

# CAT4 User Guide

- CAT BACKGROUND
- DEFINITIONS AND ACRONYMS
- WHERE TO GET HELP
- SYSTEM REQUIREMENTS, INSTALLATION AND CONFIGURATION
- CAT4 USER INTERFACE
  - Starting CAT4
  - Password retrieval
  - Users working at multiple locations
  - Licence lockdown
  - Navigating the CAT4 User Interface
  - Switching Views
- COLLECTING DATA
  - What data is collected
  - How is the data stored
  - Data security and access
  - Existing data set compatibility with changes to CAT
  - Patient Consent Withdrawn - Opt Out
  - Collecting data by location
    - Best Practice Data Collection by Location
      - CAT4 Best Practice Collection by Record Prefix
    - CAT4 Communicare Collection by Location
    - Genie Collection by Location
    - MD3 Data Collection by Location
      - CAT4 MD Pracsoft Collection by Location
      - MD3 Data Collection by Prefix in Record Number
- DATA FILTERING
  - Changing Filters
  - Clearing Filters
  - General tab - Demographics
  - Ethnicity Filtering
  - Conditions Filtering
    - Medical Conditions Filter Mappings with clinical systems
    - Pregnancy
  - Medications Filtering
    - Respiratory Medications
  - Date Range (Results) Filtering
  - Date Range (Visits) Filtering
  - Patient Name Filtering
  - Patient Status Filtering
  - Provider Filtering
    - Method of assigning a patient to a provider
  - Risk Factors Filtering
  - MBS Attendance Filter
  - Filter options for Multi-Location Practices
  - PAT2CAT Custom Filters in CAT4
  - Saving Filter Criteria
    - Creating a New Filter Name
    - Loading existing filters
    - Setting a default filter
- ANALYSING A DATA SET
  - Reports and Graphs
    - Demographics (and Bar Chart functions)
      - Patient Reidentification Report
      - Patient Consent for data sharing
    - Data Quality (CDSA)
      - Patient Report
    - Data Cleansing
      - Data Cleansing Report Details
      - Indicated Conditions Report Details
    - Allergies (and Pie Chart functions)
      - Allergies Mappings with clinical systems
    - Ethnicity
    - Smoking
    - Alcohol
      - Alcohol Mappings with clinical systems
    - Measures
      - BMI (Body Mass Index)
      - BMI Children aged 5-18
      - Weight Height Percentiles Children 0-4
      - Waist
      - BP (Blood Pressure)
      - Spirometry
      - Physical Activity
    - Pathology
      - Lipids

- eGFR (Estimated Glomerular Filtration Rate)
- ACR (Microalbumin Creatinine Ratio)
- MALB (Microalbumin)
- HBA1c
- FBG (Fasting Blood Glucose)
- RBG (Random Blood Glucose)
- INR (International Normalised Ratio)
- Creatinine Serum
- Covid-19 Serology
- Covid-19 PCR
- Disease
  - Disease Mappings with clinical systems
  - Cancer Conditions Report
- Screening
  - Cervical Screening
  - Pap Smear
  - Mammogram
  - FOBT
  - Diagnosis Codes Screening Tests
  - DEXA screening
- Co-morbidities
- Medications
  - Medications count per category
  - Medications per patient
  - Medications Not Printed in Last 6 Months
- Diabetes SIP (Service Incentive Payment) Items
  - Cycle of Care by Item Recorded\_Remaining
  - Cycle of Care by Items Completed Per Patient
  - The Diabetes SIP Worksheet
  - Diabetes SIP Mappings with clinical systems
- CKD (Chronic Kidney Disease)
- Musculoskeletal
- CV (Cardiovascular) Event Risk CAT calculated
  - CV Event Risk CIS
- CHA2DS2VASC Score
- STANDARD REPORTS
  - Indicator Sets
    - APCC (Australia Primary Care Collaboratives) Report
    - QAIHC Indicators Report
    - Healthy For Life Report
    - National KPI Report
      - NKPI Report Graphs
        - Child Health Graph
        - Maternal Health
        - Adult Preventative Health
        - Chronic Disease Management
          - Type II Diabetes Graphs
          - COPD
          - CVD Graphs
        - Chronic Disease Risk Factors
      - Collecting Additional Patients in CAT4 for Reporting
    - OSR Online Services Report
      - OSR Quick Reference Guide
    - eHealth Report
    - Health Care Providers Report
  - NPI (National Performance Indicators) Report
  - Summary Report Card
  - Mental Health (MH) Summary Report Card
- Immunisations
  - Influenza
    - Cohort by MBS Fee
    - Influenza Timeline Vaccine Cover
    - Influenza Vaccination by Patient Group
  - Pneumococcal At Risk
  - Adult
    - Pertusis
    - Shingles
  - Adolescent
  - Child
  - Immunisation Reports
  - Details of Risk Factor Filter Pneumococcal
  - COVID-19
    - COVID-19 General Population - General Report
    - COVID-19 General Population - Booster Report
    - COVID-19 General Population - Second Booster Report
    - COVID-19 Vaccine Administration Report
    - COVID-19 Immunocompromised Report
    - COVID-19 At Risk - General Report
    - COVID-19 At Risk - Booster Vaccine Report

- COVID-19 At Risk - Second Booster Vaccine Report
- MBS Items
  - COVID-19 Vaccinations MBS Items
  - MBS Telehealth and Nurse Practitioner
- MBS Eligibility
- Sexual Health STI Screening
  - Screening Graphs
  - Sexual Health Pathology Test Names
- Viral Hepatitis
- Maternal Health Care
  - Baby Birth Weight
  - Antenatal Visits
- Visits
  - Last Visit
  - Assigned Provider
  - Visit Types
  - Episode Count
  - Contacts by OSR Worker Type
  - Age Gender Visit Count
  - Disease Visit Count
  - Visits Last Week (new patients)
- Digital Health
  - My Health Record Status
  - My Health Record and SHS
  - SHS Uploads
  - SHS Age
  - SHS by Provider
  - Event Summary Uploads and ES by Age
  - SHS Uploads by PIP Quarterly Period
- Exporting and Printing Reports
- Risk Stratification
  - CSIRO Risk of Hospitalisation Report
  - CSIRO Risk Stratification Score(%)
- Heart Failure CAT Reports
- Cross Tabulation Report
  - Clearing Report Selections
- HOW TO IMPROVE DATA QUALITY USING CAT
  - Patients with no Date of Birth
  - Patients with no Gender
  - Patients with no Allergy status recorded
  - Patients with no Smoking status recorded
  - Patients with incorrect Diabetes coding
- TIMELINE
- 'SEND DATA TO' FUNCTION
  - Configuring locations
    - Configure Send by Email
    - Configure Send by FTP
    - Configure Send to PATCAT
  - Sending data
- CAT TOOLS MENU
  - De-identify Dataset
  - Check for Updates
  - Add GTAGs
  - Send Data History
  - Export Data File
- CAT VIEW OPTIONS
  - Cleansing View
  - Registrar View
  - After Hours Reporting
  - My CAT Wizard
- CAT Recipes for Programs
  - Life! program
    - Life! program – Eligibility A
    - Life! program – Eligibility Risk Criteria a
    - Life! program – Risk Criteria b
    - Life! program – Risk Criteria c
  - My Health For Life Recipes
    - Find high risk patients eligible for My Health For Life
    - Find indigenous patients eligible for My Health For Life
    - Find patients eligible for My Health For Life with high CV Event risk
    - Find patients with familial hypercholesterolaemia eligible for My Health For Life
    - Find patients with high blood pressure eligible for My Health For Life
    - Find patients with high cholesterol eligible for My Health For Life

Version	Date	Modified By	Description
0-1	26 Feb 2007	Christine Chidgey	Initial
0-2	08 Mar 2007	John Johnson	Review and Comment
1-1	13 Mar 2007	Christine Chidgey	Add Appendices for Conditions and Medications Mappings
1-2	25 Jul 2007	Christine Chidgey	Updates for revised functionality and screens
1-3	07 Aug 2007	Christine Chidgey	Add Cardiovascular Risk Calculator
1-4	24 Sep 2007	Christine Chidgey	Updates for revised functionality and screens
1-5	24 Sep 2007	Christine Chidgey	Update version number to match chm file
1.6	01 Mar 2008	Christine Chidgey	Additional information included in various sections Add Home Medicine Review Updates to Appendices
1.7	23 Jun 2008	Christine Chidgey	Updates to HMR for 0 meds Updates for Version 2 release
2.0	26 Jun 2008	John Johnston	Reviewed
2.1	26 Jun 2008	Tarkan Shahho	Reviewed
2.1.1	01 Sep 2008	Christine Chidgey	Updates for new functionality Immunisations Data Summary Report Cross Tabulation Report
2.1.2	04 Sep 2008	Christine Chidgey	Add revised screen shots for new functions
2.2.1	14 Oct 2008	Christine Chidgey	Updates for NPI Reports 2008-09 Clarification of BP results
2.3.1	09 Dec 2008	Christine Chidgey	Updates for version 2.3 release and in particular to <ol style="list-style-type: none"> <li>1. add a Results Date filter</li> <li>2. provide ability to save filter criteria</li> <li>3. improve Diabetes SIP graphs</li> </ol>
2.4	17 Feb 2009	Christine Chidgey	The CAT4 User Guide has been split into 2 parts – this is Part 2 which covers the functionality of the application.  Updates for the APCC Report.
2.4.1	26 Mar 2009	Christine Chidgey	45-49 Check MBS 717 added for MD/Pracsoft3 users
2.4.2	27 Apr 2009	Christine Chidgey	Pap Smear Summary Report Card
2.5	20 May 2009	Christine Chidgey	The CAT4 User Guide Appendices B, C and D have been split out into separate documents. These Appendices cover the clinical Desktop System data mappings for Medical Director, Best Practice and Genie respectively.  Waist, BSLF (renamed FBG) graphs added MBS Items graph added for MD/Pracsoft3 users Additional Mental Health conditions and medications added to Disease and Medications graphs. Refer to appendices for mappings.
2.5.1	22 Jun 2009	Christine Chidgey	Updates for new CV Risk Calculator Updates for new logos on screens
2.5.2	08 Jul 2009	Christine Chidgey	Rename BSLF graph to FBG (Fasting Blood Glucose)  Appendix E has been added as a separate document covering the clinical Desktop System Zedmed data mappings.
2.5.3	06 Aug 2009	Christine Chidgey	Update MBS 45-59 Linkages Reports to 2008/09 FY MBS Items not recorded graph added for MD/Pracsoft3 users Update support information

2.6	29 Sep 2009	Christine Chidgey	<p>Group some existing tabs to reduce scrolling</p> <ul style="list-style-type: none"> <li>Measures tab – contains BMI, Weight, BP</li> <li>Pathology tab – contains Lipids, eGFR, MALB, HbA1c, FGB</li> </ul> <p>Updates to General Filter selections  Add Alcohol  ACR graph has been replaced by MALB  eGFR calculation has been changed  Additional MBS Items have been added for MD/Pracsoft3 users  Condition Drug Abuse has been added  NPI CDM3 report has been amended in line with DoHA (BP cut-off of &lt;=130/80)  QAIHC Indicators report added for MD users</p>
2.7	26 Nov 2009	Christine Chidgey	<p>New conditions added to filter and APCC Reporting:</p> <ul style="list-style-type: none"> <li>Peripheral Vascular Disease</li> <li>Carotid Stenosis</li> <li>Renal Artery Stenosis</li> <li>Chronic Renal Failure</li> </ul> <p>Immunisation chart for Swine flu</p>
2.7.1	15 Dec 2009	Christine Chidgey	Fix typo in CV Event Risk age range
2.8	09 Feb 2010	Christine Chidgey	<p>Update document template.</p> <p>Updates for new functionality: Tools menu option, Select All report option, Age bracket changes, Diabetes SIP worksheet improvements.</p>
2.9	17 May 2010	Christine Chidgey	<p>Charts – ACR, INR added</p> <p>Condition Atrial Fibrillation added</p> <p>MBS Item changes (45-49 tab has been removed)</p> <p>Timeline functionality</p> <p>'Send Data To' functionality</p>
2.9.2	01 Jul 2010	Christine Chidgey	Update the Ethnicity filter to include 'Not Recorded'
2.10	06 Sep 2010	Christine Chidgey	<p>QAIHC Report is available for MD and BP users</p> <p>Filters – General: add Medicare Number, Conditions: add extra Mental Health, Medications: add extra Mental Health and Respiratory</p> <p>Graphs – add Spirometry</p> <p>Send Data To – an additional email option is available</p> <p>Saved Filters – can set a default to be preloaded</p>
2.11	04 Jan 2011	Christine Chidgey	<p>Rename Gardasil Immunisation to HPV</p> <p>Update the ACR graph information</p> <p>Add practix compatibility</p>
2.12	27 Jul 2011	Christine Chidgey	<p>Add Communicare compatibility</p> <p>Add Medinet compatibility</p> <p>Updates for APCC revised screens</p> <p>New filters for last visit, activity, postcode and suburb</p> <p>Condition: Gestational Diabetes added</p> <p>Medication: Dabigatran added</p>
3.1	02 Nov 2011	Christine Chidgey	<p>New 'Screening' tab – this includes subtabs for the screening of Cervical and Colorectal (Cancer: Pap Smear and FOBT respectively). The Pap Smear tab is unchanged but has been moved under the 'Screening' tab.</p> <p>MBS Items added at 1<sup>st</sup> Nov 2011 for GP Mental Health Careplan (2700, 2701, 2715, 2717)</p> <p>MBS Item 11506 for Respiratory added</p> <p>NT AHKPI report is available for all users and can be submitted to the Improvement Foundation portal.</p>
3.2	24 Nov 2011	Christine Chidgey	<p>National KPI report is available for all users and can be submitted to the Improvement Foundation portal.</p> <p>The IF data submission has moved to the main menu (from the APCC Report)</p> <p>Immunisations &gt; Childhood Schedule has been added</p>
3.3	14 Feb 2012	Christine Chidgey	<p>HMR tab has been removed. The 'Medications per Patient' graph is now under the Medications tab.</p> <p>Filters for musculoskeletal conditions and medications have been added.</p> <p>Additional Pain Relief medications have been added.</p> <p>New graphs/reports:</p> <ul style="list-style-type: none"> <li>Medications &gt; Medications Not Printed in Last 6mths</li> <li>Musculoskeletal Risk Factors</li> </ul> <p>The Communicare Patient Status flag has been added to the General filter tab (Communicare Users only).</p>

3.3.1	27 Feb 2012	Christine Chidgey	Data Quality tab providing a clinical Data Self-Assessment (CDSA) tool funded by NEHTA – comprises of a suite of graphs and reports relating to data completeness
3.3.2	28 Mar 2012	Christine Chidgey	Patient name filter Patient Report for individual measures
3.4	13 Jun 2012	Christine Chidgey	Extracting additional patients to meet reporting requirements – refer under 'Reports' section Patient status filter
3.4.2	26 Jul 2012	Christine Chidgey	Updates to functionality for Last Visit filter, eGFR and CKD graphs.
3.4.3	03 Sep 2012	Christine Chidgey	CVD Risk graph <ul style="list-style-type: none"> <li>Updated to include 74+ age group</li> <li>Acknowledgement that the guidelines have been updated in 2012</li> </ul> <p>Add Medtech Mappings Appendix</p> <p>Update the definition of a patient visit to clarify difference between clinical systems</p>
3.5	07 Nov 2012	Christine Chidgey	Add Maternal Health tab Add Visits tab MBS Add HKC item 10986 Updates to BMI, ACR
3.5.1	10 Jan 2013	Christine Chidgey	<ul style="list-style-type: none"> <li>Update eGFR calculation from MDRD to ePI as per <a href="https://kidney.org.au/">https://kidney.org.au/</a></li> <li>Update HbA1c results to take account of the change in units to mmol/mol. CAT4 will continue to report % and will do a conversion where results are sent with the new units.</li> <li>Add Physical Activity graph under Measurements</li> <li>Remove NT AH KPI Report</li> </ul>
3.5.2	20 Mar 2013	Christine Chidgey	After Hours functionality <ul style="list-style-type: none"> <li>Add Visits &gt; Visit Type</li> <li>MBS items – add AH Item numbers</li> </ul>
3.6	21 May 2013	Christine Chidgey	NKPI Report has been updated with the 2013 indicators
3.6.1	04 Jun 2013	Christine Chidgey	OSR Online Services report is available for all users and can be submitted to the Improvement Foundation portal. OSR Supporting graphs for Visits (Contacts and Episodes) and Antenatal Visits.
3.7	29 Aug 2013	Christine Chidgey	Ethnicity filter has been moved onto a its own filter tab Formatting changes to the FOBT summary report card BP data can be collected by location, where location is a prefix to the Patient Record No  CAT Data Cleansing module has been added
3.8	13 Jan 2014	Chris Hardie	Screenshots updated to reflect V3.8, all sections reviewed. <ul style="list-style-type: none"> <li>The Diabetes SIP graphs have been updated to include eGFR as the kidney function test measure</li> <li>The DVA filter has been enhanced to include the DVA Card Color</li> </ul>
3.9	14 Feb 2014	Christine Chidgey	<ul style="list-style-type: none"> <li>Cleansing CAT - 3 new reports</li> <li>My CAT - a new view that allows users to customise their own Classic CAT views</li> <li>Spirometry graph has been updated to display measurement ranges using the FEV1/FVC ratio</li> <li>The After Hours Reports for Medicare Locals is available under the Visits tab</li> <li>Childhood Immunisations has been updated for the NIPS changes on 1st July 2013 – see QRG</li> <li>Patient withdrawn consent (or opt-out) for sharing data can be flagged</li> </ul>
3.10	14 Feb 2014	Christine Chidgey	<ul style="list-style-type: none"> <li>APCC Report includes new measures for CKD and CVD</li> <li>Immunisations – Swine flu has been removed as this immunisation is no longer available as a single vaccine and is now included in the seasonal flu vaccine</li> <li>Immunisations – HPV graph has been updated to include males as well as females</li> </ul>
3.11	29 May 2014	Christine Chidgey	<ul style="list-style-type: none"> <li>eHealth tab provides information about PCEHR, IHI and Shared Health Summaries</li> <li>Indicator Sets eHealth report is available and can be submitted to the IF portal</li> </ul> <p>Registrar CAT module has been added</p>

<b>3.12</b>	23 Jun 2014	Christine Chidgey	<ul style="list-style-type: none"> <li>• Mediflex Integration for billing (see Part 1)</li> <li>• Cleansing CAT Medication review report</li> <li>• Health Providers Report</li> <li>• After Hours Reporting View</li> <li>• Ethnicity tab</li> <li>• Filter for Antidiabetic medications</li> <li>• Filter for Risk Factors</li> <li>• Immunisations updates</li> </ul>
<b>3.13</b>	10 Oct 2014	Matthias Merzenich	<ul style="list-style-type: none"> <li>• Updated Send-to functionality for PATCAT data</li> <li>• Updated formatting</li> </ul>
<b>3.14</b>	01 Dec 2014	Matthias Merzenich	<ul style="list-style-type: none"> <li>• New online store functionality added</li> <li>• New units for HBA1c added</li> <li>• New filter for gestational diabetes added</li> <li>• Childhood immunisations updated</li> <li>• Password retrieval updated</li> </ul>
<b>3.1 4.2</b>	06 Mar 2015	Matthias Merzenich	<ul style="list-style-type: none"> <li>• NKPI essential immunisations worksheet description updated</li> <li>• Extracting additional patients description updated to clarify Communicare extractor</li> </ul>
<b>3.1 4.2</b>	12 Mar 2015	Matthias Merzenich	<ul style="list-style-type: none"> <li>• New data security feature description added</li> </ul>
<b>4.0.6</b>	15 Jun 2015	Matthias Merzenich	<ul style="list-style-type: none"> <li>• Major update to new version CAT4 <ul style="list-style-type: none"> <li>◦ revised document for company name and logo changes</li> <li>◦ new reports added</li> <li>◦ replaced screenshots to reflect UI changes</li> </ul> </li> </ul>
<b>4.1</b>	16 Nov 2015	Matthias Merzenich	<ul style="list-style-type: none"> <li>• support for multiple organisations added</li> <li>• confirmation for clinical system added at logon</li> <li>• licence lockdown details added</li> </ul>
<b>4.1.1</b>	29 Jan 2016	Matthias Merzenich	<ul style="list-style-type: none"> <li>• Updated format for online documentation</li> </ul>