

Getting Started

Installation

Refer to the **PCS Clinical Audit Tool®** Quick Reference Guide for installation instructions and an overview of CAT features.

CAT Immunisations > Childhood Schedule Graph and Worksheet

Overview

The CAT Childhood Schedule tab provides:

- A graph which displays a child's immunisation status
- A worksheet which details the number of doses of each immunisation that have been received for each child

The CAT Age filter allows filtering by age in months as well as years. This can be used to target specific child age groups and determine children that have not received all their immunisations.

The tables at the end of this guide provide information about:

- The immunisations included (Table 1)
- The number of doses required by age (Table 2)
- The additional rules considered to determine status (Table 3). The rules for each immunisation determine whether it is up to date, due or overdue.

A child's overall status will take the 'worst' status of all immunisations given ie. if any immunisation is overdue the child's overall status will be overdue.

References

The following documents have been referenced:

- The Childhood Immunisation Schedule is provided by the National Immunisation Program Schedule available at <http://immunise.health.gov.au/internet/immunise/publishing.nsf/Content/nips2>
- The Australian Childhood Immunisation Register (ACIR) Due and Overdue rules available at <http://www.medicareaustralia.gov.au/provider/pubs/program/acir.jsp>

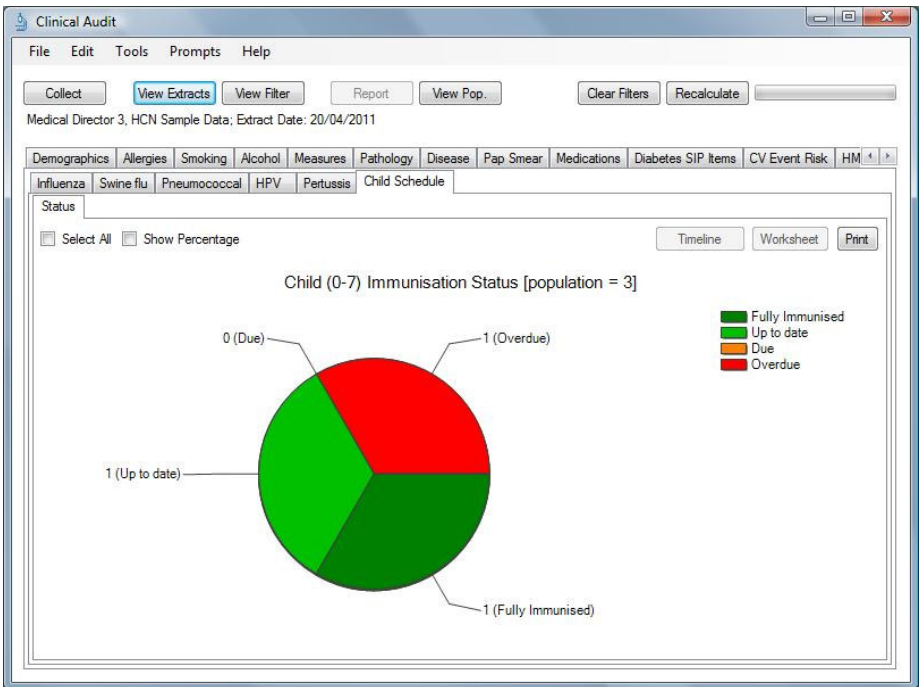
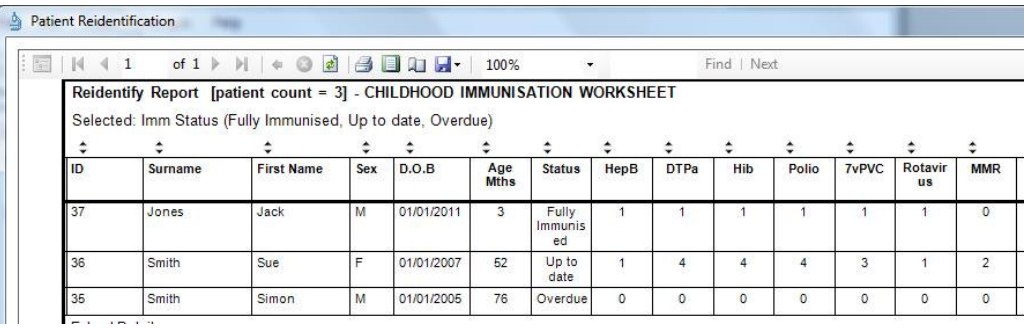
<p>Graph</p>	<p>The Immunisations > Child Schedule tab provides a pie chart for children aged 0-7 years with the following status categories:</p> <ul style="list-style-type: none"> • Fully immunised – a child has received all the immunisations required for their age (refer Table 2) • Up to date – a child is not fully immunised but no dose is due (eg. there may be a minimum time period between doses – refer Table 3) • Due – immunisations are due now • Overdue – immunisations are overdue 																																																									
<p>Worksheet</p>	<p>The worksheet button provides a list of patients with the following details:</p> <ul style="list-style-type: none"> • age in months • immunisation status • number of doses per immunisation <p>The worksheet is an aid to help the practice to find children who are not up to date and identify which immunisations are still required. As the vaccination pathways for different vaccine brands can differ the practice should check patient records where a child is listed as due or overdue.</p>	 <table border="1"> <thead> <tr> <th>ID</th> <th>Surname</th> <th>First Name</th> <th>Sex</th> <th>D.O.B</th> <th>Age Mths</th> <th>Status</th> <th>HepB</th> <th>DTPa</th> <th>Hib</th> <th>Polio</th> <th>7vPVC</th> <th>Rotavirus</th> <th>MMR</th> </tr> </thead> <tbody> <tr> <td>37</td> <td>Jones</td> <td>Jack</td> <td>M</td> <td>01/01/2011</td> <td>3</td> <td>Fully Immunised</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>0</td> </tr> <tr> <td>36</td> <td>Smith</td> <td>Sue</td> <td>F</td> <td>01/01/2007</td> <td>52</td> <td>Up to date</td> <td>1</td> <td>4</td> <td>4</td> <td>4</td> <td>3</td> <td>1</td> <td>2</td> </tr> <tr> <td>35</td> <td>Smith</td> <td>Simon</td> <td>M</td> <td>01/01/2005</td> <td>76</td> <td>Overdue</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table>	ID	Surname	First Name	Sex	D.O.B	Age Mths	Status	HepB	DTPa	Hib	Polio	7vPVC	Rotavirus	MMR	37	Jones	Jack	M	01/01/2011	3	Fully Immunised	1	1	1	1	1	1	0	36	Smith	Sue	F	01/01/2007	52	Up to date	1	4	4	4	3	1	2	35	Smith	Simon	M	01/01/2005	76	Overdue	0	0	0	0	0	0	0
ID	Surname	First Name	Sex	D.O.B	Age Mths	Status	HepB	DTPa	Hib	Polio	7vPVC	Rotavirus	MMR																																													
37	Jones	Jack	M	01/01/2011	3	Fully Immunised	1	1	1	1	1	1	0																																													
36	Smith	Sue	F	01/01/2007	52	Up to date	1	4	4	4	3	1	2																																													
35	Smith	Simon	M	01/01/2005	76	Overdue	0	0	0	0	0	0	0																																													

Table 1: Immunisation list for children

HepB	Hepatitis B
DTPa	Diphtheria, tetanus and whooping cough (acellular pertussis)
Hib	Haemophilus influenza
IPV	Polio (inactivated poliomyelitis)
7vPCV	Pneumococcal conjugate
Rotavirus	Rotavirus
MMR	Measles, mumps and rebella
MenCCV	Meningococcal C
HepA (for ATSI)	Hepatitis A
VZV	Chickenpox (varicella)
23vPPV	Pneumococcal polysaccharide

Table 2: Immunisation total recommended doses by age

This table shows the recommended doses for age as provided by the National Immunisation Program Schedule.

Immun./ Age mths	0	2	4	6	12	18	24	48
HepB - Birth	1							
HepB		1	2	3				
DTPa		1	2	3				4
Hib		1	2	3	4			
IPV		1	2	3				4
7vPCV		1	2	3				
Rotavirus		1	2	3				
MMR					1			2
MenCCV					1			
HepA (for ATSI)							1 or 2 ¹	
VZV						1		
23vPPV							1	

A child's age in months determines how many doses of each immunisation should have been received. For example, by age 6 months a child should have had 3 doses of DTPa.

The number of doses for age will differ between States and Territories due to the needs of geographic and demographic conditions.

¹ Two doses of hepatitis A vaccine are required for Aboriginal and Torres Strait Islander children living in areas of higher risk.

**Table 3: Immunisation Due and Overdue rules based on
'The Australian Childhood Immunisation Register (ACIR) Due and Overdue rules'**

Immunisation	Dose	Additional Criteria to determine if status = Up to date * = Fully Immunised	Status		
			Up to date	Due	Overdue
HepB - Birth - is only valid up to 7 days of age	1	Child age > 7days*		In first 7 days	
HepB	1			2 months	3 months
	2		Last dose given < 2months	4 months	5 months
	3		Last dose given < 2months	6 months	7 months
DTPa	1			2 months	3 months
	2		Last dose given < 2months	4 months	5 months
	3		Last dose given < 2months	6 months	7 months
	4		Last dose given < 6months	48 months	49 months
Hib	1	Dose 1 > 15months		2 months	3 months
	2	Dose 2 > 15months	Last dose given < 2months	4 months	5 months
	3	Dose 3 > 15months	Last dose given < 2months	6 months	7 months
	4		Last dose given < 2months	12 months	13 months
IPV	1			2 months	3 months
	2		Last dose given < 2months	4 months	5 months
	3	Dose 3 > 48months	Last dose given < 2months	6 months	7 months
	4		Last dose given < 6months	48 months	49 months

7vPCV	1	Dose 1 > 17months		2 months	3 months
	2	Dose 2 > 12months	Last dose given < 2months	4 months	5 months
	3		Last dose given < 2months	6 months	7 months
Rotavirus		If no dose by 14weeks then no doses due/overdue			
	1	Dose 1 > 28weeks		2 months	3 months
	2	Dose 2 > 28weeks		4 months	5 months
	3	No doses due/overdue > 32weeks		6 months	7 months
MMR	1			12 months	13 months
	2			48 months	49 months
MenCCV	1	Imm can be given in more than 1 dose – a dose must exist after 12months*		12 months	13 months
HepA (for ATSI)	1	2 doses are due in the second year of life*		12 months	25 months
	2			18 months	25 months
VZV	1			18 months	19 months
23vPPV	1			18 months	19 months