

HADES Results Model

Contents

1	Latest release metadata	1
2	Module summary	1
3	Field-level details	2
3.1	Characterization (v1.0.0)	2
3.2	CohortDiagnostics (v1.0.0)	8
3.3	CohortGenerator (v1.0.0)	15
3.4	CohortIncidence (v1.0.0)	19
3.5	CohortMethod (v1.0.0)	22
3.6	DatabaseMetaData (v1.0.0)	29
3.7	EvidenceSynthesis (v1.0.0)	30
3.8	PatientLevelPrediction (v1.0.0)	34
3.9	SelfControlledCaseSeries (v1.0.0)	43
3.10	SelfControlledCohort (v1.0.0)	49
3.11	TreatmentPatterns (v1.0.0)	51

This vignette renders the latest HADES results model release.

1 Latest release metadata

Field	Value
Release version	v2026_Q1
Release date	2026-07-02
Manifest file	release_v2026_Q1.yaml

2 Module summary

Module	Version	# Tables	# Fields
Characterization	v1.0.0	16	191
CohortDiagnostics	v1.0.0	29	177
CohortGenerator	v1.0.0	16	79
CohortIncidence	v1.0.0	7	47
CohortMethod	v1.0.0	16	189
DatabaseMetaData	v1.0.0	1	13
EvidenceSynthesis	v1.0.0	8	121
PatientLevelPrediction	v1.0.0	31	202
SelfControlledCaseSeries	v1.0.0	17	137
SelfControlledCohort	v1.0.0	5	49
TreatmentPatterns	v1.0.0	11	79

3 Field-level details

3.1 Characterization (v1.0.0)

Prefix: c_

Tables: 16

3.1.1 c_time_to_event

Results data table c_time_to_event.

Name	Type	Description	Primary Key
database_id	varchar(100)	The database identifier	Yes
target_cohort_definition_id	bigint	The cohort definition id for the target cohort	Yes
outcome_cohort_definition_id	bigint	The cohort definition id for the outcome cohort	Yes
outcome_type	varchar(100)	Is the outcome a first occurrence or repeat	Yes
target_outcome_type	varchar(40)	When does the outcome occur relative to target	Yes
time_to_event	int	The time (in days) from target index to outcome start	Yes
num_events	int	Number of events that occur during the specified time to event	No
time_scale	varchar(20)	time scale for the number of events	Yes

3.1.2 c_rechallenge_fail_case_series

Results data table c_rechallenge_fail_case_series.

Name	Type	Description	Primary Key
database_id	varchar(100)	The database identifier	Yes
dechallenge_stop_interval	int	The time period that É	Yes
dechallenge_evaluation_window	int	The time period that É	Yes
target_cohort_definition_id	bigint	The cohort definition id for the target cohort	Yes
outcome_cohort_definition_id	bigint	The cohort definition id for the outcome cohort	Yes
person_key	int	The dense rank for the patient (an identifier that is not the same as the database)	Yes
subject_id	bigint	The person identifier for the failed case series (optional)	No
dechallenge_exposure_number	int	The number of times a dechallenge has occurred	Yes
dechallenge_exposure_start_index	int	The offset for the dechallenge start (number of days after index)	No
dechallenge_exposure_end_index	int	The offset for the dechallenge end (number of days after index)	No
dechallenge_outcome_number	int	The number of times an outcome has occurred during the dechallenge	Yes
dechallenge_outcome_start_index	int	The offset for the outcome start (number of days after index)	No
rechallenge_exposure_number	int	The number of times a rechallenge exposure has occurred	Yes
rechallenge_exposure_start_index	int	The offset for the rechallenge start (number of days after index)	No
rechallenge_exposure_end_index	int	The offset for the rechallenge end (number of days after index)	No
rechallenge_outcome_number	int	The number of times the outcome has occurred during the rechallenge	Yes

Name	Type	Description	Primary Key
rechallenge_outcome_start_date_offset	int	The offset for the outcome start (number of days after index)	No

3.1.3 c_dechallenge_rechallenge

Results data table c_dechallenge_rechallenge.

Name	Type	Description	Primary Key
database_id	varchar(100)	The database identifier	Yes
dechallenge_stop_interval	int	The dechallenge stop interval	Yes
dechallenge_evaluation_window	int	The dechallenge evaluation window	Yes
target_cohort_definition_id	bigint	The cohort definition id for the target cohort	Yes
outcome_cohort_definition_id	bigint	The cohort definition id for the outcome cohort	Yes
num_exposure_eras	int	The number of exposure eras	No
num_persons_exposed	int	The number of persons exposed	No
num_cases	int	The number of cases	No
dechallenge_attempt	int	The number of dechallenge attempts	No
dechallenge_fail	int	The dechallenge fail count	No
dechallenge_success	int	The dechallenge success count	No
rechallenge_attempt	int	The rechallenge attempt count	No
rechallenge_fail	int	The rechallenge fail count	No
rechallenge_success	int	The rechallenge success count	No
pct_dechallenge_attempt	float	The percentage of dechallenge attempts	No
pct_dechallenge_success	float	The percentage of dechallenge success	No
pct_dechallenge_fail	float	The percentage of dechallenge fails	No
pct_rechallenge_attempt	float	The percentage of rechallenge attempts	No
pct_rechallenge_success	float	The percentage of rechallenge success	No
pct_rechallenge_fail	float	The percentage of rechallenge fails	No

3.1.4 c_analysis_ref

Results data table c_analysis_ref.

Name	Type	Description	Primary Key
database_id	varchar(100)	The database identifier	Yes
setting_id	varchar(50)	The run identifier	Yes
analysis_id	int	The analysis identifier	Yes
analysis_name	varchar	The analysis name	No
domain_id	varchar	The domain id	No
start_day	int	The start day	No
end_day	int	The end day (documented from legacy CSV model).	No
is_binary	varchar(1)	Is this a binary analysis	No
missing_means_zero	varchar(1)	Missing means zero	No

3.1.5 c_covariate_ref

Results data table c_covariate_ref.

Name	Type	Description	Primary Key
database_id	varchar(100)	The database identifier	Yes
setting_id	varchar(50)	The run identifier	Yes
covariate_id	bigint	The covariate identifier	Yes
covariate_name	varchar	The covariate name	No
analysis_id	int	The analysis identifier	No
concept_id	bigint	The concept identifier	No
value_as_concept_id	int	The value as concept_id for features created from observation or measurement values	No
collisions	int	The number of collisions found for the covariate_id	No

3.1.6 c_target_covariates

Results data table c_target_covariates.

Name	Type	Description	Primary Key
database_id	varchar(100)	The database identifier	Yes
setting_id	varchar(50)	The run identifier	Yes
characterization_target_id	int	The characteriation target id	Yes
covariate_id	bigint	The covaraite id	Yes
sum_value	int	The sum value	No
average_value	float	The average value	No

3.1.7 c_target_covariates_continuous

Results data table c_target_covariates_continuous.

Name	Type	Description	Primary Key
database_id	varchar(100)	The database identifier	Yes
setting_id	varchar(50)	The run identifier	Yes
characterization_target_id	int	The characteriation target id	Yes
covariate_id	bigint	The covariate identifier	Yes
count_value	int	The count value	No
min_value	float	The min value	No
max_value	float	The max value	No
average_value	float	The average value	No
standard_deviation	float	The standard deviation	No
median_value	float	The median value	No
p_10_value	float	The 10th percentile	No
p_25_value	float	The 25th percentile	No
p_75_value	float	The 75th percentile	No
p_90_value	float	The 90th percentile	No

3.1.8 c_execution_settings

Results data table c_execution_settings.

Name	Type	Description	Primary Key
setting_id	varchar(50)	The run identifier	Yes
database_id	varchar(100)	The database identifier	Yes
database_hash	varchar(50)	Field database_hash in table c_execution_settings.	No
mode	varchar(255)	Whether Efficient/CohortIncidence/PatientLevelPrediction mode was used for risk factor non-cases	No
min_characterization_mean	float	The minimum fraction of patients who have a covariate for the covariate to be included in results	No
min_covariate_count	int	The minimum number of patients who have a covariate for the covariate to be included in results (useful if cohorts are small)	No
min_smd	float	The minimum standardized mean value a risk factor must have to be included in results	No

3.1.9 c_target_settings

Results data table c_target_settings.

Name	Type	Description	Primary Key
setting_id	varchar(50)	The run identifier	Yes
database_id	varchar(100)	The database identifier	Yes
characterization_target_id	bigint	The target cohort id after inclusion criteria used internally by characterization	Yes
target_id	bigint	The target cohort id	No
limit_to_first_in_n_days	int	Target exposures are only included if they occur $\geq$ first_in_n_days days after the last exposure	No
min_prior_observation	int	Target exposures with $<$ min_prior_obs days observation before exposure are excluded	No

3.1.10 c_case_settings

Results data table c_case_settings.

Name	Type	Description	Primary Key
setting_id	varchar(50)	The run identifier	Yes
database_id	varchar(100)	The database identifier	Yes
characterization_case_id	bigint	The case cohort id that is unique per characterization_target_id, outcome_id, outcome_washout_days and time-at-risk settings	Yes
characterization_target_id	bigint	The target cohort id after inclusion criteria used internally by characterization	No
outcome_id	bigint	The outcome cohort id	No
outcome_washout_days	int	Outcome exposures with $<$ outcome_washout_days days after the last outcome exposure are excluded	No
start_anchor	varchar(15)	The start anchor	No
end_anchor	varchar(15)	The end anchor	No
risk_window_start	int	The risk window start	No
risk_window_end	int	The risk window end	No
runtype	varchar(50)	Whether this case was used in risk-factor and/or case-series	No

3.1.11 c_case_series_settings

Results data table c_case_series_settings.

Name	Type	Description	Primary Key
setting_id	varchar(50)	The run identifier	Yes
case_pre_target_duration	int	The number of days before target index to create the before target period in case series	No
case_post_outcome_duration	int	The number of days after first outcome after target to create the after outcome period in case series	No

3.1.12 c_attrition

Results data table c_attrition.

Name	Type	Description	Primary Key
cohort_definition_id	bigint	The characterization cohort id	Yes
attr_reason	varchar(100)	Description of cohort or removal	Yes
n	bigint	The number of people remaining or removed	No
database_id	varchar(100)	The database identifier	Yes
setting_id	varchar(50)	The run identifier	Yes

3.1.13 c_risk_factor_covariates

Results data table c_risk_factor_covariates.

Name	Type	Description	Primary Key
database_id	varchar(100)	The database identifier	Yes
setting_id	varchar(50)	The run identifier	Yes
characterization_cohort_id	bigint	The case cohort id that is unique per characterization_target_id, outcome_id, outcome_washout_days and time-at-risk settings	Yes
covariate_id	bigint	The covariate id	Yes
non_case_sum_value	int	The sum value for the non-cases	No
non_case_average_value	float	The average value for the non-cases	No
case_sum_value	int	The sum value of the cases	No
case_average_value	float	The average value of the cases	No
standardized_mean_difference	float	The standardized mean difference for the covariate	No

3.1.14 c_risk_factor_covariates_continuous

Results data table c_risk_factor_covariates_continuous.

Name	Type	Description	Primary Key
database_id	varchar(100)	The database identifier	Yes
setting_id	varchar(50)	The run identifier	Yes
characterization_cohort_id	bigint	The case cohort id that is unique per characterization_target_id, outcome_id, outcome_washout_days and time-at-risk settings	Yes
covariate_id	bigint	The covariate identifier	Yes

Name	Type	Description	Primary Key
case_count_value	int	The count value	No
case_min_value	float	The min value	No
case_max_value	float	The max value	No
case_average_value	float	The average value	No
case_standard_deviation	float	The standard deviation	No
case_median_value	float	The median value	No
case_p_10_value	float	The 10th percentile	No
case_p_25_value	float	The 25th percentile	No
case_p_75_value	float	The 75th percentile	No
case_p_90_value	float	The 90th percentile	No
non_case_count_value	int	The count value	No
non_case_min_value	float	The min value	No
non_case_max_value	float	The max value	No
non_case_average_value	float	The average value	No
non_case_standard_deviation	float	The standard deviation	No
non_case_median_value	float	The median value	No
non_case_p_10_value	float	The 10th percentile	No
non_case_p_25_value	float	The 25th percentile	No
non_case_p_75_value	float	The 75th percentile	No
non_case_p_90_value	float	The 90th percentile	No
standardized_mean_difference	float	The standardized mean difference for the covariate	No

3.1.15 c_case_series_covariates

Results data table c_case_series_covariates.

Name	Type	Description	Primary Key
database_id	varchar(100)	The database identifier	Yes
setting_id	varchar(50)	The run identifier	Yes
characterization_target_id	bigint	The case cohort id that is unique per characterization_target_id, outcome_id, outcome_washout_days and time-at-risk settings	Yes
covariate_id	bigint	The covariate id	Yes
before_sum_value	int	The sum value for the non-cases	No
before_average_value	float	The average value for the non-cases	No
during_sum_value	int	The sum value of the cases	No
during_average_value	float	The average value of the cases	No
after_sum_value	int	The sum value of the cases	No
after_average_value	float	The average value of the cases	No

3.1.16 c_case_series_covariates_continuous

Results data table c_case_series_covariates_continuous.

Name	Type	Description	Primary Key
database_id	varchar(100)	The database identifier	Yes
setting_id	varchar(50)	The run identifier	Yes
characterization_target_id	bigint	The case cohort id that is unique per characterization_target_id, outcome_id, outcome_washout_days and time-at-risk settings	Yes

Name	Type	Description	Primary Key
covariate_id	bigint	The covariate identifier	Yes
before_count_value	int	The count value	No
before_min_value	float	The min value	No
before_max_value	float	The max value	No
before_average_value	float	The average value	No
before_standard_deviation	float	The standard deviation	No
before_median_value	float	The median value	No
before_p_10_value	float	The 10th percentile	No
before_p_25_value	float	The 25th percentile	No
before_p_75_value	float	The 75th percentile	No
before_p_90_value	float	The 90th percentile	No
during_min_value	float	The min value	No
during_max_value	float	The max value	No
during_average_value	float	The average value	No
during_standard_deviation	float	The standard deviation	No
during_median_value	float	The median value	No
during_p_10_value	float	The 10th percentile	No
during_p_25_value	float	The 25th percentile	No
during_p_75_value	float	The 75th percentile	No
during_p_90_value	float	The 90th percentile	No
after_count_value	int	The count value	No
after_min_value	float	The min value	No
after_max_value	float	The max value	No
after_average_value	float	The average value	No
after_standard_deviation	float	The standard deviation	No
after_median_value	float	The median value	No
after_p_10_value	float	The 10th percentile	No
after_p_25_value	float	The 25th percentile	No
after_p_75_value	float	The 75th percentile	No
after_p_90_value	float	The 90th percentile	No

3.2 CohortDiagnostics (v1.0.0)

Prefix: cd_

Tables: 29

3.2.1 cd_cohort

Results data table cd_cohort.

Name	Type	Description	Primary Key
cohort_id	bigint	cohort id (documented from legacy CSV model).	Yes
cohort_name	varchar	cohort name (documented from legacy CSV model).	No
metadata	varchar	meta data about the cohort	No
json	varchar	circe json description	No
sql	varchar	sql derived from circe description	No
subset_parent	bigint	cohort subset parent id (some as if not a subset)	No
subset_definition_id	bigint	subset cohort definition id	No
is_subset	int	is the cohort a subset or not?	No

3.2.2 cd_subset_definition

Results data table cd_subset_definition.

Name	Type	Description	Primary Key
subset_definition_id	bigint	subset cohort definition id	Yes
json	varchar	subset cohort definition json	No

3.2.3 cd_cohort_count

Results data table cd_cohort_count.

Name	Type	Description	Primary Key
cohort_id	bigint	cohort id (documented from legacy CSV model).	Yes
cohort_entries	float	number of entries in to cohort (an individual can be counted multiple times)	No
cohort_subjects	float	number of individuals in cohort	No
database_id	varchar	database identifier	Yes

3.2.4 cd_cohort_inclusion

Results data table cd_cohort_inclusion.

Name	Type	Description	Primary Key
database_id	varchar	database identifier	Yes
cohort_id	bigint	cohort id (documented from legacy CSV model).	Yes
rule_sequence	bigint	inclusion rule sequence used to determine rule	Yes
name	varchar	name of inclusion rule	No
description	varchar	description of inclusion rule	No

3.2.5 cd_cohort_inc_result

Results data table cd_cohort_inc_result.

Name	Type	Description	Primary Key
database_id	varchar	database identifier	Yes
cohort_id	bigint	cohort id (documented from legacy CSV model).	Yes
mode_id	bigint	mode of inclusion rule	Yes
inclusion_rule_mask	bigint	inclusion rule bit mask	Yes
person_count	float	person count following rule application	No

3.2.6 cd_cohort_inc_stats

Results data table cd_cohort_inc_stats.

Name	Type	Description	Primary Key
database_id	varchar	database identifier	Yes
cohort_id	bigint	cohort id (documented from legacy CSV model).	Yes
rule_sequence	bigint	inclusion rule sequence used to determine rule	Yes

Name	Type	Description	Primary Key
mode_id	bigint	mode of inclusion rule	Yes
person_count	float	person count following rule application	No
gain_count	float	number of people gained from rule	No
person_total	float	person total	No

3.2.7 cd_cohort_summary_stats

Results data table cd_cohort_summary_stats.

Name	Type	Description	Primary Key
database_id	varchar	database identifier	Yes
cohort_id	bigint	cohort id (documented from legacy CSV model).	Yes
mode_id	bigint	mode identifier	Yes
base_count	float	base count of cohort	No
final_count	float	final count after rules applied	No

3.2.8 cd_concept

Results data table cd_concept.

Name	Type	Description	Primary Key
concept_id	bigint	concept id (documented from legacy CSV model).	Yes
concept_name	varchar(255)	concept name	No
domain_id	varchar(20)	concept domain id	No
vocabulary_id	varchar(50)	vocabulary concept id	No
concept_class_id	varchar(20)	concept class identifier	No
standard_concept	varchar(1)	is a standard concept?	No
concept_code	varchar(255)	concept source code	No
valid_start_date	Date	period of validity start	No
valid_end_date	Date	period of validity end	No
invalid_reason	varchar	reason concept is no longer valid	No

3.2.9 cd_concept_ancestor

Results data table cd_concept_ancestor.

Name	Type	Description	Primary Key
ancestor_concept_id	bigint	ancestor concept id	Yes
descendant_concept_id	bigint	descendant concept id	Yes
min_levels_of_separation	int	minimum levels of separation in heirarchy	No
max_levels_of_separation	int	maximum level of separation in heirarchy	No

3.2.10 cd_concept_relationship

Results data table cd_concept_relationship.

Name	Type	Description	Primary Key
concept_id_1	bigint	concept identifier 1	Yes
concept_id_2	bigint	concept identifier 2	Yes
relationship_id	varchar(20)	relationship identifier	Yes
valid_start_date	Date	period of validity start	No
valid_end_date	Date	period of validity end	No
invalid_reason	varchar(1)	reason relationship is no longer valid	No

3.2.11 cd_concept_sets

Results data table cd_concept_sets.

Name	Type	Description	Primary Key
cohort_id	bigint	concept id (documented from legacy CSV model).	Yes
concept_set_id	int	concept set identifier	Yes
concept_set_sql	varchar	concept set sql	No
concept_set_name	varchar(255)	concept set name	No
concept_set_expression	varchar	concept set expression	No

3.2.12 cd_concept_synonym

Results data table cd_concept_synonym.

Name	Type	Description	Primary Key
concept_id	bigint	concept id (documented from legacy CSV model).	Yes
concept_synonym_name	varchar	concept synonym name	Yes
language_concept_id	bigint	language id (documented from legacy CSV model).	Yes

3.2.13 cd_database

Results data table cd_database.

Name	Type	Description	Primary Key
database_id	varchar	database identifier	Yes
database_name	varchar	cdm name (documented from legacy CSV model).	No
description	varchar	description of cdm	No
is_meta_analysis	varchar(1)	is meta analysis?	No
vocabulary_version	varchar	vocabulary version	No
vocabulary_version_cdm	varchar	vocabulary_version_cdm	No

3.2.14 cd_domain

Results data table cd_domain.

Name	Type	Description	Primary Key
domain_id	varchar(20)	domain identifier	Yes
domain_name	varchar(255)	concept domain name	No
domain_concept_id	bigint	domain concept identifier in concept table	No

3.2.15 cd_incidence_rate

Results data table cd_incidence_rate.

Name	Type	Description	Primary Key
cohort_count	float	total count in cohort	No
person_years	float	sum of total person years	No
gender	varchar	gender grouping	No
age_group	varchar	age grouping	No
calendar_year	varchar(4)	calendar year in cohort	No
incidence_rate	float	incidence rate computed	No
cohort_id	bigint	cohort identifier	No
database_id	varchar	database identifier	No

3.2.16 cd_included_source_concept

Results data table cd_included_source_concept.

Name	Type	Description	Primary Key
database_id	varchar	database identifier	Yes
cohort_id	bigint	cohort id (documented from legacy CSV model).	Yes
concept_set_id	int	concept set identifier	Yes
concept_id	bigint	concept identifier 1	Yes
source_concept_id	bigint	source concept id	Yes
concept_subjects	float	subjects with concept	No
concept_count	float	total count of concept	No

3.2.17 cd_index_event_breakdown

Results data table cd_index_event_breakdown.

Name	Type	Description	Primary Key
concept_id	bigint	concept identifier	Yes
concept_count	float	number of concept occurrences	No
subject_count	float	number of distinct people	No
cohort_id	bigint	cohort identifier	Yes
database_id	varchar	database identifier	Yes
domain_field	varchar	domain identifier	Yes
domain_table	varchar	domain table	Yes

3.2.18 cd_metadata

Results data table cd_metadata.

Name	Type	Description	Primary Key
database_id	varchar	database identifier	Yes
start_time	varchar	when run started	Yes
variable_field	varchar	variable name	Yes
value_field	varchar	variable value	No

3.2.19 cd_orphan_concept

Results data table cd_orphan_concept.

Name	Type	Description	Primary Key
cohort_id	bigint	cohort identifier	Yes
concept_set_id	int	concept set identifier	Yes
database_id	varchar	database identifier	Yes
concept_id	bigint	concept identifier	Yes
concept_count	float	number of concept occurrences	No
concept_subjects	float	number of distinct people	No

3.2.20 cd_relationship

Results data table cd_relationship.

Name	Type	Description	Primary Key
relationship_id	varchar(20)	relationship identifier	Yes
relationship_name	varchar(255)	relationship name	No
is_hierarchical	varchar(1)	is heirarchical relationship?	No
defines_ancestry	varchar(1)	defines ancestory	No
reverse_relationship_id	varchar(20)	reverse relationship concept id	Yes
relationship_concept_id	bigint	relationship concept identifier in concept table	Yes

3.2.21 cd_resolved_concepts

Results data table cd_resolved_concepts.

Name	Type	Description	Primary Key
cohort_id	bigint	cohort identifier	Yes
concept_set_id	int	concept set identifier	Yes
concept_id	bigint	concept identifier	Yes
database_id	varchar	database identifier	Yes

3.2.22 cd_temporal_analysis_ref

Results data table cd_temporal_analysis_ref.

Name	Type	Description	Primary Key
analysis_id	int	temporal analysis identifier	Yes
analysis_name	varchar	name of temporal analysis	No
domain_id	varchar(20)	domain identifier	Yes
is_binary	varchar(1)	is binary or continuous measure (proportion or average)	No
missing_means_zero	varchar(1)	missing means no count	No

3.2.23 cd_temporal_covariate_ref

Results data table cd_temporal_covariate_ref.

Name	Type	Description	Primary Key
covariate_id	bigint	covariate identifier	Yes
covariate_name	varchar	name of covariate	No
analysis_id	int	temporal analysis identifier	No
concept_id	bigint	concept identifier	No
value_as_concept_id	bigint	maps to a concept id for categorical variables (where present)	No

3.2.24 cd_temporal_covariate_value

Results data table cd_temporal_covariate_value.

Name	Type	Description	Primary Key
cohort_id	bigint	cohort identifier	Yes
time_id	int	time identifier	Yes
covariate_id	bigint	covariate identifier	Yes
sum_value	float	sum value (documented from legacy CSV model).	No
mean	float	mean (documented from legacy CSV model).	No
sd	float	standard deviation	No
database_id	varchar	database identifier	Yes

3.2.25 cd_temporal_covariate_value_dist

Results data table cd_temporal_covariate_value_dist.

Name	Type	Description	Primary Key
cohort_id	bigint	cohort identifier	Yes
time_id	int	time identifier	Yes
covariate_id	bigint	covariate identifier	Yes
count_value	float	count (documented from legacy CSV model).	No
min_value	float	minimum value	No
max_value	float	maximum value	No
mean	float	mean value (documented from legacy CSV model).	No
sd	float	standard deviation	No
median_value	float	median (value at 50%)	No
p_10_value	float	value at 10%	No
p_25_value	float	value at 25%	No
p_75_value	float	value at 75%	No
p_90_value	float	value at 90%	No
database_id	varchar	database identifier	Yes

3.2.26 cd_temporal_time_ref

Results data table cd_temporal_time_ref.

Name	Type	Description	Primary Key
time_id	int	time identifier	Yes
start_day	float	start day (documented from legacy CSV model).	No
end_day	float	end day (documented from legacy CSV model).	No

3.2.27 cd_time_series

Results data table cd_time_series.

Name	Type	Description	Primary Key
cohort_id	bigint	cohort identifier	No
database_id	varchar	database identifier	No
period_begin	Date	period start date	No
period_end	Date	period end date	No
series_type	varchar	time series type	No
calendar_interval	varchar	calendar interval	No
gender	varchar	gender grouping	No
age_group	varchar	age grouping	No
records	bigint	record count	No
subjects	bigint	distinct person count	No
person_days	bigint	total person time in days	No
person_days_in	bigint	total person time in days	No
records_start	bigint	records at start	No
subjects_start	bigint	subject count at start	No
subjects_start_in	bigint	subject out at start	No
records_end	bigint	records end (documented from legacy CSV model).	No
subjects_end	bigint	subjects end	No
subjects_end_in	bigint	subjects end in	No

3.2.28 cd_visit_context

Results data table cd_visit_context.

Name	Type	Description	Primary Key
cohort_id	bigint	cohort identifier	Yes
visit_concept_id	bigint	visit concept identifier	Yes
visit_context	varchar	name of visit context	Yes
subjects	float	number of subjects	No
database_id	varchar	database identifier	Yes

3.2.29 cd_vocabulary

Results data table cd_vocabulary.

Name	Type	Description	Primary Key
vocabulary_id	varchar(50)	vocabulary identifier	No
vocabulary_name	varchar(255)	vocabulary name	No
vocabulary_reference	varchar	vocabulary reference	No
vocabulary_version	varchar	vocabulary version	No
vocabulary_concept_id	bigint	vocabulary concept identifier	No

3.3 CohortGenerator (v1.0.0)

Prefix: cg_

Tables: 16

3.3.1 cg_cohort_definition

Results data table cg_cohort_definition.

Name	Type	Description	Primary Key
cohort_definition_id	bigint	The unique identifier for the cohort definition	Yes
cohort_name	varchar	The name of the cohort definition	No
description	varchar	A description of the cohort definition	No
json	text	The circe-be compliant JSON expression	No
sql_command	text	The OHDSI-SQL command used to construct the cohort	No
subset_parent	bigint	The parent cohort id if this cohort is a subset	No
is_subset	int	This value is 1 when the cohort is a subset	No
is_templated_cohort	int	This value is 1 when the cohort is based on an sql template	No
subset_definition_id	bigint	The cohort subset definition	No

3.3.2 cg_cohort_generation

Results data table cg_cohort_generation.

Name	Type	Description	Primary Key
cohort_definition_id	bigint	The unique identifier for the cohort definition	Yes
generation_status	varchar	The cohort generation status	No
start_time	Timestamp	The start time of the generation process	No
end_time	Timestamp	The end time of the generation process	No
database_id	varchar	The database identifier for this information	Yes
checksum	varchar	Checksum of the cohort	No

3.3.3 cg_cohort_inclusion

Results data table cg_cohort_inclusion.

Name	Type	Description	Primary Key
cohort_definition_id	bigint	The unique identifier for the cohort definition	Yes
rule_sequence	int	The rule sequence for the inclusion rule	Yes
name	varchar	The name of the inclusion rule	Yes
description	varchar	The description of the inclusion rule	No

3.3.4 cg_cohort_inc_result

Results data table cg_cohort_inc_result.

Name	Type	Description	Primary Key
database_id	varchar	The database identifier for this information	Yes
cohort_definition_id	bigint	The unique identifier for the cohort definition	Yes
inclusion_rule_mask	int	A bit-mask for the inclusion rule	Yes
person_count	bigint	The number of persons satisfying the inclusion rule	Yes
mode_id	int	The mode of the inclusion rule.	Yes

3.3.5 cg_cohort_inc_stats

Results data table cg_cohort_inc_stats.

Name	Type	Description	Primary Key
database_id	varchar	The database identifier for this information	Yes
cohort_definition_id	bigint	The unique identifier for the cohort definition	Yes
rule_sequence	int	The rule sequence	Yes
person_count	bigint	The person count	Yes
gain_count	bigint	The gain count	Yes
person_total	bigint	The person total	Yes
mode_id	int	The mode id (documented from legacy CSV model).	Yes

3.3.6 cg_cohort_summary_stats

Results data table cg_cohort_summary_stats.

Name	Type	Description	Primary Key
database_id	varchar	The database identifier for this information	Yes
cohort_definition_id	bigint	The unique identifier for the cohort definition	Yes
base_count	bigint	The base count	Yes
final_count	bigint	The final count	Yes
mode_id	int	The mode id (documented from legacy CSV model).	Yes

3.3.7 cg_cohort_censor_stats

Results data table cg_cohort_censor_stats.

Name	Type	Description	Primary Key
cohort_definition_id	bigint	The unique identifier for the cohort definition	Yes
lost_count	bigint	The number lost due to censoring	Yes
database_id	varchar	The database identifier for this information	Yes

3.3.8 cg_cohort_attrition

Results data table cg_cohort_attrition.

Name	Type	Description	Primary Key
database_id	varchar	The database identifier for this information	Yes
cohort_definition_id	bigint	The unique identifier for the cohort definition	Yes
mode_id	int	The mode id (for example 1=person-level and 0=event-level)	Yes
cohort_entry	int	Indicator that row represents cohort entry before applying inclusion rules	Yes
rule_sequence	int	The rule sequence for sequential attrition (-1 for cohort entry)	Yes
person_count	bigint	The number of persons after applying the sequential rules	No

3.3.9 cg_cohort_subset_attrition

Results data table cg_cohort_subset_attrition.

Name	Type	Description	Primary Key
database_id	varchar	The database identifier for this information	Yes
cohort_definition_id	bigint	The unique identifier for the cohort definition	Yes
subset_definition_id	bigint	The identifier for the cohort subset definition	Yes
subset_parent_id	bigint	The parent cohort id for this subset attrition	Yes
mode_id	int	The mode id (0=events	Yes
cohort_entry	int	Indicator that row represents cohort entry before applying subset operators	Yes
operator_sequence	int	The operator sequence for sequential subset attrition (-1 for cohort entry)	Yes
count_value	bigint	The count after applying the sequential operators	No

3.3.10 cg_cohort_count

Results data table cg_cohort_count.

Name	Type	Description	Primary Key
database_id	varchar	The database identifier for this information	Yes
cohort_id	bigint	The unique identifier for the cohort definition	Yes
cohort_entries	bigint	The number of cohort entries	Yes
cohort_subjects	bigint	The number of unique subjects	Yes

3.3.11 cg_cohort_count_neg_ctrl

Results data table cg_cohort_count_neg_ctrl.

Name	Type	Description	Primary Key
database_id	varchar	The database identifier for this information	Yes
cohort_id	bigint	The unique identifier for the cohort definition	Yes
cohort_entries	bigint	The number of cohort entries	Yes
cohort_subjects	bigint	The number of unique subjects	Yes

3.3.12 cg_cohort_subset_definition

Results data table cg_cohort_subset_definition.

Name	Type	Description	Primary Key
subset_definition_id	bigint	The identifier for the cohort subset definition	Yes
json	text	The JSON representation of the subset definition	No

3.3.13 cg_cohort_subset_operator

Results data table cg_cohort_subset_operator.

Name	Type	Description	Primary Key
subset_definition_id	bigint	The identifier for the cohort subset definition	Yes
operator_name	varchar	The name of the cohort subset operator	Yes
operator_sequence	int	The operator sequence within the subset definition	Yes
operator_type	varchar	The subset operator type (subsetType)	Yes
definition_json	text	The JSON representation of the subset operator	No

3.3.14 cg_cohort_definition_neg_ctrl

Results data table cg_cohort_definition_neg_ctrl.

Name	Type	Description	Primary Key
cohort_id	bigint	The cohort identifier for the negative control outcome	Yes
outcome_concept_id	bigint	The concept ID for the negative control outcome	No
cohort_name	varchar	The concept name for the negative control outcome	No
occurrence_type	varchar	The occurrenceType will detect either: the first time an outcomeConceptId occurs or all times the outcome_concept_id occurs for a person. Values accepted: 'all' or 'first'	No
detect_on_ancestor	int	When set to 1 detect_on_descendants used the vocabulary to find negative control outcomes using the outcome_concept_id and all descendants via the concept_ancestor table. When set to 0 only the exact outcome_concept_id was used to detect the outcome	No

3.3.15 cg_cohort_template_definition

Results data table cg_cohort_template_definition.

Name	Type	Description	Primary Key
template_definition_id	varchar	cohort template definition identifier	Yes
json	text	The template JSON expression including references and sql. Only needed to reconsturct a template	No
template_sql	text	The template sql expression	No
template_name	text	The template name	No

3.3.16 cg_cohort_template_link

Results data table cg_cohort_template_link.

Name	Type	Description	Primary Key
template_definition_id	varchar	cohort template definition identifier	Yes
cohort_definition_id	bigint	The unique identifier for the cohort definition	Yes

3.4 CohortIncidence (v1.0.0)

Prefix: ci_

Tables: 7

3.4.1 ci_incidence_summary

Results data table ci_incidence_summary.

Name	Type	Description	Primary Key
ref_id	int	The reference identifier for the analysis	No
database_id	varchar(255)	The database identifier	No
source_name	varchar(255)	The source name for the database	No
target_cohort_definition_id	bigint	Target cohort identifier	No
tar_id	bigint	Time-at-risk identifier	No
subgroup_id	bigint	Subgroup identifier	No
outcome_id	bigint	Outcome cohort identifier	No
age_group_id	int	Age group identifier	No
gender_id	int	Gender identifier	No
gender_name	varchar(255)	Gender name (documented from legacy CSV model).	No
start_year	int	Start year (documented from legacy CSV model).	No
persons_at_risk_pe	bigint	Persons at risk pre-exclude (counts before excluding time at risk)	No
persons_at_risk	bigint	Persons at risk	No
person_days_pe	bigint	Person days pre-exclude (counts before excluding time at risk)	No
person_days	bigint	Person days (documented from legacy CSV model).	No
person_outcomes_pe	bigint	Person outcomes pre-exclude (counts before excluding time at risk)	No
person_outcomes	bigint	Person outcomes	No
outcomes_pe	bigint	Outcomes pre-exclude (counts before excluding time at risk)	No
outcomes	bigint	Outcomes (documented from legacy CSV model).	No
incidence_proportion_per100pt	float	Incidence proportion (person_outcomes / persons_at_risk) per 100 people	No
incidence_rate_per100py	float	Incidence rate (outcomes / time_at_risk) per 100 person years	No

3.4.2 ci_target_def

Results data table ci_target_def.

Name	Type	Description	Primary Key
ref_id	int	The reference identifier for the analysis	Yes
target_cohort_definition_id	bigint	Target cohort identifier	Yes
target_name	varchar(255)	Target cohort name	No

3.4.3 ci_outcome_def

Results data table ci_outcome_def.

Name	Type	Description	Primary Key
ref_id	int	The reference identifier for the analysis	Yes
outcome_id	bigint	Outcome identifier	Yes

Name	Type	Description	Primary Key
outcome_cohort_definition_id	bigint	Outcome cohort identifier	No
outcome_name	varchar(255)	Outcome name	No
clean_window	bigint	Clean window	No
excluded_cohort_definition_id	bigint	Excluded cohort identifier	No

3.4.4 ci_tar_def

Results data table ci_tar_def.

Name	Type	Description	Primary Key
ref_id	int	The reference identifier for the analysis	Yes
tar_id	bigint	Time-at-risk identifier	Yes
tar_start_with	varchar(10)	Time-at-risk start anchor	No
tar_start_offset	bigint	Time-at-risk start offset in days	No
tar_end_with	varchar(10)	Time-at-risk end anchor	No
tar_end_offset	bigint	Time-at-risk end offset in days	No

3.4.5 ci_age_group_def

Results data table ci_age_group_def.

Name	Type	Description	Primary Key
ref_id	int	The reference identifier for the analysis	Yes
age_group_id	int	Age group identifier	Yes
age_group_name	varchar(255)	Age group name	No
min_age	int	Minimum age (documented from legacy CSV model).	No
max_age	int	Maximum age (documented from legacy CSV model).	No

3.4.6 ci_subgroup_def

Results data table ci_subgroup_def.

Name	Type	Description	Primary Key
ref_id	int	The reference identifier for the analysis	Yes
subgroup_id	bigint	The subgroup identifier	Yes
subgroup_name	varchar(255)	The subgroup name	No

3.4.7 ci_target_outcome_ref

Results data table ci_target_outcome_ref.

Name	Type	Description	Primary Key
ref_id	int	The reference identifier for the analysis	Yes
target_cohort_id	bigint	The target cohort identifier	Yes
outcome_cohort_id	bigint	The outcome cohort identifier	Yes

3.5 CohortMethod (v1.0.0)

Prefix: cm_

Tables: 16

3.5.1 cm_attrition

Results data table cm_attrition.

Name	Type	Description	Primary Key
sequence_number	int	The place in the sequence of steps defining the final analysis cohort. 1 indicates the original exposed population without any inclusion criteria.	Yes
description	varchar	A description of the last restriction, e.g. "Removing persons with the outcome prior".	No
subjects	int	The number of subjects in the cohort.	No
exposure_id	bigint	The identifier of the exposure cohort to which the attrition applies. Can be either the target or comparator cohort ID.	Yes
target_comparator_id	bigint	A foreign key referencing the target_comparator table.	Yes
analysis_id	int	The identifier for the outcome cohort.	Yes
outcome_id	bigint	Foreign key referencing the cm_analysis table.	Yes
database_id	varchar	Foreign key referencing the database.	Yes

3.5.2 cm_follow_up_dist

Results data table cm_follow_up_dist.

Name	Type	Description	Primary Key
target_comparator_id	bigint	A foreign key referencing the target_comparator table.	Yes
outcome_id	bigint	The identifier for the outcome cohort.	Yes
analysis_id	int	Foreign key referencing the cm_analysis table.	Yes
target_min_days	float	The minimum number of observation days for a person.	No
target_p_10_days	float	The 10 th percentile of number of observation days for a person in the target group.	No
target_p_25_days	float	The 25 th percentile of number of observation days for a person in the target group.	No
target_median_days	float	The median number of observation days for a person in the target group.	No
target_p_75_days	float	The 75 th percentile of number of observation days for a person in the target group.	No
target_p_90_days	float	The 90 th percentile of number of observation days for a person in the target group.	No
target_max_days	float	The maximum number of observation days for a person in the target group.	No
comparator_min_days	float	The minimum number of observation days for a person in the comparator group.	No
comparator_p_10_days	float	The 10 th percentile of number of observation days for a person in the comparator group.	No
comparator_p_25_days	float	The 25 th percentile of number of observation days for a person in the comparator group.	No
comparator_median_days	float	The median number of observation days for a person in the comparator group.	No

Name	Type	Description	Primary Key
comparator_p_75_days	float	The 75 th percentile of number of observation days for a person in the comparator group.	No
comparator_p_90_days	float	The 90 th percentile of number of observation days for a person in the comparator group.	No
comparator_max_days	float	The maximum number of observation days for a person in the comparator group.	No
target_min_date	Date	The first start date of the target cohort observed in the data (after applying all restrictions).	No
target_max_date	Date	The last start date of the target cohort observed in the data (after applying all restrictions).	No
comparator_min_date	Date	The first start date of the comparator cohort observed in the data (after applying all restrictions).	No
comparator_max_date	Date	The last start date of the comparator cohort observed in the data (after applying all restrictions).	No
database_id	varchar	Foreign key referencing the database.	Yes

3.5.3 cm_analysis

Results data table cm_analysis.

Name	Type	Description	Primary Key
analysis_id	int	A unique identifier for an analysis.	Yes
description	varchar	A description for an analysis, e.g. 'On-treatment'.	No
definition	varchar	A CohortMethod JSON object specifying the analysis.	No

3.5.4 cm_result

Results data table cm_result.

Name	Type	Description	Primary Key
analysis_id	int	Foreign key referencing the cm_analysis table.	Yes
target_comparator_id	bigint	A foreign key referencing the target_comparator table.	Yes
outcome_id	bigint	The identifier for the outcome cohort.	Yes
rr	float	The estimated relative risk (e.g. the hazard ratio).	No
ci_95_lb	float	The lower bound of the 95% confidence interval of the relative risk.	No
ci_95_ub	float	The upper bound of the 95% confidence interval of the relative risk.	No
p	float	The two-sided p-value considering the null hypothesis of no effect.	No
one_sided_p	float	The one-sided p-value considering the null hypothesis of $RR \leq 1$.	No
target_subjects	int	The number of subject in the target cohort.	No
comparator_subjects	int	The number of subject in the comparator cohort.	No
target_days	int	The number of days observed in the target cohort.	No
comparator_days	int	The number of days observed in the comparator cohort.	No
target_outcomes	int	The number of outcomes observed in the target cohort.	No
comparator_outcomes	int	The number of outcomes observed in the comparator cohort.	No
log_rr	float	The log of the relative risk.	No

Name	Type	Description	Primary Key
se_log_rr	float	The standard error of the log of the relative risk.	No
llr	float	The log of the likelihood ratio (of the MLE vs the null hypothesis of no effect).	No
calibrated_rr	float	The calibrated relative risk.	No
calibrated_ci_95_lb	float	The lower bound of the calibrated 95% confidence interval of the relative risk.	No
calibrated_ci_95_ub	float	The upper bound of the calibrated 95% confidence interval of the relative risk.	No
calibrated_p	float	The calibrated two-sided p-value.	No
calibrated_one_sided	float	The calibrated one-sided p-value considering the null hypothesis of $RR \leq 1$.	No
calibrated_log_rr	float	The log of the calibrated relative risk.	No
calibrated_se_log_rr	float	The standard error of the log of the calibrated relative risk.	No
target_estimator	varchar	The target estimator, for example “att”, “ate”, “atu” or “ato”.	No
database_id	varchar	Foreign key referencing the database.	Yes

3.5.5 cm_interaction_result

Results data table cm_interaction_result.

Name	Type	Description	Primary Key
analysis_id	int	Foreign key referencing the cm_analysis table.	Yes
target_comparator_id	bigint	A foreign key referencing the target_comparator table.	Yes
outcome_id	bigint	The identifier for the outcome cohort.	Yes
interaction_covariate_id	bigint	Foreign key referencing the cm_covariate table.	Yes
rr	float	The estimated relative risk (e.g. the ratio of hazard ratios).	No
ci_95_lb	float	The lower bound of the 95% confidence interval of the relative risk.	No
ci_95_ub	float	The upper bound of the 95% confidence interval of the relative risk.	No
p	float	The two-sided p-value considering the null hypothesis of no interaction effect.	No
target_subjects	int	The number of subject in the target cohort.	No
comparator_subjects	int	The number of subject in the comparator cohort.	No
target_days	int	The number of days observed in the target cohort.	No
comparator_days	int	The number of days observed in the comparator cohort.	No
target_outcomes	int	The number of outcomes observed in the target cohort.	No
comparator_outcomes	int	The number of outcomes observed in the comparator cohort.	No
log_rr	float	The log of the relative risk.	No
se_log_rr	float	The standard error of the log of the relative risk.	No
calibrated_rr	float	The calibrated relative risk.	No
calibrated_ci_95_lb	float	The lower bound of the calibrated 95% confidence interval of the relative risk.	No
calibrated_ci_95_ub	float	The upper bound of the calibrated 95% confidence interval of the relative risk.	No
calibrated_p	float	The calibrated two-sided p-value.	No
calibrated_log_rr	float	The log of the calibrated relative risk.	No
calibrated_se_log_rr	float	The standard error of the log of the calibrated relative risk.	No
target_estimator	varchar	The target estimator, for example “att”, “ate”, “atu” or “ato”.	No

Name	Type	Description	Primary Key
database_id	varchar	Foreign key referencing the database.	Yes

3.5.6 cm_covariate

Results data table cm_covariate.

Name	Type	Description	Primary Key
covariate_id	bigint	A unique identified for a covariate.	Yes
covariate_name	varchar	A name for a covariate, e.g. 'Age group: 20-25 years'.	No
analysis_id	int	Foreign key referencing the cm_analysis table.	Yes
covariate_analysis_id	int	Foreign key referencing the cm_covariate_analysis table.	No
database_id	varchar	Foreign key referencing the database.	Yes

3.5.7 cm_covariate_analysis

Results data table cm_covariate_analysis.

Name	Type	Description	Primary Key
covariate_analysis_id	int	A unique identifier for a covariate analysis (only guaranteed to be unique for a given analysis_id and database_id).	Yes
covariate_analysis_name	varchar	A name for a covariate analysis, e.g. 'Demographics: age group'.	No
analysis_id	int	A foreign key referencing the cm_analysis table.	Yes

3.5.8 cm_covariate_balance

Results data table cm_covariate_balance.

Name	Type	Description	Primary Key
database_id	varchar	Foreign key referencing the database.	Yes
target_comparator_id	bigint	A foreign key referencing the target_comparator table.	Yes
outcome_id	bigint	The identifier for the outcome cohort.	Yes
analysis_id	int	A foreign key referencing the cm_analysis table.	Yes
covariate_id	bigint	A foreign key referencing the cm_covariate table.	Yes
target_mean_before	float	The mean value of the covariate in the target cohort before propensity score adjustment.	No
comparator_mean_before	float	The mean value of the covariate in the comparator cohort before propensity score adjustment.	No
mean_before	float	The mean value of the covariate in the union of the target and comparator cohort before propensity score adjustment.	No
std_diff_before	float	The standardized difference of the means between the target and comparator cohort before propensity score adjustment.	No
std_diff_var_before	float	The variance of the standardized difference of the means between the target and comparator cohort before propensity score adjustment.	No
balanced_before	int	Is the covariate balanced before propensity score adjustment? (1 = yes, 0 = no)	No

Name	Type	Description	Primary Key
mean_after	float	The mean value of the covariate in the union of the target and comparator cohort after propensity score adjustment.	No
target_mean_after	float	The mean value of the covariate in the target cohort after propensity score adjustment.	No
comparator_mean_after	float	The mean value of the covariate in the comparator cohort after propensity score adjustment.	No
std_diff_after	float	The standardized difference of the means between the target and comparator cohort after propensity score adjustment.	No
std_diff_var_after	float	The variance of the standardized difference of the means between the target and comparator cohort after propensity score adjustment.	No
balanced_after	int	Is the covariate balanced after propensity score adjustment? (1 = yes, 0 = no)	No
target_std_diff	float	The standardized difference of the means before and after propensity score adjustment in the target cohort.	No
comparator_std_diff	float	The standardized difference of the means before and after propensity score adjustment in the comparator cohort.	No
target_comparator_std_diff	float	The standardized difference of the means before and after propensity score adjustment in the union of the target and comparator cohorts.	No

3.5.9 cm_diagnostics_summary

Results data table cm_diagnostics_summary.

Name	Type	Description	Primary Key
analysis_id	int	A foreign key referencing the cm_analysis table.	Yes
target_comparator_id	int	A foreign key referencing the target_comparator table.	Yes
outcome_id	bigint	The identifier for the outcome cohort.	Yes
database_id	varchar	Foreign key referencing the database.	Yes
max_sdm	float	The maximum absolute standardized difference of mean.	No
sdm_family_wise_p	float	The minimum family-wise P-value for the test whether the absolute SDM exceeds the diagnostic threshold.	No
shared_max_sdm	float	The maximum absolute standardized difference of mean of the shared balance (shared across outcomes).	No
shared_sdm_family_wise_p	float	The minimum family-wise P-value for the test whether the absolute SDM exceeds the diagnostic threshold for the shared balance (across all outcomes).	No
equipoise	float	The fraction of the study population with a preference score between 0.3 and 0.7.	No
mdrr	float	The minimum detectable relative risk.	No
generalizability_max_sdm	float	The maximum absolute standardized difference of mean comparing before to after adjustment.	No
ease	float	The expected absolute systematic error.	No
balance_diagnostic	varchar(20)	pass / warning / fail classification of the balance diagnostic (max_sdm).	No
shared_balance_diagnostic	varchar(20)	pass / warning / fail classification of the shared balance diagnostic (shared_max_sdm).	No
equipoise_diagnostic	varchar(20)	pass / warning / fail classification of the equipoise diagnostic.	No
mdrr_diagnostic	varchar(20)	pass / warning / fail classification of the MDRR diagnostic.	No
generalizability_diagnostic	varchar(20)	pass / warning / fail classification of the generalizability diagnostic.	No
ease_diagnostic	varchar(20)	pass / warning / fail classification of the EASE diagnostic.	No

Name	Type	Description	Primary Key
unblind	int	Is unblinding the result recommended? (1 = yes, 0 = no)	No
unblind_for_evidence_synthesis	int	Is unblinding the result for inclusion in evidence synthesis recommended? This ignores the MDRR diagnostic. (1 = yes, 0 = no)	No

3.5.10 cm_target_comparator_outcome

Results data table cm_target_comparator_outcome.

Name	Type	Description	Primary Key
outcome_id	bigint	The identifier for the outcome cohort.	Yes
outcome_of_interest	int	Is the outcome of interest (1 = yes, 0 = no)	No
true_effect_size	float	The true effect size for the target-comparator-outcome. For negative controls this equals 1.	No
target_comparator_id	bigint	A foreign key referencing the target_comparator table.	Yes

3.5.11 cm_kaplan_meier_dist

Results data table cm_kaplan_meier_dist.

Name	Type	Description	Primary Key
time_day	int	Time in days since cohort start.	Yes
target_survival	float	The estimated survival fraction in the target cohort.	No
target_survival_lb	float	The lower bound of the 95% confidence interval of the survival fraction in the target cohort.	No
target_survival_ub	float	The upper bound of the 95% confidence interval of the survival fraction in the target cohort.	No
comparator_survival	float	The estimated survival fraction in the comparator cohort.	No
comparator_survival_lb	float	The lower bound of the 95% confidence interval of the survival fraction in the comparator cohort.	No
comparator_survival_ub	float	The upper bound of the 95% confidence interval of the survival fraction in the comparator cohort.	No
target_at_risk	int	The number of subjects still at risk in the target cohort.	No
comparator_at_risk	int	The number of subjects still at risk in the comparator cohort.	No
target_comparator_id	bigint	A foreign key referencing the target_comparator table.	Yes
outcome_id	bigint	The identifier for the outcome cohort.	Yes
analysis_id	int	A foreign key referencing the cm_analysis table.	Yes
database_id	varchar	Foreign key referencing the database.	Yes

3.5.12 cm_likelihood_profile

Results data table cm_likelihood_profile.

Name	Type	Description	Primary Key
log_rr	float	The log of the relative risk where the likelihood is sampled.	Yes
log_likelihood	float	The normalized log likelihood.	No

Name	Type	Description	Primary Key
gradient	float	The gradient of the log likelihood.	No
target_comparator_id	bigint	A foreign key referencing the target_comparator table.	Yes
outcome_id	bigint	The identifier for the outcome cohort.	Yes
analysis_id	int	A foreign key referencing the cm_analysis table.	Yes
database_id	varchar	Foreign key referencing the database.	Yes

3.5.13 cm_preference_score_dist

Results data table cm_preference_score_dist.

Name	Type	Description	Primary Key
analysis_id	int	A foreign key referencing the cm_analysis table.	Yes
target_comparator_id	bigint	A foreign key referencing the target_comparator table.	Yes
database_id	varchar	Foreign key referencing the database.	Yes
preference_score	float	A preference score value.	Yes
target_density	float	The distribution density for the target cohort at the given preference score.	No
comparator_density	float	The distribution density for the comparator cohort at the given preference score.	No

3.5.14 cm_propensity_model

Results data table cm_propensity_model.

Name	Type	Description	Primary Key
target_comparator_id	bigint	A foreign key referencing the target_comparator table.	Yes
analysis_id	int	A foreign key referencing the cm_analysis table.	Yes
database_id	varchar	Foreign key referencing the database.	Yes
covariate_id	bigint	Foreign key referencing the cm_covariate table. 0 is reserved for the intercept.	Yes
coefficient	float	The coefficient (beta) for the covariate in the propensity model.	No

3.5.15 cm_shared_covariate_balance

Results data table cm_shared_covariate_balance.

Name	Type	Description	Primary Key
database_id	varchar	Foreign key referencing the database.	Yes
target_comparator_id	bigint	A foreign key referencing the target_comparator table.	Yes
analysis_id	int	A foreign key referencing the cm_analysis table.	Yes
covariate_id	bigint	A foreign key referencing the cm_covariate table.	Yes
mean_before	float	The mean value of the covariate in the union of the target and comparator cohort before propensity score adjustment.	No
target_mean_before	float	The mean value of the covariate in the target cohort before propensity score adjustment.	No

Name	Type	Description	Primary Key
comparator_mean_before	float	The mean value of the covariate in the comparator cohort before propensity score adjustment.	No
std_diff_before	float	The standardized difference of the means between the target and comparator cohort before propensity score adjustment.	No
std_diff_var_before	float	The variance of the standardized difference of the means between the target and comparator cohort before propensity score adjustment.	No
balanced_before	int	Is the covariate balanced before propensity score adjustment? (1 = yes, 0 = no)	No
mean_after	float	The mean value of the covariate in the union of the target and comparator cohort after propensity score adjustment.	No
target_mean_after	float	The mean value of the covariate in the target cohort after propensity score adjustment.	No
comparator_mean_after	float	The mean value of the covariate in the comparator cohort after propensity score adjustment.	No
std_diff_after	float	The standardized difference of the means between the target and comparator cohort after propensity score adjustment.	No
std_diff_var_after	float	The variance of the standardized difference of the means between the target and comparator cohort after propensity score adjustment.	No
balanced_after	int	Is the covariate balanced after propensity score adjustment? (1 = yes, 0 = no)	No
target_std_diff	float	The standardized difference of the means before and after propensity score adjustment in the target cohort.	No
comparator_std_diff	float	The standardized difference of the means before and after propensity score adjustment in the comparator cohort.	No
target_comparator_std_diff	float	The standardized difference of the means before and after propensity score adjustment in the union of the target and comparator cohorts.	No

3.5.16 cm_target_comparator

Results data table cm_target_comparator.

Name	Type	Description	Primary Key
target_comparator_id	bigint	Primary key for identifying a target-comparator-(nesting cohort) combination	Yes
target_id	bigint	The identifier for the target cohort.	No
comparator_id	bigint	The identifier for the comparator cohort.	No
nesting_cohort_id	bigint	The identifier for the nesting cohort. Null if not nested.	No

3.6 DatabaseMetaData (v1.0.0)

Prefix: database_meta_data__

Tables: 1

3.6.1 database_meta_data

Results data table database_meta_data.

Name	Type	Description	Primary Key
cdm_source_name	varchar	The name of the CDM instance.	No
cdm_source_abbreviation	varchar	The abbreviation of the CDM instance.	No
cdm_holder	varchar	The holder of the CDM instance.	No
source_description	varchar	The description of the CDM instance.	No
source_documentation_reference	varchar	Field source_documentation_reference in table database_meta_data.	No
cdm_etl_reference	varchar	Put the link to the CDM version used.	No
source_release_date	date	The release date of the source data.	No
cdm_release_date	date	The release data of the CDM instance.	No
cdm_version	varchar	Field cdm_version in table database_meta_data.	No
cdm_version_concept_id	int	The Concept Id representing the version of the CDM.	No
vocabulary_version	varchar	Field vocabulary_version in table database_meta_data.	No
database_id	varchar	Field database_id in table database_meta_data.	Yes
max_obs_period_end_date	date	Field max_obs_period_end_date in table database_meta_data.	No

3.7 EvidenceSynthesis (v1.0.0)

Prefix: es_

Tables: 8

3.7.1 es_analysis

Results data table es_analysis.

Name	Type	Description	Primary Key
evidence_synthesis_analysis_id	int	A unique identifier for the evidence synthesis analysis.	Yes
evidence_synthesis_description	varchar(255)	A description of the evidence synthesis analysis.	No
source_method	varchar(100)	The method used to produce the source estimates (e.g. 'CohortMethod').	No
definition	varchar	A JSON string representing the settings of the evidence synthesis analysis.	No

3.7.2 es_cm_diagnostics_summary

Results data table es_cm_diagnostics_summary.

Name	Type	Description	Primary Key
target_comparator	bigint	A foreign key referencing the target_comparator table.	Yes
outcome_id	int	The identifier for the outcome cohort.	Yes
analysis_id	int	A unique identifier for the cohort method analysis.	Yes
evidence_synthesis_analysis_id	int	A foreign key referencing the es_analysis table.	Yes
mddr	float	The minimum detectable relative risk.	No
i_2	float	The I2 statistics for heterogeneity.	No
tau	float	The estimated tau (standard deviation of the random-effects distribution).	No
ease	float	The expected absolute systematic error.	No

Name	Type	Description	Primary Key
max_sdm	float	The maximum absolute standardized difference of mean.	No
sdm_family_wise_min_p	float	The minimum family-wise P-value for the test whether the absolute SDM exceeds the diagnostic threshold.	No
shared_max_sdm	float	The maximum absolute standardized difference of mean of the shared balance (shared across outcomes).	No
shared_sdm_family_wise_min_p	float	The minimum family-wise P-value for the test whether the absolute SDM exceeds the diagnostic threshold for the shared balance (across all outcomes).	No
mdrr_diagnostic	varchar(10)	PASS/ NOT EVALUATED / FAIL classification of the MDRR diagnostic.	No
i_2_diagnostic	varchar(10)	PASS/ NOT EVALUATED / FAIL classification of the I2 diagnostic.	No
tau_diagnostic	varchar(10)	PASS/ NOT EVALUATED / FAIL classification of the tau diagnostic.	No
ease_diagnostic	varchar(10)	PASS/ NOT EVALUATED / FAIL classification of the EASE diagnostic.	No
balance_diagnostic	varchar(10)	PASS/ NOT EVALUATED / FAIL classification of the balance diagnostic (max_sdm).	No
shared_balance_diagnostic	varchar(10)	PASS/ NOT EVALUATED / FAIL classification of the shared balance diagnostic (shared_max_sdm).	No
unblind	int	Is unblinding the result recommended? (1 = yes, 0 = no)	No

3.7.3 es_cm_result

Results data table es_cm_result.

Name	Type	Description	Primary Key
target_comparator_id	bigint	A foreign key referencing the target_comparator table.	Yes
outcome_id	int	The identifier for the outcome cohort.	Yes
analysis_id	int	A unique identifier for the cohort method analysis.	Yes
evidence_synthesis_analysis_id	int	A foreign key referencing the es_analysis table.	Yes
rr	float	The estimated relative risk (e.g. the hazard ratio).	No
ci_95_lb	float	The lower bound of the 95% confidence interval of the relative risk.	No
ci_95_ub	float	The upper bound of the 95% confidence interval of the relative risk.	No
p	float	The two-sided p-value considering the null hypothesis of no effect.	No
one_sided_p	float	The one-sided p-value considering the null hypothesis of RR ≤ 1 .	No
log_rr	float	The log of the relative risk.	No
se_log_rr	float	The standard error of the log of the relative risk.	No
target_subjects	int	The number of subject in the target cohort.	No
comparator_subjects	int	The number of subject in the comparator cohort.	No
target_days	bigint	The number of days observed in the target cohort.	No
comparator_days	bigint	The number of days observed in the comparator cohort.	No
target_outcomes	int	The number of outcomes observed in the target cohort.	No
comparator_outcomes	int	The number of outcomes observed in the comparator cohort.	No
n_databases	int	The number of databases that contributed to the meta-analytic estimate.	No
calibrated_rr	float	The calibrated relative risk.	No
calibrated_ci_95_lb	float	The lower bound of the calibrated 95% confidence interval of the relative risk.	No

Name	Type	Description	Primary Key
calibrated_ci_95_ub	float	The upper bound of the calibrated 95% confidence interval of the relative risk.	No
calibrated_p	float	The calibrated two-sided p-value.	No
calibrated_one_sided_p	float	The calibrated one-sided p-value considering the null hypothesis of $RR \leq 1$.	No
calibrated_log_rr	float	The log of the calibrated relative risk.	No
calibrated_se_log_rr	float	The standard error of the log of the calibrated relative risk.	No
pi_95_lb	float	The lower bound of the 95% prediction interval of the relative risk.	No
pi_95_ub	float	The upper bound of the 95% prediction interval of the relative risk.	No
calibrated_pi_95_lb	float	The lower bound of the calibrated 95% prediction interval of the relative risk.	No
calibrated_pi_95_ub	float	The upper bound of the calibrated 95% prediction interval of the relative risk.	No

3.7.4 es_cm_covariate_balance

Results data table es_cm_covariate_balance.

Name	Type	Description	Primary Key
target_comparator_id	bigint	A foreign key referencing the target_comparator table.	Yes
outcome_id	bigint	The identifier for the outcome cohort.	Yes
analysis_id	int	A foreign key referencing the cm_analysis table.	Yes
covariate_id	bigint	A foreign key referencing the cm_covariate table.	Yes
evidence_synthesis_id	int	A foreign key referencing the es_analysis table.	Yes
std_diff_before	float	The standardized difference of the means between the target and comparator cohort before propensity score adjustment.	No
std_diff_var_before	float	The variance of the standardized difference of the means between the target and comparator cohort before propensity score adjustment.	No
balanced_before	int	Is the covariate balanced before propensity score adjustment? (1 = yes, 0 = no)	No
std_diff_after	float	The standardized difference of the means between the target and comparator cohort after propensity score adjustment.	No
std_diff_var_after	float	The variance of the standardized difference of the means between the target and comparator cohort after propensity score adjustment.	No
balanced_after	int	Is the covariate balanced after propensity score adjustment? (1 = yes, 0 = no)	No

3.7.5 es_cm_shared_covariate_balance

Results data table es_cm_shared_covariate_balance.

Name	Type	Description	Primary Key
target_comparator_id	bigint	A foreign key referencing the target_comparator table.	Yes
analysis_id	int	A foreign key referencing the cm_analysis table.	Yes
covariate_id	bigint	A foreign key referencing the cm_covariate table.	Yes

Name	Type	Description	Primary Key
evidence_synthesis_id	int	A foreign key referencing the es_analysis table.	Yes
std_diff_before	float	The standardized difference of the means between the target and comparator cohort before propensity score adjustment.	No
std_diff_var_before	float	The variance of the standardized difference of the means between the target and comparator cohort before propensity score adjustment.	No
balanced_before	int	Is the covariate balanced before propensity score adjustment? (1 = yes, 0 = no)	No
std_diff_after	float	The standardized difference of the means between the target and comparator cohort after propensity score adjustment.	No
std_diff_var_after	float	The variance of the standardized difference of the means between the target and comparator cohort after propensity score adjustment.	No
balanced_after	int	Is the covariate balanced after propensity score adjustment? (1 = yes, 0 = no)	No

3.7.6 es_cm_covariate

Results data table es_cm_covariate.

Name	Type	Description	Primary Key
covariate_id	bigint	A unique identified for a covariate.	Yes
covariate_name	varchar	A name for a covariate, e.g. 'Age group: 20-25 years'.	No
analysis_id	int	Foreign key referencing the cm_analysis table.	Yes
covariate_analysis_id	int	Foreign key referencing the cm_covariate_analysis table.	No

3.7.7 es_sccs_diagnostics_summary

Results data table es_sccs_diagnostics_summary.

Name	Type	Description	Primary Key
exposures_outcome_set_id	int	A foreign key referencing the sccs_exposures_outcome_set table.	Yes
covariate_id	int	A foreign key referencing the sccs_covariate table. The identifier for the covariate of interest.	Yes
analysis_id	int	A unique identifier for the cohort method analysis.	Yes
evidence_synthesis_analysis_id	int	A foreign key referencing the es_analysis table.	Yes
mdrr	float	The minimum detectable relative risk.	No
i_2	float	The I2 statistics for heterogeneity.	No
tau	float	The estimated tau (standard deviation of the random-effects distribution).	No
ease	float	The expected absolute systematic error.	No
mdrr_diagnostic	varchar(13)	PASS/ NOT EVALUATED / FAIL classification of the MDRR diagnostic.	No
i_2_diagnostic	varchar(13)	Pass / warning / fail classification of the I2 diagnostic.	No
tau_diagnostic	varchar(13)	Pass / warning / fail classification of the tau diagnostic.	No
ease_diagnostic	varchar(13)	Pass / warning / fail classification of the EASE diagnostic.	No
unblind	int	Is unblinding the result recommended? (1 = yes, 0 = no)	No

3.7.8 es_sccs_result

Results data table es_sccs_result.

Name	Type	Description	Primary Key
analysis_id	int	A foreign key referencing the sccs_analysis table.	Yes
exposures_outcome_set_id	int	A foreign key referencing the sccs_exposures_outcome_set table.	Yes
covariate_id	int	A foreign key referencing the sccs_covariate table. The identifier for the covariate of interest.	Yes
evidence_synthesis_analysis_id	int	A foreign key referencing the es_analysis table.	Yes
rr	float	The estimated relative risk (i.e. the incidence rate ratio).	No
ci_95_lb	float	The lower bound of the 95% confidence interval of the relative risk.	No
ci_95_ub	float	The upper bound of the 95% confidence interval of the relative risk.	No
p	float	The two-sided p-value considering the null hypothesis of no effect.	No
one_sided_p	float	The one-sided p-value considering the null hypothesis of $RR \leq 1$.	No
outcome_subjects	int	The number of subjects with at least one outcome.	No
outcome_events	int	The number of outcome events.	No
outcome_observation_periods	int	The number of observation periods containing at least one outcome.	No
covariate_subjects	int	The number of subjects having the covariate.	No
covariate_days	bigint	The total covariate time in days.	No
covariate_eras	int	The number of continuous eras of the covariate.	No
covariate_outcomes	int	The number of outcomes observed during the covariate time.	No
observed_days	bigint	The number of days subjects were observed.	No
n_databases	int	The number of databases that contributed to the meta-analytic estimate.	No
log_rr	float	The log of the relative risk.	No
se_log_rr	float	The standard error of the log of the relative risk.	No
calibrated_rr	float	The calibrated relative risk.	No
calibrated_ci_95_lb	float	The lower bound of the calibrated 95% confidence interval of the relative risk.	No
calibrated_ci_95_ub	float	The upper bound of the calibrated 95% confidence interval of the relative risk.	No
calibrated_p	float	The calibrated two-sided p-value.	No
calibrated_one_sided_p	float	The calibrated one-sided p-value considering the null hypothesis of $RR \leq 1$.	No
calibrated_log_rr	float	The log of the calibrated relative risk.	No
calibrated_se_log_rr	float	The standard error of the log of the calibrated relative risk.	No
pi_95_lb	float	The lower bound of the 95% prediction interval of the relative risk.	No
pi_95_ub	float	The upper bound of the 95% prediction interval of the relative risk.	No
calibrated_pi_95_lb	float	The lower bound of the calibrated 95% prediction interval of the relative risk.	No
calibrated_pi_95_ub	float	The upper bound of the calibrated 95% prediction interval of the relative risk.	No

3.8 PatientLevelPrediction (v1.0.0)

Prefix: plp_

Tables: 31

3.8.1 plp_cohorts

Results data table plp_cohorts.

Name	Type	Description	Primary Key
cohort_id	int	a unique identifier for the cohort in the plp results database	Yes
cohort_definition_id	bigint	the identifier in ATLAS for the cohort	No
cohort_name	varchar	the name of the cohort	No

3.8.2 plp_cohort_definition

Results data table plp_cohort_definition.

Name	Type	Description	Primary Key
cohort_definition_id	bigint	The ATLAS cohort definition id	No
cohort_name	varchar	The name of the cohort	No
description	text	A description of the cohort	No
json	text	The json spec for the cohort	No
sql_command	text	The SQL used to create the cohort	No

3.8.3 plp_database_meta_data

Results data table plp_database_meta_data.

Name	Type	Description	Primary Key
database_id	varchar	The shared databaseId	Yes
cdm_source_name	varchar	The name of the database	No
cdm_source_abbreviation	varchar	The abbreviated name of the database	No
cdm_holder	varchar	The owner of the CDM	No
source_description	text	The full description of the database	No
source_documentation_reference	varchar	The link to the documentation	No
cdm_etl_reference	varchar	The link to the ETL document	No
source_release_date	varchar	The release date for the data	No
cdm_release_date	varchar	The release date for the CDM data	No
cdm_version	varchar	The vocabulary version	No
vocabulary_version	varchar	The max date in the database	No
max_obs_period_end_date	varchar	Field max_obs_period_end_date in table plp_database_meta_data.	No

3.8.4 plp_database_details

Results data table plp_database_details.

Name	Type	Description	Primary Key
database_id	int	a unique identifier for the database	Yes
database_meta_data_id	varchar	The shared databaseId	No

3.8.5 plp_tars

Results data table plp_tars.

Name	Type	Description	Primary Key
tar_id	int	a unique identifier for the tar	Yes
tar_start_day	int	the number of days offset the tar_start_anchor for the time-at-risk to start	No
tar_start_anchor	varchar	whether to use the cohort start or cohort end	No
tar_end_day	int	the number of days offset the tar_end_anchor for the time-at-risk to end	No
tar_end_anchor	varchar	whether to use the cohort start or cohort end	No

3.8.6 plp_population_settings

Results data table plp_population_settings.

Name	Type	Description	Primary Key
population_setting_id	int	a unique identifier for the population settings	Yes
population_settings_json	text	the json with the settings	No

3.8.7 plp_covariate_settings

Results data table plp_covariate_settings.

Name	Type	Description	Primary Key
covariate_setting_id	int	a unique identifier for the covariate settings	Yes
covariate_settings_json	text	the json with the settings	No

3.8.8 plp_model_settings

Results data table plp_model_settings.

Name	Type	Description	Primary Key
model_setting_id	int	a unique identifier for the model settings	Yes
model_type	varchar	the type of model	No
model_settings_json	varchar	the json with the settings	No

3.8.9 plp_hyperparameter_settings

Results data table plp_hyperparameter_settings.

Name	Type	Description	Primary Key
hyperparameter_setting_id	int	a unique identifier for the hyperparameter settings	Yes
hyperparameter_settings_json	text	the json with the settings	No

3.8.10 plp_split_settings

Results data table plp_split_settings.

Name	Type	Description	Primary Key
split_setting_id	int	a unique identifier for the split settings	Yes
split_settings_json	text	the json with the settings	No

3.8.11 plp_plp_data_settings

Results data table plp_plp_data_settings.

Name	Type	Description	Primary Key
plp_data_setting_id	int	a unique identifier for the plp data settings	Yes
plp_data_settings_json	text	the json with the settings	No

3.8.12 plp_feature_engineering_settings

Results data table plp_feature_engineering_settings.

Name	Type	Description	Primary Key
feature_engineering_setting_id	int	a unique identifier for the feature engineering settings	Yes
feature_engineering_settings_json	text	the json with the settings	No

3.8.13 plp_tidy_covariates_settings

Results data table plp_tidy_covariates_settings.

Name	Type	Description	Primary Key
tidy_covariates_setting_id	int	a unique identifier for the tidy covariates settings	Yes
tidy_covariates_settings_json	text	the json with the settings	No

3.8.14 plp_sample_settings

Results data table plp_sample_settings.

Name	Type	Description	Primary Key
sample_setting_id	int	a unique identifier for the sample settings	Yes
sample_settings_json	text	the json with the settings	No

3.8.15 plp_model_designs

Results data table plp_model_designs.

Name	Type	Description	Primary Key
model_design_id	int	a unique identifier for the model design settings	Yes
target_id	int	the identifier for the target cohort id	No
outcome_id	int	the identifier for the outcome cohort id	No
tar_id	int	the identifier for the time at risk setting	No
plp_data_setting_id	int	the identifier for the plp data setting	No
population_setting_id	int	the identifier for the population setting	No
model_setting_id	int	the identifier for the model setting	No
covariate_setting_id	int	the identifier for the covariate setting	No
sample_setting_id	int	the identifier for the sample setting	No
split_setting_id	int	the identifier for the split setting	No
feature_engineering_setting_id	int	the identifier for the feature engineering setting	No
tidy_covariates_setting_id	int	the identifier for the tidy covariate setting	No
hyperparameter_setting_id	int	the identifier for the hyperparameter setting	No

3.8.16 plp_diagnostics

Results data table plp_diagnostics.

Name	Type	Description	Primary Key
diagnostic_id	int	the unique identifier for the diagnostic results	Yes
model_design_id	int	the identifier for the model design	No
database_id	int	the identifier for the database	No
execution_date_time	varchar	the date/time the diagnostic was run	No

3.8.17 plp_diagnostic_summary

Results data table plp_diagnostic_summary.

Name	Type	Description	Primary Key
diagnostic_id	int	the identifier for the diagnostics	No
probast_id	varchar	the probast id being diagnosed	No
result_value	varchar	the diagnostic result	No

3.8.18 plp_diagnostic_predictors

Results data table plp_diagnostic_predictors.

Name	Type	Description	Primary Key
diagnostic_id	int	the identifier for the diagnostics	No
days_to_event	int	the time between index to the day of interest	No
outcome_at_time	int	the number of outcomes on the day of interest	No
observed_at_start_of_day	bigint	the number of people observed up to the day of interest	No
input_type	varchar	the setting id the results are for	No

3.8.19 plp_diagnostic_participants

Results data table plp_diagnostic_participants.

Name	Type	Description	Primary Key
diagnostic_id	int	the identifier for the diagnostics	No
design	varchar	the inclusion criteria of interest	No
metric	varchar	the metric calculated	No
value	float	the value calculated	No
probast_id	varchar	the corresponding probast id	No

3.8.20 plp_diagnostic_outcomes

Results data table plp_diagnostic_outcomes.

Name	Type	Description	Primary Key
diagnostic_id	int	the identifier for the diagnostics	No
xvalue	int	the value for the x-axis	No
outcome_percent	float	the percentage of people with the outcome	No
aggregation	varchar	the type of aggregation (age,sex, year)	No
probast_id	varchar	the corresponding probast id	No
input_type	varchar	the inclusion criteria of interest	No

3.8.21 plp_diagnostic_designs

Results data table plp_diagnostic_designs.

Name	Type	Description	Primary Key
diagnostic_id	int	the identifier for the diagnostics	Yes
probast_id	varchar	not used (documented from legacy CSV model).	No
value	varchar	not used (documented from legacy CSV model).	No

3.8.22 plp_models

Results data table plp_models.

Name	Type	Description	Primary Key
model_id	int	A unique identifier for the model	Yes
analysis_id	varchar	The analysis id from the model	No
model_design_id	int	The corresponding model design id	No
database_id	int	The corresponding database id	No
model_type	varchar	The type of model	No
plp_model_file	text	A directory where the model is saved	No
train_details	text	json containing the training details	No
preprocessing	text	json containing the preprocessing details	No
execution_date_time	varchar	the date/time the model was trained	No
training_time	varchar	the time it took to develop the model	No
intercept	float	the intercept (if the model is a GLM)	No

3.8.23 plp_recalibrations

Results data table plp_recalibrations.

Name	Type	Description	Primary Key
recalibration_id	int	A unique identifier for the recalibration	Yes
original_model_id	int	The corresponding uncalibrated model id	No
recalibrated_model_id	int	The model id for the recalibrated model	No
recalibration_type	varchar	The type of recalibration	No
recalibration_json	varchar	The recalibration details	No

3.8.24 plp_performances

Results data table plp_performances.

Name	Type	Description	Primary Key
performance_id	int	A unique identifier for the performance	Yes
model_design_id	int	The corresponding model design id for development	No
development_database_id	int	The corresponding development database is	No
validation_database_id	int	The corresponding validation database is	No
target_id	int	The corresponding validation target cohort id	No
outcome_id	int	The corresponding validation outcome cohort id	No
tar_id	int	The corresponding validation time at risk id	No
plp_data_setting_id	int	The corresponding validation data settings id	No
population_setting_id	int	The corresponding validation population settings id	No
model_development	int	flag whether the performage is development or validation	No
execution_date_time	varchar	The date/time the validation was executed	No
plp_version	varchar	The PLP version for the validation execution	No

3.8.25 plp_attrition

Results data table plp_attrition.

Name	Type	Description	Primary Key
performance_id	int	The corresponding performance id	No
outcome_id	int	The corresponding outcome id	No
description	varchar	A description of the inclusions/exclusion	No
target_count	int	The number of target patients remaining	No
unique_people	int	The number of distinct target patients remaining	No
outcomes	int	The number of target patients with the outcome remaining	No

3.8.26 plp_prediction_distribution

Results data table plp_prediction_distribution.

Name	Type	Description	Primary Key
performance_id	int	The corresponding performance id	No
evaluation	varchar	The type of evalaution (test/train/CV)	No
class_label	int	whether the group is the with outcome or without outcome	No
person_count	int	the number of patients	No
average_predicted_probability	float	the mean predicted risk	No

Name	Type	Description	Primary Key
st_dev_predicted_probability	float	the standard deviation of the predicted risk	No
min_predicted_probability	float	the min predicted risk	No
p_05_predicted_probability	float	the 5% quantile of predicted risk	No
p_25_predicted_probability	float	the 25% quantile of predicted risk	No
median_predicted_probability	float	The median predicted risk	No
p_75_predicted_probability	float	the 75% quantile of predicted risk	No
p_95_predicted_probability	float	the 95% quantile of predicted risk	No
max_predicted_probability	float	the max predicted risk	No

3.8.27 plp_covariate_summary

Results data table plp_covariate_summary.

Name	Type	Description	Primary Key
performance_id	int	The corresponding performance id	No
covariate_id	bigint	The id for the covariate	No
covariate_name	varchar	the name for the covariate	No
concept_id	float	the concept id used to construct the covariate	No
covariate_value	float	the coefficient or covariate importance	No
covariate_count	int	the number of people with the covariate	No
covariate_mean	float	the mean value	No
covariate_st_dev	float	the standard deviation of the values	No
with_no_outcome_covariate_count	int	the number of people without the outcome with the covariate	No
with_no_outcome_covariate_mean	float	the mean value for people without the outcome	No
with_no_outcome_covariate_st_dev	float	the standard deviation of the values for people without the outcome	No
with_outcome_covariate_count	int	the number of people with the outcome with the covariate	No
with_outcome_covariate_mean	float	the mean value for people with the outcome	No
with_outcome_covariate_st_dev	float	the standard deviation of the values for people with the outcome	No
standardized_mean_diff	float	The standardized mean difference for those with and without the outcome	No

3.8.28 plp_threshold_summary

Results data table plp_threshold_summary.

Name	Type	Description	Primary Key
performance_id	int	The corresponding performance id	No
evaluation	varchar	The type of evaluation (test/train/CV)	No
prediction_threshold	float	The cut-off value being summarised	No
preference_threshold	float	the preference score of the cut-off value	No
positive_count	int	the number of patients predicted to have the outcome at the cut-off	No
negative_count	int	the number of patients predicted to not have the outcome at the cut-off	No

Name	Type	Description	Primary Key
true_count	int	the number of patients with the outcome	No
false_count	int	the number of patients without the outcome	No
true_positive_count	int	the number of patients correctly predicted to have the outcome at the cut-off	No
true_negative_count	int	the number of patients correctly predicted to not have the outcome at the cut-off	No
false_positive_count	int	the number of patients incorrectly predicted to have the outcome at the cut-off	No
false_negative_count	int	the number of patients incorrectly predicted to not have the outcome at the cut-off	No
f_1_score	float	the named metric at the cut-off	No
accuracy	float	the named metric at the cut-off	No
sensitivity	float	the named metric at the cut-off	No
false_negative_rate	float	the named metric at the cut-off	No
false_positive_rate	float	the named metric at the cut-off	No
specificity	float	the named metric at the cut-off	No
positive_predictive_value	float	the named metric at the cut-off	No
false_discovery_rate	float	the named metric at the cut-off	No
negative_predictive_value	float	the named metric at the cut-off	No
false_omission_rate	float	the named metric at the cut-off	No
positive_likelihood_ratio	float	the named metric at the cut-off	No
negative_likelihood_ratio	float	the named metric at the cut-off	No
diagnostic_odds_ratio	float	the named metric at the cut-off	No

3.8.29 plp_calibration_summary

Results data table plp_calibration_summary.

Name	Type	Description	Primary Key
performance_id	int	The corresponding performance id	No
evaluation	varchar	The type of evaluation (test/train/CV)	No
prediction_threshold	float	The cut-off value being summarised	No
person_count_at_risk	int	The number of people in the target population	No
person_count_with_outcome	int	The number of target patients with the outcome during TAR	No
average_predicted_probability	float	the mean predicted risk	No
st_dev_predicted_probability	float	the standard deviation of the predicted risk	No
min_predicted_probability	float	the min predicted risk	No
p_25_predicted_probability	float	the 25% quantile of predicted risk	No
median_predicted_probability	float	The median predicted risk	No
p_75_predicted_probability	float	the 75% quantile of predicted risk	No
max_predicted_probability	float	the max predicted risk	No
observed_incidence	float	The true incidence (outcome %)	No

3.8.30 plp_evaluation_statistics

Results data table plp_evaluation_statistics.

Name	Type	Description	Primary Key
performance_id	int	The corresponding performance id	No
evaluation	varchar	The type of evalaution (test/train/CV)	No
metric	varchar	The metric of interest	No
value	float	The value for the metric of interest	No

3.8.31 plp_demographic_summary

Results data table plp_demographic_summary.

Name	Type	Description	Primary Key
performance_id	int	The corresponding performance id	No
evaluation	varchar	The type of evalaution (test/train/CV)	No
age_group	varchar	The age group of interest	No
gen_group	varchar	The gender of interest	No
person_count_at_risk	int	The number of target patients with the age/gender of interest	No
person_count_with_outcome	int	The number of target patients with the age/gender of interest who also have the outcome during TAR	No
average_predicted_probabilty	float	the mean predicted risk	No
st_dev_predicted_probabilty	float	the standard deviation of the predicted risk	No
min_predicted_probabilty	float	the min predicted risk	No
p_25_predicted_probabilty	float	the 25% quantile of predicted risk	No
p_50_predicted_probabilty	float	The median predicted risk	No
p_75_predicted_probabilty	float	the 75% quantile of predicted risk	No
max_predicted_probabilty	float	the max predicted risk	No

3.9 SelfControlledCaseSeries (v1.0.0)

Prefix: sccs_

Tables: 17

3.9.1 sccs_analysis

Results data table sccs_analysis.

Name	Type	Description	Primary Key
analysis_id	int	A unique identifier for an analysis.	Yes
description	varchar	A description for an analysis, e.g. 'Correcting for age and season'.	No
definition	varchar	A JSON object specifying the analysis.	No

3.9.2 sccs_covariate_analysis

Results data table sccs_covariate_analysis.

Name	Type	Description	Primary Key
analysis_id	int	A foreign key referencing the sccs_analysis table.	Yes
covariate_analysis_id	int	A unique identifier for a covariate analysis.	Yes

Name	Type	Description	Primary Key
covariate_analysis_name	varchar	A name for a covariate analysis, e.g. 'Pre-exposure'.	No
variable_of_interest	int	Is the variable of interest (1 = yes, 0 = no).	No
pre_exposure	int	Does the variable represent a pre-exposure period (1 = yes, 0 = no).	No
end_of_observation_period	int	Does the variable represent the end of the observation period (1 = yes, 0 = no).	No

3.9.3 sccs_covariate

Results data table sccs_covariate.

Name	Type	Description	Primary Key
analysis_id	int	A foreign key referencing the sccs_analysis table.	Yes
exposures_outcome_set_id	int	A foreign key referencing the sccs_exposures_outcome_set table.	Yes
covariate_id	int	A unique identifier for a covariate.	Yes
covariate_name	varchar	A description for the covariate.	No
era_id	int	A foreign key referencing the sccs_era table.	No
covariate_analysis_id	int	A foreign key referencing the sccs_covariate_analysis table.	No
database_id	varchar	Foreign key referencing the database.	Yes

3.9.4 sccs_era

Results data table sccs_era.

Name	Type	Description	Primary Key
exposures_outcome_set_id	int	A foreign key referencing the sccs_exposures_outcome_set table.	Yes
analysis_id	int	A unique identifier for an analysis.	Yes
era_type	varchar	The type of era (e.g. 'rx' for drugs).	Yes
era_id	int	A unique identifier, corresponding to the ID in the source table (e.g. cohort_definition_id in a cohort table, or the drug_concept_id in the drug_era table).	Yes
era_name	varchar	A name for the era. Is NULL for eras derived from cohorts.	No
database_id	varchar	Foreign key referencing the database.	Yes

3.9.5 sccs_exposures_outcome_set

Results data table sccs_exposures_outcome_set.

Name	Type	Description	Primary Key
exposures_outcome_set_id	int	A unique identifier for a set of exposures and an outcome.	Yes
outcome_id	int	A cohort ID.	No
nesting_cohort_id	int	A cohort ID.	No

3.9.6 sccs_exposure

Results data table sccs_exposure.

Name	Type	Description	Primary Key
exposures_outcome_set_id	int	A foreign key referencing the sccs_exposures_outcome_set table.	Yes
era_id	int	A foreign key referencing the sccs_era table.	Yes
true_effect_size	float	If known, the true effect size. For negative controls this equals 1.	No

3.9.7 sccs_spline

Results data table sccs_spline.

Name	Type	Description	Primary Key
analysis_id	int	A foreign key referencing the sccs_analysis table.	Yes
exposures_outcome_set_id	int	A foreign key referencing the sccs_exposures_outcome_set table.	Yes
database_id	varchar	Foreign key referencing the database.	Yes
spline_type	varchar	Either 'age', 'season', or 'calendar time'.	Yes
knot_month	float	Location of the knot. For age, the month since birth. For season, the month of the year. For calendar time, the month since 1-1-1970.	Yes
rr	float	The estimated relative risk (i.e. the incidence rate ratio).	No

3.9.8 sccs_censor_model

Results data table sccs_censor_model.

Name	Type	Description	Primary Key
analysis_id	int	A foreign key referencing the sccs_analysis table.	Yes
exposures_outcome_set_id	int	A foreign key referencing the sccs_exposures_outcome_set table.	Yes
database_id	varchar	Foreign key referencing the database.	Yes
parameter_id	int	The parameter number in the censor model (starting at 1).	Yes
parameter_value	float	The fitted parameter value.	No
model_type	varchar	The type of censor model. Can be 'Weibull-Age', 'Weibull-Interval', 'Gamma-Age', or 'Gamma-Interval'.	No

3.9.9 sccs_result

Results data table sccs_result.

Name	Type	Description	Primary Key
analysis_id	int	A foreign key referencing the sccs_analysis table.	Yes
exposures_outcome_set_id	int	A foreign key referencing the sccs_exposures_outcome_set table.	Yes
covariate_id	int	A foreign key referencing the sccs_covariate table. The identifier for the covariate of interest.	Yes
rr	float	The estimated relative risk (i.e. the incidence rate ratio).	No

Name	Type	Description	Primary Key
ci_95_lb	float	The lower bound of the 95% confidence interval of the relative risk.	No
ci_95_ub	float	The upper bound of the 95% confidence interval of the relative risk.	No
p	float	The two-sided p-value considering the null hypothesis of no effect.	No
one_sided_p	float	The one-sided p-value considering the null hypothesis of $IRR \leq 1$.	No
outcome_subjects	int	The number of subjects with at least one outcome.	No
outcome_events	int	The number of outcome events.	No
outcome_observation_periods	int	The number of observation periods containing at least one outcome.	No
covariate_subjects	int	The number of subjects having the covariate.	No
covariate_days	int	The total covariate time in days.	No
covariate_eras	int	The number of continuous eras of the covariate.	No
covariate_outcomes	int	The number of outcomes observed during the covariate time.	No
observed_days	bigint	The number of days subjects were observed.	No
log_rr	float	The log of the relative risk.	No
se_log_rr	float	The standard error of the log of the relative risk.	No
llr	float	The log of the likelihood ratio (of the MLE vs the null hypothesis of no effect).	No
calibrated_rr	float	The calibrated relative risk.	No
calibrated_ci_95_lb	float	The lower bound of the calibrated 95% confidence interval of the relative risk.	No
calibrated_ci_95_ub	float	The upper bound of the calibrated 95% confidence interval of the relative risk.	No
calibrated_p	float	The calibrated two-sided p-value.	No
calibrated_one_sided_p	float	The calibrated one-sided p-value considering the null hypothesis of $IRR \leq 1$.	No
calibrated_log_rr	float	The log of the calibrated relative risk.	No
calibrated_se_log_rr	float	The standard error of the log of the calibrated relative risk.	No
database_id	varchar	Foreign key referencing the database.	Yes

3.9.10 sccs_covariate_result

Results data table sccs_covariate_result.

Name	Type	Description	Primary Key
analysis_id	int	A foreign key referencing the sccs_analysis table.	Yes
exposures_outcome_set_id	int	A foreign key referencing the sccs_exposures_outcome_set table.	Yes
database_id	varchar	Foreign key referencing the database.	Yes
covariate_id	int	The identifier for the covariate.	Yes
rr	float	The estimated relative risk (i.e. the incidence rate ratio).	No
ci_95_lb	float	The lower bound of the 95% confidence interval of the relative risk.	No
ci_95_ub	float	The upper bound of the 95% confidence interval of the relative risk.	No

3.9.11 sccs_attrition

Results data table sccs_attrition.

Name	Type	Description	Primary Key
sequence_number	int	The place in the sequence of steps defining the final analysis cohort. 1 indicates the original exposed population without any inclusion criteria.	Yes
description	varchar	A description of the last restriction, e.g. 'Removing persons with the outcome prior'.	No
analysis_id	int	A foreign key referencing the sccs_analysis table.	Yes
exposures_outcome_set_id	int	A foreign key referencing the sccs_exposures_outcome_set table.	Yes
covariate_id	int	A foreign key referencing the sccs_covariate table. The identifier for the covariate of interest.	Yes
database_id	varchar	Foreign key referencing the database.	Yes
outcome_subjects	int	The number of subjects with at least one outcome.	No
outcome_events	int	The number of outcome events.	No
outcome_observation_periods	int	The number of observation periods containing at least one outcome.	No
observed_days	bigint	The number of days subjects were observed.	No

3.9.12 sccs_likelihood_profile

Results data table sccs_likelihood_profile.

Name	Type	Description	Primary Key
log_rr	float	The log of the relative risk where the likelihood is sampled.	Yes
log_likelihood	float	The normalized log likelihood.	No
gradient	float	The gradient of the log likelihood.	No
covariate_id	int	The identifier for the covariate of interest.	Yes
exposures_outcome_set_id	int	A foreign key referencing the sccs_exposures_outcome_set table.	Yes
analysis_id	int	A foreign key referencing the sccs_analysis table.	Yes
database_id	varchar	Foreign key referencing the database.	Yes

3.9.13 sccs_time_trend

Results data table sccs_time_trend.

Name	Type	Description	Primary Key
analysis_id	int	A foreign key referencing the sccs_analysis table.	Yes
exposures_outcome_set_id	int	A foreign key referencing the sccs_exposures_outcome_set table.	Yes
database_id	varchar	Foreign key referencing the database.	Yes
calendar_year	int	The calendar year (e.g. 2022).	Yes
calendar_month	int	The calendar month (e.g. 1 for January).	Yes
observed_subjects	int	Number of people observed during the month.	No
ratio	float	Observed over expected ratio, where the expected count assumes a constant rate over time.	No
adjusted_ratio	float	Observed over expected ratio, where the expected count is adjusted for age, season, or calendar time, as specified in the analysis.	No

3.9.14 sccs_time_to_event

Results data table sccs_time_to_event.

Name	Type	Description	Primary Key
analysis_id	int	A foreign key referencing the sccs_analysis table.	Yes
exposures_outcome_set_id	int	A foreign key referencing the sccs_exposures_outcome_set table.	Yes
database_id	varchar	Foreign key referencing the database.	Yes
era_id	int	A foreign key referencing the sccs_era table. The identifier for the era of interest.	Yes
week	int	The number of the week relative to exposure. Week 0 starts on the day of exposure initiation.	Yes
observed_subjects	int	The numer of people observed during the week.	No
outcomes	int	The number of outcomes observed durig the week.	No

3.9.15 sccs_age_spanning

Results data table sccs_age_spanning.

Name	Type	Description	Primary Key
analysis_id	int	A foreign key referencing the sccs_analysis table.	Yes
exposures_outcome_set_id	int	A foreign key referencing the sccs_exposures_outcome_set table.	Yes
database_id	varchar	Foreign key referencing the database.	Yes
age_month	int	Age in months since birth.	Yes
cover_before_after_subjects	int	Number of subjects whose observation period covers this month as well as the one before and after.	No

3.9.16 sccs_calendar_time_spanning

Results data table sccs_calendar_time_spanning.

Name	Type	Description	Primary Key
analysis_id	int	A foreign key referencing the sccs_analysis table.	Yes
exposures_outcome_set_id	int	A foreign key referencing the sccs_exposures_outcome_set table.	Yes
database_id	varchar	Foreign key referencing the database.	Yes
calendar_year	int	Calendar year (e.g. 2022)	Yes
calendar_month	int	Calendar month (e.g. 1 is January).	Yes
cover_before_after_subjects	int	Number of subjects whose observation period covers this month as well as the one before and after.	No

3.9.17 sccs_diagnostics_summary

Results data table sccs_diagnostics_summary.

Name	Type	Description	Primary Key
analysis_id	int	A foreign key referencing the sccs_analysis table.	Yes
exposures_outcome_set_id	int	A foreign key referencing the sccs_exposures_outcome_set table.	Yes
covariate_id	int	The identifier for the covariate of interest.	Yes
database_id	varchar	Foreign key referencing the database.	Yes
time_stability_p	float	The p for whether the mean monthly ratio between observed and expected exceeds the specified threshold.	No

Name	Type	Description	Primary Key
time_stability_diagnostic	varchar(20)	Pass / fail / not evaluated classification of the time stability diagnostic.	No
event_exposure_lb	float	Lower bound of the 95% CI for the pre-expososure estimate	No
event_exposure_ub	float	Upper bound of the 95% CI for the pre-expososure estimate	No
event_exposure_diagnostic	varchar(20)	Pass / fail / not evaluated classification of the event-exposure independence diagnostic.	No
event_observation_lb	float	Lower bound of the 95% CI for the end of observation probe estimate	No
event_observation_ub	float	Upper bound of the 95% CI for the end of observation probe estimate	No
event_observation_diagnostic	varchar(20)	Pass / fail / not evaluated classification of the event-observation period dependence diagnostic.	No
rare_outcome_prevalence	float	The proportion of people in the underlying population who have the outcome at least once.	No
rare_outcome_diagnostic	varchar(20)	Pass / fail / not evaluated classification of the rare outcome diagnostic.	No
ease	float	The expected absolute systematic error.	No
ease_diagnostic	varchar(20)	Pass / warning / fail / not evaluated classification of the EASE diagnostic.	No
mdrr	float	The minimum detectable relative risk.	No
mdrr_diagnostic	varchar(20)	Pass / warning / fail / not evaluated classification of the MDRR diagnostic.	No
unblind	int	Is unblinding the result recommended? (1 = yes, 0 = no)	No
unblind_for_evidence_synthesis	int	Is unblinding the result for inclusion in evidence synthesis recommended? This ignores the MDRR diagnostic. (1 = yes, 0 = no)	No

3.10 SelfControlledCohort (v1.0.0)

Prefix: scc_

Tables: 5

3.10.1 scc_analysis_setting

Results data table scc_analysis_setting.

Name	Type	Description	Primary Key
analysis_id	int	Unique identifier for the analysis setting	Yes
description	varchar	Description of the analysis	No
settings	varchar	Settings related to the analysis	No

3.10.2 scc_result

Results data table scc_result.

Name	Type	Description	Primary Key
database_id	varchar	Unique identifier for the database	Yes
analysis_id	int	Identifier for the associated analysis	Yes
outcome_cohort_id	bigint	Identifier for the outcome cohort	Yes
target_cohort_id	bigint	Identifier for the target cohort	Yes
rr	float	Relative risk calculated from the study	No

Name	Type	Description	Primary Key
se_log_rr	float	Standard error of the log relative risk	No
lb_95	float	Lower bound of the 95% confidence interval	No
ub_95	float	Upper bound of the 95% confidence interval	No
p_value	float	P-value indicating statistical significance	No
calibrated_rr	float	Calibrated relative risk	No
calibrated_se_log_rr	float	Standard error of the calibrated log relative risk	No
calibrated_lb_95	float	Lower bound of the 95% confidence interval for calibrated results	No
calibrated_ub_95	float	Upper bound of the 95% confidence interval for calibrated results	No
calibrated_p_value	float	P-value for calibrated results	No
num_persons	float	person count	No
time_at_risk_exposed	float	Time at risk exposed	No
time_at_risk_unexposed	float	Time at risk unexposed	No
num_outcomes_exposed	float	Cases while exposed	No
num_outcomes_unexposed	float	Cases while unexposed	No
num_exposures	float	Number of exposures	No
i2	float	I ² statistic. Used in meta-analytic results only	No

3.10.3 scc_stat

Results data table scc_stat.

Name	Type	Description	Primary Key
database_id	varchar	Unique identifier for the database	Yes
analysis_id	int	Identifier for the associated analysis	Yes
outcome_cohort_id	bigint	Identifier for the outcome cohort	Yes
target_cohort_id	bigint	Identifier for the target cohort	Yes
stat_type	varchar	Type of statistical measure	No
mean	float	Mean value of the statistic	No
sd	float	Standard deviation of the statistic	No
minimum	float	Minimum value in the dataset	No
p10	float	10th percentile value	No
p25	float	25th percentile value	No
median	float	Median value	No
p75	float	75th percentile value	No
p90	float	90th percentile value	No
maximum	float	Maximum value in the dataset	No
total	float	Total count or total value of the statistic	No

3.10.4 scc_diagnostics_summary

Results data table scc_diagnostics_summary.

Name	Type	Description	Primary Key
database_id	varchar	Unique identifier for the database	Yes
analysis_id	int	Identifier for the associated analysis	Yes
outcome_cohort_id	bigint	Identifier for the outcome cohort	Yes
target_cohort_id	bigint	Identifier for the target cohort	Yes

Name	Type	Description	Primary Key
diagnostic_name	varchar	Name of the diagnostic test	Yes
diagnostic_value	float	Value associated with the diagnostic test	No
pass	int	Indicator of whether the diagnostic test passed	No

3.10.5 scc_outcome_exposure

Results data table scc_outcome_exposure.

Name	Type	Description	Primary Key
outcome_cohort_id	bigint	Identifier for the outcome cohort	Yes
target_cohort_id	bigint	Identifier for the target cohort	Yes
true_effect_size	float	Is the outcome/exposure pair a control?	No

3.11 TreatmentPatterns (v1.0.0)

Prefix: tp_

Tables: 11

3.11.1 tp_analyses

Results data table tp_analyses.

Name	Type	Description	Primary Key
analysis_id	int	Analysis identifier	Yes
description	varchar	Analysis description	No

3.11.2 tp_arguments

Results data table tp_arguments.

Name	Type	Description	Primary Key
analysis_id	int	Analysis identifier	Yes
arguments	varchar	Arguments as JSON	No
database_id	varchar	Unique identifier for the database	Yes

3.11.3 tp_attrition

Results data table tp_attrition.

Name	Type	Description	Primary Key
analysis_id	int	Analysis identifier foreign key	Yes
database_id	varchar	Unique identifier for the database	Yes
number_records	int	Number of records	No
number_subjects	int	Number of subjects	No
reason	varchar	Reason description	Yes
reason_id	int	Reason Identifier	No
target_cohort_id	int	Target cohort ID	Yes

Name	Type	Description	Primary Key
target_cohort_name	varchar	Target cohort name	No
time_stamp	bigint	Time stamp in seconds since epoch (1970-01-01)	No

3.11.4 tp_cdm_source_info

Results data table tp_cdm_source_info.

Name	Type	Description	Primary Key
analysis_id	int	Analysis identifier foreign key	Yes
cdm_etl_reference	varchar	CDM ETL Reference	No
cdm_holder	varchar	Cdm holder (documented from legacy CSV model).	No
cdm_release_date	date	CDM release date	No
cdm_source_abbreviation	varchar	CDM Source Abbreviation	No
cdm_source_name	varchar	CDM Source Name	No
cdm_version	varchar	CDM version (documented from legacy CSV model).	No
cdm_version_concept_id	int	The Concept Id representing the version of the CDM.	No
database_id	varchar	Unique identifier for the database	Yes
source_description	varchar	Source description	No
source_documentation_reference	varchar	Source Documentation Reference	No
source_release_date	date	Source release date	No
vocabulary_version	varchar	Vocabulary version	No

3.11.5 tp_counts_age

Results data table tp_counts_age.

Name	Type	Description	Primary Key
age	int	Age in years	Yes
analysis_id	int	Analysis identifier foreign key	Yes
database_id	varchar	Unique identifier for the database	Yes
n	varchar	Count per age. May be <x	No
target_cohort_id	int	Target cohort ID	Yes
target_cohort_name	varchar	Target cohort name	No

3.11.6 tp_counts_sex

Results data table tp_counts_sex.

Name	Type	Description	Primary Key
analysis_id	int	Analysis identifier foreign key	Yes
database_id	varchar	Unique identifier for the database	Yes
n	varchar	Count per sex. May be <x	No
sex	varchar	Sex group (documented from legacy CSV model).	Yes
target_cohort_id	int	Target cohort ID	Yes
target_cohort_name	varchar	Target cohort name	No

3.11.7 tp_counts_year

Results data table tp_counts_year.

Name	Type	Description	Primary Key
analysis_id	int	Analysis identifier foreign key	Yes
database_id	varchar	Unique identifier for the database	Yes
n	varchar	Count per year. May be <x	No
target_cohort_id	int	Target cohort ID	Yes
target_cohort_name	varchar	Target cohort name	No
index_year	int	Calendar year	Yes

3.11.8 tp_metadata

Results data table tp_metadata.

Name	Type	Description	Primary Key
analysis_id	int	Analysis identifier foreign key	Yes
database_id	varchar	Unique identifier for the database	Yes
execution_end	bigint	Time stamp in seconds since epoch (1970-01-01)	No
execution_start	bigint	Time stamp in seconds since epoch (1970-01-01)	No
package_version	varchar	TreatmentPatterns version	No
platform	varchar	Platform (Example: x86_64-w64-mingw32)	No
r_version	varchar	R version (documented from legacy CSV model).	No

3.11.9 tp_summary_event_duration

Results data table tp_summary_event_duration.

Name	Type	Description	Primary Key
analysis_id	int	Analysis identifier foreign key	Yes
duration_average	float	Average duration in days	No
event_count	int	Count of (combination) event	No
database_id	varchar	Unique identifier for the database	Yes
event_name	varchar	Name of (combination) event	Yes
line	varchar	Position in pathway. I.e. 1 equals the first event in a pathway. 2 the second etc. Overall indicates across the entire pathway	Yes
duration_max	int	Maximum duration in days	No
duration_median	int	Median duration in days	No
duration_min	int	Minimum duration in days	No
duration_q_1	int	Q1 duration in days	No
duration_q_2	int	Q2 duration in days	No
duration_sd	float	Standard Deviation of duration in days	No
target_cohort_id	int	Target cohort ID	Yes
target_cohort_name	varchar	Target cohort name	No

3.11.10 tp_treatment_pathways

Results data table tp_treatment_pathways.

Name	Type	Description	Primary Key
age	varchar	Age stratum (documented from legacy CSV model).	Yes
analysis_id	int	Analysis identifier foreign key	Yes
database_id	varchar	Unique identifier for the database	Yes
freq	int	Count of pathway	No
index_year	varchar	Target index year stratum	Yes
pathway	varchar	Pathway (documented from legacy CSV model).	Yes
sex	varchar	Sex stratum (documented from legacy CSV model).	Yes
target_cohort_id	int	Target cohort ID	Yes
target_cohort_name	varchar	Target cohort name	No

3.11.11 tp_analysis_cohorts

Results data table tp_analysis_cohorts.

Name	Type	Description	Primary Key
cohort_id	int	Cohort id (documented from legacy CSV model).	Yes
cohort_name	varchar	Cohort name (documented from legacy CSV model).	No
type	varchar	Cohort type (target, event, exit)	Yes
analysis_id	int	Analysis Id (documented from legacy CSV model).	Yes