



Pen CS and PIP QI FAQs for Primary Health Networks

This document outlines how Pen CS manages the following:

- Patient 'Opt Out'
- PIP QI Eligible Data Set submission vs Full Data Set submission
- Data Security and Governance for PIP QI
 - Data de-identification before it leaves the General Practice
 - Suppression Rules
 - Data Encryption
 - General Practice Appointment Book and Billing Systems
 - Data verification for upload
- CAT Plus Data Flow diagram
- Pen CS PIP QI New Products and Features
- General Practice Resource Centre

Patient 'Opt Out'

- Patients can opt out from having their data extracted through Pen CS.
- To Opt Out a patient, the practice would search for the patient and mark that they have withdrawn consent [check box] in CAT4. From then on, that patient will not be included in the de-identified data set.
- Further information is available on Pen CS Help site, at <https://help.pencs.com.au/display/CR/Removtients+from+upload+to+PAT+CAT>

The screenshot shows the 'Patient Reidentification' application window. The main area displays a 'Reidentify Report [patient count = 1]' for the 'Whole Population'. Below the title is a table with patient details. The table has columns: ID, Surname, First Name, Known As, Sex, D.O.B, Address, City, Postcode, Phone (H/W), and Ph. The data row shows ID 13, Surname Andrews, First Name Anna, Known As Anna, Sex F, D.O.B 08/12/1998, Address 2 Kennedy Rd, City Demo Town, Postcode 4523, and Phone H:9123 4567 W:9345 6789. Below the table, 'Extract Details' are listed: Practice Name: Pen CS Pty Ltd, BPExtract, Extract Date: 25/01/2018 3:12 PM, Patient Count: 64, Printed: 29/01/2018 11:31 AM, and Pen CS CAT4 - 4.10.0.9903(4.10.0.9903) - Pen CS. At the bottom, a toolbar contains several icons. The 'Add/Withdraw Patient Consent' icon, which shows a person with a speech bubble, is highlighted with a red rectangle. Other icons include 'Refine Selection', 'SMS Recall', 'Voicemail Recall', and 'Topbar Prompt'.

ID	Surname	First Name	Known As	Sex	D.O.B	Address	City	Postcode	Phone (H/W)	Ph
13	Andrews	Anna	Anna	F	08/12/1998	2 Kennedy Rd	Demo Town	4523	H:9123 4567 W:9345 6789	01

Extract Details:
Practice Name: Pen CS Pty Ltd
BPExtract
Extract Date: 25/01/2018 3:12 PM
Patient Count: 64
Printed: 29/01/2018 11:31 AM
Pen CS CAT4 - 4.10.0.9903(4.10.0.9903) - Pen CS

Refine Selection | **Add/Withdraw Patient Consent** | SMS Recall | Voicemail Recall | Topbar Prompt

Patient Opt Out feature in CAT4

PIP QI Eligible Data Set submission

PIP QI Eligible Data Set

The PAT CAT PIP QI Essentials Portal has been designed to accept PIP QI only data submissions should the PHN wish to configure this for any General Practice that has requested to submit only the PIP QI Eligible Data Set. In this scenario the following workflow occurs:

- The PHN will be provided with the steps to configure a practice as submitting data for PIP QI but not submitting data for PHN reporting
- The full data set, de-identified and extracted by CAT4 within General Practice (see Opt Out, De-identification, Encryption processes), will still be sent to PHN's PAT CAT but ONLY the PIP QI Eligible Data Set will be imported to PHN's PAT CAT
- The data set is then automatically destroyed, immediately after import, rather than being archived

Corporates and Practices submitting PIP QI Eligible Data Set Only

To submit a CSV file or Excel for PIP QI your General Practice should:

- Open CAT4 and locate the PIP QI module – this will be provided as a CAT4 Program and will also be available under 'Standard Reports'
- The first tab will provide the PIP QI Report
- The report can be exported using the standard CAT4 report functions

Pen CS CAT4 - CAT4

File Edit View Tools Data Submission Scheduler Help

Collect View Extracts View Filter Report View Population Dashboard CAT4 Cleansing CAT Registrar CAT Clear Filters Reconsolidate

Best Practice, Live Database; Extract Date: 12/09/2018 11:27 AM

Allergies Smoking Alcohol Measures Pathology Disease Screening Comorbidities Medications Diabetes SIP Items CKD Musculoskeletal CV Event Risk CHA2DS2-VASc Score Immunisations Standard Reports MDS Items MDS

Indicator Sets NPI Report Summary Report Card MH Summary Report Card

PIP QI APCC QAIHC Healthy For Life National KPI OSR eHealth Health Care Providers

PIP QI Report Diabetes and HbA1c Smoking Status Weight Influenza Immunisation Alcohol Consumption CV Risk Factors Cervical Screening Diabetes and BP

1 of 3 100% Find Next

PIP QI: Quality Improvement Measures

Report Date: 12/09/2018 11:27 AM
Practice Name: Deidentified Practice

Standard Report - Regular clients (3 visits in the last 2 years)

The patient population in this report is patients who have had 3 visits in the last 2 years and who are not archived or deceased.

QIM 01: Proportion of patients with diabetes with a current HbA1c result
Calculation A: Regular clients who have Type 1 diabetes

Proportion of regular clients who have Type 1 diabetes and who have had an HbA1c measurement result recorded within the previous 12 months

	Recorded		Not Recorded		
	Number	%	Number	%	Total
Number of regular clients who have Type 1 diabetes	20	71%	8	29%	28

QIM 01: Proportion of patients with diabetes with a current HbA1c result
Calculation B: Regular clients who have Type 2 diabetes

Proportion of regular clients who have Type 2 diabetes and who have had an HbA1c measurement result recorded within the previous 12 months

	Recorded		Not Recorded		
	Number	%	Number	%	Total
Number of regular clients who have Type 2 diabetes	131	82%	29	18%	160

Pen CS Medical Microdata PIP QI Eligible Data Set

PIP QIM Data Extracted

QIM	QIM Description	Data Category	Data Extracted
	General data items		
		Patient	Active (Regular); calculated from Visits
			Age
			Sex
1	1. Proportion of patients with diabetes with a current HbA1c result		
		Diagnosis	Diabetes Type 1
			Diabetes Type II
		Pathology	HbA1c last result and date
2	2. Proportion of patients with a smoking status		
		Patient	Smoking status and reviewed date
3	3. Proportion of patients with a weight classification		
		Measures	Height last result and date
			Weight last result and date
4	4. Proportion of patients aged 65 and over who were immunised against influenza		
		Immunisations	Influenza vaccine last recorded and date
			Influenza vaccine refused date
5	5. Proportion of patients with diabetes who were immunised against influenza		
		Diagnosis	Diabetes Type 1
			Diabetes Type II
		Immunisations	Influenza vaccine last recorded and date
			Influenza vaccine refused date
6	6. Proportion of patients with COPD who were immunised against influenza		
		Diagnosis	COPD
		Immunisations	Influenza vaccine last recorded and date
			Influenza vaccine refused date
7	7. Proportion of patients with an alcohol consumption status		
		Patient	Alcohol status
			Alcohol Consumption Amount
			Alcohol Consumption Frequency
			Alcohol > 4 drinks on any occasion
8	8. Proportion of patients with the necessary risk factors assessed to enable CVD assessment		
		Patient	Smoking status and reviewed date
		Diagnosis	Diabetes Type 1
			Diabetes Type II
		Measures	Blood Pressure last result and date
		Pathology	Cholesterol last result and date
			Fasting Blood Glucose last result and date
			HDL last result and date
			HbA1c last result and date
9	9. Proportion of female patients with an up-to-date cervical screening		
		Pathology	Cervical screening last recorded date
			Cervical screening ineligible status
10	10. Proportion of patients with diabetes with a blood pressure result		
		Diagnosis	Diabetes Type 1
			Diabetes Type II
		Measures	Blood Pressure last result and date

Data Security and Governance for PIP QI

The following processes apply for all data submitted from the General Practice to PHNs for PIP QI including the full data set and only the PIP QI Eligible Data Set.

For further information, Pen CS Data Governance Framework is also available on request.

Data de-identification before it leaves the General Practice

- De-identified data means that the information that would identify the patient is removed. Only the age in years, gender and ethnicity (i.e. indigenous status) remain in the data after de-identification.
- Patient records are de-identified in the Practice, so no identifiable information leaves the General Practice.
- Further information is available on the Pen CS Help site about data security and de-identification, at <https://help.pencs.com.au/display/CPK/CAT+Plus+Data+Security>

Suppression Rules

- Suppression happens at the PHN level.
- Pen CS does not hold any data. Pen CS provides the data pipeline from the Practice to the PHN.

Data Encryption

Data extracts, files sent from the Practice CAT4 to the PHN PATCAT, are transmitted over an encrypted connection using HTTPS. CAT4 will not transmit files over an unencrypted connection.

Files held by the Practice or the PHN are the responsibility of those organisations to secure their own systems.

Further Information at: <https://help.pencs.com.au/display/ds/Data+Encryption>

General Practice Appointment Book and Billing Systems

Does CAT4 access the appointment book and MBS billing history?

- CAT4 does not access the appointment book.
- CAT4 does access the patient's billing history (accounts) for selected MBS items such as Health Assessments and Care Plans. This provides the Practice with the ability to find eligible patients with unclaimed MBS items.
- CAT4 does also extract the MBS items per patient, for use within the Practice as an MBS filter. Information about the uses of this filter can be found at <https://help.pencs.com.au/display/CG/MBS+Attendance+Filter>

Pen CS CAT4 - CAT4

File Edit View Tools Data Submission Scheduler Help

Collect View Extracts Hide Filter Report View Population Dashboard CAT4 Cleansing CAT Registrar CAT Clear Filters Recalculate

General Ethnicity Conditions Medications Date Range (Results) Date Range (Visits) Patient Name Patient Status Providers Risk Factors Health Care Homes MBS Attendance Saved Filters

Patient with selected MBS item(s) in Date Range

☒ Any ☐ None

Claim Date Range

☒ All ☐ <= 6 months ☐ <= 12 months ☐ <= 36 months ☐ Data Range (from - to)

6/08/2019 6/08/2019

MBS Item Categories

☐ RACF ☐ No ☐ Health Assessment ☐ No ☐ GP MH Care Plan ☐ No ☐ Diabetes SIP ☐ No ☐ Asthma COC ☐ No ☐ Telehealth ☐ No

MBS Item Numbers

☒ All of selected ☐ Any of selected

☐ 11702 ☐ No ☐ 13/7 ☐ No ☐ 132 ☐ No ☐ 133 ☐ No ☐ 135 ☐ No ☐ 14203 ☐ No ☐ 14206 ☐ No ☐ 160 ☐ No ☐ 16500 ☐ No

Clear Filter

Are MBS items sent to the PHN?

Selected MBS items ONLY, refer <https://help.pencs.com.au/display/CG/MBS+Items>, are uploaded to the PHN.

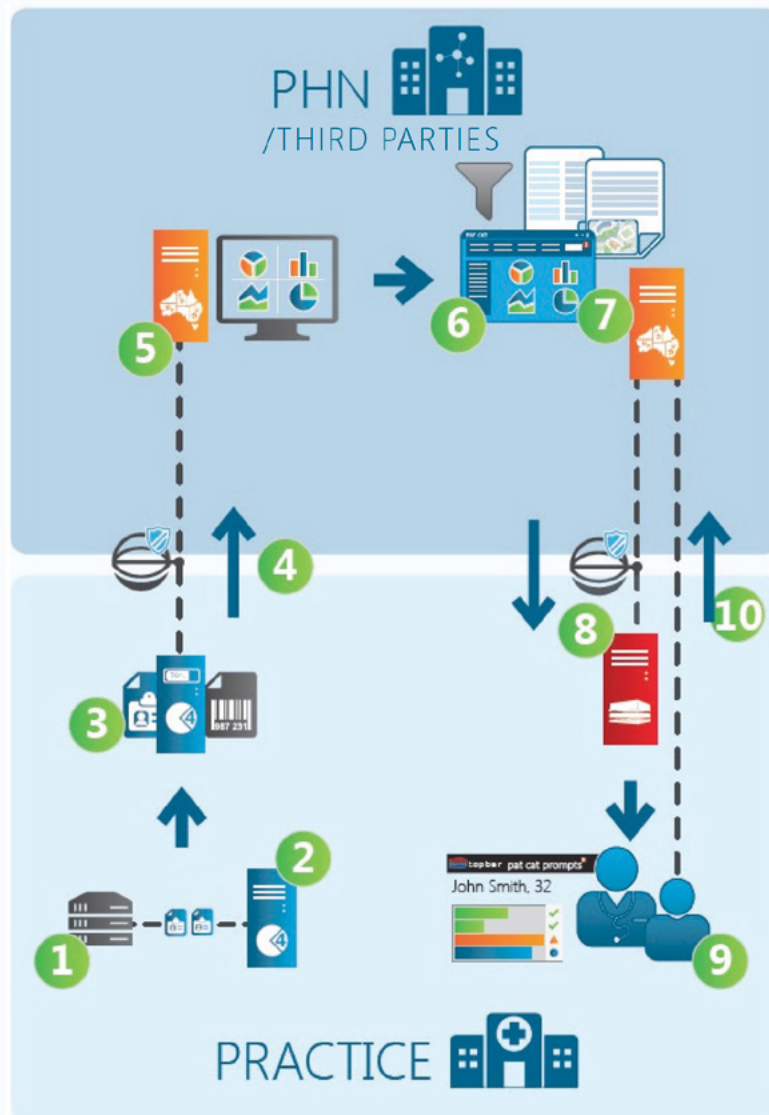
The practice has access to all MBS items in the MBS attendance filter, but these are NOT available in the de-identified data extract.

Data verification for upload

How can I verify what data is uploaded?

Practices can see exactly what is extracted and shared with the PHN as they have the extract at hand in the practice. All data items can be reviewed using the CAT4 user interface and, if required, can be cross checked with the patient record in the clinical system using the not de-identified extract. Pen CS also provides extensive documentation on what is extracted, how it is mapped and where the data is extracted from in the clinical system.

CAT Plus Data Flow Diagram



General Practice data flow to their PHN

1. Extracts data from the clinical system
2. Stores the information in an extract on the practice's server/computer
3. De-identifies the extract at the practice
4. Sends the de-identified extract securely to the PHN server
5. The PHN server receives the extracts and aggregates the information
6. The PHN server displays the population health data through charts and reports or such other method required

PHN data flow back to the General Practice

7. The PHN targets a specific population from the aggregated extracts
8. The business rule is sent to the practice's Topbar Server
9. The notification is displayed when a patient meets the business rule
10. Practice compliance status is identified

Pen CS PIP QI New Products and Features

Pen CS' new suite of software tools for General Practice and Primary Health Networks (PHNs) designed around the '10 Improvement Measures' includes:

PIP QI Essentials Compliance package – reports in Power BI, new features in PAT CAT to manage Compliance with General Practices and regulatory reporting.

- '10 Improvement Measures' tables for PHNs, in PAT BI

PIP QI Professional package - reports in Power BI, new features in PAT CAT to manage Compliance with General Practices and regulatory reporting.

- '10 Improvement Measures' Report for PHNs, in PAT CAT
- '10 Improvement Measures' tables for PHNs, in PAT BI

PIP QI for General Practice

- '10 Improvement Measures' Report for General Practice, in CAT4
- 'PIP QI App' for General Practice, in Topbar

Pen CS General Practice Resource Portal

This website provides materials for PHNs to share with General Practices, at their discretion.

To access the portal please visit: <https://www.pencs.com.au/general-practice/resources/>

Username: media

Password: gpmedia



pencs.com.au

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