Package 'omopgenerics'

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Title Methods and Classes for the OMOP Common Data Model

Version 0.1.2

Description Provides definitions of core classes and methods used by analytic
pipelines that query the OMOP (Observational Medical Outcomes Partnership)
common data model.

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R **topics documented:**

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achillesColumns	*Required columns for each of the achilles result tables*

Description

Required columns for each of the achilles result tables

Usage

```
achillesColumns(table, version = "5.3")
```

Arguments

table	Table for which to see the required columns. One of "achilles_analysis", "achilles_results", or "achilles_results_dist".
version	Version of the OMOP Common Data Model.

Value

A vector containing the names of columns for the given achilles result table

Examples

```
library(omopgenerics)
achillesColumns("achilles_analysis")
achillesColumns("achilles_results")
achillesColumns("achilles_results_dist")
```

---

achillesTables   *Names of the tables that contain the results of achilles analyses*

Description

Names of the tables that contain the results of achilles analyses

Usage

```
achillesTables(version = "5.3")
```

Arguments

version   Version of the OMOP Common Data Model.

Value

Names of the tables that are contain the results from the achilles analyses

Examples

```
library(omopgenerics)
achillesTables()
```

---

attrition   *Get attrition from an object.*

Description

Get attrition from an object.

Usage

```
attrition(x)
```

Arguments

x   An object for which to get an attrition summary.

Value

A table with the attrition.

---

attrition.cohort_table
                    Get cohort attrition from a cohort_table object.

Description

Get cohort attrition from a cohort_table object.

Usage

```
## S3 method for class 'cohort_table'
attrition(x)
```

Arguments

x   A cohort_table

Value

A table with the attrition.

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

person <- tibble(
  person_id = 1, gender_concept_id = 0, year_of_birth = 1990,
  race_concept_id = 0, ethnicity_concept_id = 0
)
observation_period <- tibble(
  observation_period_id = 1, person_id = 1,
  observation_period_start_date = as.Date("2000-01-01"),
  observation_period_end_date = as.Date("2025-12-31"),
  period_type_concept_id = 0
)
cohort <- tibble(
  cohort_definition_id = c(1, 1, 1, 2),
  subject_id = 1,
  cohort_start_date = as.Date(c("2020-01-01", "2021-01-01", "2022-01-01", "2022-01-01")),
  cohort_end_date = as.Date(c("2020-01-01", "2021-01-01", "2022-01-01", "2022-01-01")),
```

```
)
cdm <- cdmFromTables(
  tables = list("person" = person, "observation_period" = observation_period),
  cdmName = "my_example_cdm",
  cohortTables = list("cohort1" = cohort)
)

attrition(cdm$cohort1)
```

---

bind   *Bind two or more objects of the same class.*

Description

Bind two or more objects of the same class.

Usage

```
bind(...)
```

Arguments

...	Objects to bind.

Value

New object.

---

bind.cohort_table   *Bind two or more cohort tables*

Description

Bind two or more cohort tables

Usage

```
## S3 method for class 'cohort_table'
bind(..., name)
```

Arguments

...	Generated cohort set objects to bind. At least two must be provided.
name	Name of the new generated cohort set.

Value

The cdm object with a new generated cohort set containing all of the cohorts passed.

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

cohort1 <- tibble(
  cohort_definition_id = 1,
  subject_id = 1:3,
  cohort_start_date = as.Date("2010-01-01"),
  cohort_end_date = as.Date("2010-01-05")
)
cohort2 <- tibble(
  cohort_definition_id = c(2, 2, 3, 3, 3),
  subject_id = c(1, 2, 3, 1, 2),
  cohort_start_date = as.Date("2010-01-01"),
  cohort_end_date = as.Date("2010-01-05")
)
cdm <- cdmFromTables(
  tables = list(
    "person" = tibble(
      person_id = c(1, 2, 3), gender_concept_id = 0, year_of_birth = 1990,
      race_concept_id = 0, ethnicity_concept_id = 0
    ),
    "observation_period" = tibble(
      observation_period_id = 1:3, person_id = 1:3,
      observation_period_start_date = as.Date("2000-01-01"),
      observation_period_end_date = as.Date("2025-12-31"),
      period_type_concept_id = 0
    )
  ),
  cdmName = "mock",
  cohortTables = list("cohort1" = cohort1, "cohort2" = cohort2)
)

cdm <- bind(cdm$cohort1, cdm$cohort2, name = "cohort3")
settings(cdm$cohort3)
cdm$cohort3
```

---

bind.summarised_result

Bind two or summarised_result objects

Description

Bind two or summarised_result objects

Usage

```
## S3 method for class 'summarised_result'
bind(...)
```

Arguments

...   summarised_result objects

Value

A summarised_result object the merged objects.

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

cdm <- cdmFromTables(
  tables = list(
    "person" = tibble(
      person_id = c(1, 2, 3), gender_concept_id = 0, year_of_birth = 1990,
      race_concept_id = 0, ethnicity_concept_id = 0
    ),
    "observation_period" = tibble(
      observation_period_id = 1:3, person_id = 1:3,
      observation_period_start_date = as.Date("2000-01-01"),
      observation_period_end_date = as.Date("2025-12-31"),
      period_type_concept_id = 0
    )
  ),
  cdmName = "mock",
  cohortTables = list("cohort1" = tibble(
    cohort_definition_id = 1,
    subject_id = 1:3,
    cohort_start_date = as.Date("2010-01-01"),
    cohort_end_date = as.Date("2010-01-05")
  ))
)

result1 <- summary(cdm)
result2 <- summary(cdm$cohort1)

mergedResult <- bind(result1, result2)
mergedResult
```

---

cdmFromTables *Create a cdm object from local tables*

Description

Create a cdm object from local tables

Usage

```
cdmFromTables(tables, cdmName, cohortTables = list(), cdmVersion = NULL)
```

Arguments

tables	List of tables to be part of the cdm object.
cdmName	Name of the cdm object.
cohortTables	List of tables that contains cohort, cohort_set and cohort_attrition can be provided as attributes.
cdmVersion	Version of the cdm_reference

Value

A cdm_reference object.

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

person <- tibble(
  person_id = 1, gender_concept_id = 0, year_of_birth = 1990,
  race_concept_id = 0, ethnicity_concept_id = 0
)
observation_period <- tibble(
  observation_period_id = 1, person_id = 1,
  observation_period_start_date = as.Date("2000-01-01"),
  observation_period_end_date = as.Date("2025-12-31"),
  period_type_concept_id = 0
)
cdm <- cdmFromTables(
  tables = list("person" = person, "observation_period" = observation_period),
  cdmName = "test"
)
```

cdmName   *Get the name of a cdm_reference.*

Description

Get the name of a cdm_reference.

Usage

```
cdmName(cdm)
```

Arguments

cdm   A cdm_reference object.

Value

Name of the cdm_reference.

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

cdm <- cdmFromTables(
  tables = list(
    "person" = tibble(
      person_id = c(1, 2, 3), gender_concept_id = 0, year_of_birth = 1990,
      race_concept_id = 0, ethnicity_concept_id = 0
    ),
    "observation_period" = tibble(
      observation_period_id = 1:3, person_id = 1:3,
      observation_period_start_date = as.Date("2000-01-01"),
      observation_period_end_date = as.Date("2025-12-31"),
      period_type_concept_id = 0
    )
  ),
  cdmName = "mock"
)

cdmName(cdm)
```

---

cdmReference   *Get the* cdm_reference *of a* cdm_table.

Description

Get the cdm_reference of a cdm_table.

Usage

```
cdmReference(table)
```

Arguments

table   A cdm_table.

Value

A cdm_reference.

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

cdm <- cdmFromTables(
  tables = list(
    "person" = tibble(
      person_id = c(1, 2, 3), gender_concept_id = 0, year_of_birth = 1990,
      race_concept_id = 0, ethnicity_concept_id = 0
    ),
    "observation_period" = tibble(
      observation_period_id = 1:3, person_id = 1:3,
      observation_period_start_date = as.Date("2000-01-01"),
      observation_period_end_date = as.Date("2025-12-31"),
      period_type_concept_id = 0
    )
  ),
  cdmName = "mock"
)

cdmReference(cdm$person)
```

cdmSource   *Get the source of a cdm_reference.*

Description

Get the source of a cdm_reference.

Usage

```
cdmSource(cdm)
```

Arguments

cdm   A cdm_reference object.

Value

A cdm_source object.

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

cdm <- cdmFromTables(
  tables = list(
    "person" = tibble(
      person_id = c(1, 2, 3), gender_concept_id = 0, year_of_birth = 1990,
      race_concept_id = 0, ethnicity_concept_id = 0
    ),
    "observation_period" = tibble(
      observation_period_id = 1:3, person_id = 1:3,
      observation_period_start_date = as.Date("2000-01-01"),
      observation_period_end_date = as.Date("2025-12-31"),
      period_type_concept_id = 0
    )
  ),
  cdmName = "mock"
)

cdmSource(cdm)
```

cdmSourceType   *Get the source type of a cdm_reference object.*

Description

Get the source type of a cdm_reference object.

Usage

```
cdmSourceType(cdm)
```

Arguments

cdm   A cdm_reference object.

Value

A character vector with the type of source of the cdm_reference object.

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

cdm <- cdmFromTables(
  tables = list(
    "person" = tibble(
      person_id = c(1, 2, 3), gender_concept_id = 0, year_of_birth = 1990,
      race_concept_id = 0, ethnicity_concept_id = 0
    ),
    "observation_period" = tibble(
      observation_period_id = 1:3, person_id = 1:3,
      observation_period_start_date = as.Date("2000-01-01"),
      observation_period_end_date = as.Date("2025-12-31"),
      period_type_concept_id = 0
    )
  ),
  cdmName = "mock"
)

cdmSourceType(cdm = cdm)
```

cdmTableFromSource   *This is an internal developer focused function that creates a cdm_table*
                            from a table that shares the source but it is not a cdm_table. Please
                            use insertTable if you want to insert a table to a cdm_reference object.

Description

This is an internal developer focused function that creates a cdm_table from a table that shares
the source but it is not a cdm_table. Please use insertTable if you want to insert a table to a
cdm_reference object.

Usage

```
cdmTableFromSource(src, value)
```

Arguments

src	A cdm_source object.
value	A table that shares source with the cdm_reference object.

Value

A cdm_table.

cdmVersion   *Get the version of a cdm_reference.*

Description

Get the version of a cdm_reference.

Usage

```
cdmVersion(cdm)
```

Arguments

cdm	A cdm_reference object.

Value

Version of the cdm_reference.

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

cdm <- cdmFromTables(
  tables = list(
    "person" = tibble(
      person_id = c(1, 2, 3), gender_concept_id = 0, year_of_birth = 1990,
      race_concept_id = 0, ethnicity_concept_id = 0
    ),
    "observation_period" = tibble(
      observation_period_id = 1:3, person_id = 1:3,
      observation_period_start_date = as.Date("2000-01-01"),
      observation_period_end_date = as.Date("2025-12-31"),
      period_type_concept_id = 0
    )
  ),
  cdmName = "mock"
)

cdmVersion(cdm)
```

---

checkCohortRequirements

Check whether a cohort table satisfies requirements

Description

Check whether a cohort table satisfies requirements

Usage

```
checkCohortRequirements(
  cohort,
  checkEndAfterStart = TRUE,
  checkOverlappingEntries = TRUE,
  checkMissingValues = TRUE,
  checkInObservation = TRUE,
  type = "error",
  call = parent.frame()
)
```

Arguments

cohort   cohort_table object.

checkEndAfterStart

> If TRUE a check that all cohort end dates come on or after cohort start date will be performed.

checkOverlappingEntries

> If TRUE a check that no individuals have overlapping cohort entries will be performed.

checkMissingValues

> If TRUE a check that there are no missing values in required fields will be performed.

checkInObservation

> If TRUE a check that cohort entries are within the individuals observation periods will be performed.

type

> Can be either "error" or "warning". If "error" any check failure will result in an error, whereas if "warning" any check failure will result in a warning.

call

> The call for which to return the error message.

Value

An error will be returned if any of the selected checks fail.

Examples

```
library(omopgenerics)
person <- dplyr::tibble(
  person_id = 1, gender_concept_id = 0, year_of_birth = 1990,
  race_concept_id = 0, ethnicity_concept_id = 0
)
observation_period <- dplyr::tibble(
  observation_period_id = 1, person_id = 1,
  observation_period_start_date = as.Date("2000-01-01"),
  observation_period_end_date = as.Date("2025-12-31"),
  period_type_concept_id = 0
)
cdm <- cdmFromTables(
  tables = list("person" = person, "observation_period" = observation_period),
  cdmName = "test"
)
cdm <- insertTable(cdm, name = "cohort1", table = dplyr::tibble(
  cohort_definition_id = 1, subject_id = 1,
  cohort_start_date = as.Date(c("2020-01-01", "2020-01-10")),
  cohort_end_date = as.Date(c("2020-01-10", "2020-01-25"))
))
cdm$cohort1 <- newCohortTable(cdm$cohort1, .softValidation = TRUE)
# checkCohortRequirements(cdm$cohort1)
```

---

cohortCodelist   *Get codelist from a cohort_table object.*

Description

Get codelist from a cohort_table object.

Usage

```
cohortCodelist(
  cohortTable,
  cohortId,
  type = c("index event", "inclusion criteria", "exclusion criteria", "exit criteria")
)
```

Arguments

cohortTable	A cohort_table object.
cohortId	A particular cohort definition id that is present in the cohort table.
type	The reason for the codelist. Can be "index event", "inclusion criteria", or "exit criteria".

Value

A table with the codelists used.

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

person <- tibble(
  person_id = 1, gender_concept_id = 0, year_of_birth = 1990,
  race_concept_id = 0, ethnicity_concept_id = 0
)
observation_period <- tibble(
  observation_period_id = 1, person_id = 1,
  observation_period_start_date = as.Date("2000-01-01"),
  observation_period_end_date = as.Date("2025-12-31"),
  period_type_concept_id = 0
)
cohort <- tibble(
  cohort_definition_id = c(1, 1, 1, 2),
  subject_id = 1,
  cohort_start_date = as.Date(c(
    "2020-01-01", "2021-01-01", "2022-01-01", "2022-01-01"
  )),
```

```
    cohort_end_date = as.Date(c(
      "2020-01-01", "2021-01-01", "2022-01-01", "2022-01-01"
    ))
)
cdm <- cdmFromTables(
  tables = list("person" = person, "observation_period" = observation_period),
  cdmName = "my_example_cdm",
  cohortTables = list("cohort1" = cohort)
)
cdm$cohort1 <- newCohortTable(table = cdm$cohort1,
                              cohortCodelistRef = dplyr::tibble(
                              cohort_definition_id = c(1,1,1,2,2),
                              codelist_name =c("disease X", "disease X", "disease X",
                                                "disease Y", "disease Y"),
                              concept_id = c(1,2,3,4,5),
                              type = "index event"
                            ))
cohortCodelist(cdm$cohort1, cohortId = 1, type = "index event")
```

---

cohortColumns   *Required columns for a generated cohort set.*

Description

Required columns for a generated cohort set.

Usage

```
cohortColumns(table, version = "5.3")
```

Arguments

| table | Either cohort, cohort_set or cohort_attrition |
| version | Version of the OMOP Common Data Model. |

Value

Required columns

Examples

```
library(omopgenerics)
cohortColumns("cohort")
```

cohortCount *Get cohort counts from a cohort_table object.*

Description

Get cohort counts from a cohort_table object.

Usage

```
cohortCount(cohort)
```

Arguments

cohort   A cohort_table object.

Value

A table with the counts.

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

person <- tibble(
  person_id = 1, gender_concept_id = 0, year_of_birth = 1990,
  race_concept_id = 0, ethnicity_concept_id = 0
)
observation_period <- tibble(
  observation_period_id = 1, person_id = 1,
  observation_period_start_date = as.Date("2000-01-01"),
  observation_period_end_date = as.Date("2025-12-31"),
  period_type_concept_id = 0
)
cohort <- tibble(
  cohort_definition_id = c(1, 1, 1, 2),
  subject_id = 1,
  cohort_start_date = as.Date(c(
    "2020-01-01", "2021-01-01", "2022-01-01", "2022-01-01"
  )),
  cohort_end_date = as.Date(c(
    "2020-01-01", "2021-01-01", "2022-01-01", "2022-01-01"
  )),
)
cdm <- cdmFromTables(
  tables = list("person" = person, "observation_period" = observation_period),
  cdmName = "my_example_cdm",
  cohortTables = list("cohort1" = cohort)
)
```

```
cohortCount(cdm$cohort1)
```

---

cohortTables   *Cohort tables that a cdm reference can contain in the OMOP Common Data Model.*

Description

Cohort tables that a cdm reference can contain in the OMOP Common Data Model.

Usage

```
cohortTables(version = "5.3")
```

Arguments

version   Version of the OMOP Common Data Model.

Value

cohort tables

Examples

```
library(omopgenerics)
cohortTables()
```

---

collect.cdm_reference *Retrieves the cdm reference into a local cdm.*

Description

Retrieves the cdm reference into a local cdm.

Usage

```
## S3 method for class 'cdm_reference'
collect(x, ...)
```

Arguments

x   A cdm_reference object.

...   For compatibility only, not used.

Value

A local cdm_reference.

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

cdm <- cdmFromTables(
  tables = list(
    "person" = dplyr::tibble(
      person_id = c(1, 2, 3), gender_concept_id = 0, year_of_birth = 1990,
      race_concept_id = 0, ethnicity_concept_id = 0
    ),
    "observation_period" = dplyr::tibble(
      observation_period_id = 1:3, person_id = 1:3,
      observation_period_start_date = as.Date("2000-01-01"),
      observation_period_end_date = as.Date("2025-12-31"),
      period_type_concept_id = 0
    )
  ),
  cdmName = "mock"
)

collect(cdm)
```

---

collect.cohort_table   *To collect a* cohort_table *object.*

Description

To collect a cohort_table object.

Usage

```
## S3 method for class 'cohort_table'
collect(x, ...)
```

Arguments

x	cohort_table object.
...	Not used (for compatibility).

Value

A data frame with the cohort_table

---

compute.cdm_table   *Store results in a table.*

Description

Store results in a table.

Usage

```
## S3 method for class 'cdm_table'
compute(x, name = uniqueTableName(), temporary = TRUE, overwrite = TRUE, ...)
```

Arguments

x	Table in the cdm.
name	Name to store the table with.
temporary	Whether to store table temporarily (TRUE) or permanent (FALSE).
overwrite	Whether to overwrite previously existing table with name same.
...	For compatibility (not used).

Value

Reference to a table in the cdm

---

dropSourceTable   *Drop a table from a cdm object.*

Description

Drop a table from a cdm object.

Usage

```
dropSourceTable(cdm, name)
```

Arguments

cdm	A cdm reference.
name	Name(s) of the table(s) to insert. Tidyselect statements are supported.

Value

The table in the cdm reference.

dropTable   *Drop a table from a cdm object.*

Description

Drop a table from a cdm object.

Usage

```
dropTable(cdm, name)
```

Arguments

cdm   A cdm reference.

name   Name(s) of the table(s) to drop Tidyselect statements are supported.

Value

The cdm reference.

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

person <- tibble(
  person_id = 1, gender_concept_id = 0, year_of_birth = 1990,
  race_concept_id = 0, ethnicity_concept_id = 0
)
observation_period <- tibble(
  observation_period_id = 1, person_id = 1,
  observation_period_start_date = as.Date("2000-01-01"),
  observation_period_end_date = as.Date("2025-12-31"),
  period_type_concept_id = 0
)
cohort <- tibble(
  cohort_definition_id = c(1, 1, 1, 2),
  subject_id = 1,
  cohort_start_date = as.Date(c(
    "2020-01-01", "2021-01-01", "2022-01-01", "2022-01-01"
  )),
  cohort_end_date = as.Date(c(
    "2020-01-01", "2021-01-01", "2022-01-01", "2022-01-01"
  )),
)
cdm <- cdmFromTables(
  tables = list("person" = person, "observation_period" = observation_period),
  cdmName = "my_example_cdm",
  cohortTables = list("cohort1" = cohort)
```

```
)

cdm

cdm <- dropTable(cdm = cdm, name = "cohort1")

cdm
```

---

emptyAchillesTable   *Create an empty achilles table*

Description

Create an empty achilles table

Usage

```
emptyAchillesTable(cdm, name)
```

Arguments

cdm	A cdm_reference to create the table.
name	Name of the table to create.

Value

The cdm_reference with an achilles empty table

Examples

```
library(omopgenerics)
cdm <- emptyCdmReference("my_example_cdm")
emptyAchillesTable(cdm = cdm, name = "achilles_results" )
```

---

emptyCdmReference | *Create an empty cdm_reference*

Description

Create an empty cdm_reference

Usage

```
emptyCdmReference(cdmName, cdmVersion = NULL)
```

Arguments

cdmName   Name of the cdm_reference

cdmVersion   Version of the cdm_reference

Value

An empty cdm_reference

Examples

```
library(omopgenerics)
emptyCdmReference(cdmName = "my_example_cdm")
```

---

emptyCohortTable | *Create an empty cohort_table object*

Description

Create an empty cohort_table object

Usage

```
emptyCohortTable(cdm, name)
```

Arguments

cdm   A cdm_reference to create the table.

name   Name of the table to create.

Value

The cdm_reference with an empty cohort table

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

person <- tibble(
  person_id = 1, gender_concept_id = 0, year_of_birth = 1990,
  race_concept_id = 0, ethnicity_concept_id = 0
)
observation_period <- tibble(
  observation_period_id = 1, person_id = 1,
  observation_period_start_date = as.Date("2000-01-01"),
  observation_period_end_date = as.Date("2025-12-31"),
  period_type_concept_id = 0
)
cdm <- cdmFromTables(
  tables = list("person" = person, "observation_period" = observation_period),
  cdmName = "test"
)

cdm <- emptyCohortTable(cdm, "my_empty_cohort")

cdm
cdm$my_empty_cohort
settings(cdm$my_empty_cohort)
attrition(cdm$my_empty_cohort)
cohortCount(cdm$my_empty_cohort)
```

---

emptyOmopTable   *Create an empty omop table*

Description

Create an empty omop table

Usage

```
emptyOmopTable(cdm, name)
```

Arguments

cdm	A cdm_reference to create the table.
name	Name of the table to create.

Value

The cdm_reference with an empty cohort table

Examples

```
library(omopgenerics)

person <- dplyr::tibble(
  person_id = 1, gender_concept_id = 0, year_of_birth = 1990,
  race_concept_id = 0, ethnicity_concept_id = 0
)
observation_period <- dplyr::tibble(
  observation_period_id = 1, person_id = 1,
  observation_period_start_date = as.Date("2000-01-01"),
  observation_period_end_date = as.Date("2025-12-31"),
  period_type_concept_id = 0
)
cdm <- cdmFromTables(
  tables = list("person" = person, "observation_period" = observation_period),
  cdmName = "test"
)

cdm <- emptyOmopTable(cdm, "drug_exposure")

cdm$drug_exposure
```

---

emptySummarisedResult   *Empty* summarised_result *object.*

Description

Empty summarised_result object.

Usage

```
emptySummarisedResult()
```

Value

An empty summarised_result object.

Examples

```
library(omopgenerics)

emptySummarisedResult()
```

---

estimateTypeChoices   *Choices that can be present in* estimate_type *column.*

Description

Choices that can be present in estimate_type column.

Usage

```
estimateTypeChoices()
```

Value

A character vector with the options that can be present in estimate_type column in the summarised_result objects.

Examples

```
library(omopgenerics)

estimateTypeChoices()
```

---

insertFromSource   *Convert a table that is not a cdm_table but have the same original*
                          source to a cdm_table. This Table is not meant to be used to insert
                          tables in the cdm, please use insertTable instead.

Description

[Deprecated]

Usage

```
insertFromSource(cdm, value)
```

Arguments

cdm   A cdm_reference object.

value   A table that shares source with the cdm_reference object.

Value

A table in the cdm_reference environment

---

insertTable   *Insert a table to a cdm object.*

Description

Insert a table to a cdm object.

Usage

```
insertTable(cdm, name, table, overwrite = TRUE)
```

Arguments

cdm	A cdm reference or the source of a cdm reference.
name	Name of the table to insert.
table	Table to insert to the cdm.
overwrite	Whether to overwrite an existent table.

Value

The cdm reference. library(omopgenerics) library(dplyr, warn.conflicts = FALSE)

person <- tibble(person_id = 1, gender_concept_id = 0, year_of_birth = 1990, race_concept_id = 0, ethnicity_concept_id = 0) observation_period <- tibble(observation_period_id = 1, person_id = 1, observation_period_start_date = as.Date("2000-01-01"), observation_period_end_date = as.Date("2025-12-31"), period_type_concept_id = 0) cdm <- cdmFromTables(tables = list("person" = person, "observation_period" = observation_period), cdmName = "my_example_cdm")

x <- tibble(a = 1)

cdm <- insertTable(cdm = cdm, name = "new_table", table = x)

cdm$new_table

---

listSourceTables   *List tables that can be accessed though a cdm object.*

Description

List tables that can be accessed though a cdm object.

Usage

```
listSourceTables(cdm)
```

Arguments

cdm	A cdm reference or the source of a cdm reference.

Value

A character vector with the names of tables.

---

newAchillesTable   *Create an achilles table from a cdm_table.*

Description

Create an achilles table from a cdm_table.

Usage

```
newAchillesTable(table)
```

Arguments

table   A cdm_table.

Value

An achilles_table object

---

newCdmReference   cdm_reference *objects constructor*

Description

cdm_reference objects constructor

Usage

```
newCdmReference(tables, cdmName, cdmVersion = NULL)
```

Arguments

tables   List of tables that are part of the OMOP Common Data Model reference.

cdmName   Name of the cdm object.

cdmVersion   Version of the cdm. Supported versions 5.3 and 5.4.

Value

A cdm_reference object.

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

cdmTables <- list(
  "person" = tibble(
    person_id = 1, gender_concept_id = 0, year_of_birth = 1990,
    race_concept_id = 0, ethnicity_concept_id = 0
  ) |>
    newCdmTable(newLocalSource(), "person"),
  "observation_period" = tibble(
    observation_period_id = 1, person_id = 1,
    observation_period_start_date = as.Date("2000-01-01"),
    observation_period_end_date = as.Date("2025-12-31"),
    period_type_concept_id = 0
  ) |>
    newCdmTable(newLocalSource(), "observation_period")
)
cdm <- newCdmReference(tables = cdmTables, cdmName = "mock")

cdm
```

---

newCdmSource   *Create a cdm source object.*

Description

Create a cdm source object.

Usage

```
newCdmSource(src, sourceType)
```

Arguments

src	Source to a cdm object.
sourceType	Type of the source object.

Value

A validated cdm source object.

---

newCdmTable   *Create an cdm table.*

Description

Create an cdm table.

Usage

```
newCdmTable(table, src, name)
```

Arguments

table	A table that is part of a cdm.
src	The source of the table.
name	The name of the table.

Value

A cdm_table object

---

newCodelist   *'codelist' object constructor*

Description

'codelist' object constructor

Usage

```
newCodelist(x)
```

Arguments

x	A named list where each element contains a vector of concept IDs.

Value

A codelist object.

---

newCohortTable cohort_table *objects constructor.*

Description

cohort_table objects constructor.

Usage

```
newCohortTable(
  table,
  cohortSetRef = attr(table, "cohort_set"),
  cohortAttritionRef = attr(table, "cohort_attrition"),
  cohortCodelistRef = attr(table, "cohort_codelist"),
  .softValidation = FALSE
)
```

Arguments

table   cdm_table object with at least: cohort_definition_id, subject_id, cohort_start_date, cohort_end_date.

cohortSetRef   Table with at least: cohort_definition_id, cohort_name

cohortAttritionRef
                     Table with at least: cohort_definition_id, number_subjects, number_records, reason_id, reason, excluded_subjects, excluded_records.

cohortCodelistRef
                     Table with at least: cohort_definition_id, codelist_name, and concept_id.

.softValidation
                     Whether to perform a soft validation of consistency. If set to FALSE four additional checks will be performed: 1) a check that cohort end date is not before cohort start date, 2) a check that there are no missing values in required columns, 3) a check that cohort duration is all within observation period, and 4) that there are no overlapping cohort entries

Value

A cohort_table object

Examples

```
person <- dplyr::tibble(
  person_id = 1, gender_concept_id = 0, year_of_birth = 1990,
  race_concept_id = 0, ethnicity_concept_id = 0
)
observation_period <- dplyr::tibble(
  observation_period_id = 1, person_id = 1,
  observation_period_start_date = as.Date("2000-01-01"),
```

```
    observation_period_end_date = as.Date("2025-12-31"),
    period_type_concept_id = 0
)
cohort1 <- dplyr::tibble(
  cohort_definition_id = 1, subject_id = 1,
  cohort_start_date = as.Date("2020-01-01"),
  cohort_end_date = as.Date("2020-01-10")
)
cdm <- cdmFromTables(
  tables = list(
    "person" = person,
    "observation_period" = observation_period,
    "cohort1" = cohort1
  ),
  cdmName = "test"
)
cdm
cdm$cohort1 <- newCohortTable(table = cdm$cohort1)
cdm
settings(cdm$cohort1)
attrition(cdm$cohort1)
cohortCount(cdm$cohort1)
```

newConceptSetExpression

'conceptSetExpression' object constructor

Description

'conceptSetExpression' object constructor

Usage

```
newConceptSetExpression(x)
```

Arguments

x   a named list of tibbles, each of which containing concept set definitions

Value

A conceptSetExpression

---

newLocalSource   *A new local source for the cdm*

Description

A new local source for the cdm

Usage

```
newLocalSource()
```

Value

A list in the format of a cdm source

Examples

```
library(omopgenerics)
newLocalSource()
```

---

newOmopTable   *Create an omop table from a cdm table.*

Description

Create an omop table from a cdm table.

Usage

```
newOmopTable(table)
```

Arguments

table   A cdm_table.

Value

An omop_table object

---

newSummarisedResult   *'summarised_results' object constructor*

Description

'summarised_results' object constructor

Usage

```
newSummarisedResult(x)
```

Arguments

x   Table.

Value

A summarisedResult object

---

omopColumns   *Required columns that the standard tables in the OMOP Common Data Model must have.*

Description

Required columns that the standard tables in the OMOP Common Data Model must have.

Usage

```
omopColumns(table, version = "5.3")
```

Arguments

table   Table to see required columns.
version   Version of the OMOP Common Data Model.

Value

Required columns

Examples

```
library(omopgenerics)

omopColumns("person")
```

---

omopTables   *Standard tables that a cdm reference can contain in the OMOP Common Data Model.*

Description

Standard tables that a cdm reference can contain in the OMOP Common Data Model.

Usage

```
omopTables(version = "5.3")
```

Arguments

version   Version of the OMOP Common Data Model.

Value

Standard tables

Examples

```
library(omopgenerics)

omopTables()
```

---

participants   *It returns the participants that contributed to a particular analysis*

Description

It returns the participants that contributed to a particular analysis

Usage

```
participants(result, ...)
```

Arguments

result   A result object.

...   ...

Value

Table with the participants

print.cdm_reference   *Print a CDM reference object*

Description

Print a CDM reference object

Usage

```
## S3 method for class 'cdm_reference'
print(x, ...)
```

Arguments

x   A cdm_reference object

...   Included for compatibility with generic. Not used.

Value

Invisibly returns the input

Examples

```
library(omopgenerics)

cdm <- cdmFromTables(
  tables = list(
    "person" = dplyr::tibble(
      person_id = c(1, 2, 3), gender_concept_id = 0, year_of_birth = 1990,
      race_concept_id = 0, ethnicity_concept_id = 0
    ),
    "observation_period" = dplyr::tibble(
      observation_period_id = 1:3, person_id = 1:3,
      observation_period_start_date = as.Date("2000-01-01"),
      observation_period_end_date = as.Date("2025-12-31"),
      period_type_concept_id = 0
    )
  ),
  cdmName = "mock"
)

print(cdm)
```

print.codelist   *Print a codelist*

Description

Print a codelist

Usage

```
## S3 method for class 'codelist'
print(x, ...)
```

Arguments

x	A codelist
...	Included for compatibility with generic. Not used.

Value

Invisibly returns the input

Examples

```
codes <- list("disease X" = c(1, 2, 3), "disease Y" = c(4, 5))
codes <- newCodelist(codes)
print(codes)
```

print.conceptSetExpression
                    Print a concept set expression

Description

Print a concept set expression

Usage

```
## S3 method for class 'conceptSetExpression'
print(x, ...)
```

Arguments

x	A concept set expression
...	Included for compatibility with generic. Not used.

Value

Invisibly returns the input

Examples

```
asthma_cs <- list("asthma_narrow" = dplyr::tibble(
  "concept_id" = 1,
  "excluded" = FALSE,
  "descendants" = TRUE,
  "mapped" = FALSE
),
"asthma_broad" = dplyr::tibble(
  "concept_id" = c(1,2),
  "excluded" = FALSE,
  "descendants" = TRUE,
  "mapped" = FALSE
))
asthma_cs <- newConceptSetExpression(asthma_cs)
print(asthma_cs)
```

---

readSourceTable	*Read a table from the cdm_source and add it to to the cdm.*

Description

Read a table from the cdm_source and add it to to the cdm.

Usage

```
readSourceTable(cdm, name)
```

Arguments

cdm	A cdm reference.
name	Name of a table to read in the cdm_source space.

Value

A cdm_reference with new table.

recordCohortAttrition   *Update cohort attrition.*

Description

Update cohort attrition.

Usage

```
recordCohortAttrition(cohort, reason, cohortId = NULL)
```

Arguments

cohort	A cohort_table object.
reason	A character string.
cohortId	Cohort definition id of the cohort to update attrition. If NULL all cohort_definition_id are updated.

Value

cohort_table with updated attrition.

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

person <- tibble(
  person_id = 1, gender_concept_id = 0, year_of_birth = 1990,
  race_concept_id = 0, ethnicity_concept_id = 0
)
observation_period <- tibble(
  observation_period_id = 1, person_id = 1,
  observation_period_start_date = as.Date("2000-01-01"),
  observation_period_end_date = as.Date("2025-12-31"),
  period_type_concept_id = 0
)
cohort <- tibble(
  cohort_definition_id = c(1, 1, 1, 2),
  subject_id = 1,
  cohort_start_date = as.Date(c("2020-01-01", "2021-01-01", "2022-01-01", "2022-01-01")),
  cohort_end_date = as.Date(c("2020-01-01", "2021-01-01", "2022-01-01", "2022-01-01")),
)
cdm <- cdmFromTables(
  tables = list("person" = person, "observation_period" = observation_period),
  cdmName = "my_example_cdm",
  cohortTables = list("cohort1" = cohort)
)
```

```
cdm$cohort1
attrition(cdm$cohort1)

cdm$cohort1 <- cdm$cohort1 |>
  group_by(cohort_definition_id, subject_id) |>
  filter(cohort_start_date == min(cohort_start_date)) |>
  ungroup() |>
  compute(name = "cohort1", temporary = FALSE) |>
  recordCohortAttrition("Restrict to first observation")

cdm$cohort1
attrition(cdm$cohort1)
```

resultColumns	*Required columns that the result tables must have.*

Description

Required columns that the result tables must have.

Usage

```
resultColumns(table = "summarised_result")
```

Arguments

table   Table to see required columns.

Value

Required columns

Examples

```
library(omopgenerics)

resultColumns()
```

---

settings   *Get settings from an object.*

Description

Get settings from an object.

Usage

```
settings(x)
```

Arguments

x   Object

Value

A table with the settings of the object.

---

settings.cohort_table   *Get cohort settings from a cohort_table object.*

Description

Get cohort settings from a cohort_table object.

Usage

```
## S3 method for class 'cohort_table'
settings(x)
```

Arguments

x   A cohort_table object.

Value

A table with the details of the cohort settings.

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

person <- tibble(
  person_id = 1, gender_concept_id = 0, year_of_birth = 1990,
  race_concept_id = 0, ethnicity_concept_id = 0
)
observation_period <- tibble(
  observation_period_id = 1, person_id = 1,
  observation_period_start_date = as.Date("2000-01-01"),
  observation_period_end_date = as.Date("2025-12-31"),
  period_type_concept_id = 0
)
cohort <- tibble(
  cohort_definition_id = 1,
  subject_id = 1,
  cohort_start_date = as.Date("2010-01-01"),
  cohort_end_date = as.Date("2012-01-01")
)
cdm <- cdmFromTables(
  tables = list("person" = person, "observation_period" = observation_period),
  cdmName = "test",
  cohortTables = list("my_cohort" = cohort)
)

settings(cdm$my_cohort)

cdm$my_cohort <- cdm$my_cohort |>
  newCohortTable(cohortSetRef = tibble(
    cohort_definition_id = 1, cohort_name = "new_name"
  ))

settings(cdm$my_cohort)
```

```
settings.summarised_result
```
                              Get settings from a summarised_result object.

Description

Get settings from a summarised_result object.

Usage

```
## S3 method for class 'summarised_result'
settings(x)
```

Arguments

x   A summarised_result object.

Value

A table with the settings.

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

person <- tibble(
  person_id = 1, gender_concept_id = 0, year_of_birth = 1990,
  race_concept_id = 0, ethnicity_concept_id = 0
)
observation_period <- tibble(
  observation_period_id = 1, person_id = 1,
  observation_period_start_date = as.Date("2000-01-01"),
  observation_period_end_date = as.Date("2025-12-31"),
  period_type_concept_id = 0
)
cohort <- tibble(
  cohort_definition_id = 1,
  subject_id = 1,
  cohort_start_date = as.Date("2010-01-01"),
  cohort_end_date = as.Date("2012-01-01")
)
cdm <- cdmFromTables(
  tables = list("person" = person, "observation_period" = observation_period),
  cdmName = "test",
  cohortTables = list("my_cohort" = cohort)
)

result <- summary(cdm$my_cohort)

settings(result)
```

---

sourceType   *Get the source type of a cdm_source.*

Description

Get the source type of a cdm_source.

Usage

```
sourceType(cdmSource)
```

Arguments

cdmSource   A cdm_source object.

Value

A character vector that defines the type of cdm_source.

---

summary.cdm_reference   *Summary a cdm reference*

Description

Summary a cdm reference

Usage

```
## S3 method for class 'cdm_reference'
summary(object, ...)
```

Arguments

object   A cdm reference object.
...   For compatibility (not used).

Value

A summarised_result object with a summary of the data contained in the cdm.

Examples

```
library(dplyr, warn.conflicts = FALSE)

person <- tibble(
  person_id = 1, gender_concept_id = 0, year_of_birth = 1990,
  race_concept_id = 0, ethnicity_concept_id = 0
)
observation_period <- tibble(
  observation_period_id = 1, person_id = 1,
  observation_period_start_date = as.Date("2000-01-01"),
  observation_period_end_date = as.Date("2025-12-31"),
  period_type_concept_id = 0
)
cdm <- cdmFromTables(
  tables = list("person" = person, "observation_period" = observation_period),
  cdmName = "test"
)

summary(cdm)
```

summary.cohort_table   *Summary a generated cohort set*

Description

Summary a generated cohort set

Usage

```
## S3 method for class 'cohort_table'
summary(object, ...)
```

Arguments

object	A generated cohort set object.
...	For compatibility (not used).

Value

A summarised_result object with a summary of a cohort_table.

Examples

```
library(dplyr, warn.conflicts = FALSE)

person <- tibble(
  person_id = 1, gender_concept_id = 0, year_of_birth = 1990,
  race_concept_id = 0, ethnicity_concept_id = 0
)
observation_period <- tibble(
  observation_period_id = 1, person_id = 1,
  observation_period_start_date = as.Date("2000-01-01"),
  observation_period_end_date = as.Date("2025-12-31"),
  period_type_concept_id = 0
)
cdm <- cdmFromTables(
  tables = list("person" = person, "observation_period" = observation_period),
  cdmName = "test",
  cohortTables = list("cohort1" = tibble(
    cohort_definition_id = 1,
    subject_id = 1,
    cohort_start_date = as.Date("2010-01-01"),
    cohort_end_date = as.Date("2010-01-05")
  ))
)

summary(cdm$cohort1)
```

---

summary.summarised_result

Summary a summarised_result

Description

Summary a summarised_result

Usage

```
## S3 method for class 'summarised_result'
summary(object, ...)
```

Arguments

object	A summarised_result object.
...	For compatibility (not used).

Value

A summary of the result_types contained in a summarised_result object.

Examples

```
library(dplyr, warn.conflicts = FALSE)

person <- tibble(
  person_id = 1, gender_concept_id = 0, year_of_birth = 1990,
  race_concept_id = 0, ethnicity_concept_id = 0
 )
observation_period <- tibble(
  observation_period_id = 1, person_id = 1,
  observation_period_start_date = as.Date("2000-01-01"),
  observation_period_end_date = as.Date("2025-12-31"),
  period_type_concept_id = 0
)
cdm <- cdmFromTables(
  tables = list("person" = person, "observation_period" = observation_period),
  cdmName = "test"
)

result <- summary(cdm)

summary(result)
```

---

suppress   *Function to suppress counts in result objects*

Description

Function to suppress counts in result objects

Usage

```
suppress(result, minCellCount = 5)
```

Arguments

result	Result object
minCellCount	Minimum count of records to report results.

Value

Table with suppressed counts

---

suppress.summarised_result
                    Function to suppress counts in result objects

---

Description

Function to suppress counts in result objects

Usage

```
## S3 method for class 'summarised_result'
suppress(result, minCellCount = 5)
```

Arguments

result	summarised_result object.
minCellCount	Minimum count of records to report results.

Value

summarised_result with suppressed counts.

Examples

```
library(dplyr, warn.conflicts = FALSE)
library(omopgenerics)

my_result <- tibble(
  "result_id" = "1",
  "cdm_name" = "mock",
  "result_type" = "summarised_characteristics",
  "package_name" = "omopgenerics",
  "package_version" = as.character(utils::packageVersion("omopgenerics")),
  "group_name" = "overall",
  "group_level" = "overall",
  "strata_name" = c(rep("overall", 6), rep("sex", 3)),
  "strata_level" = c(rep("overall", 6), "male", "female", "female"),
  "variable_name" = c("number records", "age_group", "age_group",
  "age_group", "age_group", "my_variable", "number records", "age_group",
  "age_group"),
  "variable_level" = c(NA, "<50", "<50", ">=50", ">=50", NA, NA,
  "<50", "<50"),
  "estimate_name" = c("count", "count", "percentage", "count", "percenatge",
  "random", "count", "count", "percentage"),
  "estimate_type" = c("integer", "integer", "percentage", "integer",
  "percentage", "numeric", "integer", "integer", "percentage"),
  "estimate_value" = c("10", "5", "50", "3", "30", "1", "3", "12", "6"),
  "additional_name" = "overall",
  "additional_level" = "overall"
)
my_result <- newSummarisedResult(my_result)
my_result |> glimpse()
my_result <- suppress(my_result, minCellCount = 5)
my_result |> glimpse()
```

---

tableName   *Get the table name of a* cdm_table.

Description

Get the table name of a cdm_table.

Usage

```
tableName(table)
```

Arguments

table   A cdm_table.

Value

A character with the name.

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

cdm <- cdmFromTables(
  tables = list(
    "person" = tibble(
      person_id = c(1, 2, 3), gender_concept_id = 0, year_of_birth = 1990,
      race_concept_id = 0, ethnicity_concept_id = 0
    ),
    "observation_period" = tibble(
      observation_period_id = 1:3, person_id = 1:3,
      observation_period_start_date = as.Date("2000-01-01"),
      observation_period_end_date = as.Date("2025-12-31"),
      period_type_concept_id = 0
    )
  ),
  cdmName = "mock"
)

tableName(cdm$person)
```

---

tableSource   *Get the table source of a* cdm_table.

Description

Get the table source of a cdm_table.

Usage

```
tableSource(table)
```

Arguments

table   A cdm_table.

Value

A cdm_source object.

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

cdm <- cdmFromTables(
  tables = list(
    "person" = tibble(
      person_id = c(1, 2, 3), gender_concept_id = 0, year_of_birth = 1990,
      race_concept_id = 0, ethnicity_concept_id = 0
    ),
    "observation_period" = tibble(
      observation_period_id = 1:3, person_id = 1:3,
      observation_period_start_date = as.Date("2000-01-01"),
      observation_period_end_date = as.Date("2025-12-31"),
      period_type_concept_id = 0
    )
  ),
  cdmName = "mock"
)

tableSource(cdm$person)
```

---

tmpPrefix	*Create a temporary prefix for tables, that contains a unique prefix that starts with tmp.*

Description

Create a temporary prefix for tables, that contains a unique prefix that starts with tmp.

Usage

```
tmpPrefix()
```

Value

A temporary prefix.

Examples

```
library(omopgenerics)
tmpPrefix()
```

---

uniqueTableName   *Create a unique table name*

Description

Create a unique table name

Usage

```
uniqueTableName(prefix = "")
```

Arguments

prefix   Prefix for the table names.

Value

A string that can be used as a dbplyr temp table name

Examples

```
library(omopgenerics)
uniqueTableName()
```

---

validateNameLevel   *Validate if two columns are valid Name-Level pair.*

Description

Validate if two columns are valid Name-Level pair.

Usage

```
validateNameLevel(
  x,
  nameColumn,
  levelColumn,
  sep = " and | &&& ",
  warn = FALSE
)
```

Arguments

x	A tibble.
nameColumn	Column name of the name.
levelColumn	Column name of the level.
sep	Separation pattern.
warn	Whether to throw a warning (TRUE) or an error (FALSE).

[[.cdm_reference   *Subset a cdm reference object.*

Description

Subset a cdm reference object.

Usage

```
## S3 method for class 'cdm_reference'
x[[name]]
```

Arguments

x	A cdm reference
name	The name or index of the table to extract from the cdm object.

Value

A single cdm table reference

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

cdm <- cdmFromTables(
  tables = list(
    "person" = tibble(
      person_id = c(1, 2, 3), gender_concept_id = 0, year_of_birth = 1990,
      race_concept_id = 0, ethnicity_concept_id = 0
    ),
    "observation_period" = tibble(
      observation_period_id = 1:3, person_id = 1:3,
      observation_period_start_date = as.Date("2000-01-01"),
      observation_period_end_date = as.Date("2025-12-31"),
      period_type_concept_id = 0
    )
  ),
```

```
    cdmName = "mock"
)

cdm[["person"]]
```

[[<-.cdm_reference   *Assign a table to a cdm reference.*

Description

Assign a table to a cdm reference.

Usage

```
## S3 replacement method for class 'cdm_reference'
cdm[[name]] <- value
```

Arguments

cdm	A cdm reference.
name	Name where to assign the new table.
value	Table with the same source than the cdm object.

Value

The cdm reference.

$.cdm_reference   *Subset a cdm reference object.*

Description

Subset a cdm reference object.

Usage

```
## S3 method for class 'cdm_reference'
x$name
```

Arguments

x	A cdm reference.
name	The name of the table to extract from the cdm object.

Value

A single cdm table reference

Examples

```
library(omopgenerics)
library(dplyr, warn.conflicts = FALSE)

cdm <- cdmFromTables(
  tables = list(
    "person" = tibble(
      person_id = c(1, 2, 3), gender_concept_id = 0, year_of_birth = 1990,
      race_concept_id = 0, ethnicity_concept_id = 0
    ),
    "observation_period" = tibble(
      observation_period_id = 1:3, person_id = 1:3,
      observation_period_start_date = as.Date("2000-01-01"),
      observation_period_end_date = as.Date("2025-12-31"),
      period_type_concept_id = 0
    )
  ),
  cdmName = "mock"
)

cdm$person
```

$<-.cdm_reference   *Assign an table to a cdm reference.*

Description

Assign an table to a cdm reference.

Usage

```
## S3 replacement method for class 'cdm_reference'
cdm$name <- value
```

Arguments

cdm	A cdm reference.
name	Name where to assign the new table.
value	Table with the same source than the cdm object.

Value

The cdm reference.

Examples

```
library(omopgenerics)

cdm <- cdmFromTables(
  tables = list(
    "person" = dplyr::tibble(
      person_id = c(1, 2, 3), gender_concept_id = 0, year_of_birth = 1990,
      race_concept_id = 0, ethnicity_concept_id = 0
    ),
    "observation_period" = dplyr::tibble(
      observation_period_id = 1:3, person_id = 1:3,
      observation_period_start_date = as.Date("2000-01-01"),
      observation_period_end_date = as.Date("2025-12-31"),
      period_type_concept_id = 0
    )
  ),
  cdmName = "mock"
)

cdm$person
```

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