



CATCH UP VACCINATION CHILDREN AND ADULTS

LYNNE ADDLEM

NURSE PRACTITIONER

IMMUNISATION SERVICE

ROYAL CHILDREN'S HOSPITAL, MELBOURNE

- Catch up vaccination is not easy
- It can be very confusing and complicated
- Its ok to take your time and ask for help

RESOURCES AVAILABLE

Resource. Catch-up worksheet for children <10 years of age for National Immunisation Program vaccines

Use this worksheet alongside other [catch-up resources](#) in this handbook.

Catch-up worksheet

Name: _____

Date of this assessment: _____

Date of birth: _____

Age at this assessment: _____

Vaccine	Last dose given (dose number and date)	Number of doses needed at current age	Dose number due now	Further doses (interval or date)	Comments
DTPa					
Poliovirus (IPV)					
Hepatitis A					
Hepatitis B					
Hib					
Pneumococcal (13vPCV)					
Pneumococcal (23vPPV)					
Meningococcal					
MVH					
Rotavirus					DO NOT give after upper age limit for each dose. See Schedules
Varicella					

Source: Australian Immunisation Handbook

Australian Immunisation Register immunisation history form (IM13)

When to use this form
Use this form when the Australian Immunisation Register (AIR) does not have the complete immunisation history for an individual and another vaccination provider performed the service. You can record an individual's immunisation history online through the AIR site or your practice management software (PMS), instead of using this form.

Proof of immunisation
Obtain proof of immunisation before completing Part B of this form and the declaration in Part C (such as written documentation or confirmation from the last vaccination provider).

Immunisation history

Part A - Individual's details

- Record the personal details of the individual.
- Check the individual's immunisation history on the AIR using Health Professional Online Services (HPOS), the AIR site, or by phoning the enquiry line on 1800 653 909. Call charges may apply.

Part B - Immunisation details

- Under the Australian Immunisation Register Act 2015, it is mandatory to report National Immunisation Program (NIP), COVID-19, influenza and Japanese encephalitis virus vaccines administered in Australia to the AIR. This includes reporting the vaccine batch number.
- List the vaccine batch number in the Batch column. If the vaccine was administered overseas and the Batch number is not available, please enter 'not recorded' in the field.
- The AIR only records immunisations given on or after 1 January 1996.
- The Age column is the recommended age at which a vaccine is administered.
- If you do not know the vaccine brand name, you can write the generic term in the Other (specify) section (for example, DTPa instead of Infanrix).
- If the individual has received a vaccination for an antigen not shown on the form, write the vaccine brand name or antigen in the Other (specify) section.

Immunisations given overseas

- It is a requirement for the generation of the International COVID-19 Vaccination Certificate to display the country of administration. If any COVID-19 immunisations were given to the individual while overseas, it is recommended that you report the country of administration to enable the individual to access the certificate.
- Write the generic vaccine term in the Other (specify) section if you do not know the vaccine brand name, or if it has not been in use in Australia (for example, DTP for a diphtheria, tetanus and pertussis vaccine, as the vaccine term is well known).

Part C - Vaccine provider's details and declaration

- A recognised vaccination provider must complete Part C, for example, general practitioners, counsellors or health services.
- Supply your Medicare provider number (for medical practitioners) or AIR registration number (for other vaccination providers) in the space provided.

For more information
Go to servicesaustralia.gov.au/air

Filling in this form
You can complete this form on your computer using Adobe Acrobat Reader, and some browsers, or you can print it. If you have a printed form:
• Use black or blue pen.
• Print in BLOCK LETTERS.

Part A - Individual's details

1 Medicare card number Ref no.

or Individual Healthcare Identifier (if known)

2 Family name

First given name

Second given name

3 Postal address

Postcode

4 Date of birth (DD MM YYYY)

5 Gender
Male
Female

MCAM013.008

Source: Services Australia

Part B - Immunisation details - Only immunisations that are not already recorded on the AIR need to be included on this form.

The AIR only records immunisations given on or after 1 January 1996.

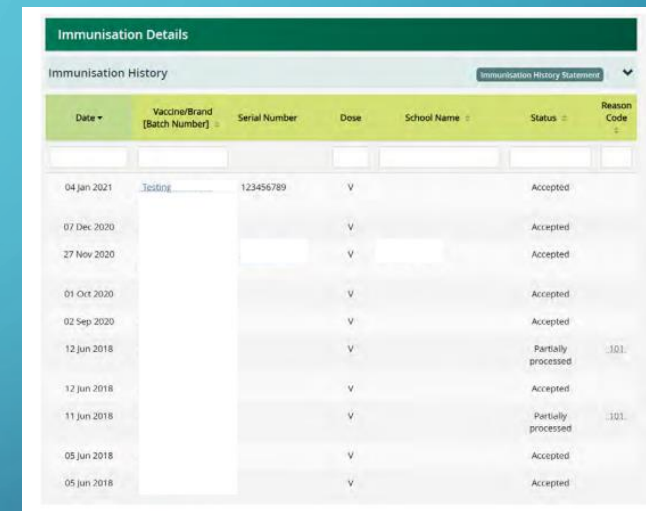
Age	Vaccine given (mark with an X)	Batch number	Date of immunisation	If given overseas
Birth	Engerya B <input type="checkbox"/> A-D-MSA X <input type="checkbox"/>		/ /	<input type="checkbox"/>
	Infanrix hexa <input type="checkbox"/> Varivax <input type="checkbox"/>		/ /	<input type="checkbox"/>
	Oral Polio <input type="checkbox"/>		/ /	<input type="checkbox"/>
	Prevenar 13 <input type="checkbox"/>		/ /	<input type="checkbox"/>
2 months	Rotarix <input type="checkbox"/>		/ /	<input type="checkbox"/>
	Other (specify) <input type="text"/>		/ /	<input type="checkbox"/>
	Infanrix hexa <input type="checkbox"/> Varivax <input type="checkbox"/>		/ /	<input type="checkbox"/>
	Oral Polio <input type="checkbox"/>		/ /	<input type="checkbox"/>
4 months	Prevenar 13 <input type="checkbox"/>		/ /	<input type="checkbox"/>
	Rotarix <input type="checkbox"/>		/ /	<input type="checkbox"/>
	Other (specify) <input type="text"/>		/ /	<input type="checkbox"/>
	Infanrix hexa <input type="checkbox"/> Varivax <input type="checkbox"/>		/ /	<input type="checkbox"/>
6 months	Oral Polio <input type="checkbox"/>		/ /	<input type="checkbox"/>
	Other (specify) <input type="text"/>		/ /	<input type="checkbox"/>
	M-M-R II <input type="checkbox"/> Priorix <input type="checkbox"/>		/ /	<input type="checkbox"/>
	Menaxix <input type="checkbox"/>		/ /	<input type="checkbox"/>
12 months	Prevenar 13 <input type="checkbox"/>		/ /	<input type="checkbox"/>
	Other (specify) <input type="text"/>		/ /	<input type="checkbox"/>
	Priorix-Tetra <input type="checkbox"/> ProQuad <input type="checkbox"/>		/ /	<input type="checkbox"/>
	Triplex <input type="checkbox"/> Infanrix <input type="checkbox"/>		/ /	<input type="checkbox"/>
18 months	Acaxil <input type="checkbox"/>		/ /	<input type="checkbox"/>
	Other (specify) <input type="text"/>		/ /	<input type="checkbox"/>
	Infanrix IPV <input type="checkbox"/> Quadrax <input type="checkbox"/>		/ /	<input type="checkbox"/>
	Oral Polio <input type="checkbox"/>		/ /	<input type="checkbox"/>
4 years	Other (specify) <input type="text"/>		/ /	<input type="checkbox"/>
	Guardin B <input type="checkbox"/> Boostrix <input type="checkbox"/>		/ /	<input type="checkbox"/>
	Menaxix <input type="checkbox"/>		/ /	<input type="checkbox"/>
	Other (specify) <input type="text"/>		/ /	<input type="checkbox"/>
Adolescent 12-16 yrs	Other (specify) <input type="text"/>		/ /	<input type="checkbox"/>
	Prevenar 13 <input type="checkbox"/>		/ /	<input type="checkbox"/>
	Zostavax <input type="checkbox"/>		/ /	<input type="checkbox"/>
	Other (specify) <input type="text"/>		/ /	<input type="checkbox"/>
Adult 70 yrs+	Other (specify) <input type="text"/>		/ /	<input type="checkbox"/>
	Other (specify) <input type="text"/>		/ /	<input type="checkbox"/>

HOW TO APPROACH

- Be methodical
- Transcribe vaccines and dates onto catch up worksheet
 - This will make it clearer
- Keep minimum intervals and age limits in mind
- Ask families to have it translated
- Majority of countries have a relatively similar schedule to Australia
 - Timing may be different or less antigens vaccinated against.

CATCH UP VACCINATION- COMMON THEMES

- Scheduled vaccines given <6 weeks of age, are not valid doses.
- Hepatitis B- Birth + 2 schedule
 - AIR will accept as valid.
 - 3rd dose must be >24 weeks of age, if not, booster required
- Oral Polio
 - AIR will not accept birth dose
 - SE Asian countries may give many doses of oral Polio
- Vaccination schedule 2, 3, 4 months
 - This is ok for DTP/IPV/HIB
 - AIR may not accept 3rd HIB given <6 months of age
 - A phone call to AIR will rectify this, it is a valid dose
 - 3rd dose of Hepatitis B must be >24 weeks of age, minimum 8 weeks post dose 2.



Date	Vaccine/Brand [Batch Number]	Serial Number	Dose	School Name	Status	Reason Code
04 Jan 2021	Testling	123456789	V		Accepted	
07 Dec 2020			V		Accepted	
27 Nov 2020			V		Accepted	
01 Oct 2020			V		Accepted	
02 Sep 2020			V		Accepted	
12 Jun 2018			V		Partially processed	:101
12 Jun 2018			V		Accepted	
11 Jun 2018			V		Partially processed	:101
08 Jun 2018			V		Accepted	
05 Jun 2018			V		Accepted	

CATCH UP VACCINATION- COMMON THEMES

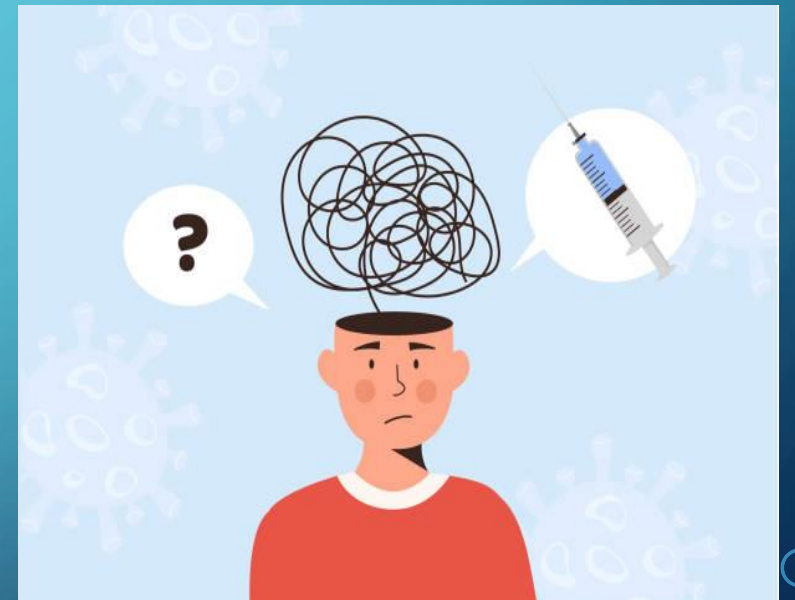
- Measles or Measles/Rubella dose 1 given at 9 months of age
 - This does not count as a valid dose
 - Children must have 2 doses of an MMR vaccine >12 months of age
- Meningococcal A/C or A
 - Common in China
 - Meningococcal ACWY is required for children born after July 2018
 - Offer a dose of ACWY to all newly arrived children, if not had.
 - Meningococcal is not on many SE Asian schedules
- Pneumococcal
 - Ensure one dose given >12 months of age in children <5yrs

REFUGEES- WHAT IF THERE IS NO HISTORY?

- Majority of families will have come through correct channels
 - Health screening done on arrival
 - Vaccines may have been completed off shore
 - If not, consider referral to immigrant health service
- Has the child been vaccinated previously?
 - Yes- Serology- MMRV, Hepatitis B
 - No or unsure- Start over
 - Repeated doses of vaccines will not cause harm

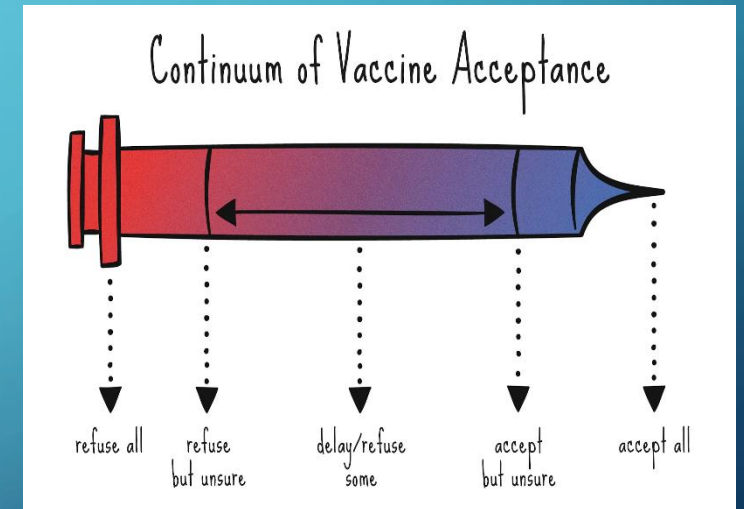
THE PARTIALLY VACCINATED CHILD- HESITANCY

- It's ok to have questions about vaccination
 - Don't judge or berate the parent
 - Do not tell them it's the NIP or nothing
 - Do not force vaccination on the family
 - Don't send them away with no information
- Be open to having a conversation about vaccines and the national schedule
 - It's ok not to be an expert, be open with the family
 - If you're not sure, look at available resources
 - If there are a lot of questions refer on to tertiary service
 - RCH Immunisation Service
 - Monash Immunisation Service



HESITANCY RESOURCES

- National Centre for Immunisation Research and Surveillance
<https://ncirs.org.au/>
- Sharing Knowledge about Immunisation
<https://skai.org.au/>
- Children's Hospital of Philadelphia- Vaccine Education Centre
<https://www.chop.edu/centers-programs/vaccine-education-center>
- Question's about Vaccination Booklet- Australian Govt Publication
 - <https://www.health.gov.au/resources/publications/questions-about-vaccination?language=en>



<https://coronavirus.jhu.edu/vaccines/report/building-trust-in-vaccination>

VACCINE HESITANCY- COMMON THEMES

- Multi-generational views
 - Marriage to pro-vaccination partner – conflict
- Older children who are fully vaccinated
 - One child diagnosed with ASD
 - Further children partially or not vaccinated
- An adverse event that was not reported or followed up correctly
 - Parents stopped vaccinating out of fear
- Parental Anxiety
- Too much research...

CATCH UP OF THE PARTIALLY VACCINATED CHILD

- Use AIR as a guide
- Look at what is due and how you can group vaccines together
- Use catch up calculator
- Some children will have had scheduled vaccines before stopping
 - Continue on with schedule
 - Remember required spacings
 - Particularly 6 months between dose 3 and 4 of DTPa

Due Details		
Disease	Dose	Due Date
Diphtheria	4	26 Oct 2017
Measles	2	
Mumps	2	
Pertussis	4	
Rubella	2	
Tetanus	4	
Varicella	1	
Poliomyelitis	4	26 Apr 2020

Immunisation Details

INFANRIX HEXA™/VAXELIS™ TO SPLIT OR NOT?

- One of the most common questions
- Why it is not recommended to split out the vaccine
 - Go from 1 vaccine 3 times to 4 vaccines 3 times..
DTP/IPV/HEPB/HIB
 - Each additional vaccine carries with it
 - Pain from vaccination
 - Additional additives and preservatives
 - Possible risk of side effects with each vaccine

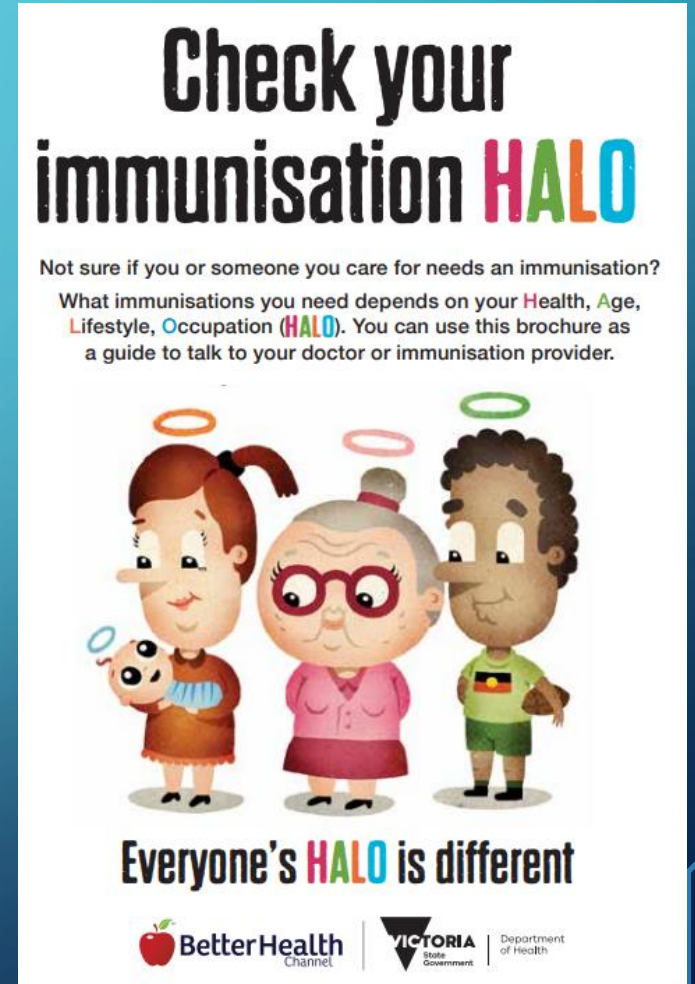


CONSIDERATIONS

- An alternative schedule is ok
- Completing one vaccine at a time is acceptable
- Confidence in vaccination should grow as they move through the schedule
- Take each vaccine given as a win


ADULT CATCH UP VACCINATION

- H – Health- associated medical conditions such as asthma, diabetes, asplenia
- A – Age- different age groups need protection from different diseases
- L – Lifestyle- choices such as travel, smoking or sexuality
- O – Occupation- risk of exposure to disease or occupational hazards
- Serology- MMRV, Hepatitis B/A



Check your immunisation HALO

Not sure if you or someone you care for needs an immunisation?
What immunisations you need depends on your Health, Age, Lifestyle, Occupation (HALO). You can use this brochure as a guide to talk to your doctor or immunisation provider.



Everyone's HALO is different

BetterHealth Channel | VICTORIA State Government | Department of Health

ADULT CATCH UP VACCINATION- EXAMPLES

- Pertussis – Lifestyle (pregnancy), Occupation (childcare)
- Tetanus- Lifestyle (travel), Occupation (builder)
- Rubella- Lifestyle (pregnancy)
- Influenza- Age (elderly), Lifestyle (smoking), Health (obesity)
- Meningococcal- Age (young adult), Lifestyle (travel)
- Hepatitis A- Occupation (Plumber), Lifestyle (MSM)

HALO APPROACH

Don't forget **COVID** vaccine!

If you tick any of the boxes, you, or someone in your care, may need a vaccination. If you are not sure of your answer mark the box with a question mark. Remember, this is a conversation starter, not a diagnosis! Discuss your HALO with your doctor or immunisation provider.

Health

- I want to avoid catching the flu (influenza) ▼
- I am not sure if I have been vaccinated or have missed some vaccines ✕
- I am pregnant ▼▼
- I am planning to get pregnant ◆✕
- I have an ongoing health issue ▼◆
- I have a defect or deficiency of complement components ●
- I have no spleen or a problem with my spleen ▼◆●◆
- I have had invasive pneumococcal disease ◆
- I have not had chickenpox ✕
- I am or will be on treatment with eculizumab ●
- I live with a person who has Hepatitis B ●
- I was born in a priority hepatitis B endemic country and arrived in Australia in the last 10 years ●
(Priority countries include China, Philippines, Malaysia, Vietnam, Afghanistan, Thailand, South Korea, Myanmar (Burma) Indonesia, Singapore, Hong Kong, Taiwan and Cambodia)
- I have Hepatitis B/C ✕/✕●
- I am, or care for, a person with developmental disabilities ▼✕●
- I have a BMI ≥40kg/m² ▼
- I am immunocompromised ▼◆▼●
- I have a cochlear implant or intracranial shunt ◆

Lifestyle

- I plan to travel overseas soon ●
- I smoke tobacco ▼◆
- I have, or will soon have, close contact with a newborn baby ▼
- I have, or plan to have, a tattoo or body piercing ●
- I am a man who has sex with men ✕●▼●
- I inject drugs ✕●

Age

- I am the parent/guardian of children aged 0–19 years ✕
- I was born since 1966 and have not had two measles-mumps-rubella vaccines ◆
- I am aged from 50 years ▼
- I am aged from 60 years ●
- I am aged from 65 years ▼▼●
- I am aged from 70 years ◆
- I identify as an Aboriginal and/or Torres Strait Islander person aged from 6 months of age and over ▼●
- I identify as an Aboriginal and/or Torres Strait Islander person aged from 50 years ◆▼●●

Occupation

- I work with children ▼◆✕▼✕
- I am a healthcare worker ▼●▼◆✕
- I work in an emergency service or essential community service ▼●▼/▼◆
- I work in a residential care facility ▼◆✕
- I care for, or live with, someone with reduced or impaired immunity ▼
- I work in an abattoir or with farm animals or breed cats and dogs ▼✕
- I am a plumber or sewerage worker ✕▼/▼
- I am a sex industry worker ✕●
- I may handle Australian bats ◆
- I am exposed to blood and body fluids or human tissue at work ●

The following vaccines may be recommended by your doctor or immunisation provider:

- | | |
|-------------------------------------|--|
| ▼ Influenza (flu) | ✕ Q Fever |
| ◆ Pneumococcal | ● Shingles |
| ✕ Hepatitis A | ▼ Diphtheria-tetanus |
| ● Hepatitis B | ◆ <i>Haemophilus influenzae</i> type b |
| ▼ Diphtheria-tetanus-whooping cough | ✕ Review the information over the page as a guide. Children and some adults are eligible for free recommended immunisations as per the Immunisation schedule Victoria ¹ . |
| ◆ Measles-mumps-rubella | ● A detailed travel consultation should be undertaken to discuss all health risks. |
| ✕ Chickenpox | |
| ● Meningococcal | |
| ▼ Human papillomavirus | |
| ◆ Rabies | |

¹ <https://www.health.vic.gov.au/public-health/immunisation/>

Internal

Thankyou for listening.

Please feel free to contact me

Lynne.addlem@rch.org.au