

## Database model documentation

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# 1. Model details

**Model name:**

DW\_D-End

**Version:**

2.4

**Database engine:**

Microsoft SQL Server

**Description:**

Database to store the D-end project data

## 2. Tables

### 2.1. Table Dim\_Cliente

#### Description:

Table that stores health plan customer information

#### 2.1.1. Columns

Column name	Type	Properties	Description
cli_id	int	PK	Primary key of the "Dim_Cliente" table, it is a sequential number field.
cli_id_ori	varchar(250)	null	Column id coming from MongoDB.
cli_nome	varchar(250)	null	Column that stores the customer's name.
cli_data_nascimento	varchar(30)	null	Column that stores the customer's date of birth.
cli_qtd_dependente	int	null	Column that stores the number of dependents of the health insurance holder.
cli_marca_otica	bigint	null	Column that stores the customer's "marca otica", an individual number for each person.
cli_marca_otica_odonto	bigint	null	Column that stores the customer's "marca otica odonto", an individual number for each person, only if the holder has this health insurance.
cli_situacao	varchar(50)	null	Column that stores the customer's status, it can be active or inactive.
cli_data_cancelamento	varchar(30)	null	Column that stores the medical insurance cancellation date.
cli_data_situacao	varchar(30)	null	Column that stores the customer status date.

cli_cod_contrato	numeric(18,0)	null	Column that stores the contract code.
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## 2.2. Table Dim\_Plano

### Description:

Table that stores health plan information.

#### 2.2.1. Columns

Column name	Type	Properties	Description
pln_id	int	PK	Primary key of the "Dim_Plano" table, it is a sequential number field.
pln_codigo	varchar(50)	null	Column that stores the health plan code.
pln_nome	varchar(250)	null	Column that stores the health plan name.
pln_operadora	varchar(250)	null	Column that stores the health plan company name.
pln_ini_vigencia	varchar(30)	null	Column that stores the date that the health plan started.

## 2.3. Table Dim\_Repassé

### Description:

Table that stores the transfer information between client and medical agreement.

#### 2.3.1. Columns

Column name	Type	Properties	Description
rep_id	int	PK	Primary key of the "Dim_Repassé" table, it is a sequential number field.
rep_saude_orig	numeric(8,2)	null	Column that stores the value of the health plan
rep_competencia	varchar(30)	null	Column that stores the payment date.
rep_data_geracao	varchar(30)	null	Column that stores the date on which the amount to be paid was generated.
rep_valor	numeric(8,2)	null	Column that stores the passed value.

rep_tipo_beneficiario	varchar(5)	null	Column that stores the type of beneficiary, whether it is a dependent or holder.
rep_rubrica	varchar(30)	null	Column that stores the transfer type.
rep_condicao	varchar(30)	null	Column that stores the pass-through condition.
rep_diferenca	numeric(8,2)	null	Difference in transfer between the health plan and the client

## 2.4. Table Dim\_Convenio

### Description:

Table that stores medical insurance information

#### 2.4.1. Columns

Column name	Type	Properties	Description
con_id	int	PK	Primary key of the "Dim_Convenio" table, it is a sequential number field.
con_codigo	bigint	null	Column that stores the medical insurance code.
con_nome	varchar(250)	null	Column that stores the name of the medical insurance.
con_data_suspensao	varchar(30)	null	Date of suspension of the medical agreement.

## 2.5. Table Fato\_Medical

### Description:

Table that stores the primary keys of dimension tables.

#### 2.5.1. Columns

Column name	Type	Properties	Description
Dim_Cliente_cli_id	int	PK	Foreign key of table "Dim_Cliente" and Primary key of table Fato_Medical.

Dim_Plano_pln_id	int	PK	Foreign key of table "Dim_Plano" and Primary key of table Fato_Medical. .
Dim_Repassse_rep_id	int	PK	Foreign key of table "Dim_Repassse" and Primary key of table Fato_Medical. .
Dim_Convenio_con_id	int	PK	Foreign key of table "Dim_Convenio" and Primary key of table Fato_Medical. .

## 3. References

### 3.1. Reference fk\_cliente\_medical\_cli\_id

**Description:**

foreign key between "Dim\_Cliente" and "Fato\_Medical" tables.

Dim_Cliente	0..*	Fato_Medical
cli_id	<->	Dim_Cliente_cli_id

### 3.2. Reference fk\_plano\_medical\_pln\_id

**Description:**

foreign key between "Dim\_Plano" and "Fato\_Medical" tables.

Dim_Plano	0..*	Fato_Medical
pln_id	<->	Dim_Plano_pln_id

### 3.3. Reference fk\_repassse\_medical\_rep\_id

**Description:**

foreign key between "Dim\_Repassse" and "Fato\_Medical" tables.

Dim_Repassse	0..*	Fato_Medical
rep_id	<->	Dim_Repassse_rep_id

### 3.4. Reference fk\_convenio\_medical\_con\_id

**Description:**

foreign key between "Dim\_Convenio" and "Fato\_Medical" tables.

Dim_Convenio	0..*	Fato_Medical
con_id	<->	Dim_Convenio_con_id