

PBS API Software Vendor Webinar

Dispensing overview and updates

This meeting **will** be recorded. If you do not wish to take part in the MS Teams recording, please do not join the meeting. By joining the meeting, you are consenting to being included in the recording.

Thank you for joining, this webinar will begin at 11am, 7 November 2024
or once traffic slows coming into the meeting.



Acknowledgement of Country

We acknowledge the Traditional Custodians of country throughout Australia and their connections to land, sea and community. We pay our respect to their Elders past and present and extend that respect to all Aboriginal and Torres Strait Islander peoples today.



Australian Government

Department of Health and Aged Care

Before we begin...



Please turn off your webcam



Please mute your microphone unless speaking



Any questions? Email HPP.Support@health.gov.au



Agenda

Dispensing overview and updates

Introduction

- General recap
- Future releases
- Update on AMT v4

v3 API changes

- Pricing
- PBS Public data API

Discussions

- Q & A



PBS API General recap

- All current forms of PBS Schedule data will continue to be available as long as there are key fixes being implemented. There will be at least three months' notice of discontinuation once the API is stable.
- PDF Schedule and SOC - Will continue to be available in PDF form ongoing <https://www.pbs.gov.au/browse/publications> or under embargo.
<https://data.pbs.gov.au/data-distribution/data-distribution.html>
- Supporting resources that have been updated
- V3 is the current version. [API catalogue](https://data-api-portal.health.gov.au) - <https://data-api-portal.health.gov.au>

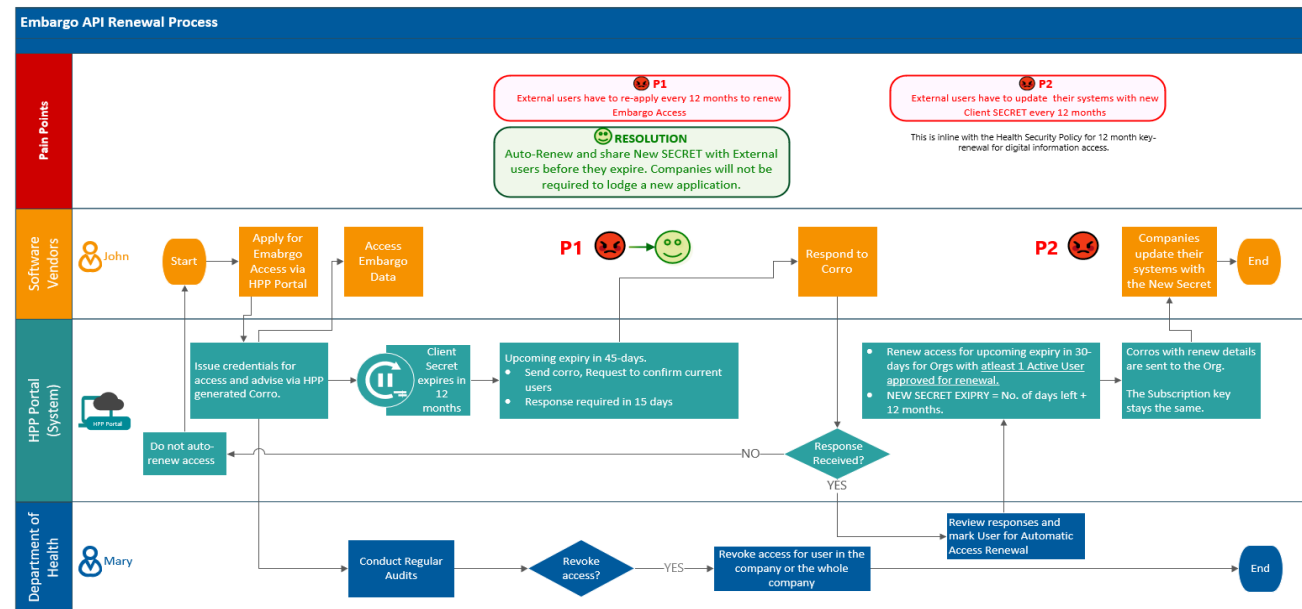


PBS API – Future Releases

Future release (November 2024)

Embargo API Access Renewal

- Companies will no longer need to re-apply for access renewal, if they confirm which users need to retain access beforehand
- Updated Process below; the communication will be managed via correspondence. Expect this solution to be in-place before the end of the year.



PBS API – Future Releases

Future release (Date: TBC, around December trying not to interfere with production data releases)

New (For V3 only)

- New Column `changed_endpoint` added to Summary of Changes
- New column `first_listing_date` added to the restrictions table
- Schedule endpoint : Get latest schedule in newest to oldest format
- New filter added to all endpoints to show the latest schedule information only
- API Changelog Tracking Implemented for Major/Minor/Patch releases



Australian Government

Department of Health and Aged Care

PBS API – Future Releases

Future release (Date: TBC, around December trying not to interfere with production data releases)

Data Modifications (Data Enhancement)

- In `api/v3/items` endpoint, the values in `weighted_avg_disclosed_price` column has been changed to NULL.

Data Modifications (Flags/indicators)

- In `api/v3/amt-items` endpoint, remove all Null values from flags/indicators. `exempt_ind`
- In `api/v3/items` endpoint, remove all Null values from flags/indicators. `pack_not_to_be_broken_ind`, `determined_qty`, `safety_net_resup_rule_cnt_ind`, `continued_dispensing_flag`, `continued_dispensing_emergency`, `originator_brand_indicator`, `water_added_ind`, `policy_applied_bio_sim_up_flag`, `policy_applied_imdq60_flag`, `policy_applied_imdq60_base_flag`, `policy_applied_indig_phar_flag`, `legal_unar_ind`, `legal_car_ind`



PBS API - Future Releases

Future release (Date: TBC, around December trying not to interfere with production data releases)

Data Modifications (Data Enhancement)

- Any reference to res_code 9999_9999_R and prescribing_txt_id 119998, 119997 has been removed from item-restriction-relationships, restrictions, restriction-prescribing-text-relationships and prescribing-texts tables
- If a given item has a '**therapeutic_exemption_indicator**' value of 'Y'/true in the **api/v3/items endpoint**, then within the '**Item-Dispensing-Rule-Relationships**' endpoint, the **special_patient_contribution**, **brand_premium** and **therapeutic_group_premium** columns is set to '**0.00**'

Documentation updates

- API definition Updates – Swagger and data dictionary



PBS API - Future Releases

Future release (Date: TBC)

- AMT V4 Updates, AMT TPUU Content & Non-AMT Codes
- Incorporate the copyright statement into the API
- Embargo files disappearing
- More history in the API
- Known issue - restrictions API endpoint, the SCHEDULE_HTML_TEXT contains incorrect formatting. These fields combine both Schedule and LI text information.
- Improved rendering and presentation of restrictions including ordering of components withing an item code
- Possible new **/item-overview** API endpoint
- Remove API v1 beta
- Remove API v2 beta
- Known issue - /item-dispensing-rule-relationships API endpoint, the DISPENSE_FEE_TYPE_CODE values are incorrect for all extemporaneous medicines. These are currently appearing with a value of 'NF'. The correct value for these items should be 'EP', as per the data dictionary. The values are correct for ready-prepared and EFC medicines)
- Known issue - /items API endpoint, The Originator_brand_indicator values may be incorrect.

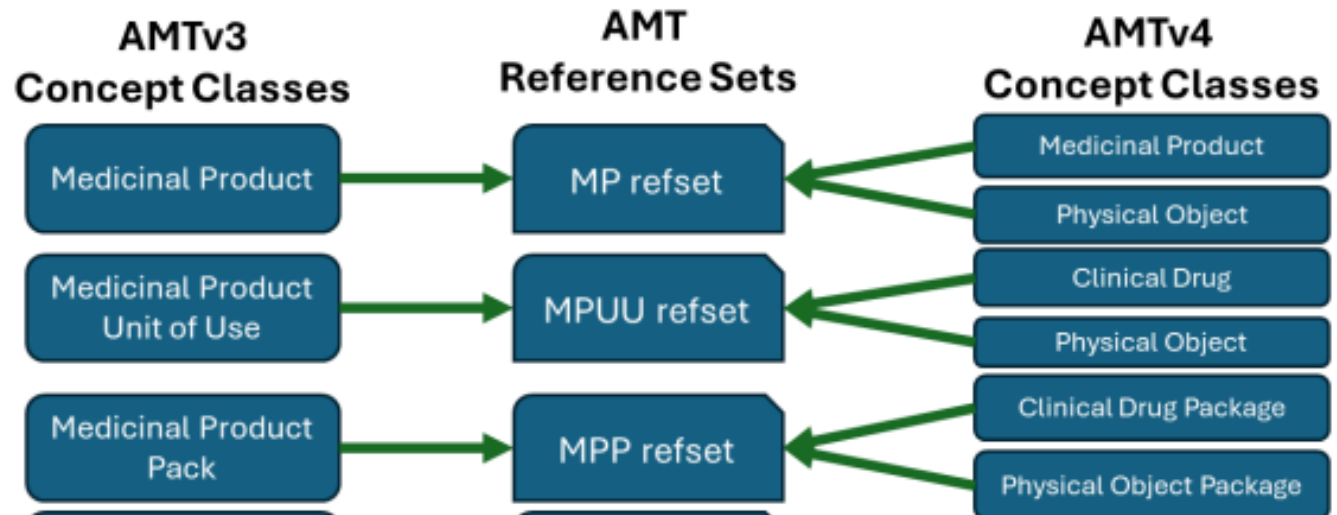


PBS API – AMT v4

PBS incorporation

- Early next year.
- No change to the reference set name of the 7 box set Health uses.
- Semantic tags will be added to the data dictionary for reference.

Figure 1: Relationship between Concept Classes and Reference Sets



Reference from CSIRO document.
AMT v3 to AMT v4 &
SNOMED CT-AU Package
Changes
Comparison
and Migration
Guidance
March 2024



PBS API - Pricing

Pricing questions

- Hospital discount co-payment amounts.
- /items endpoint, the values in weighted_avg_disclosed_price column is not required for PBS claiming purposes. Future change, change all values to NULL and remove column in v4.
 - Is anyone using it?
- Where is the in API is the DPMQ as shown on Website.
 - /item-dispensing-rule-relationship endpoint, man_dispnsd_price_max_qty.

Pricing enhancement

- What prices are needed?
 - Have been asked about the following:
 - Markup code and amount
 - Max Safety Net contribution
 - Proportional published Ex-manufacturer price (PREMP)
 - General patient charge



PBS API - Pricing

Pricing

- Enhance Item dispensing rule relationships
- Which dispensing_rule_mnem to use?
 - That all depends on the setting where the prescription is claimed.
- How to find cp2p and cdpmq value from the API data?
 - cp2p = /item-dispensing-rule-relationships endpoint, cmnwlth_price_to_pharmacist
 - cdpmq = /item-dispensing-rule-relationships endpoint, cmnwlth_dsp_price_max_qty

s94-private-s100
s90-cp
s94-public
s94-private
s90-cp-s100
s90-cp-sa
s94-public-s100
s94-private-sa
ds-assoc
combined



PBS API - Pricing

Max Quantity type = Determined quantity

- Can rename in v4.

determined_qty

Where a Prescribing Rule (Item) has a *maximum_amount* instead of a *maximum_quantity_units*, the value of this field will be Y. This should only apply to Infusible items, i.e. program_code = IN, IP, TY, TZ.
Values: Y/N. Extemporaneous = N
Also known as 'maximum quantity type'.



API data to PBS text files

Please be aware that the Department does not endorse the current text files

- The current text files are no longer fit for purpose, they have become an over-simplification of the PBS.
- The API has been developed with a view that different end users can seek to obtain only the data they specifically need (e.g. prescribers might not need pricing information but need to access other information for the purpose of prescribing).
- New documentation with better SQL matching outputs to the current text files will be published soon. *Please note that these SQL queries are for reference purposes only to help identify relationships between text files and the API data. Not designed to be use as your end product solution.*
- Some show differences due to extra white spaces in the middle or at the end of sentences. This issue is consistent with the PBS data, where spaces or returns are displayed as spaces.



PBS Text File -> API Mapping Information Summary

Text File Name	Readiness Status and Key Differences
AMT	<p>Status :- In Progress Current text file will be available until issues are resolved.</p> <p>1. We have identified an issue in the following text file columns: tpp_pt – Content does not exist in the API for Non-AMT. cemp-tpp (Proportional Published Ex-Manufacturer Price)– Content does not exist in the API. tpuu_id – Content does not exist.</p> <p>2. PFDI is not in API data. From 1 July 2020, the Premium-free Dispensing Incentive (PFDI) was discontinued, with funding reallocated to other 7CPA components including the significant increases to the dispensing fee, AHI and dangerous drug fee.</p>
ATC	<p>Status :- Complete The extracted text files and API data show differences due to extra white spaces in the middle or at the end of sentences. This issue mirrors the PBS data, where spaces or returns are displayed as spaces.</p>
Manufacturer data	<p>Status :- Complete The extracted text files and API data show a formatting difference in the mnfr-telephone column. The API data includes the country code, which is consistent with the PBS data.</p>
Continued Dispensing (CD)	<p>Status :- Complete All columns and data are matching between the text files and the API result-set.</p>
Medication Chart	<p>Status :- Complete All columns and data are matching between the text files and the API result-set.</p>
Prescriber Type	<p>Status :- Complete The extracted text files and API data show differences in the drug name text in a few cases.</p>



PBS Text File -> API Mapping Information Summary

Text File Name	Readiness Status and Key Differences
Drug data	<p>Status :- In Progress</p> <p>80% of the results are matching the query. We are reviewing the business rules to identify the correct values. In the drug text files, fields like mp-pt have an 80-character length limit, but the API is displaying the full content without truncation.</p> <p>sample data</p> <ul style="list-style-type: none">• in text for mp-pt column :- amino acid synthetic formula supplemented with long chain polyunsaturated fatty• api response it displays :- amino acid synthetic formula supplemented with long chain polyunsaturated fatty acid <p>Truncated drug name have caused issues with prescribers and dispensers in the past.</p> <p>Manufacture price to Pharmacy – Investigation underway API is NULL for infusibles and Extemp. Equals the commonwealth price to pharmacy ?</p> <p>mp-pt differences for RPBS - Investigation underway</p>
Fees	<p>Status :- In Progress</p> <p>Current text file will be available until issues are resolved.</p>
Safety Net	<p>Status :- Complete</p> <p>All columns and data are matching between the text files and the API result-set.</p>
Pharmacy PBS Item Table	<p>Status :- Complete</p> <p>All columns and data are matching between the text files and the API result-set. We are not considering those records from Pharmacy PBS Item Table Txt file which contains end-date.</p>
Authorities Restrictions	<p>Status :- Complete</p> <p>The extracted text files and API data show differences due to extra white spaces in the middle or at the end of sentences. This issue is consistent with the PBS data, where spaces or returns are displayed as spaces.</p>
Restriction Extract (Delimited/Fixed)	<p>Status :- Complete</p> <p>There are two restriction text files, Fixed and Delimited, but only one example is provided. The main difference noted is that the misc-flag column exists in the text file but not in the API result-set.</p>



PBS Text File -> API Mapping Information Summary

Text File Name	Readiness Status and Key Differences
Link Extract	<p>Status :- Complete</p> <p>All columns and data are matching between the text files and the API result-set where data is available.</p> <p>The following fields will not be displayed in the API response:</p> <ul style="list-style-type: none">increase-code – not recruitable.start-date – restriction start date will be added soon.end-date – when it stops being in the data is when it ends.
Note extract	<p>Status :- Complete</p> <p>The extracted text files and API data show differences with spacing between or at the end of text in sentences. This issue is consistent with the PBS data, where spaces or returns are displayed as spaces.</p>
Caution extract	<p>Status :- Complete</p> <p>All columns and data are matching between the text files and the API result-set.</p>
streamlined.txt	<p>Status :- Complete</p> <p>All columns and data are matching between the text files and the API result-set.</p>
Control Text	<p>Status :- Rejected</p> <p>The control.txt file is solely for extracting text, and if a publication date is needed, it can be retrieved through the schedule endpoint. The control.txt file has now been removed.</p>
Dispensing Incentive Items (DI)	<p>Status :- Rejected</p> <p>From 1 July 2020, the Premium-free Dispensing Incentive (PFDI) was discontinued.</p>



PBS API – Pricing

Comments or questions on the slides?

Any other general questions?

What pricing fields do you need?



Pricing Discussion

