

# How healthy is your patient data?

Improving Data Quality

CAT Plus and your Patient Records





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# **Improving Data Quality - CAT Plus and your Patient Records**

There are a number of tools and reports available in the Pen CS CAT Plus suite to assist general practice in improving the quality of their patient records.

The 5th Edition of the RACGP Standards for General Practice require that "Each active patient Health Record has the patient's current health summary that includes, where relevant: adverse drug reactions, current medicines list, current health problems, past health history, immunisations, family history, health risk factors (e.g. smoking, nutrition, alcohol, physical activity), social history, including cultural background."

A complete patient record contains all the items listed above, and a good practice database contains complete and clean records. Having no free text diagnosis in your patient records will enable efficient and reliable recall for patients with chronic conditions and make your reporting more reliable.

Any activity targeting data quality can be designed as a Quality Improvement (QI) activity. Provided this activity is planned and documented, it will qualify for the PIP QI payment.

This booklet provides all the relevant resources to get you started with data cleansing using CAT Plus.

Our user guides and recipes at https://help.pencs.com.au/ provide full details on the functionality of our tools, step-by-step guides (recipes) and extensive mapping for each compatible clinical system.

#### **General Practice Resources Portal**

The General Practice Resources Portal provides many resources for CAT Plus users in general practice. Here you will find key booklets, videos and a quick start guide for new users.

### **Introductory Video**

The Data Quality and CAT Plus video will give you an overview on how to use the CAT Plus tools to monitor and improve data quality in your practice. Reports and filters in CAT4 aligned with the accreditation guidelines will be demonstrated and Topbar apps assisting with data quality at the point of care will be shown.

## The Basics: Clinical Audit Tool (CAT 4)

#### **Archiving patients**

There are no national guidelines for when a patient record should be archived, but three years since the last visit is often considered as standard.

Most clinical systems have a bulk archive functionality. Please consult your clinical software support if you are unsure about how to archive all patients who haven't visited in a particular date range.

Archiving will help your clinical system to perform better and will make your reports and recall more accurate and efficient. CAT4 provides filters to remove anyone but active patients (three visits in the last two years), but the archiving has to be done in the clinical system.

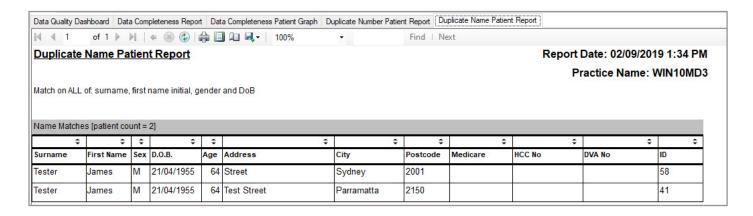
This recipe shows how to identify active patients.



#### **Duplicate records**

Duplicate patients are problematic for many reasons and should be regularly checked. If found, duplicate records should be merged following the instructions for your clinical system.

CAT4 provides two different reports under the Data Quality report to find duplicate records.



# The Basics: Clinical Audit Tool (CAT 4)

#### **Diabetes registry**

Diabetes is a chronic condition that has well defined health pathways, but without a properly coded patient history, many of the existing tools will not work.

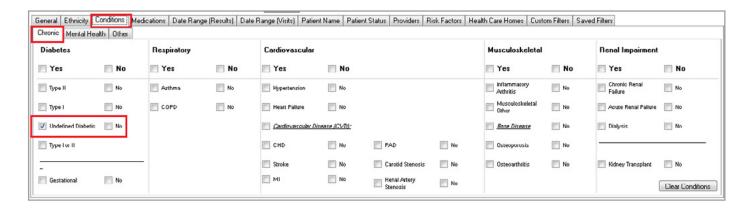
PIP QI includes diabetes in three of the ten improvement measures. The definition of these measures only looks at diabetes type I or type II.

Many patient records have a coded entry for diabetes but the diagnosis doesn't specify the type.

The resources below will help with cleaning up your diabetes register:

#### Coding Diabetes (recipe)

#### PIP QI measures related to diabetes (video)



## Bulk clean-up of free text diagnosis in patients history (MD/BP only)

Medical Director and Best Practice have built in utilities to allow you to clean up past free text entries by mapping the free text entry to the correct coded diagnosis. This might initially be a sizeable task, but once mapped, all future free text entries matching already mapped entries will be recognised and handled automatically.

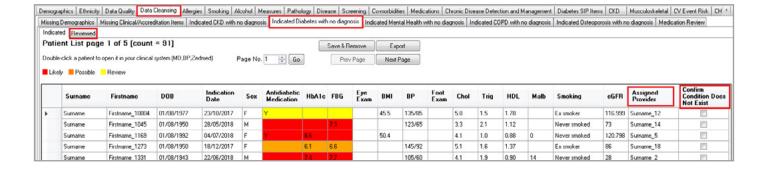
Further details can be found in these recipes:

#### Free text mapping MD users

#### Free text mapping BP users

#### **Quality of coding**

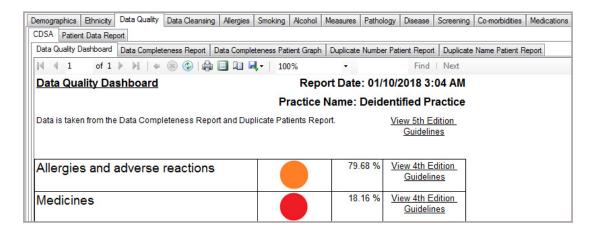
Sometimes no diagnosis has been recorded in the patient history. To overcome this, there are a number of reports in CAT4 and notifications in Topbar to point out an indicated diagnosis without a coded entry in the patient record: CAT Plus and Quality of Coding Video



#### **CDSA** report

CAT4 provides a report that summarises the data items relevant for accreditation. A simple traffic light system will highlight record compliance/completeness and makes it easy to focus practice activities to ensure patient records are meeting accreditation requirements. There are a number of related reports showing a full breakdown of each category and a bar chart that allows users to produce a list of patients for each category of the report.

Full details can be found in the CDSA user guide.



#### **Data Cleansing Reports/Data Cleansing App**

Both Topbar and CAT4 provide reports showing lists of patients with missing clinical and demographic items.

Topbar will notify users at reception (Waiting Room App) for these missing items for all patients in the waiting room. It will also prompt clinicians in the consult room for the patient currently open in the clinical system (Data Cleansing App).

Full guides for the Waiting Room and Data Cleansing App can be found here:



Waiting Room App



Data Cleansing App

# **Demographic Items**

- Surname
- Address
- First name
- Suburb
- Date of Birth (DOB)
- Postcode
- Sex
- Home Phone, Work Phone and Mobile Phone
- Ethnicity Status
- Next of Kin
- Medicare Number
- Emergency Contact

#### **Clinical Items**

- Allergies
- Height
- Weight
- Smoking
- Alcohol
- Family History
- Adverse Drug Reactions
- Immunisations
- Diagnosis Coded
- Physical Activity

#### Accreditation

CAT4's cleansing reports show the same items for all patients. The reports in CAT4 can be filtered for active patients only or any other filter criteria, such as new patients in the last six months, those with multiple visits, or with specific conditions. A full guide on the CAT4 Cleansing Report can be found here.



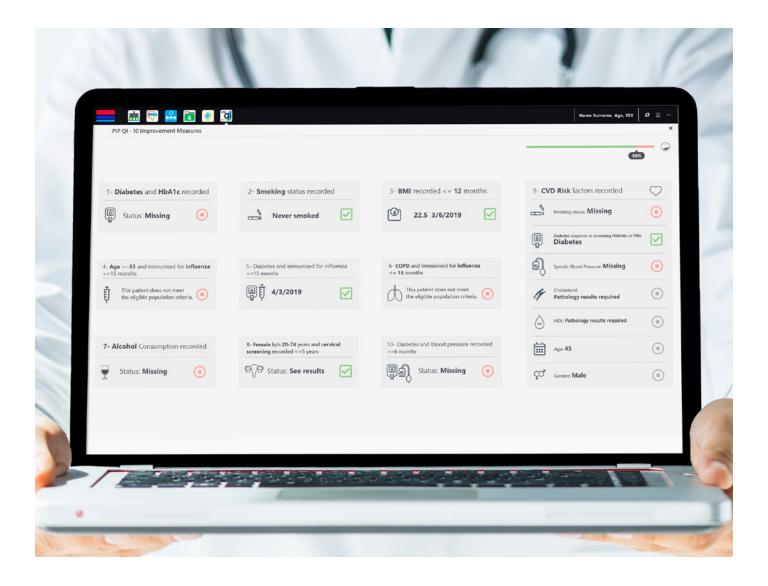
#### PIP QI

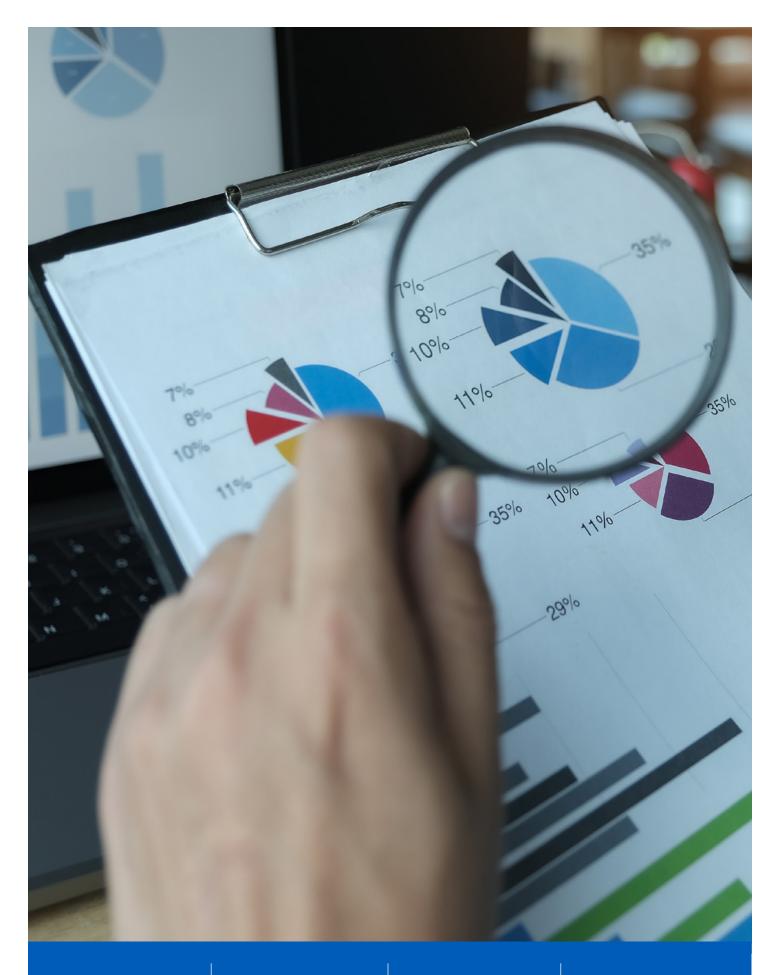
Pen CS has built the PIP QI Topbar App to give our users a simple and quick way to evaluate each patient

in regards to the ten improvement measures. The app shows the ten measures, which ones are relevant for the patient and if the improvement measure requirements are met. Full details are available here.

CAT4 has provided reports on the data items required for the ten improvement measures, and we have created a step-by-step guide (recipe) for each of the ten measures. Full details on the recipes are here.

The PIP QI for new CAT Plus users video is another valuable resource that can be used for PIP QI.





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