

MFI and PDSA Example

Increase the recording of patient allergies and allergy reaction in your clinical records

If allergies and adverse reactions are not captured as structured data within your clinical information system, you may miss contraindications if you are prescribing, and important information about the severity of a reaction.

Note that under the *RACGP Standards*, practices must keep a record of known allergies for at least 90% of their active patient health records (Criterion QI2.1 – Health Summaries reads: “*Our active patient health records contain a record of each patient’s known allergies.*”) If a patient has no known allergies, a practitioner must verify this with the patient and then record ‘no known allergies’.

To improve the data on allergies and adverse reactions, you should first differentiate between the two when you enter the patient’s information in your clinical information system. Second, you should code the severity of the reaction and the nature of the reaction. You can use POLAR to track the percentage of patients that have their allergy status or allergy reaction recorded. Walrus Tool will also prompt you at the point of care if the patient does not have their allergy status recorded.

There are a number of ways to collect this information:

- New patient form
- Existing patient details update form
- Using a check-in Kiosk prompt
- Walrus Tool – Prompts at the point of care.

MODEL FOR IMPROVEMENT (MFI) SECTION – To be completed <i>before</i> completing PDSA section			
Practice Name:		Date:	
Who will be the lead for this activity (name):		PIP QI Quarter:	
GOAL			
As a clinic, decide what you are trying to achieve			
By answering this question, you will develop your GOAL for improvement. It important to use a S.M.A.R.T (Specific, Measurable, Achievable, Relevant, Time bound) goal that clearly states what you are trying to achieve.			
Increase the number of patients who have their allergy status to (insert percentage) and reaction status recorded in the Clinical Information System by (insert date).			
MEASURE			
How will you measure the improvement for this activity?			
By answering this question, you will determine what you need to MEASURE to monitor whether a change is leading to an improvement and the achievement of your goal. Include how you will collect your data (e.g. clinical software, data extraction tool, patient surveys etc). Record and track your baseline measurement to allow for later comparison.			
Number of active patients in clinical software that have their allergy status recorded			
Baseline Measurement:	_____ %	Date:	

Ideas	
What changes can we make that will result in improvement?	
By answering this question, you will generate a list of IDEAS (activities) that will lead to achieving the stated GOAL above. List each activity separately below and add more lines if needed. There can be as few or as many as the practice decides and can be as big or small as your practice can manage. You will test these ideas using part 2 of this template, the Plan, Do, Study, Act (PDSA) cycle.	
IDEA:	Ensuring new patient registration form includes both questions
IDEA:	Implementing an existing patient update form
IDEA:	If using check in kiosk update to ask the question
IDEA:	Educate all practice staff on how and why this is important.
IDEA:	Implement Walrus Tool in your practice.

Note: each new GOAL will require a new MFI plan

PLAN DO STUDY ACT (PDSA) SECTION - To be completed <i>after</i> completing the MFI section above			
You will have noted your IDEAS for testing when you listed activities in the MFI section above. You will use this template to test an idea. Each idea may need more than one PDSA to fine tune the plan before you consider implementing on a broader scale.			
IDEA			
Record the change idea you are testing			
From your ideas (activities) your team has listed, choose one activity to test using a PDSA			
Idea:			
PLAN			
Briefly describe what exactly you will do to test your idea			
Record who will do what; when they will do it (day, time etc) and for how long (1 week, 2 weeks etc); and where (if applicable); the data to be collected; and predictions about the outcome.			
<ol style="list-style-type: none"> 1) Organise a staff meeting to discuss ideas and how the practice will be implementing this PDSA 2) Collect baseline data from POLAR (see attached) 3) Implement ideas 4) Track changes in POLAR <p>Predictions: Allergy and Allergy reaction recording will increase.</p>			
List the steps necessary to complete this activity	Person responsible	When (due date)	Was this step completed?
1. Staff Meeting to discuss implementation			
2. Decide what you are going to implement to increase the measures. Either all or some of the ideas or you may have your own ideas that suit your practice.			
3. Collect baseline data from POLAR			

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4. Ensure staff knows how to enter this information in your CIS (see instructions BP & MD)			
5. Run POLAR search monthly to track changes (see walkthrough attached)			
6. Feedback to Practice Staff			
DO			
Was the activity carried out as planned? <input type="checkbox"/> Yes <input type="checkbox"/> No, if not why? Document observations			
STUDY			
Record, analyse and reflect on results. Did the results match your predictions?			
Detail any barriers that your clinic encountered and list your key findings during and at the end of your activity			
What was the quantitative change/difference between your baseline data and this activity's results:	Baseline measurement:	What was the end of activity measurement?	
	_____ %	_____ %	
ACT			
Did this activity meet your stated goal? In the table below, select if you will choose to either Adopt, Adapt or Abandon			
Tick one	Description	Details	
<input type="checkbox"/> Adopt	Select changes to implement on a larger scale and develop an implementation plan and plan for sustainability.		
<input type="checkbox"/> Adapt	Improve the change and continue testing plan. What will be next PDSA cycle?		
<input type="checkbox"/> Abandon	Discard this change idea and try a different one.		
Communicate the results of your activity with your whole team. Celebrate any achievements, big or small.			

Recording allergy and allergy reaction in Best Practice Software

Step 1

In a patient file click on Allergies/Adverse Drug Reactions. You are able to add an allergy or record as nil known if there are no allergies.

Item	Reaction	Severity
Pericillin	Urticaria	Moderate

Comment:

Recorded by: West End Medical Practice on 10/12/2014

Nil known

Add Edit Delete

Save Cancel

Step 2

If you add an allergy you will need to add the nature of the reaction details in as well.

Search:

Drug class

Ingredient

Specific product

Non drug

Other

Nature of reaction:

Severity:

Comment:

Save Cancel

Recording allergy and allergy reaction in Medical Director Software

Step 1

To record the patients allergy and adverse reactions in Medical Director select click on the allergies field in the upper left hand side.

Allergies & Adverse Reactions: **PENICILLINS**

Step 2

Select the Allergies/Adverse Reactions/warnings tab.

Pt. Details: **Allergies/Adverse Reactions/Warnings**

Title: Single Name

First Name:

Middle Name:

Step 3

To add an allergy select Add or if there are no allergies tick the No Known Allergies/Adverse Reactions box.

Patient Details

Pt. Details | **Allergies/Adverse Reactions/Warnings** | Family/Social Hx | Notes | Smoking | Alcohol | Personal Details

Item	Reaction	Severity	Type
PENICILLINS	Urticaria - moderate		Allergy

No Known Allergies / Adverse Reactions

Step 4

If you are adding an allergy ensure you also fill in all the details in Nature of Reaction and Reaction type.

Add Allergy / Adverse Reaction

Search:

By Drug

By Class

Other



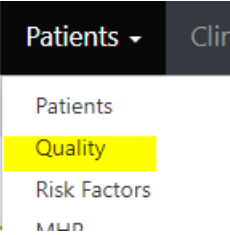
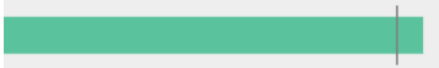
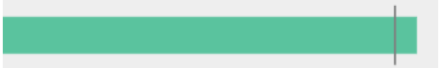
5HT RECEPTOR BLOCKERS
ACE INHIBITORS
ALPHA-ADRENERGIC BLOCKERS
ALUMINIUM HYDROXIDE AGENTS
AMINOGLYCOSIDES
ANGIOTENSIN II ANTAGONISTS
ANTACIDS

Nature of Reaction:

Reaction Type: Allergy Adverse Reaction

Severity:

POLAR Walkthrough – Number of patients with allergy status recorded

<p>Step 1 Patient cohort</p>	<p>RACGP Active Patient Status Active Percentage of patients having an allergy recorded or an allergic reaction.</p>
<p>Step 2 Open POLAR and Select Clinic Summary Report</p>	
<p>Step 3 Select RACGP & Practice Active Patients</p>	<p>RACGP & Practice Active Patients <i>CURRENTLY SELECTED</i></p> 
<p>Step 4 Under the patients menu Select Quality</p>	
<p>Step 5 You can now see how many of your Active/RACGP Active patients have their Allergies recorded or have Nil Known ticked.</p>	<div style="display: flex; justify-content: space-around;"> <div> <p>Allergies 95.99% recorded / Minimum RACGP Standard of 90%</p>  <p>Click measure to select missing patients</p> </div> <div> <p>Allergic Reaction 95.02% recorded / Minimum RACGP Standard of 90%</p>  <p>Click measure to select missing patients</p> </div> </div> <p>This is your baseline data you will need to record this in your PDSA so you can track your success of the PDSA.</p>