01587  EM310 / 01587  EM310 / 01588  EW310 / 01588  Address Site Name on tains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EW317 / 01586  EW318 / 01586  EW318 / 01586  EW319 / 01586  EW310 / 01586  EW310 / 01587  EW320 / 01587  EW320 / 01588  EW320 / Postal Delivery Number  O1588  EW320 / 01588  The Postal Delivery Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens.  The Postal Delivery Number contains invalid characters.  Only alpha and numeric characters, apostrophes and hyphens.  EW320 / 01588  The Postal Delivery Number contains invalid characters.  Only alpha and numeric characters, apostrophes and hyphens.  The Postal Delivery Number contains invalid characters.  Only alpha and numeric characters, apostrophes and hyphens.  The Postal		The State and the	The He't North and a constraint in a little to a state of the latest and the state of the latest and the state of the stat
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EM315 / 01582  Address Site Name  The Address Site Name contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM316 / 01583  EM317 / 01584  EM317 / 01584  EM318 / 01585  EM318 / 01585  EM318 / 01585  EM318 / 01585  EM319 / 01586  EM319 / 01586  EM319 / 01586  EM319 / 01587  EM319 / 01587  EM319 / 01587  EM319 / 01587  EM310 / 01587  EM310 / 01587  EM310 / 01588  EM310 / 0			
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are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM316 / 01583  Level Number  The Level Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM317 / 01584  Street Number  The Street Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM318 / 01585  EM319 / 01586  EM319 / 01586  Street Name  The Street Name contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens.  The Street Name contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM319 / 01586  EM319 / 01586  EM319 / 01586  Suburb  The Street Name contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM506 / 01587  Fostal Delivery Number  The Postal Delivery Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM320 / 01588  EM320 / Postal Delivery Number  The Postal Delivery Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  The Postal Delivery Number contains invalid characters.  Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.		Address Site Name	
or after apostrophes and hyphens.  EM316 / 01583  Level Number  The Level Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM317 / 01584  Street Number  The Street Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM318 / 01585  EM319 / 01586  Street Name  The Lot Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens.  EM319 / 01586  EM506 / 01587  EM506 / 01587  EM506 / 01588  EM320 / 01588  EXPIRED RECORD Matched  The Suburb of the Address contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens.  The Postal Delivery Number  The Postal Delivery Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens.  EM320 / 01588  EM320 / 01580  EM320 / 0158	01582		
EM316 / 01583  Level Number  The Level Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens are hyphens.  EM317 / 01584  EM318 / 01585  EM318 / 01585  Lot Number  Lot Number  The Street Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM319 / 01586  EM319 / 01586  Street Name  The Street Name contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM506 / 01587  EM506 / 01587  Postal Delivery Number  The Postal Delivery Number  The Postal Delivery Number ontains invalid characters. Only alpha and numeric characters, apostrophes and hyphens.  The Postal Delivery Number ontains invalid characters. Only alpha and numeric characters, apostrophes and hyphens.  EM320 / 01588  The Postal Delivery Number ontains invalid characters. Only alpha and numeric characters, apostrophes and hyphens.  The Postal Delivery Number contains invalid characters.  Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM320 / 01588  The Postal Delivery Number ontains invalid characters.  The Postal Delivery Number ontains invalid characters.  Only alpha and numeric characters, apostrophes and hyphens.  The Postal Delivery Number ontains invalid characters.  Only alpha and numeric characters, apostrophes and hyphens.  EM320 / 01586  EM320 / 0			
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acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM317 / 01584  Street Number  The Street Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM318 / 01585  EM319 / 01586  Street Name  The Lot Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM319 / 01586  EM506 / 01587  Suburb  The Street Name contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM506 / 01587  The Suburb of the Address contains invalid characters. Only alpha characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM320 / 01588  Postal Delivery Number  The Postal Delivery Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM320 / 01588  The Postal Delivery Number contains invalid characters.  Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM320 / 01588  The Postal Delivery Number contains invalid characters.  The Postal Delivery Number contains invalid characters.  Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM320 / 01588		Level Number	
after apostrophes and hyphens.  EM317 / 01584  Street Number  The Street Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM318 / 01585  EM319 / 01586  Street Name  The Lot Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM319 / 01586  EM319 / 01586  Street Name  The Street Name contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM506 / 01587  EM320 / 01588  Postal Delivery Number  The Postal Delivery Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens.  EM320 / 01588  The Suburb of the Address contains invalid characters. Only alpha characters, apostrophes and hyphens.  The Postal Delivery Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM143 / 01613  Expired Record Matched  This IHI record has an 'Expired' IHI status and can not be retrieved via this channel.	01583		
EM317 / 01584  Street Number  The Street Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM318 / 01585  Lot Number  The Lot Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM319 / 01586  Street Name  The Street Name contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM506 / 01587  Suburb  The Suburb of the Address contains invalid characters. Only alpha characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM320 / 01588  Postal Delivery Number  The Postal Delivery Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM143 / 01613  Expired Record Matched  This IHI record has an 'Expired' IHI status and can not be retrieved via this channel.			
and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM318 / 01585  EM319 / 01586  EM319 / 01586  EM319 / 01586  EM319 / 01586  EM320 / 01587  EM320 / 01588  EXPIRITE RECORD Matched This IHI record has an 'Expired' IHI status and can not be retrieved via this channel.	EN 40 47 /	0	
acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM318 / 01585  Lot Number  The Lot Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM319 / 01586  EM319 / 01586  Street Name  The Street Name contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM506 / 01587  The Suburb of the Address contains invalid characters. Only alpha characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM320 / 01588  The Postal Delivery Number only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM143 / 01613  Expired Record Matched This IHI record has an 'Expired' IHI status and can not be retrieved via this channel.		Street Number	
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EM318 / 01585			
numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM319 / O1586  Street Name  The Street Name contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM506 / O1587  Suburb  The Suburb of the Address contains invalid characters. Only alpha characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM320 / O1588  Postal Delivery Number  The Postal Delivery Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM143 / Expired Record Matched  This IHI record has an 'Expired' IHI status and can not be retrieved via this channel.			
acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM319 / O1586  Street Name  The Street Name contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM506 / O1587  Suburb  The Suburb of the Address contains invalid characters. Only alpha characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM320 / O1588  Postal Delivery Number  The Postal Delivery Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM143 / O1613  Expired Record Matched  This IHI record has an 'Expired' IHI status and can not be retrieved via this channel.		Lot Number	
after apostrophes and hyphens.  EM319 / O1586  Street Name  The Street Name contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM506 / O1587  Suburb  The Suburb of the Address contains invalid characters. Only alpha characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM320 / O1588  Postal Delivery Number  The Postal Delivery Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM143 / Expired Record Matched  This IHI record has an 'Expired' IHI status and can not be retrieved via this channel.	01585		
EM319 / 01586  Street Name  The Street Name contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM506 / 01587  Suburb  The Suburb of the Address contains invalid characters. Only alpha characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM320 / 01588  Postal Delivery Number  The Postal Delivery Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM143 / Expired Record Matched 01613  This IHI record has an 'Expired' IHI status and can not be retrieved via this channel.			
and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM506 / Suburb  The Suburb of the Address contains invalid characters. Only alpha characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM320 / Postal Delivery Number  O1588  Postal Delivery Number ontains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM143 / Expired Record Matched O1613  This IHI record has an 'Expired' IHI status and can not be retrieved via this channel.	<b></b>		
acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM506 / Suburb The Suburb of the Address contains invalid characters. Only alpha characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM320 / Postal Delivery Number The Postal Delivery Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM143 / Expired Record Matched This IHI record has an 'Expired' IHI status and can not be retrieved via this channel.		Street Name	
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EM320 / O1588  EM320 / O1588  Postal Delivery Number Only alpha and numeric characters, apostrophes and hyphens are acceptable. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM143 / Expired Record Matched O1613  The Suburb of the Address contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  This IHI record has an 'Expired' IHI status and can not be retrieved via this channel.			
alpha characters, apostrophes and hyphens are acceptable.  Spaces must not appear immediately before or after apostrophes and hyphens.  EM320 / O1588  Postal Delivery Number Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM143 / Expired Record Matched O1613  Expired Record Matched O1613			
Spaces must not appear immediately before or after apostrophes and hyphens.  EM320 / O1588  Postal Delivery Number Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM143 / Expired Record Matched O1613  Spaces must not appear immediately. Spaces must not appear immediately before or after apostrophes and hyphens.  This IHI record has an 'Expired' IHI status and can not be retrieved via this channel.		Suburb	
apostrophes and hyphens.  EM320 / Postal Delivery Number  O1588  Dolly alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM143 / Expired Record Matched  O1613  Dolly alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  This IHI record has an 'Expired' IHI status and can not be retrieved via this channel.	01587		
EM320 / Postal Delivery Number The Postal Delivery Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM143 / Expired Record Matched O1613  The Postal Delivery Number contains invalid characters. Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  This IHI record has an 'Expired' IHI status and can not be retrieved via this channel.			
Only alpha and numeric characters, apostrophes and hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM143 / Expired Record Matched O1613  Expired Record Matched It is in the control of the contr			
hyphens are acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.  EM143 / Expired Record Matched This IHI record has an 'Expired' IHI status and can not be retrieved via this channel.		Postal Delivery Number	
immediately before or after apostrophes and hyphens.  EM143 / Expired Record Matched  This IHI record has an 'Expired' IHI status and can not be retrieved via this channel.	01588		
EM143 / Expired Record Matched This IHI record has an 'Expired' IHI status and can not be retrieved via this channel.			
01613 retrieved via this channel.			
		Expired Record Matched	
EM214 / Retired Record Matched This IHI record has a 'Retired" IHI status and can not be			
	EM214 /	Retired Record Matched	This IHI record has a 'Retired" IHI status and can not be

ID	Name	Message
01614	Traine	retrieved via this channel.
EM321 /	IHI Number	IHI Number must be 16 digits.
01675		, and the second
EM330 /	Date of Death/ Accuracy	No date of death has been recorded and a selection has
01400	Ind	been made for Date of Death Accuracy Indicator.
EM331 /	Accuracy Ind/ Date of	The date of death accuracy indicator is required when a date
01401	Death	of death is entered.
EM332 /	Given Name	The given name contains invalid characters. Only alpha and
01418		numeric characters, apostrophes and hyphens are
		acceptable. Spaces must not appear immediately before or
EM337 /	Birth Order	after apostrophes and hyphens.  Birth Order must be selected if Birth Plurality is selected.
01422	Birtir Order	Birth Order mast be selected it birth I talanty is selected.
EM338 /	Telephone Number	Telephone number contains invalid characters. Only
01429	invalid	numeric characters are acceptable.
EM339 /	Telephone Number too	Telephone number contains less than 8 digits.
01430	short	
EM340 /	Mobile Number	Mobile Number contains less than 10 digits.
01431		
EM341 /	Existing Unverified IHI	Existing Unverified IHI record exists with these details.
01458	record exists	Change existing details or enter an address for this record.
EM349 /	Address Purpose	Address purpose can only be set to Residential for
01465	Doctol Dolivery Type	International Addresses.
EM351 / 01506	Postal Delivery Type Code	If Postal Delivery Type Code is Care PO (Care-of-Post Office) or Care PO (Poste Restante), a Postal Delivery
01300	Code	Number is not required and vice versa.
EM352 /	. after @	You must key a "." after the @ symbol as part of the email
01577	. and	address.
EM353 /	no spaces	No Spaces are allowed as part of a valid email address.
01578		·
EM354 /	Fax number characters	Fax number contains invalid characters. Only numeric
01592		characters are acceptable.
EM355 /	Fax number min	Fax number contains less than 8 digits.
01593		
EM356 /	Street Number/Lot	Either street number or lot number required for an Australian
01668 EM357 /	Number Not both Street Number &	address.  Only one of lot number or street number required for an
01669	Lot Number	Australian address not both.
EM358 /	Country is Australia	If the country is Australia, you cannot enter International
01689	Country to Adotratia	Address Line, International State/Province, and International
		Postcode.
EM359 /	Birth Plurality	Birth Plurality must be entered if Birth Order has been
01691	Í	entered
EM360 /	One Address Type for	Only one type (Mailing/Residential or international) of
01692	Unverified	address allowed in the create unverified IHI process.
EM509 /	Verified Update	This is an invalid amendment request via this channel for a
01620		verified IHI record. Only date of death, date or death
		accuracy indicator and source of death notification can be
EM595 /	Date of Death exists	updated for a verified IHI record via the B2B channel.  The Date of Death from Births, Deaths and Marriages
01427	Date of Death exists	already exists for the Record.
EM596 /	Date of Death Accuracy	The Date of Death Accuracy Indicator from Births, Deaths
01428	Indicator exists	and Marriages already exists for the Record.
EM512 /	Source of Death already	The Source of Death Notification from Births, Deaths and
01690	held	Marriages already exists for the IHI Record.
EM592 /	Expired/Retired Update	IHI records with an Expired or Retired Status cannot be
01457	disallowed	updated via this channel.
EM604 /	Not Provisional	The Provisional Record Status does not match the Record
01601	N. Otal	Status found.
EM605 /	No Status Match	The Unverified/Verified Record Status does not match the
01687		Record Status found.

ID	Name	Message
EM606 /	Not Active or Deceased	The record to be processed does not have active or
01688		deceased Status.
EM632 /	Retired Not Allowed	This can not be flagged as a potential duplicate or replica as
01610		it has a "retired' status.
EM633 /	Already Duplicate	The following record(s) contain a potential duplicate flag: <
01502		Number>
EM634 /	Already Replica	The following record(s) contain a potential replica flag: <
01507		Number>
EM637 /	Invalid IHI	The Individual Healthcare Identifier qualifier
01433		<individualhealthcareidentifier> is invalid.</individualhealthcareidentifier>

# 5.3 Information Messages

ID	Name	Message
IM140 /	No Match Found	No Healthcare Individual records have been found
01439		
IM144 /	Matched record flagged	This IHI record is a duplicate IHI record that has been
01611	as duplicate	resolved to IHI number [IHI Number].
IM215 /	Matched record flagged	This IHI record is a provisional IHI record that has been
01612	as provisional resolved to a primary IHI	resolved to IHI number [IHI Number].
IM219 /	Matched record has a	The HI Service matched a record that has a date of death.
01531	date of death	
IM323 /	No Postal Match	The address details cannot be matched to an address in the
00070		Postal Address File.
IM345 /	Successful Provisional IHI	The Provisional IHI has been successfully created.
01466	Creation	
IM346 /	Successful IHI Creation	The IHI record has been successfully created.
01603		
IM591 /	Successful IHI Update	The Record has been successfully updated.
01402		
IM601 /	Successful Provisional IHI	The provisional record has been successfully resolved.
01443	merged	
IM609 /	Successful resolve to	The Provisional IHI record has been successfully resolved
01605	Unverified IHI	and IHI status amended to Unverified.
IM348 /	DoB >100	The date of birth is 100 years or more in the past.
01463		
IM347 /	DoB > 80	The date of birth is 80 years or more in the past.
01464		
IM635 /	Successful Flag -	The records selected have been successfully flagged as
01449	Duplicates	potential duplicates.
IM636 /	Successful Flag -	The records selected have been successfully flagged as
01496	Replicas	potential replicas.

# 6. Glossary

Term	Description
After Presentation	A term used to describe when the patient is present in the health service, ie on or after presentation. This enables health staff to validate Medicare and demographic details directly with the patient.
AS	Australian Standard
B2B	Business to business, a term used to describe the web service based functions implemented in the HI Service.
BDM	Birth, Deaths & Marriages
Before Presentation	A term to describe the period prior to a patient presenting at the health service, in which a referral may be received, an entry created on a waiting list, and an appointment made, with the appropriate notifications. The patient is not readily available to confirm their Medicare number or demographic details, though this can be done via telephone, email, letter, etc.
CCA	A NEHTA group responsible for Compliance, Conformance and Accreditation.
CMS	Community Management System
DOB	Date of Birth
DoH	Victorian Department of Health
DVA	Commonwealth Department of Veterans' Affairs
ED	Emergency Department
EOI	Evidence of Identity
Episode	A single admission to a health service for a particular condition or conditions, or
	A period of care for a particular condition, often covered by a single referral (supporting multiple admissions or attendances).
Fol	Freedom of Information
HI	Healthcare Identifier Service
HIM	Health Information Manager, a specialist in the management of health information, including patient records.
HPI-I	Healthcare Provider Identifier – Individual. A unique number to be assigned to every person involved in healthcare service delivery.
HPI-O	Healthcare Provider Identifier – Organisation, a unique number that will be assigned to all organisations involved in healthcare service delivery
HPOS	Health Professional Online Services, a portal provided by Medicare Australia.
HSD	The Victorian Human Services Directory
Health SMART	The Victorian Department of Health Health SMART program is responsible for managing processes to select, configure and implement applications to reflect state wide requirements (state wide footprint) into participating healthcare agencies. Additionally, the Health SMART program is responsible for establishing and managing the shared ICT infrastructure that is required to support these applications and agencies use of them.
ICT	Information and Communications Technology
ID	Identity or identifier
IEC	International Electrotechnical Commission, an international standards body which focuses on electrical, electronic and related technologies.

Term	Description	
IHI	The Individual Healthcare Identifier, which Medicare Australia allocated to every active Medicare enrolee, on the 1 <sup>st</sup> July 2010.	
IHI Record Status	There are three record statuses of IHIs:	
	• Verified	
	Unverified	
	Provisional	
IHI Status	There are five IHI Statuses of IHIs:	
	Active	
	Deceased	
	Retired	
	Expired	
	Resolved	
IP	Inpatient	
IRN	Individual Reference Number, used on the Medicare card to identify each individual whose name appears on the card.	
ISO	International Standards Organisation	
MSO	Medicare Service Operator	
NASH	The National Authentication Service for Health (NASH) project being delivered through NEHTA will deliver the first nationwide security service to enable healthcare organisations and individuals to exchange e-health information.	
NEHTA	National EHealth Transition Authority	
NOK	Next of Kin	
ОР	Outpatient	
OPD	Outpatient Department	
P&CMS	Patient and Client Management System, also abbreviated to PCMS.	
PAS	Patient Administration System – a system used for the recording of patient and provider information to support management and coordination of service provision. Within Health SMART this functionality is provided by either a consolidated Patient and Client Management System (P&CMS) through the iSOFT iPM application or Community Management System through the Trak application for stand-alone metropolitan community health centres.	
PKI	Public Key Infrastructure	
Referral	A referral is defined within the Australian standard as "the communication with the intention of initiating patient/client care transfer, from the provider making the referral (the originator) to the provider expected to act on the referral (the destination)."	
	In the context of this document a referral is used as a representative health service request or report, and the reader should consider Orders (pathology, diagnostic imaging, etc), discharge summaries, etc.	
SLA	Service Level Agreement, a contractual agreement that defines the required levels of services required from a vendor/supplier. For example, a common SLA may define that the system be available 98% of the time, and 100% of the time during working hours.	
TDS	Trusted Data Source, which refers to Medicare and the Commonwealth Department of Veterans' Affairs in the initial allocation of IHIs within the HI Service.	

Term	Description
	In the context of the IHI Pre-Implementation project, an organisation participating in e-health messaging, who has met the compliance/accreditation criteria, is also referred to as a trusted data source.
UC	Use case, part of the UML standard used to document tasks or business process steps.
UML	Unified Modelling Language. An international standard for documenting the design of an application.
URN	Unit Record Number

# 7. Appendix A – Related Requirements

### 7.1 PAS Requirements

ID	Requirement	Description
PR437	Search on IHI Status and IHI Record	All IHIs within the PAS must be able to be searched by IHI Status and IHI Record Status and include
	Status	these fields in the search results.
PR588	IHI Report	The IHI report must include IHI in its search criteria, and be able to match on IHIs in the patient record
		as well as IHIs in the Primary IHI and Secondary IHI of an IHI Exception.
PR438	IHI Display Requirements	Whenever an IHI is displayed the following fields must accompany it:
		IHI Status
		IHI Record Status
		Last Update/Checked Date
PR617	Trigger Obtain	The System must provide the ability to initiate the Obtain IHI Use Case from a Patient screen.
PR627	Trigger Unverified	The System must provide the ability to initiate the Send Unverified IHI Request Use Case from a Patient
		screen