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Services Australia

Web Services Australian Immunisation Register (AIR)

AIR API Individual Details

TECH.SIS.AIR.05

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Document History

Date of Issue	Brief Description of Change
24 October 2024	<p>Update – new version V4.0.0 – 7 December 2024 release</p> <ul style="list-style-type: none">• Associated Documents<ul style="list-style-type: none">◦ Added the AIR Reference Data document• Section 4.2 – Individual Identifier<ul style="list-style-type: none">◦ Updated list of APIs• Section 5.2.3 - Message Response – Data Structure Diagram<ul style="list-style-type: none">◦ Updated diagram to remove vaccineSerialNumber, update vaccineType and add antenatalIndicator• Section 5.2.4.4 – EncounterHistoryType<ul style="list-style-type: none">◦ Added antenatalIndicator• Section 5.2.4.5 – EpisodeResponseType<ul style="list-style-type: none">◦ Removed vaccineSerialNumber◦ Updated vaccineType• Section 5.3 – Notice of Integration (NOI) testing requirements<ul style="list-style-type: none">◦ Updated Vaccine Type◦ Added antenatalIndicator• Section 13.2.1 – Request Message – Data Structure Diagram<ul style="list-style-type: none">◦ Diagram updated to remove vaccineSerialNumber, update vaccineType and add antenatalIndicator• Section 13.2.2.2 – EncounterRequestType<ul style="list-style-type: none">◦ Added antenatalIndicator• Section 13.2.2.3 – EpisodeRequestType<ul style="list-style-type: none">◦ Removed vaccineSerialNumber◦ Updated vaccineType• Section 13.2.3 – Message Response – Data Structure Diagram<ul style="list-style-type: none">◦ Diagram updated to remove vaccineSerialNumber, update vaccineType and add antenatalIndicator• Section 13.2.3.1 – UpdateEncounterResponseType<ul style="list-style-type: none">◦ Added antenatalIndicator• Section 13.2.4.3 – EpisodeResponseType<ul style="list-style-type: none">◦ Removed vaccineSerialNumber◦ Updated vaccineType
12 November 2024	<p>Version 4.0.1 – Minor updates</p> <ul style="list-style-type: none">• Section 4.2 – Individual Identifier

Date of Issue	Brief Description of Change
	<ul style="list-style-type: none"> ○ Table updated ● Section 5.2.4.4 <ul style="list-style-type: none"> ○ antenatalIndicator updated ● Section 13.2.2.2 – Encounter Request Type <ul style="list-style-type: none"> ○ antenatalIndicator updated ● Section 13.2.2.3 -EpisodeRequestType <ul style="list-style-type: none"> ○ vaccineType updated ● Section 13.2.4.2 - EncounterResponseType <ul style="list-style-type: none"> ○ antenatalIndicator updated ● Section 13.2.4.3 - EpisodeResponseType <ul style="list-style-type: none"> ○ vaccineType updated ● Appendix A <ul style="list-style-type: none"> ○ Screenshots updated
3 December 2024	<p>Version 4.0.2 – Minor updates Release 7 December 2024</p> <ul style="list-style-type: none"> ● Section 5.3 <ul style="list-style-type: none"> ○ antenatalIndicator updated
2 June 2025	<p>Version 4.0.3 – Minor updates Release 7 June 2025</p> <ul style="list-style-type: none"> ● Section 4.2 <ul style="list-style-type: none"> ○ Individual Identifier: updated ● Section 4.3.3.4 <ul style="list-style-type: none"> ○ PersonalDetailsType: ‘Business Rules and Data Validations’ updated for gender
18 August 2025	<p>Version 4.0.4 – Minor updates</p> <ul style="list-style-type: none"> ● Section 5.2.4.6 <ul style="list-style-type: none"> ○ InformationType: updated the explanation of ‘INVALID’ status. ● Section 13.2.4.4 <ul style="list-style-type: none"> ○ InformationType: updated the explanation of ‘INVALID’ status.
24 October 2025	<p>Version 4.0.5 – Minor updates</p> <ul style="list-style-type: none"> ● Section 13.2.2.3 <ul style="list-style-type: none"> ○ EpisodeRequestType

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 Record Encounter	TECH.SIS.AIR.02
AIR Planned Catch Up Date	TECH.SIS.AIR.03
AIR API Authorisation	TECH.SIS.AIR.04
AIR API Medical Exemptions	TECH.SIS.AIR.06
AIR Reference Data	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
Additional Vaccines Required	An individual may have an Additional Vaccines Required indicator recorded on the AIR as they may require additional vaccines as per the <i>Australian Immunisation Handbook for special risk groups</i> .
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
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
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.
Medical contraindication	An individual may have a contraindication recorded on the AIR if they are "... assessed by a general practitioner, a paediatrician, a public health physician, an infectious diseases physician or a clinical immunologist as having a medical contraindication to a vaccine, and as a result should not receive a vaccination".
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.
Natural immunity	An individual may have a natural immunity recorded on the AIR if they are "... assessed by a general practitioner, a paediatrician, a public health physician, an infectious diseases physician or a clinical immunologist as not requiring a vaccination because the individual has contracted a disease or diseases, and as a result has developed a natural immunity".
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> .
Vaccine trial	An individual may have a vaccine trial recorded on the AIR if they are participating in a trial that has been approved by a Department of Health and only for the duration of the trial period.
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 Licensed Material as referenced in the Interface Agreement. The Web Services Licensed Material includes guides, documents and other material.

For a complete list of other Web Services Licence Material associated with AIR 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 identifying an individual and accessing their immunisation history on the AIR using the following AIR Web Services:

- AIR Identify Individual API
- AIR Individual Immunisation History Details API
- AIR Individual Immunisation History Statement API
- AIR Individual Medical Contraindication History API
- AIR Individual Natural Immunity History API
- AIR Individual Vaccine Trial History API
- AIR Individual Additional Vaccine Indicator Add API
- AIR Individual Additional Vaccine Indicator Remove API
- AIR Individual Indigenous Status Update API
- AIR Update Encounter API

1.2 Scope

The scope of this document is to describe the YAML data elements and the business rules for each of the abovementioned AIR Web Services within the **AIR API Individual Details** 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 API Product Summary

The AIR is a national register that records all vaccinations given to individuals of all ages living in Australia. This includes people who are non-eligible for Medicare with no Medicare card number i.e., newborns, newly arrived immigrants, student visas.

The **AIR API Individual Details** product allows authorised and recognised vaccination providers to:

- Search for an individual on the AIR using a variety of identifiers;
- Retrieve an individual's immunisation history as record on the AIR;
- Request an individual's immunisation history statement;
- Retrieve an individual's medical exemption history as recorded on the AIR;
- Update certain personal details about the individual;
- Update editable immunisation encounter/s they already recorded on the AIR

Notice of Integration (NOI) testing requirements:

It is a requirement to develop all the AIR Web Services within this document 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.

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 a request for any of the Web Services described in this document 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 a request for the applicable Web Service contained within the **AIR API Individual Details** product.
- 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) with the *Medicare Online/ECLIPSE/DVA/AIR* service provider.
- The information provider is validated and authorised as registered on the AIR to access these Web Services.

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 AIR Identify Individual API

4.1 Description

The **AIR Identify Individual API** searches the AIR database which has records for individuals who are on a Medicare card and also those who are non-eligible for Medicare with vaccinations recorded. Therefore, this service is unique to the AIR and different to the Online Patient Verification (OPV) and Online Veteran Verification (OVV) functions within Medicare Online.

The **AIR Identify Individual API** is a retrieve Web Service which will process the request and send a response message in real-time. This service will:

- Validate the data entered for an individual's details as recorded on the AIR;
- Identify and match an individual;
- Assign an individual identifier to that individual;
- Send a response with the individual's details and an individual identifier;
- Return indicators about the individual's immunisation history on the AIR.

4.2 Individual Identifier

If a unique match is found, the individual's details and an individual identifier are returned. The individual identifier is not to be displayed to the user. It is an encrypted packet unique to the individual and is to be used for subsequent service calls (@see IndividualIdentifierType in *AIR Common Rules (TECH.SIS.AIR.01)*) for the following AIR Web Services:

AIR Web Service	Web Service Version	TECH.SIS reference
AIR Identify Individual API	1.1.0	TECH.SIS.AIR.05 (this document)
AIR Individual Immunisation History Details API	1.3.0	
AIR Individual Immunisation History Details API	1.2.0	
AIR Individual Immunisation History Statement API	1.0.0	
AIR Individual Medical Contraindication History API	1.0.0	
AIR Individual Natural Immunity History API	1.0.0	
AIR Individual Vaccine Trial History API	1.0.0	
AIR Individual Additional Vaccine Indicator Add API	1.0.0	
AIR Individual Additional Vaccine Indicator Remove API	1.0.0	
AIR Individual Indigenous Status Update API	1.0.0	
AIR Update Encounter API	1.3.0	TECH.SIS.AIR.06
AIR Update Encounter API	1.2.0	
AIR Individual Medical Contraindication Record API	1.0.0	TECH.SIS.AIR.06
AIR Individual Natural Immunity Record API	1.0.0	
AIR Reference Data API	1.0.1	TECH.SIS.AIR.07
Not Applicable		
AIR Common Rules	N/A	TECH.SIS.AIR.01
AIR Planned Catch Up Date API	1.1.0	TECH.SIS.AIR.03
AIR Authorisation Access List API	N/A	TECH.SIS.AIR.04

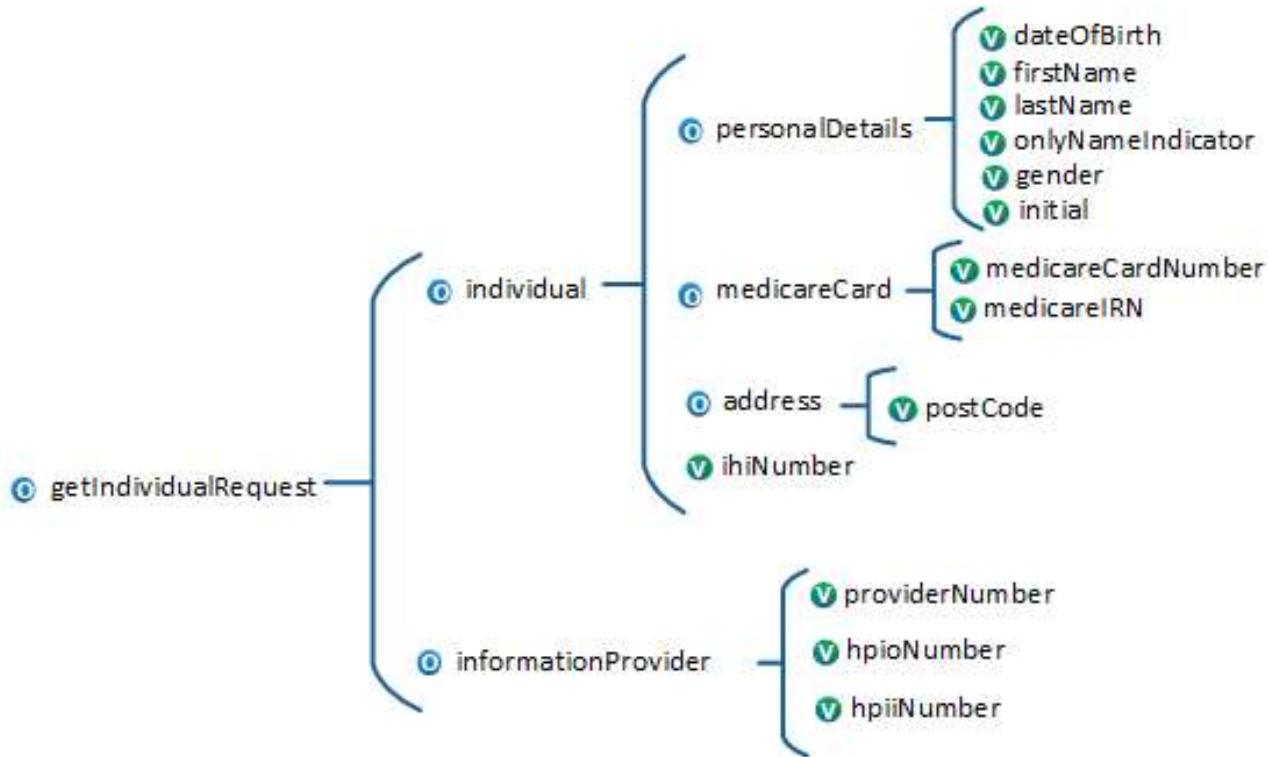
If no match is found, then the search parameters should be refined and perform search again.

To create a new individual on the AIR, is only possible using the AIR Record Encounter API, refer to *AIR Record Encounter (TECH.SIS.AIR.02)*.

4.3 Message Structure

The message diagrams are indicative only. The YAML, as published in the Health Systems Developer Portal will be the source of truth.

4.3.1 Request Message - Data Structure Diagram



Key: `O` = Object `V` = Value

4.3.2 Request - Data Elements and Field Validations

Transmissions will be validated against the YAML interface before validations based on the Business Rules associated with each API are performed. Any errors found will be returned in the response.

The system will not repeat the errors returned to the CS even though the same business rule is documented against multiple fields.

Any errors returned will contain an error code and a detailed, easy to understand error message.

If an invalid value is supplied for an unused field, it may result in an unexpected error.

Note:

- It is a requirement that error messages are displayed to the end user as supplied by Services Australia, 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*
- 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.
- For further detail on YAML Validations and Data Conditionality Details, including date and time formats, refer to *AIR Common Rules (TECH.SIS.AIR.01)*

4.3.3 Request - Type definitions, Business Rules and Data Validations

Identify Individual Details Request

4.3.3.1 IdentifyIndividualRequestType

Name	Type	Size	Conditionality M/C/O/D	Description	Business Rules and Data Validations	Error codes
individual	IndividualType	N/A	M	This is the type containing all the details about an individual such as personal, Medicare and address details.	@see IndividualType	N/A
informationProvider	ProviderIdentifierType	6-8	M	<p>This contains the number of the information provider. This is the provider who is sending the information to the AIR, may not necessarily be the immunisation provider although can be.</p> <p>Note: The descriptions for HPI-I and HPI-O number values are outlined in ProviderIdentifierType in the <i>AIR Common Rules (TECH.SIS.AIR.01)</i>.</p>	@see ProviderIdentifierType in the <i>AIR Common Rules (TECH.SIS.AIR.01)</i>	AIR-E-1016 AIR-E-1017 AIR-E-1029 AIR-E-1039 AIR-E-1063

4.3.3.2 IndividualType

Name	Type	Size	Conditionality M/C/O/D	Description	Business Rules and Data Validations	Error codes
personalDetails	PersonalDetailsType	N/A	C	Personal details of the individual.	@see PersonalDetailsType	N/A
medicareCard	MedicareCardType	N/A	C	Medicare card details of the individual.	@see MedicareCardType	N/A
address	SearchAddressType	N/A	C	Postcode of the individual.	@see SearchAddressType	N/A

ihNumber	string	16	O	Identifies the healthcare identifier assigned to an individual who received the vaccination.	Must be 16 numeric characters for schema validation.	AIR-E-1016
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4.3.3.3 MedicareCardType

Name	Type	Size	Conditionality M/C/D	Description	Business Rules and Data Validations	Error codes
medicareCardNumber	string	10	C	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 AIR-E-1017
					Must be set if medicareIRN is set	AIR-E-1020
medicareIRN	string	1	C	Medicare individual reference number.	Cannot be set to 0	AIR-E-1016 AIR-E-1017

4.3.3.4 PersonalDetailsType

Name	Type	Size	Conditionality M/C/O/D	Description	Business Rules and Data Validations	Error codes
dateOfBirth	dateType	8	C	Individual's Date of Birth	@see dateType in the AIR Common Rules (TECH.SIS.AIR.01)	
firstName	string	1-40	C	First /given name of the individual. Middle/second name of the individual.	If included, the First Name 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
lastName	string	1-40	C	Surname or Family name of the individual (to also be used if individual only has a single name).	Last Name 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
onlyNameIndicator	boolean	N/A	C	Indicates that the individual only has one name (no first name including if their firstName = ONLYNAME on the AIR).	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
gender	string	1..1	C	Gender of the individual.	If included, the gender of the individual should only contain the alpha characters of "M", "F", or "X".	AIR-E-1016 AIR-E-1017
initial	string	1..1	O	The middle initial of the individual.	If included, the initial of the individual should only contain alpha characters	AIR-E-1016

4.3.3.5 SearchAddressType

Name	Type	Size	Conditionality M/C/O/D	Description	Business Rules and Data Validations	Error codes
postCode	string	4	C	Postcode of the individual' address	Postcode {0} is not a valid postcode.	AIR-E-1043

4.3.4 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

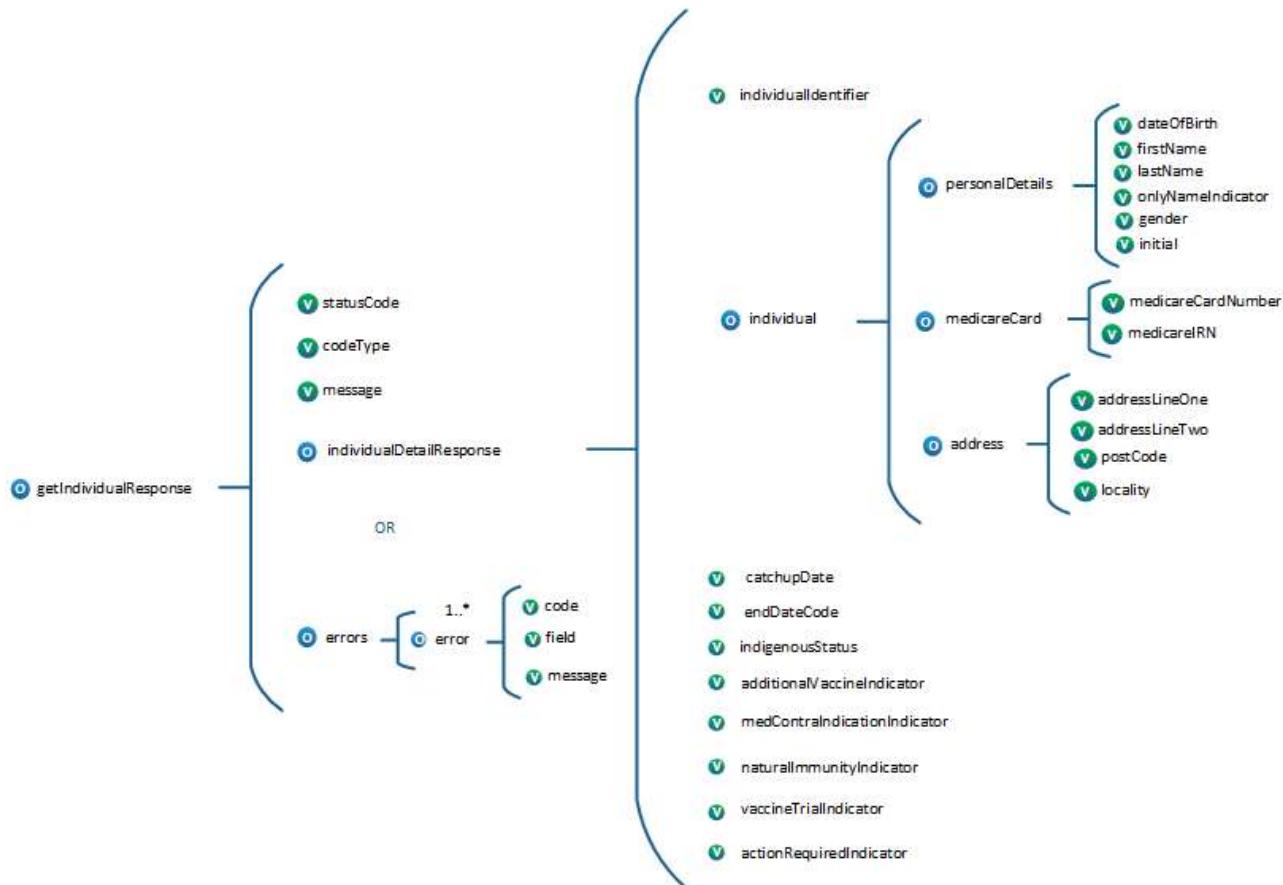
The AIR system will prioritise field matching in the order Scenario 1, 2, 3 then 4. When all fields are provided, other fields will be disregarded once the minimum fields for a scenario have successfully matched an individual. For example, if all fields are provided and a unique match for an individual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

4.3.5 Message Response - Data Structure Diagram

The message diagrams are indicative only. The YAML, as published in the Health Systems Developer Portal will be the source of truth.



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

4.3.6 Response – Type definitions, Business Rules and Data Validations

Identify Individual Details Response

4.3.6.1 IndividualDetailsType

Name	Type	Size	Conditionality M/C/O/D	Description	Business Rules and Data Validations	Error codes
statusCode	Refer to AIR Common Rules (TECH.SIS.AIR.01)				@see IndividualDetailsResponseType	AIR-E-1035
codeType						
message						
individualDetails	IndividualDetailResponseType	N/A	M	This is the type containing all the details about an individual and also indicators about their immunisation history on the AIR.		
errors	See @ErrorMessageType in AIR Common Rules (TECH.SIS.AIR.01)					

4.3.6.2 IndividualDetailsResponseType

Name	Type	Size	Conditionality M/C/O/D	Description
individualIdentifier	string	1-128	M	This identifier is unique for an identified individual and is to be re-used for subsequent requests.

individual	individualType	N/A	M	<p>The details of the individual such as personal details, Medicare card (the same as the one in the request), address. @see individualType.</p> <p>Depending on what identification requirements are sent in the request, determines what is used to match the individual and what is returned in the response. @see <i>Request - Minimum identification Requirements for an Individual</i>.</p> <p>For example, when a full Medicare card number (10 digits) and IRN is sent, the individual can be matched on the first 9 digits of the Medicare number and IRN combination plus other personal details. Thus, it's possible the 10th digit Medicare <u>issue</u> card number could be slightly different in the response to the one in the request.</p> <ul style="list-style-type: none"> ➤ Request <ul style="list-style-type: none"> ▪ medicareCardNumber – 123456789<u>1</u> (10 digits) ▪ medicareIRN – 1 ▪ Other personal details ➤ Individual successfully matched in AIR system using: <ul style="list-style-type: none"> ▪ Medicare number – 123456789 (first 9 digits) ▪ Issue number – <u>1</u> (not a primary criteria to find the individual) ▪ IRN – 1 ▪ Other personal details ➤ Response <ul style="list-style-type: none"> ▪ medicareCardNumber – 123456789<u>0</u> (10 digits – issue number is slightly different to the one in the request) ▪ medicareIRN – 1 ▪ Other personal details
catchupDate	dateType	8	O	If applicable, the date the individual is required to be up-to-date with any vaccinations due for Family Assistance purposes. @see dateType.
medContraindicationIndicator	boolean	N/A	C	To indicate if the individual has any medical contraindication recorded on the AIR.
naturalImmunityIndicator	boolean	N/A	C	To indicate if the individual has any natural immunity recorded on the AIR.
vaccineTrialIndicator	boolean	N/A	C	To indicate if the individual has any vaccine trial recorded on the AIR.

actionRequiredIndicator	boolean	N/A	C	To indicate if the individual has any encounters that require correction. This indicator would <u>return true</u> if there are encounters for this individual that are editable (created by the provider) and that are in an invalid status (partially processed or clarification required).
endDateCode	string	N/A	C	The endDate code will indicate whether the individual has restrictions placed on their record in the AIR system due to their end date reason. @see End Date Code.
indigenousStatus	boolean	N/A	C	To indicate whether the individual identifies as Indigenous or non-Indigenous.
additionalVaccineIndicator	boolean	N/A	C	To indicate whether the individual has an Additional Vaccines Required (AVR) indicator recorded.

4.3.6.3 AddressType

Name	Type	Size	Conditionality M/C/O/D	Description
addressLineOne	string	1-40	O	First line of the individual's address.
addressLineTwo	string	0-40	O	Second line of the individual's address.
locality	string	1-40	M	Locality of individual's address.
postcode	string	4	M	Postcode of individual's address.

4.3.7 End Date Code

An endDateCode is returned in this service to indicate that there may be certain restrictions on the viewing of an individual's details and also that there may be limitations on what a provider can record in the AIR system against this particular individual. The endDateCode is not to be displayed to the end user.

The table below is a description for each endDateCode. For the applicable error code message text refer to the *AIR Message Code List User Guide*.

End Date Code	Description	Error codes
ALL	The individual's record may not be active but no restrictions are placed on the viewing of their record and only some updates are allowable.	AIR-W-1062
LIMITED	Individual details cannot be viewed, however some updates are still allowable.	AIR-W-1059
NONE	Individual details cannot be viewed and their record cannot be updated.	AIR-E-1058

4.4 Notice of Integration (NOI) testing requirements:

In addition to passing all the business rules for this service, it is a requirement that the software product will have ability to pass the following test:

- If any of the following indicators for an individual are returned as ‘true’; then display them to the end user as an alert or icon:

Object (indicator)	Display as
catchupDate	Planned Catch Up
medContraindicationIndicator	Medical Contraindication
naturalImmunityIndicator	Natural Immunity
vaccineTrialIndicator	Vaccine Trial
actionRequiredIndicator	Action Required
additionalVaccineIndicator	Special Risk Group

@see IndividualDetailsResponseType for more information

5 AIR Individual Immunisation History Details API

5.1 Description

The **AIR Individual Immunisation History Details API** is a retrieve Web Service which will process the request and send a response message in real-time.

Following the positive identification of an individual and using their individual identifier, this service will:

- Retrieve the individual's immunisation history as recorded on the AIR,
- Return the individual's vaccine Due Details,
- Return the individual's Immunisation History, and
- Return whether any encounters and episodes are editable (able to be updated by the provider)

Due Details

If there is a due vaccine for an individual returned; then the vaccine due details for each will consist of:

- Disease (Name of the antigen),
- Vaccine dose, and
- Due date

If there is no list of vaccines due for an individual returned, then derive your own message to display using the text '**There are no vaccinations due for this individual**' @see section 5.3 – *NOI testing requirements*.

Immunisation History Details

If there is an immunisation history for an individual returned; then the encounters list will consist details of:

- each encounter,
- episode/s within each encounter, and
- any relevant information for each episode.

Note: Not all the details in the response are required to be used for display of the individual's immunisation history @see section 5.3 – *NOI testing requirements*.

If there is no immunisation history for an individual returned, then derive your own message to display using the text '**No immunisation history is recorded for this individual**' @see section 5.3 – *NOI testing requirements*.

5.2 Message Structure

The message diagrams are indicative only. The YAML, as published in the Health Systems Developer Portal will be the source of truth.

5.2.1 Request Message – Data Structure Diagram



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

5.2.2 Request - Type definitions, Business Rules and Data Validations

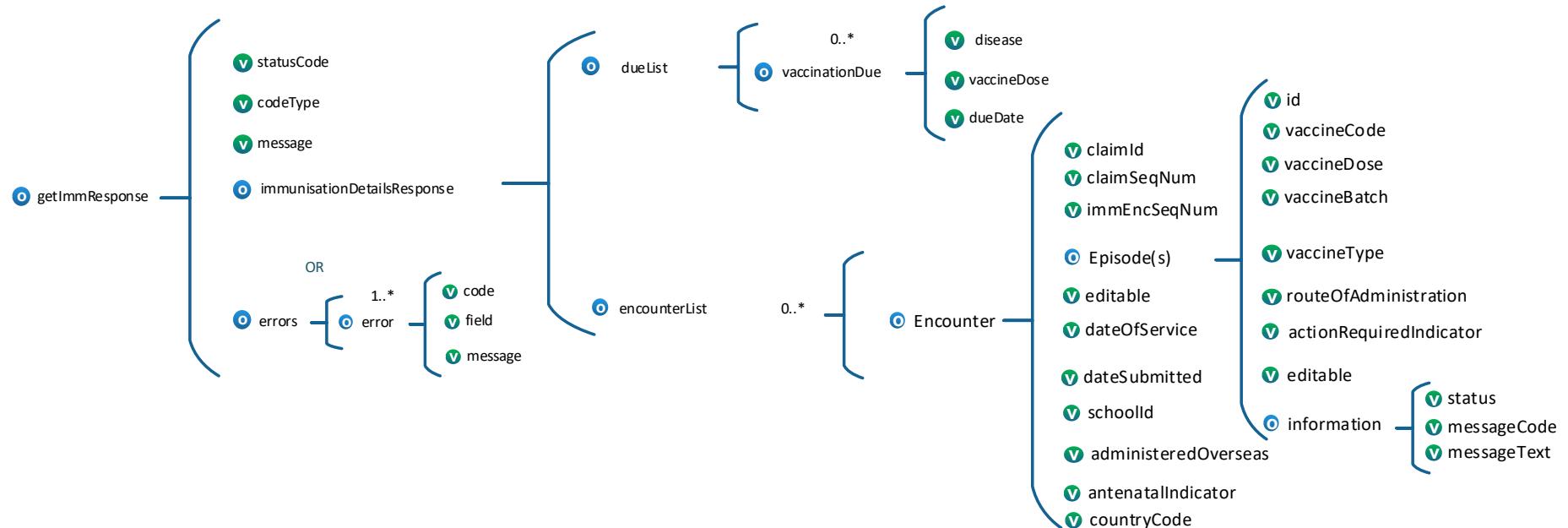
Get Immunisation Details Request

5.2.2.1 AirHistoryRequestType

Name	Type	Size	Conditionality M/C/O/D	Description	Business Rules and Data Validations	Error codes
individualIdentifier	IndividualIdentifierType	1-128	M	This identifier is unique for an identified individual and is to be reused for subsequent requests.	@see IndividualIdentifierType in the <i>AIR Common Rules (TECH.SIS.AIR.01)</i>	AIR-E-1061
informationProvider	ProviderIdentifierType	6-8	M	This contains the number of the information provider. This is the provider who is sending the information to the AIR, may not necessarily be the immunisation provider although can be. Note: The descriptions for HPI-I and HPI-O number values are outlined in ProviderIdentifierType in the <i>AIR Common Rules (TECH.SIS.AIR.01)</i> .	@see ProviderIdentifierType in the <i>AIR Common Rules (TECH.SIS.AIR.01)</i>	AIR-E-1016 AIR-E-1017 AIR-E-1029 AIR-E-1039 AIR-E-1063

5.2.3 Message Response – Data Structure Diagram

The message diagrams are indicative only. The YAML, as published in the Health Systems Developer Portal will be the source of truth.



Key: ○ = Object V = Value

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

5.2.4 Response - Type definitions, Business Rules and Data Validations

Get Immunisation Details Response

5.2.4.1 ImmunisationHistoryResponseType

Name	Type	Size	Conditionality M/C/O/D	Description	Data Validations Business Rules	Error codes
statusCode				Refer to AIR Common Rules (TECH.SIS.AIR.01)	If AIR-E-1058 is returned; Then, no immunisation history details are returned.	AIR-E-1058
codeType					If AIR-W-1059 is returned;	AIR-W-1059
message					Then, immunisation history details are returned. If AIR-W-1062 is returned; Then, immunisation history details are returned.	AIR-W-1062
immunisationDetails	Element	N/A	N/A	Contains Immunisation History details.	@see ImmunisationDetailsResponseType	
errors	See @ErrorMessageType in AIR Common Rules (TECH.SIS.AIR.01)					

5.2.4.2 ImmunisationDetailsResponseType

Name	Type	Size	Conditionality M/C/O/D	Description	Business Rules and Data Validations
dueList	string	1-255	C	List of Due Vaccines.	@see DueVaccineType
encounters	string	1-255	C	List of Immunisation History.	@see EncounterHistoryType

5.2.4.3 DueVaccineType

Name	Type	Size	Conditionality M/C/O/D	Description
disease	string	1-6	M	Disease (antigen code) that the individual has currently due. <i>Refer to Vaccine Code Formats User Guide.</i>
vaccineDose	string	1-3	M	The dose value required.
dueDate	string	8	M	Due date in format DDMMYYYY.

5.2.4.4 *EncounterHistoryType*

Name	Type	Size	Conditionality M/C/O/D	Description
claimId	string	5-8	M	Claim id of the encounter.
claimSeqNum	integer	N/A	M	Claim sequence number of the encounter.
immEncSeqNum	integer	N/A	M	Immunisation encounter sequence number of the encounter.
episodes	list	N/A	M	List of the episodes submitted in that encounter. @see EpisodeResponseType
editable	boolean	N/A	C	Determines if the encounter is editable by the provider.
dateOfService	string	8	M	Date the encounter was administered
dateSubmitted	string	8	M	Date the encounter was submitted to the AIR.
schoold	string	9	C	Unique school identifier for the encounter.
countryCode	string	3	C	Country/Region code of where the vaccination was administered.
administeredOverseas	boolean	N/A	O	Was the encounter administered overseas, true or false.
antenatalIndicator	Boolean	N/A	C	Indicates if the individual was pregnant at the time of the encounter.

5.2.4.5 EpisodeResponseType

Name	Type	Size	Conditionality M/C/O/D	Description
id	integer	1-6	M	Episode Sequence ID.
vaccineCode	string	1-6	M	Vaccine code of the submitted vaccine. <i>Refer to Vaccine Code Formats User Guide.</i>
vaccineDose	string	1-3	M	Dose value of the submitted vaccine. Examples are 'B', '1', '2' or 'V' ¹ .
vaccineBatch	string	1-15	C	Batch code of the submitted vaccine.
vaccineType	String	0..3	C	Vaccine type provided in the request. Note: vaccineFundingType must display as 'Vaccine Type'
routeOfAdministration	String	0..3	C	Route of administration provided in the request.
actionRequiredIndicator	boolean	N/A	C	Indicator if there is action required for the provider.
information	InformationType	N/A	C	Relevant information about the episode. @see InformationType

¹ **vaccineDose – Response**

B = Birth dose

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

V = dose number adjusted for an individual > 20 years

5.2.4.6 InformationType

Name	Type	Size	Conditionality M/C/I/O/D	Description	Business Rules and Data Validations
status	string	1-20	M	The processing state in the AIR system.	Values: VALID or INVALID. INVALID status indicates that the episode requires further assessment and is not yet recorded in the AIR.
code	string	1-10	C	The reason associated to the processing status.	If status is VALID; then the reason code will be 'null'. If Status is INVALID; then the reason code may be returned. For example, AIR-W-0102. Refer to AIR Message Code List User Guide .
text	string	255	C	Reason code message text.	If reason code is INVALID; then the associated message text may be returned. For example, Duplicate antigen dose. Refer to AIR Message Code List User Guide .

5.3 Notice of Integration (NOI) testing requirements:

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

- If there is a due vaccine for an individual returned; then display to the end user the:
 - Disease (full name of the antigenCode),
 - Dose (vaccineDose), and
 - Due Date (dueDate)
- If there is a list of due vaccines for an individual returned; then display each in the order of the earliest due date (or the ability to filter) to the end user.
- If there is an encounter history for an individual returned; then display as a minimum to the end user the:
 - Date (dateOfService),
 - Vaccine/Brand (full name of the vaccineCode),
 - Dose (vaccineDose),
 - Status (status)
 - Reason Code (code), if applicable
 - Message text (text), if applicable
 - Vaccine type (vaccineType), if applicable (note: description not the code should be displayed)
 - Route of administration (routeOfAdministration), if applicable (note: description not the code should be displayed)
 - antenatalIndicator

Note: The following are not mandatory to display:

- claimId,
- claimSeqNum,
- immEncSeqNum,
- id,
- vaccineBatch,
- dateSubmitted,
- schoolId
- countryCode
- administeredOverseas

Instead these should be stored and re-used for updating encounter requests, refer to *AIR Update Encounter API* section in this document. actionRequiredIndicator and/or editable can be used to flag on the display of an individual's immunisation history which encounters and episodes are able to be updated by the provider.

- If there is a list of encounters for an individual returned; then display each in the order of most recent date of service (or ability to filter) to the end user.

- If there is no list of vaccines due for an individual returned; then display a message
'There are no vaccinations due for this individual'
- If there is no list of encounters for an individual returned; then display a message
'No immunisation history is recorded for this individual'

6 AIR Individual Immunisation History Statement API

6.1 Description

The AIR produces 3 types of proof of vaccinations:

- Complete Immunisation history statements
- COVID-19 and Influenza Immunisation history statements (not available in Web Services)
- International COVID-19 Vaccination Certificates (not available in Web Services)

AIR immunisation history statements help people keep track of their or their child's vaccinations.

The immunisation history statement:

- shows all vaccines recorded for an individual on the AIR
- includes COVID-19 and flu vaccines
- displays vaccination statuses and notices

Information on the statements

Immunisation history statements for children aged under 10 years show:

- their name and date of birth
- their current immunisation status, including an immunisation catch-up if they have one recorded
- any vaccines they have recorded on the AIR, under the NIP age schedule and in the date order given
- immunisations they still need and their due dates
- any notices

Immunisation history statements for children and individuals aged over 10 years and under 20 years show:

- their name and date of birth
- their current immunisation status, including an immunisation catch-up if they have one recorded
- any vaccines recorded on the AIR, in the date order given
- any immunisations they still need and their due date
- any notices

Immunisation history statements for individuals aged over 20 years show:

- their name and date of birth
- any vaccines recorded on the AIR
- any NIP schedule adult immunisations they are eligible for and the date they can have them
- any notices

The **AIR Individual Immunisation History Statement API** is a retrieve Web Service which will process the request and send a response message in real-time.

Following the positive identification of an individual and using their individual identifier, this service will:

- Retrieve the individual's immunisation history statement as recorded on the AIR, and
- Return a string of Base64-encoded content for the software developer to convert the individual's immunisation history statement in a PDF format

The AIR immunisation history statement is on an approved Services Australia template in a PDF format that is not to be altered, amended or manipulated in anyway.

There are three Immunisation History Statement templates, which vary based on the individual's age at the time it is generated. They are for individuals aged:

- under 10 years
- over 10 years and under 20 years

- over 20 years

For further details of information that is displayed on AIR immunisation history statements and for a sample of each template refer to *Appendix A*.

6.2 Message Structure

The message diagrams are indicative only. The YAML, as published in the Health Systems Developer Portal will be the source of truth.

6.2.1 Request Message – Data Structure Diagram



6.2.2 Request - Type definitions, Business Rules and Data Validations

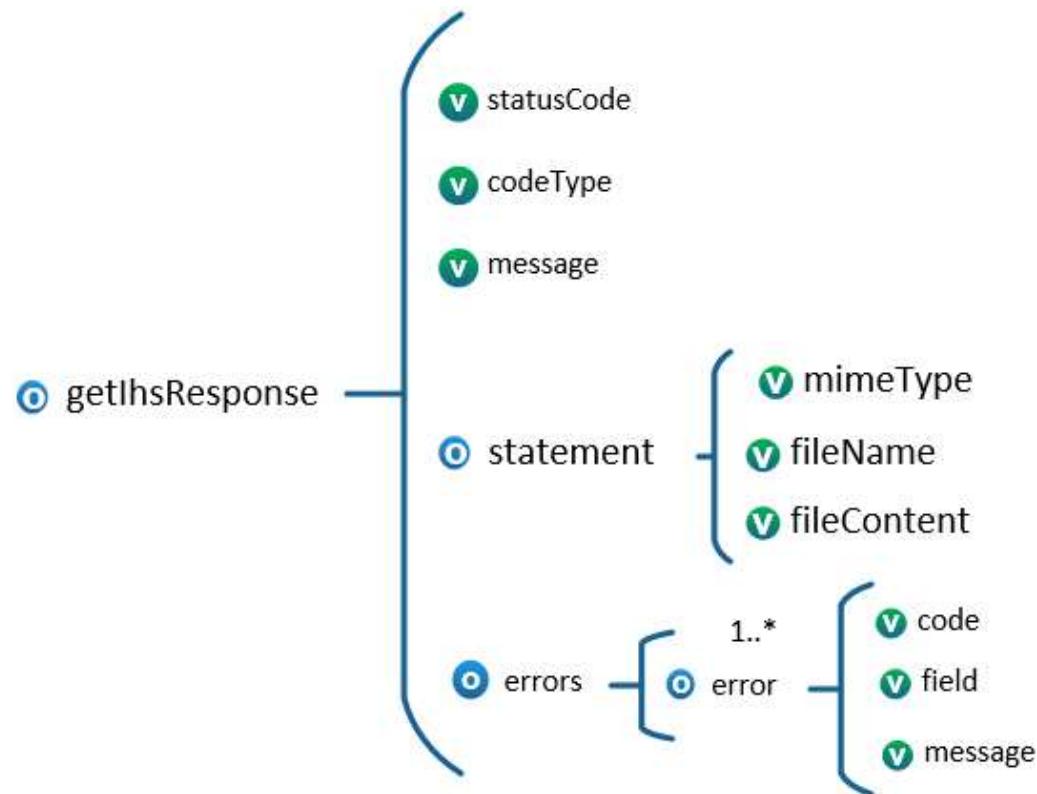
Get Immunisation History Statement request

6.2.2.1 AirHistoryRequestType

Name	Type	Size	Conditionality M/C/O/D	Description	Business Rules and Data Validations	Error codes
individualIdentifier	IndividualIdentifierType	1-128	M	This identifier is unique for an identified individual and is to be re-used for subsequent requests.	@see IndividualIdentifierType in the <i>AIR Common Rules</i> (TECH.SIS.AIR.01)	AIR-E-1061
informationProvider	ProviderIdentifierType	6-8	M	This contains the number of the information provider. This is the provider who is sending the information to the AIR, may not necessarily be the immunisation provider although can be. Note: The descriptions for HPI-I and HPI-O number values are outlined in ProviderIdentifierType in the <i>AIR Common Rules</i> (TECH.SIS.AIR.01).	@see ProviderIdentifierType in the <i>AIR Common Rules</i> (TECH.SIS.AIR.01)	AIR-E-1016 AIR-E-1017 AIR-E-1029 AIR-E-1039 AIR-E-1063

6.2.3 Message Response – Data Structure Diagram

The message diagrams are indicative only. The YAML, as published in the Health Systems Developer Portal will be the source of truth.



Key: O = Object V = Value

6.2.4 Response – Type definitions, Business Rules and Data Validations

Get Immunisation History Statement response

6.2.4.1 ImmunisationHistoryStatementResponseType

Name	Type	Size	Conditionality M/C/O/D	Description	Data Validations Business Rules	Error codes
statusCode	Refer to AIR Common Rules (TECH.SIS.AIR.01)				If AIR-E-1058 is returned; Then, no immunisation history statement is returned.	AIR-E-1058
codeType					If AIR-E-1078 is returned; Then, no immunisation history statement is returned.	AIR-W-1062
message					If AIR-W-1062 is returned; Then, immunisation history statement is returned.	AIR-E-1078
immunisationHistoryStatement	ImmunisationHistoryStatementType	N/A	M	Immunisation History Statement.	@see ImmunisationHistoryStatementType	
errors	See @ErrorMessageType in AIR Common Rules (TECH.SIS.AIR.01)					

6.2.4.2 *ImmunisationHistoryStatementType*

Name	Type	Size	Conditionality M/C/O/D	Description
mimeType	string	N/A	M	Fixed value describing the content.
fileName	string	N/A	M	File name of the PDF immunisation history statement in the format ihs.pdf
fileContent	string	N/A	M	Base64-encoded content of PDF immunisation history statement

6.3 Notice of Integration (NOI) testing requirements:

In addition to passing all the business rules for this service, it is a requirement that the software product will have ability to pass the following test:

- If there is an immunisation history statement for an individual returned; then demonstrate the file can be downloaded, viewed and printed in PDF format by the end user.

7 AIR Individual Medical Contraindication History API

7.1 Description

Medical contraindication is a type of immunisation medical exemption on the AIR, which are recorded for vaccines and their components.

Medical contraindications recorded on the AIR for a vaccine can be:

- permanent – there is no end date
- temporary – the end date is in the future

This means that the individual is not required to be vaccinated with that vaccine, or equivalents, during the recorded contraindication period. The Department of Health may also consider them up to date with immunisations for the purposes of:

- child care enrolments
- overdue reminder letters
- overdue reporting for providers, and
- meeting requirements for family assistance payments

Valid reasons for a permanent immunisation medical exemption on the AIR due to a medical contraindication are:

- previous anaphylaxis (to vaccine/vaccine component)
- significant immunocompromise (for live attenuated vaccines only)

Valid reasons for temporary immunisation medical exemption on the AIR due to a medical contraindication are:

- acute major medical illness
- significant immunocompromise of short duration (live attenuated vaccines only)
- the individual is pregnant (live attenuated vaccines only)

The **AIR Individual Medical Contraindication History API** is a retrieve Web Service which will process the request and send a response message in real-time.

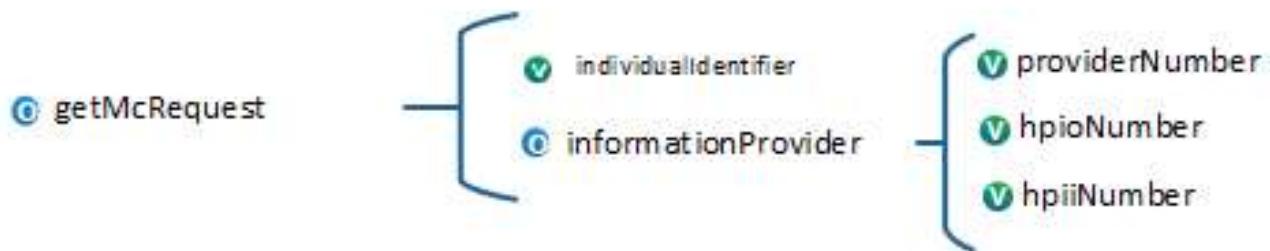
Following the positive identification of an individual and using their individual identifier, this service will:

- Retrieve the individual's history of vaccine exemption due to medical contraindication, and
- Return any active medical contraindication history as recorded on the AIR

7.2 Message Structure

The message diagrams are indicative only. The YAML, as published in the Health Systems Developer Portal will be the source of truth.

7.2.1 Request Message - Data Structure Diagram



Key: O = Object V = Value

7.2.2 Request – Type definitions, Business Rules and Data Validations

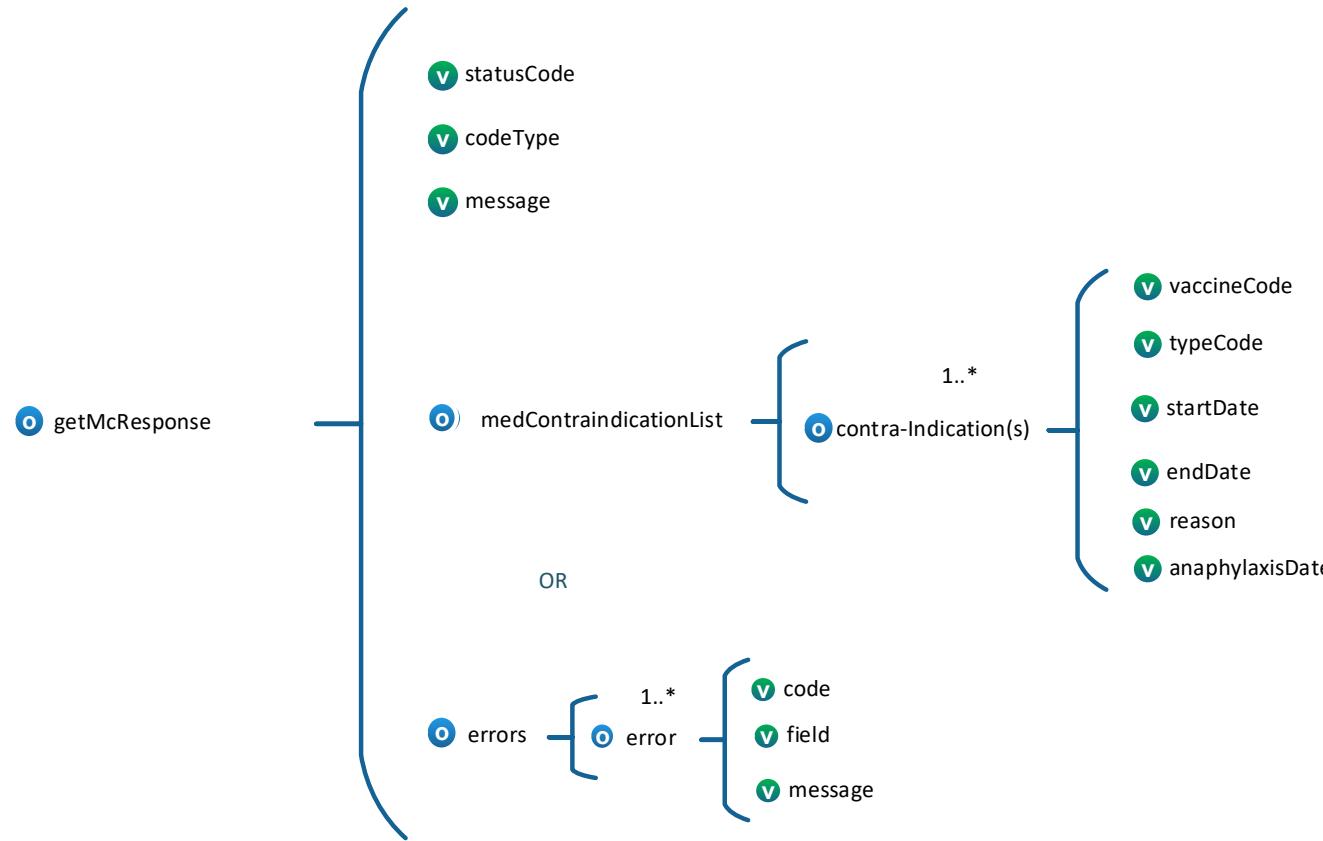
Get Medical Contraindication history request

7.2.2.1 AirHistoryRequestType

Name	Type	Size	Conditionality MCQID	Description	Business Rule Data Validation
individualIdentifier	IndividualIdentifierType	1-128	M	This identifier is unique for an identified individual and is to be re-used for subsequent requests.	@see IndividualIdentifier in the AIR Common Rules (TECH.SIS.AIR.01)
informationProvider	ProviderIdentifierType	6-8	M	This contains the number of the information provider. This is the provider who is sending the information to the AIR, may not necessarily be the immunisation provider although can be. Note: The descriptions for HPI-I and HPI-O number values are outlined in ProviderIdentifierType in the AIR Common Rules (TECH.SIS.AIR.01).	@see ProviderIdentifier in the AIR Common Rules (TECH.SIS.AIR.01)

7.2.3 Message Response – Data Structure Diagram

The message diagrams are indicative only. The YAML, as published in the Health Systems Developer Portal will be the source of truth.



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

7.2.4 Response – Type definitions, Business Rules and Data Validations

Get Medical Contraindication History response

7.2.4.1 MedicalContraindicationHistoryResponseType

Name	Type	Size	Conditionality M/C/O/D	Description	Data Validations Business Rules	Error codes
statusCode				Refer to AIR Common Rules (TECH.SIS.AIR.01)	If AIR-E-1058 is returned; Then, no medical contraindication history details are returned.	AIR-E-1058
codeType					If AIR-W-1059 is returned; Then, no medical contraindication history details are returned.	AIR-W-1059
message					If AIR-W-1062 is returned; Then, any active medical contraindication history details are returned.	AIR-W-1062
medContraindicationList	List	N/A	C	List of active medical contraindications.	@see MedicalContraindicationType	
errors	See @ErrorMessageType in AIR Common Rules (TECH.SIS.AIR.01)					

7.2.4.2 MedicalContraindicationType

Name	Type	Size	Conditionality M/C/D	Description
vaccineCode	string	1-6	M	The vaccine in which the individual has a medical contraindication for. <i>Refer to Vaccine Code Formats User Guide</i>
typeCode	Enum	N/A	M	The type of medical contraindication. For example 'T' = temporary or 'P' = permanent'
startDate	dateType	8	M	The date when the medical contraindication period commenced.
endDate	dateType	8	C	The date when the medical contraindication period ends. If the type is permanent then this is not applicable.
reason	Enum	N/A	M	The reason for the medical contraindication
anaphylaxisDate	dateType	8	C	If the reason for the medical contraindication is anaphylaxis, then a date will be returned of when the anaphylaxis occurred.

7.3 Notice of Integration (NOI) testing requirements:

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

- If there is an active medical contraindication for an individual returned; then display the vaccineCode as the full Vaccine/Brand name to the end user.
- If there is a list of active medical contraindication for an individual returned; then display each in start date ascending order (or ability to filter) to the end user.
- If there is no list of active medical contraindication for an individual returned; then display a message '**No active medical contraindication is recorded for this individual**'

8 AIR Individual Natural Immunity History API

8.1 Description

Natural Immunity is a type of immunisation medical exemption on the AIR. A laboratory test or physician based clinical diagnosis confirms natural immunity to a disease.

A natural immunity has no end date and can only be recorded on the AIR for hepatitis B, measles, mumps, rubella and varicella.

A natural immunity to a disease means that the individual is not required to receive that disease component of a vaccine in order to be considered up to date with immunisations for the purposes of:

- child care enrolments
- overdue reminder letters
- overdue reporting for providers, and
- meeting requirements for family assistance payments

However, the Department of Health considers the individual is still due/overdue for any remaining elements in the vaccine. For example, if an individual has a recorded natural immunity to mumps, they are still due/overdue for measles and rubella. This shows in their immunisation status on the AIR.

The **AIR Individual Natural Immunity History API** is a retrieve Web Service which will process the request and send a response message in real-time.

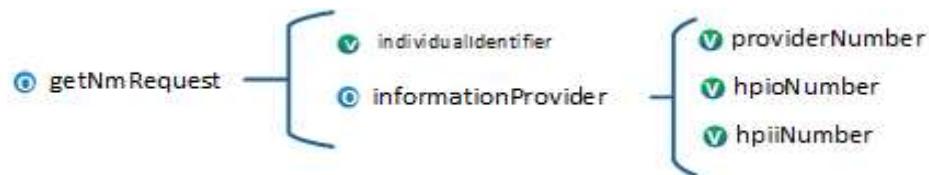
Following the positive identification of an individual and using their individual identifier, this service will:

- Retrieve the individual's history of antigen exemption due to natural immunity, and
- Return any active natural immunity history as recorded on the AIR

8.2 Message Structure

The message diagrams are indicative only. The YAML, as published in the Health Systems Developer Portal will be the source of truth.

8.2.1 Request Message – Data Structure Diagram



8.2.2 Request – Type definitions, Business Rules and Data Validations

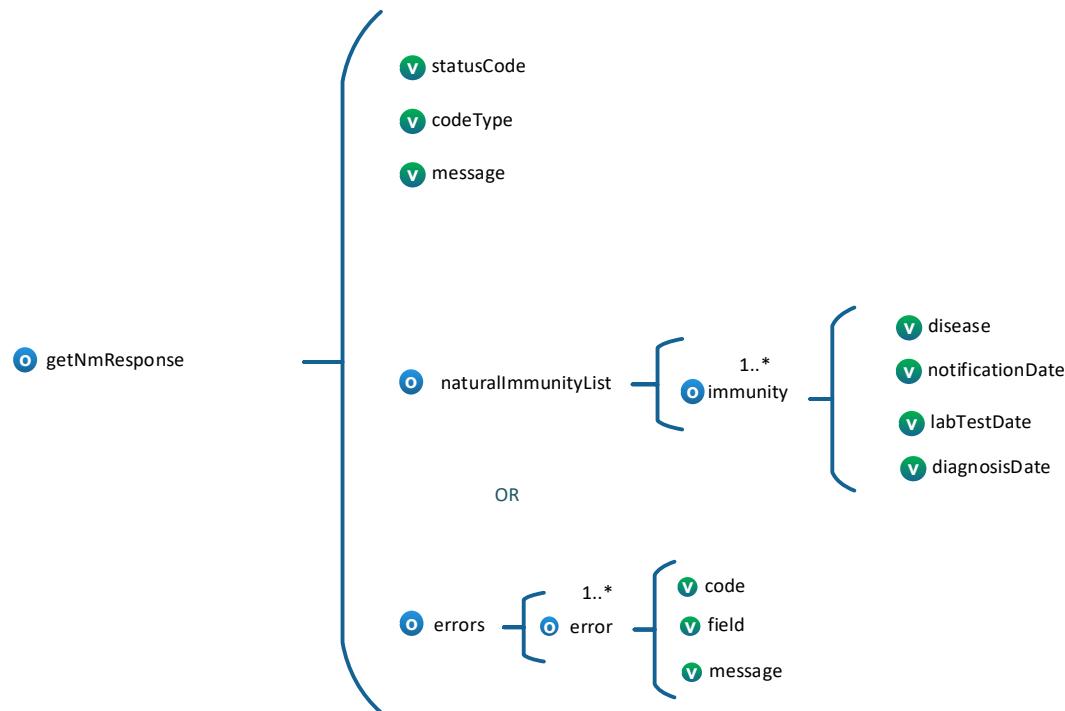
Get Natural Immunity History request

8.2.2.1 AirHistoryRequestType

Name	Type	Size	Conditionality M/C/O/D	Description	Business Rule Data Validation
individualIdentifier	IndividualIdentifierType	1-128	M	This identifier is unique for an identified individual and is to be re-used for subsequent requests.	@see IndividualIdentifier in the AIR Common Rules (TECH.SIS.AIR.01)
informationProvider	ProviderIdentifierType	6-8	M	This contains the number of the information provider. This is the provider who is sending the information to the AIR, may not necessarily be the immunisation provider although can be. Note: The descriptions for HPI-I and HPI-O number values are outlined in ProviderIdentifierType in the AIR Common Rules (TECH.SIS.AIR.01).	@see ProviderIdentifier in the AIR Common Rules (TECH.SIS.AIR.01)

8.2.3 Message Response - Data Structure Diagram

The message diagrams are indicative only. The YAML, as published in the Health Systems Developer Portal will be the source of truth.



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

8.2.4 Response – Type definitions, Business Rules and Data Validations

Get Natural Immunity History response

8.2.4.1 NaturalImmunityHistoryResponseType

Name	Type	Size	Conditionality MCOID	Description	Data Validations Business Rules	Error codes
statusCode				Refer to AIR Common Rules (TECH.SIS.AIR.01)	If AIR-E-1058 is returned; Then, no natural immunity history details are returned.	AIR-E-1058
codeType					If AIR-W-1059 is returned;	AIR-W-1059
message					Then, no natural immunity history details are returned. If AIR-W-1062 is returned; Then, any active natural immunity history details are returned.	AIR-W-1062
naturalImmunityList	List	N/A	C	List of active natural immunity that the individual has.	@see NaturalImmunityType	
errors	See @ErrorMessageType in AIR Common Rules (TECH.SIS.AIR.01)					

8.2.4.2 NaturalImmunityType

Name	Type	Size	Conditionality M/C/O/D	Description
disease	string	1-6	M	The antigen code of the disease which the individual has natural immunity. <i>Refer to Vaccine Code Formats User Guide</i>
notificationDate	dateType	8	M	The date the AIR was notified of the natural immunity for the individual.
labTestDate	dateType	8	C	The date when the test for natural immunity occurred.
diagnosisDate	dateType	8	C	The date the individual was diagnosed with a natural immunity.

8.3 Notice of Integration (NOI) testing requirements:

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

- If there is an active natural immunity for an individual returned; then display the disease (antigen code) as the full Disease name to the end user.
- If there is a list of active natural immunity for an individual returned; then display each in notification date ascending order (or ability to filter) to the end user.
- If there is no list of active natural immunity for an individual returned; then display a message '**No active natural immunity is recorded for this individual**'

9 Individual Vaccine Trial History API

9.1 Description

Vaccine trial is a type of immunisation exemption on the AIR.

To prevent vaccine trial participants from being disadvantaged, the AIR is required to exclude vaccine trial participants, from the National due and overdue rules assessment for Family Assistance (Family Tax Benefit and Child Care Subsidy) purposes, during the duration of a vaccine trial period.

The exclusion will only be implemented for individuals participating in a vaccine trial that has been approved by a Department of Health and only for the duration of the trial period. These individuals will be considered 'fully immunised' for the antigen which they are a vaccine trial participant.

The **AIR Individual Vaccine Trial History API** is a retrieve Web Service which will process the request and send a response message in real-time.

Following the positive identification of an individual and using their individual identifier, this service will:

- Retrieve the individual's history of vaccine trials, and
- Return any active vaccine trials as recorded on the AIR.

9.2 Message Structure

The message diagrams are indicative only. The YAML, as published in the Health Systems Developer Portal will be the source of truth.

9.2.1 Request Message – Data Structure Diagram



Key: O = Object V = Value

9.2.2 Request – Type definitions, Business Rules and Data Validations

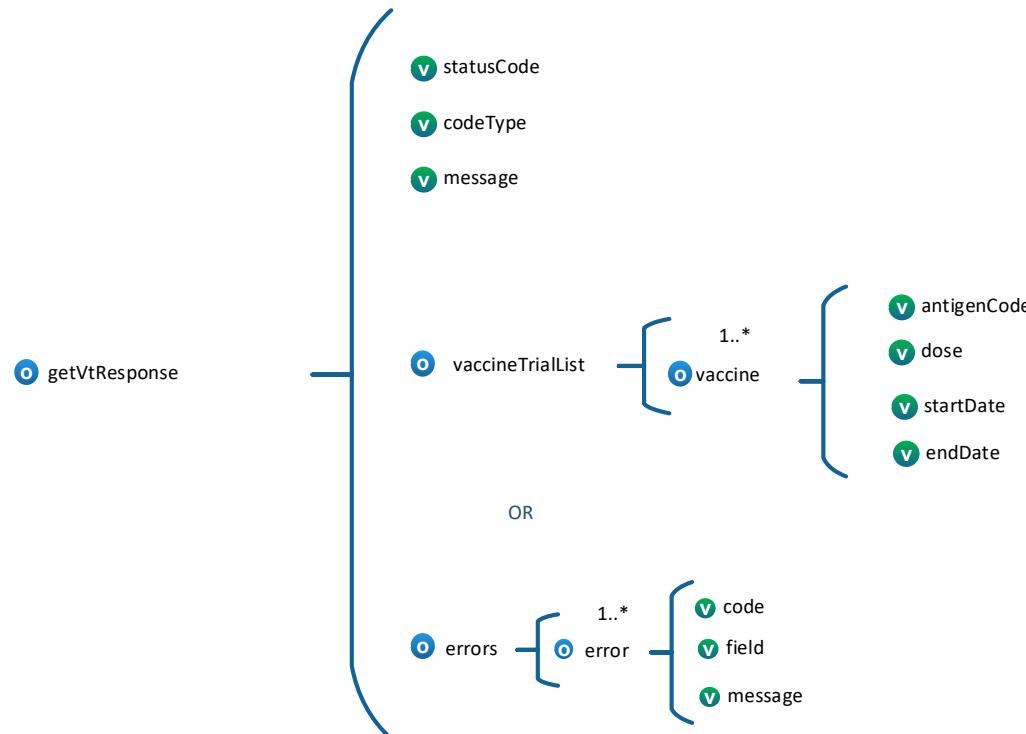
Get Vaccine Trial History request

9.2.2.1 AirHistoryRequestType

Name	Type	Size	Conditionality M/C/O/D	Description	Business Rule Data Validation
individualIdentifier	IndividualIdentifierType	1-128	M	This identifier is unique for an identified individual and is to be re-used for subsequent requests.	@see IndividualIdentifier in the AIR Common Rules (TECH.SIS.AIR.01)
informationProvider	ProviderIdentifierType	6-8	M	This contains the number of the information provider. This is the provider who is sending the information to the AIR, may not necessarily be the immunisation provider although can be. Note: The descriptions for HPI-I and HPI-O number values are outlined in ProviderIdentifierType in the AIR Common Rules (TECH.SIS.AIR.01).	@see ProviderId in the AIR Common Rules (TECH.SIS.AIR.01)

9.2.3 Message Response – Data Structure Diagram

The message diagrams are indicative only. The YAML, as published in the Health Systems Developer Portal will be the source of truth.



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

9.2.4 Response – Type definitions, Business Rules and Data Validations

Get Vaccine Trial History response

9.2.4.1 VaccineTrialHistoryResponseType

Name	Type	Size	Conditionality M/C/I/O/D	Description	Data Validations Business Rules	Error codes
statusCode	Refer to AIR Common Rules (TECH.SIS.AIR.01)				If AIR-E-1058 is returned; Then, no vaccine trial history details are returned.	AIR-E-1058
codeType					If AIR-W-1059 is returned; Then, no vaccine trial history details are returned.	AIR-W-1059
message					If AIR-W-1062 is returned; Then, any active vaccine trial history details are returned.	AIR-W-1062
vaccineTrialList	List	N/A	C	List of active vaccine trials the individual is undertaking.	@see VaccineTrialType	
errors	See @ErrorMessageType in AIR Common Rules (TECH.SIS.AIR.01)					

9.2.4.2 VaccineTrialType

Name	Type	Size	Conditionality M/C/O/D	Description
antigenCode	string	1-6	M	The antigen code of the associated antigen. e.g. DIP <i>Refer to Vaccine Code Formats User Guide</i>
dose	string	1-3	M	Vaccine dose of the vaccine trial. Examples are 'B', '1', '2' or 'V ¹ '.
startDate	dateType	8	M	The date when the vaccine trial commenced.
endDate	dateType	8	C	The date when the vaccine trial ends.

9.3 Notice of Integration (NOI) testing requirements:

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

- If there is an active vaccine trial for an individual returned; then display the antigenCode as the full Disease name to the end user.
- If there is a list of active vaccine trial for an individual returned; then display each start date ascending order (or ability to filter) to the end user.
- If there is no list of active vaccine trial for an individual returned; then display a message '**No active vaccine trial is recorded for this individual**'.

10 AIR Individual Additional Vaccine Indicator Add API

10.1 Description

The Additional Vaccines Required Indicator enables vaccination providers to add an indicator for an individual who may require further follow up. Individuals may require additional vaccines as per the *Australian Immunisation Handbook* for **special risk groups**. For example, if they are:

- Indigenous
- Managing a chronic health condition
- A low birth weight
- Preterm babies

Your software product must provide acknowledgement text that is to be displayed and agreed to by the provider when they are adding an Additional Vaccines Required Indicator @see section 10.3 –*NOI testing requirements*

The **AIR Individual Additional Vaccine Indicator Add API** is an update Web Service which will process the request and send a response message in real-time.

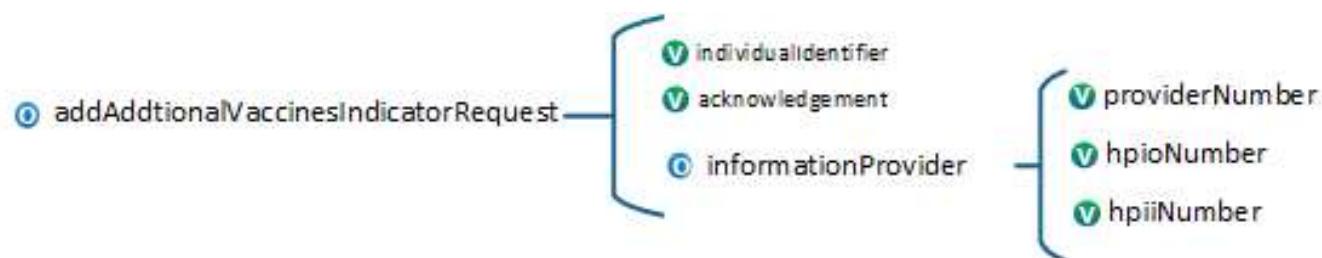
Following the positive identification of an individual and using their individual identifier, this service will:

- Validate the provider's authorisation to update an Additional Vaccines Required indicator,
- Determine if the acknowledgement field is included,
- Record the Additional Vaccines Required indicator update, and
- Add the Additional Vaccines Required indicator to their immunisation history as recorded on the AIR.

10.2 Message Structure

The message diagrams are indicative only. The YAML, as published in the Health Systems Developer Portal will be the source of truth.

10.2.1 Request Message - Data Structure Diagram



Key: O = Object V = Value

10.2.2 Request - Type definitions, Business Rules and Data Validations

Add Additional Vaccines Required indicator request

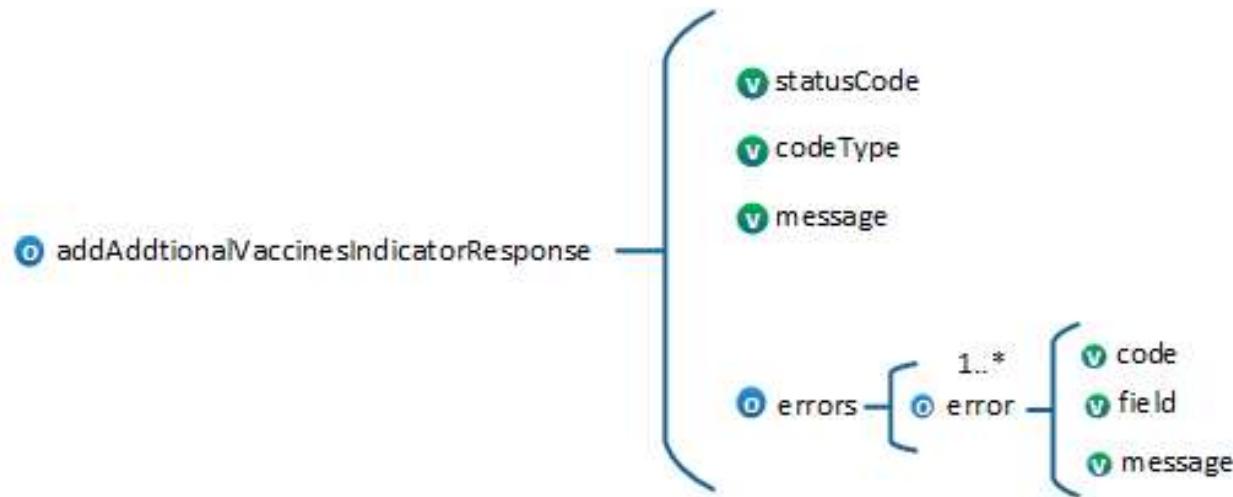
10.2.2.1 AdditionalVaccineIndicatorRequestType

Name	Type	Size	Conditionality MIC/OID	Description	Business Rules and Data Validations	Error codes
individualIdentifier	IndividualIdentifierType	1-128	M	This identifier is unique for an identified individual and is to be reused for subsequent requests.	@see IndividualIdentifierType in the AIR Common Rules (TECH.SIS.AIR.01)	AIR-E-1061
acknowledgement	boolean	N/A	M	The acknowledgement flag that indicates the text that the provider is acknowledging.	The provider sending the request must send an acknowledgement flag. Valid values are 'true' or 'false'. @see Appendix B for the acknowledgement text that your product must display.	AIR-E-1065

informationProvider	ProviderIdentifierType	6-8	M	<p>This contains the number of the information provider. This is the provider who is sending the information to the AIR, may not necessarily be the immunisation provider although can be.</p> <p>Note: The descriptions for HPI-I and HPI-O number values are outlined in ProviderIdentifierType in the <i>AIR Common Rules</i> (<i>TECH.SIS.AIR.01</i>).</p>	<p>@see ProviderIdentifierType in the <i>AIR Common Rules</i> (<i>TECH.SIS.AIR.01</i>)</p>	<p>AIR-E-1016 AIR-E-1017 AIR-E-1029 AIR-E-1039 AIR-E-1063</p>
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10.2.3 Message Response - Data Structure Diagram

The message diagrams are indicative only. The YAML, as published in the Health Systems Developer Portal will be the source of truth.



Key: 0 = Object v = Value

10.2.4 Response – Type definitions, Business Rules and Data Validations

Add Additional Vaccines Required indicator response

10.2.4.1 AdditionalVaccineIndicatorResponseType

Name	Type	Size	Conditionality M/C/D	Description	Data Validations Business Rules	Error codes
statusCode	Refer to <i>AIR Common Rules (TECH.SIS.AIR.01)</i>			If AIR-E-1067 is returned; Then, no Additional Vaccines Required updates are allowed.		AIR-E-1067
codeType						
message						
errors	See @ErrorMessageType in <i>AIR Common Rules (TECH.SIS.AIR.01)</i>					

10.3 Notice of Integration (NOI) testing requirements:

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

- If an Additional Vaccines Required indicator for an identified individual is to be added; then display the acknowledgement text in *Appendix B* to the end user before the field/checkbox is selected.
- Following an Additional Vaccines Required indicator for an identified individual being added; then display the Additional Vaccines Required alert or icon to the end user.

11 AIR Individual Additional Vaccine Indicator Remove API

11.1 Description

The Additional Vaccines Required Indicator enables vaccination providers to remove an indicator for an individual who no longer requires further follow up. Individuals may no longer require additional vaccines as per the *Australian Immunisation Handbook* for **special risk groups**. For example, if they are:

- Indigenous
- Managing a chronic health condition
- A low birth weight
- Preterm babies

Your software product must provide acknowledgement text that is to be displayed and agreed to by the provider when they are removing an Additional Vaccines required Indicator @see section 10.3 –*NOI testing requirements*.

Note: any provider can remove the indicator, even in the case where they are not the same provider who added it on the individual's record.

The **AIR Individual Additional Vaccine Indicator Remove API** is an update Web Service which will process the request and send a response message in real-time.

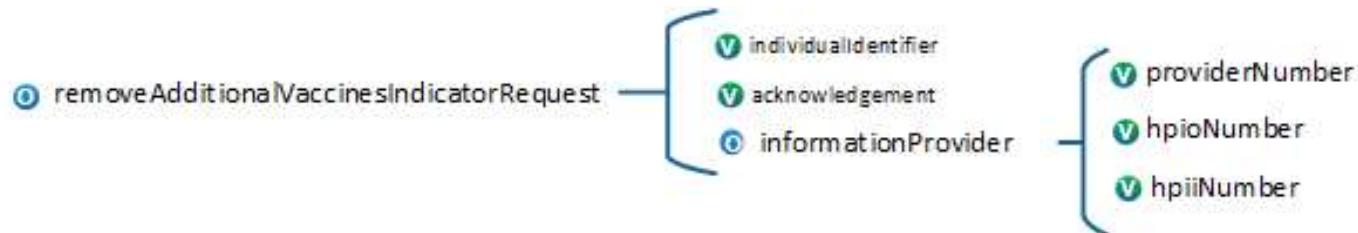
Following the positive identification of an individual and using their individual identifier, this service will:

- Validate the provider's authorisation to update an Additional Vaccines Required indicator,
- Determine if the acknowledgement field is included,
- Record the Additional Vaccines Required indicator update, and
- Remove the Additional Vaccines Required indicator from their immunisation history as recorded on the AIR.

11.2 Message Structure

The message diagrams are indicative only. The YAML, as published in the Health Systems Developer Portal will be the source of truth.

11.2.1 Request Message – Data Structure Diagram



Key: O = Object V = Value

11.2.2 Request - Type definitions, Business Rules and Data Validations

Remove Additional Vaccines Required indicator request

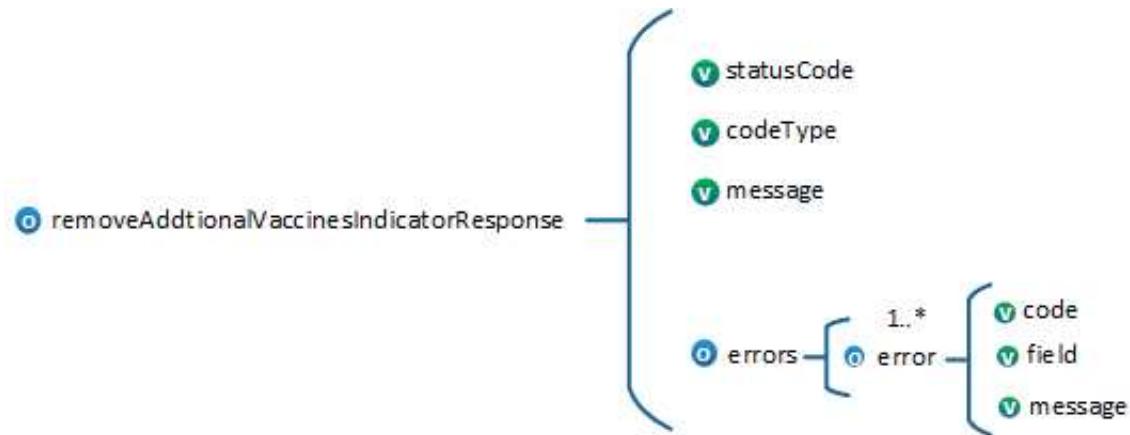
11.2.2.1 AdditionalVaccineIndicatorRequestType

Name	Type	Size	Conditionality M/C/I/D	Description	Business Rules and Data Validations	Error codes
individualIdentifier	IndividualIdentifierType	1-128	M	This identifier is unique for an identified individual and is to be re-used for subsequent requests.	@see IndividualIdentifierType in the <i>AIR Common Rules (TECH.SIS.AIR.01)</i>	AIR-E-1061
acknowledgement	boolean	N/A	M	The acknowledgement flag that indicates the text that the provider is acknowledging to.	The provider sending the request must send an acknowledgement flag. Valid values are 'true' or 'false'. @see Appendix B for the acknowledgement text that your product must display.	AIR-E-1065

informationProvider	ProviderIdentifierType	6-8	M	<p>This contains the number of the information provider. This is the provider who is sending the information to the AIR, may not necessarily be the immunisation provider although can be.</p> <p>Note: The descriptions for HPI-I and HPI-O number values are outlined in ProviderIdentifierType in the <i>AIR Common Rules</i> (<i>TECH.SIS.AIR.01</i>).</p>	<p>@see ProviderIdentifierType in the <i>AIR Common Rules</i> (<i>TECH.SIS.AIR.01</i>)</p>	AIR-E-1016 AIR-E-1017 AIR-E-1029 AIR-E-1039 AIR-E-1063
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11.2.3 Message Response - Data Structure Diagram

The message diagrams are indicative only. The YAML, as published in the Health Systems Developer Portal will be the source of truth.



Key: O = Object V = Value

11.2.4 Response – Type definitions, Business Rules and Data Validations

Remove Additional Vaccines Required indicator response

11.2.4.1 AdditionalVaccineIndicatorResponseType

Name	Type	Size	Conditionality M/C/OD	Description	Data Validations Business Rules	Error codes
statusCode				Refer to <i>AIR Common Rules (TECH.SIS.AIR.01)</i>	If AIR-E-1067 is returned; Then, no Additional Vaccines Required updates are allowed.	AIR-E-1067
codeType						
message						
errors				See @ErrorMessageType in <i>AIR Common Rules (TECH.SIS.AIR.01)</i>		

11.3 Notice of Integration (NOI) testing requirements:

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

- If an Additional Vaccines Required indicator for an identified individual is to be removed; then display the acknowledgement text in *Appendix B* to the end user before the field/checkbox is unselected.
- Following an Additional Vaccines Required indicator for an identified individual being removed; then remove display of the Additional Vaccines Required alert or icon to the end user.

12 AIR Individual Indigenous Status Update API

12.1 Description

Improving the health of Aboriginal and Torres Strait Islander peoples is a national priority.

The National Immunisation Program (NIP) for all Aboriginal and Torres Strait Islander people provides additional vaccines to help improve the health of Indigenous people, and close the gap between Indigenous and non- Indigenous people in health and life expectancy. For more information, go to:

health.gov.au/resources/publications/national-immunisation-program-schedule-for-all-aboriginal-and-torres-strait-islander-people

To identify Indigenous people who may require additional vaccines, vaccination providers can record Indigenous status directly on the AIR and it will not be over-ridden by their status recorded by Medicare. AIR Indigenous status will not be recorded on any other government database and it does not need to be the same as Medicare.

Recording an Indigenous status on the AIR helps vaccination providers to identify and give the clinically correct vaccination schedule.

Vaccination providers should seek consent from the person at the time of a vaccination encounter before recording their Indigenous status on the AIR.

Up to date records help determine the impact of the National Immunisation Program (NIP) in preventing vaccine-preventable diseases. In turn, vaccination coverage figures and data available for research purposes become more comprehensive and reliable over time.

The **AIR Individual Indigenous Status Update API** is an update Web Service which will process the request and send a response message in real-time. Indigenous status updates are in limited circumstances and determined by the AIR system.

Following the positive identification of an individual and using their individual identifier, this service will:

- Validate the individual's eligibility for an update to their Indigenous status,
- Record the Indigenous status update, and
- Add the Indigenous status indicator to their personal details as recorded on the AIR.

12.2 Message Structure

The message diagrams are indicative only. The YAML, as published in the Health Systems Developer Portal will be the source of truth.

12.2.1 Request Message – Data Structure Diagram



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

12.2.2 Request - Type definitions, Business Rules and Data Validations

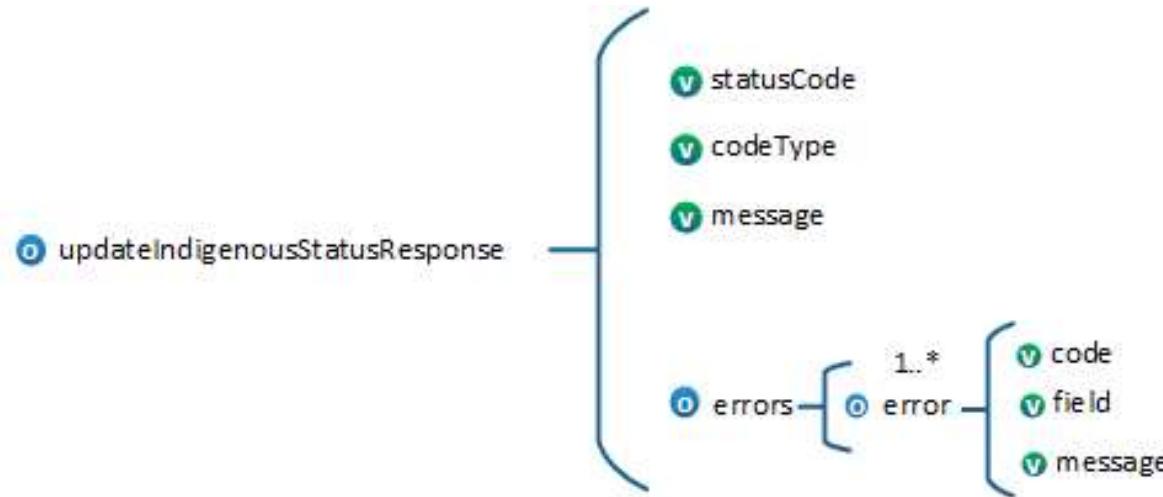
Update Indigenous Status request

12.2.2.1 IndigenousStatusRequestType

Name	Type	Size	Conditionality MC/OID	Description	Business Rules and Data Validations	Error codes
individualIdentifier	IndividualIdentifierType	1-128	M	This identifier is unique for an identified individual and is to be re-used for subsequent requests.	@see IndividualIdentifierType in the <i>AIR Common Rules</i> (TECH.SIS.AIR.01)	AIR-E-1061
indigenousStatus	boolean	N/A	M	Indicates whether the individual identifies as Indigenous.	The AIR system determines if the Indigenous status can be updated for the individual. Valid values are ‘true’ or ‘false’.	AIR-E-1067
informationProvider	ProviderIdentifierType	6-8	M	This contains the number of the information provider. This is the provider who is sending the information to the AIR, may not necessarily be the immunisation provider although can be. Note: The descriptions for HPI-I and HPI-O number values are outlined in ProviderIdentifierType in the <i>AIR Common Rules</i> (TECH.SIS.AIR.01).	@see ProviderIdentifierType in the <i>AIR Common Rules</i> (TECH.SIS.AIR.01)	AIR-E-1016 AIR-E-1017 AIR-E-1029 AIR-E-1039 AIR-E-1063

12.2.3 Message Response - Data Structure Diagram

The message diagrams are indicative only. The YAML, as published in the Health Systems Developer Portal will be the source of truth.



Key: O = Object V = Value

12.2.4 Response – Type definitions, Business Rules and Data Validations

Update Indigenous Status response

12.2.4.1 IndigenousStatusResponseType

Name	Type	Size	Conditionality M/C/I/D	Description	Data Validations Business Rules	Error codes
statusCode	Refer to <i>AIR Common Rules (TECH.SIS.AIR.01)</i>				If AIR-E-1067 is returned; Then, no Indigenous Status updates are allowed.	AIR-E-1067
codeType						
message						
errors	See @ErrorMessageType in <i>AIR Common Rules (TECH.SIS.AIR.01)</i>					

12.3 Notice of Integration (NOI) testing requirements:

In addition to passing all the business rules for this service, it is a requirement that the software product will have ability to pass the following test:

- Following a successful Indigenous Status update from ‘false’ to ‘true’ for an identified individual; then display the current Indigenous Status to the end user.

13 AIR Update Encounter API

13.1 Description

The **AIR Update Encounter API** enables vaccination providers to update vaccines they have previously submitted to the AIR. Vaccination providers are not able to update vaccines submitted by other vaccination providers or if a vaccine has attracted an AIR information payment for completing a schedule.

Note: The **AIR Update Encounter API** is dependent on the *AIR Individual Immunisation History Details API*, as that web service determines what encounter/episodes are editable for a provider to update for an individual. This will ensure the provider does not attempt to update vaccines they are not eligible to update. For more information, see `EncounterHistoryType`.

When using this service, it is a requirement that all episodes within the original encounter retrieved from the *AIR Individual Immunisation History Details API* response, must be included in the subsequent Update Encounter request (regardless of the editable status). For more information, @ see `EncounterRequestType` and `EpisodeRequestType`.

The **AIR Update Encounter API** is an update Web Service which will process the request and send a response message in real-time.

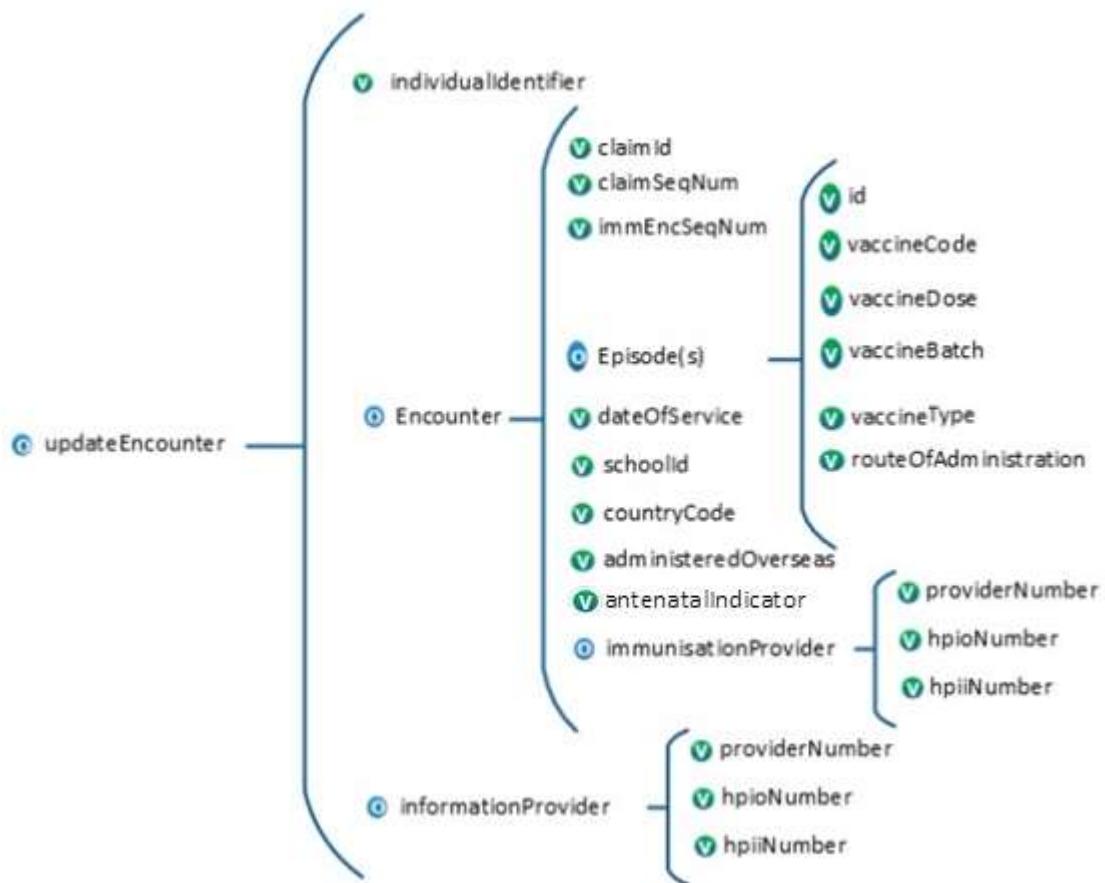
Following the positive identification of an individual and using their individual identifier, this service will:

- Validate the provider's authorisation to update an encounter,
- Determine if the encounter or episode is available to be updated,
- Record the update encounter, and
- Add the updated encounter information to their immunisation history as recorded on the AIR.

13.2 Message Structure

The message diagrams are indicative only. The YAML, as published in the Health Systems Developer Portal will be the source of truth.

13.2.1 Request Message - Data Structure Diagram



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

13.2.2 Request - Type definitions, Business Rules and Data Validations

Update Encounter request

13.2.2.1 UpdateEncounterRequestType

Name	Type	Size	Conditionality M/C/O/D	Description	Business Rules Validations
individualIdentifier	IndividualIdentifierType	1-128	M	This identifier is unique for an identified individual and is to be reused for subsequent requests.	@see Individual Identifier in the AIR Common Rules (TECH.SIS.AIR.01)
encounter	EncounterRequestType	N/A	N/A	This contains Update Encounter details	If a previously registered encounter can be updated For further business rules see the Update Encounter Request
informationProvider	ProviderIdentifierType	6-8	M	This contains the number of the information provider. This is the provider who is sending the information to the AIR, may not necessarily be the immunisation provider although can be. Note: The descriptions for HPI-I and HPI-O number values are outlined in ProviderIdentifierType in the AIR Common Rules (TECH.SIS.AIR.01).	@see Provider Identifier in the AIR Common Rules (TECH.SIS.AIR.01) If the provider is the same as the encounter it is the immunisation provider who originated the encounter

13.2.2.2 EncounterRequestType

Name	Type	Size	Conditionality M/C/O/D	Description	Purpose	Business Rules and Data Validations	Error codes
claimId	string	5-8	M	ClaimID of the encounter.	Matching	Must be valid format: Format: Alpha, numeric, special characters	AIR-E-1016
claimSeqNum	integer	N/A	M	Claim sequence number of the encounter.	Matching	Must be valid format: Format: Numeric characters	AIR-E-1016
immEncSeqNum	integer	N/A	M	Immunisation encounter sequence number of the encounter.	Matching	Must be valid format: Format: Numeric characters	AIR-E-1016
episodes	list	N/A	M	List of the episodes submitted in that encounter.	@see EpisodeRequestType	@see EpisodeRequestType	N/A
dateOfService	string	8	M	Date the encounter was administered	Update	Must be after Individual's date of birth.	AIR-E-1015
						Cannot be a future date.	AIR-E-1018

						If the date of service is invalid. For example, prior to 01011996.	AIR-E-1022
						If the update to Date of Service is greater than the original receipt date.	AIR-E-1056
schoollid	string	9	C	Unique school identifier for the encounter.	Update	Must be a valid format: Format: Numeric characters	AIR-E-1016
						Must be a valid school id.	AIR-E-1027
countryCode	string	3	C	Country/Region code of country/region where vaccination was administered	Update	Must be a valid ICAO country/region code Refer to <i>Record Encounter TECH.SIS.AIR.02</i> for list.	AIR-E-1017
						Country/Region code is required when administeredOverseas is 'true'	AIR-E-1079
						Country/Region code should not be supplied unless administered overseas.	AIR-E-1080
ImmunisationProvider	providerIdentifierType	N/A	O	Immunisation provider who administered vaccination	Update	If set, must be valid format	AIR-E-1016

						<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 (If less than 8 characters the numeric component will be filled with leading zeros prior to validation) <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’ 	AIR-E-1017
						If set, Immunisation provider number must exist and be current at the date of service (DOS) in the AIR System.	AIR-E-1028
administeredOverseas	boolean	N/A	O	Was the encounter administered overseas, true or false.	Update	<p>Boolean type. Valid values are ‘true’ or ‘false’.</p> <p>Cannot be true if you have provided a value for immunisation provider object (object includes provider number, HPII and HPIO).</p>	N/A
antenatalIndicator	Boolean	N/A	C	Indicates if the individual was pregnant at the	Update	Boolean type. Valid values are ‘true’ or ‘false’.	AIR-W-0077

				time of the encounter		The antenatal indicator is only mandatory for an individual if the following conditions are true: <ul style="list-style-type: none"> • Date of service >= antenatal.mandatory.from.date • Individual is aged between the minimum and maximum ages (inclusive) for when antenatal indicator is mandatory • Individual is with female gender 	
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13.2.2.3 EpisodeRequestType

Name	Type	Size	Conditionality M/C/O/D	Description	Purpose	Business Rules and Data Validations	Error codes
id	integer	1-6	M	Episode Sequence ID.	Matching	Must be a valid value.	AIR-E-1017
vaccineCode	string	1-6	M	Vaccine code of the submitted vaccine.	Update	Must be a valid format. Format: Alpha, numeric characters 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-1016 AIR-E-1023

						If the encounter has more than one episode with an equivalent vaccine.	AIR-E-1025
vaccineDose	string	1-3	M	Dose value of the submitted vaccine.	Update	<p>Must be a valid vaccine dose <i>Refer to Vaccine Code Formats User Guide</i></p> <p>Format: Alpha, numeric characters</p> <p>Valid values are 'B', or '1' to '20'².</p> <p>If vaccineDose is blank (with a space) OR does not have valid dose value</p>	AIR-E-1024
vaccineBatch	string	1-15	C	Batch code of the submitted vaccine.	Update	<p>Format: Alpha, Numeric characters. <i>Refer to Vaccine Code Formats User Guide</i></p>	AIR-E-1016

² **vaccineDose – Request**

B = Birth dose

1 to 20 = dose number

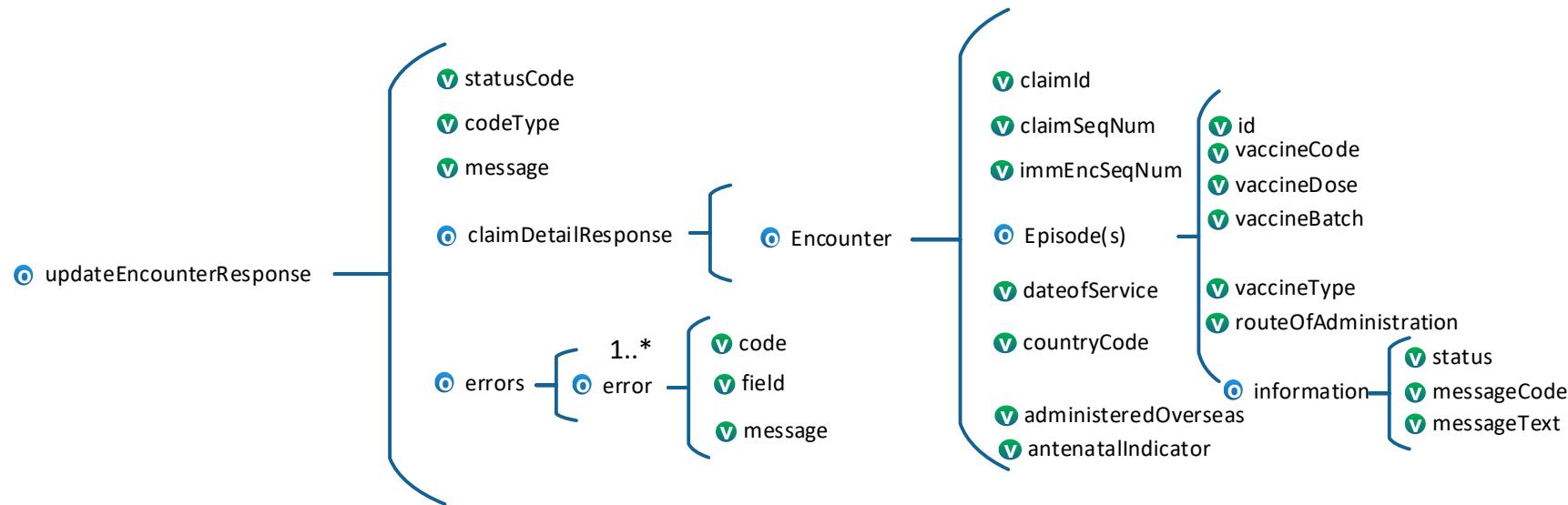
						Batch number is mandatory for {0} vaccines. <i>Refer to Vaccine Code Formats User Guide</i>	AIR-E-1081
vaccineType	String	0..3	C	Vaccine type provided in the request.	Update	Must be one of the values below: NIP OTH Note: NIP – NIP/Commonwealth OTH - Other <i>Refer to Vaccine Code Formats User Guide</i>	AIR-E-1084

					Vaccine Type and Vaccine Code are not compatible 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 2.6 - Vaccines Requiring Mandatory Vaccine Type; and - administered by information provider <i>Refer to Vaccine Code Formats User Guide</i> <i>Refer to Vaccine Code Formats User Guide</i> Note: vaccineType must display as 'Vaccine Type'	AIR-E-1086
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routeOfAdministration	String	0..3	C	Route of administration provided in the request.	Update	Must be one of the values below: PO SC ID IM NS Note: PO – Oral SC – Subcutaneous ID – Intradermal IM – Intramuscular NS – Nasal <i>Refer to Vaccine Code Formats User Guide</i>	AIR-E-1085
						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 <i>Refer to Vaccine Code Formats User Guide</i>	AIR-E-1088

13.2.3 Message Response - Data Structure Diagram

The message diagrams are indicative only. The YAML, as published in the Health Systems Developer Portal will be the source of truth.



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

Key: O = Object V = Value

13.2.4 Response – Type definitions, Business Rules and Data Validations

Update Encounter response

13.2.4.1 UpdateEncounterResponseType

Name	Type	Size	Conditionality M/C/O/D	Description	Data Validations Business Rules	Error codes
statusCode	Refer to AIR Common Rules (TECH.SIS.AIR.01)			If AIR-E-1067 is returned; Then, no Update Encounters are allowed.		AIR-E-1067 AIR-W-1062
codeType				If AIR-W-1062 is returned; Then, Update Encounters may be allowed.		
message						
encounter	EncounterResponseType	N/A	N/A	Contains Update Encounter details.	see @ EncounterResponseType	
errors	See @ErrorMessageType in AIR Common Rules (TECH.SIS.AIR.01)					

13.2.4.2 EncounterResponseType

Name	Type	Size	Conditionality M/C/O/D	Description
claimId	string	5-8	M	ClaimID of the encounter.
claimSeqNum	integer	N/A	M	Claim sequence number of the encounter.
immEncSeqNum	integer	N/A	M	Immunisation encounter sequence number of the encounter.
episodes	list	N/A	M	List of the episodes submitted in that encounter. @see EpisodeResponseType
dateOfService	string	8	M	Date the encounter was administered
schoold	string	0-9	C	Unique school identifier for the encounter.
countryCode	string	3	C	Country/Region code of country/region where vaccination was administered
administeredOverseas	boolean	N/A	O	Was the encounter administered overseas, true or false.
antenatalIndicator	Boolean	N/A	C	Antenatal indicator of the submitted encounter

13.2.4.3 EpisodeResponseType

Name	Type	Size	Conditionality M/C/O/D	Description
id	integer	1-6	M	Episode Sequence ID.
vaccineCode	string	1-6	M	Vaccine code of the submitted vaccine.

				<i>Refer to Vaccine Code Formats User Guide.</i>
vaccineDose	string	1-3	M	Dose value of the submitted vaccine. Examples are 'B', '1', '2' or 'V ¹ '.
vaccineBatch	string	1-15	C	Batch code of the submitted vaccine.
vaccineType	String	0..3	C	Vaccine type provided in the request.
routeOfAdministration	String	0..3	C	Route of administration provided in the request.

13.2.4.4 InformationType

Name	Type	size	Conditionality M/C/I/O/D	Description	Business Rules and Data Validations
status	string	1-20	M	The processing state in the AIR system.	Values: VALID or INVALID. INVALID status indicates that the episode requires further assessment and is not yet recorded in the AIR.
code	string	1-10	C	The reason associated to the processing status.	If status is VALID; then the reason code will be 'null'. If Status is INVALID; then the reason code may be returned. For example, AIR-W-0102. <i>Refer to AIR Message Code List User Guide.</i>

text	string	255	C	Reason code message text.	If reason code is INVALID; then the associated message text may be returned. For example, Duplicate antigen dose. Refer to <i>AIR Message Code List User Guide</i> .
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13.3 Notice of Integration (NOI) testing requirements:

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

- If a submitted encounter for an identified individual is to be updated; then provide evidence that only an editable encounter is available to be updated by the authorised provider.
- Following a successful Update Encounter for an identified individual; use the AIR Individual Immunisation History API to display the updated encounter information to the end user.
- If a submitted encounter for an identified individual is to be updated; then display the valid vaccines/brands for selection (i.e., drop down list, checkbox) to the end user.

14 APPENDIX A

Details of information displayed on AIR immunisation history statements

Item	Field	Description
1	As at (date)	The date the immunisation history statement was produced
2	For (name)	The individual whom the immunisation history statement is for
3	Date of birth	Individual's date of birth, as recorded by Medicare and/or the AIR
4	NIP immunisation status (only displays for individuals under 20 years of age)	NIP immunisation status displays: <ul style="list-style-type: none">• up to date – if an individual is not overdue for any immunisations• up to date/not up to date – Catch up schedule active until dd/mm/yyyy• not up to date – if an individual is overdue for at least one immunisation
5	Schedule (only displays for individuals under 10 years of age)	The age at which the vaccines are listed on the National Immunisation Program (NIP) Schedule (for example, 2, 4, 6 months)
6	Date given	Date the vaccine was given (in the date order they were given)
7	Immunisation	Disease antigens immunised against (for example, diphtheria)
8	Brand name given	Vaccination brand name given (for example, Infanrix – IPV).
9	Next NIP immunisation/s due	The diseases an individual needs to be immunised against. If there are multiple overdue dates, only single antigens will appear
10	Date due	Indicates when the next immunisations are due. This date may be in future (due) or past (overdue).
11	Notice/s	Notice/s appear on immunisation history statements under specific circumstances, in the Notice/s section at the bottom of the immunisation history statement.

Item	Field	Description
12	Coat of Arms watermark	The Australian Coat of Arms will display as a watermark on each page.

There are three Immunisation history statement templates, which vary based on the individual's age at the time it is generated. Please see examples below, noting these are samples only with fictitious information:

Immunisation history statement – Under 10 years



Australian Government
Services Australia

medicare

Immunisation history statement

As at: 05 November 2024
For: NICOLEY CRAIGY
Date of birth: 01 January 2018
NIP immunisation status: not up to date

Schedule	Date given	Immunisation	Brand name given
2 months	01 Mar 2018	Diphtheria Tetanus Pertussis Hib Hepatitis B Poliomyelitis Hexaxim	
4 months	01 May 2018	Diphtheria Tetanus Pertussis Hib Hepatitis B Poliomyelitis Hexaxim	
6 months	01 Jul 2018	Diphtheria Tetanus Pertussis Hib Hepatitis B Poliomyelitis Hexaxim	
12 months	01 Jan 2019	Measles Mumps Rubella	MMR II
	01 Feb 2019	Meningococcal ACWY	Menactra
18 months	01 Feb 2019	Measles Mumps Rubella	MMR II
	01 Jul 2019	Hib	Hiberix
		Diphtheria Tetanus Pertussis	Infanrix
		Measles Mumps Rubella Varicella	Priorix-Tetra
Other	08 Oct 2024	COVID-19	Comirnaty
	01 Nov 2024	Influenza	Afluria Quad

Next NIP immunisation/s due	Date due
Diphtheria Tetanus Pertussis	01 Jan 2022
Poliomyelitis	01 Jan 2022

**SAMPLE ONLY - DETAILS ON STATEMENT
GENERATED WITH TEST DATA**

Immunisation history statement – Over 10 years and under 20 years



Australian Government
Services Australia

medicare

Immunisation history statement

As at: 05 November 2024
For: BERTOLD HAMMOND
Date of birth: 30 March 2014
NIP immunisation status: not up to date

Date given	Immunisation	Brand name given
03 Jan 2023	COVID-19	Comirnaty
08 Feb 2023	Influenza	Afluria Quad
01 Mar 2023	Diphtheria Tetanus Pertussis Hib Hepatitis B Poliomyelitis	Hexaxim

Next NIP immunisation/s due	Date due
Measles Mumps Rubella	30 Mar 2015
Meningococcal C	30 Mar 2015
Varicella	30 Sep 2015
Diphtheria Tetanus Pertussis	01 May 2023
Hepatitis B	01 May 2023
Poliomyelitis	01 May 2023

Notice/s

SAMPLE ONLY - DETAILS ON STATEMENT
GENERATED WITH TEST DATA

Immunisation history statement – Over 20 years



medicare

Immunisation history statement

As at: 05 November 2024
For: TEST M COIN
Date of birth: 01 January 1975

Date given	Immunisation	Brand name given
01 May 2015	Influenza	Afluria Quad
01 May 2016	Influenza	Afluria Quad
01 May 2017	Influenza	Afluria Quad
01 May 2018	Influenza	Afluria Quad
01 May 2019	Influenza	Afluria Quad
01 Oct 2020	Influenza	Afluria Quad
01 Jan 2022	COVID-19	Comirnaty
02 Feb 2023	COVID-19	Spikevax
01 Jan 2024	COVID-19	Comirnaty Bivalent
		BA.4-5
01 Sep 2024	Influenza	Afluria Quad

Next NIP immunisation/s due	Date due
No vaccines due.	
Notices	

**SAMPLE ONLY - DETAILS ON STATEMENT
GENERATED WITH TEST DATA**

Within each Immunisation history statement there is information regarding the AIR and statement. This is displayed at the bottom of the document or on the next page, depending on whether the immunisation history statement is listed over multiple pages:

Disclaimer

The Australian Immunisation Register is a national register that records vaccinations given to people of all ages in Australia. Vaccinations given before 1 January 1996 are not displayed on the immunisation history statements.

NIP immunisations refer to immunisations required under the National Immunisation Program schedule only, not including COVID-19 vaccinations.

Every effort is made to ensure that personal information contained on the Australian Immunisation Register is correct. The accuracy of vaccination information is dependent on the quality and timeliness of information provided by vaccination providers.

Please contact your vaccination provider if any of the vaccination details shown on the immunisation history statements are not correct. Vaccination providers can call us on 1800 653 809 (call charges may apply) to provide updated vaccination information.

If you have any questions about this immunisation history statement, please contact the Australian Immunisation Register on 1800 653 809.

Privacy and your personal information

The privacy and security of your personal information is important to us, and is protected by law. We collect this information to provide payments and services. We only share your information with other parties where you have agreed, or where the law allows or requires it. For more information, go to servicesaustralia.gov.au/privacy

Services Australia collects personal information from recognised Australian vaccination providers and stores the information in the Australian Immunisation Register. The information is collected for purposes set out in section 10 of the *Australian Immunisation Register Act 2015*. The collection of this information is authorised by the *Australian Immunisation Register Act 2015* and section 130(5G) of the *Health Insurance Act 1973*.

SAMPLE ONLY

15 APPENDIX B

Acknowledgement text to be displayed for an Additional Vaccines Required update

Use this indicator for individuals who may require additional vaccines.

Consult the *Australian Immunisation Handbook* for advice and recommendations when vaccinating **special risk groups**. By adding or removing this indicator, you acknowledge the individual has given consent to update their record.”