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| **Code list Checklist\*: Modafinil** |
| **Metadata** |
| Title | Modafinil |
| Name | Modafinil |
| 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 prodcodeidPRD GOLD gemscriptcode mapped to CPRD prodcode |
| **Definition of clinical concept** |
| Concept  | Modafinil prescriptions |
| 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  | Google search using the term “cprd modafinil”  |
| Existing code lists found | None |
| **Create a new code list** |
| Synonyms  | modafinil provigil (identified by searching BNF chapter 4040000 - centrally acting sympathomimetics including the product names in the “medicinal forms” section). |
| Exceptions | None |
| Methods used | A script of lower-case search terms was used to identify relevant drug substance, product name, and termfromemis fields. Terms anywhere in the string were identified. An additional product names search of product name listings in which modafinil was the active ingredient.  |
| Search terms | Inclusion: modaf and provigilExclusions: None |
| Hierarchy used to extend search | checked BNF chapter 4040000 |
| Decisions made while iterating | No additional terms found |
| (Optional) Categories | N/A |
| **Review, finalise and publish** |
| Reviewers | Dr Sofia Eriksson (Neurologist & sleep specialist, University College London Hospitals NHS Foundation Trust and UCL). Dr Alex Lyons (Research Fellow, LHTM): Data management, finalisation and publication.  |
| Scope of review | The draft code list and both the search and exclusion terms were reviewed. |
| Evidence of review | The process is documented in the following HTML files: codelist\_ modafinil \_derivation\_aurum.htmlcodelist\_modafinil\_derivation\_gold.html(See “Resources published” section for location).The process is documented HTML file: codelist\_modafinil\_derivation\_aurum.htmlcodelist\_modafinil\_derivation\_gold.html |
| Internal checks | Undertaken by Helen Strongman |
| External checks | There are currently no modafinil specific code lists/algorithms to compare with the one generated for this project. |
| 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\_modafinil\_aurum.txt codelist\_modafinil\_aurum.dtacodelist\_modafinil\_gold.txt codelist\_modafinil\_gold.dta |
| Resources published | The Do files and HMTL documents describing the code list derivation and search strategy are in the study’s GitHub repositoriesFiles include:codelist\_ modafinil.docodelist\_modafinil\_description.html (refers to associated text files)codelist\_modafinil\_derivation\_aurum.htmlcodelist\_modafinil\_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.