

CIPHER - VA Phenomics Library

Phenotype Entry Form



Section	Instructions	Phenotype Information
Phenotype Name	Full phenotype name	
Abbreviations and keywords	Up to 5; this can include MESH terms	
Status (Choose One)	Choose "Working" if phenotype is completed, but not validated. "Validated" phenotypes are completed and validated via: Gold Standard chart reviews, replication of known associations, etc.	☐ Working ☐ Validated
Algorithm Overview		
Data Classification	Choose all that apply	☐ Combat Related ☐ Demographics ☐ Diseases ☐ Health Access and Metrics ☐ Health Services and Programs ☐ Labs ☐ Lifestyle/Environmental Factors ☐ Medications ☐ Procedures ☐ Vitals
Related Disease Domain	Choose all that apply	☐ Cardiovascular ☐ Congenital Anomalies ☐ Dental ☐ Dermatology ☐ Endocrine/Metabolic ☐ ENT/ Ophthalmology ☐ Gastrointestinal ☐ Genitourinary ☐ Geriatric ☐ Hematology ☐ Infectious Disease ☐ Injuries/ Poisonings ☐ Mental/ Behavioral Health ☐ Musculoskeletal ☐ Neurology ☐ Obstetrics/ Gynecology ☐ Oncology/ Neoplasms ☐ Respiratory ☐ Rheumatology ☐ Symptoms ☐ Women's Health

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Algorithm Description	General summary of algorithm in 1-2 sentences. Include the purpose of the phenotype.	
Population	Describe population used to develop phenotype or the population this phenotype is applicable to. Include timeframe of data used. Optional: Provide demographics for the cohort used. (Limit: 250 characters)	
Date Algorithm Created	Date of algorithm release and/or publication	
Author	Name of project and/or research group/ program that created phenotype	
Contact	Who is the point person for questions about this phenotype? Add name and email. (Group email is suggested)	
Acknowledgment and Publication		
Publication	Add manuscript citation and/or hyperlink to PubMed or preprint journal, if applicable	
Acknowledgement	List of authors, grant number and/or acknowledgment language that should be used to cite your work	
Algorithm		
Method Used	Select all that apply	☐ Rules-Based ☐ Machine Learning - Supervised ☐ Machine Learning - Semi-Supervised ☐ Machine Learning - Unsupervised ☐ Machine Learning - Other approach ☐ Other, <i>please specify</i>

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Algorithm Components	Describe the data components used to derive the algorithm and how they were used:	Description:																											
	- Description: How the algorithm components are used to develop the phenotype; for example, “at least 2 ICD codes within 6 months”, or “at least 1 ICD code + a positive lab test confirms xx”. - Text snippets refers to components derived from clinical notes which may include structured medical concepts such as CUIs or other extracted data - If natural language processing (NLP) was used to generate the phenotype, please specify the tools, dictionaries and data domains used - For Code List, reference CDW table names where possible to facilitate use of this phenotype. - Note whether there are codes that should be excluded in the description box to the right of the component. - Attach programming codes (SQL, SAS, etc.) used to generate algorithm or link to public repository - Note that CIPHER has established a code repository if you would prefer us to host your code	<table border="1"> <thead> <tr> <th>Component</th> <th>Code List</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ICD-9/10 Codes</td> <td></td> <td></td> </tr> <tr> <td>ICD-9/10 Procedure Codes</td> <td></td> <td></td> </tr> <tr> <td>CPT Procedure Codes</td> <td></td> <td></td> </tr> <tr> <td>Clinic Stop Codes</td> <td></td> <td></td> </tr> <tr> <td>Medications</td> <td></td> <td></td> </tr> <tr> <td>Lab Tests</td> <td></td> <td></td> </tr> <tr> <td>Text snippets</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> </tr> </tbody> </table>	Component	Code List	Description	ICD-9/10 Codes			ICD-9/10 Procedure Codes			CPT Procedure Codes			Clinic Stop Codes			Medications			Lab Tests			Text snippets			Other		
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Validation																													
Algorithm Validation	Have you performed algorithm validation using chart review or comparison to another standard?																												

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Description of Validation	Describe method of validation and process used in 1-2 sentences	
Algorithm Performance Measures	Choose all that apply. Write the value of the measure to the right.	☐ Sensitivity: ☐ Specificity: ☐ NPV (Negative Predictive Value): ☐ PPV (Positive Predictive Value): ☐ AUC (Area Under the ROC Curve): ☐ Other:
Source of Phenotype Data		
Data Sources Used	What databases were used to generate the phenotype? Choose all that apply.	☐ CDW (Corporate Data Warehouse) ☐ CMS (Medicare & Medicaid) ☐ NDI (National Death Index) ☐ DoD (Department of Defense) ☐ MVP (Million Veteran Program) ☐ COVID SDR (COVID Shared Data Resource) ☐ OMOP (Observational Medical Outcomes Partnership) ☐ Other:
Role of Phenotype in Analysis	Describe how the phenotype was used. Choose all that apply	☐ Primary Outcome/Exposure ☐ Secondary Outcome/ Exposure ☐ Inclusion/Exclusion Requirement ☐ Comorbidity/Covariate ☐ Other:
Additional Information		
Other information such as phenotype prevalence or useful links, etc.		
Attachments		
Attach any useful documents that you would like to share with library users. If you are including programming code, please ensure that it does not contain any PII/PHI (this includes removal of ANY patient identifier values from your programming code)		