

# PAT CAT Release Notes 3.5

## PATCAT Release Build v3.5.155

### New Reports:

- Pathology --> Covid-19 Serology Report
- Pathology --> Covid-19 PCR Report
- MBS Items --> Covid-19
- Updates to Reports:
  - Added "Transplant" category in "Disease Prevalence" report
  - Fix bug in "Practice Data Quality Benchmark" report where age criteria is not being honored in the measure: "Patients >= 18 years waist measurement recorded"
  - Added sub-header for the "CIS Calculated" graph that reads:  
"Non Indigenous 45 and older, Indigenous 35 and older. If older than 74, the risk will be calculated for age 74. No diagnosed CVD"
  - Enabled "Date Range (Results)" filter for "Cervical Screening Last Recorded" report
  - The following updated reports require a recalculate:
    - Disease Prevalence
    - Practice Data Quality Benchmark
    - CIS Calculated
    - Cervical Screening Last Recorded
- Other Updates:
  - Added functionalities in "Show / Hide Column" to bulk select/deselect "Groups" and/or "Individual Practices"
  - Added "Transplant" filter under "Risk Factors"
    - Note: This filter will only work for new extract imports with the correct patient data
  - Added an option to allow the user to create a PAT CAT Program Campaign only without creating a Topbar app (Note: requires Topbar version 2.9+)
  - Updated "Export Patient" to include new reports
  - Fix an issue where deactivated practice in licensing is not unenrolled from PIP QI
  - Added data placeholders for "PIP QI Email Receipt" message template
    - [practice\_name]
      - Can be used in the "Subject" and/or "Body" section
      - The data placeholder will automatically be replaced with the practice name during receipt creation
    - [extract\_submission\_details\_block]
      - Can be used in the "Body" section only
      - The data placeholder will automatically be replaced with the extract submission details
        - Extract Filename
        - Extract Date
        - Date Submitted

## PATCAT Release Build v3.5.152.18719

- Results Caching
  - Database query results (filter and report combination) are now cached in the file system
  - Cached results are always cleared after a Virtual Patient Recalculate and/or Report Recalculate
- Virtual Patient Recalculate and Report Recalculate
  - Code has been revised to use disk space (temporarily) to prevent memory pressure during heavy calculation
    - **Important**
      - Please have at least 50-100GB of disk space in the PATCAT web server at all times
      - By Default, the temporary files are stored under the PATCAT website folder. If you wish to change this, please let us know
      - Only schedule re-calculations outside business hours (preferably before weekends)
- Update Scheduling
  - PATCAT will only allow PHN users with the following PenCS portal permission to schedule a PATCAT and/or PAT-BI update
    - Super User
    - Support User
    - Administrator
- PIP QI Email Receipt and Reminders
  - In the event that SMTP details are incorrect and emails cannot be sent, receipt and reminders will be resent when a valid SMTP details are provided
    - Reminder emails will only be re-sent to practices that have not submitted a PIP QI Compliant extract for the quarter
- Login Audits
  - All login attempts (success or failure) are now logged
  - Logs can be found in: "Support" --> "Settings" --> "System Logs"
- Show/Hide Columns functionality
  - Selections are now saved against the user and report(s)
- PAT Programs
  - Fix an issue where "Prompts Dismissed" and/or "Prompts Deferred" counts are not updating
- Program Campaign
  - Added functionality to bulk set SMS/Voicemail for practices with S2V accounts
- Filters
  - Added "Date Range (Visits)" tab
  - Added "Health Cover" under "General" tab

- "Antidiabetics" filters in "Medications" --> "Medications - Other" has been moved to its own filter tab called "Medications - Antidiabetics"
  - Filter selections has been aligned with CAT4
  - Renamed "Results" filter tab to "Date Range (Results)"
  - Added "Not Stated" in "Ethnicity" filter
  - Note: By default, newly added filters will not contain any underlying data for filtering
- Reports
  - Updated "PIP QI Report" indicator labelling
  - Added new "CIS Calculated" report under "CV Event Risk"
  - "Disease Prevalence" report
    - Added "COVID-19" category
    - Added "Chronic Kidney Disease (CKD)"
  - Fix typo in "Co-morbidities" report title
  - Added "Not Stated" category in "Ethnicity" report
  - Fix count issues in the following reports
    - Pneumococcal
    - BMI Incomplete
    - Smoking Cessation
    - QAIHC
    - Missing Clinical/Accreditation (Cleansing Report)
  - "Digital Health" reports can now use "Date Range (Results)" filters
  - **Important: Please perform a recalculate for the following reports**
    - Disease Prevalence
    - Ethnicity
    - Pneumococcal
    - BMI Incomplete
    - Smoking Cessation
    - QAIHC
    - Missing Clinical/Accreditation
- Extract in progress will now show progress completion
- Switching "Audit Month" or "Extracts By Month" selection will prompt users that the applied filter and selections will be reset
- General Fixes
  - Fix an issue where the Export Service hangs when an error occurs
  - Fix an issue where changes in PATCAT sometimes does not sync with PAT-BI
  - Fix an issue where the title sub-footer overlaps the pie/bar chart when it's too long
  - Some minor styling updates

## PAT CAT Release 3.5.141

**This release will affect only PIP QI Professional reports**

- Added functionality to be able to recalculate PIP QI reports
- Fixed count issues for the following PIP QI Reports (A report recalculate is required to get updated counts)
  - PIP QI Reports
  - PIP QI CVD Risk Factors
  - PIP QI Diabetes and HbA1c
  - PIP QI Diabetes BP
  - PIP QI Influenza Immunised Diabetes

## PAT CAT Release 3.5.139

- Fixed an error in Report Recalculate:
  - Where it crashes when a patient does not have a valid Link\_ID (GUID)
  - Where it crashes when patient data files are missing
- Fixed an underlying patient data (Diabetes Type 1 and Diabetes Type 2) discrepancy when using them as filters
 

Note: Please perform a recalculate for the following reports:

  - CKD At Risk
  - CKD Management
  - Indicated Diagnoses
  - Comorbidities
  - CV Event Risk 5 Year Count
  - CV Event Risk 5 Year Excluded/Incomplete
  - Diabetes Indicator Report
  - Disease Prevalence
  - National KPI (Standard Report)
  - Practice Data Quality Report
  - QAIHC (Standard Report)
- Fixed an issue with PIP QI Email Reminders being sent to the same practice multiple times
  - Logs will be cleared (as part of this update)
  - Email reminders will be re-sent to PIP QI enrolled practices who haven't submitted a PIP QI compliant extract for the PIP QI quarter
- Added background processes that cleans up patients (removes data that is no longer needed in the PATCAT database and file system)
  - Database indexes will be added (as part of the update process) to improve the performance of the clean-up process
  - Depending on server specifications and amount of data; the database index creation may increase overall update process
- Changes to reports:

- MBS Item Count
  - Added new category "721 (CDM-GPMP) or 723 (CDM-TCA)"
  - Added new category "Heart Health Check"
- MBS Items Not Recorded
  - Added new category "Heart Health Check"
- A recalculation is required to see this information in the relevant report

## PAT CAT 3.5.129

- Fix for issue with Diabetes Type 1 and Type 2 where PATCAT under-reported numbers for patients with an 'inactive' flag for their diagnosis. This patch will increase your numbers of patients with diabetes, but as the 'inactive' flag is not generally used for diabetes we don't expect the change to be substantial.
  - The following reports are affected – each report will have to be recalculated after the update has been applied
    - CKD At Risk
    - CKD Management
    - Indicated Diagnoses
    - Comorbidities
    - CV Event Risk 5 Year Count
    - CV Event Risk 5 Year Excluded/Incomplete
    - Diabetes Indicator Report
    - Disease Prevalence
    - National KPI (Standard Report)
    - Practice Data Quality Report
    - QAIHC (Standard Report)
- Bug fixes
  - National KPI, Indicator PI 02
    - Added code to exclude Deceased patients
    - This report will require a report recalculate
  - Fix an issue in the "Export Patient" functionality where the "Results" filter is not being applied to the "Smoking" report
  - Fix an issue where practices marked as NOT Submitting are being shown in the practice filter, when users are in "Programs" View and no program is selected
- The following reports are now only affected by Practice filters
  - National KPI
  - QAIHC
  - OSR

## PAT CAT 3.5.125

- Improved PIP QI reports import performance

## PAT CAT 3.5.123

- Fix an issue where an error is thrown when users visit the User Settings page

## PAT CAT 3.5.122

- New Features
  - Missing Compliant Extract
    - This feature allows users to flag extract submission(s) as pip compliant
    - This feature can be found in Support --> Settings --> Data Management --> Missing Compliant Extracts
    - The user guide is available at: <https://help.pencs.com.au/display/ds/Bulk+Update+PIP+QI+Enrolment+Status>
  - PIP QI 10 Measures
    - These reports are only available when you have PIP QI Professional license
    - The user guide is available at: <https://help.pencs.com.au/display/ds/PAT+CAT+PIP+QI+Professional+Guide>
    - Note to PIP QI Measures reporting: Currently only extracts uploaded after this update has been applied will contain data. We will release an update to perform a recalculation for older extracts soon.
- Others
  - Saved filters that include practice filtering will no longer work and need to be re-created
  - Minor fixes to improve report query stability and full page load
  - CAT4 Filters are now ordered by "Filter Name"

## PAT CAT 3.5.119

- Fix an issue where the saved practice details is not being reflected in the practice listing

## PAT CAT 3.5.118

- PAT PIP QI module - Essentials functionality:
  - PIP QI Practice enrolment
  - PIP QI Email Receipt and Reminders
  - PIP QI Submission Status graph
- Other
  - BMI valid height rules corrected at ages 17 and/or 25
  - Filters fix where filters not able to be applied for PAT Programs since last PAT update

## PAT CAT 3.5.117

- Fix an issue where SQL queries were throwing Primary Key constraint violations

## PAT CAT 3.5.114

- PAT CAT Date Range Results filter to include 15 month option
- Date Range Result filter available for the Influenza graph - this will need a recalculation for older reports
- Date Range Results filter available for the Smoking graph - this will need a recalculation for older reports

## PAT CAT 3.5.108

Minor patch release

## PAT CAT 3.5.105

- Cancer filter, graph and prompts functionality (these report on an active diagnoses)
  - Link to report user guide: <http://help.pencs.com.au/display/ds/Cancer+Report>
  - Link to filter user guide: <http://help.pencs.com.au/display/ds/Cancer+Filter>
- MBS Items categories now include non VR GP numbers for Health Checks, Care Plans, Cycles of Care, Medications Reviews
  - Note that the nKPI Report MBS item number categories do NOT include new non VR GP item numbers. AIHW has advised the Department of Health has not approved any change.
  - Full details on item numbers are here: <http://help.pencs.com.au/display/ds/MBS+Items>
- CV Event Risk will report 'High Risk' for patients that match the criteria specified in the NVDPA guidelines
- Indicated CKD report will include patients without diagnosis and with eGFR<60 and no ACR
  - Full details for the above items can be found here: <http://help.pencs.com.au/display/CG/CAT4+Release+Notes+V4.15>
  - Both the CV Event report and CKD report will need a recalculation for older extracts to reflect the changes in the algorithm
- Respiratory Meds filter has the new COPD combination with ICS (ICS/LAMA/LABA)
- Waist measurement report has a new category for "< 18yrs Not Recorded"
  - For older extracts a recalculation will be required to show the new report category
- Spirometry report title updated to reflect that reports POST data only
- PAT Cleansing Indicated Condition Reports will exclude patients that have been reviewed by the practice as not having the condition
  - This information will only be available from CAT4 V4.15 onward, a recalculation is required to see this information in the relevant report
- Import Service Improvements
  - Revised code to help recover when database server is unavailable and/or unexpected errors occur
  - Extract import is given high priority over most automated processes
    - Some automated processes will abort execution when it detects there are extracts in the Request Queue

## PAT CAT 3.5.89

New PAT Filters added to align with CAT4

- Conditions Other Filter now provides FH, Hepatitis and Liver, Trichiamoniasis
- Medications Respiratory Filter has been updated for new medications
- Risk Factors

Some of the new filters are dependant on the CAT4 data extract version. Practices with old versions of the data extract will be excluded from these filters.

- The number of practices that will be included will be displayed in the top right under the recalculate button.
- Reports will display practices that are excluded with a dash in each data field

The PHN Default Logo on the login and landing page can now be customised to the PAT Organisation's own logo

## PAT CAT 3.5.87

Some of the new or changed functionality will require a report recalculation. For full details on how to recalculate see here: <http://help.pencs.com.au/display/ds/Report+Recalculate>

- New/Updated functionality
  - Cleansing PAT report denominator has been updated to include all patients (filtered or unfiltered). This means that the percentages in the report tables will now refer not to the targeted patients (those with one or more missing items) but to the total population. To see the updated numbers a recalculation for this report has to be done first.
  - Added visual indicators for CAT4 extracts in the Import window. This will enable the users to see which of multiple uploads from one clinic /month is **included**, **superseded** or **excluded**.
  - Added option to create prompts for missing weights and/or heights
  - Added option to select total population in time line graphs
- Bug fixes
  - Fixed PAT Prompts bug when filtering for archived/deceased patients
  - Fixed eGFR count – needs a recalculation to correct eGFR report numbers
  - Fixed count for MBS 10997 and 10987 – needs a recalculation to correct MBS report numbers
  - Other minor fixes and improvements

## PAT CAT 3.5.67

- Updated National KPI report (section PI22, Cervical Screening)
  - Now including HPV tests from 1 December 2017
  - Disaggregation by age group
  - Includes age range 20-74 (was 20-69)
- Updated FBG report categories (requires report recalculate for old data)
  - < 5.5
  - >= 5.5 and <= 6.0
  - > 6.0 and < 7.0
  - >=7.0
  - No FBG Recorded
- New graphs available to use in PAT Prompts
  - Immunisations - Influenza
  - Immunisations - Pneumococcal
  - Immunisations - Shingles
- New feature to backdate imported extract by 1 month ("Quick How To" below)
  - Click on "Import" button
  - Click "Imported Extracts" tab
  - Tick the extracts you want to backdate 1 month
  - Click on "Request to Change Month" button
  - A popup/window will be open to allow user to backdate the extract month
  - Make your changes and click "Save"
  - For more information, please refer to: <http://help.pencs.com.au/display/ds/Imported+Extracts>
- Removed patient status pre-filter conditions (during import) in Practice Data Quality Benchmark Report (requires report recalculate to reflect changes). This report was until now pre-filtered by to include only active and current patients.
- Fix issue with Last Recorded Result Date Range filter doubling up the counts
- Fix pagination issue in the Prompt listing window

## PAT CAT 3.5.62

- Reworked Patient Export functionality. All patient exports will now be put into a queue and be processed in the background
- Added "Shingles" report (Immunisations --> Adult --> Shingles)
- Added new categories in disease prevalence when creating prompts
  - CKD
  - HIV
  - HEP B
  - HEP C
  - FH
- Updates to "Date Loaded" in the "View Population" window (Population button) from UTC to local server time
- Updates to PAT Programs (Configure Prompt Behaviour)
  - "Description" now available for all types of programs
  - Added "Link Text" - this is displayed in Topbar below the Program description
  - Added "Link" - this is the underlying URL for the "Link Text" to be displayed in Topbar
- Fixed timeout issue when deleting a practice

- Fixes broken links in the Support page
- Fixed spelling error in filter description when the "Osteoporosis" filter is applied

## PAT CAT 3.5.53

### Programs

- Added configuration types to programs. A program can be used for Enrolments or Hyperlink Clicks
  - Existing programs are treated as enrolment types
  - For more details about this subject, please contact relevant Pen CS Account Manager
  - New program related statistics (visible in the Practice Management screen when a program has been selected)
    - Viewed the number of times a program (or App in Topbar) is clicked open for a unique patient
    - Hyperlink Clicks - the number of hyperlinks clicked (only available on Hyperlink type programs)
    - Program listing is sortable by ID or Creation Date
    - Added new graph categories for Prompts
      - CKD
      - HIV
      - HEPB
      - HEP C
      - Note: These categories are only available when in Programs view

### New Reports and/ or Features

- Hyperlink Clicks report - shows how many patient clicks were done for a selected Hyperlink program
- Disk Management - this feature can be found in Support -> Setting -> Data Management Tab -> Disk Management
  - Database Information - shows the database related information, such as total size (data and log), available space in the database etc.
  - Disk Information - shows the different disk / volumes information related to the database

### Other Fixes and/ or Improvements

- "Undefined" spelling error in report Indicated Diagnoses
- Performance updates during login
- Custom database maintenance plan is available
  - Please contact relevant Pen CS Account Manager if you wish to apply this to your PATCAT
  - This is a manually process and requires server access