

# PRIMARY CARE DISCOVERY

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## PDSA: Ensuring all patients with diabetes are coded in the correct format in your Clinical Information System

Clinic:	Date:
Title:	Number:

Goal: What is the overall goal you wish to achieve?  
 Ensure all patients with Diabetes have a correcting coding of Diabetes Mellitus Type 1 or Diabetes Mellitus Type 2

Idea:  
 Data Quality  
 Ensuring that all patients have a correct coding of the Diabetes Type. When the correct coding is not selected in the clinical software patients have a diagnosis of Diabetes Mellitus undefined. These diagnosis needs to be coded correctly in the clinical information system.  
 Not all practices will have patients who have not had their diabetes coded incorrectly. To check if you have any patients with undefined diabetes recorded we can use POLAR  
 (Please see attached document)

### PLAN:

List the tasks necessary to complete this test (what)	Person responsible (who)	When	Where
Access POLAR Diabetes Quality Improvement page to search for patients with a diagnosis of Diabetes Mellitus Undefined. (see walkthrough)			
Discuss how your practice is going to implement this PDSA. Example: who is going to edit past history items? Nurse? GP? What is this process?			
Confirm if patients have Diabetes Mellitus Type 1 or type 2 through Clinical notes or check with GPs			
Edit the past history items in CIS			
Re run reports note the reports will only update overnight			
Educate GPs regarding selection of correct coding of Diabetes Mellitus.			

3) What do you predict will happen?  
 The number of patients with undefined Diabetes will decline and the number of patients with Diabetes Mellitus Type 1 or Diabetes Mellitus Type 2 will increase.

DO: Was the cycle carried out as planned? Yes No, if not why?

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**STUDY:** Record, analyse and reflect on results. Did the results match your predictions?

**ACT:** Decide to Adopt, Adapt or Abandon.

Select		Describe
Adopt	Select changes to implement on a larger scale and develop an implementation plan and plan for sustainability.	
Adapt	Improve the change and continue testing plan. What will be next PDSA cycle?	
Abandon	Discard this change idea and try a different one.	

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WALKTHROUGH: Data Quality Patients with an incorrect coding of Diabetes Unknown Type

Patient Cohort:

Patient Status Active

Have an active diagnosis of Diabetes unknown type.

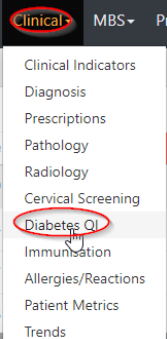
1. Open POLAR and Select Clinic Summary Report from Reports



### Clinic Summary

Clinic Summary report including CLINICAL INDICATORS

2. Select Clinical then Diabetes QI



3. Up the top left hand side you will see Click to select Active Patients with an Active Diabetes Diagnosis or Active Medication Select this.

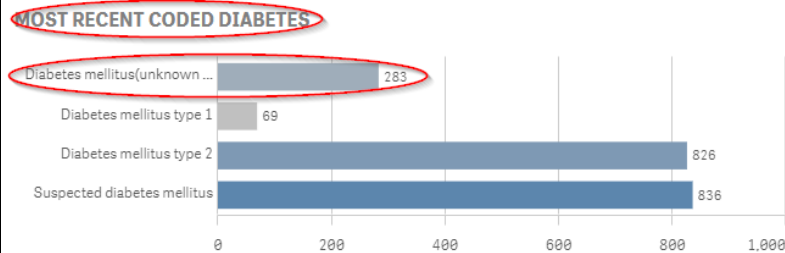
Click to select Active Patients with an Active Diabetes Diagnosis or Active Medication

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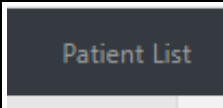
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4. In the Most Recent Coded diabetes table if you have any patients with a coding of undefined diabetes you will see Diabetes mellitus (unknown type) Select the Diabetes mellitus unknown type and confirm the selection.



5. You now have a list of patients who have a diagnosis of Diabetes mellitus unknown type Go to the Patient List up the top right hand side and then export the list to excel.



6. You are now able to sort the list by provider to confirm the diagnosis of Diabetes Mellitus Type 1 or Diabetes Mellitus Type 2. See the instructions below on how to edit a past history item in Best Practice or Medical Director

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## How to edit a past history in Best Practice:

In a patient file select Past History then select the incorrect condition right click and edit.

File Open Request Clinical View Utilities Help

Name: Alan Abbott D.O.B.: 30/06/1945 Age: 76 yrs Birth Sex: Male  
 Address: 12 John St Woodlane 4035 Phone: (h) 07 50505050 (m) 0427556232 Email: alan.abbott@bpsoftwa  
 Medicare No.: 4133180467 - 1 12/13 Record No.: 101 DVA No.: VX22222 Comment: On warfarin  
 Occupation: Blood Group: Tobacco: Non smoker Alcohol: Light

Item	Reaction	Severity	Type	Due	Reason
House dust mite	Bronchospasm	Severe	Reminder due	14/05/2019	Care plan
Trifle	Nausea	Severe	Reminder due	14/05/2019	Breast check
Aluminium Hydroxide			Action	27/11/2020	2nth Immunisation
			Preventive health	02/02/2022	Influenza vaccination will be due soc
			Preventive health	02/02/2022	Vaccination against pneumococcus
			Preventive health	02/02/2022	A Domestic Risk Assessment should

Expand Collapse

Mr. Alan Abbott

- Today's notes
- Past visits
- Current Rx
- Past history**
- Immunisations

Active problems:

Date	Condition
	Asbestos exposure
	<b>Diabetes</b>
02/03/2004	Asthma
25/03/2011	Throat pain
13/10/2011	Diabetes Mellitus, Type 2
03/07/2020	Fracture, Colles

Select the correct diagnosis and save.

Past History

Date: / / 2/02/2022

Condition: Diabetes

Keyword search Synonyms

Condition	Left	Right	Bilateral
Diabetes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diabetes clinic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diabetes cycle of care completion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diabetes educator referral	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diabetes Insipidus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diabetes Insipidus, renal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diabetes Mellitus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diabetes Mellitus, Gestational	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Diabetes Mellitus, Type 1</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Diabetes Mellitus, Type 2</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diabetes Mellitus, Type 3c	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diabetes review	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diabetes risk assessment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Further detail:

Send to My Health Record  
 Confidential  
 Include in summaries

Save Cancel

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## How to edit a past history item in Medical Director

In a patient file select the Past History tab

Then select the incorrect condition right click then edit item

The screenshot shows the Medical Director interface with the 'Past history' tab selected. A table lists medical conditions with columns for Year, Date, Condition, and Side. The entry for 'Diabetes' on 02/02/2022 is highlighted. A context menu is open over this entry, with 'Edit item' circled in red.

Year	Date	Condition	Side
2008	10/2008	Hypertension	
2009	02/2009	Osteoporosis	
2009	03/2009	Memory loss	
2010	10/2010	Cataract	Bilateral
2012	05/2012	Parkinson's disease	
2013	03/2013	Hyperlipidaemia	
2013	03/2013	Ischaemic heart disease	
2013	12/2013	Depression	
2022	02/02/2022	Diabetes	

Select the correct diagnosis and save.

The screenshot shows the 'Condition' selection dialog box. The 'Pick from list (coded)' radio button is selected. A search box contains the text 'Diabetes'. A list of conditions is displayed below, with 'Diabetes Mellitus - Type I' circled in red.

Condition

Pick from list (coded)

Diabetes

- Diabetes Mellitus - NIDDM
- Diabetes Mellitus - Pre
- Diabetes Mellitus - Preventive care
- Diabetes Mellitus - Type I
- Diabetes Mellitus - Type II
- Diabetes review
- Diabetes Type II requiring insulin