

Immunisation Catch Up Calculator & Immunisation Update

WellSouth Practice Nurse Conference

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Presentation Outline

- WellSouth Immunisation Catch Up Calculator
 - <https://immuncalc.tempsite.nz/>
 - Log In: calc
 - Password: immunity321
- Immunisation Update
 - Immunisation Resources
 - Aotearoa Immunisation Register (AIR) Update for General Practice
- Q& A

WellSouth Immunisation Catch Up Calculator

Background:

- The WellSouth Immunisation Catch Up Calculator was designed in 2018 to address the challenges of converting Migrant Childrens Overseas Immunisation records to the New Zealand Immunisation Schedule
- Clinical Review was undertaken by Ministry of Health Immunisation Team & IMAC (2018)
 - Clinical Audit of 134 previous (manual) Catch Ups (Southern DHB: 2018)
- Immunisation Coordinators have been using the Calculator since 2019
 - roll out has been delayed while we sort PMS / NIR Data Entry
- It differs in process and intent to the Gen2040 Best Care Immunisation Catch Tool;
 - This tool calculates Overdue Catch-Up from records already in the PMS.
- Immunisation Co-ordinator support will remain available for difficult Catch Ups
- We also have a supporting Interpretation Tick Sheet available
- ***Our aim is to get the Calculator ‘writing’ directly into Aotearoa Immunisation Register (AIR)***

How The Calculator Works

- The Immunisation Calculator measures against the current New Zealand National Immunisation Programme (NIP) **for children prior to their 10th birthday.**
- It is an API - ***Application Programme Interface***; a software intermediary that allows 2 applications to talk to each other
- It is designed as a Clinical Tool – rather than an Administration Tool
- The Calculator must only be used where there is a sighted Immunisation Record
- All results should be checked against the Principals of Catch Up as per the Immunisation Handbook Appendix 2
- The Calculator uses an Antigen Count:
 - Data is entered by Antigen - to allow for international differences in vaccine combinations
 - Doses are counted by Antigen
 - Catch Ups are reported by Antigen
- ***The Vaccinator is required to determine the most appropriate NZ Schedule vaccine combination for vaccination against the Plan***

How The Calculator Works (continued)

- The Tool does not save any information (*no Privacy Considerations*)
 - The Calculation Outcome can be printed or saved as PDF
- Dates are Entered via the drop-down Calendar, or written directly into the Date Field
- The Catch-Up Plan documents 'Due Today' with future Spacing & Dates
 - NB the dates are only relevant if the vaccination is given on the day
 - You may wish to rerun the Calculator at the next visit
- The Catch-Up Plan has a Notes Section that provides the rationale for any exclusions
- The 'Help and Support' page will be updated in a planned upgrade

Antigen Definitions

- DTaP - is collectively documented as Diphtheria, Tetanus & acellular Pertussis
 - it does not have the option to break down further
 - remembering this is only for those Under the age of 10 years
- BCG has been added for completeness but there is no algorithm calculation
- Polio – Oral Polio (OPV) & Inactivated Polio (IPV) will both be counted but ensure that at least one recorded IPV
- MMR – can be split to record Measles, Mumps or Rubella by ‘clicking on the ... after MMR (I’ll demonstrate this shortly)
- Meningococcal B (Bexsero) has recently been added for Under 5-year Schedule
- Covid Vaccines are **NOT** built into the Calculator or algorithm

Catch Up Rules

References: Immunisation Handbook and Early Administration of Vaccines (IMAC)

- 4 Week (28 day) spacing rather than Schedule spacing – *except for Men B*
- Includes the Early '4 Day' Rule
 - Allows for the 3 Month Event to be given from 12 weeks of age
- Rotavirus, Pneumococcal & Hib are removed from the Calculation at the appropriate ages
- MMR before 12 months = 0 Dose
- Allows 4 Year DTaP to be given from 3 ½ years as a Catch Up only

Remember to Clinically Review the Catch-Up Plan

- the PCV Rule can be complex across age bands; please check carefully
- **double check the Meningococcal B Catch Up for correctness**

WellSouth Immunisation Catch Up Calculator

<https://immuncalc.tempsite.nz/>

Log In: calc

Password: immunity321

Using the Calculator with Examples

Entering Immunisations onto PMS / NIR needs to be done at the Practice

- NIR Staff will monitor from their end

Acknowledgements:

- Dr Leanne Ligggett; former DHB public health analyst (work with Former Refugees)
- Health Informatics NZ (HiNZ) Clinicians Challenge New Idea Award 2017
- Kyle Ford / WellSouth
- The Logic Studio Ltd
- Southern DHB; VPD Team & Immunisation Coordinators

Immunisation Update

It is ironic and sad that the COVID pandemic created fantastic vaccines that significantly mitigated the damage of COVID internationally and yet the outcome has been a loss in confidence in all vaccines.

It appears that the learnings from scientific methodology are getting lost in a complex and mistrustful world ramped up by the damage of social media misinformation and disinformation.

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- Nikki Turner Paediatric Vaccine Research Review Issue 55 2023

Immunisation Resources

- Multiple Communications & Resource Sites
 - Immunisation Handbook
<https://www.health.govt.nz/system/files/documents/publications/immunisation-handbook-2020-v22-v2.pdf>
 - Cold Chain <https://www.tewhatauora.govt.nz/for-the-health-sector/vaccine-information/vaccine-service-delivery/cold-chain-standards-for-vaccines>
 - Immunisation Advisory Centre (IMAC) <https://www.immune.org.nz/>
 - Influenza Website <https://www.influenza.org.nz/>
 - Health Pathways <https://southern.communityhealthpathways.org/LoginFiles/Logon.aspx?ReturnUrl=%2f>
- National, District and WellSouth Newsletters/ Updates
- Direct to the Public Marketing
 - <https://www.immunise.health.nz/>
 - [Book My Vaccine](#)
 - [Direct Phone & Texting](#)

Immunisation Resources

Resources

- Health Ed <https://healthed.govt.nz/collections/all>
- IMAC Website <https://www.immune.org.nz/>
- **Immunisation DropBox**
<https://www.dropbox.com/scl/fo/8sxalzeh2bbhrviumsdn4/h?dl=0&lst=&rkey=7wi4jptjya48cpxzz39lmmjgy>
 - Consent Forms Covid, Flu, Covid/Flu, MMR, Boostrix, Pregnancy: Boostrix/Flu/Covid
- **BlueStar Portal** <https://portal.bluestar.co.nz/login/bluestar>

Meningococcal B (Bexsero) additional Resource

- **Paracetamol Recommendation for Meningococcal B (Bexsero) for children Under 2 years - New Resource**
- To highlight the new Meningococcal B (Bexsero) paracetamol recommendation resource from the National Immunisation Programme (NIP) Dropbox & Health Ed

Meningococcal B immunisation
Paracetamol is recommended for pēpi under 2 years old

In New Zealand the meningococcal B (MenB) vaccine we use is called Bexsero. This vaccine can cause quite high fevers – particularly for pēpi under 2 years. To reduce the chance of your baby developing high fevers, it is recommended that paracetamol is given before and after immunisation.

Why is fever a side effect of vaccination?
Fever is a common side effect of many vaccines. It shows that the immune system is responding to the vaccine.

When should I give the paracetamol and how much?
It's important to give the exact amount recommended by the vaccinator and at the correct times. Three doses **6 hours** apart are usually enough to stop high fevers.

The amount of paracetamol needed for each dose is based on your child's weight, so it changes as they grow. Therefore, the vaccinator may need to check your baby's weight at each visit.

If you need paracetamol talk to your vaccinator.

If you are using paracetamol that you already have at home, check the label on the bottle to make sure you are using the right strength for your child and that it has NOT expired. The label **MUST** be **120mg/5mLs** (not 250mg/5mLs). If you are not sure or unable to read the label do not use the medicine and talk to your vaccinator.

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New Zealand Government

Te Whatu Ora
Health New Zealand

Today's date: ___/___/____ Your child's weight today is: _____
They should have: _____ mLs of paracetamol for each dose.

Paracetamol dose one (given with or just after the vaccine, or up to 30 minutes before)	Paracetamol dose two (given 6 hours after dose one)	Paracetamol dose three (given 6 hours after dose two)
Given at (time): _____	Due at: _____	Due at: _____

DO NOT give more than four doses over 24 hours.

 If you have any concerns about your child's symptoms, or they are still experiencing high fever after immunisation, talk to your doctor, practice nurse, healthcare provider or call Healthline on **0800 611 116** anytime to get advice.

If you have immediate concerns about your child's safety, call **111** for an ambulance and make sure you tell them your child has had a MenB vaccination.

Your child's next MenB vaccine is due: ___/___/____

This is to be given with the After your child is immunised handout.

For more information about the vaccine go to:
immunise.health.nz/meningococcal

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New Zealand Government

Te Whatu Ora
Health New Zealand

Paracetamol Standing Order

- IMAC provide a Standing Order template for the administration of prophylactic paracetamol for use in Bexsero administration
- <https://www.immune.org.nz/factsheets/paracetamol-standing-order-template>
- If you intend implementing this standing order, ensure you are adhering to the [MOH Standing Order Guidelines](#)
 - Note the specific dosing regimen for premature babies of 10 mg/ kg instead of the 15/kg for full term babies.

Aotearoa Immunisation Register (AIR) Update for General Practice

AOTEAROA IMMUNISATION REGISTER

PHO Change Summary | Aotearoa Immunisation Register (AIR)

SUMMARY

The National Immunisation Register (NIR) and the COVID-19 Immunisation Register (CIR) will soon be decommissioned with the cutover to the Aotearoa Immunisation Register (AIR). Right now, the AIR team is working with Patient Management System (PMS) software vendors to:

- ✓ Move PMS systems connected to NIR over to AIR
- ✓ Record COVID-19 in the PMS
- ✓ Ensure all publicly funded vaccinations are recorded in AIR

KEY CHANGES



IMMUNISATION RECORDING: AIR will be used to record all vaccinations replacing CIR and NIR



OPTING OFF: All vaccines will be recorded in the AIR regardless of funding source



REPORTING: New tools will be introduced to support reporting that you may have received in the past



CONSUMER CHANNEL: Consumers will be able to view their records using a new consumer channel in the future

KEY BENEFITS

- ✓ For most enrolled patient service providers (i.e. GPs), there will be some minor changes at cutover **but nothing significant for you to do**
- ✓ A status query will connect to the AIR ImmSoT (Immunisation Source of Truth) to provide vaccination history

WHERE TO LEARN MORE?

The AIR programme will be running a series of webinars throughout August and September to help the sector learn more about the AIR.

Read more [here](#) and register [here](#). FAQs and videos [here](#).

Te Whatu Ora Health New Zealand



WHAT DOES THIS MEAN FOR PRACTICES

LIMITED OPERATIONAL IMPACT FOR TEAMS



Data & Digital Teams & Imms Co-ordinators

- Improved reporting tools available



Practice Nurses

- Continued use of a PMS for a status query
- Record all vaccinations including COVID-19 to AIR
- New AIR collateral to inform consumers



Practice Managers

- Newborn nominations and GP notifications continue

TIMELINE

August 23

The Air Team works with vendors on integration

At cutover to AIR – November 23

Record vaccinations into PMS including COVID-19
PMS systems now connect to the AIR

December 23

Vendors build direct API integration into AIR

Southern: Immunisation Contact Details

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National Immunisation Register (NIR) 0800 787 998

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- *note will change to AIR Administration Team*

WellSouth Immunisation Key Contacts Details

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General Enquiries & Information <https://wellsouth.nz/care-provider>

Discussion / Question & Answer

