

Web Services Australian Immunisation Register (AIR)

AIR Record Encounter

TECH.SIS.AIR.02

5 November 2025 Release

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Manager, AIR
Health Programmes Division,
Services Australia
PO Box 1001 Tuggeranong DC ACT 2901
Australia

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Document Change Control

Date of Issue	Brief Description of Change
24 October 2024	<p>Version 6.0.0 – 7 December 2024 release</p> <ul style="list-style-type: none"> Associate Documents – New API added Section 7.1 – Add Encounter Request – Data Structure <ul style="list-style-type: none"> Removed vaccineSerialNumber, updated vaccineType and added antenatalIndicator Section 7.2 – Add Encounter Request – Data Structure Diagram <ul style="list-style-type: none"> Updated diagram to include antenatalIndicator and update vaccineType element Section 7.6 – Add Encounter Request – Data Elements and Field Validations <ul style="list-style-type: none"> Removed Funding from vaccineFundingType element Updated vaccineType values to remove PRV and STP, and add OTH Removed vaccineSerialNumber element Added antenatalIndicator element Section 7.7 – Confirm Request – Data Structure <ul style="list-style-type: none"> Removed vaccineSerialNumber, updated vaccineType and added antenatalIndicator Section 7.8 – Confirm Request – Data Structure Diagram <ul style="list-style-type: none"> Updated diagram to include antenatalIndicator and update vaccineType element Section 8.1 – Add Encounter Response – Data Structure <ul style="list-style-type: none"> Removed vaccineSerialNumber, updated vaccineType and added antenatalIndicator Section 8.2 – Add Encounter Response – Data Structure Diagram <ul style="list-style-type: none"> Updated diagram to include antenatalIndicator, update vaccineType and remove vaccineSerialNumber Section 8.3 – Add Encounter Response – Data Elements and Field Validations <ul style="list-style-type: none"> Removed Episode Response VaccineSerialNumber Updated vaccineType Added antenatalIndicator element Section 9.4 – AIR-WS Response Codes <ul style="list-style-type: none"> Added AIR-E-1089 code for antenatalIndicator Section 9.5 – Assessment Reason Codes <ul style="list-style-type: none"> Added AIR-W-0077

Date of Issue	Brief Description of Change
12 November 2024	<p>Minor updates - 7 December 2024 release</p> <ul style="list-style-type: none"> • Section 7.6 – Add Encounter Request – Data Elements and Field Validations <ul style="list-style-type: none"> ○ Updated antenatalIndicator ○ Updated Confirmation Flag • Section 8.2 – Add Encounter Response – Data Structure Diagram <ul style="list-style-type: none"> ○ Diagram updated to include antenatalIndicator
12 December 2024	<p>Minor updates - 7 December 2024 release</p> <ul style="list-style-type: none"> • Section 7.6 – Add Encounter Request – Data Elements and Field Validations <ul style="list-style-type: none"> ○ Updated Confirmation Flag
31 January 2025	<p>Minor updates – 31 January 2025 release</p> <ul style="list-style-type: none"> • Section 7.6 – Add Encounter Request – Data Elements and Field Validations <ul style="list-style-type: none"> ○ Updated 'Business Rules Data Element Validations Comments' for 'antenatalIndicator' • Section 9.4 – AIR-WS Response Codes <ul style="list-style-type: none"> ○ Updated the message text of AIR-E-1089
28 February 2025	<p>Version 6.0.4 – Minor updates Release date – 28 February 2025 release</p> <ul style="list-style-type: none"> • Section 1.1 – Document Purpose <ul style="list-style-type: none"> ○ Updated AIR Record Encounter API to V1.4.0 • Section 1.2 – Scope <ul style="list-style-type: none"> ○ Updated AIR Record Encounter API to V1.4.0
2 June 2025	<p>Version 6.0.5 – Minor update</p> <ul style="list-style-type: none"> • Section 7.6 – Add Encounter Request – Data Elements and Field Validations <ul style="list-style-type: none"> ○ Added 'X' as one of the valid values for gender
24 October 2025	<p>Version 6.0.6 – Minor update</p> <ul style="list-style-type: none"> • Section 7.6 – Add Encounter Request – Data Elements and Field Validations <ul style="list-style-type: none"> ○ Added 'NS' (Nasal) as one of the valid values for Route of Administration

5 November 2025	<p>Version 6.0.7 – Minor update</p> <ul style="list-style-type: none">• Section 9.6 – ICAO Country/Region Codes<ul style="list-style-type: none">○ Added 'Palestine, State of'
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Associated Documents

The following table lists all documents that are relevant to this document:

Document Name	TECH.SIS
AIR Developers Guide	User Guide
AIR Vaccine Code Formats	User Guide
AIR Message Code List	User Guide
AIR Web Services Change Guide	Change Guide
AIR Web Services Common Rules	TECH.SIS.AIR.01
AIR Planned Catch Up Date	TECH.SIS.AIR.03
AIR API Authorisation	TECH.SIS.AIR.04
AIR API Individual Details	TECH.SIS.AIR.05
AIR API Medical Exemptions	TECH.SIS.AIR.06
AIR Reference Data API	TECH.SIS.AIR.07

Definitions, Acronyms and Abbreviations

The following table provides a list of all terms, acronyms and abbreviations required to properly interpret the System Interface Specifications:

Acronym	Description
AIR	Australian Immunisation Register- A national register that records all vaccinations given to individuals of all ages.
AIR-WS	Australian Immunisation Register Web Service
API	Application Programming Interface
ATSI	<p>Aboriginal and Torres Strait Islander Indicator (also known as 'Indigenous Indicator') identifies indigenous status of the individual as provided by the individual.</p> <p>Note: Services Australia is working towards correcting any hardcoded data elements that incorrectly use the abbreviation 'ATSI'. We acknowledge that this is not a respectful term and would ask that software developers be mindful that when referring to Australia's First Nations people, to always use capitalised titles and never abbreviate.</p>
B2B	Business to Business

CA	Client Adaptor - A suite of Application Programming Interfaces (API's) developed for online Medicare claiming (including AIR). The APIs are utilised at Health Care Locations (HCL) to interface between Client Systems and Medicare's systems using the latest web service channel. Client Adaptors are being replaced by the more modern B2B web services technology.
Catch up schedule	Catch up schedules are recorded on the Australian Immunisation Register (AIR) so that children or individuals may have an up-to-date status for family assistance payments purposes for the duration of the catch up schedule. Catch up schedules do not bring children or individuals up-to-date for immunisation purposes.
Claim	Group of one or more encounters. A claim will always have the same information provider but may have one or more different immunisation providers.
CS	Client System is a generic name for the software systems provided by a software developer used at Health Care Locations (HCL). Also known as Practice Management Software (PMS).
Date of service	The date entered on an Encounter Header form to record the immunisation date for all episodes for that encounter.
DVA	The Commonwealth Department of Veterans' Affairs
ECLIPSE	Electronic Claim Lodgment and Information Processing Service Environment
Encounter	A visit to a general practitioner or a vaccination provider where one or more episodes (vaccines) are administered.
Episode	An immunisation given to the individual by the vaccination provider. Each encounter will have at least one episode and may have up to five.
Health Care Location (HCL)	A Health Care Location is where the web services enabled software is located that is used by health professionals and administrators to send transmissions to the agency.
Health Care Organisation (HCO)	A Health Care Organisation is the entity registered in PRODA for B2B Web Service transmissions.
Health Systems Developer Portal	This secure platform (the portal) provides a gateway to access our licenced development material and API's, and to manage your applications and company details when on-boarding with Services Australia.
HPI-O	Healthcare Provider Identifier - Organisation (HPI-O) is allocated to organisations that deliver health services (e.g. hospitals, health centres). This identifier forms part of the national infrastructure needed to support secure electronic communications and in particular the My Health Record system.
HPI-I	Healthcare Provider Identifier-Individual (HPI-I) is allocated to health professionals involved in providing patient/client care. This identifier forms part of the national infrastructure needed to support secure electronic communications and in particular the My Health Record system.
HTTP	The Hypertext Transfer Protocol is a stateless application-level protocol for distributed, collaborative, hypertext information systems.
ICT	Information and Communications Technology
IHI	Individual Healthcare Identifier (IHI) is allocated to individuals enrolled in the Medicare program or issued a Department of Veterans' Affairs treatment card and others who seek healthcare in Australia (e.g. tourists, visa card holders). This identifier forms part of the national infrastructure needed to support secure electronic communications and in particular the My Health Record system.
Immunisation date	The date the immunisation was provided.
Immunisation provider	The provider who administered the vaccine to the individual.
Indigenous indicator	Indigenous indicator identifies the Aboriginal and/or Torres Strait Islander status of the individual, as voluntarily provided by the individual.

Information payment	Eligible vaccination providers can get an information payment for completing a National Immunisation Program Schedule or a planned catch-up schedule for a child under 7 years old and recording it on the AIR. The information payments are up to \$6 per completed National Immunisation Program Schedule and \$6 per completed planned catch-up schedule for children under 7 years old.
Information provider	This is the provider who sent the information to the AIR. An information provider may be the same as an immunisation provider.
IRN	Individual Reference Number. A unique, identifying number for each person listed on a Medicare card. It appears to the left of each name on the Medicare card.
IT	Information Technology
JSON	JavaScript Object Notation (JSON) - an open-standard file format that uses human-readable text to transmit data objects consisting of object-properties pairs and array data types (or any other serializable value).
Medicare	Medicare is Australia's universal health insurance scheme. It guarantees all Australians (and some overseas visitors) access to a wide range of health and hospital services at low or no cost.
Message	In ICT terms, a message is a logical unit of information to communicate between ICT systems.
Minor Id	The Minor Id is an identifier used by Services Australia. It is the identifier allocated to the location by the software developer (vendor) and is used to identify the transmission origin. The Minor Id is also known as the Customer Id, Location Id or Software Id.
NOI	Notice of Integration. For each Software Product Release a Software developer, in conjunction with Online Technical Support (OTS), performs a series of integration tests. If the integration tests are successful, the Software developer is issued with a Notice of Integration (NOI).
OTS	Online Technical Support
PBS	Pharmaceutical Benefits Scheme
PMS	Practice Management Software/System is a generic name for the software systems used at HCL's. Also known as Client System (CS).
PRODA	The Provider Digital Access system that authenticates and manages identity for providers and organisations.
Receipt date	This is the date the information is received on the AIR.
REST	REST (Representational State Transfer) defines a set of architectural principles by which you can design Web services that focus on a system's resources, including how resource states are addressed and transferred over HTTP by a wide range of clients written in different languages.
RESTful	RESTful APIs enable the developer to develop any kind of web application having all possible CRUD (create, retrieve, update and delete) operations.
Software Instance	A Software Instance (SI) node represents an instance of an off-the-shelf software product or equivalent proprietary item of software.
Services Australia	Services Australia is an Australian Government agency within the Social Services portfolio. The agency, formerly known as the Department of Human Services, continues to deliver Medicare, Centrelink and Child Support payments and services
TECH.SIS	Technical System Interface Specification
the agency	Services Australia (the agency)
the portal	Refer to Health Systems Developer Portal
Vaccination provider	A medical practitioner or a person who is recognised by the Services Australia as a provider of vaccinations to individuals as per the <i>Australian Immunisation Register Act 2015</i> .
Web Service Request	A Web Service Request is a message sent from a Service Consumer to a Service Provider.
Web Service Response	A Web Service Response is a message returned from a Service Provider to a Service Consumer in response to a Web Service Request.

WS	Web Services are application components which enable the communications between the Client Systems and Services Australia ICT systems using the Web. Web Services is replacing the older Adaptor technology.
WS-Client	Web Service Client. An application or software that consumes a Web Service.
YAML	YAML Ain't Markup Language (YAML) - a human-readable data serialization language that is commonly used for configuration files, but could be used in many applications where data is being stored (e.g. debugging output) or transmitted (e.g. document headers). YAML is used to define data requirements within the web service request.

1 Introduction

This document forms part of the Web Services Licenced Material as referenced in the Interface Agreement. The Web Services Licenced Material includes guides, documents and other material.

For a complete list of other Web Services Licence Material associated with Web Services, *refer to the document "AIR Developers Guide"*.

1.1 Document Purpose

The purpose of this document is to provide software developers with the information to develop software products to interface with Services Australia (the agency) and to integrate with the AIR Web Services.

This document provides technical information to assist software developers with the application of Web Services for immunisation notifications using the following AIR Web Services:

- AIR Record Encounter API V1.4.0

1.2 Scope

The scope of this document is to describe the YAML data elements and the business rules for the Record Encounter function within the **AIR API Immunisation Encounter v1.4.0** product for the AIR programme.

1.3 Target Audience

The intended audience for this document includes software developers with an interest in integrating AIR Web Services into their product, including:

- IT Managers
- IT Architects and System Designers
- Business/Systems Analysts
- Software Developers (Medicare Online, PBS and AIR only)

1.4 Legal, Privacy & Policy Requirements

When building your software product/s you should consider that end users, e.g. health professionals, have legal, privacy and policy requirements when dealing with their patients/individuals' information. Below are some requirements.

Participating health professionals may utilise the services and information provided including personal information only in accordance with National (*Privacy Act 1988*, *Health Insurance Act 1973*, *Australian Immunisation Register Act 2015* and other relevant legislation), State or Territory legislation, Policy and Guidelines.

Participating health professionals are advised to verify that their intended use of services and information does not contravene any applicable legislation or regulations or is inconsistent with any applicable policy or guidance.

All transactions with AIR Web Services are recorded in the System Log by the Service Operator, Services Australia (the agency).

1.5 Pre-Requisites

The pre-requisites for the reader to understand this document are:

- A basic knowledge or familiarity of Web Services concepts and terms.
- A basic knowledge or familiarity of web based business applications.

1.6 Terminology

Refer to Definitions, Acronyms and Abbreviations for a list of Acronyms and Terms used in this document.

1.7 Changes

Please contact the Developer Liaison team at DeveloperLiaison@servicesaustralia.gov.au if you have any feedback, or recommendations for this documentation.

2 Service Summary

The AIR Record Encounter function allows recognised vaccination providers to send an individual's immunisation information to the AIR.

Vaccination providers in Australia can also send information about immunisations received by individuals overseas and immunisations administered by another vaccination provider.

An AIR Record Encounter consists of:

- One Information Provider Number
- One Immunisation Provider Number (optional)
- One Individual
- One or more encounters

Each encounter consists of:

- One or more episodes (up to a maximum of 5)

Each episode consists of:

- Vaccine details

This service will process in a real-time transaction and will validate the data entered for an individual's immunisation history as recorded on the AIR.

The AIR Record Encounter Web Service replaces the existing Client Adaptor (CA) General (GEN) and History (HST) claims service. This service will use REST with a JSON payload.

Notice of Integration (NOI) testing requirements:

It is a requirement to develop the Record Encounter function in conjunction with all other AIR Web Services so full AIR functionality is provided. This enables health professionals and health care locations to perform a full range of services.

In addition to passing all the business rules contained within this document, it is a requirement that the software product will have ability to pass the following tests:

- Provide the option for an Information Provider to update an individual's record with immunisation history, and
- Provide the option for an Information Provider to update an individual's record with immunisations received overseas
- Provide the valid vaccines/brands for selection (i.e. drop down list, checkbox) for the Information Provider to update an individual's record with their immunisation history.

Note: Whilst some fields are optional for health professionals to select when submitting to the AIR, it is **mandatory** for software developers to develop for all fields and their corresponding values.

3 Preconditions

In order to send this request the following conditions must be met:

- The organisation must have a valid **PRODA** organisation account with the associated permissions to transmit to AIR; and
- The CS Software must have a NOI for Web Services in place to send an **AIR Record Encounter** request.
- The location's PRODA organisation credentials are successfully verified for the Web Service Request by the agency;
- The transmitting location (Minor Id) and the organisation's associated PRODA account have been registered (linked) within the *Medicare Online/ECLIPSE/DVA/AIR* service provider.
- The information provider is validated and authorised as registered on the AIR to access this Web Service.

Note: If a CS has an existing NOI in place for client adaptors, this is not transferrable. Any software developed for Web Services has to go through the full testing process to receive a NOI for Web Services.

4 Record Encounter Web Service Operation

4.1 Description

The AIR Web Services will provide a request-response based communication system. The users CS will initiate the communication by calling the required Web Service operation.

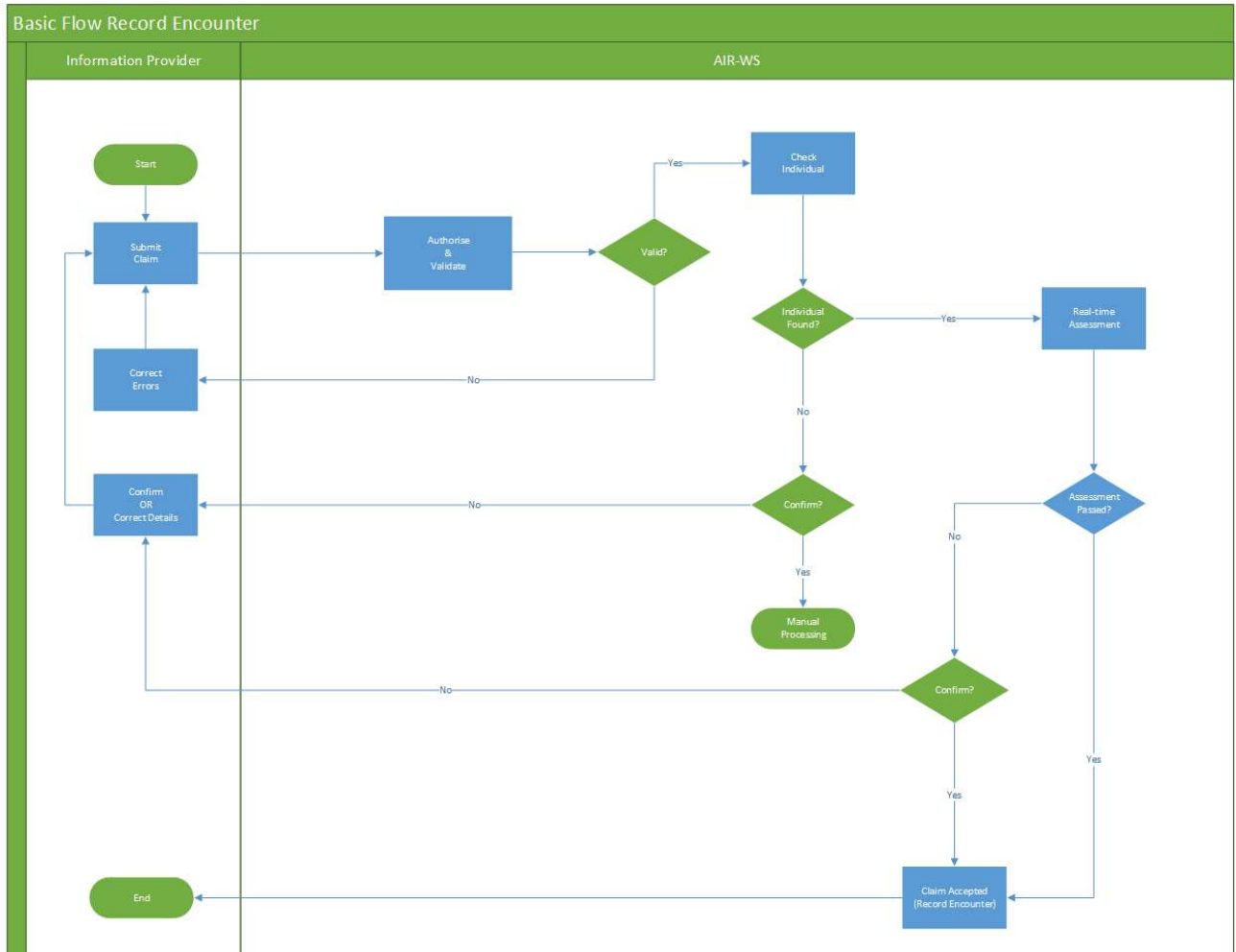
The Record Encounter Web Service will process the Web Service request and send a response message. This service will process immunisation encounters in a real-time transaction and will validate the data entered for an individual's immunisation history as recorded on the AIR.

Note: Whilst the individualIdentifier field is not applicable for the AIR Record Encounter API, it is highly recommended that the provider identifies an individual using the *AIR Identify Individual API* and retrieves their immunisation history using the *AIR Individual Immunisation History API* respectively before this service. This will ensure the provider views the most up to date immunisation information for the individual before administering a vaccine and/or recording the details on the AIR.

4.2 Incoming HTTP Headers

Refer to *AIR Web Services Common Rules (TECH.SIS.AIR.01)* for HTTP headers.

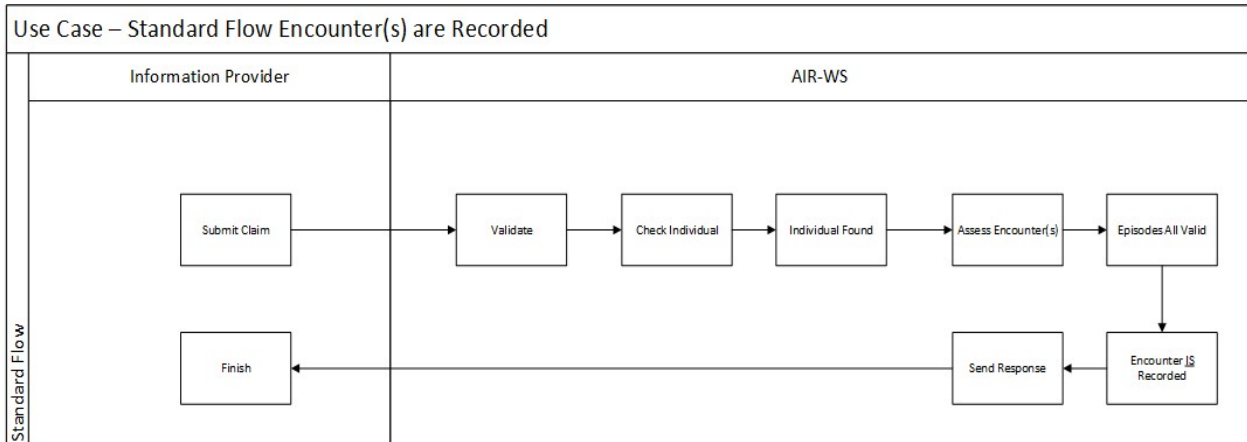
5 Record Encounter Web Service Process Flow Diagram



6 Record Encounter Workflow Use Cases

6.1 Standard Success Flow

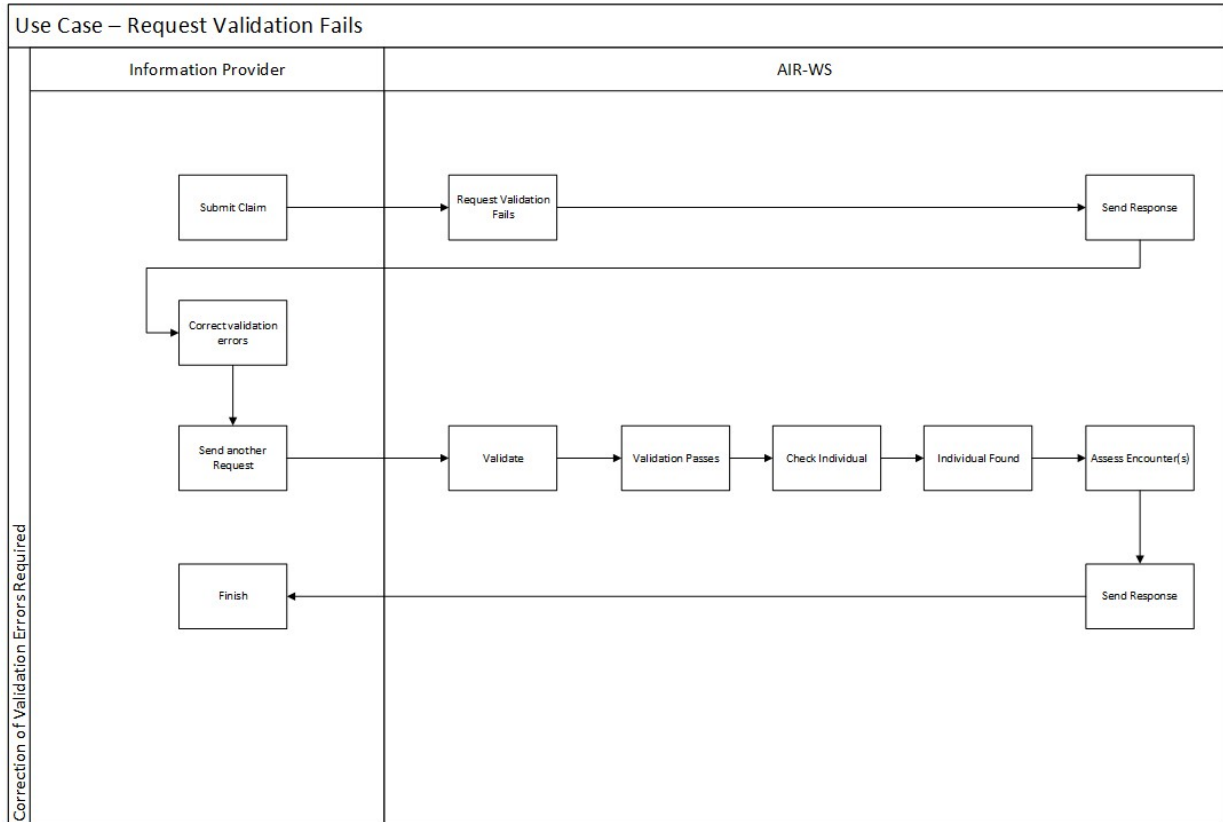
1. Provider submits a claim request.
2. Preliminary Validation passes.
3. Individual is found.
4. Encounters and episodes are assessed.
5. All encounter(s) are recorded successfully.
6. A success response is sent back to provider.



Refer to *Appendix A* – All Encounter(s) were successful example response.

6.2 Request Validation Fails

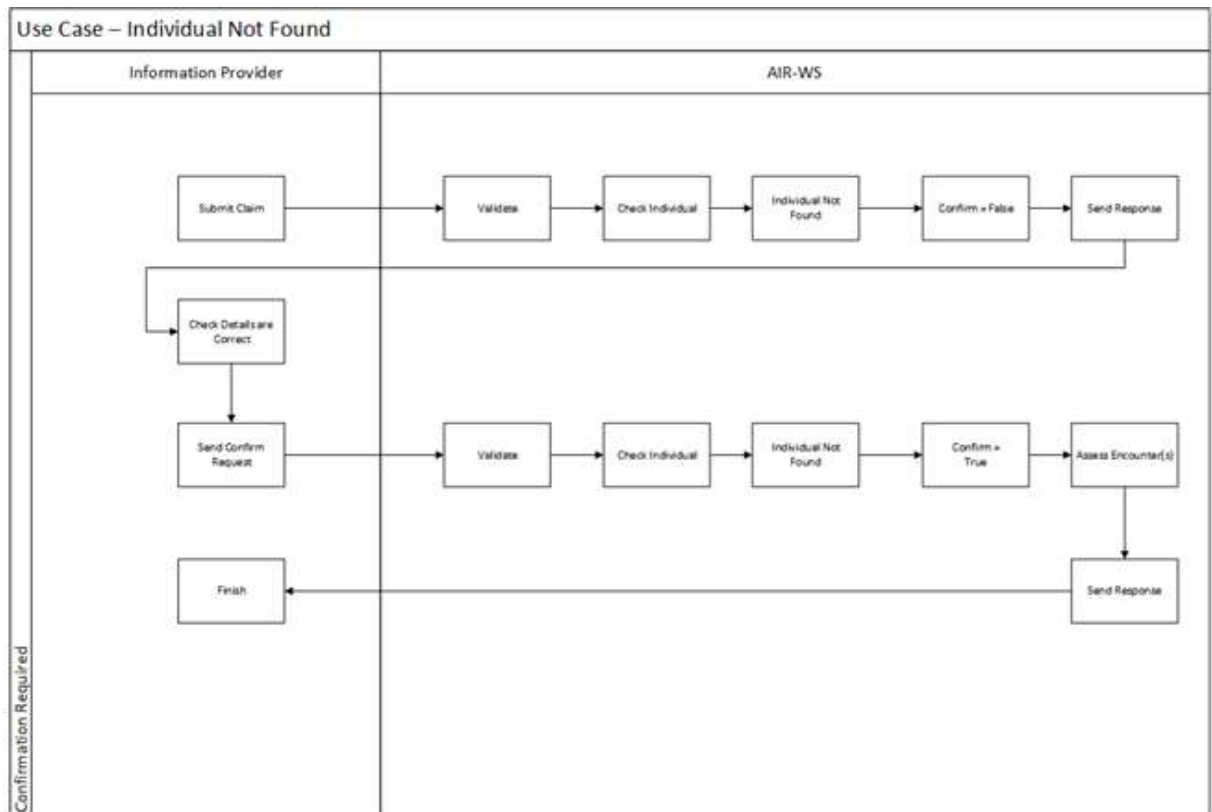
1. Provider submits a claim request.
2. Request Validation fails.
3. A response is sent back to Provider with validation error details.
4. The Provider corrects the basic information (e.g. Medicare Card Number)
5. The Provider sends another request.
6. Preliminary Validation passes. Process continues to Assessment.



Refer to *Appendix A - Validation Error example response*.

6.3 Individual Not Found

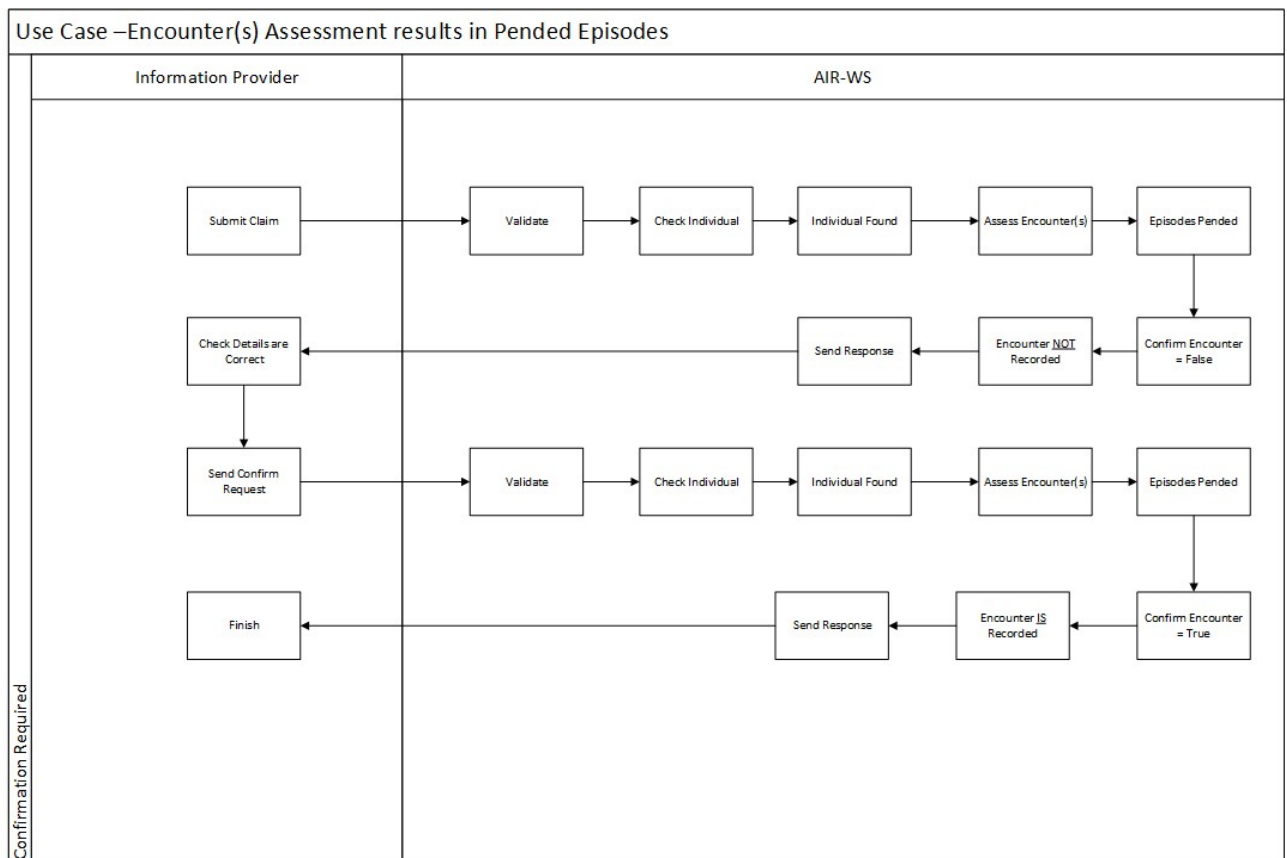
1. Provider submits a claim request.
2. Preliminary Validation is passed.
3. Individual is not found.
4. A response is sent back to Provider stating that Individual is not found. Either correct the details or confirm that Individual details are correct.
5. Provider sends another request with a confirm flag for the individual, accepting and confirming the details are correct. Essentially this is confirming that it is a new individual (e.g. newborn).
6. System finds individual is not found, but confirm flag is set to Y.
7. System creates a pending individual record for manual processing.



Refer to *Appendix A* – Individual Not Found example response.

6.4 Encounter has Pended Episodes

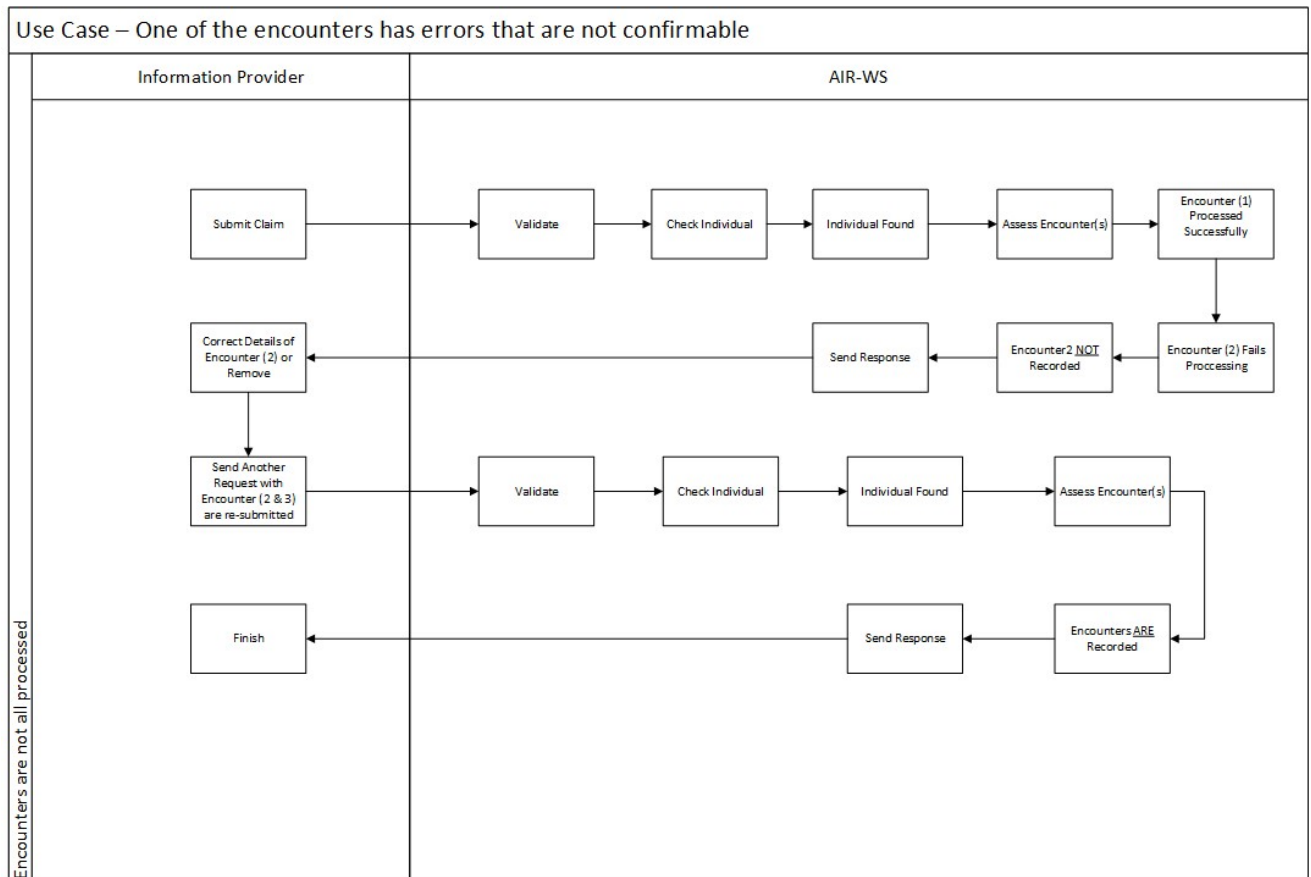
1. Provider submits a claim request.
2. Preliminary Validation passed.
3. Individual is found.
4. Encounters are processed according to immunisation assessing rules.
5. Encounter (1) contains pended episodes.
6. Encounter (2) is recorded successfully
7. Encounter (1) is not recorded.
8. A response is sent back to the provider stating that the Encounter (1) has pended episodes, asking them to either correct the episode details or confirm and accept that Encounter (1) has not met assessment rules.
9. The provider sends another request with a confirm flag within Encounter (1). The confirm flag shows that they have understood and accept the Encounter has not met the assessment rules. Encounter (2) is not sent in this confirmation request as it is already recorded.
10. The system does an assessment again, but now with the confirm flag set, records Encounter (1) with the Pended episodes.
11. A success message is sent back to the Provider.



Refer to *Appendix A – Encounter has Pended Episodes* example responses.

6.5 One of the encounters has errors and is not confirmable

1. Provider submits a claim with 3 encounters.
2. All encounters pass preliminary validation.
3. Encounters are processed according to immunisation assessing rules.
4. Encounter 1 is successfully processed.
5. Encounter 2 has a duplicate vaccine and cannot be processed
6. Encounter 3 is not processed and a status code of AIR-E-1046 is returned
7. Provider either corrects encounter 2 or removes it from request.
8. Provider submits claims again, without Encounter 1 (already processed)
9. All encounters are successfully processed.



Refer to *Appendix A – One Encounter Recorded, other is NOT confirmable* example response.

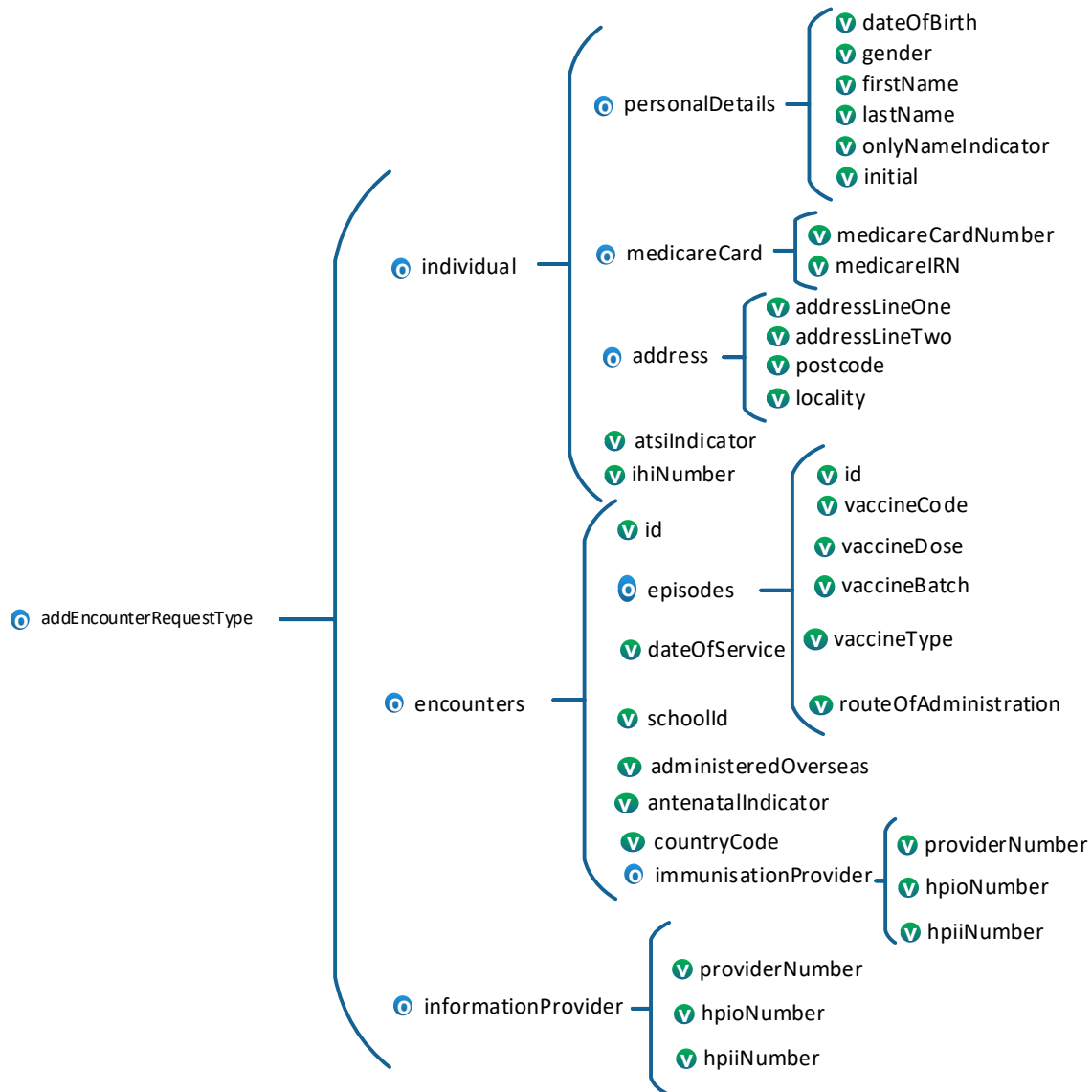
7 Record Encounter Request Details

7.1 Add Encounter Request – Data Structure

The add encounter request data structure consists of:

- AddEncounterRequestType
 - individual (IndividualIdentifierType)
 - personalDetails (PersonalDetailsType)
 - dateOfBirth
 - gender
 - firstName
 - lastName
 - initial
 - onlyNameIndicator
 - medicareCard (MedicareCardType)
 - medicareCardNumber
 - medicareIRN
 - address (AddressType)
 - addressLineOne
 - addressLineTwo
 - postCode
 - locality
 - atsiIndicator
 - ihiNumber
 - encounters (EncounterType)
 - id
 - episodes (EpisodesType)
 - id
 - vaccineCode
 - vaccineDose
 - vaccineBatch
 - vaccineType
 - routeOfAdministration
 - dateOfService
 - immunisationProvider (ProviderIdentifierType)
 - providerNumber
 - hpioNumber
 - hpilNumber
 - schoolid
 - administeredOverseas
 - countryCode
 - antenatalIndicator
 - informationProvider (ProviderIdentifierType)
 - providerNumber
 - hpioNumber
 - hpilNumber

7.2 Add Encounter Request – Data Structure Diagram



Key: O = Object V = Value

Please note: Diagram is updated to remove vaccineSerialNumber, include antenatalIndicator and update vaccineType

7.3 Incoming HTTP Headers

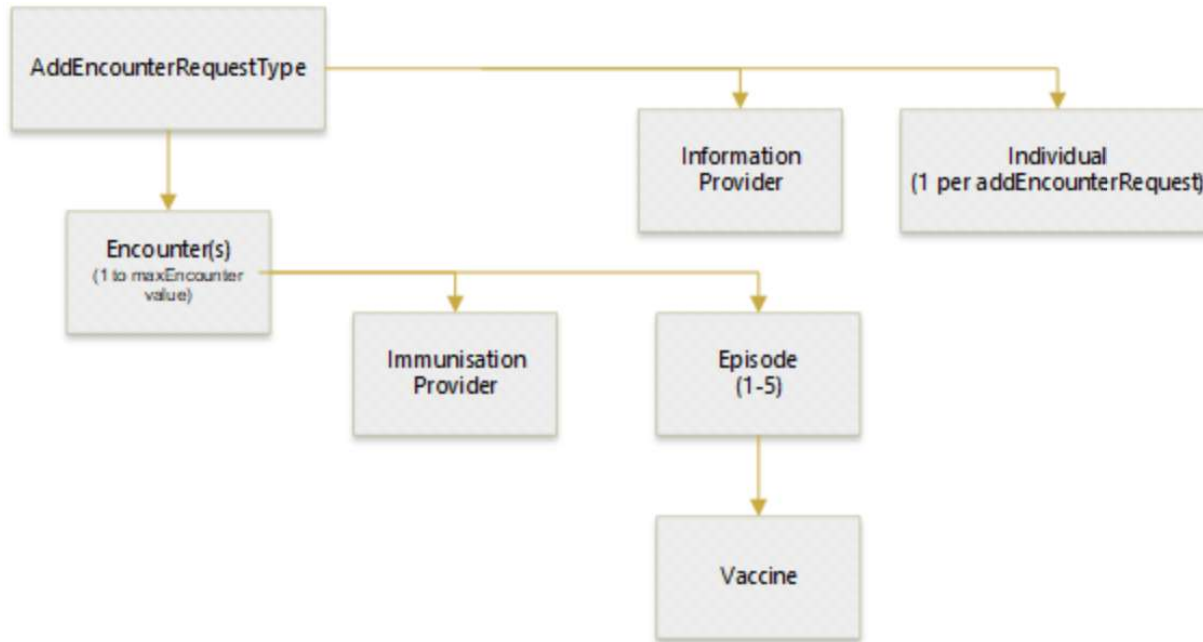
Refer to *AIR Web Services Common Rules (TECH.SIS.AIR.01)* for HTTP headers.

7.4 Add Encounter Structure Diagram

The maxEncounter value is a configurable value. Validation message will confirm maximum allowable value.

The maxEncounter value is currently set at 10.

Simple claim structure:



7.5 Request - Minimum identification Requirements for an Individual

The AIR system will accept the following scenarios and thus, the minimum requirements for an Individual to be accurately identified by AIR REST services are:

Type	Field Name	Scenario 1	Scenario 2	Scenario 3	Scenario 4
MedicareCardType	medicareCardNumber	X			
	medicareIRN				
PersonalDetailsType	dateOfBirth	X	X	X	X
SearchAddressType	postCode		X		X
PersonalDetailsType	lastName	X	X	X	X
	firstName		X	X	
Individual Healthcare Identifier	ihiNumber			X	
PersonalDetailsType	onlyNameIndicator				X

The AIR system will prioritise field matching in the order Scenario 1, 2, 3 then 4. When all fields are provided, other fields will be disregarded once the minimum fields for a scenario have successfully matched an individual. For example, if all fields are provided and a unique match for an individual is found using the minimum fields in Scenario 1, then medicareIRN, postCode, firstName and ihiNumber will be disregarded.

Note: It is highly recommended that all available information for an individual is submitted. This should include a combination of an individual's Medicare card or IHI number and their personal details are submitted together as per Scenario 1 and Scenario 3. For Scenario 2, postCode is only used in the AIR system when more than one individual has been matched with the same firstName, lastName and dateOfBirth. Scenario 4 can be used when the individual only has one name (no firstName including if their firstName = ONLYNAME on the AIR).

Error message **AIR-E-1026** "Individual information provided is insufficient" will be returned if these requirements are not met.

7.6 Add Encounter Request – Data Elements and Field Validations

For simple format type validation, AIR-WS will return up to 5 errors at a time. Validation errors that essentially result in not being able to further processing, e.g. provider number not found, may be returned individually.

It is a requirement that error messages are displayed to the end user as supplied by the agency, and not truncated, transformed or changed in any way. This will ensure that the correct message is received by the end user, as they may be updated at any time by the agency. Refer to the *AIR Message Code List User Guide*.

If there are assessment issues found, it will return an information object for each episode of the assessed encounter. These assessment issues are able to be accepted and confirmed by sending a confirm request.

For further details on YAML Validations and Data Conditionality Details, including date and time formats, refer to *AIR Common Rules (TECH.SIS.AIR.01)*.

Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
AddEncounterRequestType						

Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
ClaimId <i>AddEncounterRequestType claimId</i>	8	string	C	A unique claimId for each AddEncounterRequestType generated by the AIR system and sent in the response, thus making it available for a confirmation request if required.	Must be set, if this is a confirmation request for pended episodes within an encounter. Not required if this is a confirmation request for a new individual.	AIR-E-1033
					Must NOT be set unless this is a confirmation request.	AIR-E-1040

Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
					<p>If set, must be valid format:</p> <p>Format:</p> <p>WAAAAAA\$</p> <p>'AAAAAA' is a combination of six characters generated from set of digits, set of upper case alpha and set of special characters.</p> <p>Where A is 0,1,2,3,4,5,6,7,8,9,A,B,C,D,E,F,G ,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V, W,X,Y,Z,!, @, #, \$, =, *, _, +, -,</p> <p>Note: Historically claimId was in a valid date format WyyMMdd\$</p> <p>\$ (dollar sign) appended, identifies the data as submitted through AIR-WS</p>	AIR-E-1016
IndividualIdentifierType						
Confirmation Flag <i>AddEncounterRequestType individual acceptAndConfirm</i>	1	A	O	This is for the subsequent request to confirm if a new individual is to be created after checking from the initial response.	<p>If set, format must be valid. Must be 'Y' or 'N'</p>	AIR-E-1016
					It is only valid to be set if the request contains an individual that is not matched in the AIR System.	AIR-E-1030

Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
					Only valid if no Medicare card details and/or Individual Healthcare Identifier are present in individual data element.	AIR-E-1031
PersonalDetailsType						

Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
IndividualDateOfBirth <i>AddEncounterRequestType individual personalDetails dateOfBirth</i>	8	D	C	The Individual's date of birth.	Must be valid format.	AIR-E-1016
					Must be valid date.	AIR-E-1017
					Must not be in the future.	AIR-E-1018
					Must not be more than 130 years in the past.	AIR-E-1019
IndividualGender <i>AddEncounterRequestType individual personalDetails gender</i>	1	A	C	The Individual's gender.	If set, must be a valid value. Values F = Female M = Male X = Non-binary	AIR-E-1017
IndividualFirstName <i>AddEncounterRequestType individual personalDetails firstName</i>	1-40	ANS	C	The Individual's first name. Middle/second name of the individual.	If included, the IndividualFirstName should only contain alpha, numeric, apostrophe, space and hyphen characters. Note: Spaces must not appear immediately before or after apostrophes and hyphens.	AIR-E-1016
IndividualLastName <i>AddEncounterRequestType individual personalDetails lastName</i>	1-40	ANS	C	The Individual's last name.	The IndividualLastName should only contain alpha, numeric, apostrophe, space and hyphen characters. Note: Spaces must not appear immediately before or after apostrophes and hyphens.	AIR-E-1016

Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
IndividualOnlyNameIndicator <i>AddEncounterRequestType</i> <i>individual</i> <i>personalDetails</i> <i>onlyNameIndicator</i>	N/A	B	O	Indicates the individual only has one name.	Boolean type. Valid values are 'true' or 'false'.	N/A
					If onlyNameIndicator is 'true' then firstName and/or initial should not be supplied.	AIR-E-1082
IndividualInitial <i>AddEncounterRequestType</i> <i>individual</i> <i>personalDetails</i> <i>initial</i>	1	A	O	The Individual's middle initial.	If included, initial should only be a single alpha character.	AIR-E-1016
MedicareCardType						

Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
IndividualMedicareCardNumber First 9 digits <i>AddEncounterRequestType</i> <i>individual</i> <i>medicareCard</i> <i>medicareCardNumber</i>	10	N	C	The Individual's Medicare card number.	If set, must be a valid format Format: Must conform to the Medicare card number format. <ul style="list-style-type: none">• 9 numeric• 1 card issue number	AIR-E-1016
					Must be set if IndividualReferenceNumber is set	AIR-E-1020
IndividualReferenceNumber <i>AddEncounterRequestType</i> <i>individual</i> <i>medicareCard</i> <i>medicareIRN</i>	1	N	C	The Individual's Medicare Reference Number appears to the left of the patients name on their Medicare card.	Cannot be set to 0.	AIR-E-1017
					If set, must be a valid format.	AIR-E-1016
AddressType						

Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
IndividualAddressLineOne <i>AddEncounterRequestType individual address addressLineOne</i>	1-40	ANS	C	First line of the Individual's address.	If set, must be valid format. Should only contain alpha, numeric, apostrophe, space and hyphen characters. Note: Spaces must not appear immediately before or after apostrophes and hyphens	AIR-E-1016
IndividualAddressLineTwo <i>AddEncounterRequestType individual address addressLineTwo</i>	1-40	ANS	C	Second line of the Individual's address.	If set, must be valid format. Should only contain alpha, numeric, apostrophe, space and hyphen characters. Note: Spaces must not appear immediately before or after apostrophes and hyphens	AIR-E-1016
					May only be set if line one of the address details is supplied (If IndividualAddressLineTwo is set, IndividualAddressLineOne must be set).	AIR-E-1037

Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
IndividualAddressPostcode <i>AddEncounterRequestType individual address postCode</i>	4	N	C	The postcode of the Individual's address.	Must be a valid postcode.	AIR-E-1043
IndividualAddressLocality <i>AddEncounterRequestType individual address locality</i>	1-40	ANS	C	The locality of the Individual's address.	Must be valid format.	AIR-E-1016
AtsilIndicator <i>AddEncounterRequestType individual atsilIndicator</i>	1	A	O	An indication of whether the individual receiving the immunisation is of Aboriginal or Torres Strait Islander descent (Indigenous indicator).	If set, must be a valid value Value: Y = Of Aboriginal or Torres Strait Descent N = Not of Aboriginal or Torres Strait Descent Only stored if it is supplied and it is a new individual.	AIR-E-1017

Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
ihiNumber <i>AddEncounterRequestType individual ihiNumber</i>	16	N	O	Identifies the healthcare identifier assigned to an individual who received the vaccination.	If set, must be 16 numeric characters	AIR-E-1016
EncounterType						
Encounter <i>AddEncounterRequestType encounters id</i>	1-10	N	M	Identifies the encounter/s within the request. This is the objectId assigned to the encounter when created.	Must be a valid value Format: NN All transmissions can be sent as a single encounter (one Individual, up to five episodes) or can be sent as multiple encounters (1- maxEncounter value) Encounters and up to five episodes for each encounter). @see section 7.4 for maxEncounter value	AIR-E-1017
					Must not be more than maxEncounter value of in the claim. @see section 7.4 for maxEncounter value	AIR-E-1013

Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
					Must be a valid sequential id commencing with 1.	AIR-E-1041
ClaimSequenceNumber <i>AddEncounterRequestType encounters claimSequenceNumber</i>	1-4	N	C	AIR system generated and returned in the response.	Must be set if claimId is set (confirmation request). Generated sequence, starting at 0 up to 9999	AIR-E-1034
					If set, must be valid format	AIR-E-1016
EpisodeType						

Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
Episode <i>AddEncounterRequestType</i> <i>encounters</i> <i>episodes</i> <i>id</i>	N/A	N	M	A unique identifier for the episode within the encounter request in sequential order.	Must be a valid value 1-5 episodes per encounter	AIR-E-1017
					Must be a valid sequential id commencing with 1.	AIR-E-1014
vaccineType <i>AddEncounterRequestType</i> <i>encounters</i> <i>episodes</i> <i>vaccineType</i>	0..3	C	String	Vaccine type provided in the request.	Must be one of the values below: NIP OTH Note: NIP – NIP/Commonwealth OTH - Other <i>Refer to Vaccine Code Formats User Guide</i>	AIR-E-1084

Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
					<p>Must be set if:</p> <ul style="list-style-type: none"> - date of immunisation is on or after 1 March 2024 and - vaccine code is listed in the AIR Vaccine Code Formats user guide, Section 2.6 - Vaccines Requiring Mandatory Vaccine Type list; and - administered by information provider <p><i>Refer to Vaccine Code Formats User Guide</i></p> <p>Note: vaccineType must display as 'Vaccine Type'</p>	AIR-E-1088
					Vaccine Type and Vaccine Code are not compatible	AIR-E-1086
Route of Administration AddEncounterRequestType <i>encounters</i> <i>episodes</i>	0..3	C	String	Route of administration provided in the request.		

Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
routeOfAdministration					<p>Must be one of the values below: PO SC ID IM NS</p> <p>Note: PO – Oral SC – Subcutaneous ID – Intradermal IM – Intramuscular NS – Nasal</p> <p><i>Refer to Vaccine Code Formats User Guide</i></p>	AIR-E-1085
					<p>Must be set if: - date of immunisation is on or after 1 March 2024 and - vaccine code is listed in the AIR Vaccine Code Formats User guide, Section 2.7 - Vaccines Requiring Mandatory Route of Administration; and - administered by information provider</p> <p><i>Refer to Vaccine Code Formats User Guide</i></p>	AIR-E-1088

Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
					Route of Administration and Vaccine Code are not compatible	AIR-E-1087
VaccineCode <i>AddEncounterRequestType</i> <i>encounters</i> <i>episodes</i> <i>vaccineCode</i>	1-6	AN	M	Vaccine code of the submitted vaccine.	Must be a valid format. Format: Alpha, numeric characters <i>Refer to Vaccine Code Formats User Guide</i>	AIR-E-1016
					Must be a valid vaccine code. <i>Refer to Vaccine Code Formats User Guide</i> If vaccineCode is blank (with a space); OR does not match a valid vaccine code.	AIR-E-1023

Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
VaccineDose <i>AddEncounterRequestType</i> <i>encounters</i> <i>episodes</i> <i>vaccineDose</i>	1-3	AN	M	Dose value of the submitted vaccine.	Must be a valid vaccine dose <i>Refer to Vaccine Code Formats User Guide</i> Format: Alpha, numeric characters Valid values are 'B', or '1' to '20' ¹ . If vaccineDose is blank (with a space) OR does not have valid dose value	AIR-E-1024

¹ **vaccineDose – Request**

B = Birth dose

1 to 20 = dose number

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Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
VaccineBatchNumber <i>AddEncounterRequestType</i> <i>encounters</i> <i>episodes</i> <i>vaccineBatch</i>	1-15	AN	C	The batch number associated with the vaccine administered.	Format: Alpha, Numeric characters. <i>Refer to Vaccine Code Formats User Guide</i>	AIR-E-1016
					<i>Refer to Vaccine Code Formats User Guide</i>	AIR-E-1081
DateOfImmunisation <i>AddEncounterRequestType</i> <i>encounters</i> <i>dateOfService</i>	8	D	M	The date on which the Individual received the immunisation. Note the terms "Date of Service" (DOS) and "Date of Immunisation" are interchangeable.	Must be after Individual's date of birth.	AIR-E-1015
					Cannot be a future date.	AIR-E-1018
					Prior to Jan 1 1996.	AIR-E-1022
ImmunisationProviderNumber <i>AddEncounterRequestType</i> <i>encounters</i>	6-8	AN	O	The Medicare provider or AIR provider number (as allocated by Services Australia) of the	If set, must be valid format	AIR-E-1016

<i>immunisationProvider providerNumber</i>				<p>provider or body who administered the immunisation.</p>	<p>Format:</p> <p>The Medicare Provider Number is comprised of:</p> <ul style="list-style-type: none"> • Provider Stem - a 6-digit number. • 1 Practice Location Character (PLV) • 1 Check Digit <p>(If less than 8 characters the numeric component will be filled with leading zeros prior to validation)</p> <p>OR</p> <p>AIR Provider Number</p> <ul style="list-style-type: none"> • State code – alpha in UPPERCASE • 5 digit number • Alpha in UPPERCASE check digit • 'blank' <p>Must be provided unless the encounter was given by another/unknown provider within Australia. In this case, the AIR system defaults a generic history provider number to reflect an unknown provider was involved. This is not the information provider number in the add encounter request.</p>	<p>AIR-E-1017</p>
					<p>If set, Immunisation provider number must exist and be current at the date of service (DOS) in the AIR System.</p>	<p>AIR-E-1028</p>

Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
hpioNumber <i>AddEncounterRequestType encounters immunisationProvider hpioNumber</i>	16	N	O	Identifies the healthcare identifier assigned to a healthcare provider organisation who administered the immunisation.	Must be 16 numeric characters.	AIR-E-1016
hpiiNumber <i>AddEncounterRequestType encounters immunisationProvider hpiiNumber</i>	16	N	O	Identifies the healthcare identifier assigned to an individual healthcare provider who administered the immunisation.	Must be 16 numeric characters.	AIR-E-1016
SchoolId <i>AddEncounterRequestType encounters schoolId</i>	1-9	N	O	The unique ID of school where vaccine was administered.	Must be a valid format.	AIR-E-1016
					Must be a valid school id.	AIR-E-1027

Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
AdministeredOverseas <i>AddEncounterRequestType encounters administeredOverseas</i>	N/A	B	O	Identifies the vaccination was given overseas.	Boolean type. Valid values are 'true' or 'false'.	N/A
					Cannot be true if you have provided a value for immunisation provider object (object includes provider number, HPID and HPIO)	AIR-E-1070
antenatalIndicator <i>addEncounterRequestType encounters antenatalIndicator</i>	N/A	B	C	Identifies if the individual was pregnant at the time of vaccination administered	Boolean type. Valid values are 'true' or 'false' Must be set if: - date of immunisation is on or after 1 March 2025, and - the individual is a female aged 10-65 inclusive. - vaccine code is listed in the AIR Vaccine Code Formats, Section 2.8 - Vaccines Requiring Mandatory Antenatal Indicator; and - administered by information provider <i>Refer to Vaccine Code Formats User Guide</i>	AIR-E-1089
Country Code <i>AddEncounterRequestType encounters countryCode</i>	3	string	C	Identifies the Country where the vaccine/s were administered.	Must be a valid ICAO country/region code <i>@see section 9.6 ICAO Country Codes</i>	AIR-E-1017
					Country/Region code is required when administeredOverseas is 'true'	AIR-E-1079

Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
					Country/Region code should not be supplied unless administered overseas.	AIR-E-1080
Confirmation Flag <i>AddEncounterRequestType encounters acceptAndConfirm</i>	1	A	C	This is for the subsequent request to confirm any pended episodes are to be created in the AIR system after checking from the initial response.	Format must be valid. Must be 'Y' or 'N'	AIR-E-1016
ProviderIdentifierType						

Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
InformationProviderNumber <i>AddEncounterRequestType informationProvider providerNumber</i>	6-8	AN	M	The Medicare provider or AIR provider number (as allocated by Services Australia) of the provider or body providing the immunisation data.	Must be valid format.	AIR-E-1016
					Format: The Medicare Provider Number is comprised of: <ul style="list-style-type: none"> • Provider Stem - a 6-digit number. • 1 Practice Location Character (PLV) • 1 Check Digit (If less than 8 characters the numeric component will be filled with leading zeros prior to validation.) OR The AIR Provider Number <ul style="list-style-type: none"> • State code – alpha in UPPERCASE • 5 digit number • Alpha in UPPERCASE check digit • 'blank' 	AIR-E-1017
					Provider number must exist and be current at the receipt date (<i>current date</i>) in the AIR System	AIR-E-1029

Element Alias Name <i>Schema Path</i>	Size	Type	Conditionality M/C/O/D	Element Description	Business Rules Data Element Validations Comments	Error codes
hpioNumber <i>AddEncounterRequestType informationProvider hpioNumber</i>	16	N	O	Identifies the healthcare identifier assigned to a healthcare provider organisation reporting the immunisation data.	Must be 16 numeric characters.	AIR-E-1016
hpiiNumber <i>AddEncounterRequestType informationProvider hpiiNumber</i>	16	N	O	Identifies the healthcare identifier assigned to an individual healthcare provider reporting the immunisation data.	Must be 16 numeric characters.	AIR-E-1016

Refer to *AIR Common Rules (TECH.SIS.AIR.01)* for format types

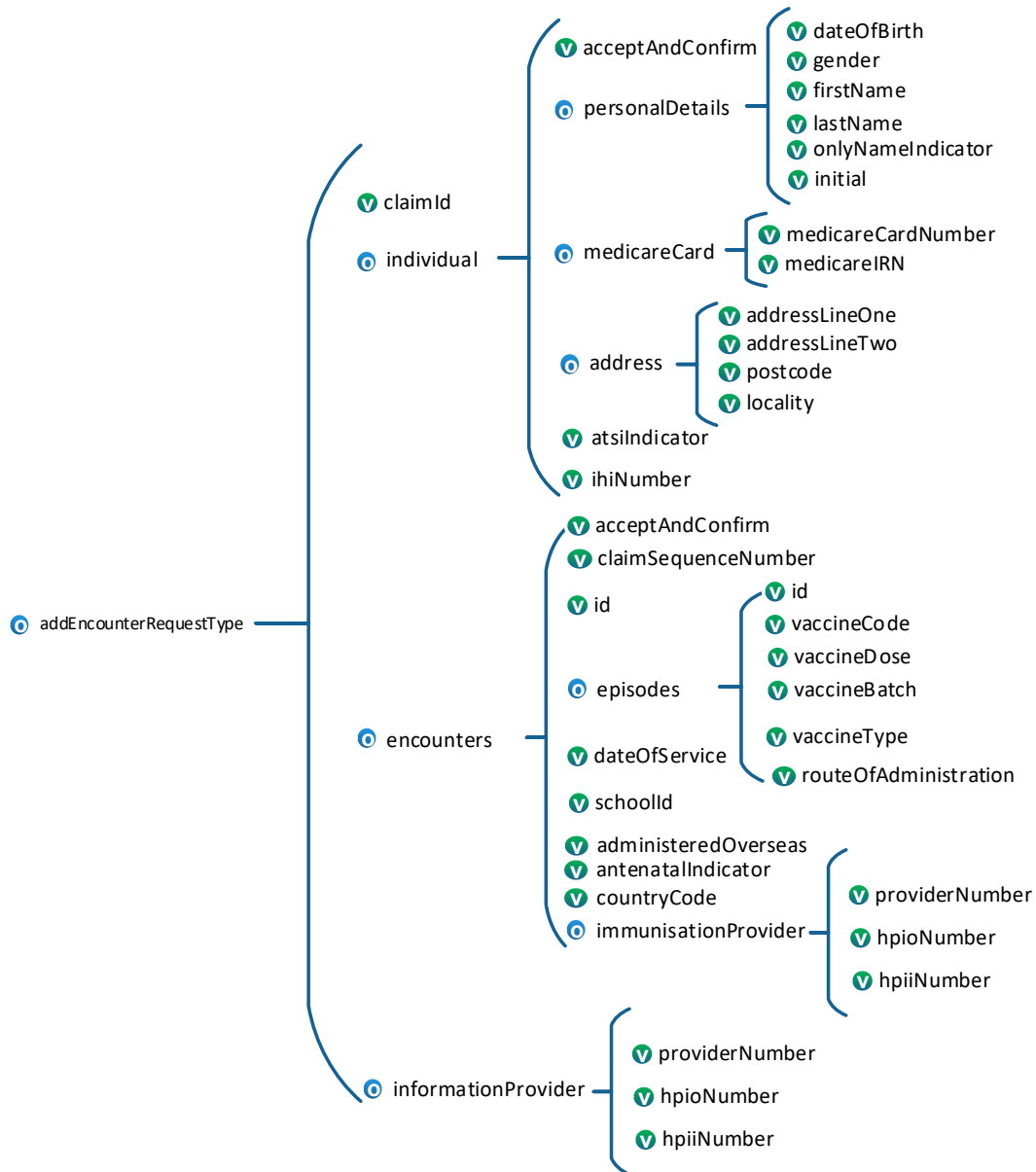
Record Encounter Confirm Request Details

7.7 Confirm Request – Data Structure

- AddEncounterRequestType
 - claimId
 - individual (IndividualIdentifierType)
 - acceptAndConfirm
 - personalDetails (PersonalDetailsType)
 - dateOfBirth
 - gender
 - firstName
 - lastName
 - onlyNameIndicator
 - initial
 - medicareCard (MedicareCardType)
 - medicareCardNumber
 - medicareIRN
 - address (AddressType)
 - addressLineOne
 - addressLineTwo
 - postCode
 - locality
 - atsiIndicator
 - ihiNumber
 - encounters (EncounterType)
 - acceptAndConfirm
 - id
 - dateOfService
 - claimSequenceNumber
 - episodes (EpisodeType)
 - Id
 - vaccineCode
 - vaccineDose
 - vaccineBatch
 - vaccineSerialNumber
 - vaccineType
 - routeOfAdministration
 - immunisationProvider (ProviderIdentifierType)
 - providerNumber
 - hpioNumber
 - hpiiNumber
 - schoolId
 - administeredOverseas
 - countryCode
 - antenatalIndicator
 - informationProvider (ProviderIdentifierType)
 - providerNumber
 - hpioNumber

- hpIINumber

7.8 Confirm Request – Data Structure Diagram



Key: ○ = Object V = Value

Please note: Diagram updated to remove vaccineSerialNumber, include antenatalIndicator and update vaccineType

7.9 Confirm Request – Data Validations

Confirmation of Individual not found or pended Episodes
Confirmation of new Individual If the Individual does not exist, the WS-Client will be required to send the request with the <i>acceptAndConfirm</i> , set to 'Y' to confirm the information is correct and they wish to create a new individual. Along with firstName, lastName, dateOfBirth, gender, addressLineOne, locality and postCode are required. @see 7.10 Other Validation Note: Address details required for new individuals will <u>only</u> be validated on the confirmation of a new individual.
Pended Episodes within Encounter If an episode is pended within an Encounter the whole encounter will <u>not</u> be recorded. In this scenario, as described in the Workflow process diagram, the WS-Client software will have to send a subsequent request confirming they accept the pended record. This will be sent as the <i>acceptAndConfirm</i> flag within the encounter. Along with claimId and claimSequenceNumber from the initial response.

7.10 Other Validation

Cross Reference Validation and Data related Process	Response Code
Check for duplicate vaccination services already in AIR system.	AIR-E-0102
Individual does not exist in AIR A combination of Individual data (see minimum requirements) will be checked against the AIR System to validate whether the Individual exists. If individual does not exist an error will be returned unless the confirm flag is set.	AIR-W-1004
Confirmation request for a new individual For confirmation of a new individual, the following information is required, first name, last name, date of birth, gender, address line one, locality and postcode are required.	AIR-E-1042
Individual has restrictions in AIR If the individual has certain restrictions on their record in the AIR system	AIR-E-1058
Individual is not current in AIR If the immunisation date {dateOfService} is after an individual's AIR registration not current date	AIR-E-1044
Provider authorisations in AIR For provider authorisation rules for this service refer to <i>AIR API Authorisation (TECH.SIS.04)</i>	AIR-E-1039 AIR-E-1063

8 Record Encounter Response Details

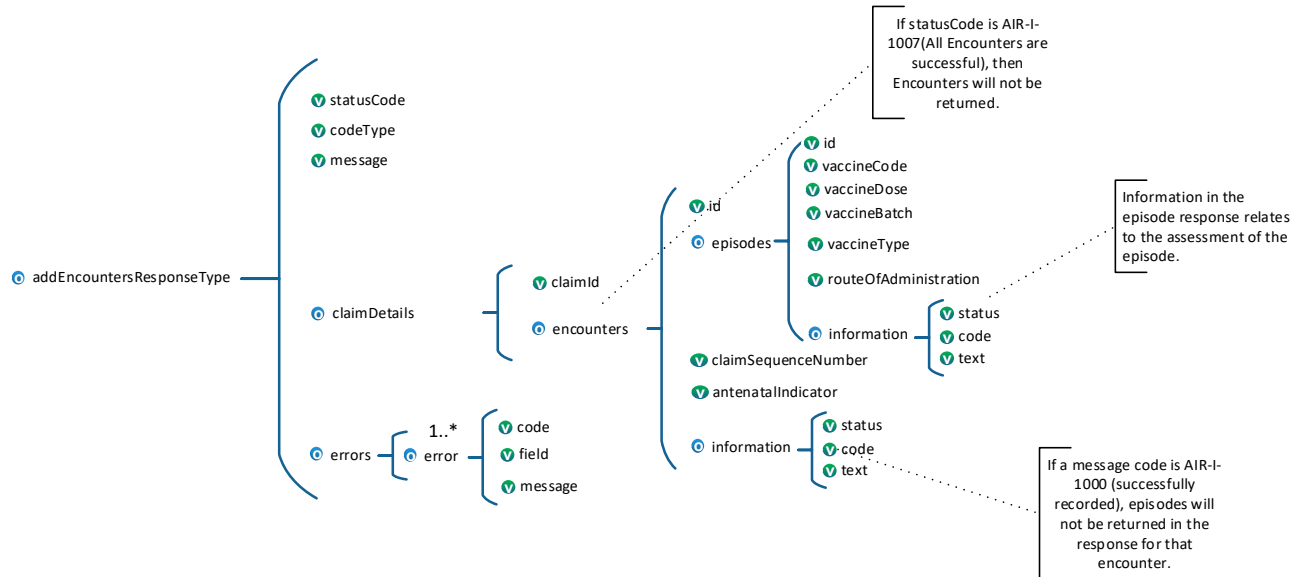
8.1 Add Encounter Response – Data Structure

AIR-WS REST Service follows the below response structure in general, however, please note that some fields are mutually exclusive. For example, if there is an error, then **claimDetails** will not be displayed and vice versa. The only exception to this rule is statusCode **AIR-E-1046**, see use case 6.5. In addition, the response will have a slightly different structure, based on each scenario.

The add encounter response data structure consists of:

- AddEncounterResponseType
 - statusCode
 - codeType
 - message
 - claimDetails (ClaimDetailsResponseType)
 - claimId
 - encounters (EncounterResponseType)
 - id
 - episodes (EpisodeResponseType)
 - id
 - vaccineCode
 - vaccineDose
 - vaccineBatch
 - vaccineType
 - routeOfAdministration
 - information (InformationType)
 - status
 - code (YAML incorrectly states messageCode)
 - text (YAML incorrectly states messageText)
 - antenatalIndicator
 - claimSequenceNumber
 - information (InformationType)
 - status
 - code (YAML incorrectly states messageCode)
 - text (YAML incorrectly states messageText)
 - errors (ErrorMessageType)
 - 1..*Error
 - code
 - field
 - message

8.2 Add Encounter Response – Data Structure Diagram



Key: O = Object V = Value

Please note: Diagram is updated to include antenatalIndicator, update vaccineType and remove vaccineSerialNumber

8.3 Add Encounter Response – Data Elements and Field Validations

Element Alias Name <i>Schema Path</i> Description	Size	Conditionality O/C/M/D	Format Type	Business Rules Data Element Validations Comments
AddEncounterResponseType				
Status Code <i>AddEncounterResponseType statusCode</i> The status code.	10	C	AN	The information/error code associated with this message. @see 9.3 <i>Status Response Codes</i> table for codes at claim level. This determines whether the request was successful or in error. If there are no errors (not statusCode AIR-E-1005/AIR-E-1006), then claimDetails will appear. If there are errors (AIR-E-1005/AIR-E-1006) the errors element will show, never both. The exception to this rule is if statusCode AIR-E-1046 is returned. In this case the claimDetails will be returned. @see Error Format in the <i>AIR Web Services Common Rules (TECH.SIS.AIR.01)</i> for details.
Status Code Type <i>AddEncounterResponseType codeType</i> The status code type.	1-6	C	AN	The code type associated with this message (e.g. a response with business validation errors would be AIREBU). @see Error Format in the <i>AIR Web Services Common Rules (TECH.SIS.AIR.01)</i> for details.
Status Message <i>AddEncounterResponseType message</i> The status message.	1-255	C	AN	The message associated with this error code. @see Error Format in the <i>AIR Web Services Common Rules (TECH.SIS.AIR.01)</i> for details. @see 9.3 <i>Status Response Codes</i> table for messages at Claim level associated with status code.
ClaimDetailsResponseType				

Element Alias Name <i>Schema Path</i> Description	Size	Conditionality O/C/M/D	Format Type	Business Rules Data Element Validations Comments
ClaimId <i>AddEncounterResponseType</i> <i>claimDetails</i> <i>claimId</i> unique claimId for each AddEncounterRequestType generated by the AIR system and sent in the response, thus making it available for a confirmation request if required.	8	M	string	A unique claimId for each AddEncounterRequestType generated by the AIR system. Format: WAAAAAA\$ 'AAAAAA' is a random combination of six characters generated from set of digits, set of upper case alpha and set of special characters. Where A is 0,1,2,3,4,5,6,7,8,9, A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q, R,S,T,U,V,W,X,Y,Z,!, @, #, \$, =, *, _, +, -, Note: Historically claimId was in a valid date format WyyMMdd\$ \$ (dollar sign) appended, identifies the data as submitted through AIR-WS
EncounterResponseType				
Encounter Response Id <i>AddEncounterResponseType</i> <i>claimDetails</i> <i>encounters</i> <i>id</i> The encounter response id.	N/A	C	AN	The encounter id is the index of the encounter within the claim. This will match the id given in the initial request, enabling errors to be matched with the encounter in the request.
ClaimIdSequence <i>AddEncounterResponseType</i> <i>claimDetails</i> <i>encounters</i> <i>claimSequenceNumber</i> AIR system generated and returned in the response.	1-4	C	N	The sequence as generated by the AIR system.
InformationType (encounters)				

Element Alias Name <i>Schema Path</i> Description	Size	Conditionality O/C/M/D	Format Type	Business Rules Data Element Validations Comments
Status <i>AddEncounterResponseType</i> <i>claimDetails</i> <i>encounters</i> <i>information</i> <i>status</i> The information status.	1-20	C	AN	The status can be one of four values. @see the <i>Information Status Reference</i> table.
Message Code <i>AddEncounterResponseType</i> <i>claimDetails</i> <i>encounters</i> <i>information</i> <i>code (YAML incorrectly states</i> <i>messageCode)</i> The information message code.	1-10	C	AN	The message code associated with this message. This can either be information or Response code. This message code must have a corresponding message text.
Message Text <i>AddEncounterResponseType</i> <i>claimDetails</i> <i>encounters</i> <i>information</i> <i>text (YAML incorrectly states</i> <i>messageText)</i> The information message text.	1-255	C	AN	The message content associated with this message. This can either be information or error information. This message must match the definition of text given for each message code.
EpisodeResponseType				
Episode Response Id <i>AddEncounterResponseType</i> <i>claimDetails</i> <i>encounters</i> <i>episodes</i> <i>id</i> The episode response id.	N/A	C	AN	The episode id is the index of the episode within the encounter. This will match the id given in the initial request, enabling errors to be matched with the episode in the request.

Element Alias Name <i>Schema Path</i> Description	Size	Conditionality O/C/M/D	Format Type	Business Rules Data Element Validations Comments
Episode Response Vaccine Code <i>AddEncounterResponseType</i> <i>claimDetails</i> <i>encounters</i> <i>episodes</i> <i>vaccineCode</i> The episode vaccine code.	1-6	C	AN	The episode vaccine code provided in request. <i>Refer to Vaccine Code Formats User Guide.</i>
Episode Response Vaccine Dose <i>AddEncounterResponseType</i> <i>claimDetails</i> <i>encounters</i> <i>episodes</i> <i>vaccineDose</i> The episode vaccine dose.	1-3	C	AN	Dose value of the submitted vaccine. Examples are 'B', '1', '2' or 'V' ² . If the WS-Client is required to confirm a dosage adjustment, they would have to provide the dosage that is returned here in the response For example – If an individual is aged >20 years, the dose value in the response is adjusted and returned as 'V' (refer to footnote)
Episode Response Vaccine Batch <i>AddEncounterResponseType</i> <i>claimDetails</i> <i>encounters</i> <i>episodes</i> <i>vaccineBatch</i> The episode vaccine batch number.	1-15	C	AN	The episode vaccine batch number provided in the request.
Episode Response Vaccine Type Code <i>AddEncounterResponseType</i> <i>encounters</i> <i>episodes</i> <i>vaccineType</i>	0..3	C	String	Vaccine type provided in the request. Note: vaccineType must display as 'Vaccine Type'

² **vaccineDose – Response**

B = Birth dose

1 to 20 = dose number for an individual < 20 years

V = dose number adjusted for an individual > 20 years

Element Alias Name <i>Schema Path</i> Description	Size	Conditionality O/C/M/D	Format Type	Business Rules Data Element Validations Comments
Episode Response Route of Administration <i>AddEncounterResponseType</i> <i>encounters</i> <i>episodes</i> <i>routeOfAdministration</i>	0..3	C	String	Route of administration provided in the request.
Encounter Response Antenatal Indicator <i>AddEncounterResponseType</i> <i>claimDetails</i> <i>encounters</i> <i>antenatalIndicator</i>	N/A	C	B	The antenatal indicator provided in the request.
InformationType (episodes)				
Status <i>AddEncounterResponseType</i> <i>claimDetails</i> <i>encounters</i> <i>episodes</i> <i>information</i> <i>status</i> The information status.	1-20	C	AN	The status can be one of four values. @see the <i>Information Status Reference</i> table.
Message Code <i>AddEncounterResponseType</i> <i>claimDetails</i> <i>encounters</i> <i>episodes</i> <i>information</i> <i>code (YAML incorrectly states messageCode)</i> The information message code.	1-10	C	AN	The message code associated with this message. This can either be information or Response code. This message code must have a corresponding message text.
Message Text <i>AddEncounterResponseType</i> <i>claimDetails</i> <i>encounters</i> <i>episodes</i> <i>information</i> <i>text (YAML incorrectly states messageText)</i> The information message text.	1-255	C	AN	The message content associated with this message. This can either be information or error information. This message must match the definition of text given for each message code.
ErrorMessageType				

Element Alias Name <i>Schema Path</i> Description	Size	Conditionality O/C/M/D	Format Type	Business Rules Data Element Validations Comments
Error Code <i>AddEncounterResponseType</i> <i>errors</i> <i>error</i> <i>code</i> The error code.	10 YAML incorrectly states 4	C	AN	The error code associated with this message. This value will be one of the status response codes. @see Error Format in the <i>AIR Web Services Common Rules (TECH.SIS.AIR.01)</i> for details.
Error Field <i>AddEncounterResponseType</i> <i>errors</i> <i>error</i> <i>field</i> The error field.	N/A	C	AN	The error field associated with this message. @see Error Format in the <i>AIR Web Services Common Rules (TECH.SIS.AIR.01)</i> for details.
Error Message <i>AddEncounterResponseType</i> <i>errors</i> <i>error</i> <i>message</i> The error message.	1-255	C	AN	The message text associated with this error. This value will be the message associated with one of the status response codes. @see Error Format in the <i>AIR Web Services Common Rules (TECH.SIS.AIR.01)</i> for details.

9 Code References

9.1 Information Status Reference

These statuses only apply to the Information type at Encounter and Episode level, not status code at claim response level.

Value	Description
SUCCESS	Used at the Encounter level. This will be associated with an Encounter being recorded successfully.
WARNING	Used at the Encounter level. This will be associated with an Encounter being <u>NOT</u> recorded successfully.
VALID	Used at Episode level. This is associated with the episode being valid, internal status of 'A'. Accepted.
INVALID	Used at Episode level. This is associated with the episode being valid, internal <u>NOT</u> a status of 'A'. Accepted.

9.2 AIR-WS Message Codes

Message Codes	Message Text	Status	Response Level
AIR-I-1000	Encounter was successfully recorded.	SUCCESS	Encounter
AIR-W-1001	Encounter was NOT successfully recorded. Correct the details or submit confirmation accepting episode(s) status.	WARNING	Encounter
AIR-I-1002	Vaccine was valid.	VALID	Episode
AIR-I-1003	Dosage was adjusted to {dose}.	VALID	Episode

9.3 Status Response Codes

Status Response Codes	Message	Code Type	Response Level
AIR-W-1004	Individual was not found. Correct the individual details or confirm and accept individual details are correct.	AIRWBU	Claim
AIR-E-1005	The request contains validation errors.	AIREBU	Claim
AIR-E-1006	An unexpected error has occurred. Please try again shortly. If the problem persists, take a screenshot of the error and email it to: AIR.INTERNET.HELPDESK@servicesaustralia.gov.au with a description of what you were doing at the time the error occurred.	AIREBU	Claim
	All encounter(s) were successfully recorded.	AIRIBU	Claim

AIR-I-1007			
AIR-W-1008	There are encounter(s) that were not successfully recorded. Correct the details or submit confirmation accepting episode(s) status.	AIRWBU	Claim
AIR-E-1046	There are encounter(s) that were not successfully recorded. Correct the details and submit for processing again or remove the invalid encounter(s).	AIREBU	Claim

Note: If AIR-E-1006 is returned an error identifier will be appended. For more information, refer to *ErrorMessageType* in *AIR Common Rules (TECH.SIS.AIR.01)*

9.4 AIR-WS Response Codes

This is the upfront validation done by AIR-WS. This mainly covers validation such as format or value being set, but can also contain validation such as checking the number of encounters in the request.

Return Codes	Message
AIR-E-1013	The maximum number of encounters has been exceeded.
AIR-E-1014	An error was detected with the episode sequencing. The sequence numbers must begin with 1 and increment by one as each episode is added.
AIR-E-1015	Date of Service must be after individual's Date of Birth.
AIR-E-1016	Invalid format for field {0}, for data item with value {1}.
AIR-E-1017	Invalid value {0} for field {1}. The data element does not comply with the values permitted or has failed a check digit check.
AIR-E-1018	Date field {0} with value {1} is in future. The date supplied must not be in the future.
AIR-E-1019	Date field {0} with value {1} is more than 130 years in the past.
AIR-E-1020	Individual's Medicare card number must be supplied if IRN is set.
AIR-E-1021	Immunising Provider Number must be supplied.
AIR-E-1022	Date of Service is invalid.
AIR-E-1023	Vaccine code is invalid.
AIR-E-1024	Vaccine dose is invalid.

AIR-E-1025	Encounter has more than one episode with an equivalent vaccine.
AIR-E-1026	Individual information provided is insufficient.
AIR-E-1027	School Id is invalid.
AIR-E-1028	Immunisation Provider number must exist and be current at the date of service in the AIR System.
AIR-E-1029	Information Provider number must exist and be current at the date of submission in the AIR System.
AIR-E-1030	Invalid Confirmation flag is set but individual has been matched.
AIR-E-1031	Invalid Confirmation flag is set but individual's Medicare Card details and/or Individual Healthcare Identifier have been provided.
AIR-E-1033	Claim Id must be set if this is a confirmation request.
AIR-E-1034	Claim sequence must be set if Claim Id is set.
AIR-E-1035	Individual not found.
AIR-E-1036	Postcode and Locality combination must be valid.
AIR-E-1037	Address Line Two can only be set if Address Line One is provided.
AIR-E-1039	Minor Id: {dhs-auditId} is not authorised to perform this action for Information Provider {informationProviderNumber}.
AIR-E-1040	Claim Id must NOT be set unless this is a confirmation request.
AIR-E-1041	An error was detected with the Encounter sequencing. The sequence numbers must begin with 1 and increment by one as each Encounter is added.
AIR-E-1042	For confirmation of a new individual, the following information is required, first name or onlyNameIndicator (including if their first name is ONLYNAME on the AIR) last name, date of birth, gender, address line one, locality and postcode are required.
AIR-E-1043	Postcode {0} is not a valid postcode.

Return Codes	Message
AIR-E-1058	This individual's record cannot be viewed or updated at this time.
AIR-E-1063	Information provider {informationProviderNumber} is not authorised to use this service.
AIR-E-1070	Immunisation provider details should not be supplied for encounters administered overseas.
AIR-E-1079	Country/Region code is required when administeredOverseas is 'true'
AIR-E-1080	Country/Region code should not be supplied unless administered overseas.
AIR-E-1081	Batch number is mandatory for {0} vaccines.
AIR-E-1082	{0} should not be supplied if {1} is 'true'
AIR-E-1084	Invalid code for Vaccine type.
AIR-E-1085	Invalid code for Route of administration.
AIR-E-1086	The values supplied for Vaccine type and Vaccine code are not compatible.
AIR-E-1087	The values supplied for Route of administration and Vaccine code are not compatible.
AIR-E-1088	{0} is mandatory for {1} vaccines. {0} = field name {1} = supplied vaccine code
AIR-E-1089	Antenatal indicator is mandatory for this encounter.

9.5 Assessment Reason Codes

These validation reason codes are generated by the Immunisation Assessment Process. This process will check against the individual's existing immunisation history.

The assessment codes and messages will be returned inside the episode information object.

Note: Some of these validation reason codes will be covered by the AIR-WS response codes and therefore, not all will be applicable to this service.

Reason Code	Code explanation text
AIR-W-0077	Antenatal value may not be valid for this individual. This message is displayed if: <ul style="list-style-type: none"> antenatalIndicator = Y, and the individual is not a female gender or is outside the age range of 10-65 inclusive
AIR-W-0100	Antigen has been administered under the minimum required age
AIR-W-0101	Minimum interval between doses of the same antigen is not met
AIR-W-0102	Duplicate antigen dose
AIR-W-0103	Duplicate antigen dose
AIR-W-0104	Minimum interval between doses of the same antigen is not met
AIR-W-0105	Dose is greater than the maximum allowable dose
AIR-W-0106	Higher dose is already administered by the same provider
AIR-W-0107	Dose administered at greater than recommended schedule age
AIR-W-0108	Dose administered under the recommended schedule age
AIR-W-0109	Higher dose is already administered by a different provider
AIR-W-0110	Period between doses of the same antigen is less than 6 months
AIR-W-0111	Period between doses of the same antigen is less than 6 months
AIR-W-0112	Dose is greater than the maximum allowable dose
AIR-W-0113	Dose given at < schedule age 42 months
AIR-W-0114	Dose given at < schedule age 42 months
AIR-W-0115	Antigen has been administered under the minimum required age
AIR-W-0116	DTP dose 4 already given at < 42 months
AIR-W-0300	Duplicate – this service was previously reported by the same provider
AIR-W-0301	Duplicate – this service was previously reported by another provider
AIR-W-0303	Duplicate history form episode
AIR-W-0305	Greater than 5 episodes given on the same date of service
AIR-W-0334	HepB dose 3 should not be given at less than 15 weeks of age.
AIR-W-0400	Accept and submit to AIR

9.6 ICAO Country/Region Codes

The below is a list of (ICAO) approved country/region codes that are required to be submitted when the administeredOverseas flag is 'true'.

Country/Region Code	Country/Region Description
ZZZ	Unknown
AFG	Afghanistan
ALB	Albania
DZA	Algeria
ASM	American Samoa
AND	Andorra
AGO	Angola
AIA	Anguilla
ATA	Antarctica
ATG	Antigua and Barbuda
ARG	Argentina
ARM	Armenia
ABW	Aruba
AUS	Australia
AUT	Austria
AZE	Azerbaijan
BHS	Bahamas (the)
BHR	Bahrain
BGD	Bangladesh
BRB	Barbados
BLR	Belarus
BEL	Belgium
BLZ	Belize
BEN	Benin
BMU	Bermuda
BTN	Bhutan
BOL	Bolivia (Plurinational State of)
BIH	Bosnia and Herzegovina
BWA	Botswana
BVT	Bouvet Island
BRA	Brazil
IOT	British Indian Ocean Territory (the)
BRN	Brunei Darussalam
BGR	Bulgaria
BFA	Burkina Faso
BDI	Burundi
CPV	Cabo Verde
KHM	Cambodia
CMR	Cameroon
CAN	Canada
CYM	Cayman Islands (the)
CAF	Central African Republic (the)
TCD	Chad
CHL	Chile
CHN	China

CXR	Christmas Island
CCK	Cocos (Keeling) Islands (the)
COL	Colombia
COM	Comoros (the)
COD	Congo (the Democratic Republic of the)
COG	Congo (the)
COK	Cook Islands (the)
CRI	Costa Rica
HRV	Croatia
CUB	Cuba
CUW	Curacao
CYP	Cyprus
CZE	Czechia
CIV	Cote d'Ivoire
DNK	Denmark
DJI	Djibouti
DMA	Dominica
DOM	Dominican Republic (the)
ECU	Ecuador
EGY	Egypt
SLV	El Salvador
GNQ	Equatorial Guinea
ERI	Eritrea
EST	Estonia
SWZ	Eswatini
ETH	Ethiopia
FLK	Falkland Islands (the) [Malvinas]
FRO	Faroe Islands (the)
FJI	Fiji
FIN	Finland
FRA	France
GUF	French Guiana
PYF	French Polynesia
ATF	French Southern Territories (the)
GAB	Gabon
GMB	Gambia (the)
GEO	Georgia
DEU	Germany
GHA	Ghana
GIB	Gibraltar
GRC	Greece
GRL	Greenland
GRD	Grenada
GLP	Guadeloupe
GUM	Guam
GTM	Guatemala

GGY	Guernsey
GIN	Guinea
GNB	Guinea-Bissau
GUY	Guyana
HTI	Haiti
HMD	Heard Island and McDonald Islands
VAT	Holy See (the)
HND	Honduras
HKG	Hong Kong
HUN	Hungary
ISL	Iceland
IND	India
IDN	Indonesia
IRN	Iran (Islamic Republic of)
IRQ	Iraq
IRL	Ireland
IMN	Isle of Man
ISR	Israel
ITA	Italy
JAM	Jamaica
JPN	Japan
JEY	Jersey
JOR	Jordan
KAZ	Kazakhstan
KEN	Kenya
KIR	Kiribati
PRK	Korea (the Democratic People's Republic of)
KOR	Korea (the Republic of)
KWT	Kuwait
KGZ	Kyrgyzstan
LAO	Lao People's Democratic Republic (the)
LVA	Latvia
LBN	Lebanon
LSO	Lesotho
LBR	Liberia
LBY	Libya
LIE	Liechtenstein
LTU	Lithuania
LUX	Luxembourg
MAC	Macao
MDG	Madagascar
MWI	Malawi
MYS	Malaysia
MDV	Maldives
MLI	Mali
MLT	Malta

MHL	Marshall Islands (the)
MTQ	Martinique
MRT	Mauritania
MUS	Mauritius
MYT	Mayotte
MEX	Mexico
FSM	Micronesia (Federated States of)
MDA	Moldova (the Republic of)
MCO	Monaco
MNG	Mongolia
MNE	Montenegro
MSR	Montserrat
MAR	Morocco
MOZ	Mozambique
MMR	Myanmar
NAM	Namibia
NRU	Nauru
NPL	Nepal
NLD	Netherlands (the)
NCL	New Caledonia
NZL	New Zealand
NIC	Nicaragua
NER	Niger (the)
NGA	Nigeria
NIU	Niue
NFK	Norfolk Island
MKD	North Macedonia
MNP	Northern Mariana Islands (the)
NOR	Norway
OMN	Oman
PAK	Pakistan
PLW	Palau
PSE	Palestine, State of
PAN	Panama
PNG	Papua New Guinea
PRY	Paraguay
PER	Peru
PHL	Philippines (the)
PCN	Pitcairn
POL	Poland
PRT	Portugal
PRI	Puerto Rico
QAT	Qatar
ROU	Romania
RUS	Russian Federation (the)
RWA	Rwanda

REU	Reunion
BLM	Saint Barthelemy
SHN	Saint Helena, Ascension and Tristan da Cunha
KNA	Saint Kitts and Nevis
LCA	Saint Lucia
MAF	Saint Martin (French part)
SPM	Saint Pierre and Miquelon
VCT	Saint Vincent and the Grenadines
WSM	Samoa
SMR	San Marino
STP	Sao Tome and Principe
SAU	Saudi Arabia
SEN	Senegal
SRB	Serbia
SYC	Seychelles
SLE	Sierra Leone
SGP	Singapore
SXM	Sint Maarten (Dutch part)
SVK	Slovakia
SVN	Slovenia
SLB	Solomon Islands
SOM	Somalia
ZAF	South Africa
SGS	South Georgia and the South Sandwich Islands
SSD	South Sudan
ESP	Spain
LKA	Sri Lanka
SDN	Sudan (the)
SUR	Suriname
SJM	Svalbard and Jan Mayen
SWE	Sweden
CHE	Switzerland
SYR	Syrian Arab Republic (the)
TWN	Taiwan (Province of China)
TJK	Tajikistan
TZA	Tanzania, the United Republic of
THA	Thailand
TLS	Timor-Leste
TGO	Togo
TKL	Tokelau
TON	Tonga
TTO	Trinidad and Tobago
TUN	Tunisia
TUR	Turkey
TKM	Turkmenistan
TCA	Turks and Caicos Islands (the)

TUV	Tuvalu
UGA	Uganda
UKR	Ukraine
ARE	United Arab Emirates (the)
GBR	United Kingdom of Great Britain and Northern Ireland (the)
UMI	United States Minor Outlying Islands (the)
USA	United States of America (the)
URY	Uruguay
UZB	Uzbekistan
VUT	Vanuatu
VEN	Venezuela (Bolivarian Republic of)
VNM	Viet Nam
VGB	Virgin Islands (British)
VIR	Virgin Islands (U.S.)
WLF	Wallis and Futuna
ESH	Western Sahara
YEM	Yemen
ZMB	Zambia
ZWE	Zimbabwe
ALA	Åland Islands

10 APPENDIX A

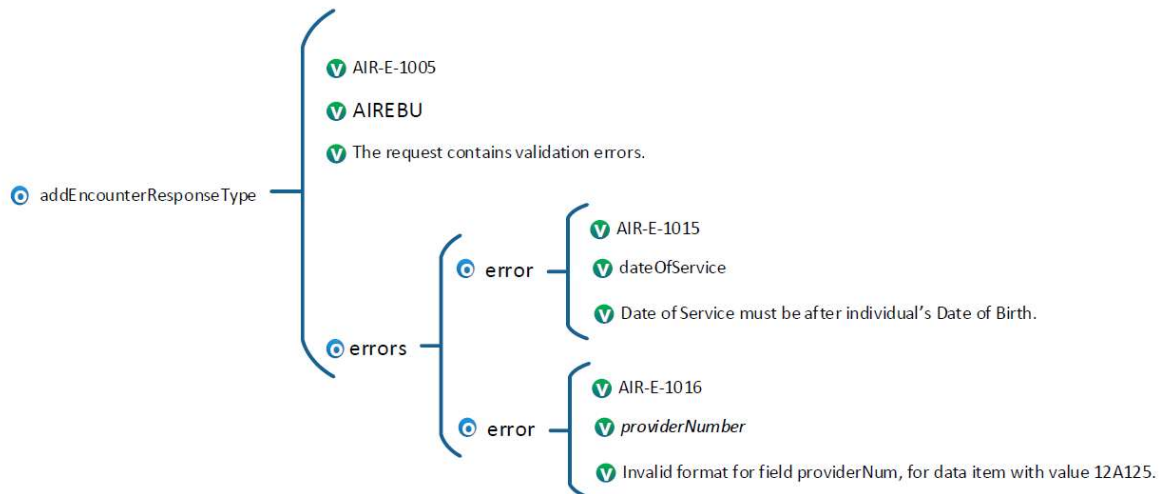
10.1 Example Responses

A.1 All Encounter(s) were successful example response.



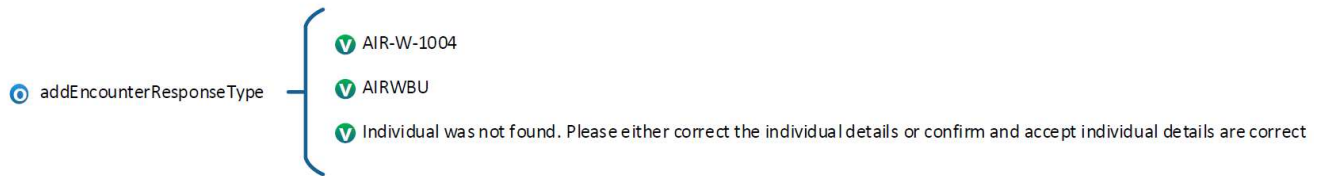
Key: O = Object V = Value

A.2 Validation Error example response.



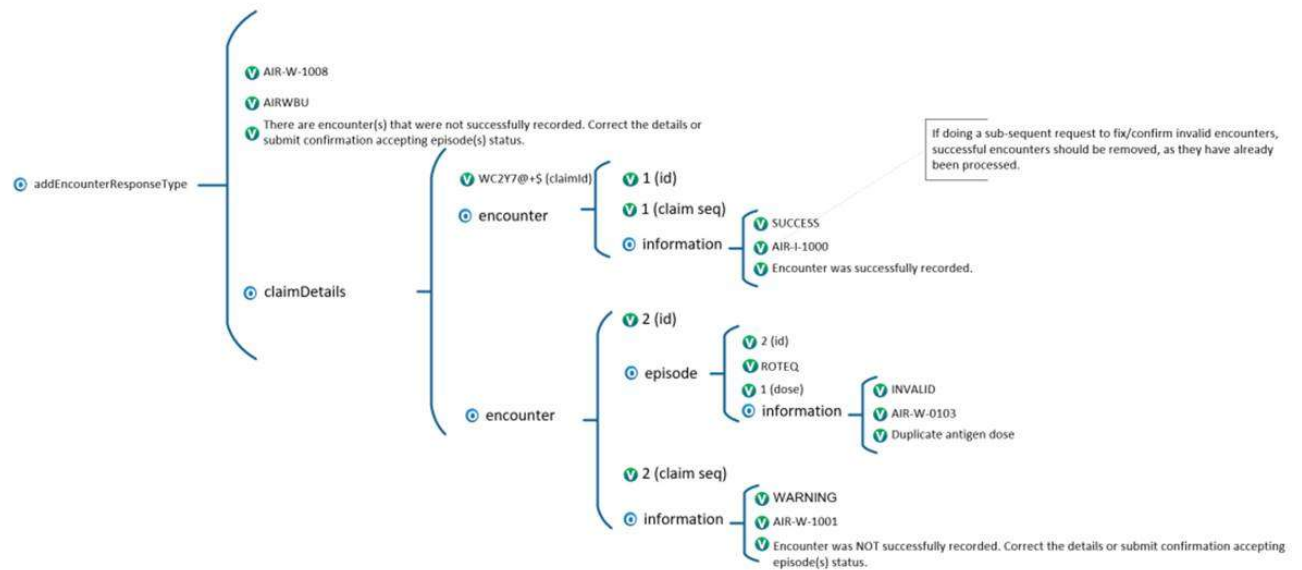
Key: O = Object V = Value

A.3 Individual Not Found example response.



Key: **O** = Object **V** = Value

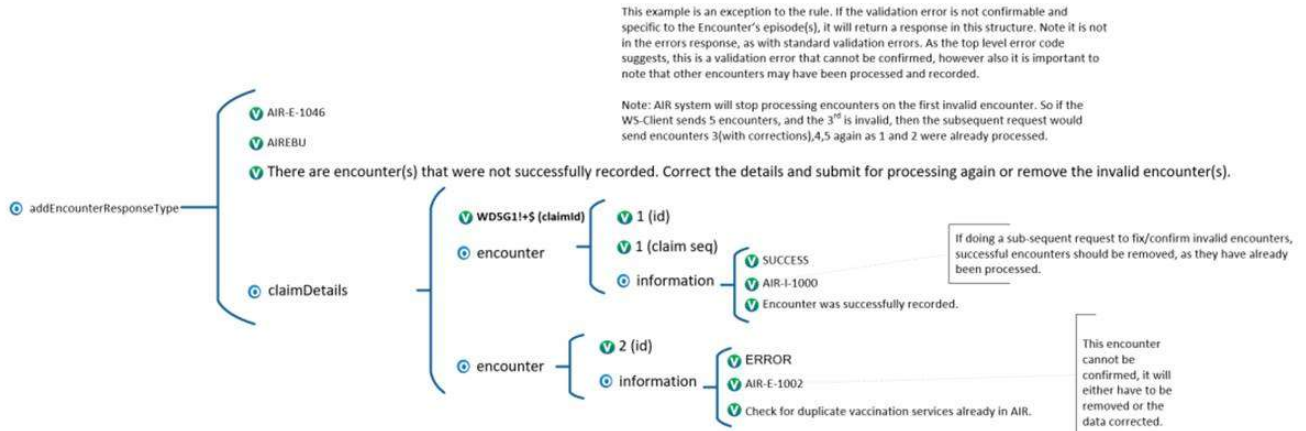
A.4 One Encounter Recorded, one NOT recorded example response.



Key: **O** = Object **V** = Value

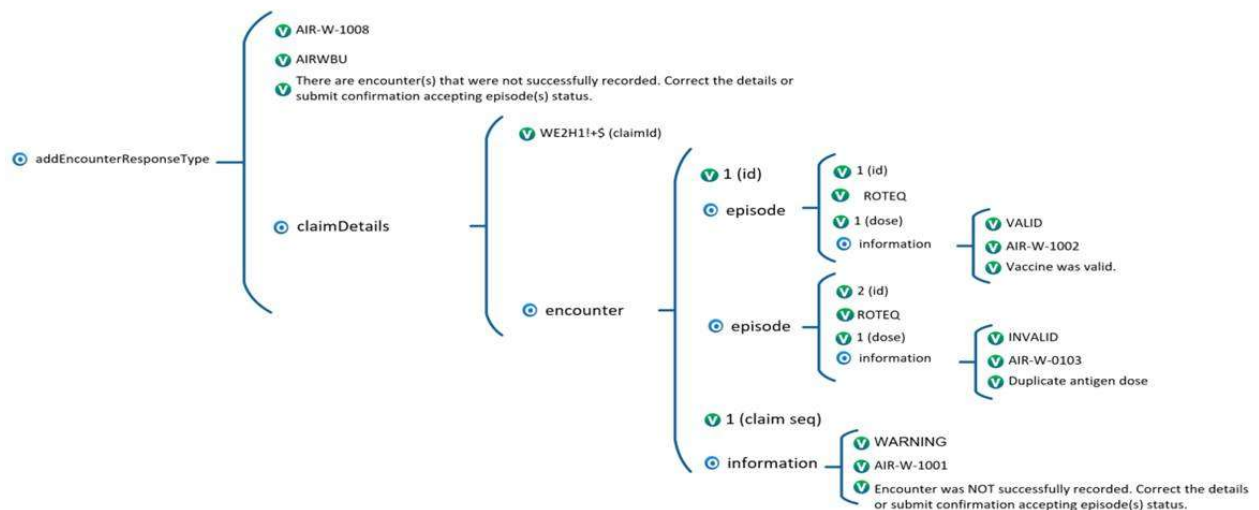
A.5 One Encounter Recorded, other is NOT confirmable example response.

If doing a subsequent request to fix/confirm invalid encounters, successful encounters should be removed as they have already been processed.



Key: O = Object V = Value

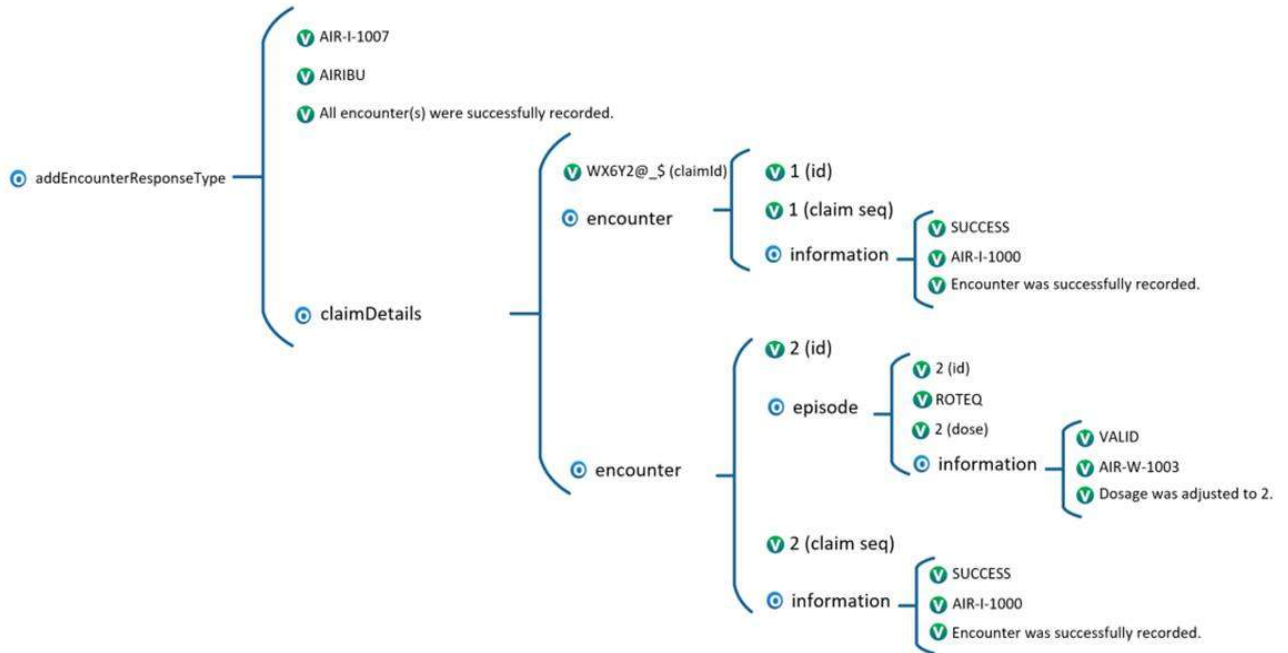
A.6 One episode valid, one episode invalid example response.



Key: O = Object V = Value

A.7 Dosage Adjusted example response.

This is the exception to the rule whereby all encounters could be recorded, but information dosage adjustment must be returned.



Key: **O** = Object **V** = Value