Package 'DrugExposure'

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Type Package

Title DrugExposure: To learn patterns of Medication Compliance and Persistence

Version 0.0.1

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Description The DrugExposure R package analyzes medication compliance and persistence in cohorts. It assesses drug utilization from first exposure, calculates key metrics like medication possession ratio and proportional days covered, and enhances insights into real-world adherence to improve patient outcomes.

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

Imports CirceR,
checkmate,
dplyr,
lifecycle,
rlang

Suggests Eunomia,
remotes,
rmarkdown,
RJSONIO,
knitr,
testthat,
withr

Remotes ohdsi/Eunomia,
ohdsi/ParallelLogger

License Apache License

RoxygenNote 7.3.1

VignetteBuilder knitr

Roxygen list(markdown = TRUE)

Encoding UTF-8

Language en-US

URL https://ohdsi.github.io/DrugExposure/, https://github.com/OHDSI/DrugExposure

BugReports https://github.com/OHDSI/DrugExposure/issues

R topics documented:

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resolveConceptSetExpression

Resolve Concept Set Expression

Description

This function resolves a given concept set expression (R object, not JSON) to retrieve relevant concept IDs from a specified vocabulary database schema. It builds and executes a SQL query to extract concept IDs based on the provided concept set expression.

Usage

```
resolveConceptSetExpression(
  conceptSetExpression,
  connection = NULL,
  connectionDetails = NULL,
  vocabularyDatabaseSchema,
  tempEmulationSchema = getOption("sqlRenderTempEmulationSchema")
)
```

Arguments

conceptSetExpression
              The JSON string of the concept set expression to be resolved.

connection   An optional database connection object. If not provided, a connection will be
              established using the provided connection details.

connectionDetails
              An optional list specifying the details necessary to establish a database connec-
              tion. If no connection is provided, this parameter must be specified.

vocabularyDatabaseSchema
              The name of the database schema containing the vocabulary tables.

tempEmulationSchema
              The name of the schema used for SQL emulation of temporary tables.

Value

A tibble containing the concept IDs sorted in ascending order.

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