Health SMART Design Authority

health

IHI Pre-Implementation Project

HI Service Detailed IHI Functional Design



Department of Health

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 initial functional design for the integration of the Individual Health Identifier into the Victorian Health *SMART* P&CMS solution, i.e. iSOFT iPM.

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 Simplified Functional Design
- Vic IHI Integration Business Requirements Specification
- 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 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 Health *SMART* 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.

The Requirements are documented to a high level and comprise the overarching drivers and principles upon which the other functional artefacts elaborate upon.

The Business Processes define an end-to-end process, 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.

The IHI integration design is based upon version 3.02 of the HI Service Specifications developed by Medicare Australia, and referenced above.

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

3. Use Cases

3.1 Use Case List

ID	Name	Page
UC15	Send IHI Request	9
UC16	Send Unverified IHI Request	22
UC14	Send IHI Update Request	35
UC43	Send Merge Request	49
UC44	Send Provisional IHI Request	54
UC45	Send Provisional IHI Update Request	61
UC49	Send Provisional to Unverified Resolution Request	68
UC48	Send Medicare Service Request	80
UC56	Send Duplicate or Replica IHI Notification	84

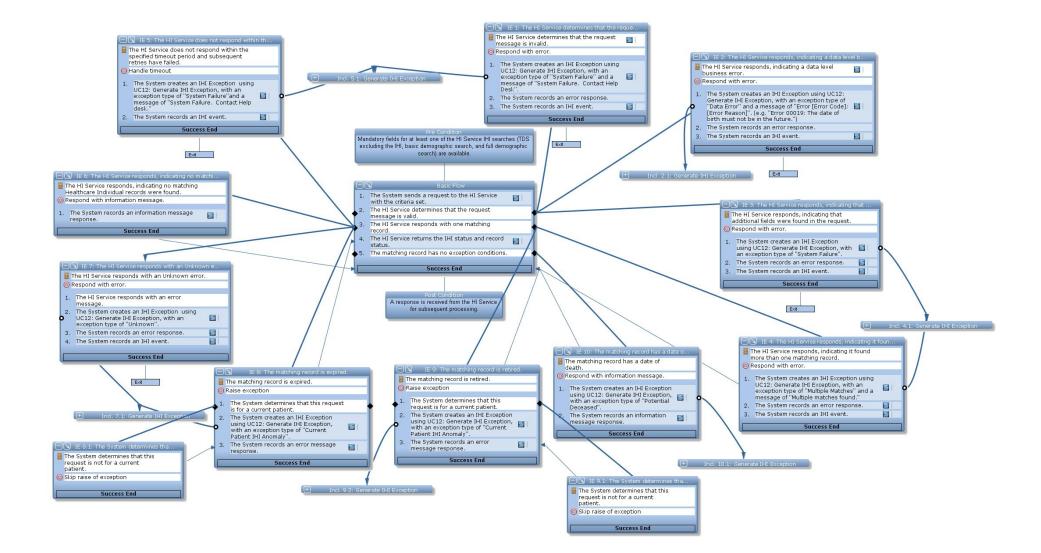
3.2 Actor(s)

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	

3.3 UC15 : Send IHI Request

Actors	The PAS System
Overview	The System prepares and sends an IHI Search request for the HI Service, and awaits the response.
Pre Condition	Mandatory fields for at least one of the HI Service IHI searches (TDS excluding the IHI, basic demographic search, and full demographic search) are available.
Post Condition	A response is received from the HI Service for subsequent processing.
Circumstances of Use	This use case will be used frequently, up to 2000 times per day for a moderately sized health service of 600 beds, with the following being the most common categories:
	1. To obtain an IHI for a patient for the first time (on referral or presentation)
	2. To check an IHI subject to agreed business rules, including:
	IHI received on referral
	IHI received on other communication
	Patient presentation
	Preparation of a discharge summary, or generation of outputs
	 On a scheduled basis to update the status of the IHI, and check for retired or deceased records.
Included In (Other Use Cases)	UC7: Search for IHI
Business Processes	None – see "Included in" Use Case above.



BASIC FLOW:

#	Description	Requirement/
1	The System sends a request to the HI Service with the criteria set.	<u>RU136</u> <u>RU137</u>
2	The HI Service determines that the request message is valid.	

ALTERNATE FLOW(S):

Condition	Link	Return Step
The HI Service determines that the request	<u>IE 1</u>	
message is invalid.		
The HI Service responds, indicating a data level	<u>IE 2</u>	
business error.		
The HI Service responds, indicating that	<u>IE 3</u>	
additional fields were found in the request.		

3 The HI Service responds with one matching record.

ALTERNATE FLOW(S):

Condition	Link	Return Step
The HI Service responds, indicating it found more than one matching record.	<u>IE 4</u>	
The HI Service does not respond within the specified timeout period and subsequent retries have failed.	<u>IE 5</u>	
The HI Service responds, indicating no matching Healthcare Individual records were found.	<u>IE 6</u>	
The HI Service responds with an Unknown error.	<u>IE 7</u>	
The matching record is expired.	<u>IE 8</u>	<u>4</u>
The matching record is retired.	<u>IE 9</u>	

4 The HI Service returns the IHI status and record status. RU223 RU224 RU225 RU226

5 The matching record has no exception conditions.

ALTERNATE FLOW(S):

Condition	Link	Return Step
The matching record has a date of death.	<u>IE 10</u>	

Internal Extension (Alternate Flow) IE 1

Condition:	The HI Service determines that the request message is invalid.
Goal:	Respond with error.
Requirements:	RU151 RU153 RU157 RU160 RU163 RU232 RU233 RU589 RU590 RU171 RU186
	<u>RU183 RU187 RU177 RU180 RU174 RU190 RU191 RU192 RU195 RU196 RU199</u>
	RU202 RU203 RU234 RU237 RU221 RU205 RU209 RU597 RU598 RU599 RU270
	RU271 RU272 RU287 RU288 RU164 RU165 RU167 RU168 RU250 RU251 RU252
	RU254 RU255 RU256 RU258 RU259

#	Description	<u>Requirement/</u> OInclude
1	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help Desk".	EX644 OUC12: Generate IHI Exception

2	The Syst	em records an error response.		
		em records an IHI event.		<u>AL694</u>
Next Step		BF: Basic Flow	EXIT	
Internal Ext	tension (A	Alternate Flow) IE 2		
Condition Goal: Requirem		The HI Service responds, indicating a c Respond with error. RU150 RU158 RU162 RU185 RU182 RU194 RU240 RU198 RU201 RU245 R RU282 RU283 RU284 RU285 RU286 R RU264 RU265 RU266 RU267	<u>RU176</u> RU600	<u>RU238 RU239 RU207 RU173 RU189</u> RU276 RU277 RU279 RU280 RU281
#	Descript	ion		Requirement/
	Generate "Data Eri [Error Re	em creates an IHI Exception using UC1 e IHI Exception, with an exception type of for" and a message of "Error [Error Cod eason]". (e.g. "Error 00019: The date of be in the future.")	<u>of</u> e]:	EX648 OUC12: Generate IHI Exception
		em records an error response.		
3	The Syst	em records an IHI event.		<u>AL695</u>
Next Step):	BF: Basic Flow	EXIT	
Goal: Requirem		The HI Service responds, indicating the Respond with error.		
	Descript			Requirement/ Include
		em creates an IHI Exception using UC1 HI Exception, with an exception type of Failure".		EX644 OUC12: Generate IHI Exception
		em records an error response.		EM312
3	The Syst	em records an IHI event.		<u>AL694</u>
Next Step):	BF: Basic Flow	EXIT	
Condition Goal: Requirem	n: nents:	Alternate Flow) IE 4 The HI Service responds, indicating it f Respond with error.	ound n	nore than one matching record.
	Descript			Requirement/
	Generate "Multiple	em creates an IHI Exception using UC1 HI Exception, with an exception type of Matches" and a message of "Multiple found "		EX649 OUC12: Generate IHI Exception
	matches			
2	The Syst	em records an error response.		EM142
2	The Syst			<u>EM142</u> <u>AL697</u>
2	The Syst The Syst	em records an error response.	SUCO	
2 3 Next Step	The Syst The Syst	em records an error response. em records an IHI event.	SUCC	<u>AL697</u>

#	Description	Requirement/OInclude
1	The System creates an IHI Exception using UC12:	EX644
	Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help desk."	OUC12: Generate IHI Exception
2	The System records an IHI event.	AL696
Next S		
	-	
	Extension (Alternate Flow) IE 6	
Condit Goal:	were found. Respond with information message.	hing Healthcare Individual records
Requir	rements:	
#	Description	<u>Requirement/</u>
1	The System records an information message response.	<u>IM140</u>
Next S	Step: BF: Basic Flow SUC	CESS_END
nternal	Extension (Alternate Flow) IE 7	
Condit Goal: Requir	tion: The HI Service responds with an Unknown e Respond with error. rements:	error.
#	Description	Requirement/OInclude
1	The HI Service responds with an error message.	
1 2	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of	EX653 OUC12: Generate IHI Exception
	The System creates an IHI Exception using UC12:	<u>EX653</u>
2	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Unknown".	EX653 OUC12: Generate IHI Exception
2	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Unknown". The System records an error response. The System records an IHI event.	EX653 OUC12: Generate IHI Exception EM310 AL698
2 3 4 Next S	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Unknown". The System records an error response. The System records an IHI event.	EX653 UC12: Generate IHI Exception EM310 AL698
2 3 4 Next S Internal Condit Goal:	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Unknown". The System records an error response. The System records an IHI event. Step: BF: Basic Flow EXIT Extension (Alternate Flow) IE 8	EX653 OUC12: Generate IHI Exception EM310 AL698
2 3 4 Next S Internal Condit Goal:	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Unknown". The System records an error response. The System records an IHI event. Step: BF: Basic Flow Extension (Alternate Flow) IE 8 tion: The matching record is expired. Raise exception	EX653 UC12: Generate IHI Exception EM310 AL698
2 3 4 Next S Internal Condit Goal: Requir	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Unknown". The System records an error response. The System records an IHI event. Step: BF: Basic Flow Extension (Alternate Flow) IE 8 tion: The matching record is expired. Raise exception rements: Description The System determines that this request is for a	EX653 OUC12: Generate IHI Exception EM310 AL698
2 3 4 Next S Internal Condit Goal: Requir # 1	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Unknown". The System records an error response. The System records an IHI event. Step: BF: Basic Flow Extension (Alternate Flow) IE 8 tion: The matching record is expired. Raise exception rements: Description	EX653 UC12: Generate IHI Exception EM310 AL698
2 3 4 Next S Internal Condit Goal: Requir # 1 ALT	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Unknown". The System records an error response. The System records an IHI event. Step: BF: Basic Flow Extension (Alternate Flow) IE 8 tion: The matching record is expired. Raise exception Raise exception The System determines that this request is for a current patient.	EX653 UC12: Generate IHI Exception EM310 AL698 Requirement/ Include
2 3 4 Next S Internal Condit Goal: Requir # 1 ALT Con The	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Unknown". The System records an error response. The System records an IHI event. Step: BF: Basic Flow Extension (Alternate Flow) IE 8 tion: The matching record is expired. Raise exception Raise exception rements: Description The System determines that this request is for a current patient. The System Coll	EX653 UC12: Generate IHI Exception EM310 AL698
2 3 4 Next S Internal Condit Goal: Requir # 1 ALT Con The	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Unknown". The System records an error response. The System records an IHI event. Step: BF: Basic Flow Extension (Alternate Flow) IE 8 tion: The matching record is expired. Raise exception rements: Description The System determines that this request is for a current patient. ERNATE FLOW(S): ondition I e System determines that this request is not for a rement patient. The System creates an IHI Exception using UC12:	EX653 OUC12: Generate IHI Exception EM310 AL698 Requirement/Olnclude
2 3 4 Next S Internal Condit Goal: Requir # 1 <u>ALT</u> <u>Con</u> The cur	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Unknown". The System records an error response. The System records an error response. The System records an IHI event. Step: BF: Basic Flow Extension (Alternate Flow) IE 8 tion: The matching record is expired. Raise exception rements: Pescription The System determines that this request is for a current patient. rement FLOW(S): e System determines that this request is not for a frrent patient.	EX653 UC12: Generate IHI Exception EM310 AL698 Requirement/ Include

	BF: Basic Flow		eturns the IHI status and
		record status.	
nternal Extension (Alternate Flow) IE 8.1		
Condition: Goal: Requirements:	The System determines that this reque Skip raise of exception	est is not for a curren	t patient.
Next Step:	IE 8: The matching record is expired.	3. The System record response.	ords an error message
nternal Extension (Alternate Flow) IE 9		
Condition: Goal: Requirements:	The matching record is retired. Raise exception		
# Descrip	tion	Requirem	ent/OInclude
1 The Sys current ALTERNATE F		a	
Condition		Link	Return Step
	etermines that this request is not for a	<u>IE 9.1</u>	<u>3</u>
Generat "Current	tem creates an IHI Exception using UC e IHI Exception, with an exception type Patient IHI Anomaly".	of OUC12: 0	Generate IHI Exception
3 The Sys	tem records an error message respons	e. <u>EM214</u>	
Next Step:	BF: Basic Flow	SUCCESS_END	
nternal Extension (Alternate Flow) IE 9.1		
Condition: Goal: Requirements:	The System determines that this reque Skip raise of exception	est is not for a curren	t patient.
Next Step:	IE 9: The matching record is retired.	3. The System record response.	ords an error message
nternal Extension (Alternate Flow) IE 10		
Condition: Goal: Requirements:	The matching record has a date of dea Respond with information message.	ath.	
# Descript	tion	Requiremen	t/OInclude
Generat	tem creates an IHI Exception using UC e IHI Exception, with an exception type al Deceased".	<u>12:</u> EX647	enerate IHI Exception
T Otoritic	tem records an information message	IM219	

IDBusiness RuleError #Error TypeRU136The following details are included in a TDS Search:badlyFormedMsgESB Error

ID	Business Rule	Error #	Error Type
	 Medicare Number or DVA File Number (one is Mandatory) 		
	Family Name (Mandatory)		
	Given Name (Optional)		
	• Sex (Mandatory)		
	Date of Birth (Mandatory)		
	Health Service Reference ID		
	 IRN is optional (and only used with Medicare Number searches) 		
RU137	The following details are included in a non-TDS Search: • Family Name (Mandatory)	badlyFormedMsg	ESB Error
	Given Name (Optional)		
	Sex (Mandatory)		
	Date of Birth (Mandatory)		
	 Address Fields (TBC: Suburb, Postcode, State, Country combination) 		
	Health Service Reference ID		
RU150	The Medicare Card Number must include a valid check digit.	00262	Error
RU151	The Medicare Card Number must be 10 digits.	badlyFormedMsg	ESB Error
RU153	The IRN must be an integer.	badlyFormedMsg	ESB Error
RU157	The DVA File Number must be between 2 and 9 digits in length.	badlyFormedMsg	ESB Error
RU158	The given name may only contain the following character sets:	01418	Error
	• alpha		
	numeric		
	apostrophes		
	hyphens		
	Spaces must not appear immediately before or after apostrophes and hyphens.		
RU160	The maximum field length for a given name is 40.	badlyFormedMsg	ESB Error
RU162	The family name may only contain the following character sets: • alpha	00013	Error
	numeric		
	apostrophes		
	hyphens		
	Spaces must not appear immediately before or after apostrophes and hyphens.		
RU163	The maximum field length for a family name is 40.	badlyFormedMsg	ESB Error
RU232	Name Suffix must be a valid value.	badlyFormedMsg	ESB Error
RU233	Usage must be a single character. Must be a valid value.	badlyFormedMsg	ESB Error
RU589	Conditional Use must be a single character. Must be a valid value.	badlyFormedMsg	ESB Error

ID	Business Rule	Error #	Error Type
RU590	Preferred must be a single character. Must be a valid value.	badlyFormedMsg	ESB Error
RU171	Unit Type must be a valid value.	badlyFormedMsg	ESB Error
RU185	The address site name may only contain the following character sets: alpha numeric apostrophes hyphens Spaces must not appear immediately before or after apostrophes.	01582	Error
RU186	The maximum field length for Address Site Name is 30.	badlyFormedMsg	ESB Error
RU182	The level number may only contain the following character sets:	01583	Error
RU183	The maximum field length for level number is 4.	badlyFormedMsg	ESB Error
RU187	Level Type must be a valid value.	badlyFormedMsg	ESB Error
RU176	The street number may only contain the following character sets:	01584	Error
RU177	The maximum field length for street number is 12.	badlyFormedMsg	ESB Error
RU238	Either Street Number of Lot Number are required for an Australian Address.	01669	Error
RU239	Only one of Lot Number and Street Number is permitted, not both.	01668	Error
RU180	The maximum field length for lot number is 15.	badlyFormedMsg	ESB Error
RU207	Suburb, State and Postcode must be valid combinations for an Australian Address.	00098	Error
RU173	The unit number may only contain the following character sets:	01581	Error

ID	Business Rule	Error #	Error Type
	hyphens		
	Spaces must not appear immediately before or after		
RU174	apostrophes and hyphens. The maximum field length for unit number is 6.	badlyFormedMsg	ESB Error
110174	The maximum field length for unit humber is 0.	badiyi olmedinisg	
RU189	The Street Name may only contain the following character	01586	Error
	sets:		
	alpha		
	numeric		
	apostrophes		
	hyphens Space must be appear immediately before or ofter		
	Spaces must not appear immediately before or after apostrophes and hyphens.		
RU190	The maximum field length for street name is 30.	badlyFormedMsg	ESB Error
RU191	Street Type must be a valid value.	badlyFormedMsg	ESB Error
RU192	Street Suffix must be a valid value.	badlyFormedMsg	ESB Error
RU194	The Suburb may only contain the following character sets: alpha 	00081 & 01587	Error
	apostrophes		
	hyphens		
	Spaces must not appear immediately before or after apostrophes and hyphens.		
RU195	The maximum field length for street name is 30.	badlyFormedMsg	ESB Error
RU196	Postal Delivery Type must be a valid value.	badlyFormedMsg	ESB Error
RU240	If Postal Delivery Type Code is Care PO (Care-of-Post Office) or Care PO (Poste Restante), a Postal Delivery Number is not required and vice versa Suburb for an Australian Address.	01506	Error
RU198	The Postal Delivery number may only contain the following character sets:	01588	Error
	• alpha		
	• numeric		
	apostrophes		
	hyphens		
	Spaces must not appear immediately before or after apostrophes and hyphens.		
RU199	The maximum field length for Postal Delivery number is 11.	badlyFormedMsg	ESB Error
RU201	The Postcode may only contain the numeric characters. For an Australian Address, there must be 4 numeric characters.	00083	Error
RU202	The maximum field length for postcode is 4.	badlyFormedMsg	ESB Error
RU203	State must be a valid value.	badlyFormedMsg	ESB Error
RU234	Address Purpose is required if an Address is present. Must be a valid code.	badlyFormedMsg	ESB Error
RU245	Address purpose can only be set to Residential for International Addresses.	01465	Error

ID	Business Rule	Error #	Error Type
RU237	Preferred Address Indicator is required if an Address is present. Must be a valid code.	badlyFormedMsg	ESB Error
RU221	Street Name, Suburb, Postcode and State are mandatory for an Australian Address.	badlyFormedMsg	ESB Error
RU600	If the country is Australia, the following fields should not be provided: International Address Line, International State/Province, and International Postcode.	01689	Error
RU205	Country must be a valid code.	badlyFormedMsg	ESB Error
RU209	All International Address fields are required for an International Address.	badlyFormedMsg	ESB Error
RU597	The maximum field length for International Address Line is 80.	badlyFormedMsg	ESB Error
RU598	The maximum field length for International Address State/Province is 40.	badlyFormedMsg	ESB Error
RU599	The maximum field length for International Address Postcode is 10.	badlyFormedMsg	ESB Error
RU270	Electronic Communication Medium must be a valid code.	tronic Communication Medium must be a valid code. badlyFormedMsg	
RU271	Electronic Communication Code must be a valid code.	lid code. badlyFormedMsg	
RU272	The maximum field length for Electronic Communication Detail is 250.	ronic Communication badlyFormedMsg	
RU287	If an Electronic Communication Entity is present, Electronic Communication Medium, Electronic Communication Usage Code and Electronic Communication Details must be entered.	badlyFormedMsg	ESB Error
RU288	If one of Electronic Communication Medium, Electronic badlyFormedMsg Communication Usage code or Electronic Communication badlyFormedMsg Details are added then all fields must be entered. badlyFormedMsg		ESB Error
RU276	Where medium is 'Telephone', the detail must be in valid format. No less than 8 digits.	01430	Error
RU277	Where medium is 'Telephone', the detail must be numeric.	01429	Error
RU279	Where medium is 'Fax', the detail must be in valid format. No less than 8 digits.	01593	Error
RU280	Where medium is 'Fax', the detail must be numeric.	01592	Error
RU281	Where medium is 'Mobile', the detail must be in valid format. No less than 10 digits.	01431	Error
RU282	When Medium is 'Mobile', only alpha and numeric characters are acceptable.	00086	Error
RU283	Where medium is 'Email', the email address must include the @ symbol.	00088	Error
RU284	Where medium is 'Email', the email address must have	00089	Error

ID	Business Rule	Error #	Error Type
	alpha/numeric characters immediately before or after the @ symbol. Spaces must not immediately precede or follow the @ symbol.		
RU285	Where medium is 'Email', there must be a "." after the @ symbol as part of the email address.	01577	Error
RU286	Where medium is 'Email', no spaces are allowed as part of a valid email address.	01578	Error
RU164	The valid values for sex are • M (Male) • F (Female)	badlyFormedMsg	ESB Error
	 I (Intersex or Indeterminate) N (Not stated/inadequately described) 		
RU165	Date of Birth must be eight digits in length, in YYYYMMDD format.	badlyFormedMsg	ESB Error
RU167	Date of Birth must only contain numeric characters.	badlyFormedMsg	ESB Error
RU168	Date of Birth must be a valid calendar date.	badlyFormedMsg	ESB Error
RU169	Year of Birth must be greater or equal to 1800.	00018	Error
RU170	Date of Birth must not be in the future.	00019	Error
RU250	Birth Plurality must be a valid code. 9 to be used if not stated.	badlyFormedMsg	ESB Error
RU251	Birth Order must be a valid code. 9 to be used if not stated.	badlyFormedMsg	ESB Error
RU252	Date of Birth Accuracy Indicator must be a valid code.	badlyFormedMsg	ESB Error
RU261	Birth Order is mandatory if Birth Plurality > 1.	01422	Error
RU262	Birth Plurality is mandatory if Birth Order has been provided.	01691	Error
RU254	Date of Death must be eight digits in length.	badlyFormedMsg	ESB Error
RU255	Date of Death must only contain numeric characters.	badlyFormedMsg	ESB Error
RU256	Date of Death must be a valid calendar date.	badlyFormedMsg	ESB Error
RU257	Date of Death must not be in the future.	00267	Error
RU258	Date of Birth Accuracy Indicator must be a valid code.	badlyFormedMsg	ESB Error
RU259	Source of Death Notification must be a valid code. "H" = Health Care Provider.	badlyFormedMsg	ESB Error
RU263	Date of Death must not be before Date of Birth.	00275	Error
RU264	Date of Death is mandatory when a Death Notification Source has been provided.	00370	Error
RU265	Death Notification Source is mandatory when a Date of Death has been provided.	00371	Error

ID	Business Rule	Error #	Error Type
RU266	Date of Death is mandatory when a Death Accuracy Indicator has been provided.	01400	Error
RU267	Death Accuracy Indicator is mandatory when a Date of Death has been provided.	01401	Error
RU223	The Medicare Card IHI Search Response contains the following: IHI Number IHI Record Status IHI Status Medicare Card Number IRN Number Given Name 1 (Only when first name is included in search criteria) Family Name	N/A	N/A
	SexDate of BirthDate of Birth Accuracy Indicator		
RU224	The DVA Number IHI Search Response contains the following: IHI Number IHI Record Status IHI Status DVA File Number Given Name 1 (Only when first name criteria) Family Name Sex Date of Birth Date of Birth Accuracy Indicator	N/A	N/A
RU225	The Non-TDS (Demographic) IHI Search Response contains the following: IHI Number IHI Record Status IHI Status Given Name 1 (Only when first name criteria) Family Name Sex Date of Birth Date of Birth Accuracy Indicator	N/A	N/A
RU226	Additionally, the following fields are included in a response where a date of death exists: Date of Death Date of Death Accuracy Indicator	N/A	N/A

INFORMATION MESSAGES:

ID	Message
IM140 /	No Healthcare Individual records have been found

ID	Message
01439	
IM219 / 01531	The HI Service matched a record that has a date of death.

ERROR MESSAGES:

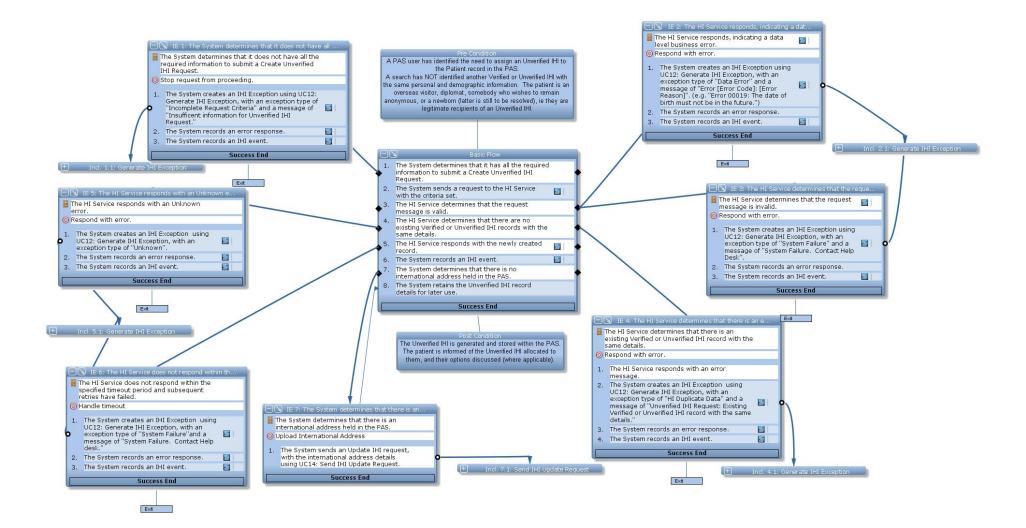
ID	Message
EM310 / 01474	Please contact Help Desk to resolve the unknown error.
EM142 / 01527	Multiple matches found. Please refine the search criteria.
EM312 / 01528	Multiple search criteria keyed. Please refine the search criteria.
EM143 / 01613	This IHI record has an 'Expired' IHI status and can not be retrieved via this channel.
EM214 / 01614	This IHI record has a 'Retired" IHI status and can not be retrieved via this channel.

AUDIT LOG:

ID	Name	Description
AL694	Send IHI Request Event - Invalid Request	Audit Log details captured are as follows:
	Message	Date/Time
		User ID
		 Event Type = "Send IHI Request"
		 Event Status = "Failed"
		 Event Message = "Invalid request message"
AL695	Send IHI Request Event - Data Error	Audit Log details captured are as follows:
		Date/Time
		User ID
		 Event Type = "Send IHI Request"
		 Event Status = "Failed"
		Event Message = "Error [Error Code]: [Error
		Reason]". (e.g. "Error 00019: The date of
		birth must not be in the future.")
AL696	Send IHI Request Event - Timeout	Audit Log details captured are as follows:
		Date/Time
		User ID
		 Event Type = "Send IHI Request"
		Event Status = "Aborted"
		• Event Message = "The HI Service is offline."
AL697	Send IHI Request Event - Multiple Matches	Audit Log details captured are as follows:
		Date/Time
		User ID
		• Event Type = "Send IHI Request"
		• Event Status = "Failed"
AL 000		Event Message = "Multiple Matches found."
AL698	Send IHI Request Event - Unknown Error	Audit Log details captured are as follows:
		Date/Time
		User ID Send II II Deguart
		Event Type = "Send IHI Request" Event Status = "Failed"
		Event Status = "Failed" Event Massage
		 Event Message = "Unknown Error"

3.4 UC16 : Send Unverified IHI Request

Actors	The PAS System		
Overview	Enables the creation of an Unverified IHI, with the supporting record in the HI Service, for a patient. It should be used sparingly and only in specific circumstances as defined below.		
	Note that Victorian Health <i>SMART</i> health services cannot currently make use of this function as current systems do not support address data in the required format.		
Pre Condition	A PAS user has identified the need to assign an Unverified IHI to the Patient record in the PAS.		
	A search has NOT identified another Verified or Unverified IHI with the same personal and demographic information. The patient is an overseas visitor, diplomat, somebody who wishes to remain anonymous, or a newborn (latter is still to be resolved), ie they are legitimate recipients of an Unverified IHI.		
Post Condition	The Unverified IHI is generated and stored within the PAS.		
	The patient is informed of the Unverified IHI allocated to them, and their options discussed (where applicable).		
Circumstances of Use	 Creation of a record for a newborn, to support a transfer to another health service remains under discussion). 		
	 Allocation of an IHI to an ED record to support a transfer to another facility where a verified IHI has not been retrieved. 		
	 For patients who wish to remain anonymous or do not wish to register with Medicare. 		
	4. For foreign tourists, diplomats, etc.		
Included In (Other Use Cases)	UC36: Add Exception Resolution		
Business Processes	None – see "Included in" Use Case above.		



BASIC FLOW:

E	Description		Requirement/	
			Include	
1	The System determines that it has all the required information to submit a Create Unverified IHI Request.			
	ALTERNATE FLOW(S):			
	Condition	Link	Return Step	
	The System determines that it does not have all the required information to submit a Create Unverified IHI Request.	<u>IE 1</u>		
	The System sends a request to the HI Service with the	ne criteria set.	<u>RU228</u>	
	The HI Service determines that the request message	e is valid.		
	ALTERNATE FLOW(S):			
	Condition	Link	Return Step	
	The HI Service responds, indicating a data level business error.	<u>IE 2</u>		
	The HI Service determines that the request message is invalid.	<u>IE 3</u>		
	The HI Service determines that there are no existing Unverified IHI records with the same details.	Verified or		
	ALTERNATE FLOW(S):			
	Condition	Link	Return Step	
	The HI Service determines that there is an existing Verified or Unverified IHI record with the same details.	<u>IE 4</u>		
	The HI Service responds with an Unknown error.	<u>IE 5</u>		
	The HI Service responds with the newly created record.		<u>RU268 IM346</u>	
	ALTERNATE FLOW(S):			
	Condition	Link	Return Step	
	The HI Service does not respond within the specified timeout period and subsequent retries have failed.	<u>IE 6</u>		
	The System records an IHI event.		AL726	
	The System determines that there is no international the PAS.	address held in		
	ALTERNATE FLOW(S):			
	Condition	Link	Return Step	
	The System determines that there is an international address held in the PAS.	<u>IE 7</u>	<u>8</u>	
		for later use.		

Internal Extension (Alternate Flow) IE 1

Condition:	The System determines that it does not have all the required information to submit a Create Unverified IHI Request.
Goal:	Stop request from proceeding.

Requirements:

#	Description	<u>Requirement/</u> OInclude
1	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Incomplete Request Criteria" and a message of "Insufficient information for Unverified IHI Request."	EX641 OUC12: Generate IHI Exception
2	The System records an error response. The System records an IHI event.	<u>EM135</u> AL700

EXIT

EXIT

Next Step:	BF: Basic Flow

Internal Extension (Alternate Flow) IE 2

Condition:	The HI Service responds, indicating a data level business error.
Goal:	Respond with error.
Requirements:	RU158 RU162 RU232 RU233 RU171 RU185 RU182 RU177 RU176 RU238 RU239 RU179 RU207 RU173 RU189 RU194 RU240 RU198 RU201 RU245 RU247 RU237 RU205 RU276 RU277 RU279 RU280 RU281 RU282 RU283 RU284 RU285 RU286 RU169 RU170 RU250 RU251 RU261 RU262 RU257 RU263 RU264 RU265 RU266 RU267 RU267 RU260 RU267 RU263 RU264 RU265 RU266

#	Description	Requirement/
1	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Data Error" and a message of "Error [Error Code]: [Error Reason]". (e.g. "Error 00019: The date of birth must not be in the future.")	EX648 OUC12: Generate IHI Exception
2	The System records an error response.	
3	The System records an IHI event.	AL702

Next Step: BF: Basic Flow

Internal Extension (Alternate Flow) IE 3

Condition: Goal:	The HI Service determines that the request message is invalid. Respond with error.		
Requirements:	RU160 RU163 RU232 RU233 RU589 RU590 RU171 RU186 RU183 RU187 RU177 RU180 RU174 RU190 RU191 RU192 RU195 RU196 RU199 RU202 RU203 RU234		
	RU221 RU205 RU597 RU598 RU599 RU270 RU271 RU272 RU287 RU288 RU164 RU165 RU167 RU168 RU250 RU251 RU252 RU254 RU255 RU256 RU258 RU259		

#	Description	Requirement/OInclude
1	The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failu Contact Help Desk".	OUC12: Generate IHI Exception
2	The System records an error response.	
3	The System records an IHI event.	<u>AL701</u>
Next Ste	p: BF: Basic Flow B	EXIT

Internal Extension (Alternate Flow) IE 4

Condition:	The HI Service determines that there is an existing Verified or Unverified IHI record with the same details.
Goal: Requirements:	Respond with error.

#	Descript	ion	Requirement/
1	The HI S	ervice responds with an error message.	
2	<u>The Syst</u> <u>Generate</u> <u>"HI Dupli</u> IHI Requ	em creates an IHI Exception using UC12: HI Exception, with an exception type of cate Data" and a message of "Unverified est: Existing Verified or Unverified IHI ith the same details."	EX652 OUC12: Generate IHI Exception
3	The Syst	em records an error response.	<u>EM341</u>
4	The Syst	em records an IHI event.	<u>AL704</u>
Next S	Step:	BF: Basic Flow E	ХІТ
Condi Goal:		Alternate Flow) IE 5 The HI Service responds with an Unknow Respond with error.	n error.
#	Descript	ion	Requirement/
1		em creates an IHI Exception using UC12: HI Exception, with an exception type of m.	EX653 OUC12: Generate IHI Exception
2	The Syst	em records an error response.	<u>EM310</u>
3		em records an IHI event.	AL705
Next S			XIT
Next S Internal Condi Goal:	Extension (A	BF: Basic Flow E: Alternate Flow) IE 6 The HI Service does not respond within the subsequent retries have failed. Handle timeout	
Next S Internal Condi Goal:	Extension (A	Alternate Flow) IE 6 The HI Service does not respond within th subsequent retries have failed. Handle timeout	
Next S Internal Condit Goal: Requir	Extension (/ ition: rements: Descript <u>The System</u> <u>Contact</u>	Alternate Flow) IE 6 The HI Service does not respond within the subsequent retries have failed. Handle timeout ion rem creates an IHI Exception using UC12: a IHI Exception, with an exception type of Failure" and a message of "System Failure Help desk."	Requirement/ Include
Next S nternal Condi Goal: Requir # 1	Extension (/ ition: rements: Descript <u>The System</u> <u>Contact</u> The System	Alternate Flow) IE 6 The HI Service does not respond within the subsequent retries have failed. Handle timeout ion em creates an IHI Exception using UC12: a IHI Exception, with an exception type of Failure" and a message of "System Failure Help desk." em records an error response.	Requirement/ Include EX644 UC12: Generate IHI Exception EM145
Next S Internal Condit Goal: Requir # 1	Extension (A ition: rements: Descript <u>The System</u> <u>Contact</u> The Syst The Syst	Alternate Flow) IE 6 The HI Service does not respond within the subsequent retries have failed. Handle timeout ion eem creates an IHI Exception using UC12: a IHI Exception, with an exception type of Failure" and a message of "System Failure Help desk." eem records an error response. eem records an IHI event.	Requirement/ Include EX644 UC12: Generate IHI Exception
Next S Internal Condir Goal: Requir # 1 1 2 3 Next S Internal Condir Goal:	Extension (/ ition: rements: Descript The Syst Generate "System Contact The Syst The Syst Step: Extension (/	Alternate Flow) IE 6 The HI Service does not respond within the subsequent retries have failed. Handle timeout ion eem creates an IHI Exception using UC12: a IHI Exception, with an exception type of Failure" and a message of "System Failure Help desk." eem records an error response. eem records an IHI event.	Requirement/ Include EX644 UC12: Generate IHI Exception EM145 AL703 XIT
Next S Internal Condir Goal: Requir # 1 1 2 3 Next S Internal Condir Goal:	Extension (/ ition: rements: Descript The Syst Generate "System Contact I The Syst The Syst Step: Extension (/ ition:	Alternate Flow) IE 6 The HI Service does not respond within the subsequent retries have failed. Handle timeout ion tem creates an IHI Exception using UC12: a IHI Exception, with an exception type of Failure" and a message of "System Failure Help desk." tem records an error response. tem records an IHI event. BF: Basic Flow E: Alternate Flow) IE 7 The System determines that there is an in Upload International Address	Requirement/ Include EX644 OUC12: Generate IHI Exception EM145 AL703 XIT
Next S Internal Condit Goal: Requin # 1 2 3 Next S Internal Condit Goal: Requin	Extension (/ ition: rements: Descript The System Contact I The System Contact I The System Step: Extension (/ ition: rements: Descript The System	Alternate Flow) IE 6 The HI Service does not respond within the subsequent retries have failed. Handle timeout ion eem creates an IHI Exception using UC12: a IHI Exception, with an exception type of Failure" and a message of "System Failure Help desk." eem records an error response. eem records an IHI event. BF: Basic Flow E: Alternate Flow) IE 7 The System determines that there is an in Upload International Address ion eem sends an Update IHI request, with the onal address details using UC14: Send IHI	Requirement/ Include EX644 UC12: Generate IHI Exception EM145 AL703 XIT

BUSINESS RULES:

ID	Business Rule	Error #	Error Type
RU228	The following details are included in an Unverified IHI	badlyFormedMsg	ESB Error
	Request:		
	Health Service Reference ID		
	Individual Healthcare Identification Entity		
	Sex (Mandatory)		
	Date of Birth (Mandatory)		
	Date of Birth Accuracy Indicator (Mandatory)		
	Birth Plurality (Conditional)		
	Birth Order (Conditional)		
	Date of Death (Optional)		
	Date of Death Accuracy Indicator (Conditional)		
	Source of Death Notification (Conditional)		
	Name Entity (more than one may be provided)		
	Name Title (Optional)Family Name (Mandatory)		
	Given Name (Optional, 0 to 2 instances)		
	Name Suffix (Optional)		
	Usage (Mandatory)		
	Conditional Use (Optional)		
	Address Entity, 0 to 2 instances:		
	Australian Street Address (Optional)		
	 State (conditional mandatory) 		
	 Postcode (conditional mandatory) 		
	 Suburb (conditional mandatory) 		
	 Address Site Name (Optional) 		
	• Unit Group (Optional)		
	 Unit Type (conditional mandatory) 		
	 Unit Number (Optional) 		
	• Level Group (Optional)		
	 Level Type (conditional mandatory) Level Number (Optional) 		
	 Level Number (Optional) 		
	 Lot Number (Optional) Street Number (Optional) 		
	 Street Number (Optional) Street Name (conditional mandatory) 		
	 Street Name (conditional mandatory) Street Type (Optional) 		
	 Street Type (Optional) Street Suffix (Optional) 		
	Australian Postal Address (Optional)		
	 State (conditional mandatory) 		
	 Postcode (conditional mandatory) Postcode (conditional mandatory) 		
	 Suburb (conditional mandatory) 		
	 Postal Delivery Group (conditional 		
	mandatory)		
	 Postal Delivery Type 		
	 Postal Delivery Number (conditional 		

ID	Business Rule	Error #	Error Type
	mandatory)International Address (Optional)		
	 International State/Province (conditional mandatory) 		
	 International Address Line (conditional mandatory) 		
	 International Postcode (conditional mandatory) 		
	 Country (conditional mandatory) 		
	Purpose (conditional mandatory)		
	Preferred (conditional mandatory)		
	Electronic Communications Entity (0 to many instances)		
	 Electronic Communication Medium (conditional mandatory) 		
	 Electronic Communication Usage Code (conditional mandatory) 		
	 Electronic Communication Detail (conditional mandatory) 		
	Preferred (optional)		
RU158	The given name may only contain the following character sets: • alpha	01418	Error
	numeric		
	apostrophes		
	hyphens		
	Spaces must not appear immediately before or after apostrophes and hyphens.		
RU160	The maximum field length for a given name is 40.	badlyFormedMsg	ESB Error
RU162	The family name may only contain the following character sets:	00013	Error
	• alpha		
	numeric		
	apostrophes		
	hyphens		
	Spaces must not appear immediately before or after apostrophes and hyphens.		
RU163	The maximum field length for a family name is 40.	badlyFormedMsg	ESB Error
RU232	Name Suffix must be a valid value.	badlyFormedMsg	ESB Error
RU233	Usage must be a single character. Must be a valid value.	badlyFormedMsg	ESB Error
RU589	Conditional Use must be a single character. Must be a valid value.	badlyFormedMsg	ESB Error
RU590	Preferred must be a single character. Must be a valid value.	badlyFormedMsg	ESB Error
RU171	Unit Type must be a valid value.	badlyFormedMsg	ESB Error
RU185	The address site name may only contain the following character sets:	01582	Error

ID	Business Rule	Error #	Error Type
	• alpha		
	numeric		
	apostrophes		
	hyphens		
	Spaces must not appear immediately before or after apostrophes and hyphens.		
RU186	The maximum field length for Address Site Name is 30.	badlyFormedMsg	ESB Error
RU182	The level number may only contain the following character sets:	01583	Error
	• alpha		
	numeric		
	apostrophes		
	hyphens		
	Spaces must not appear immediately before or after apostrophes and hyphens.		
RU183	The maximum field length for level number is 4.	badlyFormedMsg	ESB Error
RU187	Level Type must be a valid value.	badlyFormedMsg	ESB Error
RU176	The street number may only contain the following character sets:	01584	Error
	• alpha		
	numeric		
	apostrophes		
	hyphens		
	Spaces must not appear immediately before or after apostrophes and hyphens.		
RU177	The maximum field length for street number is 12.	badlyFormedMsg	ESB Error
RU238	Either Street Number of Lot Number are required for an Australian Address.	01669	Error
RU239	Only one of Lot Number and Street Number is permitted, not both.	01668	Error
RU179	The lot number may only contain the following character sets: • alpha	01585	Error
	• numeric		
	apostrophes		
	hyphens		
	Spaces must not appear immediately before or after apostrophes and hyphens.		
RU180	The maximum field length for lot number is 15.	badlyFormedMsg	ESB Error
RU207	Suburb, State and Postcode must be valid combinations for an Australian Address.	00098	Error
RU173	The unit number may only contain the following character sets: • alpha	01581	Error

ID	Business Rule	Error #	Error Type
	 numeric apostrophes hyphens Spaces must not appear immediately before or after apostrophes and hyphens.		
RU174	The maximum field length for unit number is 6.	badlyFormedMsg	ESB Error
RU189	The Street Name may only contain the following character sets:	01586	Error
RU190	The maximum field length for street name is 30.	badlyFormedMsg	ESB Error
RU191	Street Type must be a valid value.	badlyFormedMsg	ESB Error
RU192	Street Suffix must be a valid value.	badlyFormedMsg	ESB Error
RU194	 The Suburb may only contain the following character sets: alpha apostrophes hyphens Spaces must not appear immediately before or after apostrophes and hyphens. 	00081 & 01587	Error
RU195	The maximum field length for street name is 30.	badlyFormedMsg	ESB Error
RU196	Postal Delivery Type must be a valid value.	badlyFormedMsg	ESB Error
RU240	If Postal Delivery Type Code is Care PO (Care-of-Post Office) or Care PO (Poste Restante), a Postal Delivery Number is not required and vice versa Suburb for an Australian Address.	01506	Error
RU198	The Postal Delivery number may only contain the following character sets: alpha numeric apostrophes hyphens Spaces must not appear immediately before or after apostrophes and hyphens.	01588	Error
RU199	The maximum field length for Postal Delivery number is 11.	badlyFormedMsg	ESB Error
RU201	The Postcode may only contain the numeric characters. For an Australian Address, there must be 4 numeric characters.	00083	Error
RU202	The maximum field length for postcode is 4.	badlyFormedMsg	ESB Error
RU203	State must be a valid value.	badlyFormedMsg	ESB Error

ID	Business Rule	Error #	Error Type
RU234	Address Purpose is required if an Address is present. Must be badlyFormedMsg a valid code.		ESB Error
RU245	Address purpose can only be set to Residential for01465International Addresses.		Error
RU247	Only one type (Mailing/Residential or international) of address 01692 allowed in the create unverified IHI process.		Error
RU237	Preferred Address Indicator is required if an Address is present. Must be a valid code.	badlyFormedMsg	ESB Error
RU221	Street Name, Suburb, Postcode and State are mandatory for an Australian Address. badlyFormedMsg		ESB Error
RU205	Country must be a valid code.	badlyFormedMsg	ESB Error
RU597	The maximum field length for International Address Line is 80.	badlyFormedMsg	ESB Error
RU598	The maximum field length for International Address State/Province is 40.	badlyFormedMsg	ESB Error
RU599	The maximum field length for International Address Postcode is 10.	badlyFormedMsg	ESB Error
RU270	Electronic Communication Medium must be a valid code.	badlyFormedMsg	ESB Error
RU271	Electronic Communication Code must be a valid code.	badlyFormedMsg	ESB Error
RU272	The maximum field length for Electronic Communication Detail is 250.	badlyFormedMsg	ESB Error
RU287	If an Electronic Communication Entity is present, Electronic Communication Medium, Electronic Communication Usage Code and Electronic Communication Details must be entered.	badlyFormedMsg	ESB Error
RU288	If one of Electronic Communication Medium, Electronic Communication Usage code or Electronic Communication Details are added then all fields must be entered.	badlyFormedMsg	ESB Error
RU276	Where medium is 'Telephone', the detail must be in valid 01430 format. No less than 8 digits. 01430		Error
RU277	Where medium is 'Telephone', the detail must be numeric.	01429	Error
RU279	Where medium is 'Fax', the detail must be in valid format. No less than 8 digits.	01593	Error
RU280	Where medium is 'Fax', the detail must be numeric.	01592	Error
RU281	Where medium is 'Mobile', the detail must be in valid format. 01431 E No less than 10 digits. E		Error
RU282	When Medium is 'Mobile', only alpha and numeric characters 00086 are acceptable.		Error
RU283	Where medium is 'Email', the email address must include the @ symbol.	00088	Error

ID	Business Rule	Error #	Error Type
RU284	Where medium is 'Email', the email address must have alpha/numeric characters immediately before or after the @ symbol. Spaces must not immediately precede or follow the @ symbol.	00089	Error
RU285	Where medium is 'Email', there must be a "." after the @ symbol as part of the email address.	01577	Error
RU286	Where medium is 'Email', no spaces are allowed as part of a valid email address.	01578	Error
RU164	The valid values for sex are M (Male) F (Female) I (Intersex or Indeterminate) N (Not stated/inadequately described) 	badlyFormedMsg	ESB Error
RU165	Date of Birth must be eight digits in length, in YYYYMMDD format.	badlyFormedMsg	ESB Error
RU167	Date of Birth must only contain numeric characters.	badlyFormedMsg	ESB Error
RU168	Date of Birth must be a valid calendar date.	badlyFormedMsg	ESB Error
RU169	Year of Birth must be greater or equal to 1800.	00018	Error
RU170	Date of Birth must not be in the future.	00019	Error
RU250	Birth Plurality must be a valid code. 9 to be used if not stated.	badlyFormedMsg	ESB Error
RU251	Birth Order must be a valid code. 9 to be used if not stated.	badlyFormedMsg	ESB Error
RU252	Date of Birth Accuracy Indicator must be a valid code.	badlyFormedMsg	ESB Error
RU261	Birth Order is mandatory if Birth Plurality > 1.	01422	Error
RU262	Birth Plurality is mandatory if Birth Order has been provided.	01691	Error
RU254	Date of Death must be eight digits in length.	badlyFormedMsg	ESB Error
RU255	Date of Death must only contain numeric characters.	badlyFormedMsg	ESB Error
RU256	Date of Death must be a valid calendar date.	badlyFormedMsg	ESB Error
RU257	Date of Death must not be in the future.	00267	Error
RU258	Date of Birth Accuracy Indicator must be a valid code.	badlyFormedMsg	ESB Error
RU259	Source of Death Notification must be a valid code. "H" = Health Care Provider.	badlyFormedMsg	ESB Error
RU263	Date of Death must not be before Date of Birth.	00275	Error
RU264	Date of Death is mandatory when a Death Notification Source has been provided.	00370	Error
RU265	Death Notification Source is mandatory when a Date of Death	00371	Error

ID	Business Rule	Error #	Error Type
	has been provided.		
RU266	Date of Death is mandatory when a Death Accuracy Indicator has been provided.	01400	Error
RU267	Death Accuracy Indicator is mandatory when a Date of Death has been provided.	01401	Error
RU268	The Create Unverified IHI Response contains any of the following: IHI Number 		N/A
	 IHI Record Status (value = "Unverified") 		
	 IHI Status (value = "Active") 		
	Successful creation message		
	Error message		
	Information message		
RU292	An unverified IHI record cannot be created with exactly the same details as an existing unverified or verified IHI record.		N/A
RU294	The individual must consent to provide the mandatory demographic details as prescribed for the purpose of creating an Unverified IHI.		N/A
RU295	No evidence of identity (EOI) is required for the creation of an Unverified IHI record.		N/A

DEPENDENCIES:

ID	Description
DP584	Unverified IHI use - If a health service chooses to use Unverified IHIs.

INFORMATION MESSAGES:

ID	Message
IM346 /	The IHI record has been successfully created.
01603	

ERROR MESSAGES:

ID	Message
EM145 / E100	The HI Service is offline.
EM135 / E101	The patient record does not have sufficient information held on it to perform the IHI request.
EM310 / 01474	Please contact Help Desk to resolve the unknown error.
EM341 / 01458	Existing Unverified IHI record exists with these details. Change existing details or enter an address for this record.

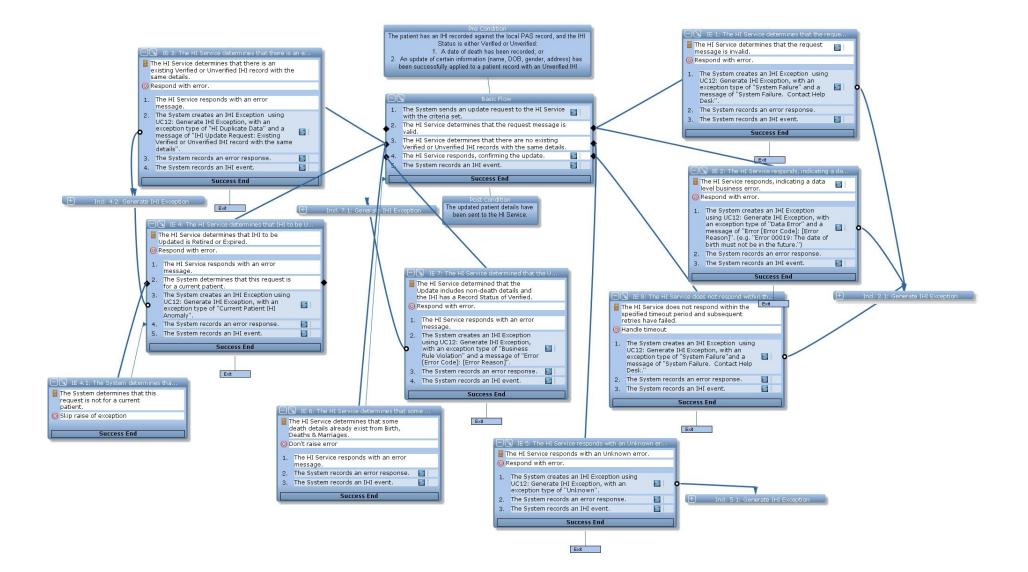
AUDIT LOG:

ID Name Description

ID	Name	Description
AL700	Unverified IHI Request Event - Insufficient	Audit Log details captured are as follows:
	Information	Date/Time
		User ID
		 Event Type = "Unverified IHI Request"
		 Event Status = "Aborted"
		Event Message = "The patient record does
		not have sufficient information held on it to
		perform the IHI request."
AL701	Unverified IHI Request Event - Invalid	Audit Log details captured are as follows:
	Request Message	Date/Time
		User ID
		 Event Type = "Unverified IHI Request"
		 Event Status = "Failed"
		Event Message = "Invalid request message"
AL702	Unverified IHI Request Event - Data Error	Audit Log details captured are as follows:
		Date/Time
		User ID
		 Event Type = "Unverified IHI Request"
		 Event Status = "Failed"
		• Event Message = "Error [Error Code]: [Error
		Reason]". (e.g. "Error 00019: The date of
		birth must not be in the future.")
AL703	Unverified IHI Request Event - Timeout	Audit Log details captured are as follows:
		Date/Time
		User ID
		 Event Type = "Unverified IHI Request"
		 Event Status = "Aborted"
		• Event Message = "The HI Service is offline."
AL705	Unverified IHI Request Event - Unknown	Audit Log details captured are as follows:
	Error	Date/Time
		User ID
		 Event Type = "Unverified IHI Request"
		 Event Status = "Failed"
		 Event Message = "Unknown Error"
AL704	Unverified IHI Request Event - Existing	Audit Log details captured are as follows:
	Unverified or Verified Record	Date/Time
		User ID
		 Event Type = "Unverified IHI Request"
		Event Status = "Failed"
		 Event Message = "Existing Verified or
		Unverified IHI record with the same details."
AL726	Unverified IHI Request Event - Success	Audit Log details captured are as follows:
		Date/Time
		User ID
		 Event Type = "Unverified IHI Request"
		Event Status = "Success"
		• Event Message = "Unverified IHI Request
		Successful."

3.5 UC14 : Send IHI Update Request

Actors	The PAS System
Overview	This use case supports the updating of records in the HI Service, in accordance with the HI Service specifications, and includes the ability to: • update a record with an Unverified IHI, or
	• update a record with a Verified IHI with date of death information only.
	This is a system function that will automatically update the HI Service whenever the local patient record is updated. Note that the NEHTA CCA group has created a compliance item that requires health services to provide patient data updates to the HI Service. Provisional IHI records are updated using UC45: Send Provisional IHI Update Request.
Pre Condition	The patient has an IHI recorded against the local PAS record, and the IHI Status is either Verified or Unverified:
	1. A date of death has been recorded; or
	 An update of certain information (name, DOB, gender, address) has been successfully applied to a patient record with an Unverified IHI
Post Condition	The updated patient details have been sent to the HI Service.
Circumstances	This use case applies when:
of Use	 a date of death is recorded against a local PAS record with certain IHI Record Statuses (Verified and Unverified)
	 a local patient record with an Unverified IHI has name, DOB, gender and/or address information updated.
Included In	UC51: Process Patient Details Update
(Other Use Cases)	UC16: Send Unverified IHI Request
Business Processes	BP4: Patient Death Registration



#	Description	Requirement/
1	The System sends an update request to the HI Service with the criteria set.	<u>RU505</u>

2 The HI Service determines that the request message is valid.

ALTERNATE FLOW(S):

Condition	Link	Return Step
The HI Service determines that the request	<u>IE 1</u>	
message is invalid.		
The HI Service responds, indicating a data level	<u>IE 2</u>	
business error.		

3 The HI Service determines that there are no existing Verified or Unverified IHI records with the same details.

ALTERNATE FLOW(S):

Condition	Link	Return Step
The HI Service determines that there is an	<u>IE 3</u>	
existing Verified or Unverified IHI record with the		
same details.		
The HI Service determines that IHI to be	<u>IE 4</u>	
Updated is Retired or Expired.		
The HI Service responds with an Unknown error.	<u>IE 5</u>	
The HI Service determines that some death	<u>IE 6</u>	
details already exist from Birth, Deaths &		
Marriages.		
-		

4 The HI Service responds, confirming the update.

IM591

<u>AL727</u>

ALTERNATE FLOW(S):

<u>E 7</u>	
<u>E 8</u>	

5 The System records an IHI event.

Internal Extension (Alternate Flow) IE 1

The HI Service determines that the request message is invalid. Respond with error.		
RU153 RU154 RU157 RU160 RU163 RU232 RU233 RU589 RU590 RU171 RU183 RU187 RU177 RU180 RU174 RU190 RU191 RU192 RU195 RU196 RU202 RU203 RU234 RU237 RU221 RU205 RU209 RU597 RU598 RU599 RU271 RU272 RU287 RU288 RU164 RU165 RU167 RU168 RU250 RU251 RU254 RU255 RU256 RU258 RU259 RU259 RU254		

#	Description	<u>Requirement/</u> OInclude
1	The System creates an IHI Exception using UC12:	EX644
	Generate IHI Exception, with an exception type of	

		Failure" and a message of "System Fai Help Desk".	ure. OUC12: Generate IHI Exce	eption
2		tem records an error response.		
3		tem records an IHI event.	AL707	
-	The eye			
Next	Step:	BF: Basic Flow	EXIT	
nterna	al Extension (Alternate Flow) IE 2		
Cond Goal: Requi		The HI Service responds, indicating a constraint of Respond with error. RU146 RU148 RU158 RU162 RU185 RU189 RU194 RU240 RU198 RU201 RU282 RU283 RU284 RU285 RU286 RU264 RU265 RU266 RU267	20182 RU176 RU238 RU239 RU20 20245 RU276 RU277 RU279 RU20	80 RU281
#	Descrip	tion	Requirement/OInclude	
1	<u>Generat</u> "Data Ei [Error R must no	tem creates an IHI Exception using UC1 e IHI Exception, with an exception type or ror" and a message of "Error [Error Cod eason]". (e.g. "Error 00019: The date of t be in the future.")	2: EX648 f OUC12: Generate IHI Exce	eption
2		tem records an error response.		
3	The Sys	tem records an IHI event.	<u>AL708</u>	
Next	Step:			
	-	BF: Basic Flow	EXIT	
nterna Cond	al Extension (lition:	Alternate Flow) IE 3 The HI Service determines that there is with the same details.		HI record
nterna Cond Goal: Requi	al Extension (lition: irements:	Alternate Flow) IE 3 The HI Service determines that there is with the same details. Respond with error.	an existing Verified or Unverified I	HI record
nterna Cond Goal: Requi	al Extension (lition: irements: Descrip	Alternate Flow) IE 3 The HI Service determines that there is with the same details. Respond with error.		HI record
nterna Cond Goal: Requi	al Extension (lition: lirements: Descrip The HI S <u>The Sys</u> <u>Generat</u> "HI Dup <u>Reques</u>	Alternate Flow) IE 3 The HI Service determines that there is with the same details. Respond with error. tion Service responds with an error message tem creates an IHI Exception using UC1 e IHI Exception, with an exception type of icate Data" and a message of "IHI Upda : Existing Verified or Unverified IHI record	an existing Verified or Unverified II Requirement/ Include 2: EX652 f OUC12: Generate IHI Exce	
nterna Cond Goal: Requi #	al Extension (lition: irements: Descrip The HI S <u>The Sys</u> <u>Generat</u> "HI Dup <u>Request</u> with the	Alternate Flow) IE 3 The HI Service determines that there is with the same details. Respond with error. tion Service responds with an error message tem creates an IHI Exception using UC1 e IHI Exception, with an exception type of icate Data" and a message of "IHI Upda :: Existing Verified or Unverified IHI recor- same details".	an existing Verified or Unverified II Requirement/ Include 2: EX652 f OUC12: Generate IHI Exce	
nterna Cond Goal: Requi # 1 2	al Extension (lition: iirements: Descrip The HI S <u>The Sys</u> <u>Generat</u> "HI Dup <u>Request</u> with the The Sys	Alternate Flow) IE 3 The HI Service determines that there is with the same details. Respond with error. tion Service responds with an error message tem creates an IHI Exception using UC1 e IHI Exception, with an exception type of icate Data" and a message of "IHI Upda : Existing Verified or Unverified IHI record	an existing Verified or Unverified II	
nterna Cond Goal: Requ # 1 2 3	al Extension (lition: iirements: Descrip The HI S <u>The Sys</u> <u>Generat</u> "HI Dup <u>Request</u> with the The Sys The Sys	Alternate Flow) IE 3 The HI Service determines that there is with the same details. Respond with error. tion Service responds with an error message tem creates an IHI Exception using UC1 e IHI Exception, with an exception type of icate Data" and a message of "IHI Upda :: Existing Verified or Unverified IHI reconsame details". tem records an error response.	an existing Verified or Unverified II	
Interna Cond Goal: Requi # 1 2 3 4 Next 3 Interna Cond Goal:	al Extension (lition: irements: Descrip The HI S The Sys Generat "HI Dup Request with the The Sys The Sys Step: al Extension (lition:	Alternate Flow) IE 3 The HI Service determines that there is with the same details. Respond with error. tion Service responds with an error message tem creates an IHI Exception using UC1 e IHI Exception, with an exception type of icate Data" and a message of "IHI Upda :: Existing Verified or Unverified IHI reconsame details". tem records an error response. tem records an IHI event.	an existing Verified or Unverified II Requirement/ Include 2: EX652 f OUC12: Generate IHI Exce 2: EM341 AL711 EXIT	
Interna Cond Goal: Requi # 1 2 3 4 Next 3 Interna Cond Goal:	al Extension (lition: irements: Descrip The HI S The Sys Generat "HI Dup Request with the The Sys Step: al Extension (lition:	Alternate Flow) IE 3 The HI Service determines that there is with the same details. Respond with error. tion Service responds with an error message tem creates an IHI Exception using UC1 e IHI Exception, with an exception type of icate Data" and a message of "IHI Upda :: Existing Verified or Unverified IHI recor- same details". tem records an error response. tem records an IHI event. BF: Basic Flow Alternate Flow) IE 4 The HI Service determines that IHI to b Respond with error.	an existing Verified or Unverified II Requirement/ Include 2: EX652 f OUC12: Generate IHI Exce 2 EM341 AL711 EXIT	
nterna Cond Goal: Requi # 1 2 3 4 Next 3 nterna Cond Goal: Requi # 1	al Extension (lition: irements: Descrip The HI S The Sys Generat "HI Dup Request with the The Sys Step: al Extension (lition: irements: Descrip The HI	Alternate Flow) IE 3 The HI Service determines that there is with the same details. Respond with error. tion Service responds with an error message tem creates an IHI Exception using UC1 e IHI Exception, with an exception type of icate Data" and a message of "IHI Upda : Existing Verified or Unverified IHI recon- same details". tem records an error response. tem records an IHI event. BF: Basic Flow Alternate Flow) IE 4 The HI Service determines that IHI to b Respond with error. tion Service responds with an error message	an existing Verified or Unverified II Requirement/ Include 2: EX652 f OUC12: Generate IHI Exce 2: EM341 AL711 EXIT e Updated is Retired or Expired. Requirement/ Include	
Interna Cond Goal: Requi # 1 2 3 4 Next 3 Interna Cond Goal: Requi # 1 2	al Extension (lition: iirements: Descrip The HI S The Sys Generat "HI Dup Request with the The Sys Step: al Extension (lition: iirements: Descrip The HI S The Sys current	Alternate Flow) IE 3 The HI Service determines that there is with the same details. Respond with error. tion Service responds with an error message tem creates an IHI Exception using UC1 e IHI Exception, with an exception type of icate Data" and a message of "IHI Upda :: Existing Verified or Unverified IHI recor- same details". tem records an error response. tem records an error response. tem records an IHI event. BF: Basic Flow Alternate Flow) IE 4 The HI Service determines that IHI to b Respond with error. tion Service responds with an error message stem determines that this request is for a patient.	an existing Verified or Unverified II Requirement/ Include 2: EX652 f OUC12: Generate IHI Exce 2: EM341 AL711 EXIT e Updated is Retired or Expired. Requirement/ Include	
nterna Cond Goal: Requi # 1 2 3 4 Next 3 nterna Cond Goal: Requi # 1 2	al Extension (lition: iirements: Descrip The HI S Generat "HI Dupl Request with the The Sys Step: al Extension (lition: iirements: Descrip The HI S	Alternate Flow) IE 3 The HI Service determines that there is with the same details. Respond with error. tion Service responds with an error message tem creates an IHI Exception using UC1 e IHI Exception, with an exception type of icate Data" and a message of "IHI Upda :: Existing Verified or Unverified IHI recor- same details". tem records an error response. tem records an error response. tem records an IHI event. BF: Basic Flow Alternate Flow) IE 4 The HI Service determines that IHI to b Respond with error. tion Service responds with an error message stem determines that this request is for a patient.	an existing Verified or Unverified II Requirement/ Include 2: EX652 f OUC12: Generate IHI Exce 2: EM341 AL711 EXIT e Updated is Retired or Expired. Requirement/ Include	
nterna Cond Goal: Requi # 1 2 3 4 Next 3 nterna Cond Goal: Requi # 1 2 2 AL	al Extension (lition: iirements: Descrip The HI S The Sys Generat "HI Dup Request with the The Sys Step: al Extension (lition: iirements: Descrip The HI S The Sys current .TERNATE	Alternate Flow) IE 3 The HI Service determines that there is with the same details. Respond with error. tion Service responds with an error message tem creates an IHI Exception using UC1 e IHI Exception, with an exception type of icate Data" and a message of "IHI Upda :: Existing Verified or Unverified IHI recor- same details". tem records an error response. tem records an error response. tem records an IHI event. BF: Basic Flow Alternate Flow) IE 4 The HI Service determines that IHI to b Respond with error. tion Service responds with an error message stem determines that this request is for a patient.	an existing Verified or Unverified II Requirement/ Include 2: EX652 f OUC12: Generate IHI Exce e EM341 AL711 EXIT e Updated is Retired or Expired. Requirement/ Include	

current patient.

ourren		
3	The System creates an IHI Exception using UC1	<u>2:</u> <u>EX657</u>
	Generate IHI Exception, with an exception type	of OUC12: Generate IHI Exception
	"Current Patient IHI Anomaly".	
4	The System records an error response.	<u>EM592</u>
5	The System records an IHI event.	<u>AL712</u>
Next Step	BF: Basic Flow	EXIT
Internal Ext	ension (Alternate Flow) IE 4.1	
Conditior Goal: Requirem	Skip raise of exception	st is not for a current patient.
Next Step	 IE 4: The HI Service determines that IHI to be Updated is Retired or Expired. 	4. The System records an error response.
Internal Ext	ension (Alternate Flow) IE 5	
Condition	: The HI Service responds with an Unknown	own error.

#	Description	<u>Requirement/</u> OInclude
1	The System creates an IHI Exception using UC12:	EX653
	Generate IHI Exception, with an exception type of	OUC12: Generate IHI Exception
	"Unknown".	
2	The System records an error response.	<u>EM310</u>
3	The System records an IHI event.	AL710

Respond with error.

Internal Extension (Alternate Flow) IE 6

Condition:	The HI Service determines that some death details already exist from Birth, Deaths
	& Marriages.
Goal:	Don't raise error
Poquiromonte:	

Requirements:

Goal:

Requirements:

#	Description	Requirement/
1	The HI Service responds with an error message.	
2	The System records an error response.	EM595 EM596 EM512
3	The System records an IHI event.	<u>AL713</u>

Next Step: **BF: Basic Flow** SUCCESS_END

Internal Extension (Alternate Flow) IE 7

Condition: The HI Service determined that the Update includes non-death details and the IHI has a Record Status of Verified. Goal: Respond with error. **Requirements:**

#	Description	Requirement/Onclude
1	The HI Service responds with an error message.	
2	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Business Rule Violation" and a message of "Error [Error Code]: [Error Reason]".	EX654 OUC12: Generate IHI Exception
3	The System records an error response.	<u>EM509</u>

4	The Syst	tem records an IHI event.	<u>AL714</u>
Next Ste	ep:	BF: Basic Flow	EXIT
Internal E	xtension (A	Alternate Flow) IE 8	
Condition:The HI Service does not respond within the specified timeout period and subsequent retries have failed.Goal: Requirements:Handle timeout			
#	Descript	ion	Requirement/Onclude
# 1	The Syst Generate "System	tion tem creates an IHI Exception IHI Exception, with an exc Failure" and a message of Help Desk."	ception type of OUC12: Generate IHI Exception
# 1 2	The System Generate "System Contact	tem creates an IHI Exception a IHI Exception, with an exc Failure" and a message of	Dr. using UC12: EX644 Coeption type of OUC12: Generate IHI Exception "System Failure. OUC12: Generate IHI Exception
1	The System Generate "System Contact The System	tem creates an IHI Exception e IHI Exception, with an exc Failure" and a message of Help Desk."	Dr. using UC12: EX644 Coeption type of OUC12: Generate IHI Exception "System Failure. OUC12: Generate IHI Exception

BUSINESS RULES:

ID	Business Rule	Error #	Error Type
RU505	The following details are included in an Update IHI Request: • IHI	badlyFormedMsg	N/A
	Health Service Reference ID		
	Individual Healthcare Identification Entity		
	• Sex (Mandatory)		
	Date of Birth (Optional)		
	Date of Birth Accuracy Indicator (Conditional)		
	Birth Plurality (Conditional)		
	Birth Order (Conditional)		
	Date of Death (Conditional)		
	Date of Death Accuracy Indicator (Conditional)		
	Source of Death Notification (Conditional)		
	Name Entity (0 to many instances)		
	Name Title (optional)		
	Family Name (mandatory)		
	Given Name (optional, 0 to 2 instances)		
	Name Suffix (optional)		
	Usage (mandatory)		
	Preferred (mandatory)		
	Conditional Use (Optional)		
	Address Entity, 0 to 2 instances:		
	Australian Street Address (Optional)		
	 State (conditional mandatory) Destends (sanditional mandatory) 		
	 Postcode (conditional mandatory) Suburb (conditional mandatory) 		
	 Address Site Name (Optional) 		

ID	Business Rule	Error #	Error Type
	 Unit Group (Optional) Unit Type (conditional mandatory) Unit Number (Optional) Level Group (Optional) Level Type (conditional mandatory) Level Number (Optional) Lot Number (Optional) Street Number (Optional) Street Name (conditional mandatory) Street Number (Optional) Street Type (Optional) Street Type (Optional) Street Suffix (Optional) Street Suffix (Optional) Street Suffix (Optional) Street Conditional mandatory) Postal Address (Optional) Suburb (conditional mandatory) Postal Delivery Group (conditional mandatory) Postal Delivery Group (conditional mandatory) Postal Delivery Type Postal Delivery Number (conditional mandatory) International Address (Optional) International Address (Optional) International Address Line (conditional mandatory) International Postcode (conditional mandatory) International Postcode (conditional mandatory) International Postcode (conditional mandatory) Purpose (conditional mandatory) Preferred (conditional mandatory) Electronic Communication Sentity (0 to many instances) Electronic Communication Medium (conditional mandatory) Electronic Communication Usage Code (conditional mandatory) Electronic Communication Detail (conditional mandatory) Preferred (optional) Electronic Communication Detail (conditional mandatory)		
RU504	The Update IHI Request can be used in the following circumstances. For an Unverified IHI, all fields can be updated using this request.	01597 & 01620	N/A
	For a Verified IHI, only the following fields can be updated:		
	Date of Death		
	Date of Death Accuracy Indicator		
	Source of Death Notification		
	 Amendments cannot be made to IHI records with an IHI Status of Retired or Expired. 		
RU513	Date of Death details must not exist already for a Date of Death notification message.	01688 & 01690	N/A

ID	Business Rule	Error #	Error Type
RU146	The IHI Number must include a valid check digit.	01514	Error
RU148	The IHI Number must be 16 digits.	01675	Error
RU151	The Medicare Card Number must be 10 digits.	badlyFormedMsg	ESB Error
RU153	The IRN must be an integer.	badlyFormedMsg	ESB Error
RU154	The IRN must be a single digit, between 1 and 9.	badlyFormedMsg	ESB Error
RU157	The DVA File Number must be between 2 and 9 digits in length.	badlyFormedMsg	ESB Error
RU158	The given name may only contain the following character sets: alpha numeric apostrophes hyphens Spaces must not appear immediately before or after apostrophes and hyphens.	01418	Error
RU160	The maximum field length for a given name is 40.	badlyFormedMsg	ESB Error
RU162	The family name may only contain the following character sets:	00013	Error
RU163	The maximum field length for a family name is 40.	badlyFormedMsg	ESB Error
RU232	Name Suffix must be a valid value.	badlyFormedMsg	ESB Error
RU233	Usage must be a single character. Must be a valid value.	badlyFormedMsg	ESB Error
RU589	Conditional Use must be a single character. Must be a valid value.	badlyFormedMsg	ESB Error
RU590	Preferred must be a single character. Must be a valid value.	badlyFormedMsg	ESB Error
RU171	Unit Type must be a valid value.	badlyFormedMsg	ESB Error
RU185	The address site name may only contain the following character sets:	01582	Error
RU186	The maximum field length for Address Site Name is 30.	badlyFormedMsg	ESB Error

ID	Business Rule	Error #	Error Type
RU182	The level number may only contain the following character sets:	01583	Error
	alpha		
	 numeric 		
	apostrophes		
	 hyphens 		
	Spaces must not appear immediately before or after		
	apostrophes and hyphens.		
RU183	The maximum field length for level number is 4.	badlyFormedMsg	ESB Error
RU187	Level Type must be a valid value.	badlyFormedMsg	ESB Error
RU176	The street number may only contain the following character sets:	01584	Error
	• alpha		
	• numeric		
	apostrophes		
	hyphens		
	Spaces must not appear immediately before or after apostrophes and hyphens.		
RU177	The maximum field length for street number is 12.	badlyFormedMsg	ESB Error
RU238	Either Street Number of Lot Number are required for an Australian Address.	01669	Error
RU239	Only one of Lot Number and Street Number is permitted, not both.	01668	Error
RU180	The maximum field length for lot number is 15.	badlyFormedMsg	ESB Error
RU207	Suburb, State and Postcode must be valid combinations for an Australian Address.	00098	Error
RU173	The unit number may only contain the following character sets:	01581	Error
	• alpha		
	• numeric		
	apostrophes		
	hyphens		
	Spaces must not appear immediately before or after apostrophes and hyphens.		
RU174	The maximum field length for unit number is 6.	badlyFormedMsg	ESB Error
RU189	The Street Name may only contain the following character sets:	01586	Error
	• alpha		
	numeric		
	apostrophes		
	hyphens		
	Spaces must not appear immediately before or after apostrophes and hyphens.		

ID	Business Rule	Error #	Error Type
RU190	The maximum field length for street name is 30.	badlyFormedMsg	ESB Error
RU191	Street Type must be a valid value.	badlyFormedMsg	ESB Error
RU192	Street Suffix must be a valid value.	badlyFormedMsg	ESB Error
RU194	The Suburb may only contain the following character sets:	00081 & 01587	Error
	alphaapostrophes		
	 hyphens 		
	Spaces must not appear immediately before or after apostrophes and hyphens.		
RU195	The maximum field length for street name is 30.	badlyFormedMsg	ESB Error
RU196	Postal Delivery Type must be a valid value.	badlyFormedMsg	ESB Error
RU240	If Postal Delivery Type Code is Care PO (Care-of-Post Office) or Care PO (Poste Restante), a Postal Delivery Number is not required and ?vice versa Suburb? for an Australian Address.	01506	Error
RU198	The Postal Delivery number may only contain the following character sets:	01588	Error
	• alpha		
	• numeric		
	apostrophes		
	 hyphens Spaces must not appear immediately before or after apostrophes and hyphens. 		
RU199	The maximum field length for Postal Delivery number is 11.	badlyFormedMsg	ESB Error
RU201	The Postcode may only contain the numeric characters.	00083	Error
	For an Australian Address, there must be 4 numeric characters.		
RU202	The maximum field length for postcode is 4.	badlyFormedMsg	ESB Error
RU203	State must be a valid value.	badlyFormedMsg	ESB Error
RU234	Address Purpose is required if an Address is present. Must be a valid code.	badlyFormedMsg	ESB Error
RU245	Address purpose can only be set to Residential for International Addresses.	01465	Error
RU237	Preferred Address Indicator is required if an Address is present. Must be a valid code.	badlyFormedMsg	ESB Error
RU221	Street Name, Suburb, Postcode and State are mandatory for an Australian Address.	badlyFormedMsg	ESB Error
RU205	Country must be a valid code.	badlyFormedMsg	ESB Error
RU209	All International Address fields are required for an International Address.	badlyFormedMsg	ESB Error
RU597	The maximum field length for International Address Line is 80.	badlyFormedMsg	ESB Error

ID	Business Rule	Error #	Error Type
RU598	The maximum field length for International Address State/Province is 40.	badlyFormedMsg	ESB Error
RU599	The maximum field length for International Address Postcode is 10.	badlyFormedMsg	ESB Error
RU270	Electronic Communication Medium must be a valid code.	badlyFormedMsg	ESB Error
RU271	Electronic Communication Code must be a valid code.	badlyFormedMsg	ESB Error
RU272	The maximum field length for Electronic Communication Detail is 250.	badlyFormedMsg	ESB Error
RU287	If an Electronic Communication Entity is present, Electronic Communication Medium, Electronic Communication Usage Code and Electronic Communication Details must be entered.	badlyFormedMsg	ESB Error
RU288	If one of Electronic Communication Medium, Electronic Communication Usage code or Electronic Communication Details are added then all fields must be entered.	badlyFormedMsg	ESB Error
RU276	Where medium is 'Telephone', the detail must be in valid format. No less than 8 digits.	01430	Error
RU277	Where medium is 'Telephone', the detail must be numeric.	01429	Error
RU279	Where medium is 'Fax', the detail must be in valid format. No less than 8 digits.	01593	Error
RU280	Where medium is 'Fax', the detail must be numeric.	01592	Error
RU281	Where medium is 'Mobile', the detail must be in valid format. No less than 10 digits.	01431	Error
RU282	When Medium is 'Mobile', only alpha and numeric characters are acceptable.	00086	Error
RU283	Where medium is 'Email', the email address must include the @ symbol.	00088	Error
RU284	Where medium is 'Email', the email address must have alpha/numeric characters immediately before or after the @ symbol. Spaces must not immediately precede or follow the @ symbol.	00089	Error
RU285	Where medium is 'Email', there must be a "." after the @ symbol as part of the email address.	01577	Error
RU286	Where medium is 'Email', no spaces are allowed as part of a valid email address.	01578	Error
RU164	 The valid values for sex are M (Male) F (Female) I (Intersex or Indeterminate) N (Not stated/inadequately described) 	badlyFormedMsg	ESB Error
RU165	Date of Birth must be eight digits in length, in YYYYMMDD	badlyFormedMsg	ESB Error

ID	Business Rule	Error #	Error Type
	format.		
RU167	Date of Birth must only contain numeric characters.	badlyFormedMsg	ESB Error
RU168	Date of Birth must be a valid calendar date.	badlyFormedMsg	ESB Error
RU169	Year of Birth must be greater or equal to 1800.	00018	Error
RU170	Date of Birth must not be in the future.	00019	Error
RU250	Birth Plurality must be a valid code. 9 to be used if not stated.	badlyFormedMsg	ESB Error
RU251	Birth Order must be a valid code. 9 to be used if not stated.	badlyFormedMsg	ESB Error
RU252	Date of Birth Accuracy Indicator must be a valid code.	badlyFormedMsg	ESB Error
RU261	Birth Order is mandatory if Birth Plurality > 1.	01422	Error
RU262	Birth Plurality is mandatory if Birth Order has been provided.	01691	Error
RU254	Date of Death must be eight digits in length.	badlyFormedMsg	ESB Error
RU255	Date of Death must only contain numeric characters.	badlyFormedMsg	ESB Error
RU256	Date of Death must be a valid calendar date.	badlyFormedMsg	ESB Error
RU257	Date of Death must not be in the future.	00267	Error
RU258	Date of Birth Accuracy Indicator must be a valid code.	badlyFormedMsg	ESB Error
RU259	Source of Death Notification must be a valid code. "H" = Health Care Provider.	badlyFormedMsg	ESB Error
RU263	Date of Death must not be before Date of Birth.	00275	Error
RU264	Date of Death is mandatory when a Death Notification Source has been provided.	00370	Error
RU265	Death Notification Source is mandatory when a Date of Death has been provided.	00371	Error
RU266	Date of Death is mandatory when a Death Accuracy Indicator has been provided.	01400	Error
RU267	Death Accuracy Indicator is mandatory when a Date of Death has been provided.	01401	Error

INFORMATION MESSAGES:

ID	Message
IM591 /	The Record has been successfully updated.
01402	

ERROR MESSAGES:

ID	Message
EM145 /	The HI Service is offline.
E100	
EM310 /	Please contact Help Desk to resolve the unknown error.
01474	
EM341 /	Existing Unverified IHI record exists with these details. Change existing details or enter an
01458	address for this record.
EM509 /	This is an invalid amendment request via this channel for a verified IHI record. Only date of
01620	death, date or death accuracy indicator and source of death notification can be updated for
	a verified IHI record via the B2B channel.
EM595 /	The Date of Death from Births, Deaths and Marriages already exists for the Record.
01427	
EM596 /	The Date of Death Accuracy Indicator from Births, Deaths and Marriages already exists for
01428	the Record.
EM512 /	The Source of Death Notification from Births, Deaths and Marriages already exists for the
01690	IHI Record.
EM592 /	IHI records with an Expired or Retired Status cannot be updated via this channel.
01457	

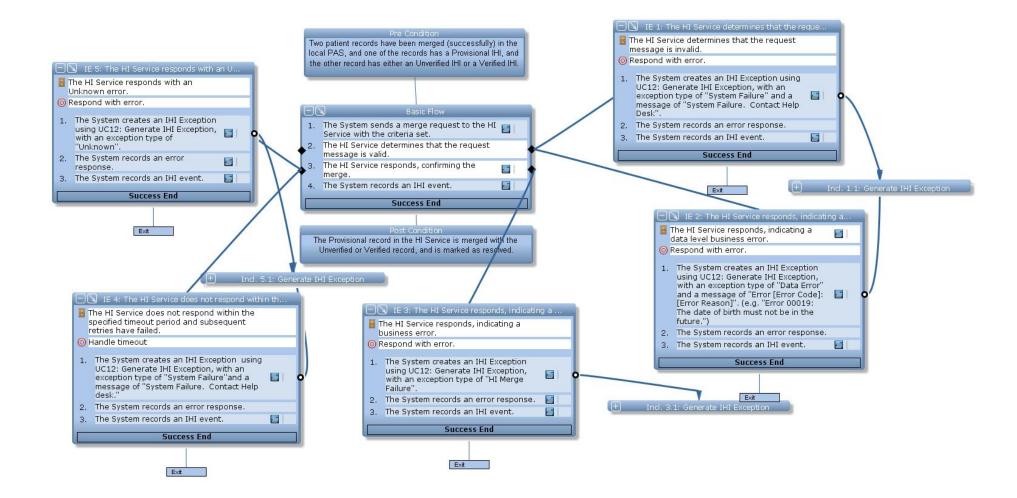
AUDIT LOG:

ID	Name	Description
AL707	Update IHI Request Event - Invalid Request	Audit Log details captured are as follows:
	Message	Date/Time
		User ID
		 Event Type = "Update IHI Request"
		 Event Status = "Failed"
		• Event Message = "Invalid request message"
AL708	Update IHI Request Event - Data Error	Audit Log details captured are as follows:
		Date/Time
		User ID
		 Event Type = "Update IHI Request"
		 Event Status = "Failed"
		Event Message = "Error [Error Code]: [Error
		Reason]". (e.g. "Error 00019: The date of
		birth must not be in the future.")
AL709	Update IHI Request Event - Timeout	Audit Log details captured are as follows:
		Date/Time
		User ID
		 Event Type = "Update IHI Request"
		 Event Status = "Aborted"
		Event Message = "The HI Service is offline."
AL710	Update IHI Request Event - Unknown Error	Audit Log details captured are as follows:
		Date/Time
		User ID
		 Event Type = "Update IHI Request"
		 Event Status = "Failed"
		Event Message = "Unknown Error"
AL711	Update IHI Request Event - Existing	Audit Log details captured are as follows:
	Unverified or Verified Record	Date/Time
		User ID
		• Event Type = "Update IHI Request"
		• Event Status = "Failed"
		Event Message = "Existing Verified or
	Lindete IIII Desuget Except Define 1/E visit	Unverified IHI record with the same details."
AL712	Update IHI Request Event - Retired/Expired	Audit Log details captured are as follows:

ID	Name	Description
	Record	Date/Time
		User ID
		 Event Type = "Update IHI Request"
		 Event Status = "Failed"
		 Event Message = "Current Patient flagged
		as Retired/Expired in HI Service."
AL713	Update IHI Request Event - Existing Death	Audit Log details captured are as follows:
	Details	Date/Time
		User ID
		 Event Type = "Update IHI Request"
		 Event Status = "Failed"
		 Event Message = "Existing Death details."
AL714	Update IHI Request Event - Verified Non-	Audit Log details captured are as follows:
	Death Details	Date/Time
		User ID
		 Event Type = "Update IHI Request"
		 Event Status = "Failed"
		 Event Message = "Non-Death Details may not be updated for a Verified IHI."
AL727	Update IHI Request Event - Success	Audit Log details captured are as follows:
		Date/Time
		User ID
		 Event Type = "Update IHI Request"
		 Event Status = "Success"
		 Event Message = "Update IHI Request Successful."

3.6 UC43 : Send Merge Request

Actors	The PAS System
Overview	This use case automates the merge processing of patient records with Provisional IHIs with patient records with Unverified or Verified IHIs.
	This will only occur as a result of a patient merge in the local PAS.
	This use case relies upon the HI Service function "Resolve Provisional IHI - Merge Records via B2B".
Pre Condition	Two patient records have been merged (successfully) in the local PAS, and one of the records has a Provisional IHI, and the other record has either an Unverified IHI or a Verified IHI.
Post Condition	The Provisional record in the HI Service is merged with the Unverified or Verified record, and is marked as resolved.
Circumstances of Use	This use case applies when a patient has presented, perhaps to ED, and they are not able to be identified so a Quick Registration has been used and (based on health service policy) a Provisional IHI requested and assigned.
	Subsequently, the patient's details are obtained, and an existing record is located within the PAS. The user then uses the PAS' merge function to combine the records, with the anonymous record becoming the secondary.
	On successful completion of the PAS merge, and subject to the primary record having an IHI, the merge request will be sent to the HI Service.
Included In	UC51: Process Patient Details Update
(Other Use Cases)	UC55: Reset Merge
*	UC28: Merge Patient Records
Business Processes	None – see "Included in" Use Cases above.



#	Description	า		Require	ement/
				🕗 Inclu	ıde
1	The System	n sends a merge request to the HI Service	e with the criteria	<u>RU607</u>	
	set.				
2	The HI Serv	vice determines that the request message	e is valid.		
	ALTERNA	TE FLOW(S):			
	Conditio	n	Link		Return Step
	The HI S	ervice determines that the request	<u>IE 1</u>		
		is invalid.			
		ervice responds, indicating a data level	<u>IE 2</u>		
	business	error.			
	T I - 111 O - 1	the second being the discourse of		11.400.4	
3	The HI Serv	vice responds, confirming the merge.		<u>IM601</u>	
		TE FLOW(S):			
	Conditio		Link		Return Step
		ervice responds, indicating a business	<u>IE 3</u>		
	error.	an ice does not respond within the			
		ervice does not respond within the timeout period and subsequent retries	<u>IE 4</u>		
	have faile				
		ervice responds with an Unknown error.	IE 5		
			<u>12 0</u>		
4	The System	n records an IHI event.		AL728	
Intern	al Extension	(Alternate Flow) IE 1			
Con	dition:	The HI Service determines that the req	uest message is ir	walid	
Goa		Respond with error.	ucor message is i	ivanu.	

Requ	Requirements:		
#	Description	<u>Requirement/</u> OInclude	
1	The System creates an IHI Exception using LIC12:	EX644	

1	The System creates an IHI Exception using UC12: EX644 Generate IHI Exception, with an exception type of SUC12: Generate IHI Exception "System Failure" and a message of "System Failure. Contact Help Desk".	
2	The System records an error response.	
3	The System records an IHI event.	<u>AL716</u>
Next S	ep: BF: Basic Flow EXI	Т

Internal Extension (Alternate Flow) IE 2

Condition:	The HI Service responds, indicating a data level business error.
Goal:	Respond with error.
Requirements:	<u>RU146 RU148 RU594</u>

#	Description	Requirement/
1	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Data Error" and a message of "Error [Error Code]: [Error Reason]". (e.g. "Error 00019: The date of birth must not be in the future.")	EX648 OUC12: Generate IHI Exception
2	The System records an error response.	

3	The Syst	tem records an IHI event.		<u>AL717</u>
Next S	tep:	BF: Basic Flow	EXIT	
Internal	Extension (Alternate Flow) IE 3		
Condit			huaina	
Goal:	ion:	The HI Service responds, indicating a Respond with error.	busines	ss error.
Requir	ements:			
#	Descript	ion		Requirement/OInclude
1		tem creates an IHI Exception using UC ²		EX655
		e IHI Exception, with an exception type e Failure".	<u>of</u>	OUC12: Generate IHI Exception
2		tem records an error response.		EM603 EM604 EM605 EM606
3		tem records an IHI event.		AL720
Next S	tep:	BF: Basic Flow	EXIT	
	-			
		Alternate Flow) IE 4		
Condit	ion:	The HI Service does not respond withi subsequent retries have failed.	n the s	pecified timeout period and
Goal:		Handle timeout		
Requir	ements:			
#	Descript	ion		
#	Descript		12 [.]	Requirement/ Include
# 1	The Syst Generate	tem creates an IHI Exception using UC ² e IHI Exception, with an exception type	<u>of</u>	<u>EX644</u>
	The Syst Generate "System	tem creates an IHI Exception using UC ² e IHI Exception, with an exception type Failure" and a message of "System Fa	<u>of</u>	
1	The System Generate "System Contact	tem creates an IHI Exception using UC e IHI Exception, with an exception type Failure" and a message of "System Fai Help desk."	<u>of</u>	<u>EX644</u>
	The Syst Generate "System Contact The Syst	tem creates an IHI Exception using UC e IHI Exception, with an exception type Failure" and a message of "System Fai Help desk." tem records an error response.	<u>of</u>	EX644 OUC12: Generate IHI Exception
1 2 3	The Syst Generate "System Contact The Syst The Syst	tem creates an IHI Exception using UC e IHI Exception, with an exception type Failure" and a message of "System Fai Help desk."	of ilure.	<u>EX644</u>
1	The Syst Generate "System Contact The Syst The Syst	tem creates an IHI Exception using UC e IHI Exception, with an exception type Failure" and a message of "System Fai Help desk." tem records an error response.	<u>of</u>	EX644 OUC12: Generate IHI Exception
1 2 3 Next S	The Syst Generate "System Contact The Syst The Syst	tem creates an IHI Exception using UC ² e IHI Exception, with an exception type Failure" and a message of "System Fai Help desk." tem records an error response. tem records an IHI event.	of ilure.	EX644 OUC12: Generate IHI Exception
1 2 3 Next S	The Syst Generate "System Contact The Syst The Syst tep: Extension (/	tem creates an IHI Exception using UC a IHI Exception, with an exception type Failure" and a message of "System Fai Help desk." tem records an error response. tem records an IHI event. BF: Basic Flow	of ilure. EXIT	EX644 OUC12: Generate IHI Exception
1 2 3 Next S Internal Condit Goal:	The Syst Generate "System Contact The Syst The Syst tep: Extension (<i>i</i> ion:	tem creates an IHI Exception using UC' e IHI Exception, with an exception type Failure" and a message of "System Fai Help desk." tem records an error response. tem records an IHI event. BF: Basic Flow Alternate Flow) IE 5	of ilure. EXIT	EX644 OUC12: Generate IHI Exception
1 2 3 Next S Internal Condit Goal:	The Syst Generate "System Contact The Syst The Syst tep: Extension (/	tem creates an IHI Exception using UC ² Failure" and a message of "System Failure" and a message of the system Failure "System Failure" and a message of the system Failure" and the system Failure" and the system Failure "System Failure" and the system Failure" and the system Failure "System Failure" and the system Failur	of ilure. EXIT	EX644 OUC12: Generate IHI Exception
1 2 3 Next S Internal Condit Goal:	The Syst Generate "System Contact The Syst The Syst tep: Extension (<i>i</i> ion:	tem creates an IHI Exception using UC a IHI Exception, with an exception type Failure" and a message of "System Fail Help desk." tem records an error response. tem records an IHI event. BF: Basic Flow Alternate Flow) IE 5 The HI Service responds with an Unkn Respond with error.	of ilure. EXIT	EX644 OUC12: Generate IHI Exception
1 2 3 Next S Internal Condit Goal: Requir	The Syst Generate "System Contact The Syst The Syst tep: Extension (/ ion: ements: Descript The Syst	tem creates an IHI Exception using UC' Failure" and a message of "System Failure" and the system and the overt. BF: Basic Flow Alternate Flow) IE 5 The HI Service responds with an Unkn Respond with error. ion tem creates an IHI Exception using UC'	of ilure. EXIT hown er	EX644 OUC12: Generate IHI Exception AL718 rror. Requirement/Onclude EX653
1 2 3 Next S Internal Condit Goal: Requir #	The Syst Generate "System Contact The Syst The Syst tep: Extension (<i>i</i> ion: ements: Descript The Syst Generate	tem creates an IHI Exception using UC' a IHI Exception, with an exception type Failure" and a message of "System Failing Help desk." tem records an error response. tem records an IHI event. BF: Basic Flow Alternate Flow) IE 5 The HI Service responds with an Unkn Respond with error. ion tem creates an IHI Exception using UC' a IHI Exception, with an exception type	of ilure. EXIT hown er	EX644 OUC12: Generate IHI Exception AL718 ror. Requirement/Onclude
1 2 3 Next S Internal Condit Goal: Requir #	The Syst Generate "System Contact The Syst The Syst tep: Extension (/ ion: ements: Descript The Syst Generate "Unknow	tem creates an IHI Exception using UC e IHI Exception, with an exception type Failure" and a message of "System Fai Help desk." tem records an error response. tem records an IHI event. BF: Basic Flow Alternate Flow) IE 5 The HI Service responds with an Unkn Respond with error. tem creates an IHI Exception using UC e IHI Exception, with an exception type rn".	of ilure. EXIT hown er	EX644 OUC12: Generate IHI Exception AL718 ror. Requirement/ Include EX653 OUC12: Generate IHI Exception
1 2 3 Next S Internal Goal: Requir # 1	The Syst Generate "System Contact The Syst The Syst tep: Extension (/ ion: ements: Descript The Syst Generate "Unknow The Syst	tem creates an IHI Exception using UC' a IHI Exception, with an exception type Failure" and a message of "System Failing Help desk." tem records an error response. tem records an IHI event. BF: Basic Flow Alternate Flow) IE 5 The HI Service responds with an Unkn Respond with error. ion tem creates an IHI Exception using UC' a IHI Exception, with an exception type	of ilure. EXIT hown er	EX644 OUC12: Generate IHI Exception AL718 rror. Requirement/Onclude EX653
1 2 3 Next S Internal Condit Goal: Requir # 1	The Syst Generate "System Contact The Syst The Syst tep: Extension (<i>i</i> ion: ements: Descript The Syst Generate "Unknow The Syst The Syst	tem creates an IHI Exception using UC' e IHI Exception, with an exception type Failure" and a message of "System Fai Help desk." tem records an error response. tem records an IHI event. BF: Basic Flow Alternate Flow) IE 5 The HI Service responds with an Unkn Respond with error. ion tem creates an IHI Exception using UC' e IHI Exception, with an exception type m".	of ilure. EXIT hown er	EX644 UC12: Generate IHI Exception AL718 ror. Requirement Include EX653 UC12: Generate IHI Exception EX653 UC12: Generate IHI Exception

BUSINESS RULES:

ID	Business Rule	Error #	Error Type
RU607	The following details are included in a Merge Request:	N/A	N/A
	Provisional IHI (Mandatory)		
	Existing (Unverified or Verified) IHI (Mandatory)		

ID	Business Rule	Error #	Error Type
RU146	The IHI Number must include a valid check digit.	01514	Error
RU148	The IHI Number must be 16 digits.	01675	Error
RU594	The value should be as follows: http://ns.electronichealth.net.au/id/hi/ihi/1.0/nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn	badlyFormedMsg	ESB Error

INFORMATION MESSAGES:

ID	Message
IM601 /	The provisional record has been successfully resolved.
01443	

ERROR MESSAGES:

ID	Message
EM603 /	No match has been found.
01500	
EM310 /	Please contact Help Desk to resolve the unknown error.
01474	
EM604 /	The Provisional Record Status does not match the Record Status found.
01601	
EM605 /	The Unverified/Verified Record Status does not match the Record Status found.
01687	
EM606 /	The record to be processed does not have active or deceased Status.
01688	

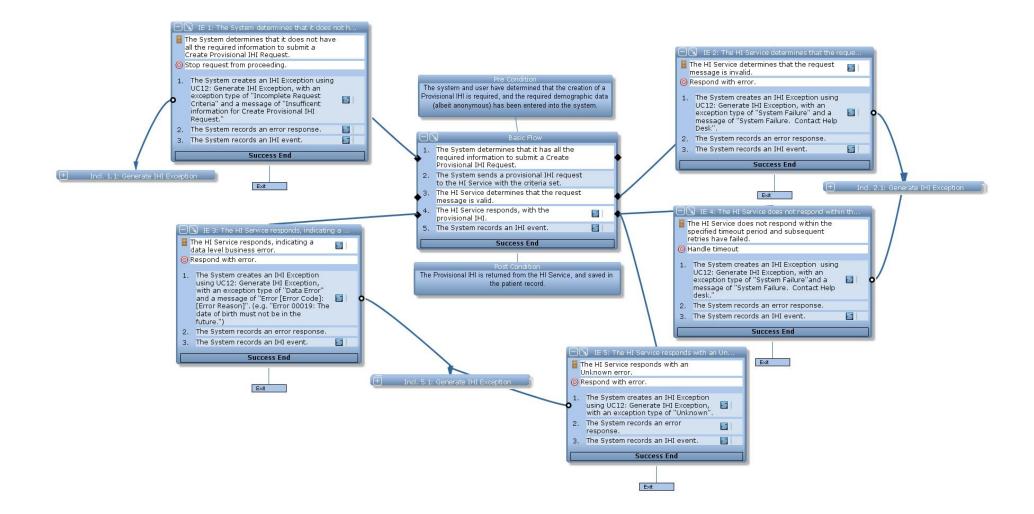
AUDIT LOG:

ID	Name	Description
AL716	Merge Request Event - Invalid Request Message	 Audit Log details captured are as follows: Date/Time User ID Event Type = "Merge Request" Event Status = "Failed" Event Message = "Invalid request message"
AL717	Merge Request Event - Data Error	 Audit Log details captured are as follows: Date/Time User ID Event Type = "Merge Request" Event Status = "Failed" Event Message = "Error [Error Code]: [Error Reason]". (e.g. "Error 00019: The date of birth must not be in the future.")
AL718	Merge Request Event - Timeout	 Audit Log details captured are as follows: Date/Time User ID Event Type = "Merge Request" Event Status = "Aborted" Event Message = "The HI Service is offline."
AL719	Merge Request Event - Unknown Error	Audit Log details captured are as follows: Date/Time User ID

ID	Name	Description
		 Event Type = "Merge Request"
		 Event Status = "Failed"
		 Event Message = "Unknown Error"
AL720	Merge Request Event - Business Error	Audit Log details captured are as follows:
		Date/Time
		User ID
		 Event Type = "Merge Request"
		 Event Status = "Failed"
		 Event Message = "Business Error"
AL728	Merge Request Event - Success	Audit Log details captured are as follows:
		Date/Time
		User ID
		 Event Type = "Merge Request"
		 Event Status = "Success"
		 Event Message = "Merge Request Successful."

3.7 UC44 : Send Provisional IHI Request

Actors	The PAS System
Overview	This use case can only occur in circumstances where the health service has established a policy to enable the use of Provisional IHIs.
	The use case will send anonymous data to the HI Service and request the creation of a Provisional IHI. The HI Service will return the created IHI.
	Note that there is no uniqueness check in the HI Service for Provisional IHI creation requests (based on Name, DOB and gender data), and that Provisional IHIs expire after 90 days of no activity.
Pre Condition	The system and user have determined that the creation of a Provisional IHI is required, and the required demographic data (albeit anonymous) has been entered into the system.
Post Condition	The Provisional IHI is returned from the HI Service, and saved in the patient record.
Circumstances of Use	This use case will apply when the health service has established a policy of requesting Provisional IHIs when patients present and cannot be identified, ie they may be unconscious.
Included In (Other Use Cases)	None
Business Processes	BP2: Unreferred Patient Presentation



#	Description		Requirement/
			Onclude
1	The System determines that it has all the required information submit a Create Provisional IHI Request.	ormation to	
	ALTERNATE FLOW(S):		
	Condition	Link	Return Step
	The System determines that it does not have all the required information to submit a Create Provisional IHI Request.	<u>IE 1</u>	
2	The System sends a provisional IHI request to the HI criteria set.	Service with th	ne
3	The HI Service determines that the request message	is valid.	
	ALTERNATE FLOW(S):		
	Condition	Link	Return Step
	The HI Service determines that the request message is invalid.	<u>IE 2</u>	
4	The HI Service responds, with the provisional IHI.		<u>RU344</u> I <u>M345</u>
	ALTERNATE FLOW(S):		
	Condition	Link	Return Step
	The HI Service responds, indicating a data level	<u>IE 3</u>	
	business error. The HI Service does not respond within the specified timeout period and subsequent retries	<u>IE 4</u>	
	have failed.		
	The HI Service responds with an Unknown error.	<u>IE 5</u>	
5	The System records an IHI event.		AL729
	nal Extension (Alternate Flow) IE 1		
Cor	adition: The System determines that it does not a Create Provisional IHI Request.	nave all the rec	quired information to subm
Goa	•		
Rec	juirements:		
#	Description	Require	ment/OInclude
1	The System creates an IHI Exception using UC12		
	Generate IHI Exception, with an exception type of "Incomplete Request Criteria" and a message of	0012	: Generate IHI Exception
	"Insufficient information for Create Provisional IHI Request."		
	The System records an error response	EM135	
2	The System records an error response.	<u>EIVI133</u>	

Next Step: BF: Basic Flow

EXIT

Internal Extension (Alternate Flow) IE 2

Condition: The HI Service determines that the request message is invalid.

_

Goal: Respond with error. Requirements: RU160 RU163 RU165 RU167 RU168 RU254 RU255 RU256 RU258 RU259

#	Description	Requirement/
1	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help Desk".	EX644 OUC12: Generate IHI Exception
2	The System records an error response.	
3	The System records an IHI event.	<u>AL723</u>

EXIT

EXIT

Next Step: BF: Basic Flow

Internal Extension (Alternate Flow) IE 3

Condition:	The HI Service responds, indicating a data level business error.
Goal:	Respond with error.
Requirements:	<u>RU158 RU162 RU169 RU170 RU257 RU263 RU264 RU265 RU266 RU267</u>

#	Description	<u>Requirement/</u> OInclude
1	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Data Error" and a message of "Error [Error Code]: [Error Reason]". (e.g. "Error 00019: The date of birth must not be in the future.")	EX648 OUC12: Generate IHI Exception
2	The System records an error response.	
3	The System records an IHI event.	AL724

Next Step: BF: Basic Flow

Internal Extension (Alternate Flow) IE 4

Condition:	The HI Service does not respond within the specified timeout period and
	subsequent retries have failed.
Goal: Requirements:	Handle timeout

#	Description	Requirement/OInclude
1	The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failu Contact Help desk."	EX644
2	The System records an error response.	
3	The System records an IHI event.	<u>AL725</u>
Next Ste	p: BF: Basic Flow	EXIT

Internal Extension (Alternate Flow) IE 5

Condition:	The HI Service responds with an Unknown error.
Goal:	Respond with error.
Requirements:	

		<u>Requirement/</u>
	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of	EX653
	<u>"Unknown".</u>	OUC12: Generate IHI Exception
2	The System records an error response.	<u>EM310</u>
3	The System records an IHI event.	<u>AL730</u>

Next Step: BF: Basic Flow EXIT

BUSINESS RULES:

ID	Business Rule	Error #	Error Type
RU343	The following details are included in a Create Provisional HI Request:	badlyFormedMsg	N/A
	Family Name (mandatory)		
	Given Name 1 (optional)		
	Sex (mandatory)		
	Date of Birth (mandatory)		
	Date of Birth Accuracy Indicator (Mandatory)		
	Date of Death (optional)		
	 Date of Death Accuracy Indicator (optional) 		
	Source of Death Notification (optional)		
RU158	The given name may only contain the following character sets:	01418	Error
	• alpha		
	numeric		
	apostrophes		
	hyphens		
	Spaces must not appear immediately before or after apostrophes and hyphens.		
RU160	The maximum field length for a given name is 40.	badlyFormedMsg	ESB Error
RU162	The family name may only contain the following character sets:	00013	Error
	• alpha		
	numeric		
	apostrophes		
	hyphens		
	Spaces must not appear immediately before or after apostrophes and hyphens.		
RU163	The maximum field length for a family name is 40.	badlyFormedMsg	ESB Error
RU165	Date of Birth must be eight digits in length, in YYYYMMDD format.	badlyFormedMsg	ESB Error
RU167	Date of Birth must only contain numeric characters.	badlyFormedMsg	ESB Error
RU168	Date of Birth must be a valid calendar date.	badlyFormedMsg	ESB Error
RU169	Year of Birth must be greater or equal to 1800.	00018	Error
RU170	Date of Birth must not be in the future.	00019	Error
RU254	Date of Death must be eight digits in length.	badlyFormedMsg	ESB Error
RU255	Date of Death must only contain numeric characters.	badlyFormedMsg	ESB Error
RU256	Date of Death must be a valid calendar date.	badlyFormedMsg	ESB Error
RU257	Date of Death must not be in the future.	00267	Error

ID	Business Rule	Error #	Error Type
RU258	Date of Birth Accuracy Indicator must be a valid code.	badlyFormedMsg	ESB Error
RU259	Source of Death Notification must be a valid code. "H" = Health Care Provider.	badlyFormedMsg	ESB Error
RU263	Date of Death must not be before Date of Birth.	00275	Error
RU264	Date of Death is mandatory when a Death Notification Source has been provided.	00370	Error
RU265	Death Notification Source is mandatory when a Date of Death has been provided.	00371	Error
RU266	Date of Death is mandatory when a Death Accuracy Indicator has been provided.	01400	Error
RU267	Death Accuracy Indicator is mandatory when a Date of Death has been provided.	01401	Error
RU344	The Create Provisional IHI Response contains any of the following:	01466	N/A
	IHI Number		
	 IHI Record Status (value = "Provisional") 		
	 IHI Status (value = "Active") 		
	Successful creation message		
	Error message		
	Information message		
RU334	No evidence of identity (EOI) is required for the creation of a Provisional IHI record.		N/A
RU335	A Provisional IHI record will be expired by the Service Operator after a parameter set period of inactivity on the record (currently set to 90 days). Activity is classed as any update to the Provisional IHI record. After this time the IHI Record status will remain as Provisional and the IHI status will be set to Expired.		N/A

DEPENDENCIES:

ID	Description
DP583	Provisional IHI use - If a health service chooses to use Provisional IHIs.

INFORMATION MESSAGES:

ID	Message
IM345 /	The Provisional IHI has been successfully created.
01466	

ERROR MESSAGES:

ID	Message
EM135 /	The patient record does not have sufficient information held on it to perform the IHI request.

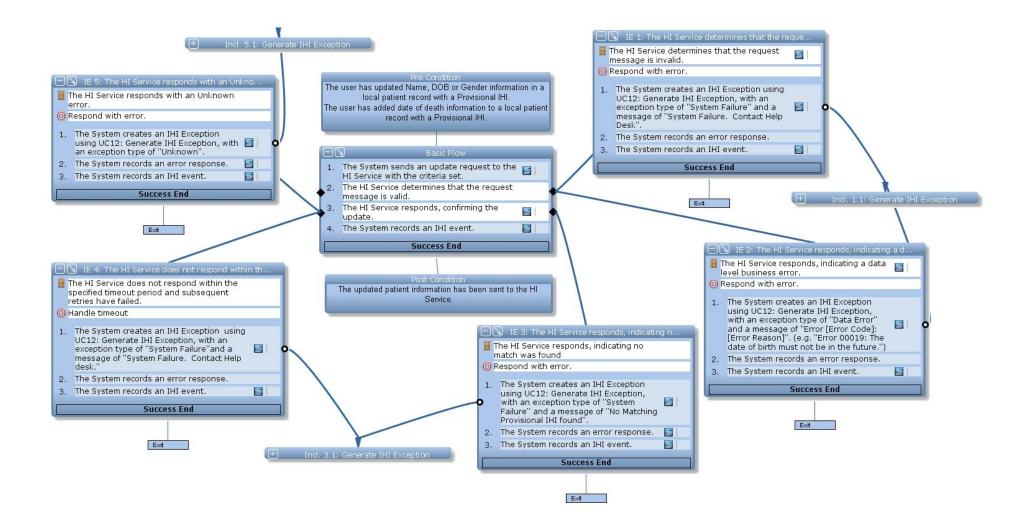
ID	Message
E101	
EM310 / 01474	Please contact Help Desk to resolve the unknown error.
01474	

AUDIT LOG:

ID	Name	Description
AL722	Provisional IHI Request Event - Insufficient	Audit Log details captured are as follows:
	Information	Date/Time
		User ID
		 Event Type = "Provisional IHI Request"
		 Event Status = "Aborted"
		Event Message = "The patient record does
		not have sufficient information held on it to
		perform the IHI request."
AL723	Provisional IHI Request Event - Invalid	Audit Log details captured are as follows:
	Request Message	Date/Time
		User ID
		 Event Type = "Provisional IHI Request"
		 Event Status = "Failed"
		Event Message = "Invalid request message"
AL724	Provisional IHI Request Event - Data Error	Audit Log details captured are as follows:
		Date/Time
		User ID
		 Event Type = "Provisional IHI Request"
		 Event Status = "Failed"
		Event Message = "Error [Error Code]: [Error
		Reason]". (e.g. "Error 00019: The date of
AL 705	Dravisional IIII Degrade Frank Timesout	birth must not be in the future.")
AL725	Provisional IHI Request Event - Timeout	Audit Log details captured are as follows:
		 Date/Time User ID
		 Event Type = "Provisional IHI Request" Event Status = "Aborted"
AL729	Provisional IIII Deguast Event Success	Event Message = "The HI Service is offline."
AL729	Provisional IHI Request Event - Success	Audit Log details captured are as follows:Date/Time
		 Event Message = "Provisional IHI Request Successful."
AL730	Provisional IHI Request Event - Unknown	Audit Log details captured are as follows:
	Error	Date/Time
		User ID
		 Event Type = "Provisional IHI Request"
		 Event Status = "Failed"
		 Event Message = "Unknown Error"

3.8 UC45 : Send Provisional IHI Update Request

Actors	The PAS System
Overview	This use case enables the updating of data in the HI Service, when name, DOB or gender information is updated in a local (PAS) patient record with a Provisional IHI.
Pre Condition	The user has updated Name, DOB or Gender information in a local patient record with a Provisional IHI.
	The user has added date of death information to a local patient record with a Provisional IHI.
Post Condition	The updated patient information has been sent to the HI Service.
Circumstances of Use	This use case will apply when an anonymous record has been created in the PAS, and a Provisional IHI allocated, and subsequently selected patient details are updated by the user.
	The use of this function will be driven by State/territory or health service policy, given the inherent risks in updating the details of a Provisional IHI (no health service who has received the Provisional IHI will be able to check it if the demographic details are changed without notification).
Included In (Other Use Cases)	UC51: Process Patient Details Update
Business Processes	None – see "Included in" Use Case above.



#	Description Requirement/		
1	The System sends an update request to the HI Serv criteria set.	ice with the	<u>RU610</u>
2	The HI Service determines that the request messag ALTERNATE FLOW(S):	e is valid.	
	Condition	Link	Return Step
	The HI Service determines that the request message is invalid.	<u>IE 1</u>	
	•	<u>IE 1</u> <u>IE 2</u>	

ALTERNATE FLOW(S):

Condition	Link	Return Step
The HI Service responds, indicating no match was found.	<u>IE 3</u>	
The HI Service does not respond within the specified timeout period and subsequent retries have failed.	<u>IE 4</u>	
The HI Service responds with an Unknown error.	<u>IE 5</u>	
The System records an IHI event.		<u>AL735</u>

Internal Extension (Alternate Flow) IE 1

4

Condition:	The HI Service determines that the request message is invalid.		
Goal:	Respond with error.		
Requirements:	RU160 RU163 RU164 RU165 RU167 RU168 RU252 RU254 RU255 RU256 RU258		
	<u>RU259</u>		

1 The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help Desk". EX644 2 The System records an error response.	ıde
2 The System records an error response	II Exception
3 The System records an IHI event. <u>AL732</u>	

EXIT

Next Step: BF: Basic Flow

Internal Extension (Alternate Flow) IE 2

Condition:	The HI Service responds, indicating a data level business error.		
Goal:	Respond with error.		
Requirements:	<u>RU146 RU148 RU594 RU158 RU162 RU169 RU170 RU257 RU263 RU264 RU265</u>		
	<u>RU266</u> <u>RU267</u>		

#	Description	Requirement/
1	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Data Error" and a message of "Error [Error Code]:	EX648 OUC12: Generate IHI Exception

	[Error Bosson]" (a.g. "Error 00010; The date of hirth					
	[Error Reason]". (e.g. "Error 00019: The date of birth must not be in the future.")					
2	The System records an error response.					
3	The System records an IHI event.	AL733				
Next S	tep: BF: Basic Flow EXI	Т				
nternal	Extension (Alternate Flow) IE 3					
	Ϋ́Υ, Ϋ́Υ,	ah waa fawad				
Condit Goal:	tion: The HI Service responds, indicating no mat Respond with error.	ch was lound				
	rements:					
#	Description	<u>Requirement/</u> OInclude				
1	The System creates an IHI Exception using UC12:	EX644				
	Generate IHI Exception, with an exception type of	OUC12: Generate IHI Exception				
	"System Failure" and a message of "No Matching					
	Provisional IHI found".					
2	The System records an error response.	<u>EM603</u>				
3	The System records an IHI event.	<u>AL737</u>				
Newson		-				
Next S	tep: BF: Basic Flow EXI	1				
ntornal	Extension (Alternate Flow) IE 4					
	, ,					
Condit		specified timeout period and				
	subsequent retries have failed.					
		Goal: Handle timeout				
Requirements:						
	rements:					
#	Description	Requirement/Onclude				
	Description	Requirement/Onclude				
#		EX644				
#	Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure.					
#	Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help desk."	EX644				
# 1 2	Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help desk." The System records an error response.	EX644 OUC12: Generate IHI Exception				
# 1	Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help desk."	EX644				
# 1 2 3	Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help desk." The System records an error response. The System records an IHI event.	EX644 OUC12: Generate IHI Exception				
# 1 2	Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help desk." The System records an error response. The System records an IHI event.	EX644 OUC12: Generate IHI Exception				
# 1 2 3 Next S	Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help desk." The System records an error response. The System records an IHI event. Step: BF: Basic Flow EXI	EX644 OUC12: Generate IHI Exception				
# 1 2 3 Next S	Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help desk." The System records an error response. The System records an IHI event. Step: BF: Basic Flow Extension (Alternate Flow) IE 5	EX644 OUC12: Generate IHI Exception AL734 T				
# 1 2 3 Next S nternal Condit	Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help desk." The System records an error response. The System records an IHI event. Step: BF: Basic Flow Extension (Alternate Flow) IE 5 tion: The HI Service responds with an Unknown	EX644 OUC12: Generate IHI Exception AL734 T				
# 1 2 3 Next S nternal Condit Goal:	Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help desk." The System records an error response. The System records an IHI event. Step: BF: Basic Flow Extension (Alternate Flow) IE 5 tion: The HI Service responds with an Unknown Respond with error.	EX644 OUC12: Generate IHI Exception AL734 T				
# 1 2 3 Next S nternal Condit Goal:	Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help desk." The System records an error response. The System records an IHI event. Step: BF: Basic Flow Extension (Alternate Flow) IE 5 tion: The HI Service responds with an Unknown	EX644 OUC12: Generate IHI Exception AL734 T				
# 1 2 3 Next S nternal Condit Goal:	Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help desk." The System records an error response. The System records an IHI event. Step: BF: Basic Flow Extension (Alternate Flow) IE 5 tion: The HI Service responds with an Unknown Respond with error.	EX644 OUC12: Generate IHI Exception AL734 T error.				
# 1 2 3 Next S nternal Condit Goal: Requir #	Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help desk." The System records an error response. The System records an IHI event. Step: BF: Basic Flow Extension (Alternate Flow) IE 5 tion: The HI Service responds with an Unknown Respond with error. Tements: Description	EX644 OUC12: Generate IHI Exception AL734 T error. Requirement/Onclude				
# 1 2 3 Next S nternal Condit Goal: Requir	Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help desk." The System records an error response. The System records an IHI event. Step: BF: Basic Flow Extension (Alternate Flow) IE 5 tion: The HI Service responds with an Unknown Respond with error. Tements: Description	EX644 OUC12: Generate IHI Exception AL734 T error. Requirement/Onclude EX653				
# 1 2 3 Next S nternal Condit Goal: Requir #	Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help desk." The System records an error response. The System records an IHI event. Step: BF: Basic Flow Extension (Alternate Flow) IE 5 tion: The HI Service responds with an Unknown Respond with error. Tements: Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of	EX644 OUC12: Generate IHI Exception AL734 T error. Requirement/Onclude				
# 1 2 3 Next S nternal Condit Goal: Requir # 1	Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help desk." The System records an error response. The System records an IHI event. Step: BF: Basic Flow Extension (Alternate Flow) IE 5 tion: The HI Service responds with an Unknown Respond with error. Tements: Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Unknown".	EX644 OUC12: Generate IHI Exception AL734 T error. Requirement/Onclude EX653 OUC12: Generate IHI Exception				
# 1 2 3 Next S nternal Condit Goal: Requir # 1	Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help desk." The System records an error response. The System records an IHI event. Step: BF: Basic Flow Extension (Alternate Flow) IE 5 tion: The HI Service responds with an Unknown Respond with error. Tements: Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Unknown". The System records an error response. The System creates an IHI Exception using UC12:	EX644 OUC12: Generate IHI Exception AL734 T error. Requirement/Onclude EX653 OUC12: Generate IHI Exception EM310				
# 1 2 3 Next S nternal Goal: Requir # 1	Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help desk." The System records an error response. The System records an IHI event. Step: BF: Basic Flow Extension (Alternate Flow) IE 5 tion: The HI Service responds with an Unknown Respond with error. Tements: Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Unknown".	EX644 OUC12: Generate IHI Exception AL734 T error. Requirement/Onclude EX653 OUC12: Generate IHI Exception				
 # 1 2 3 Next S nternal Condit Goal: Requir # 1 2 3 	Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help desk." The System records an error response. The System records an IHI event. Step: BF: Basic Flow Extension (Alternate Flow) IE 5 tion: The HI Service responds with an Unknown Respond with error. The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Unknown". The System records an error response. The System creates an IHI event.	EX644 OUC12: Generate IHI Exception AL734 T error. Requirement/Onclude EX653 OUC12: Generate IHI Exception EM310 AL736				
# 1 2 3 Next S nternal Condit Goal: Requir # 1	Description The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help desk." The System records an error response. The System records an IHI event. Step: BF: Basic Flow Extension (Alternate Flow) IE 5 tion: The HI Service responds with an Unknown Respond with error. The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "Unknown". The System records an error response. The System creates an IHI event.	EX644 OUC12: Generate IHI Exception AL734 T error. Requirement/Onclude EX653 OUC12: Generate IHI Exception EM310 AL736				

ID	Business Rule	Error #	Error Type
RU610	The following details are included in an Update Provisional HI	N/A	N/A

ID	Business Rule	Error #	Error Type
	Request:		
	IHI (Mandatory)		
	Family Name (Mandatory)		
	Given Name (Optional)		
	Sex (Mandatory)		
	Date of Birth (Mandatory)		
	Date of Birth Accuracy Indicator (Mandatory)		
	Date of Death (Optional)		
	 Date of Death Accuracy Indicator (Conditional) 		
	 Source of Death Notification (Conditional) 		
RU146	The IHI Number must include a valid check digit.	01514	Error
KU140		01514	EII0I
RU148	The IHI Number must be 16 digits.	01675	Error
RU594	The value should be as follows:	badlyFormedMsg	ESB
	http://ns.electronichealth.net.au/id/hi/ihi/1.0/nnnnnnnnnnnnnn		Error
	where nnnnnnnnnnnnnn is the 16 digit number allocated to the		
	record.		
RU158	The given name may only contain the following character sets:	01418	Error
	alpha		
	numeric		
	apostrophes		
	hyphens		
	Spaces must not appear immediately before or after apostrophes and hyphens.		
RU160	The maximum field length for a given name is 40.	badlyFormedMsg	ESB Error
RU162	The family name may only contain the following character sets:	00013	Error
	alpha		
	numeric		
	apostrophes		
	hyphens		
	Spaces must not appear immediately before or after apostrophes and hyphens.		
RU163	The maximum field length for a family name is 40.	badlyFormedMsg	ESB Error
RU164	The valid values for sex are	badlyFormedMsg	ESB
	• M (Male)		Error
	• F (Female)		
	 I (Intersex or Indeterminate) 		
	 N (Not stated/inadequately described) 		
RU165	Date of Birth must be eight digits in length, in YYYMMDD	badlyFormedMsg	ESB
	format.	,	Error
RU167	Date of Birth must only contain numeric characters.	badlyFormedMsg	ESB
DUIACO	Data at Dittle second has a secold been been been	h a allo (The second data)	Error
RU168	Date of Birth must be a valid calendar date.	badlyFormedMsg	ESB Error
RU169	Year of Birth must be greater or equal to 1800.	00018	Error

ID	Business Rule	Error #	Error Type
RU170	Date of Birth must not be in the future.	00019	Error
RU252	Date of Birth Accuracy Indicator must be a valid code.	badlyFormedMsg	ESB Error
RU254	Date of Death must be eight digits in length.	badlyFormedMsg	ESB Error
RU255	Date of Death must only contain numeric characters.	badlyFormedMsg	ESB Error
RU256	Date of Death must be a valid calendar date.	badlyFormedMsg	ESB Error
RU257	Date of Death must not be in the future.	00267	Error
RU258	Date of Birth Accuracy Indicator must be a valid code.	badlyFormedMsg	ESB Error
RU259	Source of Death Notification must be a valid code. "H" = Health Care Provider.	badlyFormedMsg	ESB Error
RU263	Date of Death must not be before Date of Birth.	00275	Error
RU264	Date of Death is mandatory when a Death Notification Source has been provided.	00370	Error
RU265	Death Notification Source is mandatory when a Date of Death has been provided.	00371	Error
RU266	Date of Death is mandatory when a Death Accuracy Indicator has been provided.	01400	Error
RU267	Death Accuracy Indicator is mandatory when a Date of Death has been provided.	01401	Error

DEPENDENCIES:

ID	Description
DP583	Provisional IHI use - If a health service chooses to use Provisional IHIs.

INFORMATION MESSAGES:

ID	Message
IM591 /	The Record has been successfully updated.
01402	

ERROR MESSAGES:

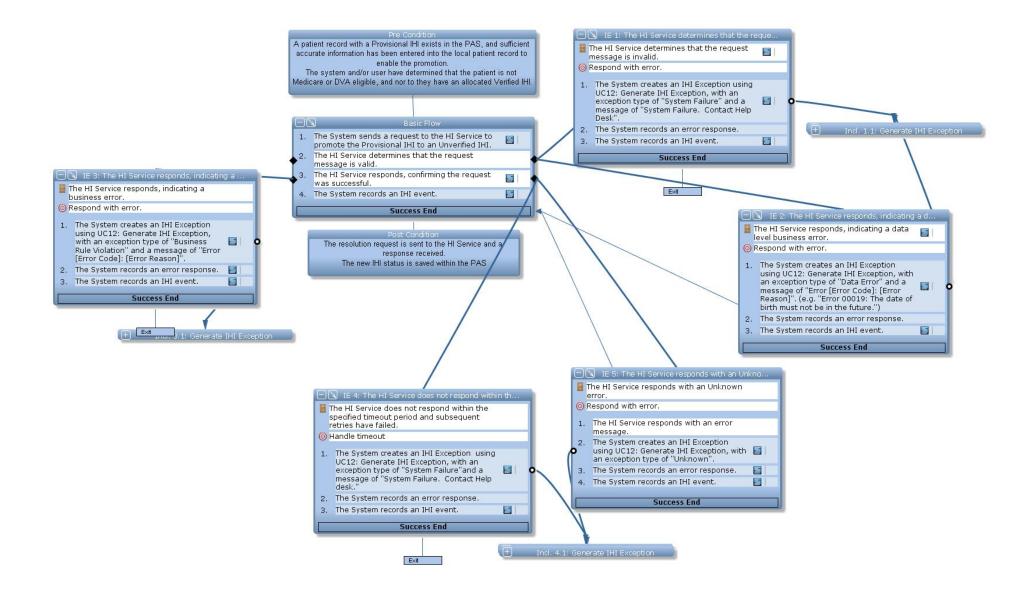
ID	Message
EM603 /	No match has been found.
01500	
EM310 /	Please contact Help Desk to resolve the unknown error.
01474	

AUDIT LOG:

ID	Name	Description
AL732	Provisional IHI Update Request Event -	Audit Log details captured are as follows:
	Invalid Request Message	Date/Time
		User ID
		 Event Type = "Provisional IHI Update
		Request"
		 Event Status = "Failed"
		Event Message = "Invalid request message"
AL733	Provisional IHI Update Request Event - Data	Audit Log details captured are as follows:
	Error	Date/Time
		User ID
		 Event Type = "Provisional IHI Update
		Request"
		Event Status = "Failed"
		Event Message = "Error [Error Code]: [Error
		Reason]". (e.g. "Error 00019: The date of
AL734	Dravisional IIII Lindata Daguaat Evant	birth must not be in the future.")
AL7 34	Provisional IHI Update Request Event - Timeout	 Audit Log details captured are as follows: Date/Time
	Timeout	User ID
		 Event Type = "Provisional IHI Update
		Request"
		 Event Status = "Aborted"
		 Event Message = "The HI Service is offline."
AL735	Provisional IHI Update Request Event -	Audit Log details captured are as follows:
/	Success	Date/Time
		User ID
		 Event Type = "Provisional IHI Update
		Request"
		 Event Status = "Success"
		 Event Message = "Provisional IHI Request
		Successful."
AL736	Provisional IHI Update Request Event -	Audit Log details captured are as follows:
	Unknown Error	Date/Time
		User ID
		 Event Type = "Provisional IHI Update
		Request"
		• Event Status = "Failed"
AL 707	Drevisional IIII Ladate Dominant Front Mu	Event Message = "Unknown Error"
AL737	Provisional IHI Update Request Event - No	Audit Log details captured are as follows:
	Match Error	Date/Time
		User ID Event Type "Drevisional IIII Indeta
		 Event Type = "Provisional IHI Update Pequest"
		Request"Event Status = "Failed"
		Event Message = "No Match Found"

3.9 UC49 : Send Provisional to Unverified Resolution Request

Actors	The PAS System
Overview	This use case supports the "promotion" of a Provisional IHI to an Unverified IHI, with the same IHI number being preserved.
Pre Condition	A patient record with a Provisional IHI exists in the PAS, and sufficient accurate information has been entered into the local patient record to enable the promotion.
	The system and/or user have determined that the patient is not Medicare or DVA eligible, and nor to they have an allocated Verified IHI.
Post Condition	The resolution request is sent to the HI Service and a response received.
	The new IHI status is saved within the PAS
Circumstances of Use	A patient record with a Provisional IHI exists in the PAS, and sufficient accurate information has been entered into the local patient record to enable the promotion (name, DOB, gender, address).
Included In (Other Use Cases)	UC36: Add Exception Resolution
Business Processes	None – see "Included in" Use Case above.



#	Description	Requirement/
1	The System sends a request to the HI Service to promote the Provisional IHI to an Unverified IHI.	<u>RU608</u>

2 The HI Service determines that the request message is valid.

ALTERNATE FLOW(S):

Condition	Link	Return Step
The HI Service determines that the request	<u>IE 1</u>	
message is invalid.	15.0	
The HI Service responds, indicating a data level	<u>IE 2</u>	
business error.		

³ The HI Service responds, confirming the request was successful. <u>IM609</u>

ALTERNATE FLOW(S):

Condition	Link	Return Step
The HI Service responds, indicating a business	<u>IE 3</u>	
error.		
The HI Service does not respond within the specified timeout period and subsequent retries have failed.	<u>IE 4</u>	
The HI Service responds with an Unknown error.	<u>IE 5</u>	
The System records an IHI event.		<u>AL742</u>

4 The System records an IHI event.

Internal Extension (Alternate Flow) IE 1

Condition:	The HI Service determines that the request message is invalid.			
Goal:	Respond with error.			
Requirements:	RU160 RU163 RU232 RU233 RU589 RU590 RU171 RU186 RU183 RU177 RU180 RU174 RU190 RU191 RU192 RU195 RU196 RU199 RU202 RU203 RU234 RU237 RU221 RU205 RU209 RU597 RU598 RU599 RU270 RU271 RU272 RU287 RU288 RU164 RU165 RU167 RU168 RU250 RU251 RU252 RU254 RU255 RU256 RU258 RU259 RU259 RU250 RU254 RU255 RU256			

#	Description	Requirement/OInclude
1	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help Desk".	EX644 OUC12: Generate IHI Exception
2	The System records an error response.	
3	The System records an IHI event.	<u>AL739</u>

Next Step: **BF: Basic Flow** EXIT

Internal Extension (Alternate Flow) IE 2

Condition:	The HI Service responds, indicating a data level business error.			
Goal:	Respond with error.			
Requirements:	RU146 RU148 RU594 RU158 RU162 RU185 RU182 RU176 RU238 RU239 RU207			
-	<u>RU173 RU189 RU194 RU240 RU198 RU201 RU245 RU247 RU600 RU276 RU277</u>			
	RU279 RU280 RU281 RU282 RU283 RU284 RU285 RU286 RU169 RU170 RU261			
	RU262 RU257 RU263 RU264 RU265 RU266 RU267			

#	Description	<u>Requirement/</u> OInclude
1	The System creates an IHI Exception using UC12	2: <u>EX648</u>
	Generate IHI Exception, with an exception type o	
	"Data Error" and a message of "Error [Error Code [Error Reason]". (e.g. "Error 00019: The date of b	<u>51.</u>
	must not be in the future.")	
2	The System records an error response.	
3	The System records an IHI event.	AL740
-		
Next St	tep: BF: Basic Flow	SUCCESS_END
nternal E	Extension (Alternate Flow) IE 3	
Conditi	ion: The HI Service responds, indicating a b	usiness error.
Goal:	Respond with error.	
Require	ements:	
#	Description	Dominament
1	The System creates an IHI Exception using UC12	Requirement/ Include 2: EX654
•	Generate IHI Exception, with an exception type o	
	"Business Rule Violation" and a message of "Erro	
	[Error Code]: [Error Reason]".	
2	The System records an error response.	EM341 EM604
3	The System records an IHI event.	<u>AL744</u>
Next St	tep: BF: Basic Flow	EXIT
Conditi Goal:	subsequent retries have failed. Handle timeout	the specified timeout period and
Conditi Goal: Require	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout ements:	the specified timeout period and
Conditi Goal: Require	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout	the specified timeout period and Requirement/ Include
Conditi Goal:	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout ements: Description The System creates an IHI Exception using UC12	Requirement/ Include
Conditi Goal: Require #	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout ements: Description The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o	Requirement/ Include 2: EX644 1 Ouclass Generate IHI Exception
Conditi Goal: Require #	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout ements: Description The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o "System Failure" and a message of "System Failure"	Requirement/ Include 2: EX644 1 Ouclass Generate IHI Exception
Conditi Goal: Require # 1	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout ements: Description The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o "System Failure" and a message of "System Failure"	Requirement/ Include 2: EX644 1 Ouclass Generate IHI Exception
Conditi Goal: Require # 1 2	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout ements: Description The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o "System Failure" and a message of "System Failu Contact Help desk." The System records an error response.	Requirement/ Include 2: EX644 OUC12: Generate IHI Exception ure.
Conditi Goal: Require # 1	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout ements: Description The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o "System Failure" and a message of "System Failure"	Requirement/ Include 2: EX644 1 Ouclass Generate IHI Exception
Conditi Goal: Require 1 2 3	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout ements: Description The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o "System Failure" and a message of "System Failu Contact Help desk." The System records an error response. The System records an IHI event.	Requirement/ Include 2: EX644 of OUC12: Generate IHI Exception AL741 AL741
Conditi Goal: Require # 1	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout ements: Description The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o "System Failure" and a message of "System Failu Contact Help desk." The System records an error response. The System records an IHI event.	Requirement/ Include 2: EX644 OUC12: Generate IHI Exception ure.
Conditi Goal: Require 1 1 2 3 Next St	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout ements: Description The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o "System Failure" and a message of "System Failu Contact Help desk." The System records an error response. The System records an IHI event.	Requirement/ Include 2: EX644 of OUC12: Generate IHI Exception AL741 AL741
Conditi Goal: Require 1 1 2 3 Next St	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout ements: Description The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o "System Failure" and a message of "System Failu Contact Help desk." The System records an error response. The System records an IHI event. tep: BF: Basic Flow Extension (Alternate Flow) IE 5	Requirement/ Include 2: EX644 of OUC12: Generate IHI Exception AL741 EXIT
Conditi Goal: Require # 1 1 2 3 Next St nternal E Conditi Goal:	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout ements: Description The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o "System Failure" and a message of "System Failu Contact Help desk." The System records an error response. The System records an IHI event. tep: BF: Basic Flow Extension (Alternate Flow) IE 5 ion: The HI Service responds with an Unknot Respond with error.	Requirement/ Include 2: EX644 of OUC12: Generate IHI Exception AL741 EXIT
Conditi Goal: Require # 1 1 2 3 Next St nternal E Conditi Goal:	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout ements: Description The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o "System Failure" and a message of "System Failu Contact Help desk." The System records an error response. The System records an IHI event. tep: BF: Basic Flow Extension (Alternate Flow) IE 5 ion: The HI Service responds with an Unkno	Requirement/ Include 2: EX644 of OUC12: Generate IHI Exception AL741 EXIT
Conditi Goal: Require # 1 1 2 3 Next St nternal E Conditi Goal: Require	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout ements: Description The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o "System Failure" and a message of "System Failu Contact Help desk." The System records an error response. The System records an IHI event. tep: BF: Basic Flow Extension (Alternate Flow) IE 5 ion: The HI Service responds with an Unknow Respond with error. ements:	Requirement/ Include 2: EX644 f UC12: Generate IHI Exception AL741 EXIT own error.
Conditi Goal: Require # 1 1 2 3 Next St nternal E Conditi Goal: Require #	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout ements: Description The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o "System Failure" and a message of "System Failure" Contact Help desk." The System records an error response. The System records an IHI event. tep: BF: Basic Flow Extension (Alternate Flow) IE 5 ion: The HI Service responds with an Unknown Respond with error. ements:	Requirement/ Include 2: EX644 Image: Description Image: Description Matrix Image: Description AL741 Image: Description EXIT Image: Description Description Image: Description Image: Description Image: Description <
Conditi Goal: Require # 1 1 2 3 Next St nternal E Conditi Goal: Require # 1	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout ements: Description The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o "System Failure" and a message of "System Failu Contact Help desk." The System records an error response. The System records an IHI event. tep: BF: Basic Flow Extension (Alternate Flow) IE 5 ion: The HI Service responds with an Unknow Respond with error. ements: Description The HI Service responds with an error message.	Requirement/ Include 2: EX644 Image: Description Image: Description Image: Description Image: Description AL741 Image: Description EXIT Image: Description Image: Description Image: Descr
Conditi Goal: Require # 1 1 2 3 Next St nternal E Conditi Goal: Require # 1	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout ements: Description The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o "System Failure" and a message of "System Failu Contact Help desk." The System records an error response. The System records an IHI event. tep: BF: Basic Flow Extension (Alternate Flow) IE 5 ion: The HI Service responds with an Unknow Respond with error. ements: Description The HI Service responds with an error message. The System creates an IHI Exception using UC12	Requirement/ Include 2: EX644 f OUC12: Generate IHI Exception AL741 EXIT own error. Requirement/ Include 2: EX653
Conditi Goal: Require # 1 1 2 3 Next St nternal E Conditi Goal: Require #	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout ements: Description The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o "System Failure" and a message of "System Failu Contact Help desk." The System records an error response. The System records an IHI event. tep: BF: Basic Flow Extension (Alternate Flow) IE 5 ion: The HI Service responds with an Unknow Respond with error. ements: Description The HI Service responds with an error message. The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o	Requirement/ Include 2: EX644 f OUC12: Generate IHI Exception AL741 EXIT own error. Requirement/ Include 2: EX653
Conditi Goal: Require # 1 1 2 3 Next St nternal E Conditi Goal: Require # 1 2	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout ements: Description The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o "System Failure" and a message of "System Failu Contact Help desk." The System records an error response. The System records an IHI event. tep: BF: Basic Flow Extension (Alternate Flow) IE 5 ion: The HI Service responds with an Unknown Respond with error. ements: Description The HI Service responds with an error message. The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o "Unknown".	Requirement/ Include 2: EX644 f OUC12: Generate IHI Exception AL741 EXIT own error. Requirement/ Include EX653 f OUC12: Generate IHI Exception
Conditi Goal: Require # 1 1 2 3 Next St nternal E Conditi Goal: Require # 1	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout ements: Description The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o "System Failure" and a message of "System Failu Contact Help desk." The System records an error response. The System records an IHI event. tep: BF: Basic Flow Extension (Alternate Flow) IE 5 ion: The HI Service responds with an Unknow Respond with error. ements: Description The HI Service responds with an error message. The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o "Unknown". The System records an error response.	Requirement/ Include 2: EX644 f OUC12: Generate IHI Exception AL741 EXIT own error. Requirement/ Include 2: EX653
Conditi Goal: Require # 1 1 2 3 Next St nternal E Conditi Goal: Require # 1 2 3	ion: The HI Service does not respond within subsequent retries have failed. Handle timeout ements: Description The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o "System Failure" and a message of "System Failu Contact Help desk." The System records an error response. The System records an IHI event. tep: BF: Basic Flow Extension (Alternate Flow) IE 5 ion: The HI Service responds with an Unknown Respond with error. ements: Description The HI Service responds with an error message. The System creates an IHI Exception using UC12 Generate IHI Exception, with an exception type o "Unknown".	Requirement/ Include 2: EX644 f OUC12: Generate IHI Exception AL741 EXIT own error. Requirement/ Include 2: EX653 Include 2: EX653 Include EX653 Include EM310

BUSINESS RULES:

ID	Business Rule	Error #	Error Type
RU608	The following details are included in an Unverified IHI Request:	badlyFormedMsg	ESB
	IHI (Mandatory)		Error
	Health Service Reference ID		
	Individual Healthcare Identification Entity		
	Sex (Mandatory)		
	Date of Birth (Mandatory)		
	Date of Birth Accuracy Indicator (Mandatory)		
	Birth Plurality (Conditional)		
	Birth Order (Conditional)		
	Date of Death (Optional)		
	Date of Death Accuracy Indicator (Conditional)		
	Source of Death Notification (Conditional)		
	Name Entity (more than one may be provided)		
	Name Title (Optional)		
	 Family Name (Mandatory) 		
	 Given Name (Optional, 0 to 2 instances) 		
	 Name Suffix (Optional) 		
	 Usage (Mandatory) 		
	Conditional Use (Optional)		
	Address Entity, 0 to 1 instances:		
	Australian Street Address (Optional)		
	 State (conditional mandatory) 		
	 Postcode (conditional mandatory) 		
	 Suburb (conditional mandatory) 		
	 Address Site Name (Optional) 		
	 Unit Group (Optional) 		
	 Unit Type (conditional mandatory) 		
	 Unit Number (Optional) 		
	 Level Group (Optional) 		
	 Level Type (conditional mandatory) 		
	 Level Number (Optional) 		
	• Lot Number (Optional)		
	• Street Number (Optional)		
	 Street Name (conditional mandatory) 		
	• Street Type (Optional)		
	 Street Suffix (Optional) 		
	Australian Postal Address (Optional)		
	 State (conditional mandatory) 		
	 Postcode (conditional mandatory) 		
	 Suburb (conditional mandatory) 		
	 Postal Delivery Group (conditional mandatory) 		
	 Postal Delivery Type 		

ID	Business Rule	Error #	Error Type
	 Postal Delivery Number (conditional mandatory) International Address (Optional) International State/Province (conditional mandatory) International Address Line (conditional mandatory) International Postcode (conditional mandatory) International Postcode (conditional mandatory) Country (conditional mandatory) Purpose (conditional mandatory) Preferred (conditional mandatory) Electronic Communications Entity (0 to many instances) 	Error #	Error Type
	 Electronic Communication Medium (conditional mandatory) Electronic Communication Usage Code (conditional mandatory) Electronic Communication Detail (conditional mandatory) Preferred (optional) 		
RU146	The IHI Number must include a valid check digit.	01514	Error
RU148	The IHI Number must be 16 digits.	01675	Error
RU594	The value should be as follows: http://ns.electronichealth.net.au/id/hi/ihi/1.0/nnnnnnnnnnnnnn where nnnnnnnnnnnnnn is the 16 digit number allocated to the record.	badlyFormedMsg	ESB Error
RU158	The given name may only contain the following character sets: alpha numeric apostrophes hyphens Spaces must not appear immediately before or after apostrophes and hyphens.	01418	Error
RU160	The maximum field length for a given name is 40.	badlyFormedMsg	ESB Error
RU162	 The family name may only contain the following character sets: alpha numeric apostrophes hyphens Spaces must not appear immediately before or after apostrophes and hyphens.	00013	Error
RU163	The maximum field length for a family name is 40.	badlyFormedMsg	ESB Error
RU232	Name Suffix must be a valid value.	badlyFormedMsg	ESB Error
RU233	Usage must be a single character. Must be a valid value.	badlyFormedMsg	ESB

ID	Business Rule	Error #	Error Type
			Error
RU589	Conditional Use must be a single character. Must be a valid value.	badlyFormedMsg	ESB Error
RU590	Preferred must be a single character. Must be a valid value.	badlyFormedMsg	ESB Error
RU171	Unit Type must be a valid value.	badlyFormedMsg	ESB Error
RU185	5 The address site name may only contain the following character 01582 sets:		Error
	• alpha		
	numeric		
	apostrophes		
	• hyphens		
	Spaces must not appear immediately before or after apostrophes and hyphens.		
RU186	The maximum field length for Address Site Name is 30.	badlyFormedMsg	ESB Error
RU182	The level number may only contain the following character sets:	01583	Error
	• alpha		
	• numeric		
	apostrophes		
	hyphens		
	Spaces must not appear immediately before or after apostrophes and hyphens.		
RU183	The maximum field length for level number is 4.	badlyFormedMsg	ESB
RU187	Level Type must be a valid value.	badlyFormedMsg	Error ESB Error
RU176	The street number may only contain the following character sets:	01584	Error Error
			-
	alphanumeric		
	apostrophes		
	 hyphens Spaces must not appear immediately before or after apostrophes and hyphens. 		
RU177	The maximum field length for street number is 12.	badlyFormedMsg	ESB Error
RU238	Either Street Number of Lot Number are required for an Australian Address.	01669	Error
RU239	Only one of Lot Number and Street Number is permitted, not both.	01668	Error
RU180	The maximum field length for lot number is 15.	badlyFormedMsg	ESB Error
RU207	Suburb, State and Postcode must be valid combinations for an Australian Address.	00098	Error
RU173	The unit number may only contain the following character sets:	01581	Error
	• alpha		

ID	Business Rule	Error #	Error Type
	 numeric apostrophes hyphens Spaces must not appear immediately before or after apostrophes and hyphens. 		
RU174	The maximum field length for unit number is 6.	badlyFormedMsg	ESB Error
RU189	The Street Name may only contain the following character sets: alpha numeric apostrophes hyphens Spaces must not appear immediately before or after apostrophes and hyphens.	01586	Error
RU190	The maximum field length for street name is 30.	badlyFormedMsg	ESB Error
RU191	Street Type must be a valid value.	badlyFormedMsg	ESB Error
RU192	Street Suffix must be a valid value.	badlyFormedMsg	ESB Error
RU194	 The Suburb may only contain the following character sets: alpha apostrophes hyphens Spaces must not appear immediately before or after apostrophes and hyphens. 	00081 & 01587	Error
RU195	The maximum field length for street name is 30.	badlyFormedMsg	ESB Error
RU196	Postal Delivery Type must be a valid value.	badlyFormedMsg	ESB Error
RU240	If Postal Delivery Type Code is Care PO (Care-of-Post Office) or Care PO (Poste Restante), a Postal Delivery Number is not required and vice versa Suburb for an Australian Address.	01506	Error
RU198	The Postal Delivery number may only contain the following character sets: alpha numeric apostrophes hyphens Spaces must not appear immediately before or after apostrophes and hyphens.	01588	Error
RU199	The maximum field length for Postal Delivery number is 11.	badlyFormedMsg	ESB Error
RU201	The Postcode may only contain the numeric characters. For an Australian Address, there must be 4 numeric characters.	00083	Error
RU202	The maximum field length for postcode is 4.	badlyFormedMsg	ESB Error
RU203	State must be a valid value.	badlyFormedMsg	ESB

ID	Business Rule	Error #	Error Type
			Error
RU234	Address Purpose is required if an Address is present. Must be a valid code.	badlyFormedMsg	ESB Error
RU245	Address purpose can only be set to Residential for International Addresses.	01465	Error
RU247	Only one type (Mailing/Residential or international) of address allowed in the create unverified IHI process.	01692	Error
RU237	Preferred Address Indicator is required if an Address is present. Must be a valid code.	badlyFormedMsg	ESB Error
RU221	Street Name, Suburb, Postcode and State are mandatory for an Australian Address.	badlyFormedMsg	ESB Error
RU600	If the country is Australia, the following fields should not be provided: International Address Line, International State/Province, and International Postcode.	01689	Error
RU205	Country must be a valid code.	badlyFormedMsg	ESB Error
RU209	All International Address fields are required for an International Address.	badlyFormedMsg	ESB Error
RU597	The maximum field length for International Address Line is 80.	badlyFormedMsg	ESB Error
RU598	The maximum field length for International AddressbadlyFormedState/Province is 40.		ESB Error
RU599	The maximum field length for International Address Postcode is badlyFormedMsg 10.		ESB Error
RU270	Electronic Communication Medium must be a valid code. badlyFormedMsg		ESB Error
RU271	Electronic Communication Code must be a valid code.	badlyFormedMsg	ESB Error
RU272	The maximum field length for Electronic Communication Detail is 250.	badlyFormedMsg	ESB Error
RU287	If an Electronic Communication Entity is present, Electronic Communication Medium, Electronic Communication Usage Code and Electronic Communication Details must be entered.	badlyFormedMsg	ESB Error
RU288	BIf one of Electronic Communication Medium, Electronic Communication Usage code or Electronic Communication Details are added then all fields must be entered.badlyFormedMsg		ESB Error
RU276	Where medium is 'Telephone', the detail must be in valid format. No less than 8 digits.	01430	Error
RU277	Where medium is 'Telephone', the detail must be numeric. 01429		Error
RU279	Where medium is 'Fax', the detail must be in valid format. No less than 8 digits.	01593	Error
RU280	Where medium is 'Fax', the detail must be numeric.	01592	Error
RU281	Where medium is 'Mobile', the detail must be in valid format. No less than 10 digits.	01431	Error

ID	Business Rule	Error #	Error Type
RU282	When Medium is 'Mobile', only alpha and numeric characters are acceptable.	00086	Error
RU283	Where medium is 'Email', the email address must include the @ symbol.	00088	Error
RU284	Where medium is 'Email', the email address must have alpha/numeric characters immediately before or after the @ symbol. Spaces must not immediately precede or follow the @ symbol.	00089	Error
RU285	Where medium is 'Email', there must be a "." after the @ symbol as part of the email address.	01577	Error
RU286	Where medium is 'Email', no spaces are allowed as part of a valid email address.	01578	Error
RU164	 The valid values for sex are M (Male) F (Female) I (Intersex or Indeterminate) N (Not stated/inadequately described) 	badlyFormedMsg	ESB Error
RU165	Date of Birth must be eight digits in length, in YYYYMMDD format.	badlyFormedMsg	ESB Error
RU167	Date of Birth must only contain numeric characters. badlyFe		ESB Error
RU168	Date of Birth must be a valid calendar date. badlyFormedMsg		ESB Error
RU169	Year of Birth must be greater or equal to 1800.	f Birth must be greater or equal to 1800. 00018	
RU170	Date of Birth must not be in the future.	00019	Error
RU250	Birth Plurality must be a valid code. 9 to be used if not stated.	badlyFormedMsg	
RU251	Birth Order must be a valid code. 9 to be used if not stated.	badlyFormedMsg	ESB Error
RU252	Date of Birth Accuracy Indicator must be a valid code.	badlyFormedMsg	ESB Error
RU261	Birth Order is mandatory if Birth Plurality > 1.	01422	Error
RU262	Birth Plurality is mandatory if Birth Order has been provided.	01691	Error
RU254	Date of Death must be eight digits in length.	badlyFormedMsg	ESB Error
RU255	Date of Death must only contain numeric characters.	badlyFormedMsg	ESB Error
RU256	Date of Death must be a valid calendar date.	badlyFormedMsg	ESB Error
RU257	Date of Death must not be in the future.	00267	Error
RU258	Date of Birth Accuracy Indicator must be a valid code.	badlyFormedMsg	ESB Error
RU259	Source of Death Notification must be a valid code. "H" = Health Care Provider.	badlyFormedMsg	ESB Error

ID	Business Rule	Error #	Error Type
RU263	Date of Death must not be before Date of Birth.	00275	Error
RU264	Date of Death is mandatory when a Death Notification Source has been provided.	00370	Error
RU265	Death Notification Source is mandatory when a Date of Death has been provided.	00371	Error
RU266	Date of Death is mandatory when a Death Accuracy Indicator has been provided.	01400	Error
RU267	Death Accuracy Indicator is mandatory when a Date of Death has been provided.	01401	Error

DEPENDENCIES:

ID	Description
DP584	Unverified IHI use - If a health service chooses to use Unverified IHIs.

INFORMATION MESSAGES:

ID	Message
IM609 / 01605	The Provisional IHI record has been successfully resolved and IHI status amended to Unverified.

ERROR MESSAGES:

ID	Message	
EM310 / 01474	Please contact Help Desk to resolve the unknown error.	
EM341 / 01458	Existing Unverified IHI record exists with these details. Change existing details or enter an address for this record.	
EM604 / 01601	The Provisional Record Status does not match the Record Status found.	

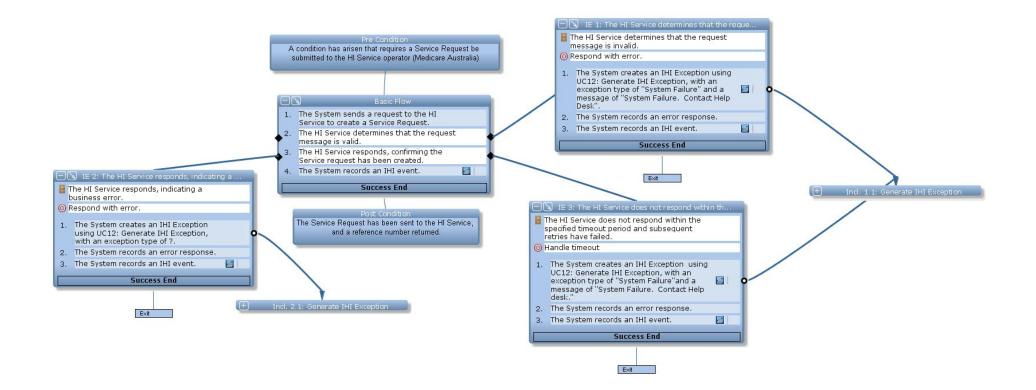
AUDIT LOG:

ID	Name	Description
AL739	Provisional to Unverified Resolution Request	Audit Log details captured are as follows:
	Event - Invalid Request Message	Date/Time
		User ID
		 Event Type = "Provisional to Unverified
		Resolution Request"
		 Event Status = "Failed"
		 Event Message = "Invalid request message"
AL740	Provisional to Unverified Resolution Request	Audit Log details captured are as follows:
	Event - Data Error	Date/Time
		User ID
		 Event Type = "Provisional to Unverified
		Resolution Request"
		 Event Status = "Failed"

ID	Name	Description
		 Event Message = "Error [Error Code]: [Error Reason]". (e.g. "Error 00019: The date of birth must not be in the future.")
AL741	Provisional to Unverified Resolution Request Event - Timeout	 Audit Log details captured are as follows: Date/Time User ID Event Type = "Provisional to Unverified Resolution Request" Event Status = "Aborted" Event Message = "The HI Service is offline."
AL742	Provisional to Unverified Resolution Request Event - Success	 Audit Log details captured are as follows: Date/Time User ID Event Type = "Provisional to Unverified Resolution Request" Event Status = "Success" Event Message = "Provisional IHI Request Successful."
AL743	Provisional to Unverified Resolution Request Event - Unknown Error	 Audit Log details captured are as follows: Date/Time User ID Event Type = "Provisional to Unverified Resolution Request" Event Status = "Failed" Event Message = "Unknown Error"
AL744	Provisional to Unverified Resolution Request Event - Business Error	 Audit Log details captured are as follows: Date/Time User ID Event Type = "Provisional to Unverified Resolution Request" Event Status = "Failed" Event Message = "Business Error"

3.10 UC48 : Send Medicare Service Request

Actors	The PAS System		
Overview	This use case enables the automated creation and transmission of a Service Request to the HI Service Operator (Medicare). This replaces the current process of lodging a request with Medicare over the telephone, or potentially through the HI Service user portal (the functional profile of the portal is unclear).		
	This use case supports a broad range of service requests and notifications to Medicare, and enables streamlining of the request process.		
	This is a use case not currently supported by the HI Service, though it has become an essential element of this design.		
	A group of management practices support the reporting on and monitoring of service requests. These are not documented in this functional design.		
	This is unconfirmed functionality, as is not yet supported by HI Service and Medicare.		
Pre Condition	A condition has arisen that requires a Service Request be submitted to the HI Service operator (Medicare Australia)		
Post Condition	The Service Request has been sent to the HI Service, and a reference number returned.		
Circumstances of Use	The uses of this function are many and varied, but include requests for the HI Service operator to:		
	 Assist with resolving a failed IHI Search where the patient has a Medicare/DVA card and all details appear correct. 		
	2. Assist with resolving a failed IHI check where the information held locally appears correct.		
	3. Exception notifications where these exceptions are deemed to be related to the functioning of the HI Service (e.g. an outage).		
	4. Lodge notifications (based on information gathered from the patient), that HI Service stored patient information may be incorrect.		
	5. Lodge record unmerge requests.		
	 Lodge incorrect date of death notification (e.g. for an HI Service record with deceased status, but the patient has presented at the health service). 		
	7. Lodge incorrect retired notification (e.g. for an HI Service record with retired status, but the patient has presented at the health service).		
Included In	UC55: Reset Merge		
(Other Use Cases)	UC56: Send Duplicate or Replica IHI Notification		
Cubbby	UC36: Add Exception Resolution		
	UC29: Unmerge Patient Records		
Business	None – see "Included in" Use Cases above.		
Processes			



BASIC FLOW:

ŧ	Description			Requirement/
	The System Request.	sends a request to the HI Service to c	reate a Service	
2	The HI Serv	ice determines that the request messa	ge is valid.	
	ALTERNA	TE FLOW(S):		
	Conditio	n	Link	Return Step
	The HI Se message	ervice determines that the request is invalid.	<u>IE 1</u>	
3	The HI Serv created.	ice responds, confirming the Service re	equest has been	
	ALTERNA	TE FLOW(S):		
	Conditio		Link	Return Step
	The HI Se error.	ervice responds, indicating a business	<u>IE 2</u>	
		ervice does not respond within the timeout period and subsequent retries	<u>IE 3</u>	
4	The System	records an IHI event.		<u>AL749</u>
nterr Con Goa	nal Extension (ndition: al: juirements:	records an IHI event. Alternate Flow) IE 1 The HI Service determines that the re Respond with error.	equest message i	
nterr Con Goa Req	nal Extension (ndition: al:	records an IHI event. Alternate Flow) IE 1 The HI Service determines that the re Respond with error.		
Con Goa Req	nal Extension (ndition: al: juirements: Descrip The Sys Generat "System	records an IHI event. Alternate Flow) IE 1 The HI Service determines that the re Respond with error.	Require 212: EX644 of Output	s invalid.
terr Con Goa Req # 1	nal Extension (ndition: al: juirements: Descrip The Sys Generat "System Contact	records an IHI event. Alternate Flow) IE 1 The HI Service determines that the re Respond with error. tion tem creates an IHI Exception using UC e IHI Exception, with an exception type Failure" and a message of "System Failure"	Require 212: EX644 of Output	s invalid. <u>ment/</u> Olnclude
terr Con Goa Req # 1	nal Extension (adition: al: juirements: Descrip The Sys Generat "System Contact The Sys	records an IHI event. Alternate Flow) IE 1 The HI Service determines that the re Respond with error. tion tem creates an IHI Exception using UC e IHI Exception, with an exception type Failure" and a message of "System Failed to the second to the s	Require 212: EX644 of Output	s invalid. <u>ment/</u> Olnclude
terr Con Goa Req # 1	nal Extension (adition: al: juirements: Descrip The Sys Generat "System Contact The Sys	records an IHI event. Alternate Flow) IE 1 The HI Service determines that the re Respond with error. tion tem creates an IHI Exception using UC e IHI Exception, with an exception type Failure" and a message of "System Failed Desk". Help Desk". tem records an error response.	Require 212: EX644 2 of ailure.	s invalid. <u>ment/</u> Olnclude
Con Goa Req 1 1 2 3 Nex	nal Extension (ndition: al: juirements: <u>Descrip</u> <u>The Sys</u> <u>Generat</u> <u>"System</u> <u>Contact</u> The Sys The Sys	records an IHI event. Alternate Flow) IE 1 The HI Service determines that the re Respond with error. tion tem creates an IHI Exception using UC e IHI Exception, with an exception type Failure" and a message of "System Failure" Help Desk". tem records an error response. tem records an IHI event.	Require 212: EX644 e of ailure. OUC12 AL746	s invalid. <u>ment/</u> Olnclude

#	Description	Requirement/OInclude
1	The System creates an IHI Exception using UC	<u>12:</u>
	Generate IHI Exception, with an exception type	of ?. OUC12: Generate IHI Exception
2	The System records an error response.	
3	The System records an IHI event.	<u>AL751</u>
Next S	Step: BF: Basic Flow	EXIT

Internal Extension (Alternate Flow) IE 3

Condition:	The HI Service does not respond within the specified timeout period and subsequent retries have failed.
Goal: Requirements:	Handle timeout

#	Description	Requirement/OInclude
1	The System creates an IHI Exception using UC12: Generate IHI Exception, with an exception type of "System Failure" and a message of "System Failure. Contact Help desk."	EX644 OUC12: Generate IHI Exception
2	The System records an error response.	
3	The System records an IHI event.	<u>AL748</u>
Next S	Step: BF: Basic Flow EXI	т

DEPENDENCIES:

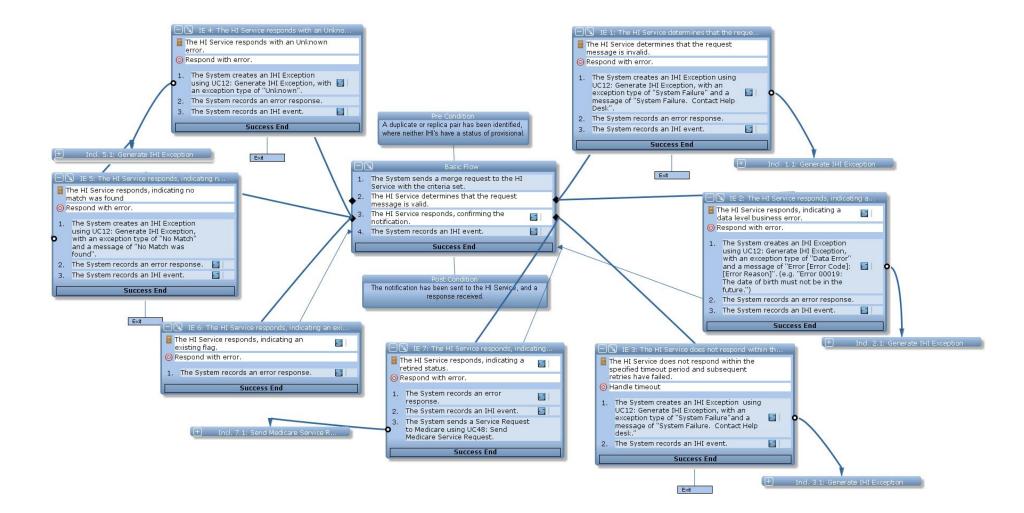
ID	Description
DP520	Automated Service Requests should be able to be lodged with Medicare, bypassing the
	need for a phone call to the Medicare Service Desk.

AUDIT LOG:

ID	Name	Description
AL746	Medicare Service Request Event - Invalid Request Message	 Audit Log details captured are as follows: Date/Time User ID Event Type = "Medicare Service Request" Event Status = "Failed" Event Message = "Invalid request message"
AL748	Medicare Service Request Event - Timeout	 Audit Log details captured are as follows: Date/Time User ID Event Type = "Medicare Service Request" Event Status = "Aborted" Event Message = "The HI Service is offline."
AL749	Medicare Service Request Event - Success	 Audit Log details captured are as follows: Date/Time User ID Event Type = "Medicare Service Request" Event Status = "Success" Event Message = "Provisional IHI Request Successful."
AL751	Medicare Service Request Event - Business Error	 Audit Log details captured are as follows: Date/Time User ID Event Type = "Medicare Service Request" Event Status = "Failed" Event Message = "Business Error"

3.11 UC56 : Send Duplicate or Replica IHI Notification

Actors	The PAS System
Overview	This use case automates the merge processing of patient records with patient records with Unverified or Verified IHIs. This will only occur as a result of a patient merge in the local PAS.
Pre Condition	A duplicate or replica pair has been identified, where neither IHIs have a status of provisional.
Post Condition	The notification has been sent to the HI Service, and a response received.
Circumstances of Use	This use case applies when a local (PAS) patient record merges involving any combination of records with Unverified and Verified IHIs (neither are Provisional).
Included In (Other Use Cases)	UC36: Add Exception Resolution UC28: Merge Patient Records
Business Processes	None – see "Included in" Use Cases above.



BASIC FLOW:

#	Description			Requirement/		
1	The System	sends a merge request to the HI Service	with t			
	set.		· .	· · · · · · · · · · · · · · · · · · ·		
2	The HI Service determines that the request message is valid.					
	ALTERNA	TE FLOW(S):				
	Condition	1	Link	Return Step		
		ervice determines that the request	<u>IE 1</u>			
	message		15.0			
	business	ervice responds, indicating a data level error.	<u>IE 2</u>			
3	The HI Serv	ice responds, confirming the notification.		<u>IM635</u> <u>IM636</u>		
	ALTERNA	TE FLOW(S):				
	Condition		Link	Return Step		
		ervice does not respond within the	<u>IE 3</u>			
	have faile	timeout period and subsequent retries d.				
	The HI Se	ervice responds with an Unknown error.	IE 4			
		ervice responds, indicating no match	<u>IE 5</u>			
	was found					
	The HI Se flag.	ervice responds, indicating an existing	<u>IE 6</u>	<u>4</u>		
		ervice responds, indicating a retired	IE 7			
	status.					
4	The System	records an IHI event.		AL757		
-	-					
Interna	al Extension (Alternate Flow) IE 1				
		,		encours in investig		
Goal	lition:	The HI Service determines that the requires Respond with error.	iest m	essage is invalid.		
	iirements:					
#	Descript			Requirement/		
1		tem creates an IHI Exception using UC12		<u>EX644</u>		
		e IHI Exception, with an exception type o Failure" and a message of "System Failu		UC12: Generate IHI Exception		
		Help Desk".	<u></u>			
2		tem records an error response.				
3		tem records an IHI event.		AL754		
Next	Step:	BF: Basic Flow	EXIT			
Interna	al Extension (Alternate Flow) IE 2				
Cond	lition:	The HI Service responds, indicating a d	ata lev	vel business error.		
Goal	:	Respond with error.				
Requ	irements:	<u>RU146</u> <u>RU148</u>				
#	Descript	tion				
	•			Requirement/ Include		
1		tem creates an IHI Exception using UC12 e IHI Exception, with an exception type o		<u>EX648</u>		

[Errol	Error" and a message of "Error [Error Code]: Reason]". (e.g. "Error 00019: The date of birth not be in the future.")	OUC12: Generate IHI Exception
	System records an error response.	
3 The S	System records an IHI event.	<u>AL755</u>
Next Step:	BF: Basic Flow SUC	CCESS_END
nternal Extensio	n (Alternate Flow) IE 3	
Condition: Goal: Requirements	The HI Service does not respond within the subsequent retries have failed. Handle timeout	specified timeout period and
# Desc	ription	Requirement/
<u>Gene</u> <u>"Syst</u>	System creates an IHI Exception using UC12: rate IHI Exception, with an exception type of em Failure" and a message of "System Failure. act Help desk."	EX644 OUC12: Generate IHI Exception
2 The S	System records an IHI event.	<u>AL756 EM145</u>
Next Step: nternal Extensio	BF: Basic Flow EXI n (Alternate Flow) IE 4	Т
Condition: Goal:	The HI Service responds with an Unknown	error.
Goal: Requirements # Desc	The HI Service responds with an Unknown Respond with error.	error. <u>Requirement/</u>
Goal: Requirements: # Desc 1 <u>The S</u> <u>Gene</u>	The HI Service responds with an Unknown Respond with error.	
Goal: Requirements # Desc 1 The S Gene "Unkr 2 The S	The HI Service responds with an Unknown Respond with error.	Requirement/ Include <u>EX653</u> OUC12: Generate IHI Exception
Goal: Requirements # Desc 1 The S Gene "Unkr 2 The S	The HI Service responds with an Unknown Respond with error.	Requirement/Onclude
Goal: Requirements # Desc 1 The S Gene "Unkr 2 The S	The HI Service responds with an Unknown Respond with error.	Requirement/ Include EX653 UC12: Generate IHI Exception AL758
Goal: Requirements # Desc 1 The S Gene "Unkr 2 The S 3 The S Next Step:	The HI Service responds with an Unknown Respond with error.	Requirement/ Include EX653 UC12: Generate IHI Exception AL758
Goal: Requirements # Desc 1 The S Gene "Unkr 2 The S 3 The S Next Step:	The HI Service responds with an Unknown Respond with error.	Requirement/ Include EX653 UC12: Generate IHI Exception AL758 T
Goal: Requirements: # Desc 1 The S Gene "Unkr 2 The S 3 The S Next Step: nternal Extension Goal: Requirements:	The HI Service responds with an Unknown Respond with error.	Requirement/ Include EX653 UC12: Generate IHI Exception AL758 T
Goal: Requirements: # Desc 1 The S Gene "Unkr 2 The S 3 The S Next Step: nternal Extension Condition: Goal: Requirements: # Desc 1 The S Gene	The HI Service responds with an Unknown Respond with error.	Requirement/ Include EX653 OUC12: Generate IHI Exception AL758 T ch was found
Goal: Requirements: # Desc 1 The S Gene "Unkr 2 The S 3 The S Next Step: nternal Extension Condition: Goal: Requirements: # Desc 1 The S Gene "No N found 2 The S	The HI Service responds with an Unknown Respond with error.	Requirement/ Include EX653 OUC12: Generate IHI Exception AL758 T Ch was found Requirement/ Include
Goal: Requirements: # Desc 1 The S Gene "Unkr 2 The S 3 The S Next Step: nternal Extension Condition: Goal: Requirements: # Desc 1 The S Gene "No M found 2 The S	The HI Service responds with an Unknown Respond with error.	Requirement/Include EX653 OUC12: Generate IHI Exception AL758 T T Ch was found Requirement/Onclude OUC12: Generate IHI Exception

Condition:	The HI Service responds, indicating an existing flag.
Goal:	Respond with error.
Requirements:	<u>RU638</u>

#	Descrip	tion	Requirement/OInclude
1	The Sys	stem records an error response.	EM633 EM634
Next S	Step:	BF: Basic Flow	4. The System records an IHI event.
nternal	Extension	Alternate Flow) IE 7	
Condit	tion:	The HI Service responds, indicating a	a retired status.
Goal: Requir	rements:	Respond with error. <u>RU630</u>	
	rements: Descrip	<u>RU630</u>	Requirement/OInclude
Requir	Descrip	<u>RU630</u>	Requirement/Onclude
Requir	Descrip The Sys	RU630 tion	
Requir # 1	Descrip The Sys The Sys The Sys	RU630 tion stem records an error response.	EM632 AL761

BUSINESS RULES:

ID	Business Rule	Error #	Error Type
RU628	The following details are included in an Duplicate/Replica Notification: • IHI (Mandatory) (First IHI in Duplicate Pair)	N/A	N/A
	IHI (Mandatory) (Second IHI in Duplicate Pair)		
	 Comments (Mandatory) - populated from Resolution Comments 		
RU659	The following details are included in an Duplicate/Replica Notification: • IHI (Mandatory)		N/A
	 Comments (Mandatory) - populated from Resolution Comments 		
RU146	The IHI Number must include a valid check digit.	01514	Error
RU148	The IHI Number must be 16 digits.	01675	Error
RU630	Records with a "Retired" status cannot be flagged as a potential Duplicate or Replica via the B2B channel.	01610	N/A
RU638	Existing Flags on Notified IHIs are not allowed? **More detail is required on this rule from the HI Service Operator.	01502 & 01507	N/A

INFORMATION MESSAGES:

ID	Message
IM635 /	The records selected have been successfully flagged as potential duplicates.
01449	
IM636 /	The records selected have been successfully flagged as potential replicas.
01496	

ERROR MESSAGES:

ID	Message
EM145 /	The HI Service is offline.
E100	
EM603 /	No match has been found.
01500	
EM632 /	This can not be flagged as a potential duplicate or replica as it has a "retired' status.
01610	
EM633 /	The following record(s) contain a potential duplicate flag: < Number>
01502	
EM634 /	The following record(s) contain a potential replica flag: < Number>
01507	

AUDIT LOG:

ID	Name	Description
AL754	Duplicate or Replica Notification Event -	Audit Log details captured are as follows:
	Invalid Request Message	Date/Time
		User ID
		 Event Type = "Provisional IHI Request"
		Event Status = "Failed"
		• Event Message = "Invalid request message"
AL755	Duplicate or Replica Notification Event -	Audit Log details captured are as follows:
	Data Error	Date/Time
		User ID
		 Event Type = "Provisional IHI Request"
		 Event Status = "Failed"
		Event Message = "Error [Error Code]: [Error
		Reason]". (e.g. "Error 00019: The date of
		birth must not be in the future.")
AL756	Duplicate or Replica Notification Event -	Audit Log details captured are as follows:
	Timeout	Date/Time
		User ID
		 Event Type = "Provisional IHI Request"
		 Event Status = "Aborted"
		Event Message = "The HI Service is offline."
AL757	Duplicate or Replica Notification Event -	Audit Log details captured are as follows:
	Success	Date/Time
		User ID
		 Event Type = "Provisional IHI Request"
		 Event Status = "Success"
		Event Message = "Provisional IHI Request
		Successful."
AL758	Duplicate or Replica Notification Event -	Audit Log details captured are as follows:
	Unknown Error	Date/Time
		• User ID
		• Event Type = "Provisional IHI Request"
		Event Status = "Failed"
	Durliggte en Derlige Netification Frank Ne	Event Message = "Unknown Error"
AL759	Duplicate or Replica Notification Event - No Match Error	Audit Log details captured are as follows:
		Date/Time
		User ID Event Type – "Duplicate or Benlice
		 Event Type = "Duplicate or Replica Notification"
AL761	Duplicate or Replica Notification Event -	Event Message = "No Match Found" Audit Log details captured are as follows:
ALIOI	Retired	
		 Event Type = " Duplicate or Replica

ID	Name	Description
		Notification"
		 Event Status = "Failed"
		 Event Message = "Record Retired"

4. Messages

4.1 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].

4.2 Error Messages

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 on
E101		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.
EM370 /	No Match found	No IHI match was found.
E104		
EM603 /	No Match	No match has been found.
01500		
EM302 /	Family Name	The family name contains invalid characters. Only alpha and
00013	-	numeric characters, apostrophes and hyphens are acceptable.
		Spaces must not appear immediately before or after
		apostrophes and hyphens.
EM303 /	Birth Year	The birth year must not be less than 1800, i.e. it must be equal
00018		to or greater than 1800.
EM304 /	Future DoB	The date of birth must not be in the future.
00019		
EM305 /	Locality	The locality contains invalid characters. Only alpha characters,
00081		apostrophes and hyphens are acceptable. Spaces must not
		appear immediately before or after apostrophes and hyphens.
EM306 /	Postcode	The postcode contains invalid characters. Only numeric
00083		characters are acceptable. The postcode must contain four
		numeric characters for an Australian address.
EM307 /	Locality Combination	The locality, postcode and state is not a valid combination.
00098		
EM308 /	Medicare check digit	Medicare card fails check digit routine.
00262		
EM322 /	Mobile Number	The mobile number contains invalid characters. Only alpha
00086		and numeric characters are acceptable.
EM324 /	@	You must key the @ symbol as part of the email address.
00088		
EM325 /	email	The email address must have alpha/numeric characters
00089		immediately before or after the @ symbol. Spaces must not
		immediately precede or follow the @ symbol.
EM326 /	Future date of death	The date of death must not be in the future.
00267		
EM327 /	Date of Death / Date of	The date of death must not be earlier than the date of birth.
00275	Birth	Maximum the second state of shareth sub-second state to state second state of shareth sub-second state sta
EM328 /	Date of Death/ Death	You must key a date of death when a death notification source

ID	Name	Message
00370	notification Source	has been selected.
EM329 /	Death Notification Source	You must select a death notification source when a date of
00371	/ Date of Death	death has been keyed.
EM310 /	Unknown error	Please contact Help Desk to resolve the unknown error.
01474		·
EM311 /	IHI check digit	IHI Number fails the check digit routine.
01514	_	_
EM142 /	Multiple Matches Found	Multiple matches found. Please refine the search criteria.
01527		
EM312 /	Multiple search criteria	Multiple search criteria keyed. Please refine the search criteria.
01528		
EM313 /	Invalid DVA	The DVA file number entered is invalid.
01544		
EM314 /	Unit Number	The Unit Number contains invalid characters. Only alpha and
01581		numeric characters, apostrophes and hyphens are acceptable.
		Spaces must not appear immediately before or after
		apostrophes and hyphens.
EM315 /	Address Site Name	The Address Site Name contains invalid characters. Only
01582		alpha and numeric characters, apostrophes and hyphens are
		acceptable. Spaces must not appear immediately before or after apostrophes and hyphens.
EM316 /	Level Number	The Level Number contains invalid characters. Only alpha and
01583	Lever Number	numeric characters, apostrophes and hyphens are acceptable.
01505		Spaces must not appear immediately before or after
		apostrophes and hyphens.
EM317 /	Street Number	The Street Number contains invalid characters. Only alpha and
01584		numeric characters, apostrophes and hyphens are acceptable.
01001		Spaces must not appear immediately before or after
		apostrophes and hyphens.
EM318 /	Lot Number	The Lot Number contains invalid characters. Only alpha and
01585		numeric characters, apostrophes and hyphens are acceptable.
		Spaces must not appear immediately before or after
		apostrophes and hyphens.
EM319 /	Street Name	The Street Name contains invalid characters. Only alpha and
01586		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
01587		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
01588		alpha and numeric characters, apostrophes and hyphens are
		acceptable. Spaces must not appear immediately before or
EM143 /	Expired Record Matched	after apostrophes and hyphens. This IHI record has an 'Expired' IHI status and can not be
01613		retrieved via this channel.
EM214 /	Retired Record Matched	This IHI record has a 'Retired" IHI status and can not be
01614		retrieved via this channel.
EM321 /	IHI Number	IHI Number must be 16 digits.
01675		
EM330 /	Date of Death/ Accuracy	No date of death has been recorded and a selection has been
01400	Ind	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 after
		apostrophes and hyphens.
EM337 / 01422	Birth Order	Birth Order must be selected if Birth Plurality is selected.

ID	Name	Message
EM338 /	Telephone Number	Telephone number contains invalid characters. Only numeric
01429	invalid	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. Change
01458	record exists	existing details or enter an address for this record.
EM349 /	Address Purpose	Address purpose can only be set to Residential for
01465		International Addresses.
EM351 /	Postal Delivery Type	If Postal Delivery Type Code is Care PO (Care-of-Post Office)
01506	Code	or Care PO (Poste Restante), a Postal Delivery Number is not
EM352 /	. after @	required and vice versa. You must key a "." after the @ symbol as part of the email
01577		address.
EM353 /	no spaces	No Spaces are allowed as part of a valid email address.
01578		no opacco alo anonos do part er a vana eman adarecer
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	Number	address.
EM357 /	Not both Street Number &	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		Address Line, International State/Province, and International Postcode.
EM359 /	Birth Plurality	Birth Plurality must be entered if Birth Order has been entered
01691	Dirtri Idrailty	Bitti i futality must be entered if bitti Order has been entered
EM360 /	One Address Type for	Only one type (Mailing/Residential or international) of address
01692	Unverified	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 updated for a
		verified IHI record via the B2B channel.
	Date of Death exists	The Date of Death from Births, Deaths and Marriages already
01427		exists for the Record.
EM596 /	Date of Death Accuracy	The Date of Death Accuracy Indicator from Births, Deaths and
01428 EM512 /	Indicator exists	Marriages already exists for the Record.
01690	Source of Death already held	The Source of Death Notification from Births, Deaths and 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		Status found.
EM605 /	No Status Match	The Unverified/Verified Record Status does not match the
01687		Record Status found.
EM606 /	Not Active or Deceased	The record to be processed does not have active or deceased
01688		Status.
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
	Neg Active Deties t	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
E101424 /		belong to two different people.
EM632 /	Retired Not Allowed	This can not be flagged as a potential duplicate or replica as it
01610		has a "retired' status.
EM633 /	Already Duplicate	The following record(s) contain a potential duplicate flag: <
01502		Number>
	1	

ID	Name	Message
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>

4.3 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 resolved
01611	as duplicate	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	resolved to IHI number [IHI Number].
	a primary IHI	
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 and
01605	Unverified IHI	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.

4.4 IHI Exceptions

ID	Name	Message
EX639	No Match (All Criteria	No unique match found. All demographic information was
	Sets)	exhausted.
EX662	No Match (Single Criteria)	No match found and no criteria refinement available.
EX663	No Match (After Merge)	No match found after merge and updated details.
EX664	No Match	No match was found in the HI Service.
EX640	No Match on Check IHI	No Match found.
EX641	Incomplete Request	[Message text varies for each Use Case it occurs in.]
	Criteria	
EX642	PAS Duplicate	Request for IHI aborted. Duplicate PAS records found on non-
		TDS Search.
EX643	Status Integrity	Status Hierarchy Mismatch. Held: [Status in PAS], Received
		[Status to Update]"
EX644	System Failure	System Failure. Contact Help Desk.
EX645	Provisional IHI	Provisional IHI
EX646	Returned IHI PAS	Another record in the PAS has this same IHI, [with the
	Duplicate	Secondary URN field populated with the URN of the duplicate].

ID	Name	Message
EX647	Potential Deceased	Date of Death: [Date of Death].
EX648	Data Error	Error [Error Code]: [Error Reason]". (e.g. "Error 00019: The
		date of birth must not be in the future.")
EX649	Multiple Matches	Multiple matches found.
EX650	Multiple Matches on	Multiple matches found.
	Check IHI	
EX652	HI Duplicate Data	"Existing Verified or Unverified IHI record with the same
		details." or blank
EX653	Unknown	Unknown
EX654	Business Rule Violation	Error [Error Code]: [Error Reason]
EX655	HI Merge Failure	HI Merge Failure
EX656	Inconsistent Referral IHI	Inconsistent Referral IHI
EX657	Current Patient IHI	Current Patient IHI Anomaly
	Anomaly	
EX658	HI Service Processing	HI Service Processing