

# Cohort Definitions in OHDSI Phenotype Library

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### 1 Introduction:

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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)
```

Cohort		Get	Added	Deprecated		Updated	
Id	Cohort Name	Re-	Ver-	Added	Ver-	Deprecated	Deprecated
		sults	sion	Date	sion	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			

Cohort Id	Cohort Name	Get Re- sults	Added Ver- sion	Added Date	Deprecated		Updated		Updated Date	Updated Notes
					Added Notes	Ver- sion	Deprecat- ed Date	Deprecat- ed Notes	Ver- sion	
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, Neurologic pain (7Pe, 30Era)	Yes	3.1.0	2022-07-06						
8	Anosmia OR Hyposmia OR Dysgeusia (7Ps, 180Era)	Yes	3.1.0	2022-07-06						
9	Sore throat (7Pe, 30Era)	Yes	3.1.0	2022-07-06						
10	Nausea or Vomiting (3Pe, 30Era)	Yes	3.1.0	2022-07-06						
11	Malaise or fatigue (3P, 30Era)	Yes	3.1.0	2022-07-06						
12	Rhinitis or common cold (7P, 30Era)	Yes	3.1.0	2022-07-06						
13	Myalgia (not including secondary causes) (3Pe, 30Era)	Yes	3.1.0	2022-07-06						
14	Myalgia (3Pe, 30Era)	No	3.1.0	2022-07-06						
15	Exposure to Viral Disease (7Pe, 30Era)	No	3.1.0	2022-07-06						
16	Exposure to SARS-Cov 2 and coronavirus (7Pe, 30Era)	No	3.1.0	2022-07-06						
17	Exposure to SARS-Cov 2 (7Pe, 30Era)	No	3.1.0	2022-07-06						
18	Multiple Inflammatory Syndrome (30Pe, 30Era)	Yes	3.1.0	2022-07-06						
19	Pneumonia (14Pe, 30Era)	Yes	3.1.0	2022-07-06						
20	Bronchitis (14Pe, 90Era)	Yes	3.1.0	2022-07-06						

Cohort Id	Cohort Name	Get Re- sults	Added Ver- sion	Added Date	Deprecated		Updated		Updated Date	Updated Notes
					Added Notes	Ver- sion	Deprecat- Date	Deprecat- Notes	Ver- sion	
21	Acute respiratory distress syndrome (ARDS) or Acute Respiratory Failure (3Pe, 30Era)	Yes	3.1.0	2022-07-06						
22	SARS-CoV-2 testing (1Ps, 0Era)	No	3.1.0	2022-07-06						
23	Hospitalization (1Pe, 30Era)	Yes	3.1.0	2022-07-06						
24	Emergency room visits (0Pe, 0Era)	Yes	3.1.0	2022-07-06						
25	All cause mortality	Yes	3.1.0	2022-07-06						
26	Asthma or Chronic obstructive pulmonary disease (COPD) (FP)	Yes	3.1.0	2022-07-06						
27	Asthma without COPD (FP)	Yes	3.1.0	2022-07-06						
28	Chronic obstructive pulmonary disease (COPD) without asthma (FP)	Yes	3.1.0	2022-07-06						
29	Autoimmune condition (FP)	Yes	3.1.0	2022-07-06						
30	Tuberculosis (FP)	Yes	3.1.0	2022-07-06						
31	Malignant neoplasm excluding non-melanoma skin cancer (FP)	Yes	3.1.0	2022-07-06						
32	Obesity (FP)	Yes	3.1.0	2022-07-06						
33	Dementia (FP)	Yes	3.1.0	2022-07-06						
34	Hypertension (FP)	Yes	3.1.0	2022-07-06						
35	Chronic kidney disease (FP)	Yes	3.1.0	2022-07-06						
36	Human immunodeficiency virus infection (FP)	Yes	3.1.0	2022-07-06						

Cohort Id	Cohort Name	Get Re- sults	Added Ver- sion	Added Date	Deprecated		Updated		Updated Date	Updated Notes
					Added Notes	Ver- sion	Deprecat- Date	Deprecat- Notes	Ver- sion	
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	2022-07-06						
40	Diabetes Mellitus Type 2 (FP)	Yes	3.1.0	2022-07-06						
41	Chronic kidney disease broad (FP)	Yes	3.1.0	2022-07-06						
42	End stage renal disease broad (FP)	Yes	3.1.0	2022-07-06						
43	Tuberculosis broad (FP)	Yes	3.1.0	2022-07-06						
44	COVID-19 diagnosis (3Pe, 7Era)	No	3.1.0	2022-07-06						
45	COVID-19 diagnosis with SARS-Cov-2 test (-3d to 3d) (3Pe, 21Era)	No	3.1.0	2022-07-06						
46	COVID-19 diagnosis and SARS-CoV-2 test (1pos) within 3d (3Pe, 21Era)	No	3.1.0	2022-07-06						
47	COVID-19 diagnosis and SARS-CoV-2 test (1pos) (0neg) within 3d (3Pe, 21Era)	No	3.1.0	2022-07-06						
48	COVID-19 diagnosis and SARS-CoV-2 test (0pos upto 3d, 1neg within 3d) (3Pe, 7Era)	No	3.1.0	2022-07-06						
51	SARS-CoV-2 test positive result (0Ps, 0Era)	No	3.1.0	2022-07-06						
52	SARS-CoV-2 test negative result (0Ps, 0Era)	No	3.1.0	2022-07-06						
53	SARS-CoV-2 test positive or negative result - keep persons with positive (0Ps, 0Era)	No	3.1.0	2022-07-06						
54	Febrile seizure (1Ps, 0Era)	Yes	3.1.0	2022-07-06						

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

Cohort Id	Cohort Name	Get Re- sults	Added Ver- sion	Added Date	Deprecated		Updated		Updated Date	Updated Notes
					Added Notes	Ver- sion	Deprecat- Date	Deprecat- Notes	Ver- sion	
71	Acute myocardial infarction with inpatient admission (7Ps, 180Era)	Yes	3.1.0	2022-07-06						
72	Influenza (narrow) (7Pe, 90Era)	Yes	3.1.0	2022-07-06						
73	Pregnancy (270P, 0Era)	Yes	3.1.0	2022-07-06						
74	Hemorrhagic stroke (intracerebral bleeding) with inpatient admission (7Ps, 180Era)	Yes	3.1.0	2022-07-06						
75	Ischemic stroke with inpatient admission (7Ps, 180Era)	Yes	3.1.0	2022-07-06						
76	Transient ischemic attack with inpatient admission (7Ps, 30Era)	Yes	3.1.0	2022-07-06						
77	Gastrointestinal bleeding with inpatient admission (7Ps, 30Era)	Yes	3.1.0	2022-07-06						
78	Cardiac arrhythmia with inpatient admission (1Pe, 30Era)	Yes	3.1.0	2022-07-06						
79	Dialysis with inpatient admission (1Ps, 7Era)	Yes	3.1.0	2022-07-06						
80	Extracorporeal Membrane Oxygenation with inpatient admission (1Ps, 30Era)	Yes	3.1.0	2022-07-06						
81	Cesarean section (7Pe, 180Era)	Yes	3.1.0	2022-07-06						
82	Intensive services during hospitalization (1Ps, 30Era)	Yes	3.1.0	2022-07-06						
84	SARS-CoV-2 test (1pos) or COVID-19 diagnosis with (1pos or 0 neg 0d to 3d) (3Ps, 180Era)	Yes	3.1.0	2022-07-06						
85	SARS-CoV-2 test (1pos) or COVID-19 diagnosis with (1pos or 0 neg 0d to 3d) (3Ps, 21Era)	No	3.1.0	2022-07-06						
86	SARS-CoV-2 test positive or negative result (0Ps, 0Era)	No	3.1.0	2022-07-06						
87	SARS-CoV-2 test (1Ps, 0Era)	No	3.1.0	2022-07-06						

Cohort Id	Cohort Name	Get Re- sults	Added Ver- sion	Added Date	Deprecated		Updated		Updated Date	Updated Notes
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95	Delirium (FP)	Yes	3.1.0	2022-07-06						
123	First event of Suicide attempt, including injuries and poisonings with undetermined, 365 days	Yes	3.1.0	2022-07-06						
189	Right Upper Quadrant Pain (Pe1, 3Era)	Yes	3.1.0	2022-07-06						
190	Abdominal Distension (Pe1, 7Era)	Yes	3.1.0	2022-07-06						
191	Fatigue, Malaise, Lethargy, Anorexia (Pe1, 1Era)	Yes	3.1.0	2022-07-06						
192	Nausea or Vomiting (Pe1, 7Era)	Yes	3.1.0	2022-07-06						
193	Jaundice or Itching (Pe1, 7Era)	Yes	3.1.0	2022-07-06						
194	Encephalopathy or its presentations (Pe1, 7Era)	Yes	3.1.0	2022-07-06						
195	Urothelial bladder cancer (FP)	Yes	3.1.0	2022-07-06						
196	Rheumatoid arthritis (FP)	Yes	3.1.0	2022-07-06						
197	Coronary Artery Disease from vessel disease to ischemic injury (FP)	Yes	3.1.0	2022-07-06						
198	Crohns disease (FP)	Yes	3.1.0	2022-07-06						
199	Major Depressive Disorder (FP)	Yes	3.1.0	2022-07-06						
200	Plaque psoriasis (FP)	Yes	3.1.0	2022-07-06						
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](https://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](https://atlas-phenotype.ohdsi.org) when the source is [atlas-phenotype.ohdsi.org](https://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 [atlas-phenotype.ohdsi.org](https://atlas-phenotype.ohdsi.org) when the source is [atlas-phenotype.ohdsi.org](https://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.