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| **Code List Checklist\*: Methylphenidate** |
| **Metadata** |
| Title | Methylphenidate |
| Code List Name | methylphenidate |
| Author | Helen Strongman |
| Date finalised | 27/11/2024 |
| Target data source | Clinical Practice Research Datalink Aurum (March 2023 and September 2023) and GOLD (March 2023) |
| Terminology | -CPRD Aurum Dictionary of Medicines and Devices (dm+d) mapped to CPRD prodcodeid -CPRD GOLD gemscriptcode mapped to CPRD prodcode |
| **Definition of clinical concept** |
| Concept  | Methylphenidate prescription |
| Timeframe  | No restrictions |
| Accuracy  | There was no ambiguity in coding |
| Setting | Prescriptions written in UK primary care practices |
| **Identify and evaluating existing code lists** |
| Source searched  | A Google search was undertaken using the search term “cprd methylphenidate”. |
| Existing code lists found | N/A |
| **New code list creation** |
| Synonyms  | methylphenidate, concerta, delmosart, equasym, medikinet, xaggitin, tranquilyn, Ritalin, affenid, matoride, xenidate, equasym, meflynate, metyrol: all identified by searching BNF entry for methylphenidate including names in the “medicinal forms” section. |
| Exceptions | None |
| Methods used | A script of lower-case terms was used to search drug substance, product name, and termfromemis fields. Terms could be recorded anywhere in the string. A search of additional product names was also undertaken using a list of medication product names where methylphenidate was the active ingredient. |
| Search terms | Inclusion: methylphenidate, concerta, delmosart, equasym, medikinet, xaggitin, tranquilyn, Ritalin, affenid, matoride, xenidate, equasym, meflynate, and metyrol.Exclusion: none |
| Hierarchy used to extend search | None |
| Decisions made while iterating | None |
| (Optional) Categories | N/A |
| **Review, finalise and publish** |
| Reviewers | Dr Sofia Eriksson (Neurologist & sleep specialist, University College London Hospitals NHS Foundation Trust and UCL).  |
| Scope of review | The draft code list, and search terms were reviewed. |
| Evidence of review | The process is documented in the following HTML files: codelist\_methylphenidate\_derivation\_aurum.htmlcodelist\_methylphenidate\_derivation\_gold.html(See “Resources published” section for location). |
| Internal checks | Undertaken by Helen Strongman.  |
| External checks | None |
| Code list published | The code list is published on the project’s LSHTM Data Compass page: <https://doi.org/10.17037/DATA.00004742>.And in the study’s Github repositories at: <https://github.com/hstrongman/OSA-narc_CPRD_validation> (Aurum Sept 2023)<https://github.com/hstrongman/OSA-narc-CPRD-chronology> (Aurum/GOLD March 2023)Files comprise:codelist\_methylphenidate\_aurum.txt codelist\_methylphenidate\_aurum.dtacodelist\_methylphenidate\_gold.txt codelist\_methylphenidate\_gold.dta |
| Resource published | The Do file and HMTL documents describing the code list derivation and search strategy are available in the study’s GitHub repositories Files include:codelist\_methylphenidate.docodelist\_methylphenidate\_description.html (refers to associated text files)codelist\_methylphenidate\_derivation\_aurum.htmlcodelist\_methylphenidate\_derivation\_gold.html |

\*Matthewman J, Andresen K, Suffel A, Lin LY, Schultze A, Tazare J, Bhaskaran K, Williamson E, Costello R, Quint J, Strongman H. Checklist and guidance on creating codelists for routinely collected health data research [version 2; peer review: 3 approved]. NIHR Open Res. 2024 Sep 18;4:20.