Cohort Definitions in OHDSI Phenotype Library

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2022-07-19

Contents

1 Introduction:

PhenotypeLibrary is part of HADES

1 Introduction:

This document shows a summary of changes to the Cohort Definitions in OHDSI Phenotype Library (Library) over various versions.

```
camelCaseToTitleCase <- function(string) {
   errorMessages <- checkmate::makeAssertCollection()
   checkmate::assertCharacter(string, add = errorMessages)
   checkmate::reportAssertions(collection = errorMessages)

string <- gsub("([A-Z])", " \\1", string)
   string <- gsub("([a-z])([0-9])", "\\1 \\2", string)
   substr(string, 1, 1) <- toupper(substr(string, 1, 1))
   return(string)
}

report <- PhenotypeLibrary::getPhenotypeLog()
   colnames(report) <- camelCaseToTitleCase(colnames(report))
   opts <- options(knitr.kable.NA = "", format = "latex", escape = TRUE)
   knitr::kable(x = report)</pre>
```

		Get	Added	Deprecated Upd				lated		
Cohort Id Cohort Name		Re- sults	Ver- sion	AddedAddedVer- Date Notes sion	Depre Date	ca Dæ dpred Notes	ca Veet - sion	Updatedpdated Date Notes		
2	COVID-19 diagnosis or SARS-CoV-2 test (1pos) (3Ps, 7Era)	No	3.1.0	2022- 07- 06						
3	Cough (3Ps, 30Era)	Yes	3.1.0	2022- 07- 06						

		Get	Added	l Depre	cated		Updat	ted	
Coh	ort	Re-	Ver-	AddedAddedVer-	Depre	ca Dee preo	_		tedpdated
Id	Cohort Name	sults	sion	Date Notes sion	Date	Notes	sion	Date	Notes
4	Diarrhea (7Ps, 30Era)	Yes	3.1.0	2022-					
				07-					
				06					
5	Dyspnea (14Pe, 30Era)	Yes	3.1.0	2022-					
				07-					
				06					
6	Fever (3Pe, 30Era)	Yes	3.1.0	2022-					
				07-					
				06					
7	Headache, Migraine,	Yes	3.1.0	2022-					
	Neurologic pain (7Pe, 30Era)			07-					
				06					
8	Anosmia OR Hyposmia OR	Yes	3.1.0	2022-					
	Dysgeusia (7Ps, 180Era)			07-					
				06					
9	Sore throat (7Pe, 30Era)	Yes	3.1.0	2022-					
				07-					
				06					
10	Nausea or Vomiting (3Pe,	Yes	3.1.0	2022-					
	30Era $)$			07-					
	35.1.1	**	240	06					
11	Malaise or fatigue (3P,	Yes	3.1.0	2022-					
	$30\mathrm{Era})$			07-					
10	D1: 11	3.7	0.1.0	06					
12	Rhinitis or common cold	Yes	3.1.0	2022-					
	(7P, 30Era)			07-					
10	M. 1 . / 1	3.7	0.1.0	06					
13	Myalgia (not including	Yes	3.1.0	2022-					
	secondary causes) (3Pe,			07-					
1.4	30Era)	NI -	210	06					
14	Myalgia (3Pe, 30Era)	No	3.1.0	2022-					
				07- 06					
15	Erroquina to Vival Digongo	No	210	2022-					
15	Exposure to Viral Disease (7Pe, 30Era)	No	3.1.0	07-					
	(Tre, Soria)			06					
16	Exposure to SARS-Cov 2	No	3.1.0	2022-					
10	and coronavirus (7Pe, 30Era)	110	5.1.0	07-					
	and coronavirus (11 c, sollia)			06					
17	Exposure to SARS-Cov 2	No	3.1.0	2022-					
Τ,	(7Pe, 30Era)	110	0.1.0	07-					
	(11 0, 30214)			06					
18	Multiple Inflammatory	Yes	3.1.0	2022-					
	Syndrome (30Pe, 30Era)	100	0.1.0	07-					
	25 Harolile (301 e, 3021a)			06					
19	Pneumonia (14Pe, 30Era)	Yes	3.1.0	2022-					
	(), == =,			07-					
				06					
20	Bronchitis (14Pe, 90Era)	Yes	3.1.0	2022-					
-	, ,		-	07-					
				06					

		Get	Added	-			Upda	ted
Coh		Re-	Ver-	AddedAddedVer-	Depreca			Updatedpdated
Id	Cohort Name	sults	sion	Date Notes sion	Date	Notes	sion	Date Notes
21	Acute respiratory distress	Yes	3.1.0	2022-				
	syndrome (ARDS) or Acute			07-				
	Respiratory Failure (3Pe,			06				
	30Era)							
22	SARS-CoV-2 testing (1Ps,	No	3.1.0	2022-				
	0Era)			07-				
	,			06				
23	Hospitalization (1Pe, 30Era)	Yes	3.1.0	2022-				
			9.2.0	07-				
				06				
24	Emergency room visits (0Pe,	Yes	3.1.0	2022-				
24	0Era)	105	0.1.0	07-				
	olia)			06				
25	All cause mortality	Yes	3.1.0	2022-				
20	Till cause mortality	105	0.1.0	07-				
				06				
26	Asthma or Chronic	Yes	3.1.0	2022-				
20	obstructive pulmonary	105	5.1.0	07-				
	disease (COPD) (FP)			06				
27	Asthma without COPD (FP)	Yes	3.1.0	2022-				
21	Astımıa without COLD (F1)	res	3.1.0	07-				
				06				
28	Chronic obstructive	Yes	3.1.0	2022-				
20		ies	3.1.0					
	pulmonary disease (COPD)			07-				
20	without asthma (FP)	3 7	210	06				
29	Autoimmune condition (FP)	Yes	3.1.0	2022-				
				07-				
20	T-11(ED)	37	210	06				
30	Tuberculosis (FP)	Yes	3.1.0	2022-				
				07-				
0.1	3.6.1:	3.7	0.1.0	06				
31	Malignant neoplasm	Yes	3.1.0	2022-				
	excluding non-melanoma			07-				
00	skin cancer (FP)	3.7	0.1.0	06				
32	Obesity (FP)	Yes	3.1.0	2022-				
				07-				
0.0	D (TD)	* 7	2.4.0	06				
33	Dementia (FP)	Yes	3.1.0	2022-				
				07-				
	(77)			06				
34	Hypertension (FP)	Yes	3.1.0	2022-				
				07-				
	G1			06				
35	Chronic kidney disease (FP)	Yes	3.1.0	2022-				
				07-				
_			_	06				
36	Human immunodeficiency	Yes	3.1.0	2022-				
	virus infection (FP)			07-				
				06				

		Get	Added	-			Updat	ted
Coho		Re-	Ver-	AddedAddedVer-	1 1			Updatedpdate
Id	Cohort Name	sults	sion	Date Notes sion	Date	Notes	sion	Date Notes
37	Hepatitis C (FP)	Yes	3.1.0	2022-				
				07-				
				06				
38	Heart disease (FP)	Yes	3.1.0	2022-				
				07-				
				06				
39	End stage renal disease (FP)	Yes	3.1.0	2022-				
				07-				
4.0	D. 1 . 34 lb. (F)	• •	2.1.0	06				
40	Diabetes Mellitus Type 2	Yes	3.1.0	2022-				
	(FP)			07-				
41		37	210	06				
41	Chronic kidney disease broad	Yes	3.1.0	2022-				
	(FP)			07- 06				
49	End stage renal disease	Yes	3.1.0	2022-				
42	End stage renal disease broad (FP)	res	3.1.0	07-				
	bload (F1)			06				
43	Tuberculosis broad (FP)	Yes	3.1.0	2022-				
40	Tuberculosis broad (F1)	168	3.1.0	07-				
				06				
44	COVID-19 diagnosis (3Pe,	No	3.1.0	2022-				
	7Era)	110	0.1.0	07-				
	, 210)			06				
45	COVID-19 diagnosis with	No	3.1.0	2022-				
	SARS-Cov-2 test (-3d to 3d)		0.2.0	07-				
	(3Pe, 21Era)			06				
46	COVID-19 diagnosis and	No	3.1.0	2022-				
	SARS-CoV-2 test (1pos)			07-				
	within 3d (3Pe, 21Era)			06				
47	COVID-19 diagnosis and	No	3.1.0	2022-				
	SARS-CoV-2 test (1pos)			07-				
	(0neg) within 3d (3Pe,			06				
	21Era)							
48	COVID-19 diagnosis and	No	3.1.0	2022-				
	SARS-CoV-2 test (0pos upto			07-				
	3d, 1neg within 3d) (3Pe,			06				
	7Era)							
51	SARS-CoV-2 test positive	No	3.1.0	2022-				
	result (0Ps, 0Era)			07-				
- ~	CARC CITY	3.7	0.1.0	06				
52	SARS-CoV-2 test negative	No	3.1.0	2022-				
	result (0Ps, 0Era)			07-				
F0	CARC CIVAL	NT.	0.1.0	06				
53	SARS-CoV-2 test positive or	No	3.1.0	2022-				
	negative result - keep persons			07-				
F 4	with positive (0Ps, 0Era)	37	910	06				
54	Febrile seizure (1Ps, 0Era)	Yes	3.1.0	2022-				
				07-				
				06				

		Get	Added	Depre	cated		Upda	ted	
Coho	ort	Re-	Ver-	AddedAddedVer-	Depre	ca Dee preo	a Weet -	Upda	tedpdate
Id	Cohort Name	sults	sion	Date Notes sion	Date	Notes	sion	Date	Notes
55	COVID-19 diagnosis or	Yes	3.1.0	2022-					
	SARS-CoV-2 test (1pos)			07-					
	(3Ps, 21Era)			06					
56	SARS-CoV-2 test (1pos) or	No	3.1.0	2022-					
	COVID-19 diagnosis with (0			07-					
	neg -3d to 3d) (3Ps, 21Era)			06					
57	Bleeding (1Ps, 30Era)	Yes	3.1.0	2022-					
				07-					
				06					
58	SARS-CoV-2 test positive	No	3.1.0	2022-					
	result (3Ps, 21Era)			07-					
	,			06					
59	COVID-19 diagnosis with no	No	3.1.0	2022-					
	SARS-CoV-2 test (3Ps,			07-					
	21Era)			06					
60	SARS-CoV-2 test positive	No	3.1.0	2022-					
	and negative result (0Ps,			07-					
	0Era)			06					
61	Bradycardia or heart block	Yes	3.1.0	2022-					
	with inpatient admission			07-					
	(1Pe, 30Era)			06					
62	Generalized Seizure (1Ps,	Yes	3.1.0	2022-					
	0Era)			07-					
	,			06					
63	Transverse myelitis (or	Yes	3.1.0	2022-					
	symptoms with transverse			07-					
	myelitis) 365dWO (1Ps,			06					
	0Era)								
64	Flu-like symptoms (3P,	Yes	3.1.0	2022-					
	30Era)			07-					
	,			06					
65	Acute pancreatitis with	Yes	3.1.0	2022-					
	inpatient admission (3Pe,			07-					
	30Era)			06					
66	Acute renal failure with	Yes	3.1.0	2022-					
	inpatient admission (3Pe,			07-					
	30Era)			06					
67	Hepatic failure with	Yes	3.1.0	2022-					
	inpatient admission (3Pe,			07-					
	30Era)			06					
68	Heart failure with inpatient	Yes	3.1.0	2022-					
	admission (3Pe, 30Era)			07-					
	, ,			06					
69	Angioedema with inpatient	Yes	3.1.0	2022-					
	admission (7Ps, 30Era)			07-					
	, , ,			06					
70	Stroke (ischemic or	Yes	3.1.0	2022-					
	hemorrhagic) with inpatient			07-					

			Added	•			Upda			
Coh		Re-	Ver-	AddedAddedVer-	Depreca De preca t					
Id	Cohort Name	sults	sion	Date Notes sion	Date	Notes	sion	Date Notes		
71	Acute myocardial infarction	Yes	3.1.0	2022-						
	with inpatient admission			07-						
	(7Ps, 180Era)			06						
72	Influenza (narrow) (7Pe,	Yes	3.1.0	2022-						
	90Era)			07-						
72	Dragman er (270D, 0Era)	Voc	210	06 2022-						
73	Pregnancy (270P, 0Era)	Yes	3.1.0	2022- 07-						
				06						
74	Hemorrhagic stroke	Yes	3.1.0	2022-						
	(intracerebral bleeding) with	105	0.1.0	07-						
	inpatient admission (7Ps,			06						
	180Era)									
75	Ischemic stroke with	Yes	3.1.0	2022-						
	inpatient admission (7Ps,			07-						
	180Era)			06						
76	Transient ischemic attack	Yes	3.1.0	2022-						
	with inpatient admission			07-						
	(7Ps, 30Era)			06						
77	Gastrointestinal bleeding	Yes	3.1.0	2022-						
	with inpatient admission			07-						
	(7Ps, 30Era)	* *	2.1.0	06						
78	Cardiac arrhythmia with	Yes	3.1.0	2022-						
	inpatient admission (1Pe,			07-						
79	30Era) Dialysis with inpatient	Yes	3.1.0	06 2022-						
19	admission (1Ps, 7Era)	ies	3.1.0	07-						
	admission (11 s, 7E1a)			06						
80	Extracorporeal Membrane	Yes	3.1.0	2022-						
	Oxygenation with inpatient		0.2.0	07-						
	admission (1Ps, 30Era)			06						
81	Cesarean section (7Pe,	Yes	3.1.0	2022-						
	180Era)			07-						
				06						
82	Intensive services during	Yes	3.1.0	2022-						
	hospitalization (1Ps, 30Era)			07-						
				06						
84	SARS-CoV-2 test (1pos) or	Yes	3.1.0	2022-						
	COVID-19 diagnosis with			07-						
	(1pos or 0 neg 0d to 3d)			06						
85	(3Ps, 180Era) SARS-CoV-2 test (1pos) or	No	3.1.0	2022-						
00	COVID-19 diagnosis with	NO	3.1.0	07-						
	(1pos or 0 neg 0d to 3d)			06						
	(3Ps, 21Era)									
86	SARS-CoV-2 test positive or	No	3.1.0	2022-						
-	negative result (0Ps, 0Era)	-		07-						
				06						
87	SARS-CoV-2 test (1Ps,	No	3.1.0	2022-						
	0Era)			07-						
				06						

			Get Added Deprecated Re- Ver- AddedAddedVer- Depreca Da pre						
Coh		Re-	a Væt -	Updatedpdat					
Id	Cohort Name	sults	sion	Date Notes sion	Date Notes	sion	Date Notes		
95	Delirium (FP)	Yes	3.1.0	2022-					
				07-					
				06					
123	First event of Suicide	Yes	3.1.0	2022-					
	attempt, including injuries			07-					
	and poisonings with			06					
	undetermined, 365 days								
189	Right Upper Quadrant Pain	Yes	3.1.0	2022-					
	(Pe1, 3Era)			07-					
				06					
190	Abdominal Distension (Pe1,	Yes	3.1.0	2022-					
	$7\mathrm{Era})$			07-					
				06					
191	Fatigue, Malaise, Lethargy,	Yes	3.1.0	2022-					
	Anorexia (Pe1, 1Era)			07-					
100	N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3.7	0.1.0	06					
192	Nausea or Vomiting (Pe1,	Yes	3.1.0	2022-					
	$7\mathrm{Era})$			07-					
102	Journalise on Itahing (Dol	Voc	3.1.0	06 2022-					
193	Jaundice or Itching (Pe1, 7Era)	Yes	3.1.0	07-					
	(Ela)			06					
194	Encephalopathy or its	Yes	3.1.0	2022-					
134	presentations (Pe1, 7Era)	105	5.1.0	07-					
	presentations (1 c1, 12ra)			06					
195	Urothelial bladder cancer	Yes	3.1.0	2022-					
	(FP)		9.2.0	07-					
	()			06					
196	Rheumatoid arthritis (FP)	Yes	3.1.0	2022-					
	, ,			07-					
				06					
197	Coronary Artery Disease	Yes	3.1.0	2022-					
	from vessel disease to			07-					
	ischemic injury (FP)			06					
198	Crohns disease (FP)	Yes	3.1.0	2022-					
				07-					
				06					
199	Major Depressive Disorder	Yes	3.1.0	2022-					
	(FP)			07-					
				06					
200	Plaque psoriasis (FP)	Yes	3.1.0	2022-					
				07-					
201	TT (TT)	**	0.4.0	06					
201	Ulcerative colitis (FP)	Yes	3.1.0	2022-					
				07-					
				06					

• Cohort Id: Id used by the Library to identify the cohort. This is guaranteed to be backward compatible and so may be referenced in OHDSI HADES packages and studies using a combination of version number and cohort id.

- Cohort Name: The name of the Cohort Definition
- Get Results: Is this part of the [ohdsi-studies/PhenotypeLibraryDiagnostics] (https://github.com/ohdsi-studies/PhenotypeLibraryDiagnostics) study package. If yes, then the results maybe found on data.ohdsi.org/PhenotypeLibrary
- Added Version: The version of the PhenotypeLibrary R package when the cohort definition was added.
- Added Date: The date the cohort was added. This is usually from atlas-phenotype.ohdsi.org when the source is atlas-phenotype.ohdsi.org
- Added Notes: Any notes entered by the OHDSI Phenotype Development and Evaluation Work group (work group) for this Cohort Definition. Deprecated Version: If there is an entry in this field it means the Cohort Definition is deprecated. It will have the version of PhenotypeLibrary when the Cohort Definition was deprecated.
- **Deprecated Date:** The date the Cohort was deprecated. This is usually from atlasphenotype.ohdsi.org when the source is atlas-phenotype.ohdsi.org
- Deprecated Notes: Any notes from the Work group regarding deprecation. Updated Version: This field indicates the cohort definition has been modified. As a principle a Cohort Definition, once published to the OHDSI Phenotype Library is never updated or modified. This should be a rare occurrence, for situations like human accidental errors.
- Updated Date: The date the Cohort was updated.
- Updated Notes: Any notes from the Work group regarding update.