



# Quality Improvement: Childhood Immunisation

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# Why should we have a Quality Improvement (QI) focus on childhood immunisations?

Routine childhood immunisations help protect children from the most serious childhood infections, some of which may threaten their lives. Children have their last routine immunisation at 4 years. This is a particularly important age group as they prepare for the transition from preschool to primary school.

The national aspirational target for all immunisations, including childhood immunisations is 95%. The Nepean Blue Mountains region is a high-performing region for immunisations. Our goal is to maintain our region's percentage above 95% and the QI focus will allow us to collectively achieve this.

The QI steps outlined below are for identifying your 5-year-old active patient cohort, but the age group can be altered if you would like to do additional immunisation QI work for other age groups. By continuing to identify your patients who have missed vaccinations or who are due for vaccinations, we can stay above the national aspirational target and improve the health of the children in our community.

#### Sources:

https://www.health.gov.au/health-topics/immunisation/when-to-get-vaccinated/immunisation-forinfants-and-children https://www.health.gov.au/node/38782/childhood-immunisationcoverage#:~:text=Australia's%20national%20aspirational%20coverage%20target,and%20other%2 0vaccine%2Dpreventable%20diseases.



# **Process Flow**



# **Identify Your Patients**

#### **PAT CAT Recipe**

You will need to start by generating a report to identify your 5-year-old patients who do not have all required immunisations recorded.

Under the CAT 4 section and 'General' tab, the recipe for 5-year-old data extraction is:

- Age
  - o Start Age: 5
  - o End Age: 5
  - o Select 'Yrs'
- Visit: select 'Any'
- Activity: select 'Active (3x in 2 yrs)'

Under the Active Report, select the 'Immunisations' tab, then select the 'Child' tab, followed by 'Child Schedule'.

Collect	Report	( Niew Population	Lil CAT 4	Cleansing CAT	Registrar CAT	Daily CAT	D D Programs							Clear	2 Filters	Recalculate	
<ul> <li>Filter</li> <li>General Ethin</li> <li>Gender</li> <li>Maie</li> <li>Female</li> <li>Other</li> <li>Not Stated</li> </ul>	nicity Condit	ions Medications DVA DVA < Any non DVA Health Cover	Date Range (Resul <b>Color</b> >	ts) Date Range (Vis Age Start Age End Age Ind Age Start Age	s S Mths	Patient Status Last Visit Any <pre>&lt; 6 mths</pre> 24 mths Date Range 14/10/2022	Providers Risk Fact First Visit None <pre>     </pre> <pre>         <pre></pre></pre>	tors MBS Attendance Custom F Activity	Has Not Visited in las		Postcode  Ind	nde 🔿 Exclude nde 🔿 Exclude (* wildcard)					
Please Select Yo	our GP Applica	ation from the Prefere	ences; Filtering By:	Age≥5 and ≤5, Act	tive Patient							Clear General					
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Influenza Pr	neumococcal	At Risk Adolescent	Adult Child Cl	OVID-19 Reports													
Child Schedu	le Child NKP	I Essential Immunisa	tions														
Status																	
Select All	Show Per	rcentage	-	-	-	-	-		_	-	-	-	-	Time	eline	Worksheet	Print



# Accessing the Australian Immunisation Register (AIR)

The AIR is a national register that records vaccines given to all people in Australia. From 1 July 2021, it became mandatory of vaccination providers to report to the AIR all National Immunisation Program (NIP) vaccines administered.

#### Sources:

https://www.servicesaustralia.gov.au/what-australian-immunisation-register?context=22436 https://www.health.gov.au/news/mandatory-reporting-of-national-immunisation-program-vaccinesto-the-australian-immunisation-register-began-on-1-july-2021

#### Accessing the AIR via Best Practice

- 1. Search for the patient's record: Press F2 on the home screen and enter the patient's details
- 2. On the left-hand side of the page, click on the Immunisation tab
- 3. Then click on 'View AIR'

Name: Caleb D Address: 4 Old Te Medicare No: 295075 Occupation: Retried Blood Group:	Interfield Road Paddys I     O711 - 1     Rativay Worker	Flat 2632 Record No.:	でき ひ.O.E Phon Pensi Toba	3.: 15/06/1 e: (m) 0455 ion No.: cco: Exhea	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Birth Sex: Male Email: patient@te Comment: Alcohot	Family members: Mr C 2m 12s	Elite sports:     Advance Health	Wy Health Re orded Pronoun Ethnicity Directive:
Allergies / Adverse Dru	g Reactions:	Beactions	Notification	18K					
ltem Penicilin	Reaction Urticaria	Severity Moderate	Type Preventive Preventive Preventive Preventive Preventive	a health a health a health a health a health	Due         F           31/10/2022         Iw           31/10/2022         V/           31/10/2022         V/           31/10/2022         V/           31/10/2022         A           31/10/2022         A	leason Nuenza vaccination sho accination against pneu accination against shing Dementia Risk Assess Medication Review sho	auld be considered macaccus is duel jes should be considered nent should be considered auld be considered		
Expand C	ollapse		Add	Edit	Delete	Print			
- 👗 Mr Caleb D	errington		Vie <u>w</u> AIR	Check All	R Access				
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4. The report will then appear with the patient's immunisation history.

neral	Immunisation H	History:					
_	Date	Vaccine Brand	Dose	Status	Editable	Action Req	Reason Code
-1	03/06/2022	Vaxigrip Tetra	V	Valid	N	N	
-	05/01/2022	Pfizer Comimaty	V	Valid	N	N	
_	25/09/2021	Generic Yellow Fever	V	Valid	N	N	
story	06/05/2021	Pfizer Comimaty	V	Valid	N	N	
	15/04/2021	Pfizer Comimaty	V	Valid	N	N	
TOP	22/03/2021	Afluria Quad	V	Valid	N	N	
	15/09/2020	Priorix	V	Valid	N	N	
edical	31/03/2020	Afluria Quad	V	Valid	N	N	
indications	18/03/2019	Afluria Quad	V	Valid	N	N	
$\sim$	22/02/2019	Priorix	V	Valid	N	N	
	05/04/2018	Fluarix Tetra	V	Valid	N	N	
	20/09/2017	Boostrix	V	Valid	N	N	
al Immunity	29/08/2017	MMRII	٧	Valid	N	N	
	08/09/2008	Human Papillomavirus	3	Valid	N	N	
JEE!	26/05/2008	Human Papillomavirus	2	Valid	N	N	
	29/02/2008	B Human Papillomavirus	1	Valid	N	N	
cine Trials	09/12/1999	Oral Polio	3	Valid	N	Ν	
	09/12/1999	Generic MMR	2	Valid	N	N	



#### Accessing the AIR via Medical Director

- 1. Search for the patient's record
- 2. Click on the 'Imm' tab
- 3. Then select 'Immunisation History'
- 4. The patient's immunisation history will show at the bottom of the screen

Due Vaccine	s		, modical Ex	amptione		1	
Disease	[	Dose	Due Date				^
Tetanus	2		05/01/2022				
Diphtheria	2		05/01/2022				
Pertussis	2		05/01/2022				
Varicella	1		27/07/2019				
Meningococc	al ACWY 1		27/01/2019				
Mumps	1		27/01/2019				~
Immunisation	History						
Date	Vaccine/Brand		Dose	Status	Reason Code	Message	
05/11/2021	AFLURIA QUAD		1	VALID			
05/11/2021	ADACEL		1	VALID			
Red - Actio	n Required	Black - Edi	itable BI	ue - Not E	ditable		
	Due Vaccine Disease Tetanus Diphtheria Pertussis Varicella Meningococc Mumps Immunisation Date 05/11/2021 05/11/2021	Due Vaccines       Disease       Tetanus     2       Diphtheria     2       Pertussis     2       Varicella     1       Meningococcal ACWY     1       Mumps     1       Immunisation History       Date     Vaccine/Brand       05/11/2021     AFLURIA QUAD       05/11/2021     ADACEL	Due Vaccines       Disease     Dose       Tetanus     2       Diphtheria     2       Pertussis     2       Varicella     1       Meningococcal ACWY     1       Mumps     1       Immunisation History       Date     Vaccine/Brand       05/11/2021     AFLURIA QUAD       05/11/2021     ADACEL	Due Vaccines         Dose         Due Date           Tetanus         2         05/01/2022           Diphtheria         2         05/01/2022           Pertussis         2         05/01/2022           Varicella         1         27/07/2019           Meningococcal ACWY         1         27/01/2019           Immunisation History         Date         Vaccine/Brand         Dose           05/11/2021         AFLURIA QUAD         1         05/11/2021         ADACEL         1	Due Vaccines         Dose         Due Date           Disease         Dose         Due Date           Tetanus         2         05/01/2022           Diphtheria         2         05/01/2022           Pertussis         2         05/01/2022           Varicella         1         27/07/2019           Meningococcal ACWY         1         27/01/2019           Immunisation History         Date         Vaccine/Brand         Dose         Status           05/11/2021         AFLURIA QUAD         1         VALID         05/11/2021         ALID           05/11/2021         ADACEL         1         VALID         05/11/2021         Date         Vaccine / Brand         Dose         Status	Due Vaccines         Dose         Due Date           Tetanus         2         05/01/2022           Diphtheria         2         05/01/2022           Pertussis         2         05/01/2022           Varicella         1         27/07/2019           Meningococcal ACWY         1         27/01/2019           Immunisation History         Dose         Status         Reason Code           05/11/2021         AFLURIA QUAD         1         VALID           05/11/2021         ADACEL         1         VALID	Due Vaccines       Disease     Dose       Due Date       Tetanus     2       Diphtheria     2       2     05/01/2022       Pertussis     2       2     05/01/2022       Varicella     1       2     1       2     05/01/2022       Varicella     1       2     05/01/2022       Varicella     1       2     05/01/2019       Mumps     1       2     05/01/2019       Immunisation History       Date     Vaccine/Brand       Dose     Status       Reason     Code       05/11/2021     AFLURIA QUAD       1     VALID

#### Accessing the AIR via PRODA / HPOS

#### PRODA

Provider Digital Access (PRODA) is an online identity verification and authentication system. It lets you securely access online government services. PRODA is digital and portable across internet enabled devices allowing you to use PRODA anywhere. You can access a number of services using PRODA, including Health Professional Online Services (see next), Medicare Online, Pharmaceutical Benefits Scheme Online (PBS Online), etc. You can register for PRODA <u>here</u> if you don't' already have one.

#### **HPOS**

Health Professional Online Services (HPOS) is a simple and secure way for eligible providers and healthcare organisations to do business with Services Australia. You can nominate someone to do tasks on your behalf in HPOS, including access to the AIR. When the practice does this, that person becomes the practice's delegate. The person nominated must have their own PRODA account. Administrative staff can be a delegate for multiple providers.



#### Instructions for providers nominating a new HPOS delegate

You must use your delegate's valid Registration Authority (RA) number to nominate a delegate. You can get the RA number from your PRODA account email.

#### How to nominate a new delegate

- 1. Log on to HPOS
- 2. Select 'My details'
- 3. Select 'My delegates'
- 4. Select 'Add new delegate'
- 5. Enter the RA number for your nominated delegate, then select 'Search'. If you use an invalid or expired RA number, you can't go any further.
- 6. The delegation end date will be the default 12-month period. You can enter another end date up to the maximum 12-month period.
- You can unselect services from the list (these are the services that you do not want your delegate doing on your behalf). Some services can be delegated based on your provider number/s issued for your location/s.
- 8. Select 'Nominate' to confirm the delegate to act on your behalf. The new delegate will appear in the 'My delegates' list.

#### Logging in:

- 1. Go to https://www.servicesaustralia.gov.au/proda-provider-digital-access#a2
- 2. Log on to your PRODA individual account
- 3. Under My Linked Services the Health Professional Online Services (HPOS) tile will display
- 4. Click on 'Go to Service' on the tile to access HPOS
- 5. Click on 'No Organisation Proceed as an individual only', then 'Continue'

lealth Protessional On	line Services (HPOS)
Organisation	
Please choose an organisation to act on behalf of:	
No Organisation - Proceed as an individual only	
OPRODA Organisation	
Cancel	Continue



- 6. From the 'My providers' table, select in the action column for the relevant provider
- 7. Select 'My programs'
- 8. Click on the 'Australian Immunisation Register (AIR)' tile

-	Australian Immunisation Register (AIR)	Department of Veterans' Affairs (DVA)	PBS Stationery Online Ordering	Prescription Shopping Patient Summary reports
	Rural Incentive Programs	Therapeutic Goods Administration (TGA) Recall/Hazard Alerts	Workforce Incentive Program (WIP) - Doctor Stream	
		Recally 1920 G Arci 13	Sucan	

#### Identifying patient details

- 1. To search for your patient, on the left-hand menu, select 'Identify Individual'.
  - If the **patient is eligible for Medicare**, you can find the patient's AIR record by entering their Medicare number and Individual Reference Number (IRN).
  - If the **patient is not eligible for Medicare**, look them up by entering their surname, first name and date of birth.
- 2. If the AIR finds a unique match, the 'Individual details' page will display their immunisation details.

#### Sources:

https://www.servicesaustralia.gov.au/proda-provider-digital-access https://www.servicesaustralia.gov.au/hpos https://www.servicesaustralia.gov.au/managing-hpos-delegations?context=22786



# Update your clinical software

Cross-check the immunisation report with the details in the clinical software. This report will show you the patient's immunisation history. Once cross-referenced against the information in your clinical software, your clinical software will need to be updated to reflect the correct information.

#### **Update via Best Practice**

- 1. Select 'Add'
- 2. Choose the correct vaccine from the list provided
- 3. Under 'Billing Provider', select 'Not given here' from the drop-down list
- 4. Enter the date that appears on the report from the AIR
- 5. **DO NOT** select the 'Send to AIR' box
- 6. Select 'Save'

cord No.:	k Immunisation ×
	Available Vaccines
	Vaccine Vaccinates Against ^
Reactions	ACAM2000 Monkeypox
	ActHib HIB
	Adacel Diphtheria, Pertussis, Tetanus
	Adacel Polio Diphtheria, Pertussis, Tetanus, Poliomyelitis
	ADT Diphtheria, Letanus
	Aliuna dudu iniluenza
Add	Billing Provider Given By
	Not given here
VIEWAIR	
Date Status	Date and man I have Australia
0/03/2012 Given	Date: 30/11/2022  Country: Australia
0/05/2013 Given 3/05/2014 Given	Route: IMI SC Oral Intradermal Site: V Sequence: 1
5/07/2017 Given	
	School ID: V Serial No.:
	Batch No.: Expiry: 30/11/2022 - Save batch details
	Comment
	×
	Send reminder 30/11/2022

You will now be able to identify which vaccinations your patient has not received.



#### **Update via Medical Director**

- 1. On the main screen of the patients file, click on 'Imm'
- To add an immunisation, click on the +
- 3. If you have identified that the vaccination was provided elsewhere, click on the box 'Vaccine given elsewhere'

Imm.

4. Complete the details from AIR in the 'Vaccination Window', then select 'Save'

/accinator:	Given elsewhere	$\vee$
Consent provided by:	Vaccinal	tion declined
Date:	28/11/2022 🗸	
Гуре:	v	
Site:	¥	
Sequence:		
Batch No:	Store batch No	
/accine serial no:		
Comment:	2	Scan barcode
		$\hat{}$

## **Patient Reminders**

Reminders are a part of preventative care and a proactive way of promoting health care. Use your practice's software and internal processes to remind the parents/guardians of your overdue 5-yearolds that vaccines are due and recommended for the patient.

Source: https://www.mcnsw.org.au/recalls-and-reminders-do-you-know-your-obligations

## **Catch-up Calculator**

The <u>National Immunisation Catch-up Calculator (NICC)</u> is available through the Australian Immunisation Handbook. The NICC currently includes catch-up information for all healthy children under 10 years of age (it cannot be used for children over 10, adolescents, or adults), and provides a catch-up schedule for any missed or delayed National Immunisation Program (NIP) vaccines.

Please note that if the parent/guardian does not adhere to the dates provided on the catch-up schedule, the patient's immunisation information will need to be re-entered to ensure you are using the most up-to-date schedule.

The calculator can be located: <u>https://immunisationhandbook.health.gov.au/catch-up-</u> calculator/calculator