**PubMed LinkOut for Pure Users**

**Instructions for Pure users on how to find data to join PubMed LinkOut**


AIM: Find URLs to full-text items in your IR that have a PMID, but not a PMCID.

**Step 1: find Pure records that have a PMID, and also have open access full-text.**

Note: Pure only holds PMIDs for records that have been imported from PubMed. PMC IDs are not stored like other identifiers like ISBNs or DOIs. Set up a new report with the following filters:

- Organisation Unit - include all underlying subunits
- Source: select value is PubMed
- Electronic version(s) of this work: Accepted author manuscript/Submitted manuscript

**Recommended values for data table:**

- Electronic versions(s) of this work > DOI
- System info > Source-ID
- System info > UUID
- System info > ID
- Add access version of this item > Open Access embargo date

This report will pull all records from Pure that have been imported from PubMed, and will show the Pure ID/DOI/PMID/UUID and OA embargo date. The UUID will be used to generate a stable URL to the item page in the portal. Export the report as an Excel spreadsheet.
Step 2: Find out which Pure records with PMIDs also have PMCIDs

If a paper has a PMC ID then it will have an open access version in PubMed Central and the LinkOut won’t be interested in including that record. You can use the online PMCID - PMID - Manuscript ID - DOI Converter to find out if the items in the Pure report have PMC IDs:

https://www.ncbi.nlm.nih.gov/pmc/pmctopmid/

Cut/paste PMIDs into the box, select CSV result format and convert 100 records at a time. Any more will likely to produce an error.

<table>
<thead>
<tr>
<th>PMID</th>
<th>PMCID</th>
<th>DOI</th>
<th>Manuscript IDs</th>
<th>Release date</th>
<th>Error message</th>
</tr>
</thead>
<tbody>
<tr>
<td>30325587</td>
<td>PMCID3630304</td>
<td>10.1002/jpe.32652</td>
<td>NHRM974875</td>
<td>2019-10-15</td>
<td>-</td>
</tr>
<tr>
<td>30487263</td>
<td>PMCID341299</td>
<td>10.2337/dbae.0567</td>
<td>NHRM974875</td>
<td>2020-02-01</td>
<td>-</td>
</tr>
<tr>
<td>30406385</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Identifier not found in PMC</td>
</tr>
<tr>
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<td></td>
<td>Identifier not found in PMC</td>
</tr>
</tbody>
</table>

Ignoring the results with PMCID, cut/paste the remaining PMIDs (Identifier not found in PMC) into a new column in the Pure report spreadsheet.

Step 3: Identify the Pure records which can be included in PubMed LinkOut.

So far we have a list of records in Pure that have a PMID (which may or may not have PMCID), and a list of PMIDs that have been checked to make sure they don’t have PMC IDs. What we need to do now is merge the data. There are a number of different ways to do this in Excel, but I chose to use the conditional formatting function to highlight duplicate PMIDs in Pure that are on the ‘not in PMC list’ we created. Filtering by colour will then give you a list of records which can be included in the PubMed LinkOut programme. I chose to remove the items which are currently under an embargo which can be identified from the Open Access embargo date, and removed using a filter.
All that is remaining to do is to tidy up the records and add the stable URL. This can be done by taking the UUID-4 value from the Pure report and concatenating with the handle server ID for Pure, for example:

```
Handle + UUID-4 = URL , e.g:
http://hdl.handle.net/20.500.11820/e22c7edc-9533-4ad3-ae44-3f706dd7682c
```

Now you have a list of URLs of items in Pure that have PMIDs but not PMCIDs which you can submit to the LinkOut Programme.