

# Package ‘TestGenerator’

February 1, 2024

**Type** Package

**Title** Integration Unit Tests for Pharmacoepidemiological Studies

**Version** 0.2.5

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**Description** Push a sample population for unit testing on data mapped to the Observational Medical Outcomes Partnership (OMOP) Common Data Model.

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

**Encoding** UTF-8

**RoxygenNote** 7.2.3

**Depends** R (>= 4.1.0)

**Imports** fs, jsonlite, readxl, usethis, CDMConnector, DBI, dplyr, checkmate, glue, duckdb

**Suggests** knitr, rmarkdown, testthat (>= 3.0.0)

**Config/testthat/edition** 3

**URL** <https://github.com/darwin-eu-dev/TestGenerator>,  
<https://darwin-eu-dev.github.io/TestGenerator/>

**BugReports** <https://github.com/darwin-eu-dev/TestGenerator/issues>

**VignetteBuilder** knitr

**NeedsCompilation** no

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**Repository** CRAN

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patientsCDM	<i>Pushes test population into a blank CDM.</i>
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**Description**

Pushes test population into a blank CDM.

**Usage**

```
patientsCDM(pathJson = NULL, testName = NULL)
```

**Arguments**

pathJson	Directory where the sample populations in json are located. If NULL, gets the default inst/testCases directory.
testName	Name of the sample population JSON file. If NULL it will push the first sample population in the testCases directory.

**Value**

A CDM reference object with a sample population.

**Examples**

```
filePath <- system.file("extdata", "testPatientsRSV.xlsx", package = "TestGenerator")
TestGenerator::readPatients(filePath = filePath, outputPath = tempdir())
cdm <- TestGenerator::patientsCDM(pathJson = tempdir(), testName = "test")
duckdb::duckdb_shutdown(duckdb::duckdb())
```

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readPatients	<i>Converts a sample of patients in XLSX format into Unit Testing Definition in JSON format.</i>
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**Description**

Converts a sample of patients in XLSX format into Unit Testing Definition in JSON format.

**Usage**

```
readPatients(filePath = NULL, testName = "test", outputPath = NULL)
```

**Arguments**

<code>filePath</code>	Path to the test patient data in Excel format. The Excel has sheets that represent tables from the OMOP-CDM, e.g. <code>person</code> , <code>drug_exposure</code> , <code>condition_occurrence</code> , etc.
<code>testName</code>	A name of the test population in character.
<code>outputPath</code>	Path of the output file, if NULL, a folder will be created in the project folder <code>inst/testCases</code> .

**Value**

A JSON file with sample patients inside the project directory.

**Examples**

```
filePath <- system.file("extdata", "testPatientsRSV.xlsx", package = "TestGenerator")
readPatients(filePath = filePath, outputPath = tempdir())
```

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