

# Package ‘CohortExplorer’

November 15, 2022

**Type** Package

**Title** An R package with a Shiny viewer to explore profiles of patients in a cohort.

**Version** 0.0.2

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**Description** An R package with a Shiny viewer to explore profiles of patients in a cohort.

**Depends** DatabaseConnector (>= 5.0.0),  
R (>= 4.1.0)

**Imports** checkmate,  
clock,  
dplyr,  
lifecycle,  
ParallelLogger,  
rlang

**Suggests** testthat,  
knitr,  
withr

**Remotes** ohdsi/ParallelLogger

**License** Apache License

**RoxygenNote** 7.2.2

**VignetteBuilder** knitr

**Roxygen** list(markdown = TRUE)

**Encoding** UTF-8

**Language** en-US

**URL** <https://ohdsi.github.io/CohortExplorer/>, <https://github.com/OHDSI/CohortExplorer>

**BugReports** <https://github.com/OHDSI/CohortExplorer/issues>

## R topics documented:

exportPersonLevelData . . . . .	2
<b>Index</b>	<b>4</b>

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exportPersonLevelData *Export person level data for cohort*

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## Description

Export person level data from omop cdm tables from eligible persons in the cohort.

## Usage

```
exportPersonLevelData(
  connectionDetails = NULL,
  connection = NULL,
  cohortDatabaseSchema = "cohort",
  cdmDatabaseSchema,
  vocabularyDatabaseSchema = cdmDatabaseSchema,
  tempEmulationSchema = NULL,
  cohortTable = "cohort",
  cohortDefinitionId,
  cohortName = NULL,
  sampleSize = 25,
  personIds = NULL,
  exportFolder,
  databaseId,
  shiftDates = FALSE,
  assignNewId = FALSE
)
```

## Arguments

- `connectionDetails`

An object of type `connectionDetails` as created using the [createConnectionDetails](#) function in the DatabaseConnector package. Can be left NULL if connection is provided.
- `connection`

An object of type `connection` as created using the [connect](#) function in the DatabaseConnector package. Can be left NULL if `connectionDetails` is provided, in which case a new connection will be opened at the start of the function, and closed when the function finishes.
- `cohortDatabaseSchema`

Schema name where your cohort tables reside. Note that for SQL Server, this should include both the database and schema name, for example 'scratch.dbo'.
- `cdmDatabaseSchema`

Schema name where your omop cdm tables with person level data reside. Note that for SQL Server, this should include both the database and schema name, for example 'scratch.dbo'.
- `vocabularyDatabaseSchema`

Schema name where your omop vocabulary tables reside. It may be the `cdmDatabaseSchema`. Note that for SQL Server, this should include both the database and schema name, for example 'scratch.dbo'.

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.
cohortTable	The name of the cohort table.
cohortDefinitionId	The cohort id to extract records.
cohortName	(optional) Cohort Name
sampleSize	(Optional, default = 20) The number of persons to randomly sample. Ignored, if personId is given.
personIds	(Optional) An array of personId's to look for in Cohort table and CDM.
exportFolder	The folder where the output will be exported to. If this folder does not exist it will be created.
databaseId	A short string for identifying the database (e.g. 'Synpuf'). This will be displayed in shiny app to toggle between databases. Should not have space or underscore (_).
shiftDates	(Default = FALSE) Do you want to shift dates? This will help further de-identify data. The shift is the process of recalibrating dates such that all persons min(observation_period_start_date) is 2000-01-01.
assignNewId	(Default = FALSE) Do you want to assign a newId for persons. This will replace the personId in the source with a randomly assigned newId.

## Examples

```
## Not run:
connectionDetails <- createConnectionDetails(
  dbms = "postgresql",
  server = "ohdsi.com",
  port = 5432,
  user = "me",
  password = "secure"
)

exportPersonLevelData(
  connectionDetails = connectionDetails,
  cohortDefinitionId = 1234
)

## End(Not run)
```

# Index

connect, [2](#)  
createConnectionDetails, [2](#)  
exportPersonLevelData, [2](#)