

# Package ‘SkeletonCohortDiagnosticsStudy’

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**Type** Package

**Title** A tudy package that generates cohort diagnostics output based on Skeleton data set

**Version** 0.0.1

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**Description** A package that generates cohort diagnostics output based on Skeleton data set.

## Depends

**Imports** CohortDiagnostics (>= 2.1.0),  
ParallelLogger (>= 2.0.0),  
DatabaseConnector (>= 4.0.2)

**Suggests** knitr,  
rmarkdown,  
ROhdsiWebApi,  
OhdsiRTools,  
OhdsiSharing

**License** Apache License (>= 2)

**VignetteBuilder** knitr

**LazyData** TRUE

**RoxygenNote** 7.1.1

**Encoding** UTF-8

**Language** en-US

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runCohortDiagnostics    *Execute the cohort diagnostics*

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## Description

Execute the cohort diagnostics

## Usage

```
runCohortDiagnostics(  
  connectionDetails,  
  cdmDatabaseSchema,  
  vocabularyDatabaseSchema = cdmDatabaseSchema,  
  cohortDatabaseSchema = cdmDatabaseSchema,  
  cohortTable = "cohort",  
  tempEmulationSchema = cohortDatabaseSchema,  
  outputFolder,  
  incrementalFolder = file.path(outputFolder, "incrementalFolder"),  
  databaseId = "Unknown",  
  databaseName = databaseId,  
  databaseDescription = databaseId,  
  createCohorts = TRUE,  
  runInclusionStatistics = TRUE,  
  runIncludedSourceConcepts = FALSE,  
  runOrphanConcepts = FALSE,  
  runTimeDistributions = TRUE,  
  runBreakdownIndexEvents = TRUE,  
  runIncidenceRates = TRUE,  
  runCohortOverlap = TRUE,  
  runVisitContext = TRUE,  
  cohortIds = NULL,  
  runCohortCharacterization = TRUE,  
  runTemporalCohortCharacterization = TRUE,  
  minCellCount = 5  
)
```

## Arguments

connectionDetails

An object of type connectionDetails as created using the [createConnectionDetails](#) function in the DatabaseConnector package.

cdmDatabaseSchema

Schema name where your patient-level data in OMOP CDM format resides. Note that for SQL Server, this should include both the database and schema name, for example 'cdm\_data.dbo'.

vocabularyDatabaseSchema

Schema name where your OMOP vocabulary data resides. This is commonly the same as cdmDatabaseSchema. Note that for SQL Server, this should include both the database and schema name, for example 'vocabulary.dbo'.

cohortDatabaseSchema	Schema name where intermediate data can be stored. You will need to have write privileges in this schema. Note that for SQL Server, this should include both the database and schema name, for example 'cdm_data.dbo'.
cohortTable	The name of the table that will be created in the work database schema. This table will hold the exposure and outcome cohorts used in this study.
tempEmulationSchema	Some database platforms like Oracle and Impala do not truly support temp tables. To emulate temp tables, provide a schema with write privileges where temp tables can be created.
outputFolder	Name of local folder to place results; make sure to use forward slashes (/). Do not use a folder on a network drive since this greatly impacts performance.
incrementalFolder	Name of local folder to hold the logs for incremental run; make sure to use forward slashes (/). Do not use a folder on a network drive since this greatly impacts performance.
databaseId	A short string for identifying the database (e.g. 'Synpuf').
databaseName	The full name of the database (e.g. 'Medicare Claims Synthetic Public Use Files (SynPUFs)').
databaseDescription	A short description (several sentences) of the database.
createCohorts	Create the cohortTable table with the exposure and outcome cohorts?
runInclusionStatistics	Generate and export statistic on the cohort inclusion rules?
runIncludedSourceConcepts	Generate and export the source concepts included in the cohorts?
runOrphanConcepts	Generate and export potential orphan concepts?
runTimeDistributions	Generate and export cohort time distributions?
runBreakdownIndexEvents	Generate and export the breakdown of index events?
runIncidenceRates	Generate and export the cohort incidence rates?
runCohortOverlap	Generate and export the cohort overlap?
runVisitContext	Generate and export the visit context?
cohortIds	Optionally, provide a subset of cohort IDs to restrict the diagnostics to.
runCohortCharacterization	Generate and export the cohort characterization?
runTemporalCohortCharacterization	Generate and export the temporal cohort characterization?
minCellCount	The minimum number of subjects contributing to a count before it can be included in packaged results.

## Details

This function executes the cohort diagnostics.

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uploadResults	<i>Upload results to OHDSI server</i>
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**Description**

Upload results to OHDSI server

**Usage**

```
uploadResults(outputFolder, privateKeyFileName, userName)
```

**Arguments**

outputFolder	Name of local folder where the results were generated; make sure to use forward slashes (/). Do not use a folder on a network drive since this greatly impacts performance.
privateKeyFileName	A character string denoting the path to the RSA private key provided by the study coordinator.
userName	A character string containing the user name provided by the study coordinator.

**Details**

This function uploads the 'Results\_<databaseId>.zip' to the OHDSI SFTP server. Before sending, you can inspect the zip file, which contains (zipped) CSV files. You can send the zip file from a different computer than the one on which it was created.

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