
Oracle Insurance Claims Analytics for Health - Warehouse Data Model Reference

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1 Naming Conventions

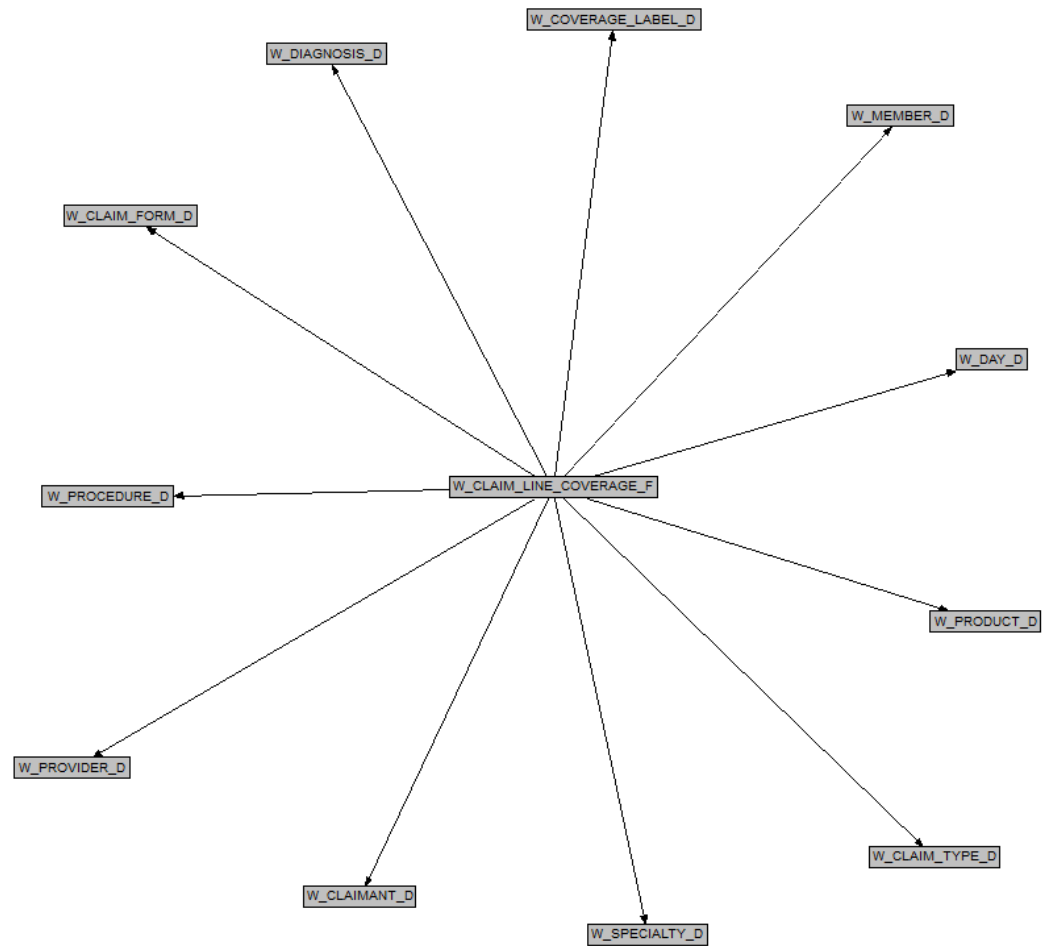
Oracle Insurance Claims Analytics for Health adheres to the Naming Conventions of Oracle Business Analytics (BI Apps).

See the following guide for details:

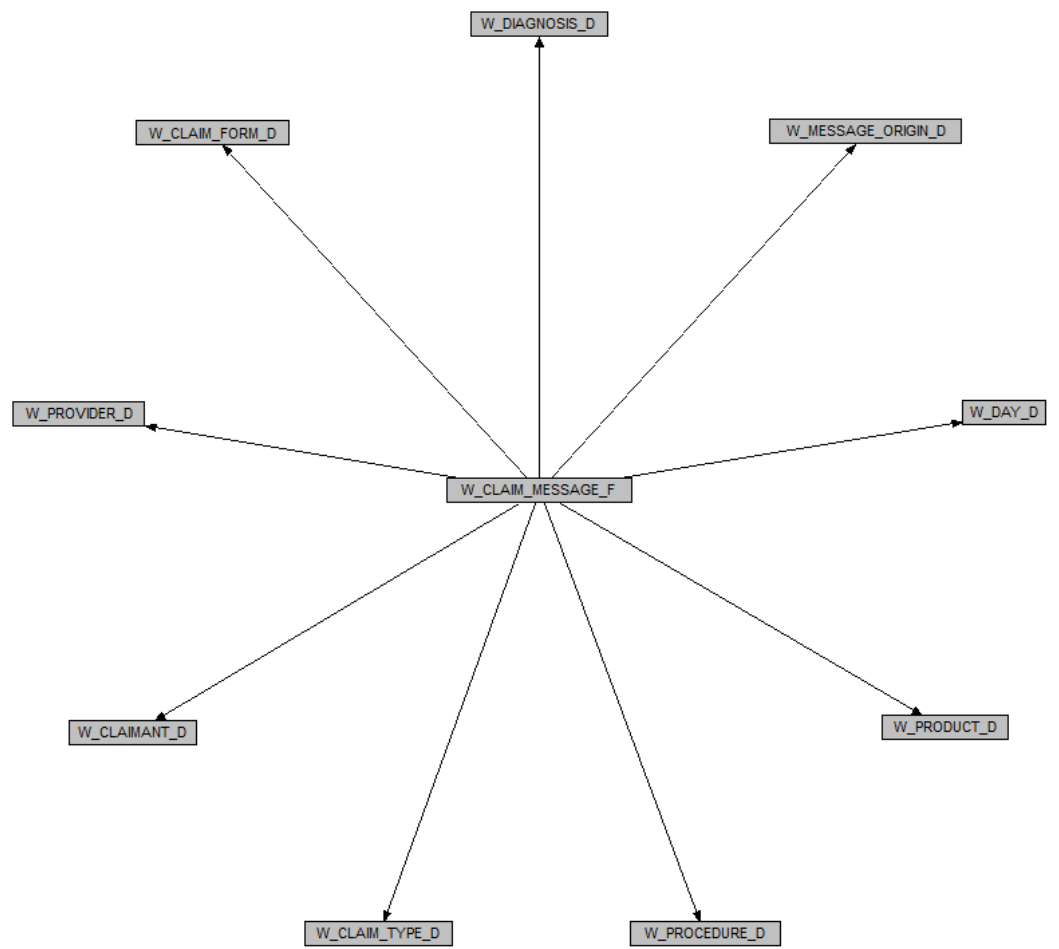
Oracle® Business Intelligence Applications
Naming Conventions and Domain Values Guide
Release 7.9.6.3
E19043-01

2 Star schema diagrams

2.1 W_CLAIM_LINE_COVERAGE_F



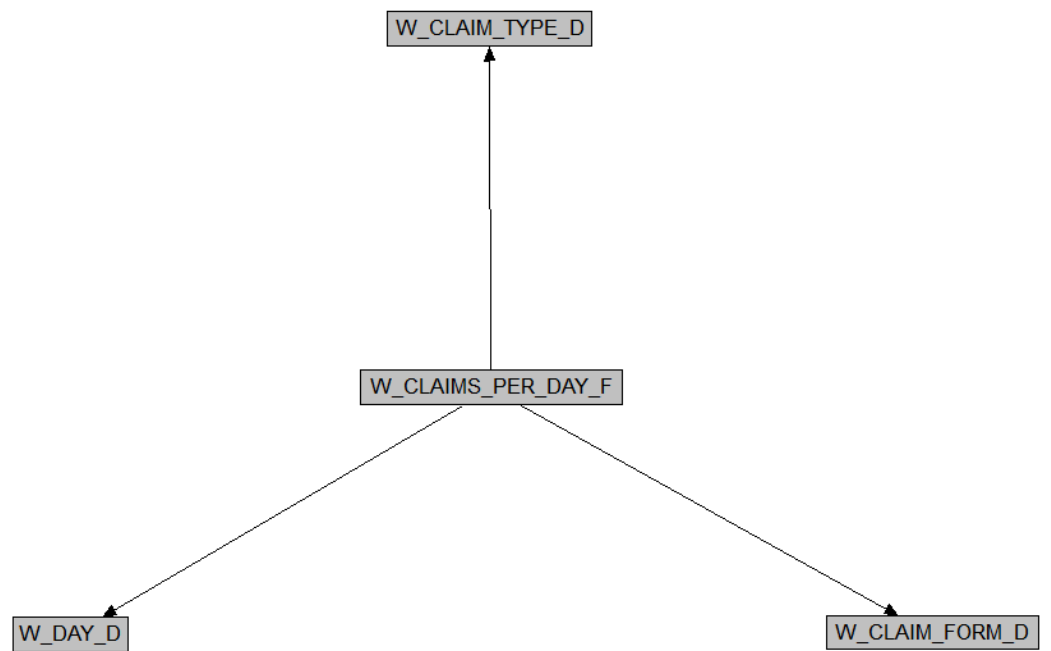
2.2 W_CLAIM_MESSAGE_F



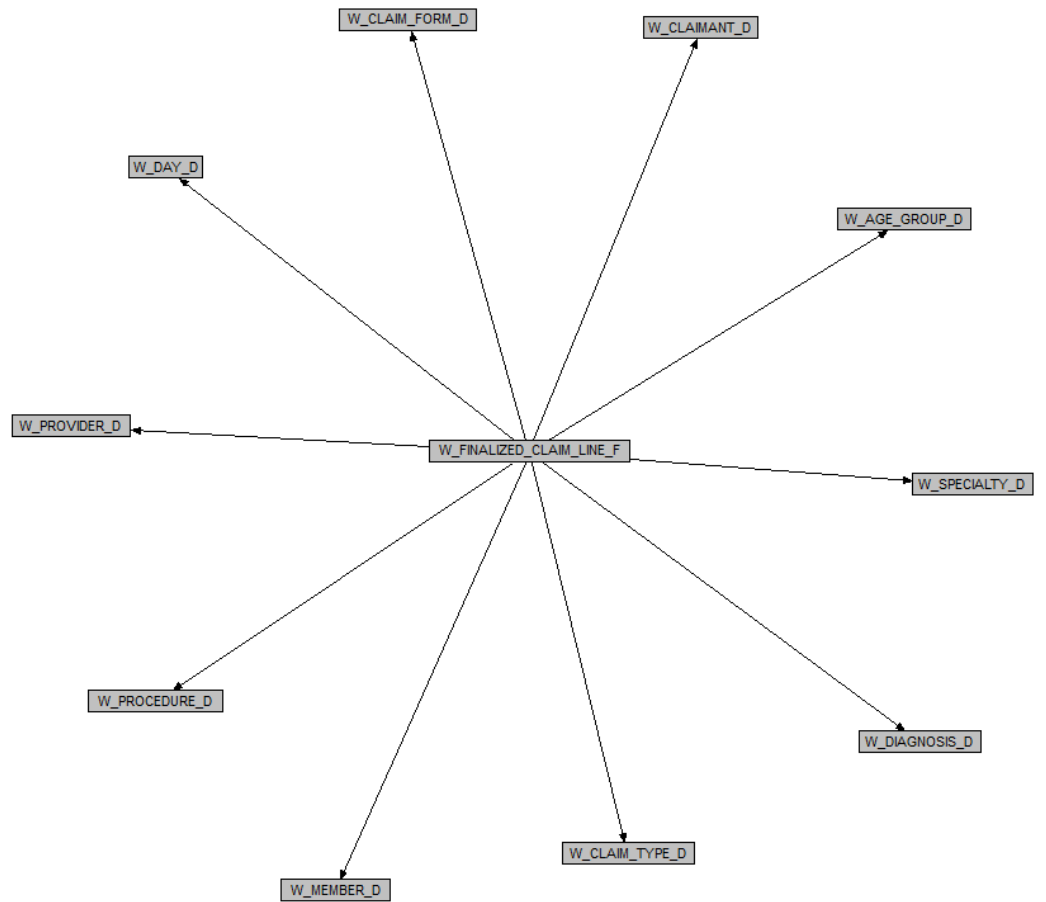
2.3 W_CLAIM_STATUS_HISTORY_F



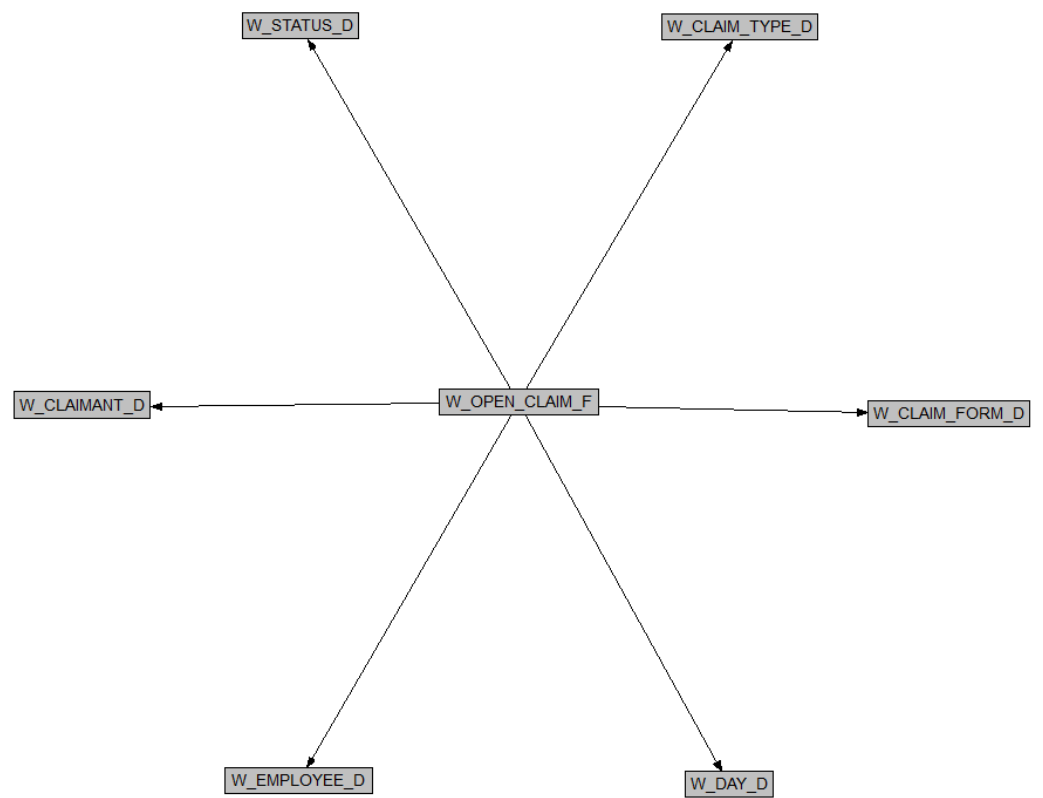
2.4 W_CLAIMS_PER_DAY_F



2.5 W_FINALIZED_CLAIM_LINE_F



2.6 W_OPEN_CLAIM_F



3 Data Model

3.1 Open Interface Layer

The Open Interface Layer of OHI Analytics consists of a set of normalized tables. Referential integrity is enforced so each table has a Primary Key (PK) and some tables have Foreign Keys (FK) referring to other Open Interface Layer tables.

To provide flexibility to each table 30 flexfields have been added; 10 character based, 10 data based and 10 number based. The contents of these flexfields will be loaded into the corresponding fact and dimension tables of the Data Warehouse. For readability reasons these flexfield columns have not been included in the documentation in the next paragraphs. The naming conventions of the columns are as follows: <alias>_DYN_CHAR_VALUE_<sequence>, <alias>_DYN_NR_VALUE_<sequence> and <alias>_DYN_DATE_VALUE_<sequence> with sequence ranging from 0 through 9.

Overview

The following Open Interface Layer are provided:

Name	Description
O_ADJUSTMENT_REASON	The possible reasons why a claim can be adjusted
O_AGE_GROUP	The different age groups people fall in. Normally contains records from 0 through 150
O_CLAIM	All claims that have been finalized in the most recent period
O_CLAIM_FORM	The different forms (both paper and EDI) a claim can be provided in
O_CLAIM_LINE	The claim line details of all claims that have been finalized in the most recent period
O_CLAIM_LINE_COVERAGE	The claim line coverage details of all claims that have been finalized in the most recent period
O_CLAIM_MESSAGE	The messages that have occurred on all claims that have been finalized in the most recent period
O_CLAIM_STATUS_HISTORY	The complete status history of all claims that have been finalized in the most recent period
O_CLAIM_TYPE	The different claim types that can occur; normally Member and Provider
O_CLAIMANT	All claimants (members/providers) of the claims that have been finalized in the most recent period
O_CLAIMS_PER_DAY	A snapshot containing the number of claims that have been received, are still open and have been finalized on a particular day.
O_COVERAGE_LABEL	The different coverage labels that can be used in Claims Processing
O_DIAGNOSIS	All diagnoses that can be determined by a provider for a member
O_EMPLOYEE	All the employees that work in the Claims Processing department
O_MEMBER	All members that have received service on claims that have been finalized in the most recent period
O_MESSAGE	All possible messages that can occur during Claims Processing
O_MESSAGE_ORIGIN	All possible intervals of the claim processing flow that messages can be raised
O_OPEN_CLAIM	All claims that are open at a particular moment
O_PROCEDURE	All treatments serviced members can undergo

O_PRODUCT	All products that serviced members can subscribe to
O_PROVIDER	All individuals or organizations that provide health care services
O_SPECIALTY	All specific health care competencies of a provider
O_STATUS	All possible status of a claim during its lifetime
O_STATUS_REASON	All reasons why a claim can achieve a certain status

In the following paragraphs a detailed description of each table is provided.

3.1.1 O_AGE_GROUP

Content

Open Interface table O_AGE_GROUP contains per age several age group classifications. By default the following categories are available:

- 5 year period
- 10 year period
- 15 year period

Dynamic fields can be used to define own categories

Attributes

Column Name	Datatype	Null?	Description
age_group_age (PK)	number(3,0)	No	The age in years (0 through 150)
age_group_descr	nvarchar2(200 char)	Yes	The description of the age group
age_group_descr_5	nvarchar2(200 char)	Yes	The age group in brackets of 5 years
age_group_descr_10	nvarchar2(200 char)	Yes	The age group in brackets of 10 years
age_group_descr_15	nvarchar2(200 char)	Yes	The age group in brackets of 15 years
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface table

3.1.2 O_CLAIM

Content

Open Interface table O_CLAIM contains the claim rows that should be loaded into the data warehouse.

Attributes

Column Name	Datatype	Null?	Description
claim_id	number	No	Identifying ID for this claim
claim_code (PK)	nvarchar2(30 char)	No	Unique identification of the claim, generated by the system

claim_version (PK)	number(4,0)	No	The version number of the transaction
claim_external_code	nvarchar2(30 char)	Yes	Identifying code for this claim which is defined outside of OHI BO
nr_of_claim_lines	number(6,0)	Yes	Number of claim lines of the claim
total_claimed_amount	number(12,2)	Yes	The total charged amount of the claim
claimant_code (FK)	nvarchar2(30 char)	Yes	Reference to the claimant dimension
claim_form_code (FK)	nvarchar2(30 char)	Yes	Reference to the claim form dimension
claim_type_code (FK)	nvarchar2(2 char)	Yes	Reference to the claim type dimension
due_dt	date	Yes	Date that the claim is due for payment
employee_code (FK)	nvarchar2(30 char)	Yes	Reference to the employee dimension
finalized_dt	date	Yes	Date the claim was finalized - reference to the time dimension
receipt_dt	date	Yes	Date that the claim was received by the payer - reference to the time dimension
adjustment_reason_1 (FK)	nvarchar2(30 char)	Yes	The first reason for adjustment
adjustment_reason_2 (FK)	nvarchar2(30 char)	Yes	The second reason for adjustment
adjustment_reason_3 (FK)	nvarchar2(30 char)	Yes	The thirdt reason for adjustment
adjustment_reason_4 (FK)	nvarchar2(30 char)	Yes	The fourth reason for adjustment
adjustment_reason_5 (FK)	nvarchar2(30 char)	Yes	The fifth reason for adjustment
adjustment_reason_6 (FK)	nvarchar2(30 char)	Yes	The sixth reason for adjustment
adjustment_reason_7 (FK)	nvarchar2(30 char)	Yes	The seventh reason for adjustment
adjustment_reason_8 (FK)	nvarchar2(30 char)	Yes	The eight reason for adjustment
adjustment_reason_9 (FK)	nvarchar2(30 char)	Yes	The ninth reason for adjustment
adjustment_reason_0 (FK)	nvarchar2(30 char)	Yes	The tenth reason for adjustment
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface table.

3.1.3 O_CLAIM_FORM

Content

Open Interface table O_CLAIM_FORM contains all possible claim forms

Attributes

Column Name	Datatype	Null?	Description
-------------	----------	-------	-------------

claim_form_code (PK)	nvarchar2(30 char)	No	The code of the claim form
claim_form_descr	nvarchar2(60 char)	No	The description of the paper claim form or EDI standard on which the claim was sent
claim_form_source	nvarchar2(60 char)	Yes	The source of the claim (for instance EDI or paper)
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface table

3.1.4 O_CLAIM_LINE

Content

Open Interface table O_CLAIM_LINE contains the details of all claims that have been finalized in the most recent period

Attributes

Column Name	Datatype	Null?	Description
claim_code (PK, FK)	nvarchar2(30 char)	No	Identification generated by the system
claim_version (PK, FK)	number(4,0)	No	The version number of the transaction
claim_line_sequence (PK)	number(6,0)	No	Unique identifier within the context of a claim
correction_flg	nvarchar2(1 char)	No	Indicates correction
entry_dt	date	Yes	Date that the claim was entered into the system
claim_dt	date	Yes	Date of the claim as provided by the claimant
paid_dt	date	Yes	Date that this claim was paid by the preceding payer
start_dt	date	Yes	Start date of the procedure
end_dt	date	Yes	End date of the procedure
claimed_amount	number(12,2)	Yes	The amount claimed by the claimant
claimed_number_of_units	number(12,6)	Yes	Claimed number of units within the context of the procedure
member_paid_amount	number(12,2)	Yes	The amount that has already been paid by the serviced member
allowed_amount	number(12,2)	Yes	The total allowed amount provided by an external application
vat_amount	number(12,2)	Yes	The total tax amount as provided by an external pricing application
covered_amount	number(12,2)	Yes	The covered amount in total
diagnosis_code (FK)	nvarchar2(61 char)	Yes	The code of the diagnosis

member_code (FK)	nvarchar2(30 char)	Yes	The code of the member
procedure_code (FK)	nvarchar2(61 char)	Yes	The code of the procedure
service_provider_code (FK)	nvarchar2(61 char)	Yes	The code of the service provider
location_provider_code (FK)	nvarchar2(61 char)	Yes	The code of the location provider
specialty_code (FK)	nvarchar2(30 char)	Yes	The code of the specialty
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface table

3.1.5 O_CLAIM_LINE_COVERAGE

Content

Open Interface table O_CLAIM_LINE_COVERAGE contains all coverage details of all claims that have been finalized in the most recent period

Attributes

Column Name	Datatype	Null?	Description
claim_code (PK, F1)	nvarchar2(30 char)	No	Identification generated by the system
claim_version (PK, F1)	number(4)	No	The version number of the transaction
claim_line_sequence (PK, F1)	number	No	Unique identifier within the context of a claim
coverage_label (PK, F2)	nvarchar2(30 char)	No	The label of the coverage
product_code (PK, F3)	nvarchar2(30 char)	No	The code of the product
amount	number(12,2)	No	The amount
number_of_units	number(12,6)	No	The number of units
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface table
last_changed_dt	timestamp(9)	No	Stores the transaction date time of the claim

3.1.6 O_CLAIM_MESSAGE

Content

Open Interface table O_CLAIM_MESSAGE contains the messages that have occurred on all claims that have been finalized in the most recent period

Attributes

Column Name	Datatype	Null?	Description
claim_code (FK1)	nvarchar2(30 char)	No	Claim Identification generated by the system
claim_version (FK1)	number(4)	No	The version number of the transaction

claim_line_sequence	number	Yes	Unique identifier of the claim line within the context of a claim
message_code (FK2)	nvarchar2(40 char)	Yes	Message code as provided on the canonical message
message_text	nvarchar2(500 char)	Yes	The message text as presented internally, e.g. on a page (with substituted parameters)
message_origin_code (FK3)	nvarchar2(30 char)	Yes	Specifies in what interval of the claim processing flow the message was added
product_code (FK4)	nvarchar2(30 char)	Yes	The code of the product
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Date of the insert

3.1.7 O_CLAIM_STATUS_HISTORY

Content

Open Interface table O_CLAIM_STATUS_HISTORY contains the complete status history of all claims that have been finalized in the most recent period

Attributes

Column Name	Datatype	Null?	Description
claim_code (PK, FK1)	nvarchar2(30 char)	No	Unique identification of the claim, generated by the system
claim_version (PK, FK1)	number(4,0)	No	The version number of the transaction
date_time_start (PK)	timestamp(9)	No	Timestamp the claim entered the current status
employee_code (FK2)	nvarchar2(30 char)	Yes	Reference to the employee dimension
status_code (FK3)	nvarchar2(30 char)	Yes	Reference to the status dimension
correction_flg	nvarchar2(1 char)	Yes	Indicates if the claim is a correction on an earlier claim
status_reason_code1 (FK4)	nvarchar2(30 char)	Yes	The first reason the claim is in this status
status_reason_code2 (FK5)	nvarchar2(30 char)	Yes	The second reason the claim is in this status
status_reason_code3 (FK6)	nvarchar2(30 char)	Yes	The third reason the claim is in this status
status_reason_code4 (FK7)	nvarchar2(30 char)	Yes	The fourth reason the claim is in this status
status_reason_code5 (FK8)	nvarchar2(30 char)	Yes	The fifth reason the claim is in this status
status_reason_code6 (FK9)	nvarchar2(30 char)	Yes	The sixth reason the claim is in this status
status_reason_code7 (FK10)	nvarchar2(30 char)	Yes	The seventh reason the claim is in this status
status_reason_code8 (FK11)	nvarchar2(30 char)	Yes	The eighth reason the claim is in this status

status_reason_code9 (FK12)	nvarchar2(30 char)	Yes	The ninth reason the claim is in this status
status_reason_code0 (FK13)	nvarchar2(30 char)	Yes	The tenth reason the claim is in this status
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface table.

3.1.8 O_CLAIM_TYPE

Content

Open Interface table O_CLAIM_TYPE contains the different claim types that can occur; normally Member and Provider

Attributes

Column Name	Datatype	Null?	Description
claim_type_code (PK)	nvarchar2(2 char)	No	The code of the claim type
claim_type_descr	nvarchar2(200 char)	No	The description of the claim type
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface table.

3.1.9 O_CLAIMANT

Content

Open Interface table O_CLAIMANT contains all claimants (members/providers) of the claims that have been finalized in the most recent period

Attributes

Column Name	Datatype	Null?	Description
claimant_code (PK)	nvarchar2(30 char)	No	Unique identification of the claimant
full_name	nvarchar2(90 char)	No	Full name of the claimant
first_name	nvarchar2(30 char)	Yes	First name of the claimant
initials	nvarchar2(20 char)	Yes	Initials of the claimant
middle_name	nvarchar2(60 char)	Yes	Middle name of the claimant
last_name	nvarchar2(60 char)	Yes	Last name of the claimant
date_of_birth	date	Yes	Date of birth of the claimant
country_code	nvarchar2(2 char)	Yes	Code of the country where the claimant lives
country_name	nvarchar2(60 char)	Yes	Name of the country where the claimant lives

region_code	nvarchar2(30 char)	Yes	Code of the state where the claimant lives
region	nvarchar2(30 char)	Yes	Name of the state where the claimant lives
city	nvarchar2(60 char)	Yes	Name of the city where the claimant lives
street	nvarchar2(60 char)	Yes	Name of the street where the claimant lives
house_number	number(5,0)	Yes	House number of the street where the claimant lives
number_addition	nvarchar2(30 char)	Yes	Addition of the house number
postal_code	nvarchar2(10 char)	Yes	Postal Code of where the claimant lives
phone_number_business	nvarchar2(30 char)	Yes	Business Phone Number of the claimant
bank_account_number	nvarchar2(60 char)	Yes	The preferred bank account number of the claimant
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface

3.1.10 O_CLAIMS_PER_DAY

Content

Open Interface table O_CLAIMS_PER_DAY consists of a snapshot containing the number of claims that have been received, are still open and have been finalized on a particular day.

Attributes

Column Name	Datatype	Null?	Description
as_of_dt (PK)	date	No	As of date of the snapshot
claim_type_code (PK, FK1)	nvarchar2(2)	No	Claim type code
claim_form_code (PK, FK2)	nvarchar2(30)	No	Claim form code
nr_of_claims_received	number	No	Number of claims received
nr_of_claims_finalized	number	No	Number of claims finalized
nr_of_claims_open	number	No	Number of claims open
nr_of_lines_received	number	No	Number of claim lines received
nr_of_lines_finalized	number	No	Number of claim lines finalized
nr_of_lines_open	number	No	Number of claim lines open
total_amount_claimed	number(12,2)	No	The total amount claimed by the claimant
total_amount_covered	number(12,2)	No	The total amount covered by the payer
total_amount_open	number(12,2)	No	The total amount still open
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface table.

3.1.11 O_COVERAGE_LABEL

Content

Open Interface table O_COVERAGE_LABEL contains the different coverage labels that can be used in Claims Processing

Attributes

Column Name	Datatype	Null?	Description
coverage_label (PK)	nvarchar2(30)	No	The label of the coverage
action_code	nvarchar2(30)	No	The type code of the label (cover or withhold)
action_descr	nvarchar2(200)	No	The type name of the label (cover or withhold)
sequence	number(3,0)	Yes	The sequence of the label for coverage results
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface table

3.1.12 O_DIAGNOSIS

Content

Open Interface table O_DIAGNOSIS contains all diagnoses that can be determined by a provider for a member

Attributes

Column Name	Datatype	Null?	Description
diagnosis_code (PK)	nvarchar2(30 char)	No	Code of the diagnosis
diagnosis_descr	nvarchar2(99 char)	No	Description of the diagnosis
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface table

3.1.13 O_EMPLOYEE

Content

Open Interface table O_EMPLOYEE contains all the employees that work in the Claims Processing department

Attributes

Column Name	Datatype	Null?	Description
-------------	----------	-------	-------------

employee_code (PK)	nvarchar2(30 char)	No	Code of the employee
employee_name	nvarchar2(200 char)	No	Name of the employee
team_code	nvarchar2(30 char)	Yes	Code of the team the employee is part of
team_descr	nvarchar2(200 char)	Yes	Name of the team the employee is part of
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface table

3.1.14 O_MEMBER

Content

Open Interface table O_MEMBER contains all members that have received service on claims that have been finalized in the most recent period

Attributes

Column Name	Datatype	Null?	Description
member_code (PK)	nvarchar2(30 char)	No	Unique identification of the member
full_name	nvarchar2(90 char)	No	Full name of the member
first_name	nvarchar2(30 char)	Yes	First name of the member
initials	nvarchar2(20 char)	Yes	Initials of the member
middle_name	nvarchar2(60 char)	Yes	Middle name of the member
last_name	nvarchar2(60 char)	Yes	Last name of the member
date_of_birth	date	Yes	Date of birth of the member
gender	nvarchar2(1 char)	Yes	The gender of the person
country_code	nvarchar2(2 char)	Yes	Code of the country where the member lives
country_name	nvarchar2(60 char)	Yes	Name of the country where the member lives
city	nvarchar2(60 char)	Yes	Name of the city where the member lives
street	nvarchar2(60 char)	Yes	Name of the street where the member lives
house_number	number(5,0)	Yes	House number of the street where the member lives
number_addition	nvarchar2(30 char)	Yes	Addition of the house number
postal_code	nvarchar2(10 char)	Yes	Postal Code of where the member lives
phone_number_business	nvarchar2(30 char)	Yes	Business Phone Number of the member
region_code	nvarchar2(30 char)	Yes	Region code where a member lives, for instance no go areas in cities
region	nvarchar2(30 char)	Yes	Region where a member lives, for instance no go areas in cities

bank_account_number	nvarchar2(60 char)	Yes	The preferred bank account number of the member
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface table

3.1.15 O_MESSAGE

Content

Open Interface table O_MESSAGE contains all possible messages that can occur during Claims Processing

Attributes

Column Name	Datatype	Null?	Description
message_code (PK)	nvarchar2(40 char)	No	The code of the message
severity	nvarchar2(1 char)	No	The severity of the message
message	nvarchar2(500 char)	No	The error message as presented internally, e.g. on a page
remarks	nvarchar2(4000 char)	Yes	Remarks regarding the error (could be an explanation or an instruction)
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface table

3.1.16 O_MESSAGE_ORIGIN

Content

Open Interface table O_MESSAGE_ORIGIN contains all possible intervals of the claim processing flow that messages can be raised

Attributes

Column Name	Datatype	Null?	Description
message_origin_code (PK)	nvarchar2(30 char)	No	The code of the origin of the message
message_origin_descr	nvarchar2(200 char)	Yes	The description of the origin of the message
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface table

3.1.17 O_OPEN_CLAIM

Content

Open Interface table O_OPEN_CLAIM contains all claims that are open at a particular moment

Attributes

Column Name	Datatype	Null?	Description
claim_id (UK1)	number	No	Unique ID of the claim, generated by the system
claim_code (PK)	nvarchar2(30)	No	Unique identification of the claim, generated by the system
claim_external_code	nvarchar2(30)	Yes	Identifying code for this claim which is defined outside of the source system
nr_of_claim_lines	number	Yes	Number of claim lines of the claim
total_claimed_amount	number(12,2)	Yes	The total charged amount of the claim
total_covered_amount	number(12,2)	Yes	The total covered amount by the payer
claimant_code	nvarchar2(30)	Yes	Code of the claimant of the claim
claim_form_code	nvarchar2(30)	Yes	Code of the claim form of the claim
claim_type_code	nvarchar2(2)	Yes	Code of the claim type of the claim
receipt_dt	date	Yes	Date that the claim was received by the payer
entry_dt	date	Yes	Date that the claim was entered
due_dt	date	Yes	Date that the claim is due for payment
status_code	nvarchar2(30)	Yes	The current status of the claim
status_time_start	timestamp(6)	Yes	Timestamp since the claim is in the current status
employee_code	nvarchar2(100)	Yes	The code of the employee that is processing the claim
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface table.

3.1.18 O_PROCEDURE

Content

Open Interface table O_PROCEDURE contains all treatments serviced members can undergo

Attributes

Column Name	Datatype	Null?	Description
procedure_code (PK)	nvarchar2(61 char)	No	The unique code of the procedure
procedure_descr	nvarchar2(99 char)	No	The description of the procedure
procedure_start_date	date	Yes	The first day that this procedure can be used
procedure_end_date	date	Yes	The last day that this procedure can be used
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface table

3.1.19 O_PRODUCT

Content

Open Interface table O_PRODUCT contains all products that serviced members can subscribe to

Attributes

Column Name	Datatype	Null?	Description
product_code (PK)	nvarchar2(30 char)	No	Code of the product
product_descr	nvarchar2(200 char)	No	Description of the product
aggregation_level	nvarchar2(30 char)	Yes	The aggregation level of the product
brand_code	nvarchar2(30 char)	Yes	Code of the brand under which the product is sold
brand_descr	nvarchar2(200 char)	Yes	Description of the brand under which the product is sold
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface table

3.1.20 O_PROVIDER

Content

Open Interface table O_PROVIDER contains all individuals or organizations that provide health care services

Attributes

Column Name	Datatype	Null?	Description
provider_code (PK)	nvarchar2(61 char)	No	The unique code of the provider for external usage

provider_name	nvarchar2(60 char)	No	Name of the provider
provider_type	nvarchar2(10 char)	No	Specifies the type of provider, allowable values are: ORPR for organization provider and INPR for individual provider
country_code	nvarchar2(2 char)	Yes	Code of the country where the provider lives
country_name	nvarchar2(60 char)	Yes	Name of the country where the provider lives
city	nvarchar2(60 char)	Yes	Name of the city where the provider lives
street	nvarchar2(60 char)	Yes	Name of the street where the provider lives
house_number	number(5,0)	Yes	House number of the street where the provider lives
number_addition	nvarchar2(30 char)	Yes	Addition of the house number
postal_code	nvarchar2(10 char)	Yes	Postal Code of where the provider lives
phone_number_business	nvarchar2(30 char)	Yes	Business Phone Number of the provider
region_code	nvarchar2(30 char)	Yes	Region code where a provider lives, for instance no go areas in cities
region	nvarchar2(30 char)	Yes	Region where a provider lives, for instance no go areas in cities
organization_code	nvarchar2(30 char)	Yes	The code of the provider organization where this provider is part of
organization_name	nvarchar2(60 char)	Yes	The name of the provider organization where this provider is part of
payee_code	nvarchar2(30 char)	Yes	The code of the relation that is the designated payee for the provider
payee_name	nvarchar2(60 char)	Yes	The name of the relation that is the designated payee for the provider
bank_account_number	nvarchar2(60 char)	Yes	The preferred bank account number of the provider
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface table

3.1.21 O_SPECIALTY

Content

Open Interface table O_SPECIALTY contains all specific health care competencies of a provider

Attributes

Column Name	Datatype	Null?	Description
-------------	----------	-------	-------------

specialty_code (PK)	nvarchar2(30 char)	No	The unique code of the specialty
specialty_descr	nvarchar2(99 char)	No	The description of the specialty
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface table

3.1.22 O_STATUS

Content

Open Interface table O_STATUS contains all possible status of a claim during its lifetime

Attributes

Column Name	Datatype	Null?	Description
status_code (PK)	nvarchar2(30 char)	No	The code of the status
status_descr	nvarchar2(200 char)	No	The description of the status
status_sequence_nr	number(2,0)	No	Sequence number of the status
status_ind_initial	nvarchar2(1 char)	No	Indicates initial status
status_ind_final	nvarchar2(1 char)	No	Indicates final status
status_ind_manual	nvarchar2(1 char)	No	Indicates manual status
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface table.

3.1.23 O_STATUS_REASON

Content

Open Interface table O_STATUS_REASON contains all reasons why a claim can achieve a certain status

Attributes

Column Name	Datatype	Null?	Description
status_reason_code (PK)	nvarchar2(30 char)	No	The code of the status reason
status_reason_descr	nvarchar2(200 char)	No	The description of the status reason
clean_flg	nvarchar2(1 char)	Yes	Indicates clean or unclean
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Stores the date on which the record was inserted in the open interface table

3.1.24 O_OPEN_CLAIM_MESSAGE

Content

Open Interface table O_OPEN_CLAIM_MESSAGE contains the messages that have occurred on all claims that are still open.

Attributes

Column Name	Datatype	Null?	Description
claim_code	nvarchar2(30 char)	No	Claim Identification generated by the system
claim_line_sequence	number	Yes	Unique identifier of the claim line within the context of a claim
message_code	nvarchar2(40 char)	No	Message code as provided on the canonical message
last_changed_dt	timestamp(9)	No	Stores the date on which the record was last changed in the source system
o_insert_dt	date	No	Date of the insert

3.1.25 O_ADJUSTMENT_REASON

Content

Open Interface table O_ADJUSTMENT_REASON contains the set of possible reasons why a finalized claim is unfinalized and processed again

Attributes

Column Name	Datatype	Null?	Description
adjustment_reason_code (PK)	nvarchar2(30 char)	No	The code of the adjustment reason
adjustment_reason_descr	nvarchar2(200 char)	No	The description of the adjustment reason
adjustment_reason_ext_code	nvarchar2(30 char)	Yes	The external code of the adjustment reason
last_changed_date	timestamp(9)	No	Date and time of the last update of this record
o_insert_dt	date	No	Date and time of the insert

3.2 Dimension tables

This paragraph shows an overview of all dimensions that are available. Per dimension is described in which fact table they are available and what type dimension it will be. There are two types that we distinguish:

- Type 1: Old data will always be overwritten with new data, historical dimension data is not available
- Type 2: When information in the source system has changed, the old situation is closed (end date validity will be filled) and a new dimension record is created with the current state

Some static Type 1 Dimensions are only loaded once; during the setup of the system.

To provide flexibility to each dimension table 30 flexfields have been added; 10 character based, 10 data based and 10 number based. The contents of these flexfields will be loaded from the corresponding Open Interface Layer tables. For readability reasons these flexfield columns have not been included in the documentation in the next paragraphs. The naming conventions of the columns are as follows: <alias>_DYN_CHAR_VALUE_<sequence>, <alias>_DYN_NR_VALUE_<sequence> and <alias>_DYN_DATE_VALUE_<sequence> with sequence ranging from 0 through 9.

Overview

Dimension	Open Claims (page 65)	Claims per Day (page 65)	Claim Status History (page 58)	Finalized Claim Line (page 61)	Claim Line Coverage (page 52)	Claim Message (page 54)	Dimension type	Loaded by
Adjustment reason (page 29)				X			Type 1	Interface
Age group (page 45)				X			Type 1 - Static	Procedure
Claimant ¹	X		X	X	X	X	Type 2	Interface
Claim form ²	X	X	X	X	X	X	Type 1	Interface
Claim type ³	X	X	X	X	X	X	Type 1 - Static	Procedure
Coverage label ⁴					X		Type 1	Interface
As of Date (page 31)		X					Type 1 - Static	Procedure
Date - claimed (page 31)				X			Type 1 - Static	Procedure
Date - due (page 31)	X		X	X			Type 1 - Static	Procedure
Date - entered ⁵				X			Type 1 - Static	Procedure
Date - finalized (page 31)			X	X	X	X	Type 1 - Static	Procedure
Date - original finalized date (page 31)				X			Type 1 - Static	Procedure
Date - estimated pay date (page 31)	X						Type 1 - Static	Procedure
Date - paid ⁶				X			Type 1 - Static	Procedure
Date - received ⁷	X		X	X			Type 1 - Static	Procedure
Date - service start date ⁸				X	X	X	Type 1 - Static	Procedure
Date - service end date ⁹				X	X	X	Type 1 - Static	Procedure

Diagnosis ¹⁰				X	X	X	Type 1	Interface
Employee (page 27)	X		X				Type 2	Interface
Member ¹¹				X			Type 2	Interface
Message (page 31)						X	Type 1	Interface
Message origin (page 30)						X	Type 1	Interface
Product ¹²					X	X	Type 2	Interface
Procedure (page 42)				X	X	X	Type 1	Interface
Service provider ¹³				X	X	X	Type 2	Interface
Provider location ¹⁴				X	X	X	Type 2	Interface
Specialty (page 50)				X			Type 1	Interface
Status ¹⁵	X		X				Type 1 - Static	Procedure
Status reason (page 28)			X				Type 1 - Static	Procedure

3.2.1 W_EMPLOYEE_D

Description

The employee dimension provides information about the employees of the healthcare payer that process the claim.

Table definition

Column Name	Datatype	Null?	Description	Mapping
row_wid (PK)	number	No	Unique ID of the Employee	Sequence generated
empl_all_code	nvarchar2(3)	Yes	Code of ALL level	Constant 'ALL'
empl_all_descr	nvarchar2(200)	Yes	Description of ALL level	Constant 'All Employees'
empl_team_code	nvarchar2(30)	Yes	Code of the team of the employee	o_employee team_code
empl_team_descr	nvarchar2(200)	Yes	Description of the team of the employee	o_employee team_descr
empl_code	nvarchar2(30)	Yes	Code of the employee	o_employee employee_code
empl_name	nvarchar2(200)	Yes	Name of the employee	o_employee employee_name
last_changed_dt	timestamp(9)	Yes	Last changed date	employee last_changed_dt

etl_proc_wid	number	Yes	System field. This column is the unique identifier for the specific ETL process used to create or update this data.	System generated
w_insert_dt	date	Yes	Stores the date on which the record was inserted in the data warehouse table.	System generated
w_update_dt	date	Yes	Stores the date on which the record was last updated in the data warehouse table.	System generated
effective_date	date	Yes	(SCD2) Date from which the data in the record is effective.	System generated
expiration_date	date	Yes	(SCD2) Date until which the data in the record is effective.	System generated
current_flg	number(7)	Yes	(SCD2) Indicates current version of record.	System generated

ETL components that are used to load the Dimension table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	o_employee	s_employee_i	
2	s_employee_i	s_employee_o	
3	s_employee_o	w_employee_d	

3.2.2 W_STATUS_REASON_D

Description

The dimension status reasons contains all possible reasons a claims can be in a particular status.

Table definition

Column Name	Datatype	Null?	Description	Mapping
row_wid (PK)	number	No	Dimension key	Sequence generated
srsn_all_code	nvarchar2(3)	Yes	Code of ALL level	Constant 'ALL'
srsn_all_descr	nvarchar2(200)	Yes	Description of ALL level	Constant 'All Status Reasons'
srsn_code	nvarchar2(30)	Yes	The code of the status reason	o_status_reason status_reason_code
srsn_descr	nvarchar2(200)	Yes	The description of the status reason	o_status_reason status_reason_descr
srsn_clean_flg	nvarchar2(1)	Yes	Indicate clean claim.	o_status_reason clean_flg
last_changed_dt	timestamp(9)	Yes	Last changed date in the source system	o_status_reason last_changed_date

etl_proc_wid	number	Yes	System field. This column is the unique identifier for the specific ETL process used to create or update this data.	System generated
w_insert_dt	date	Yes	Stores the date on which the record was inserted in the data warehouse table.	System generated
w_update_dt	date	Yes	Stores the date on which the record was last updated in the data warehouse table.	System generated

ETL components that are used to load the Dimension table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	o_status_reason	s_status_reason_i	
2	s_status_reason_i	s_status_reason_o	
3	s_status_reason_o	w_status_reason_d	

3.2.3 W_ADJUSTMENT_REASON_D

Description

The adjustment reason dimension provides information about the reason of adjustment of the claim.

Table definition

Column Name	Datatype	Null?	Description	Mapping
row_wid (PK)	number	No	Dimension Key	Sequence generated
adrn_all_code	nvarchar2(30)	Yes	The all code of the adjustment reason	Constant 'ALL'
adrn_all_descr	nvarchar2(200)	Yes	The all description of the adjustment reason	Constant 'All adjustment reasons'
adrn_code (UK)	nvarchar2(30)	Yes	The code of the adjustment reason	o_adjustment_reason adjustment_reason_code
adrn_descr	nvarchar2(200)	Yes	The description of the adjustment reason	o_adjustment_reason adjustment_reason_descr
adrn_ext_code	varchar2	Yes	The external code of the adjustment reason	o_adjustment_reason adjustment_reason_ext_code
last_changed_dt	timestamp(9)	Yes	Date and time of the last update of this record	o_adjustment_reason last_changed_date
etl_proc_wid	number	Yes	The unique identified to the ETL process	w_etl_param
w_insert_dt	date	Yes	The data warehouse who column. It stores the date and time on which the record was inserted.	sysdate
w_update_dt	date	Yes	The data warehouse who column. It stores the date and time on which the record was updated.	sysdate

ETL components that are used to load the Dimension table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	o_adjustment_reason	s_adjustment_reason_i	
2	s_adjustment_reason_i	s_adjustment_reason_o	
3	s_adjustment_reason_o	w_adjustment_reason_d	

3.2.4 W_MESSAGE_ORIGIN_D

Description

The dimension Message origin contains all information about the origin of the message.

Table definition

Column Name	Datatype	Null?	Description	Mapping
row_wid (PK)	number	No	Dimension key	Sequence generated
meor_all_code	nvarchar2(3)	Yes	The all code of the message origin	Constant 'ALL'
meor_all_descr	nvarchar2(200)	Yes	The all description of the message origin	Constant 'All message origins'
meor_code	nvarchar2(30)	Yes	The code of the message origin	o_message_origin message_origin_code
meor_descr	nvarchar2(200)	Yes	The description of the message origin	o_message_origin message_origin_descr
last_changed_dt	timestamp(9)	Yes	Stores the date on which the record was last changed in the source system	o_message_origin last_changed_date
etl_proc_wid	number	Yes	System field. This column is the unique identifier for the specific ETL process used to create or update this data.	System generated
w_insert_dt	date	Yes	Stores the date on which the record was inserted in the data warehouse table.	System generated
w_update_dt	date	Yes	Stores the date on which the record was updated in the data warehouse table.	System generated

ETL components that are used to load the Dimension table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	o_message_origin	s_message_origin_i	
2	s_message_origin_i	s_message_origin_o	
3	wd_meor_so_meor	s_message_origin_o	

3.2.5 W_MESSAGE_D

Description

The dimension Message contains all information about the claim and claimline messages.

Table definition

Column Name	Datatype	Null?	Description	Mapping
row_wid (PK)	number	No	Dimension key	Sequence generated
mess_all_code	nvarchar2(3)	Yes	The message all code	Constant 'ALL'
mess_all_descr	nvarchar2(200)	Yes	The message all description	Constant 'All messages'
mess_code	nvarchar2(40)	Yes	The code of the message	o_message message_code
mess_severity	nvarchar2(1)	Yes	The severity of the message	o_message severity
mess_descr	nvarchar2(500)	Yes	The description of the message	o_message message
mess_remarks	nvarchar2(4000)	Yes	The remarks of the message	o_message remarks
etl_proc_wid	number	Yes	System field. This column is the unique identifier for the specific ETL process used to create or update this data.	System generated
w_insert_dt	date	Yes	Stores the date on which the record was inserted in the data warehouse table.	System generated
w_update_dt	date	Yes	Stores the date on which the record was updated in the data warehouse table.	System generated
last_changed_dt	timestamp(9)	Yes	Stores the date on which the record was last changed in the source system	System generated

ETL components that are used to load the Dimension table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	o_message	s_message_i	
2	s_message_i	s_message_o	
3	s_message_o	w_message_d	

3.2.6 W_DAY_D

Description

The date dimension contains information about the dates. A record is available per date. The key of this dimension is a numerical representation of the date. All attributes in the dimension record are providing more information about the date.

During implementation of the system the table W_DAY_D will be filled with all dates between 01-01-1980 and 31-12-2029.

Table definition

Column Name	Datatype	Null?	Description
row_wid	number	No	This uniquely identifies a day record in this table. The ROW_WID is generated by formatting date in YYYYMMDD format.
calendar_date	date	Yes	Identifies the calendar date.
cal_half	number(2)	Yes	Identifies the calendar halfyear this day belongs to. Possible values are 1 and 2.
cal_month	number(2)	Yes	Identifies the calendar month in MM format.
cal_qtr	number(1)	Yes	Identifies the calendar quarter this day belongs to. Possible values are 1, 2, 3, and 4.
cal_trimester	number(1)	Yes	Identifies the calendar trimester this day belongs to. Possible values are 1, 2 and 3.
cal_week	number(2)	Yes	Identifies the calendar week this day belongs to. Possible values are 1 through 53.
cal_year	number(4)	Yes	Identifies the calendar year in YYYY format.
day_ago_dt	date	Yes	Previous Day Date
day_ago_wid	number	Yes	Surrogate key of previous day
day_dt	date	Yes	Calendar date of the day
day_name	nvarchar2(120)	Yes	Identifies the name of the day. Sunday, Monday, Tuesday, etc.
day_of_month	number(2)	Yes	Identifies the day of month. Possible values are 1 through 31.
day_of_week	number(1)	Yes	Identifies the day of week. Possible values are 1 through 7.
day_of_year	number(3)	Yes	Identifies the day of the Year. Possible values are 1 through 366.
ent_day_of_period	number(2)	Yes	Identifies the day of the fiscal month. For e.g. 1, 2, ...25, ...28 etc
ent_day_of_week	number(2)	Yes	Identifies the day of the fiscal week. For e.g. 1, 2, ...7, etc.
ent_day_of_year	number(3)	Yes	Identifies the day of the fiscal year. For e.g. 1, 2, ...300, etc.
ent_half	number(1)	Yes	Identifies the half of fiscal year this day belongs to. Possible values are 1 and 2.
ent_period	number(2)	Yes	Identifies the fiscal month this day belongs to. Possible values are 1 through 12.
ent_qtr	number(1)	Yes	Identifies the fiscal quarter this day belongs to. Possible values are 1,2, 3 and 4.

ent_trimester	number(10)	Yes	Identifies the fiscal trimester this day belongs to. Possible values are 1, 2 and 3.
ent_week	number(2)	Yes	Identifies the fiscal week this day belongs to. Possible values are 1 through 52.
ent_year	number(4)	Yes	Identifies the fiscal year this day belongs to.
half_ago_dt	date	Yes	Identifies the Date of the day half-a year ago.
half_ago_wid	number	Yes	Surrogate key of half-year ago date.
julian_day_num	number(10)	Yes	Identifies the date in Julian format
julian_month_num	number(10)	Yes	Identifies the Julian month number this day belongs to
julian_qtr_num	number(10)	Yes	Identifies the Julian quarter Number this day belongs to
julian_ter_num	number(10)	Yes	Identifies the Julian trimester number this day belongs to
julian_week_num	number(10)	Yes	Identifies the Julian week number this day belongs to
julian_year_num	number(10)	Yes	Identifies the Julian year this day belongs to.
month_ago_dt	date	Yes	Identifies the date of the day a month ago
month_ago_wid	number	Yes	Identifies the date, in YYYYMMDD format, of the day a month ago
month_name	nvarchar2(120)	Yes	Identifies the name of the month this day belongs to. Possible values are January through December.
period_key	number(10)	Yes	Identifies the period key of this day in YYYYMMDD format.
per_name_ent_half	nvarchar2(200)	Yes	Identifies the fiscal half-year period name. For e.g. 1980 Half1, 1980 Half2, etc.
per_name_ent_period	nvarchar2(200)	Yes	Identifies the fiscal month Period Name in YYYY/MM format. For e.g. "1980 / 01", "1980 / 10", etc.
per_name_ent_qtr	nvarchar2(200)	Yes	Identifies the fiscal quarter period name. For e.g. "1980 Q 1"
per_name_ent_ter	nvarchar2(200)	Yes	Identifies the fiscal trimester period name. For e.g. "1980T1"
per_name_ent_week	nvarchar2(200)	Yes	Identifies the fiscal week period name. For e.g. "1980 Week01"
per_name_ent_year	nvarchar2(200)	Yes	Identifies the Fiscal year period name in YYYY format. For e.g. "1980"
per_name_half	nvarchar2(200)	Yes	Identifies the calendar half year period name. For e.g. "1979 Half2".

per_name_month	nvarchar2(200)	Yes	Identifies the calendar month period name. For e.g. "1979 / 12".
per_name_qtr	nvarchar2(200)	Yes	Identifies the calendar quarter period name. For e.g. "1979 Q 4".
per_name_ter	nvarchar2(200)	Yes	Identifies the calendar trimester period name. For e.g. "1979T3"
per_name_week	nvarchar2(200)	Yes	Identifies the calendar week period Name. For e.g. "1979 Week53"
per_name_offset_wk	nvarchar2(200)	Yes	Identifies the calendar offset week period Name. For e.g. "1979 Week53"
per_name_year	nvarchar2(200)	Yes	Identifies the calendar year period name in YYYY format. For e.g. "1979".
quarter_ago_dt	date	Yes	Identifies the date of the day a quarter ago (same day three months before).
quarter_ago_wid	number	Yes	Identifies the date, in YYYYMMDD format, of the day a quarter ago (same day three months before).
trimester_ago_dt	date	Yes	Identifies the date of the day a trimester ago(same day four months before).
trimester_ago_wid	number	Yes	Identifies the date, in YYYYMMDD format, of the day a trimester ago (same day four months before)
week_ago_dt	date	Yes	Identifies the date of the day a week ago.
week_ago_wid	number	Yes	Identifies the date, in YYYYMMDD format, of the day a week ago.
year_ago_dt	date	Yes	Identifies the date, a year ago (same day the previous year).
year_ago_wid	number	Yes	Identifies the date, in YYYYMMDD format, of the day a year ago.
m_end_cal_dt_wid	number	Yes	Identifies the last day, in YYYYMMDD format, of the month this day belongs to
m_strt_cal_dt_wid	number	Yes	Identifies the first day, in YYYYMMDD format, of the month this day belongs to
cal_week_end_dt_wid	number	Yes	Identifies the last day, in YYYYMMDD format, of the week this day belongs to
cal_week_start_dt_wid	number	Yes	Identifies the first day, in YYYYMMDD format, of the week this day belongs to
cal_qtr_end_dt_wid	number	Yes	Identifies the last day, in YYYYMMDD format, of the quarter this day belongs to

cal_qtr_start_dt_wid	number	Yes	Identifies the first day, in YYYYMMDD format, of the quarter this day belongs to
cal_year_end_dt_wid	number	Yes	Identifies the last day, in YYYYMMDD format, of the year this day belongs to
cal_year_start_dt_wid	number	Yes	Identifies the first day, in YYYYMMDD format, of the Year this day belongs to
fst_day_cal_wk_flg	char(4)	Yes	Identifies if this day is the first day of the calendar week.
last_day_cal_wk_flg	char(4)	Yes	Identifies if this day is the last day of the calendar week.
fst_day_cal_mnth_flg	char(4)	Yes	Identifies if this day is the first day of the calendar month.
last_day_cal_mnth_flg	char(4)	Yes	Identifies if this day is the last day of the calendar month.
fst_day_cal_qtr_flg	char(4)	Yes	Identifies if this day is the first day of the calendar quarter.
last_day_cal_qtr_flg	char(4)	Yes	Identifies if this day is the last day of the calendar quarter.
fst_day_cal_year_flg	char(4)	Yes	Identifies if this day is the first day of the calendar Year
last_day_cal_year_flg	char(4)	Yes	Identifies if this day is the last day of the calendar year.
ent_week_start_dt	date	Yes	Identifies the start date of the fiscal week.
ent_week_end_dt	date	Yes	Identifies the end date of the fiscal week.
ent_period_start_dt	date	Yes	Identifies the start date of the fiscal month.
ent_period_end_dt	date	Yes	Identifies the end date of the fiscal month.
ent_qtr_start_dt	date	Yes	Identifies the first date of the fiscal quarter.
ent_qtr_end_dt	date	Yes	Identifies the last date of the fiscal quarter.
ent_year_start_dt	date	Yes	Identifies the first date of the fiscal year.
ent_year_end_dt	date	Yes	Identifies the last date of the fiscal year.
ent_week_start_dt_wid	number	Yes	Identifies the first day, in YYYYMMDD format, of the fiscal week.
ent_week_end_dt_wid	number	Yes	Identifies the last day, in YYYYMMDD format, of the fiscal week.
ent_period_start_dt_wid	number	Yes	Identifies the first day, in YYYYMMDD format, of the fiscal month.
ent_period_end_dt_wid	number	Yes	Identifies the last day, in YYYYMMDD format, of the fiscal month.
ent_qtr_start_dt_wid	number	Yes	Identifies the first day, in YYYYMMDD format, of the fiscal quarter.

ent_qtr_end_dt_wid	number	Yes	Identifies the last day, in YYYYMMDD format, of the fiscal quarter.
ent_year_start_dt_wid	number	Yes	Identifies the first day, in YYYYMMDD format, of the fiscal year.
ent_year_end_dt_wid	number	Yes	Identifies the last day, in YYYYMMDD format, of the fiscal year.
ent_dim_qtr_num	number(3)	Yes	It is a cumulative number starting from 1 for the first Fiscal Quarter of the first Fiscal Year and keeps on adding up through the years
ent_dim_period_num	number(5)	Yes	It is a cumulative number starting from 1 for the first Fiscal Month of the first Fiscal Year and keeps on adding up through the years.
ent_period_week_num	number(1)	Yes	Identifies the week of the Fiscal Month this day belongs to. Possible values are 1 through 52.
ent_dim_week_num	number(6)	Yes	It is a cumulative number starting from 1 for the first Fiscal Week of the first Fiscal Year and keeps on adding up through the years.
ent_dim_year_num	number(4)	Yes	It is a cumulative number starting from 1 for the first Fiscal Year and keeps on adding up through the years.
w_current_cal_day_code	nvarchar2(200)	Yes	This is the code which indicates whether the Day is Current or Next or Previous to the current day. This code gets updated everyday and the default value is '?'.
w_current_cal_week_code	nvarchar2(200)	Yes	This is the code which indicates whether the Week is Current or Next or Previous to the current week. This code gets updated everyday and the default value is '?'.
w_current_cal_month_code	nvarchar2(200)	Yes	This is the code which indicates whether the Month is Current or Next or Previous to the current month. This code gets updated everyday and the default value is '?'.
w_current_cal_qtr_code	nvarchar2(200)	Yes	This is the code which indicates whether the Quarter is Current or Next or Previous to the current quarter. This code gets updated everyday and the default value is '?'.
w_current_cal_year_code	nvarchar2(200)	Yes	This is the code which indicates whether the Year is Current or Next or Previous to the current year. This code gets updated everyday and the default value is '?'.

w_current_ent_week_code	nvarchar2(200)	Yes	This is the code which indicates whether the Fiscal Week is Current or Next or Previous to the current Fiscal week. This code gets updated everyday and the default value is '?'.
w_current_ent_period_code	nvarchar2(200)	Yes	This is the code which indicates whether the Fiscal Month is Current or Next or Previous to the current Fiscal month. This code gets updated everyday and the default value is '?'.
w_current_ent_qtr_code	nvarchar2(200)	Yes	This is the code which indicates whether the Fiscal Quarter is Current or Next or Previous to the current Fiscal Quarter. This code gets updated everyday and the default value is '?'.
w_current_ent_year_code	nvarchar2(200)	Yes	This is the code which indicates whether the Fiscal Year is Current or Next or Previous to the current Fiscal Year. This code gets updated everyday and the default value is '?'.
fst_day_ent_week_flg	char(4)	Yes	This flag indicates if the day is First Day of the Fiscal Week or not.
last_day_ent_week_flg	char(4)	Yes	This flag indicates if the day is Last Day of the Fiscal Week or not.
fst_day_ent_period_flg	char(4)	Yes	This flag indicates if the day is First Day of the Fiscal Month or not.
last_day_ent_period_flg	char(4)	Yes	This flag indicates if the day is Last Day of the Fiscal Month or not.
fst_day_ent_qtr_flg	char(4)	Yes	This flag indicates if the day is First Day of the Fiscal Quarter or not.
last_day_ent_qtr_flg	char(4)	Yes	This flag indicates if the day is Last Day of the Fiscal Quarter or not.
fst_day_ent_year_flg	char(4)	Yes	This flag indicates if the day is First Day of the Fiscal Year or not.
last_day_ent_year_flg	char(4)	Yes	This flag indicates if the day is Last Day of the Fiscal Year or not.
w_insert_dt	timestamp(9)	No	This column stores the date on which the record was inserted in the Data Warehouse table.
integration_id	nvarchar2(120)	Yes	Identifier used for integration with external system
w_update_dt	timestamp(9)	No	This column stores the date on which the record was last updated in the Data Warehouse table.

tenant_id	nvarchar2(320)	Yes	This column is the unique identifier for a Tenant in a multi-tenant environment. This would typically be used in an Application Service Provider (ASP) / Software As a Service (SOAS) model.
x_custom	nvarchar2(40)	Yes	This column is used as a generic field for customer extensions.

ETL components that are used to load the Dimension table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Mapping	Source tables	Target table	Comments
1	Procedure SYS_POPULATE_W_DAY_D		W_DAY_D	

3.2.7 W_CLAIM_TYPE_D

Description

The claim type dimension provides information about the kind of claim, two different claim types are possible:

- Member claim
- Provider claim

Table definition

Column Name	Datatype	Null?	Description	Mapping
row_wid (PK)	number	No	Dimension key	Sequence generated
clte_all_code	nvarchar2(3)	Yes	The all code of the claim type	Constant 'ALL'
clte_all_descr	nvarchar2(200)	Yes	The all description of the claim type	Constant 'All Claim Types'
clte_code	nvarchar2(2)	Yes	The code of the claim type	o_claim_type claim_type_code
clte_descr	nvarchar2(200)	Yes	The description of the claim type	o_claim_type claim_type_descr
last_changed_dt	timestamp(9)	Yes	Last changed date in the source system.	o_claim_type last_changed_dt
etl_proc_wid	number	Yes	System field. This column is the unique identifier for the specific ETL process used to create or update this data.	System generated
w_insert_dt	date	Yes	Stores the date on which the record was inserted in the data warehouse table.	System generated
w_update_dt	date	Yes	Stores the date on which the record was updated in the data warehouse table.	System generated

ETL components that are used to load the Dimension table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	o_claim_type	s_claim_type_i	
2	s_claim_type_i	s_claim_type_o	
3	wd_clte_so_clte	s_claim_type_o	

3.2.8 W_MEMBER_D

Description

The dimension Member contains all information about the claiming members. This dimension contains demographic information, geographic information and common characteristics of a member. Only members that have actually sent in a claim are available in the dimension.

Table definition

Column Name	Datatype	Null?	Description	Mapping
row_wid (PK)	number	No	Unique ID of the dimension.	Sequence generated
mubr_all_code	nvarchar2(3)	Yes	Code for ALL level	Constant 'ALL'
mubr_all_descr	nvarchar2(200)	Yes	Description of ALL level	Constant 'All Members'
mubr_country_code	nvarchar2(2)	Yes	Country Code	o_member country_code
mubr_country_name	nvarchar2(60)	Yes	Name of the country where the member lives	o_member country_name
mubr_region_code	nvarchar2(30)	Yes	Region Code	o_member region_code
mubr_region	nvarchar2(30)	Yes	Region where a member lives, for instance no go areas in cities	o_member region
mubr_city_code	nvarchar2(60)	Yes	City Code	o_member city_code
mubr_city	nvarchar2(60)	Yes	Name of the city where the member lives	o_member city
mubr_postal_code	nvarchar2(10)	Yes	Postal Code	o_member postal_code
mubr_postal	nvarchar2(10)	Yes	Postal Code of where the member lives	o_member postal
mubr_code	nvarchar2(30)	Yes	Unique identification of the member	o_member member_code
mubr_full_name	nvarchar2(90)	Yes	Full name of the member	o_member full_name
mubr_first_name	nvarchar2(30)	Yes	First name of the member	o_member first_name
mubr_initials	nvarchar2(20)	Yes	Initials of the member	o_member initials
mubr_middle_name	nvarchar2(60)	Yes	Middle name of the member	o_member middle_name
mubr_last_name	nvarchar2(60)	Yes	Last name of the member	o_member last_name

mubr_date_of_birth	date	Yes	Date of birth of the member	o_member_date_of_birth
mubr_gender	nvarchar2(1)	Yes	The gender of the person	o_member_gender
mubr_street	nvarchar2(60)	Yes	Name of the street where the member lives	o_member_street
mubr_house_number	number	Yes	House number of the street where the member lives	o_member_house_number
mubr_number_addition	nvarchar2(30)	Yes	Addition of the house number	o_member_number_additon
mubr_phone_number_business	nvarchar2(30)	Yes	Business Phone Number of the member	o_member_phone_number_business
mubr_bank_account_number	nvarchar2(60)	Yes	The preferred bank account number of the member	o_member_bank_account_number
etl_proc_wid	number	Yes	System field. This column is the unique identifier for the specific ETL process used to create or update this data.	System generated
w_insert_dt	date	Yes	Stores the date on which the record was inserted in the data warehouse table.	System generated
w_update_dt	date	Yes	Stores the date on which the record was last updated in the data warehouse table.	System generated
effective_date	date	Yes	(SCD2) Date from which the data in the record is effective.	System generated
expiration_date	date	Yes	(SCD2) Date until which the data in the record is effective.	System generated
last_changed_dt	timestamp(9)	Yes	Last changed date in the open interface layer.	o_member_last_changed_dt
current_flg	number(7)	Yes	(SCD2) Indicates current version of record.	System generated

ETL components that are used to load the Dimension table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	o_member	s_member_i	
2	s_member_i	s_member_o	
3	s_member_o	w_member_d	

3.2.9 W_COVERAGE_LABEL_D

Description

The coverage label dimension provides information about the kind of coverages that are used for a claim line that is processed.

Table definition

Column Name	Datatype	Null?	Description	Mapping
row_wid (PK)	number	No	Dimension Key	Sequence generated
cola_all_code	nvarchar2(3)	Yes	Code for ALL level	Constant 'ALL'
cola_all_descr	nvarchar2(200)	Yes	Description of ALL level	Constant 'All Coverage Labels'
cola_action_code	nvarchar2(30)	Yes	The type code of the label (cover or withhold)	o_coverage_label action_code
cola_action_descr	nvarchar2(200)	Yes	The type name of the label (cover or withhold)	o_coverage_label action_description
cola_label	nvarchar2	Yes	The label of the coverage	o_coverage_label coverage_label
cola_sequence	number	Yes	The sequence of the label for coverage results	o_coverage_label sequence
etl_proc_wid	number	Yes	System field. This column is the unique identifier for the specific ETL process used to create or update this data.	System generated
w_insert_dt	date	Yes	Stores the date on which the record was inserted in the data warehouse table.	System generated
w_update_dt	date	Yes	Stores the date on which the record was last updated in the data warehouse table.	System generated
last_changed_dt	timestamp(9)	Yes	Stores the date on which the record was last changed in the source system	o_coverage_label last_changed_dt

ETL components that are used to load the Dimension table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	o_coverage_label	s_coverage_label_i	
2	s_coverage_label_i	s_coverage_label_o	
3	s_coverage_label_o	w_coverage_label_d	

3.2.10 W_PRODUCT_D

Description

The dimension product provides information of the product that is used for creating the coverages during the claims process. This dimension is only available in the coverage subject area. This is due to the fact that products are used only at the detail level of coverages. A claim line can be covered by several coverages and several products.

Table definition

Column Name	Datatype	Null?	Description	Mapping
row_wid (PK)	number	No	Unique ID of the product dimension	Sequence generated

prod_all_code	nvarchar2(3)	Yes	Code of ALL level	Constant 'ALL'
prod_all_descr	nvarchar2(200)	Yes	Description of ALL level	Constant 'All Products'
prod_bran_code	nvarchar2(30)	Yes	Code of the brand under which the product is sold	o_product band_code
prod_bran_descr	nvarchar2(200)	Yes	Description of the brand under which the product is sold	o_product band_descr
prod_code	nvarchar2(30)	Yes	Code of the product	o_product product_code
prod_descr	nvarchar2(200)	Yes	Description of the product	o_product product_descr
prod_aggregation_level	nvarchar2(30)	Yes	The aggregation level of the product	o_product aggregation_level
etl_proc_wid	number	Yes	System field. This column is the unique identifier for the specific ETL process used to create or update this data.	System generated
w_insert_dt	date	Yes	Stores the date on which the record was inserted in the data warehouse table.	System generated
w_update_dt	date	Yes	Stores the date on which the record was last updated in the data warehouse table.	System generated
effective_date	date	Yes	(SCD2) Date from which the data in the record is effective.	System generated
expiration_date	date	Yes	(SCD2) Date until which the data in the record is effective.	System generated
last_changed_dt	timestamp(9)	Yes	Last changed date in the open interface layer.	o_product last_changed_dt
current_flg	number(7)	Yes	(SCD2) Indicates current version of record.	System generated

ETL components that are used to load the Dimension table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	o_product	s_product_i	
2	s_product_i	s_product_o	
3	s_product_o	w_product_d	

3.2.11 W_PROCEDURE_D

Description

The procedure dimension provides information about treatments.

Table definition

Column Name	Datatype	Null?	Description	Mapping
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row_wid (PK)	NUMBER	No	Unique ID of the procedure dimension	Sequence generated
proc_all_code	nvarchar2(3)	Yes	Code of ALL level	Constant 'ALL'
proc_all_descr	nvarchar2(200)	Yes	Description of ALL level	Constant 'All Procedures'
proc_row_id	number	Yes	Unique ID of the procedure	Sequence generated
proc_code	nvarchar2(61)	Yes	The unique code of the procedure	o_procedure procedure_code
proc_descr	nvarchar2(99)	Yes	The description of the procedure	o_procedure procedure_descr
proc_start_date	date	Yes	The first day that this procedure can be used	o_procedure start_date
proc_end_date	date	Yes	The last day that this procedure can be used	o_procedure end_date
last_changed_dt	timestamp(9)	Yes	Last changed date	o_procedure last_changed_dt
etl_proc_wid	number	Yes	System field. This column is the unique identifier for the specific ETL process used to create or update this data.	System generated
w_insert_dt	date	Yes	Stores the date on which the record was inserted in the data warehouse table.	System generated
w_update_dt	date	Yes	Stores the date on which the record was last updated in the data warehouse table.	System generated

ETL components that are used to load the Dimension table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	o_procedure	s_procedure_i	
2	s_procedure_i	s_procedure_o	
3	s_procedure_o	w_procedure_d	

3.2.12 W_PROVIDER_D

Description

The dimension provider contains information about the providers that carried out the treatments or act as location of the treatments.

Table definition

Column Name	Datatype	Null?	Description	Mapping
row_wid (PK)	number	No	Unique ID of the provider dimension	Sequence generated
prov_all_code	nvarchar2(3)	Yes	Code of ALL level	Constant 'ALL'
prov_all_descr	nvarchar2(200)	Yes	Description of ALL Level	Constant 'All Providers'

prov_subtype_code	nvarchar2(10)	Yes	Specifies the type of provider, allowable values are: ORPR for organization provider and INPR for individual provider	o_provider provider_type
prov_subtype_name	nvarchar2(10)	Yes	Specifies the type of provider, allowable values are: ORPR for organization provider and INPR for individual provider	o_provider provider_type
prov_code	nvarchar2(61)	Yes	The unique code of the provider for external usage	o_provider provider_code
prov_name	nvarchar2(60)	Yes	Name fo the provider	o_provider provider_name
prov_country_code	nvarchar2(2)	Yes	Country Code	o_provider country_code
prov_country_name	nvarchar2(60)	Yes	Name of the country where the provider lives	o_provider country_name
prov_city_code	nvarchar2(60)	Yes	City Code	o_provider city_code
prov_city	nvarchar2(60)	Yes	Name of the city where the provider lives	o_provider city
prov_street	nvarchar2(60)	Yes	Name of the street where the provider lives	o_provider street
prov_house_number	number(5,0)	Yes	House number of the street where the provider lives	o_provider house_number
prov_number_addition	nvarchar2(30)	Yes	Addition of the house number	o_provider number_addition
prov_postal_code	nvarchar2(10)	Yes	Postal Code of where the provider lives	o_provider postal_code
prov_postal	nvarchar2(10)	Yes	Postal Code of where the provider lives	o_provider postal
prov_phone_number	nvarchar2(30)	Yes	Business Phone Number of the provider	o_provider phone_number_business
prov_region_code	nvarchar2(30)	Yes	Region Code	o_provider region_code
prov_region	nvarchar2(30)	Yes	Region where a provider lives, for instance no go areas in cities	o_provider region
prov_orpr_code	nvarchar2(30)	Yes	The code of the provider organization where this provider is part of	o_provider organization_code
prov_orpr_name	nvarchar2(60)	Yes	The name of the provider organization where this provider is part of	o_provider organization_name
prov_payee_code	nvarchar2(30)	Yes	The code of the relation that is the designated payee for the provider	o_provider payee_code
prov_payee_name	nvarchar2(60)	Yes	The name of the relation that is the designated payee for the provider	o_provider payee_name
prov_bank_account_number	nvarchar2(60)	Yes	The preferred bank account number of the provider	o_provider bank_account_number

effective_date	date	Yes	(SCD2) The date from which the record is effective	System generated
expiration_date	date	Yes	(SCD2) The data to which the record is effective.	System generated
w_insert_dt	date	Yes	Stores the date on which the record was inserted in the data warehouse table.	System generated
w_update_dt	date	Yes	Stores the date on which the record was last updated in the data warehouse table.	System generated
last_changed_dt	timestamp(9)	Yes	Last changed date in the source system	System generated
etl_proc_wid	number	Yes	System field. This column is the unique identifier for the specific ETL process used to create or update this data.	System generated
current_flg	number(7)	Yes	(SCD2) Indicates current version of record.	System generated

ETL components that are used to load the Dimension table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	o_provider	s_provider_i	
2	s_provider_i	s_provider_o	
3	s_provider_o	w_provider_d	

3.2.13 W_AGE_GROUP_D

Description

The age group dimension provides information about the age group of the member. Values range from 0 to 150 years.

This dimension is system generated

Table definition

Column Name	Datatype	Null?	Description	Mapping
row_wid (PK)	number	No	Dimension key	Sequence generated
agrp_all_code	varchar2(3 char)	Yes	Code of 'ALL' level	Constant 'ALL'
agrp_all_descr	varchar2(200 char)	Yes	Description of 'ALL' level	Constant 'All age groups'
agrp_code (UK)	number(3)	Yes	Code of the Age Group	Generated by procedure
agrp_age	number(3)	Yes	The age in years (0 through 150)	Generated by procedure

agrp_descr	nvarchar2(200)	Yes	The description of the age group: <ul style="list-style-type: none"> • 0 - Baby • 1 - 14: Child • 15 -18: Adolescent • 19 - 64: Adult • 65 -150: Senior 	Generated by procedure
agrp_descr_5	nvarchar2(200)	Yes	The age group in brackets of 5 years	Generated by procedure
agrp_descr_10	nvarchar2(200)	Yes	The age group in brackets of 10 years	Generated by procedure
agrp_descr_15	nvarchar2(200)	Yes	The age group in brackets of 15 years	Generated by procedure
last_changed_date	timestamp(9)	Yes	Last changed date in the source system.	System generated
etl_proc_wid	number	Yes	System field. This column is the unique identifier for the specific ETL process used to create or update this data.	System generated
w_insert_dt	date	Yes	Stores the date on which the record was inserted in the data warehouse table.	System generated
w_update_dt	date	Yes	Stores the date on which the record was last updated in the data warehouse table.	System generated

ETL components that are used to load the Dimension table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	o_age_group	s_age_group_i	
2	s_age_group_i	s_age_group_o	
3	s_age_group_o	w_age_group_d	

3.2.14 W_STATUS_D

Description

The dimension status contains all possible statuses for a claim. Examples of possible statuses are:

- Initial
- Manual adjudication
- Pricing done
- Change
- Finalized

Table definition

Column Name	Datatype	Null?	Description	Mapping
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row_wid (PK)	number	No	Dimension key	Sequence generated
stts_all_code	nvarchar2(30)	Yes	The all code of the status	Constant 'ALL'
stts_all_descr	nvarchar2(200)	Yes	The all description fo the status	Constant 'All Statuses'
stts_code	nvarchar2(30)	Yes	The code of the status	o_status status_code
stts_descr	nvarchar2(200)	Yes	The description of the status	o_status status_descr
stts_sequence_nr	number	Yes	The sequence number of the status	o_status sequence_nr
stts_ind_initial	nvarchar2(1)	Yes	Indicates initial status Y or N	o_status status_ind_initial
stts_ind_final	nvarchar2(1)	Yes	Indicates final status Y or N	o_status status_ind_final
stts_ind_manual	nvarchar2(1)	Yes	Indicates manual status Y or N	o_status status_ind_manual
last_changed_dt	timestamp(9)	Yes	Last changed date in the source system	o_status last_changed_dt
etl_proc_wid	number	Yes	System field. This column is the unique identifier for the specific ETL process used to create or update this data.	System generated
w_insert_dt	date	Yes	Stores the date on which the record was inserted in the data warehouse table.	System generated
w_update_dt	date	Yes	Stores the date on which the record was last updated in the data warehouse table.	System generated

ETL components that are used to load the Dimension table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	o_status	s_status_i	
2	s_status_i	s_status_o	
3	s_status_o	w_status_d	

3.2.15 W_CLAIM_FORM_D

Description

This dimension contains the forms that are possible for incoming claims. Possible values are 837D, 837I, 837P, ADA, CMS-1500 & UB04. This dimension is also used to describe the source of the claim (for instance EDI or paper).

Table definition

Column Name	Datatype	Null?	Description	Mapping
row_wid	number (PK)	No	Dimension key	Sequence generated
clfo_all_code	nvarchar2(3)	Yes	Code of ALL level	Constant 'ALL'

clfo_all_descr	nvarchar2(200)	Yes	Description of ALL level	Constant 'All Claim Forms'
clfo_code	nvarchar2(30)	Yes	The code of the claim form	o_claim_form claim_form_code
clfo_descr	nvarchar2(60)	Yes	The description of the paper claim form or EDI standard on which the claim was sent	o_claim_form claim_form_descr
clfo_source	nvarchar2(60)	Yes	The source of the claim (for instance EDI or paper)	o_claim_form claim_form_source
last_changed_dt	timestamp(9)	Yes	Stores the date on which the record was last changed in the source system	o_claim_form last_changed_dt
etl_proc_wid	number	Yes	System field. This column is the unique identifier for the specific ETL process used to create or update this data.	System generated
w_insert_dt	date	Yes	Stores the date on which the record was inserted in the data warehouse table.	System generated
w_update_dt	date	Yes	Stores the date on which the record was last updated in the data warehouse table.	System generated

ETL components that are used to load the Dimension table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	o_claim_form	s_claim_form_i	
2	s_claim_form_i	s_claim_form_o	
3	s_claim_form_o	w_claim_form_d	

3.2.16 W_CLAIMANT_D

Description

The dimension Claimant contains all information about the claiming members and providers. This dimension contains geographic information and common characteristics of a claimant.

Table definition

Column Name	Datatype	Null?	Description	Mapping
row_wid (PK)	number	No	Dimension key	Sequence generated
clmt_all_code	nvarchar2(3)	Yes	Code for ALL level	Constant 'ALL'
clmt_all_descr	nvarchar2(200)	Yes	Description of All level	Constant 'All claimants'
clmt_country_code	nvarchar2(2)	Yes	Code of the country where the claimant lives	o_claimant country_code
clmt_country_name	nvarchar2(60)	Yes	Name of the country where the claimant lives	o_claimant country_name

clmt_region_code	nvarchar2(30)	Yes	Region where a claimant lives, for instance no go areas in cities	o_claimant region_code
clmt_region	nvarchar2(30)	Yes	Region name where a claimant lives, for instance no go areas in cities	o_claimant region_name
clmt_city_code	nvarchar2(60)	Yes	Code of the city where the claimant lives	o_claimant city
clmt_city	nvarchar2(60)	Yes	Name of the city where the claimant lives	o_claimant city
clmt_postal_code	nvarchar2(10)	Yes	Postal Code of where the claimant lives	o_claimant postal_code
clmt_postal	nvarchar2(10)	Yes	Postal Code of where the claimant lives	o_claimant postal_code
clmt_code	nvarchar2(30)	Yes	Unique identification of the claimant	o_claimant claimant_code
clmt_full_name	nvarchar2(90)	Yes	Full name of the claimant	o_claimant full_name
clmt_first_name	nvarchar2(30)	Yes	First name of the claimant	o_claimant first_name
clmt_initials	nvarchar2(20)	Yes	Initials of the claimant	o_claimant initials
clmt_middle_name	nvarchar2(60)	Yes	Middle name of the claimant	o_claimant middle_name
clmt_last_name	nvarchar2(60)	Yes	Last name of the claimant	o_claimant last_name
clmt_date_of_birth	date	Yes	Date of birth of the claimant	o_claimant date_of_birth
clmt_street	nvarchar2(60)	Yes	Name of the street where the claimant lives	o_claimant street
clmt_house_number	number(5)	Yes	House number of the street where the claimant lives	o_claimant house_number
clmt_number_addition	nvarchar2(30)	Yes	Addition of the house number	o_claimant number_addition
clmt_phone_number_business	nvarchar2(30)	Yes	Business Phone Number of the claimant	o_claimant phone_number_business
clmt_bank_account_number	nvarchar2(60)	Yes	The preferred bank account number of the claimant	o_claimant bank_account_number
etl_proc_wid	number	Yes	System field. This column is the unique identifier for the specific ETL process used to create or update this data.	System generated
last_changed_dt	timestamp(9)	Yes	Last changed date in the source system	o_claimant last_changed_date
w_insert_dt	date	Yes	Stores the date on which the record was inserted in the data warehouse table.	System generated
w_update_dt	date	Yes	Stores the date on which the record was last updated in the data warehouse table.	System generated

effective_date	date	Yes	(SCD2) The date from which the record is effective	System generated
expiration_date	date	Yes	(SCD2) The data to which the record is effective.	System generated
current_flg	number(7)	Yes	(SCD2) Indicates current version of record.	System generated

ETL components that are used to load the Dimension table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	o_claimant	s_claimant_i	
2	s_claimant_i	s_claimant_o	
3	s_claimant_o	w_claimant_d	

3.2.17 W_SPECIALTY_D

Description

The specialty dimension contains information about the speciality of the provider in the claim line. The specialty can only be determined if it is specified explicitly on the claim line or if the provider only has one valid specialty.

Table definition

Column Name	Datatype	Null?	Description	Mapping
row_wid (PK)	number	No	Unique ID of the dimension	Sequence generated
spec_all_code	nvarchar2(3)	Yes	Code of ALL level	Constant 'ALL'
spec_all_descr	nvarchar2(200)	Yes	Description of ALL level	Constant 'All Specialties'
spec_code	nvarchar2(30)	Yes	The unique code of the specialty	o_specialty specialty_code
spec_descr	nvarchar2(99)	Yes	The description of the specialty	o_specialty specialty_descr
last_changed_dt	timestamp(9)	Yes	Last changed date	o_specialty last_changed_dt
etl_proc_wid	number	Yes	System field. This column is the unique identifier for the specific ETL process used to create or update this data.	System generated
w_insert_dt	date	Yes	Stores the date on which the record was inserted in the data warehouse table.	System generated
w_update_dt	date	Yes	Stores the date on which the record was last updated in the data warehouse table.	System generated

ETL components that are used to load the Dimension table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	o_specialty	s_specialty_i	
2	s_specialty_i	s_specialty_o	
3	s_specialty_o	w_specialty_d	

3.2.18 W_DIAGNOSIS_D

Description

The dimension diagnosis contains the diagnosis entered on a claim line. Only a primary diagnosis will be coupled to a claim line.

Table definition

Column Name	Datatype	Null?	Description	Mapping
row_wid (PK)	number	No	Unique ID of the dimension	Sequence generated
diag_all_code	nvarchar2(3)	Yes	Code of ALL level	Constant 'ALL'
diag_all_descr	nvarchar2(200)	Yes	Description of ALL level	Constant 'All diagnoses'
diag_code	nvarchar2(61)	Yes	Code of the diagnosis	o_diagnosis diagnosis_code
diag_descr	nvarchar2(99)	Yes	Description of the diagnosis	o_diagnosis diagnosis_descr
last_changed_dt	timestamp(9)	Yes	Last changed date	o_diagnosis last_changed_dt
etl_proc_wid	number	Yes	System field. This column is the unique identifier for the specific ETL process used to create or update this data.	System generated
w_insert_dt	date	Yes	Stores the date on which the record was inserted in the data warehouse table.	System generated
w_update_dt	date	yes	Stores the date on which the record was last updated in the data warehouse table.	System generated

ETL components that are used to load the Dimension table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	o_diagnosis	s_diagnosis_i	
2	s_diagnosis_i	s_diagnosis_o	
3	s_diagnosis_o	w_diagnosis_d	

3.3 Fact tables

This paragraph shows an overview of all fact tables that are available.

Most fact tables are loaded incrementally. This means that during an ETL loadrun only records are added to the fact tables, never updated or deleted.

An exception is tables W_OPEN_CLAIM_F. The content of table W_OPEN_CLAIM_F is refreshed during each loadrun since it contains a snapshot of all open claims at one given moment.

To provide flexibility to each fact table 30 flexfields have been added; 10 character based, 10 data based and 10 number based. The contents of these flexfields will be loaded from the corresponding Open Interface Layer tables. For readability reasons these flexfield columns have not been included in the documentation in the next paragraphs. The naming conventions of the columns are as follows: <alias>_DYN_CHAR_VALUE_<sequence>, <alias>_DYN_NR_VALUE_<sequence> and <alias>_DYN_DATE_VALUE_<sequence> with sequence ranging from 0 through 9.

3.3.1 W_CLAIM_LINE_COVERAGE_F

This paragraph describes the structure of the fact table claim line coverage.. Purpose of this fact table is to provide information about all coverages that are derived from the claims processing in the source system.

In this fact all the measures of a coverage can be analyzed by several dimensions like product, member and service for instance.

Possible questions that can be answered with this subject area are:

- How much is covered per product?
- What are the top 5 covered treatments in a product?
- How much is covered per product per age group?

Measures

This paragraph describes the measures that are available in coverage fact table.

- **Amount**
Amount of the coverage
- **Number of units**
Number of units of the coverage

Dimensions

This paragraph describes the dimensions that are available in this subject area. More information about a dimension can be found in the specific descriptions of the dimensions.

- [Start date service](#) (page 31)
- [End date service](#) (page 31)
- [Member](#) (page 39)
- [Service provider](#) (page 43)
- [Case](#) (page)
- [Diagnosis](#) (page 51)
- [Provider speciality](#) (page 50)
- [Age category](#) (page 45)
- [Service](#) (page)
- [Product](#) (page 41)
- [Coverage](#) (page 40)

Table definition

Column Name	Datatype	Null?	Description	Mapping
-------------	----------	-------	-------------	---------

row_wid (pk)	number	No	Unique identification of the claim line message, generated by the system.	Sequence generated
clco_claim_id	number	No	Identifying ID for this claim	o_claim claim_id
clco_claim_code	nvarchar2	No	Identifying code for the claim.	o_claim claim_code
clco_claim_version	number(4)	No	The version number of the transaction	o_claim claim_version
clco_claim_line_sequence	number	No	Claim Line unique identifier within the context of a claim	o_claim_line claim_line_sequence
clco_claim_external_code	nvarchar2	Yes	Identifying external code for the claim.	o_claim claim_external_code
clco_manual_processed_flg	nvarchar2	No	Indicates a manual or automatically processed claim	Analytic function in ETL: FLG is set to N if all statuses for a claim code/claim version are automatic statuses. FLG is set to Y if at least one status is a manual status for a claim code/claim version.
clco_amount	number	Yes	The amount	o_claim_line_coverage amount
clco_nr_of_units	number	Yes	The number of units	o_claim_line_coverage nr_of_units
clco cola_wid (F5)	number	No	Reference to the coverage label	o_claim_line_coverage coverage_label
clco_prod_wid (F8)	number	No	Reference to the product	o_claim_line_coverage product
clco_clte_wid (F6)	number	No	Reference to the claim type.	o_claim claim_type_code
clco_clfo_wid (F7)	number	No	Reference to the claim form.	o_claim claim_form_code
clco_diag_wid (F9)	number	No	Reference to the claim line diagnosis	o_claim_line diagnosis_code
clco_proc_wid (F10)	number	No	Reference to the claim line procedure	o_claim_line procedure_code
clco_prov_loc_wid (F11)	number	No	Reference to the claim line provider location	o_claim_line location_provider_code
clco_prov_serv_wid (F12)	number	No	Reference to the claim line provider who provided the service	o_claim_line service_provider_code
clco_clmt_wid (F1)	number	No	Referent to the claimant	o_claim claimant_code
clco_mnbr_wid (F13)	number	No	Reference to the member	o_claim_line member_code
clco_spec_wid (F14)	number	No	Referent to the specialty	o_claim_line specialty_code
clco_start_dt_wid (F2)	number	No	Reference to the start date at the claim line	o_claim_line start_dt
clco_end_dt_wid (F3)	number	No	Reference to the end date at the claim line level	o_claim_line end_dt

clco_finalized_dt_wid (F4)	number	No	Reference to the finalized date of the claim	o_claim.finalized_dt
insert_etl_proc_wid	number	No	System field. This column is the unique identifier for the specific ETL process used to create this data.	System generated
update_etl_proc_wid	number	No	System field. This column is the unique identifier for the specific ETL process used to update this data.	System generated
w_insert_dt	DATE	No	Stores the date on which the record was inserted in the data warehouse table.	System generated
w_update_dt	date	No	Stores the date on which the record was updated in the data warehouse table.	System generated
last_changed_dt	timestamp(9)	No	Stores the transaction date time of the claim	o_claim last_changed_dt

ETL components that are used to load the Fact table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	s_claim_line_coverage_o s_finalized_claim_line_o s_claim_o w_specialty_d w_provider_d w_product_d w_procedure_d w_member_d w_diagnosis_d w_coverage_label_d w_claim_type_d w_claim_form_d w_claimant_d w_day_d	w_claim_line_coverage_f	

3.3.2 W_CLAIM_MESSAGE_F

Description

This paragraph describes the structure of the fact table claim messages.. Purpose of this fact table is to provide information about the claim line messages and claim messages.

Dimensions

This paragraph describes the dimensions that are available in this fact table. More information about a dimension can be found in the specific descriptions of the dimensions.

- [Messages](#) (page 31)
- [Claim type](#) (page 38)
- [Claim form](#) (page 47)
- [Message origin](#) (page 30)
- [Product](#) (page 41)
- [Provider location](#) (page 43)
- [Provider service](#) (page 43)

- [Claimant](#) (page 48)
- [Start date](#) (page 31)
- [End date](#) (page 31)
- [Finalized date](#) (page 31)

Table definition

Column Name	Datatype	Null?	Description	Mapping
row_wid (PK)	number	No	Unique identification of the claim line message, generated by the systemtem.	Sequence generated
cmsg_claim_code	nvarchar2(30)	No	Identifying code for the claim.	o_claim claim_code
cmsg_claim_version	number(4)	No	The version number of the transaction	o_claim claim_version
cmsg_claim_external_code	nvarchar2(30)	Yes	Identifying external code for the claim.	o_claim claim_external_code
cmsg_claim_line_sequence	number	Yes	Claim Line unique identifier within the context of a claim	o_claim_line claim_line_sequence
cmsg_claim_level	nvarchar2(1)	No	Flag to indicate wether it is a message related to indicate whether it is a claim line message or claim message.	System generated
cmsg_text	nvarchar2(500)	Yes	The message text as presented internally, e.g. on a page (with substituted parameters)	o_claim_message message_text
cshi_manual_processed_flg	nvarchar2(1)	No	Indicates a manual or automatically processed claim	Analytic function in ETL: FLG is set to N if all statuses for a claim code/claim version are automatic statuses. FLG is set to Y if at least one status is a manual status for a claim code/claim version.
cmsg_nr_of_claim_messages	number	No	The number of messages	constant 1
cmsg_mess_wid (F1)	number	No	Reference to the message code as provided on the canonical message.	o_claim_message message_code
cmsg_clte_wid (F2)	number	No	Reference to the claim type.	o_claim claim_type_code
cmsg_clfo_wid (F3)	number	No	Reference to the claim form.	o_claim claim_form_code
cmsg_meor_wid (F4)	number	No	Reference to the specification in what interval of the claims processing flow the message was added	o_claim_message message_origin_code
cmsg_prod_wid (F5)	number	No	Reference to the product	o_claim_message product_code
cmsg_diag_wid (F6)	number	No	Reference to the claim line diagnosis	o_claim_line diagnosis_code

cmsg_proc_wid (F7)	number	No	Reference to the claim line procedure	o_claim_line procedure_code
cmsg_prov_loc_wid (F8)	number	No	Reference to the claim line provider location	o_claim_line service_provider_code
cmsg_prov_serv_wid (F9)	number	No	Reference to the claim line provider who provided the service	o_claim_line location_provider_code
cmsg_clmt_wid (F10)	number	No	Referenct to the claimant	o_claim claimant_code
cmsg_start_dt_wid (F11)	number	No	Reference to the start date at the claim line	o_claim_line start_dt
cmsg_end_dt_wid (F12)	number	No	Reference to the end date at the claim line level	o_claim_line end_dt
cmsg_finalized_dt_wid (F13)	number	No	Reference to the finalized date of the claim	o_claim finalized_dt
insert_etl_proc_wid	number	No	System field. This column is the unique identifier for the specific ETL process used to create this data.	System generated
update_etl_proc_wid	number	No	System field. This column is the unique identifier for the specific ETL process used to update this data.	System generated
w_insert_dt	date	No	Stores the date on which the record was inserted in the data warehouse table.	System generated
w_update_dt	date	No	Stores the date on which the record was updated in the data warehouse table.	System generated
last_changed_dt	timestamp(9)	No	Date and time of the last update of this record	o_claim last_changed_dt

ETL components that are used to load the Fact table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	s_claim_message_o s_claim_o s_finalized_claim_line_o w_message_d w_day_d w_provider_d w_product_d w_procedure_d w_messag_origin_d w_diagnosis_d w_claim_type_d w_claim_form_d w_claimant_d	w_claim_message_f	

3.3.3 W_CLAIMS_PER_DAY_F

To keep easily track of the number of claims that were received, finalized or open at any given day in the past a separate fact table has been introduced.

Measures

This paragraph describes the measures that are available in the claims per day fact table.

- **Number of claims received**
- **Number of claims finalized**
- **Number of claims open**
- **Number of claim lines received**
- **Number of claim lines finalized**
- **Number of claim lines open**
- **Total amount claimed**
- **Total amount covered**
- **Total amount open**

Dimensions

This paragraph describes the dimensions that are available in this subject area. More information about a dimension can be found in the specific descriptions of the dimensions.

- [Claim form](#)¹⁶
- [Claim type](#)¹⁷
- [As of date](#) (page 31)

Table definition

Column Name	Datatype	Null?	Description	Mapping
row_wid (PK)	number	No	Unique identification, generated by the system	Sequence generated
clpd_as_of_dt_wid (UK)	number	No	As of date of the snapshot - reference to the time dimension	o_claims_per_day as_of_dt
clpd_clte_wid (UK)	number	No	Reference to the claim type dimension	o_claims_per_day claim_type_code
clpd_clfo_wid (UK)	number	No	Reference to the claim form dimension	o_claims_per_day claim_form_code
clpd_nr_of_claims_received	number	No	Number of claims received	o_claims_per_day nr_of_claims_received
clpd_nr_of_claims_finalized	number	No	Number of claims finalized	o_claims_per_day nr_of_claims_finalized
clpd_nr_of_claims_open	number	No	Number of claims open	o_claims_per_day nr_of_claims_open
clpd_nr_of_lines_received	number	No	Number of claim lines received	o_claims_per_day nr_of_lines_received
clpd_nr_of_lines_finalized	number	No	Number of claim lines finalized	o_claims_per_day nr_of_lines_finalized
clpd_nr_of_lines_open	number	No	Number of claim lines open	o_claims_per_day nr_of_lines_open
clpd_total_amount_claimed	number(12,2)	No	The total amount claimed by the claimant	o_claims_per_day total_amount_claimed
clpd_total_amount_covered	number(12,2)	No	The total amount covered by the payer	o_claims_per_day total_amount_covered
clpd_total_amount_open	number(12,2)	No	The total amount still open	o_claims_per_day total_amount_open
insert_etl_proc_wid	number	No	System field. This column is the unique identifier for the specific ETL process used to create this data.	System generated

update_etl_proc_wid	number	No	System field. This column is the unique identifier for the specific ETL process used to update this data.	System generated
w_insert_dt	date	No	Stores the date on which the record was inserted in the data warehouse table.	System generated
w_update_dt	date	No	Stores the date on which the record was updated in the data warehouse table.	System generated

ETL components that are used to load the Fact tables

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	o_claims_per_day	s_claims_per_day_i	
2	s_claims_per_day_i	s_claims_per_day_o	
3	s_claims_per_day_o w_claim_form_d w_claim_type_d w_day_d	w_claims_per_day_f	

3.3.4 W_CLAIM_STATUS_HISTORY_F

Definition

The claim status history fact table should provide an overview of the the claims process history. All the different status that a processed claim was in are stored in this table. This gives the possibility to make analysis over the complete claims history. Below are several examples of possible analyses that can be made:

- How many claims did I receive per month for the past two years?
- How many claims did I process per week for the current year?
- What is the average number of days that was needed to complete a claim for a specific month and how is this average compared to other months?
- What is the average number of days that a claim was in a specific state and how does this average vary over a period of time?
- What is the average number of days that a claim is non clean for a certain month and how does this average vary over time?
- Which healthcare providers have an average process time for their claims that is much higher then the average process time for all health care providers?
- What are the reasons for non clean claims (rejected, delayed, denied or rejected) for a certain month and how does this average vary over time?

Measures

This paragraph describes the measures that are available in claims process fact table.

- **Number of claims**
Total number of claims
- **Number of claim lines**
Total number of claim lines in the selection
- **Claimed amount**
Total claimed amount of the claim lines that are selected

- **Number of days in process (*)**
Total number of days between the date of the first initial status and the final status or sysdate if the claim is not yet finalized.
- **Number of days in status (*)**
The total number of days that a claim line is in a specific status
- **Number of days clean (*)**
The total number of days that a claim line is clean
- **Number of days non clean (*)**
The total number of days that a claim line is non clean
- **Ranking of reasons (%) for non clean claims (pending, delayed, denied or rejected) and average number of days**

(*) These attributes are not implemented as columns in the fact table but are calculated in the BI server

Dimensions

This paragraph describes the dimensions that are available in this subject area. More information about a dimension can be found in the specific descriptions of the dimensions.

- [Claimant](#) (page 48)
- [Claim Form](#) (page 47)
- [Claim Type](#) (page 38)
- [Time - Date Received](#) (page 31)
- [Time - Due date](#) (page 31)
- [Time - Date Finished](#) (page 31)
- [Status](#) (page 46)

Table definition

Column Name	Datatype	Null?	Description	Mapping
row_wid (PK)	number	No	Unique id	Sequence generated
cshi_claim_code (UK1)	nvarchar2	No	Unique identification of the claim, generated by the system	o_claim claim_code
cshi_claim_version (UK2)	number	No	The version number of the transaction	o_claim claim_version
cshi_claim_external_code (UK2)	nvarchar2(30)	Yes	Identifying code for this claim which is defined outside of OHI BO	o_claim claim_external_code
date_time_start (UK1, UK2)	timestamp(9)	No	Timestamp the claim entered the current status	o_claim_status_history date_time_start
date_time_end	timestamp(9)	Yes	Timestamp the claim left the current status	Derived from o_claim_status_history. date_time_start of next tuple
cshi_correction_flg	nvarchar2	No	Is this a correction of an already finalized claim?	o_claim_status_history correction_flg

cshi_manual_processed_flg	nvarchar2	No	Indicates a manual or automatically processed claim	Analytic function in ETL: FLG is set to N if all statuses for a claim code/claim version are automatic statuses. FLG is set to Y if at least one status is a manual status for a claim code/claim version.
cshi_nr_of_claims	number	No	Dummy measure to count the number of claims. Value is always 1	Constant 1
cshi_nr_of_claim_lines	number	No	Number of claim lines of the claim	not a measure, o_claim.nr_of_claim_lines
cshi_total_claimed_amount	number	No	The total charged amount of the claim	not a measure, o_claim.total_claimed_amount
cshi_claimant_wid (F8)	number	No	Reference to the claimant dimension	o_claim_claimant_code
cshi_claim_form_wid (F2)	number	No	Reference to the claim form dimension	o_claim_claim_form_code
cshi_claim_type_wid (F1)	number	No	Reference to the claim type dimension	o_claim_claim_type_code
cshi_due_dt_wid (F5)	number	No	Date that the claim is due for payment	o_claim_due_dt if empty o_claim.finalized_dt
cshi_employee_wid (F3)	number	No	Reference to the employee dimension	o_claim_employee_code
cshi_finalized_dt_wid (F6)	number	No	Date the claim was finalized - reference to the time dimension	o_claim_finalized_dt
cshi_receipt_dt_wid (F7)	number	No	Date that the claim was received by the payer - reference to the time dimension	o_claim_receipt_dt
cshi_status_wid (F4)	number	No	Reference to the status dimension	o_claim_status_history_status_code
last_changed_dt	timestamp(9)	Yes	Stores the transaction date time of the claim	o_claim_status_history_last_changed_dt
insert_etl_proc_wid	number	No	System field. This column is the unique identifier for the specific ETL process used to create or update this data.	System generated
update_etl_proc_wid	number	No	System field. This column is the unique identifier for the specific ETL process used to update this data.	System generated
w_insert_dt	timestamp(9)	No	Stores the date on which the record was inserted in the data warehouse table.	System generated
w_update_dt	timestamp(9)	No	Technical column	System generated
cshi_status_reason_code_wid_1 (F9)	number	No	Technical column	o_claim_status_history_status_reason_code1
cshi_status_reason_code_wid_2 (F10)	number	No	Technical column	o_claim_status_history_status_reason_code2
cshi_status_reason_code_wid_3 (F11)	number	No	Technical column	o_claim_status_history_status_reason_code3

cshi_status_reason_code_wid_4 (F12)	number	No	Technical column	o_claim_status_history status_reason_code4
cshi_status_reason_code_wid_5 (F13)	number	No	Technical column	o_claim_status_history status_reason_code5
cshi_status_reason_code_wid_6 (F14)	number	No	Technical column	o_claim_status_history status_reason_code6
cshi_status_reason_code_wid_7 (F15)	number	No	Technical column	o_claim_status_history status_reason_code7
cshi_status_reason_code_wid_8 (F16)	number	No	Technical column	o_claim_status_history status_reason_code8
cshi_status_reason_code_wid_9 (F17)	number	No	Technical column	o_claim_status_history status_reason_code9
cshi_status_reason_code_wid_0 (F18)	number	No	Technical column	o_claim_status_history status_reason_code0

ETL components that are used to load the Fact table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	s_claim_status_history_o s_claim_o w_status_reason_d w_status w_employee_d w_claim_type_d w_claimant_d w_day_d	w_claim_status_history_f	

3.3.5 W_FINALIZED_CLAIM_LINE_F

Definition

The finalized claim line fact table can be uses to analyze all measures of a claim line by several dimensions like member, service and treatment date for instance.

Possible questions that can be answered with this subject area are:

- How much is claimed and paid per month?
- How much is claimed and not paid?
- How much is claimed and paid per service?
- How much is claimed and paid per state/residence?
- How much is claimed and paid per age group?
- How much service did a provider render in total and per member?
- Compare providers in the number of services rendered per provider
- How much service was rendered per service/per provider/per member/ per category?

Measures

This paragraph describes the measures that are available in the claim lines fact table.

- **Claimed amount**
The amount claimed by the claimant
- **Claimed number of units**
Claimed number of units within the context of the procedure

- **Member paid amount**
The amount that has already been paid by the serviced member
- **Allowed amount**
The total allowed amount provided by an external application
- **VAT amount**
The total tax amount as provided by an external pricing application
- **Covered amount**
The covered amount in total

Dimensions

This paragraph describes the dimensions that are available in this subject area. More information about a dimension can be found in the specific descriptions of the dimensions.

- [Finalized date](#) (page 31)
- [Original finalized date](#) (page 31)
- [Due date](#) (page 31)
- [Entry date - Date that the claim was entered into the system](#) (page 31)
- [Receipt date - Date that the claim was received by the payer](#) (page 31)
- [Claim date - Date of the claim as provided by the claimant](#) (page 31)
- [Paid date - Date that this claim was paid by the preceding payer](#) (page 31)
- [Procedure start date - Start date of procedure](#) (page 31)
- [Procedure end date - End date of procedure](#) (page 31)
- [Age group](#) (page 45)
- [Claimant](#) (page 48)
- [Claim type](#) (page 38)
- [Claim form](#) (page 47)
- [Diagnosis](#) (page 51)
- [Member](#) (page 39)
- [Procedure](#) (page 42)
- [Service provider](#) (page 43)
- [Provider location](#) (page 43)
- [Specialty](#) (page 50)

Table definition

column name	datatype	null?	description	mapping
row_wid (PK)	number	no	Unique identification of the finalized claim line, generated by the system	Sequence generated
fcli_claim_code (UK1)	nvarchar2(30)	no	Identifying code for this claimline.	o_claim_line claim_code
fcli_claim_version (UK1)	number(4,0)	no	The version number of the transaction.	o_claim_line claim_version
fcli_claim_line_sequence (UK1)	number(6,0)	no	Unique identifier within the context of a claim	o_claim_line claim_line_sequence
fcli_mutation_type (UK1)	nvarchar2(1)	no	Type of mutation: initial of reversal	It is reverse if the latest o_claim.version is not equal to the o_claim.version else it is initial

fcli_claim_id	number	no	Identifying id for this claim	o_claim_line claim_id
fcli_claim_external_code	nvarchar2(30)	no	Identifying code for this claim which is defined outside of OHI BO	o_claim_line claim_external_code
fcli_correction_flg	nvarchar2(1)	no	Indicates correction	o_claim_line.claim_version greater than 1 is correction
fcli_first_time_right_flg	nvarchar2(1)	no	Indicates if the process of the claim was the first time right.	Derived from o_claim_status_history and o_claim_status, if the value of o_status.status_sequence_nr of the chronological status history is ascending throughout the process then it is first time right
fcli_manual_processed_flg	nvarchar2(1)	no	Indicates a manual or automatically processed claim	Analytic function in ETL: flg is set to n if all statuses for a claim code/claim version are automatic statuses. flg is set to y if at least one status is a manual status for a claim code/claim version.
fcli_nr_of_claims	number	no	One divided by the number of claim lines	1 divided by the number of claim lines.
fcli_nr_of_lines	number(2,0)	no	Number of lines (1 or -1)	constant 1 or -1
fcli_claimed_amount	number(12,2)	yes	The amount claimed by the claimant	o_claim_line claimed_amount
fcli_claimed_number_of_units	number(12,6)	no	Claimed number of units within the context of the procedure	o_claim_line claimed_number_of_units
fcli_member_paid_amount	number(12,2)	yes	The amount that has already been paid by the serviced member	o_claim_line member_paid_amount
fcli_allowed_amount	number(12,2)	yes	The total allowed amount provided by an external application	o_claim_line allowed_amount
fcli_vat_amount	number(12,2)	yes	The total tax amount as provided by an external pricing application	o_claim_line vat_amount
fcli_covered_amount	number(12,2)	yes	The covered amount in total	o_claim_line covered_amount
fcli_finalized_dt_wid (F16)	number	yes	Timestamp the claim was 'finalized'	o_claim finalized_dt
fcli_original_finalized_dt_wid (F18)	number	no	Date of the first finalized date per claim external code	Date of the first finalized date per claim external code
fcli_due_dt_wid (F19)	number	no	Date that the claim is due for payment	o_claim.due_dt if empty o_claim_finalized_dt
fcli_entry_dt_wid (F6)	number	no	Date that the claim was entered into the system - reference to the time dimension	o_claim_line entry_dt

fcli_receipt_dt_wid (F14)	number	no	Date that the claim was received by the payer - reference to the time dimension	o_claim_receipt_dt
fcli_claim_dt_wid (F2)	number	no	Date of the claim as provided by the claimant - reference to the time dimension	o_claim_line_claim_dt
fcli_paid_dt_wid (F8)	number	no	date that this claim was paid by the preceding payer - reference to the time dimension	o_claim_line_paid_dt
fcli_start_dt_wid (F13)	number	no	Start date of procedure - reference to the time dimension	o_claim_line_start_dt
fcli_end_dt_wid (F5)	number	no	End date of procedure - reference to the time dimension	o_claim_line_end_dt
fcli_agrp_wid (F1)	number	no	Reference to the age group dimension	o_claimant_date_of_birth
fcli_clmt_wid (F3)	number	no	Reference to the claimant dimension	o_claim_claimant_code
fcli_clte_wid (F15)	number	no	Reference to the claim type dimension	o_claim_claim_type_code
fcli_clfo_wid (F17)	number	no		o_claim_claim_form_code
fcli_diag_wid (F4)	number	no	Reference to the diagnosis dimension	o_claim_line_diagnosis_code
fcli_mnbr_wid (F7)	number	no	Reference to the member dimension	o_claim_line_member_code
fcli_proc_wid (F9)	number	no	Reference to the procedure dimension	o_claim_line_procedure_code
fcli_prov_serv_wid (F11)	number	no	Service provider - reference to the provider dimension	o_claim_line_service_provider_code
fcli_prov_loc_wid (F10)	number	no	Location provider - reference to the provider dimension	o_claim_line_location_provider_code
fcli_spec_wid (F12)	number	no	Reference to the specialty dimension	o_claim_line_service_provider_code
insert_etl_proc_wid	number	no	System field. this column is the unique identifier for the specific ETL process used to create this data.	system generated
update_etl_proc_wid	number	no	System field. this column is the unique identifier for the specific ETL process used to update this data.	system generated
w_insert_dt	date	no	Stores the date on which the record was inserted in the data warehouse table.	system generated
w_update_dt	date	no	Stores the date on which the record was updated in the data warehouse table.	system generated
last_changed_dt	timestamp(9)	no	Stores the transaction date time of the claim	o_claim_last_changed_dt

ETL components that are used to load the Fact table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	s_finalized_claim_line_o w_finalized_claim_line s_claim_o w_day s_member_o w_specialty_d w_provider_d w_procedure_d w_member_d w_provider_d w_diagnosis_d w_claim_type_d w_claim_form_d w_claimant_d w_age_group_d	w_finalized_claim_line_f	
2	s_finalized_claim_line_o w_finalized_claim_line_f	w_finalized_claim_line_f	

3.3.6 W_OPEN_CLAIM_F

Definition

Purpose of the open claim fact table is to provide information about the open (= not yet finalized claims). The lowest granularity is the claim.

Possible questions that can be answered with this fact table are:

- What is the status of the open claims?
- How many claims will probably be finalized on time?
- What is the workload of the employees that are processing the claims?
- How much is claimed and not yet paid?

Measures

This paragraph describes the measures that are available in the open claims fact table.

- **Number of claims:** Number of claims
- **Number of claim lines:** Number of claim lines
- **Total claimed amount:** The total amount claimed by the claimant
- **Total covered amount:** The total amount covered by the payer

On daily basis the following measures are provided as well:

- Number of claims received
- Number of claims finalized
- Number of claims open
- Number of claim lines received
- Number of claim lines finalized
- Number of claim lines open
- The total amount claimed by the claimant
- The total amount covered by the payer

- The total amount still open

Dimensions

This paragraph describes the dimensions that are available in this subject area. More information about a dimension can be found in the specific descriptions of the dimensions.

- [Claimant](#)¹⁸
- [Claim form](#)¹⁹
- [Claim type](#)²⁰
- [Receipt date - Date that the claim was received by the payer](#)²¹
- [Entry date - Date that the claim was entered into the system](#)²²
- [Due date - Date that the claim is due to be paid](#)²³
- [Estimated finalize date - Estimated date the claim will be finalized - reference to the time dimension](#)²⁴
- [Employee - The employee that is processing the claim](#) (page 27)
- [Status - The current status of the claim](#) (page 46)

Table definition

column name	datatype	null?	description	mapping
row_wid (PK)	number	no	Unique identification of the open claim, generated by the system	Sequence generated
ocla_claim_id (UK1)	number	no	Identifying id for this claim	o_open_claim claim_id
ocla_claim_code (UK2)	nvarchar2(30)	no	Identifying code for this claim	o_open_claim claim_code
ocla_claim_external_code	nvarchar2(30)	yes	External claim code	o_open_claim claim_external_code
ocla_nr_of_claims	number	no	Number of claims	1
ocla_nr_of_lines	number	no	Number of claim lines	o_open_claim nr_of_claim_lines
ocla_total_claimed_amount	number(12,2)	yes	The total amount claimed by the claimant	o_open_claim total_claimed_amount
ocla_total_covered_amount	number(12,2)	yes	The total amount covered by the payer	o_open_claim total_covered_amount
ocla_receipt_dt_wid	number	no	Date that the claim was received by the payer - reference to the time dimension	o_open_claim receipt_dt
ocla_entry_dt_wid	number	no	Date that the claim was entered into the system - reference to the time dimension	o_open_claim entry_dt
ocla_due_dt_wid	number	no	Date that the claim is due to be paid - reference to the time dimension	o_open_claim due_dt
ocla_estimated_finalize_dt_wid	number	no	Estimated date the claim will be finalized - reference to the time dimension	Calculated based on o_open_claim.status_code, o_open_claim.status_time_start and historical data about average time in status.

ocla_clmt_wid	number	no	Reference to the claimant dimension	o_open_claim claimant_code
ocla_clte_wid	number	no	Reference to the claim type dimension	o_open_claim claim_type_code
ocla_clfo_wid	number	no	Reference to the claim form dimension	o_open_claim claim_form_code
ocla_stts_wid	number	no	Reference to the status dimension	o_open_claim status_code
ocla_status_time_start	timestamp(6)	no	Timestamp since the claim has the current status	o_open_claim status_time_start
ocla_employee_wid	number	no	Reference to the employee dimension	o_open_claim employee_code
insert_etl_proc_wid	number	no	System field. this column is the unique identifier for the specific ETL process used to create this data.	system generated
update_etl_proc_wid	number	no	System field. this column is the unique identifier for the specific ETL process used to update this data.	system generated
w_insert_dt	date	no	Stores the date on which the record was inserted in the data warehouse table.	system generated
w_update_dt	date	no	Stores the date on which the record was updated in the data warehouse table.	system generated
last_changed_dt	timestamp(9)	no	Stores the date on which the record was last changed in the source system	o_open_claim last_changed_dt

etl components that are used to load the fact tables

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	o_open_claim	s_open_claim_i	
2	s_open_claim_i	s_open_claim_o	
3	s_open_claim_o w_claimant_d w_claim_form_d w_claim_type_d w_day_d w_employee_d w_status_d	w_open_claim_f	

3.4 Helper tables

This paragraph shows an overview of all helper tables that are available.

Helper tables are used when there exists a many to many relationship between a fact and a dimension table. To maintain 'summarizability' of the measures of the fact table it is necessary to divide the measures by the number of records per fact record in the helper table.

3.4.1 W_STATUS_REASON_GRP_H

Description

The status reason group helper table implements a one to many relationship between claim status history fact table and the status reason dimension.

Table definition

Column Name	Datatype	Null?	Description	Mapping
row_wid (PK)	number	No	Unique identifier of the helper table that contains the status reasons group	Sequence generated
cshi_wid	number	No	Reference to claim status history fact table	Reference to the Claim Status History fact table (ROW_WID)
srsn_wid	number	No	Reference to the status reason dimension	Reference to the Status Reason Dimension (ROW_WID)
srgh_weighting_factor	number	No	Weighting factor that should be used for measures that are on claim status level	1 divided by the number of status reasons per claim status history line
date_time_start	timestamp(6)	No	Timestamp the claim entered the current status	o_claim_status_history date_time_start
etl_proc_wid	number	No	System field. This column is the unique identifier for the specific ETL process used to create or update this data.	System generated.
w_insert_dt	date	No	Stores the date on which the record was inserted in the data warehouse table.	System generated.
w_update_dt	date	No	Stores the date on which the record was last updated in the data warehouse table.	System generated.
last_changed_dt	timestamp(9)	No	Last changed date in the source system	

ETL components that are used to load the Helper table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	w_claim_status_history_f	w_status_reason_grp_h	

3.4.2 W_ADJUSTMENT_REASON_GRP_H

Description

The adjustment reason helper table implements a one to many relationship between the finalized claim line fact and the adjustment reason dimension.

Table definition

Column Name	Datatype	Null?	Description	Mapping
row_wid (PK)	number	No	Unique ID	Sequence generated
fcli_wid	number	No	Reference to the finalized claim line	Reference to the finalized claim line fact table (ROW_WID)
adrn_wid	number	No	Reference to the adjustment reason	Reference to Adjustment Reason Dimension (ROW_WID)
etl_proc_wid	number	No	System field. This column is the unique identifier for the specific ETL process used to create or update this data.	System generated
w_insert_dt	date	No	Stores the date on which the record was inserted in the data warehouse table.	System generated
w_update_dt	date	No	Stores the date on which the record was last updated in the data warehouse table.	System generated
last_changed_dt	timestamp(9)	No	Last changed date in the source system	w_claim_status_history_f last_changed_dt

ETL components that are used to load the Helper table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	s_claim_o w_finaliized_claim_line_f	w_adjustment_reason_grp_h	

3.4.3 W_OPEN_CLAIM_MESSAGE_GRP_H

Description

The open claim message helper table implements a one to many relationship between the open claim line fact and the message dimension.

Table definition

Column name	Datatype	Null?	Description	Mapping
row_wid (PK)	number	no	Unique id	sequence generated
ocla_wid (FK)	number	no	Reference to the open claim	reference to the open claim fact table (row_wid)
mess_wid (FK)	number	no	Reference to the message	reference to message dimension (row_wid)
ocms_claim_line_sequence	number	yes	Unique identifier within the context of a claim	w_open_claim_f ocms_claim_line_sequence
ocms_weight_factor	number	no	The weight factor, the 1 divided by the numer of messages per claim	1 divided by the number of message per open claim

etl_proc_wid	number	no	System field. this column is the unique identifier for the specific etl process used to create or update this data.	system generated
w_insert_dt	date	no	Stores the date on which the record was inserted in the data warehouse table.	system generated
w_update_dt	date	no	Stores the date on which the record was last updated in the data warehouse table.	system generated
last_changed_dt	timestamp(9)	no	Last changed date in the source system	w_open_claim_f last_changed_dt

ETL components that are used to load the helper table

In the package RUN_ETL the following tables are being used as source and/or target:

Seq.	Source tables	Target table	Comments
1	s_open_claim_message_o	w_open_claim_message_grp_h	

1. /OHI-Main/3279-DSY.html
2. /OHI-Main/3276-DSY.html
3. /OHI-Main/3232-DSY.html
4. /OHI-Main/3266-DSY.html
5. /OHI-Main/3231-DSY.html
6. /OHI-Main/3231-DSY.html
7. /OHI-Main/3231-DSY.html
8. /OHI-Main/3231-DSY.html
9. /OHI-Main/3231-DSY.html
10. /OHI-Main/3326-DSY.html
11. /OHI-Main/3234-DSY.html
12. /OHI-Main/3267-DSY.html
13. /OHI-Main/3269-DSY.html
14. /OHI-Main/3269-DSY.html
15. /OHI-Main/3274-DSY.html
16. /OHI-Main/3276-DSY.html
17. /OHI-Main/3232-DSY.html
18. /OHI-Main/3279-DSY.html
19. /OHI-Main/3276-DSY.html
20. /OHI-Main/3232-DSY.html
21. /OHI-Main/3231-DSY.html
22. /OHI-Main/3231-DSY.html
23. /OHI-Main/3231-DSY.html
24. /OHI-Main/3231-DSY.html