

MetaVision Suite®
Proven Clinical Information Systems

Database Schema

Reference Guide for Version 5.46.3800

Device Description

MetaVision™ features fully-integrated tools for data collection, presentation, order management and decision support across the acute care continuum. Core components include: MV-ICU™ – Clinical Information System for all types of ICUs; MV-OR™ – Anesthesia Information Management System for peri-operative environments; MVexpress™ – Pre-configured Anesthesia Information Management System designed for rapid deployment, MVcentral™ – Centralized surveillance system for tele-intensivist patient monitoring; MVscheduling™ – Planning and resource management system for operation rooms and MVgeneral™ – Hospital-Wide Electronic Medical Record for Acute Care. MetaVision also features secure access to critical care information via the web, using handheld devices and wireless communication.

MV-ICU™ Indications for Use

The MV-ICU graphical patient information system is a clinical information system utilized for data collection, management, and storage. Typically, the MV-ICU system comprises several workstations connected via a network system to one or more servers. Data is stored and managed by servers. The MV-ICU system network can communicate with a number of remotely-located patient care units. The way MV-ICU is used for generating patient records, computation of drug and fluid dosage, and research tasks is determined by the health care providers, in terms of their environment and requirements. Federal law restricts this device to sale by or on the order of a physician.

MV-OR™ / MVexpress™ Indications for Use

The peri-operative MV-OR / MVexpress anesthesia information management system may be used for electronically collecting, recording and displaying peri-operative data and anesthesia information. Typically, the MV-OR / MVexpress system comprises several workstations connected via a network system to one or more servers. Data is stored and managed by servers. The MV-OR / MVexpress system network can communicate with a number of remotely-located patient care units. The way MV-OR / MVexpress is used for generating patient records, computation of drug and fluid dosage, and research tasks is determined by the health care providers, in terms of their environment and requirements.

Manufacturer's Notices

iMDsoft® does not in any way recommend or advise care practitioners, or any other medical and hospital personnel, specific treatments or actions for patients whose information is being managed by MetaVision®. MetaVision is not intended to be a substitute for the qualified judgment of the professional care provider. All information recorded and residing in the system is subject to, and can be overridden by, that judgment. **iMDsoft** cannot, in any way, verify the accuracy of user-defined parameters and calculations, and therefore bears no responsibility for their use and the consequences thereof. MetaVision complements the medical information generated by medical devices and other hospital / healthcare systems, and does not preclude care providers using those devices and the information (data, alarms, notifications) they generate, in the ways intended. Up to 0.5% of the data generated by these devices is not received by or displayed in MetaVision and **iMDsoft** shall not be held responsible for this. Users should, therefore, not rely solely on MetaVision data, but should also verify the results from the original source.

To reduce the potential hazard of confusion, it is recommended that the customer places MetaVision display close to patient's monitoring displays, in a manner that clearly identifies the patient. Appropriate attention on the part of the customer must be paid to the legal and other requirements – both national and international – for proper use of hardware, accessible electrical outlets, isolated and shielded connections, connections to the customer's emergency power network, and proper positioning and ventilation of all computer and printing and networking equipment that is a part of MetaVision system, whether supplied by **iMDsoft** or by other vendors. Customers are advised to prepare a contingency plan to allow continuity of routine operations in the event that use of MetaVision or the retrieval of information from the system is disabled for whatever reason.

MVexpress: The system and its database are pre-configured. During the process of customization, the content is presented to the customer and some minimal configuration changes may be made by the Company as per the customer's request if these are found feasible. **iMDsoft** will not be held responsible for the medical content and configuration of the system after it has been accepted by the customer representative. In addition, the Company offers customization services at additional charge through **iMDsoft** Professional Services. Any configuration modifications shall not be construed as warranted modifications and shall not impose on **iMDsoft** any liabilities beyond those expressly assumed by **iMDsoft** under the applicable license agreement signed between **iMDsoft** and the customer.

MVdashboard™: MVdashboard configurable tool involves time delay for displayed information.

Localization Tool: MetaVision localization tool can have a significant effect upon the graphic user interface, thus altering all together all system messages, and great care should therefore be exercised when using it.

Unit Customization: Customizing of units significantly affects all system calculations and may have vast implications on the display of essential patient data and further system wide implications. Therefore, unit customization should be performed with meticulous planning and great care.

Pumps: It is essential to label each pump, pump cable, and terminal server port clearly. This labeling should specify to which port and terminal server each pump must be connected in order to ensure the proper flow of information into MetaVision.

Event Manager: The Event Manager is designed to assist clinicians in their research and quality assurance activities. Users are responsible for defining and creating the algorithms and messages it employs. The tool runs on data from MetaVision database and involves a time delay: it is not intended to replace bedside warning devices and clinicians' diagnostic practices.

Allergies: The Allergies module should be fully customized and carefully validated prior to use. The risk in partial customization is that users may assume they are receiving notifications for all allergies, rather than only for those that have been customized; this may result, *inter alia*, in faulty prescriptions that constitute a danger to patient safety.

ICD-10: MetaVision supports the use of the *International Classification of Diseases and Related Health Problems, Tenth Revision (ICD-10)* data library, Vols 1-3, Geneva, World Health Organization, 1992.

Integration Code Notice: MetaVision allows the writing and insertion of non compiled integration code ('Code') by customers and third parties using dedicated tools. Tools usage is limited to the conditions and limitations set forth by **iMDsoft** and allow basic Microsoft Visual Basic Scripting (VBS) and MetaVision generated functions. The tools are as follows: Statement Editor, Event Manager, Patient File, Form Builder and Report Builder.

Notwithstanding, it is strictly forbidden to conduct direct database queries in MetaVision's production database. External interface to the clinical and demographic information in MetaVision is only allowed using existing functions in the MVBUS tool.

iMDsoft shall assume no liability whatsoever with respect to the operation, clinical validation, content, installation, support, or any other aspect of this Code.

iMDsoft shall further not be obligated to support and maintain such Code as part of any support and maintenance services it provides to its customers. In addition, it is the customer's responsibility to verify and validate that the Code developed is clinically reasonable, does not adversely affect the proper operation of the system as supplied by **iMDsoft**, does not infringe the system's '*Indications for Use*'; does not infringe upon any third party intellectual property rights, and does not pose a risk for its users, healthcare providers, and patients. **iMDsoft** shall not be held liable for any damages caused to customer or to any third party which relate to usage of such Code in conjunction with **iMDsoft**'s MetaVision.

Update: This document has been updated for use with the MetaVision 5.46.3800.

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ABOUT THIS GUIDE

This Document

This document presents the database schema for the production database of the *iMDsoft* MetaVision® Suite version 5.46.3800.

Scope and Description

This document includes a listing of all the tables used in the MetaVision Production database, along with a brief description of each table. The listing is sorted by modules (each module being a separate chapter in the document), and sorted further according to sets, if there are more than one set for the given module.

FORMS

This Module

The Forms module contains two sets of tables:

- The Customize Data set
- The Patient Data set

The Customize Data Set

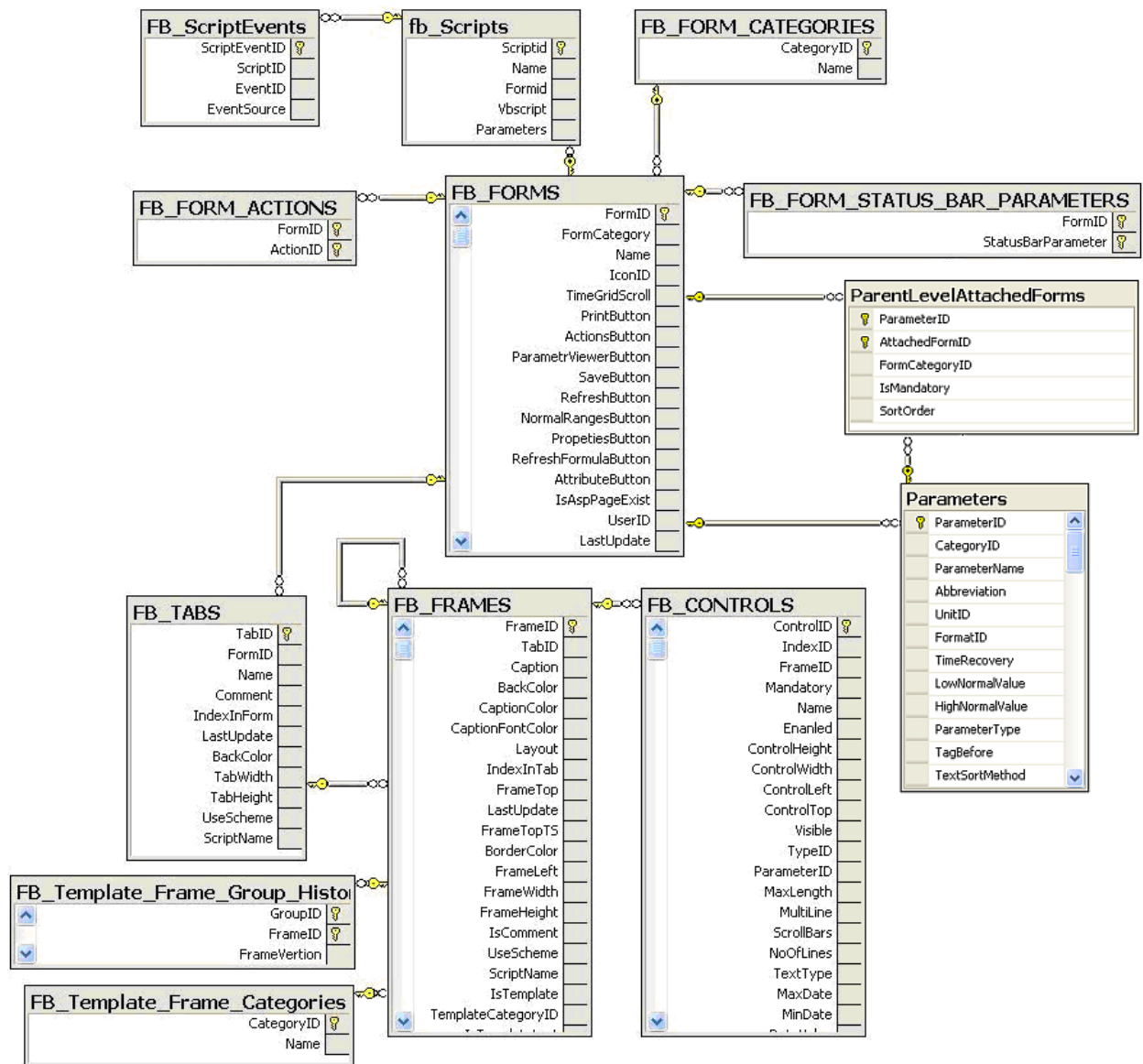
Customize Data Tables Overview

The Customize Data set contains the following tables:

- FB_FORM_CATEGORIES
- FB_FORMS
- fb_Scripts
- FB_TABS
- FB_FRAMES
- FB_CONTROLS
- FB_FORM_ACTIONS
- FB_Template_Frame_Categories
- FB_Template_Frame_Group_History
- FB_FORM_STATUS_BAR_PARAMETERS
- FB_ScriptEvents
- ParentLevelAttachedForms

The above tables are linked according to the following schema:

Figure 1. Schema of the Forms Module/Customize Data Set Structure



FB_FORM_CATEGORIES Table

Description

The FB_FORM_CATEGORIES table stores the form builder categories.

Columns

Column name	Type	Size	IS_NULLABLE
CategoryID	smallint		No
Name	nchar	50	No

FB_FORMS Table

Description

The FB_FORMS table stores the general settings of form builders. Every time a form is changed a new version is created having the IsLast column set to 1, while older versions of the form have the IsLast column set to 0. All tabs, frames and controls are re-created also.

The different versions of the same form are grouped by the GroupID column in the FB_FORM_GROUP_HISTORY table.

Columns

Column name	Type	Size	IS_NULLABLE
FormID	uniqueidentifier		No
FormCategory	smallint		No
Name	nvarchar	50	No
IconID	int		Yes
TimeGridScroll	bit		No
PrintButton	bit		No
ActionsButton	bit		No
ParametrViewerButton	bit		No
SaveButton	bit		No
RefreshButton	bit		No
NormalRangesButton	bit		No
PropertiesButton	bit		No
RefreshFormulaButton	bit		No
AttributeButton	bit		No
IsAspPageExist	bit		No
UserID	int		No
LastUpdate	datetime		No
ApplyButton	bit		No
IsWeb	bit		Yes
StatusBarID	int		Yes

Column name	Type	Size	IS_NULLABLE
Is_Last	bit		No
MyMv_Show_Description	bit		No
IsPocketPC	bit		No
SignalAttributesButton	bit		No
AllowOffLine	bit		No
TabPosition	smallint		No
UseSmallTabs	bit		No
TabsAppearance	smallint		No
TabBackColor	int		No
TabSelectionBackColor	int		No
TabForeColor	int		No
TabSelectedForeColor	int		No
HideTabSelection	bit		No
ImportDataButton	bit		No
DisableRuleButton	bit		No
AfterSaveType	int		No
MinutesAlert	int		No
SaveOnlyModifiedSignals	bit		No
SaveOnlySession	bit		No
ViewNameStyle	int		No
ShowHeader	bit		No
SessionBrowserWidth	Smallint		No
SignetButton	Bit		No
OpenSessionMode	smallint		No

fb_Scripts Table

Description

The fb_Scripts table stores VB scripts for the form builder.

Columns

Column name	Type	Size	IS_NULLABLE
Scriptid	uniqueidentifier		No
Name	nvarchar	50	No
Formid	uniqueidentifier		No
Vbscript	ntext		Yes
Parameters	nvarchar	200	Yes

FB_TABS Table

Description

The FB_TABS table stores the tabs of the different forms. Every time a form is changed a new version is created in the FB_FORMS table, having the IsLast column set to 1, while older versions of the form have the IsLast column set to 0. All tabs, frames and controls are also re-created.

The different versions of the same form are grouped by the GroupID column in the FB_FORM_GROUP_HISTORY table.

Columns

Column name	Type	Size	IS_NULLABLE
TabID	uniqueidentifier		No
FormID	uniqueidentifier		No
Name	nvarchar	50	No
Comment	nvarchar	50	Yes
IndexInForm	smallint		No
LastUpdate	datetime		Yes
BackColor	int		Yes
TabWidth	int		Yes

Column name	Type	Size	IS_NULLABLE
TabHeight	int		Yes
UseScheme	bit		No
ScriptName	nvarchar	50	Yes

FB_FRAMES Table

Description

The FB_FRAMES table stores the frames defined for the tabs of the different forms. Every time a form is changed a new version is created in the FB_FORMS table, having the IsLast column set to 1, while older versions of the form have the IsLast column set to 0. All tabs, frames and controls are re-created also.

The different versions of the same form are grouped by the GroupID column in the FB_FORM_GROUP_HISTORY table.

Columns

Column name	Type	Size	IS_NULLABLE
FrameID	uniqueidentifier		No
TabID	uniqueidentifier		Yes
Caption	nvarchar	100	No
BackColor	int		No
CaptionColor	int		No
CaptionFontColor	int		No
Layout	int		No
IndexInTab	smallint		No
FrameTop	int		No
LastUpdate	datetime		Yes
FrameTopTS	int		No
BorderColor	int		Yes
FrameLeft	int		No
FrameWidth	int		Yes

Column name	Type	Size	IS_NULLABLE
FrameHeight	int		Yes
IsComment	bit		No
UseScheme	bit		No
ScriptName	nvarchar	50	Yes
IsTemplate	bit		Yes
TemplateCategoryID	int		Yes
IsTemplateLast	bit		Yes
TemplateName	nvarchar	100	Yes
IsInheritsFrame	bit		No
OverrideName	bit		No
OverrideVBName	bit		No
OverrideColors	bit		No
InheritsFrameID	uniqueidentifier		Yes

FB_CONTROLS Table

Description

The FB_CONTROLS table stores the controls defined for the frames in the tabs of the different forms. Every time a form is changed a new version is created in the FB_FORMS table, having the IsLast column set to 1, while older versions of the form have the IsLast column set to 0. All tabs, frames and controls are re-created also.

The different versions of the same form are grouped by the GroupID column in the FB_FORM_GROUP_HISTORY table.

Columns

Column name	Type	Size	IS_NULLABLE
ControlID	uniqueidentifier		No
IndexID	int		Yes
FrameID	uniqueidentifier		No
Mandatory	bit		No

Column name	Type	Size	IS_NULLABLE
Name	nvarchar	3000	No
Enabled	bit		No
ControlHeight	int		No
ControlWidth	int		No
ControlLeft	int		No
ControlTop	int		No
Visible	bit		No
TypeID	tinyint		No
ParameterID	smallint		Yes
MaxLength	int		Yes
MultiLine	bit		No
ScrollBars	bit		No
NoOfLines	int		Yes
TextType	tinyint		Yes
MaxDate	datetime		Yes
MinDate	datetime		Yes
DateValue	datetime		Yes
PredefinedValue	tinyint		Yes
Defaultvalue	nvarchar	3500	Yes
DefaultTag	nchar	10	Yes
DefaultTextID	int		Yes
IndexInFrame	smallint		No
ShowUnit	bit		No
IsLastSessionValue	bit		Yes
LastUpdate	datetime		Yes
OrderListFromTime	smallint		Yes

Column name	Type	Size	IS_NULLABLE
OrderListToTime	smallint		Yes
OrderCategory	smallint		Yes
OrderStatus	smallint		Yes
ControlHeightTS	int		No
ControlWidthTS	int		No
ControlLeftTS	int		No
ControlTopTS	int		No
MyMv_Control_Width	smallint		No
ControlType	smallint		No
NameVAlign	smallint		Yes
LeftWidth	int		Yes
DisplayType	smallint		Yes
IsComplete	bit		No
BackColor	int		Yes
IconID	int		Yes
ActionID	int		Yes
UseScheme	bit		No
FontName	nvarchar	50	Yes
FontSize	smallint		Yes
FontBold	bit		Yes
FontItalic	bit		Yes
FontUnderLine	bit		Yes
FontStrikethru	bit		Yes
FontColor	int		Yes
ScriptName	nvarchar	50	Yes
BooleanType	int		Yes

Column name	Type	Size	IS_NULLABLE
picImage	image		Yes
IsImageStretch	bit		Yes
ValidateValue	bit		No
ImageSize	int		Yes
OrderViewerID	int		Yes
OrderViewerShortcut	smallint		Yes
ActionScript	nvarchar	100	Yes
WrapText	bit		No
ComboDropDownButton	bit		Yes
ComboFindButton	bit		Yes
ActionUseNameForTooltip	bit		Yes
ActionToolTip	nvarchar	100	Yes

FB_FORM_ACTIONS Table

Description

The FB_FORM_ACTIONS table stores a list of the action buttons on the form builder.

Columns

Column name	Type	Size	IS_NULLABLE
FormID	uniqueidentifier		No
ActionID	int		No

FB_Template_Frame_Categories Table

Description

The FB_Template_Frame_Categories table stores a list of the categories for the template frame.

Columns

Column name	Type	Size	IS_NULLABLE
CategoryID	int		No
Name	nvarchar	50	Yes

FB_FORM_STATUS_BAR_PARAMETERS Table

Description

This Table is not in use.

Columns

Column name	Type	Size	IS_NULLABLE
FormID	uniqueidentifier		No
StatusBarParameter	smallint	50	No

FB_ScriptEvents Table

Description

The FB_ScriptEvents table describes rules for when the scripts run.

Columns

Column name	Type	Size	IS_NULLABLE
ScriptEventID	uniqueidentifier		No
ScriptID	uniqueidentifier		No
EventID	smallint		No
EventSource	uniqueidentifier		Yes

FB_Template_Frame_Group_History Table

Description

In the FB_Template_Frame_Group_History table, the different versions of the same Frame are grouped by the GroupID column.

Columns

Name	Type	Size	IS_NULLABLE
GroupID	Int	4	NO
FrameID	uniqueidentifier	16	NO
FrameVersion	Int	4	YES

ParentLevelAttachedForms Table

Description

The ParentLevelAttachedForms table contains the information on customization for order parameter attached form at the parent level only.

Columns

Name	Type	Size	IS_NULLABLE
ParameterID	smallint		No
AttachedFormID	uniqueidentifier		No
FormCategoryID	smallint		No
IsMandatory	bit		No
SortOrder	tinyint		No

The Patient Data Set

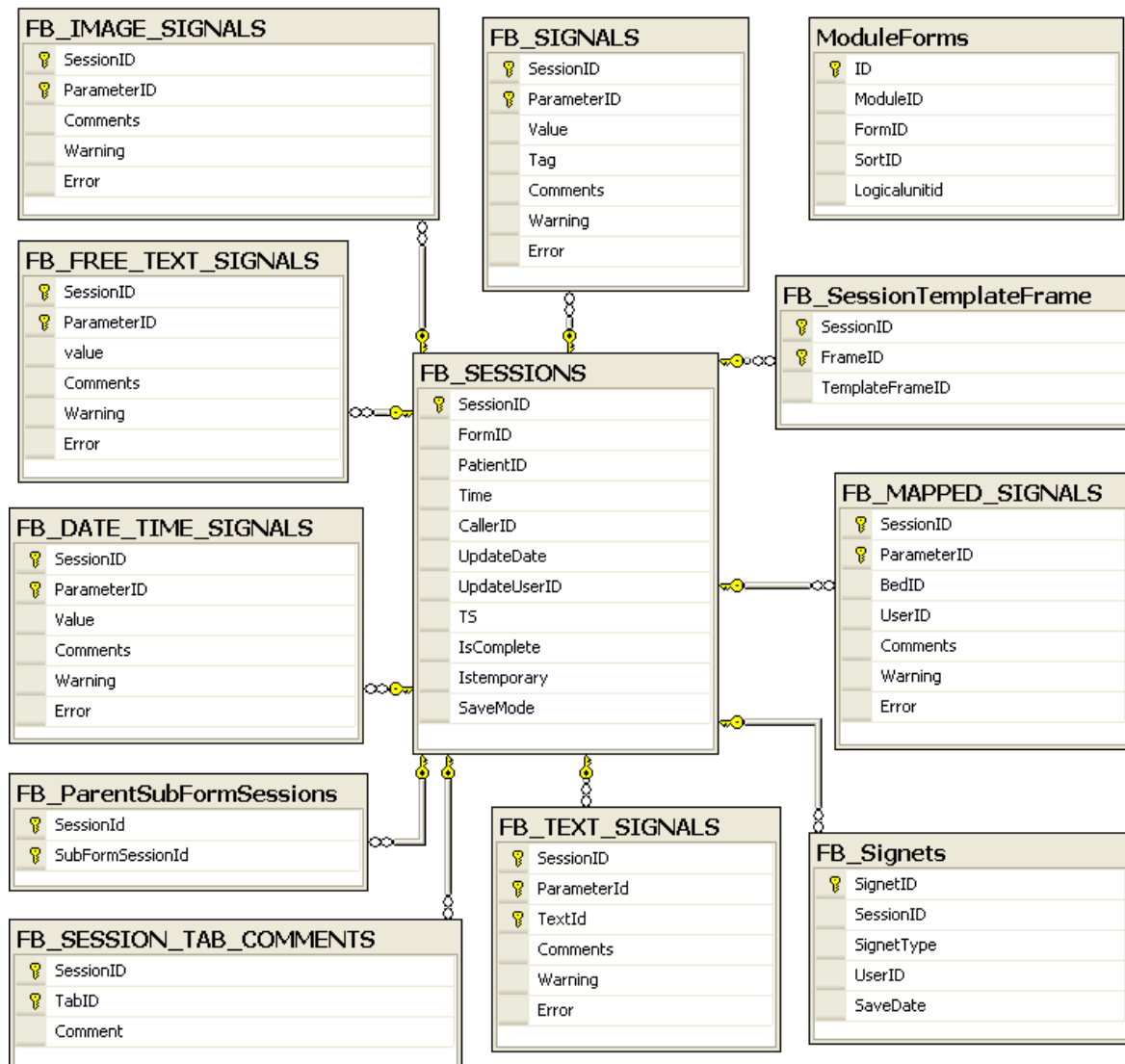
Patient Data Tables Overview

The Patient Data set contains the following tables:

- FB_SESSIONS
- FB_SIGNALS
- FB_FREE_TEXT_SIGNALS
- FB_IMAGE_SIGNALS
- FB_MAPPED_SIGNALS
- FB_TEXT_SIGNALS
- FB_Signets
- FB_SESSION_TAB_COMMENTS
- FB_SessionTemplateFrame
- FB_DATE_TIME_SIGNALS
- FB_SESSION_TAB_COMMENTS
- ModuleForms
- FB_ParentSubFormSessions

These tables are linked according to the following schema:

Figure 2. Schema of the Forms Module/Patient Data Set Structure



FB_SESSIONS Table

Description

MetaVision saves sessions of forms through the general entry (done through actions and the patient file form), through events and through orders. Sessions created through any of the sources above are separated from each other, so the general enter has its own sessions for a given form and so do the event signals and orders.

Event signals and orders may have only one form attached, while the general entry allows filling all forms. In order to differentiate the sessions by source, each of the sources has its unique identifier for each filled form, called CallerID. The CallerID is stored as follows:

- For the general entry (done thru actions and the patient file form) – in the CallerID column of the PatientFormBuilders table
- For event signals - in the CallerID column of the EventSignals table
- For orders - in the CallerID column of the OrderEntry table

The FB_SESSIONS table stores the sessions of the different forms.

Columns

Column name	Type	Size	IS_NULLABLE
SessionID	uniqueidentifier		No
FormID	uniqueidentifier		No
PatientID	int		No
Time	datetime		No
CallerID	uniqueidentifier		No
UpdateDate	datetime		No
UpdateUserID	int		No
TS	timestamp	8	Yes
IsComplete	bit		No
Istemporary	bit		No

FB_SIGNALS Table

Description

The FB_SIGNALS table contains the numeric, numeric with tag and Boolean signals entered into the form builder sessions.

Columns

Column name	Type	Size	IS_NULLABLE
SessionID	uniqueidentifier		No
ParameterID	smallint		No
Value	real		Yes
Tag	nchar	1	Yes
Comments	nvarchar	3500	Yes
Warning	bit		Yes
Error	bit		Yes

FB_FREE_TEXT_SIGNALS Table

Description

The FB_FREE_TEXT_SIGNALS table stores signals of Free Text parameter type.

Columns

Column name	Type	Size	IS_NULLABLE
SessionID	uniqueidentifier		No
ParameterID	smallint		No
value	varchar	3500	Yes
Comments	varchar	3500	Yes
Warning	bit		Yes
Error	bit		Yes

FB_IMAGE_SIGNALS Table

Description

The FB_IMAGE_SIGNALS table stores signals of image parameter type. An image signal may contain several images. The images are stored in the FB_Image_Items table.

Columns

Column name	Type	Size	IS_NULLABLE
SessionID	uniqueidentifier		No
ParameterID	smallint		No
Comments	nvarchar	3500	Yes
Warning	bit		Yes
Error	bit		Yes

FB_Image_Items Table

Description

The FB_Image_Items table stores the images that are indexed in the FB_IMAGE_SIGNALS table.

Columns

Column name	Type	Size	IS_NULLABLE
ImageID	int		No
SessionID	uniqueidentifier		No
ParameterID	smallint		No
Value	image		No
ImageItemID	int		YES

FB_MAPPED_SIGNALS Table

Description

The FB_MAPPED_SIGNALS table stores signals of mapped parameter type.

Columns

Column name	Type	Size	IS_NULLABLE
SessionID	uniqueidentifier		No
ParameterID	smallint		No
BedID	smallint		Yes
UserID	int		Yes
Comments	nvarchar	3500	Yes
Warning	bit		Yes
Error	bit		Yes

FB_TEXT_SIGNALS Table

Description

The FB_TEXT_SIGNALS table stores the Text parameter type form builder signals.

If the text parameter has the “Allow multiple values with separator” setting on, there may be different TextIDs at the same session for the same parameter and patient, representing the TextIDs included in the multi-text signal.

Columns

Column name	Type	Size	IS_NULLABLE
SessionID	uniqueidentifier		No
ParameterId	smallint		No
TextId	smallint		No
Comments	nvarchar	3500	Yes
Warning	bit		Yes
Error	bit		Yes

FB_Signets Table

Description

The FB_Signets table stores the names of users who signed forms, and the sessions.

Columns

Column name	Type	Size	IS_NULLABLE
SignetID	int		No
SessionID	uniqueidentifier		No
SignetType	smallint		No
UserID	int		No
SaveDate	datetime		No

FB_SESSION_TAB_COMMENTS Table

Description

The FB_SESSION_TAB_COMMENTS table stores the comments of each of the tabs for every session of each form builder.

Columns

Column name	Type	Size	IS_NULLABLE
SessionID	uniqueidentifier		No
TabID	uniqueidentifier		No
Comment	nvarchar	400	Yes

FB_SessionTemplateFrame Table

Description

The FB_SessionTemplateFrame table connects between the template frame IDs and the session IDs (update is completed after saving a session).

Columns

Column name	Type	Size	IS_NULLABLE
ID	int		No
SessionID	uniqueidentifier		No
FrameID	uniqueidentifier		No
TemplateFrameID	uniqueidentifier		No

FB_DATE_TIME_SIGNALS Table

Description

The FB_DATE_TIME_SIGNALS table stores Date time text parameter type form builder signals.

Columns

Column name	Type	Size	IS_NULLABLE
SessionID	uniqueidentifier		No
ParameterID	smallint		No
Value	datetime		No
Comments	nvarchar	3500	Yes
Warning	bit		Yes
Error	bit		Yes

FB_SESSION_TAB_COMMENTS Table

Description

The FB_SESSION_TAB_COMMENTS table stores the comments of each of the tabs for every session of each form builder.

Columns

Column name	Type	Size	IS_NULLABLE
SessionID	uniqueidentifier		No
TabID	uniqueidentifier		No
Comment	nvarchar	400	Yes

ModuleForms Table

Description

The ModuleForms table stores all the forms that opened from the patient file.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
ModuleID	int		No
FormID	uniqueidentifier		No
SortID	int		Yes
Logicalunitid	int		No

FB_ParentSubFormSessions Table

Description

The FB_ParentSubFormSessions table stores the patient data of each sub-form for every session of each form builder.

Columns

Name	Type	Size	IS_NULLABLE
SessionId	uniqueidentifier		No
SubFormSessionId	uniqueidentifier		No

REPORTS

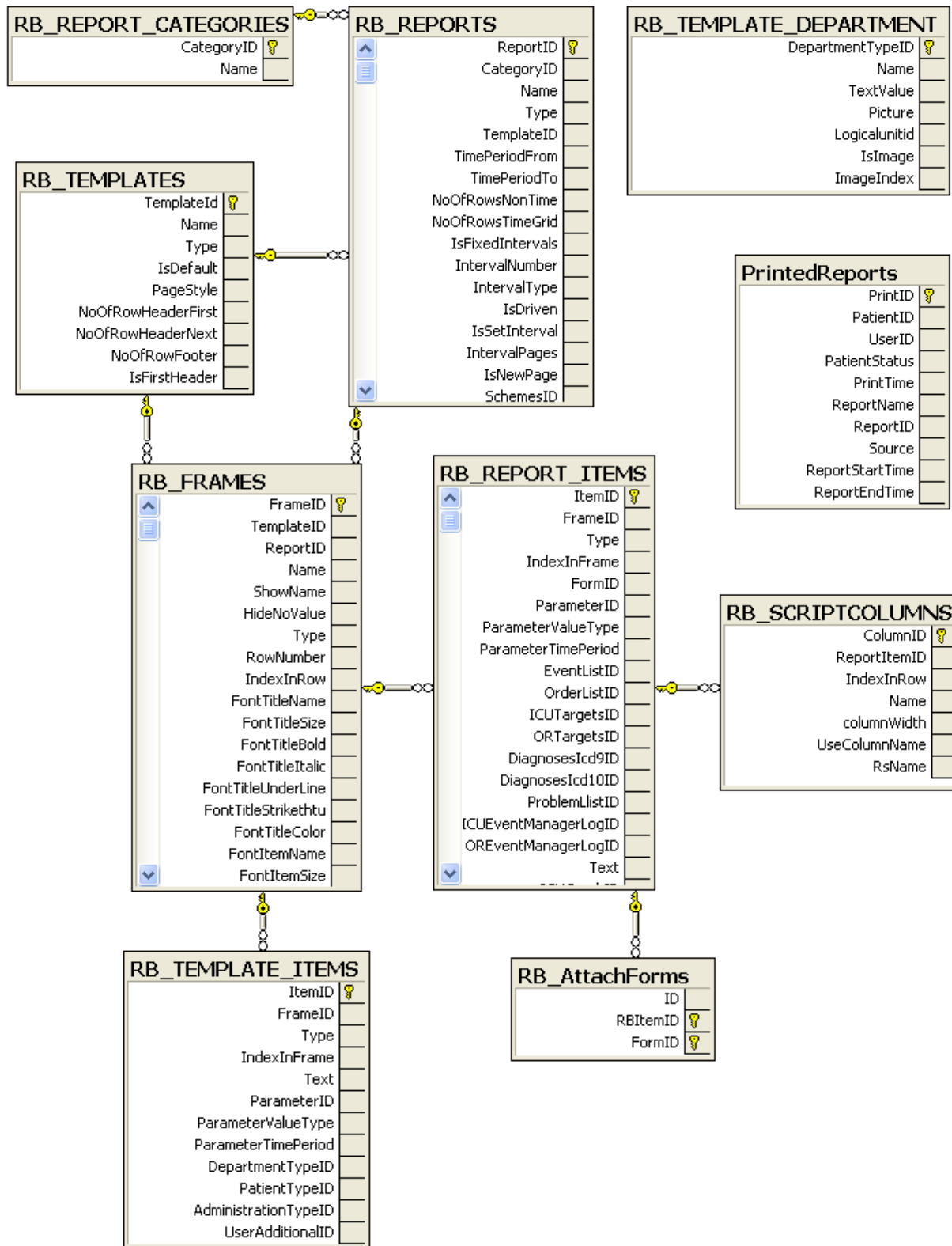
This Module

The Reports module includes a single set of tables – Customize Data type – that include the following tables:

- RB_REPORTS
- RB_AttachForms
- RB_FRAMES
- RB_REPORT_CATEGORIES
- RB_REPORT_ITEMS
- RB_SCRIPTCOLUMNS
- RB_TEMPLATES
- RB_TEMPLATE_DEPARTMENT
- RB_TEMPLATE_ITEMS
- PrintedReports

The above-listed tables are linked according to the following schema:

Figure 3. Schema of the Reports Module Tables Structure



RB_REPORTS Table

Description

The RB_REPORTS table stores a list of the reports, along with their properties.

Columns

Name	Type	Size	IS_NULLABLE
ReportID	uniqueidentifier		No
CategoryID	smallint		No
Name	nvarchar	50	No
Type	smallint		No
TemplateID	uniqueidentifier		No
TimePeriodFrom	smallint		No
TimePeriodTo	smallint		No
NoOfRowsNonTime	smallint		No
NoOfRowsTimeGrid	smallint		No
IsFixedIntervals	bit		No
IntervalNumber	int		YES
IntervalType	smallint		YES
IsDriven	bit		No
IsSetInterval	bit		No
IntervalPages	smallint		YES
IsNewPage	bit		No
SchemesID	int		YES
NoOfRowsNonTimeFooter	smallint		No
IsNewPageNonTimeFooter	bit		No
RoundingInterval	smallint		No
HideRightColumn	bit		No
UserID	int		No

Name	Type	Size	IS_NULLABLE
ShowTRFrame	bit		No
TRFrameWidth	smallint		No
NoOfRowTRFrames	smallint		No
TRColumnNumber	smallint		No
CutFrame	bit		No
ViewDistance	smallint		No
FrameDistance	smallint		No
ShowViewBorder	bit		No
ViewBorderColor	int		No
ViewLeftWidth	smallint		No
ViewRightWidth	smallint		No
OverDay	smallint		No
FitOnePage	bit		No
MarginLeft	int		No
MarginRight	int		No
CompleteViews	bit		No
Duplex	smallint		No
AlwaysLeftToRight	bit		No
ValidateDataDriven	bit		No

RB_AttachForms Table

Description

The RB_AttachForms table stores a list of the reports that have forms attached to them, along with information on the attached forms.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
RBItemID	uniqueidentifier		No
FormID	uniqueidentifier		No

RB_FRAMES Table

Description

The RB_FRAMES table stores the properties of individual frames located inside the reports.

Columns

Name	Type	Size	IS_NULLABLE
FrameID	uniqueidentifier		No
TemplateID	uniqueidentifier		Yes
ReportID	uniqueidentifier		Yes
Name	nvarchar	50	No
ShowName	bit		No
HideNoValue	bit		No
Type	smallint		No
RowNumber	smallint		No
IndexInRow	smallint		No
FontTitleName	nvarchar	50	No
FontTitleSize	smallint		No
FontTitleBold	bit		No

Name	Type	Size	IS_NULLABLE
FontTitleItalic	bit		No
FontTitleUnderLine	bit		No
FontTitleStrikethu	bit		No
FontTitleColor	int		No
FontItemName	nvarchar	50	No
FontItemSize	smallint		No
FontItemBold	bit		No
FontItemItalic	bit		No
FontItemUnderLine	bit		No
FontItemStrikethu	bit		No
FontItemColor	int		No
TitlePosition	smallint		No
TitleWidth	smallint		No
TitleAlignment	smallint		No
TitleBgColor	int		No
DisplayParameterName	bit		No
ParameterNameBgColor	int		No
ParameterNameWidth	smallint		No
ExternalGridColor	int		No
InternalGridColor	int		No
Width	smallint		No
ShowExternalGrid	bit		No
ShowInternalGrid	bit		No

RB_REPORT_CATEGORIES Table

Description

The RB_REPORT_CATEGORIES table stores the names of the report categories.

Columns

Name	Type	Size	IS_NULLABLE
CategoryID	smallint		No
Name	nvarchar	50	No

RB_REPORT_ITEMS Table

Description

The RB_REPORT_ITEMS table stores the properties of the items within frames and reports.

Columns

Name	Type	Size	IS_NULLABLE
ItemID	uniqueidentifier		No
FrameID	uniqueidentifier		No
Type	smallint		No
IndexInFrame	smallint		No
FormID	uniqueidentifier		Yes
ParameterID	smallint		Yes
ParameterValueType	smallint		Yes
ParameterTimePeriod	smallint		Yes
EventListID	int		Yes
OrderListID	smallint		Yes
ICUTargetsID	int		Yes
ORTargetsID	int		Yes
DiagnosesIcd9ID	int		Yes
DiagnosesIcd10ID	int		Yes

Name	Type	Size	IS_NULLABLE
ProblemListID	int		Yes
ICUEventManagerLogID	int		Yes
OREEventManagerLogID	int		Yes
Text	nvarchar	600	Yes
ICUGraphID	int		Yes
ORGraphID	int		Yes
ICUTabularID	int		Yes
ORTabularID	int		Yes
ICUOrderID	int		Yes
OROrderID	int		Yes
EventID	int		Yes
ORPatienListID	int		Yes
UserListID	int		Yes
IsDepartmentalICD10	bit		No
IsTemporaryICD10	bit		No
IsTemporaryProblemList	bit		No
QueryWizardObjectID	int		Yes
ProtocolID	smallint		Yes
GroupEntryID	int		Yes
IsShowEventError	bit		Yes
GraphHeight	smallint		Yes
FormColumns	smallint		Yes
ShowOneProblem	bit		Yes
ShowEventComment	bit		Yes
DepartmentTypeID	int		Yes
PatientTypeID	smallint		Yes

Name	Type	Size	IS_NULLABLE
AdministrationTypeID	smallint		Yes
FormShowTab	bit		No
FormShowFrame	bit		No
SessionTypeID	smallint		No
OrderListType	smallint		Yes
StickyNoteID	int		Yes
UseReportTime	bit		Yes
ShowTabularComments	bit		Yes
TabularFrameID	uniqueidentifier		Yes
PreAdmissionMedication	int		Yes
CarePlanFilterID	int		Yes
CarePlanID	int		Yes
MBID	ntext		Yes
IncludeAttachForm	bit		Yes
ShowFormBuilderLog	bit		Yes
ScriptName	nvarchar	50	Yes
Script	ntext		Yes
QWScriptID	int		Yes
ScriptType	int		Yes
UserAdditionalID	int		Yes

RB_SCRIPTCOLUMNS Table

Description

The RB_SCRIPTCOLUMNS table stores the scripts that run within the reports.

Columns

Name	Type	Size	IS_NULLABLE
ColumnID	int		No
ReportItemID	uniqueidentifier		No
IndexInRow	int		No
Name	nvarchar	50	YES
columnWidth	int		No
UseColumnName	bit		No
RsName	nvarchar	50	YES

RB_TEMPLATES Table

Description

The RB_TEMPLATES table stores the properties of the report templates.

Columns

Name	Type	Size	IS_NULLABLE
TemplateID	uniqueidentifier		No
Name	nvarchar	50	No
Type	smallint		No
IsDefault	bit		No
PageStyle	smallint		No
NoOfRowHeaderFirst	smallint		No
NoOfRowHeaderNext	smallint		No
NoOfRowFooter	smallint		No
IsFirstHeader	bit		No

RB_TEMPLATE_DEPARTMENT Table

Description

The RB_TEMPLATE_DEPARTMENT table stores the customized properties of the reports.

Columns

Name	Type	Size	IS_NULLABLE
DepartmentTypeID	int		No
Name	nvarchar	50	No
TextValue	nvarchar	50	No
Picture	image		Yes
Logicalunitid	int		No
IsImage	bit		No
ImageIndex	int		Yes

RB_TEMPLATE_ITEMS Table

Description

The RB_TEMPLATE_ITEMS table stores the properties of the items (such as frames) of the report templates.

Columns

Name	Type	Size	IS_NULLABLE
ItemID	uniqueidentifier		No
FrameID	uniqueidentifier		No
Type	smallint		No
IndexInFrame	smallint		No
Text	nvarchar	600	YES
ParameterID	smallint		YES
ParameterValueType	smallint		YES
ParameterTimePeriod	smallint		YES
DepartmentTypeID	int		YES

Name	Type	Size	IS_NULLABLE
PatientTypeID	smallint		YES
AdministrationTypeID	smallint		YES
UserAdditionalID	int		YES

PrintedReports Table

Description

The PrintedReports table adds a new record for each report that is sent to the reporter

Columns

Name	Type	Size	IS_NULLABLE
PrintID	int		No
PatientID	int		No
UserID	int		No
PatientStatus	int		No
PrintTime	datetime		No
ReportName	nvarchar	50	No
ReportID	uniqueidentifier		No
Source	int		No
ReportStartTime	datetime		No
ReportEndTime	datetime		No

ORDERS

This Module

Within the Orders module there are several sets of tables. The various sets of tables are grouped in the following structure:

- Customize Data tables
 - Order Entry Customization tables
 - Orders Display Customization tables
 - Orders Sets tables
 - New Orders Management Customization tables
- Patient Data tables
- Pumps Patients Data tables
- Labs Patient Data table

Customize Data Tables

The Customize Data tables are divided into two sub-sets of tables:

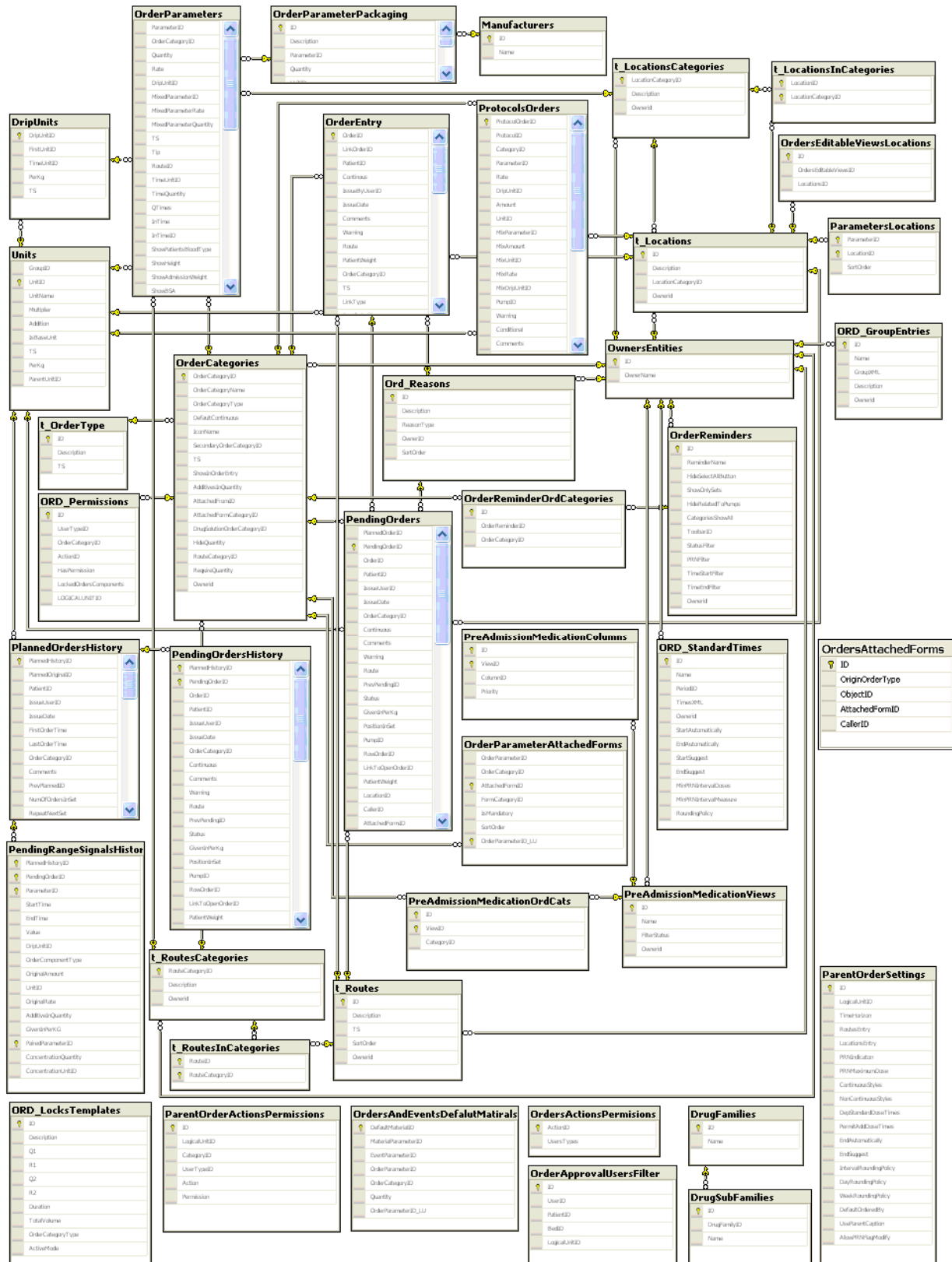
- The Order Entry Customization tables
- The Orders Display Customization tables
- Orders Sets tables
- New Orders Management Customization tables

Order Entry Customization Tables

The Order Entry Customization sub-set, include the following tables:

- OrderCategories
- OrderParameterAttachedForms
- t_OrderType
- ORD_Permissions
- DrugFamilies
- DrugSubFamilies
- PreAdmissionMedicationOrdCats
- PreAdmissionMedicationViews
- PreAdmissionMedicationColumns
- ORD_StandardTimes
- OrdersActionsPermissions
- OrdersAndEventsDefalutMatirals
- OrdersAttachedForms
- Units
- DripUnits
- OrderParameters
- t_LocationsCategories
- t_Locations
- t_RoutesCategories
- t_RoutesInCategories
- t_Routes
- OrderParameterPackaging
- Manufacturers
- ORD_LocksTemplates
- ORD_GroupEntries
- OrderApprovalUsersFilter
- OrderRecordTS
- Ord_Reasons
- OrderReminderOrdCategories
- OrderReminders
- ParentOrderActionsPermissions
- ParentOrderSettings
- PendingOrdersHistory
- PendingRangeSignalsHistory
- PlannedOrdersHistory
- t_LocationsInCategories

Figure 4. Schema of the Order Entry Customization Tables



OrderCategories Table

Description

The OrderCategories table stores the names and properties of the Order categories. Also stored are their types and icons, as well as related fields such as additives, solutions and various others.

Columns

Name	Type	Size	IS_NULLABLE
OrderCategoryID	smallint		No
OrderCategoryName	nvarchar	50	No
OrderCategoryType	smallint		No
DefaultContinuous	bit		No
IconName	nvarchar	100	YES
SecondaryOrderCategoryID	smallint		YES
TS	timestamp	8	YES
ShowInOrderEntry	smallint		YES
AdditivesInQuantity	smallint		No
AttachedFromID	uniqueidentifier		YES
AttachedFormCategoryID	smallint		YES
DrugSolutionOrderCategoryID	smallint		YES
HideQuantity	bit		No
RouteCategoryID	smallint		YES

OrderParameterAttachedForms Table

Description

The OrderParameterAttachedForms table stores the default forms that are attached to specific order parameters.

Columns

Name	Type	Size	IS_NULLABLE
OrderParameterID	smallint		No
OrderCategoryID	smallint		No

Name	Type	Size	IS_NULLABLE
AttachedFormID	uniqueidentifier		No
FormCategoryID	smallint		No
IsMandatory	bit		No
SortOrder	tinyint		No
Orderparameterid_Lu	int		No

t_OrderType Table

Description

The t_OrderType table stores the order-types

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
Description	nvarchar	30	Yes
TS	timestamp	8	Yes

ORD_Permissions Table

Description

The ORD_Permissions table stores permissions for administering orders, according to user type (doctor, nurse, etc.), for each drug category.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
UserID	smallint		No
OrderCategoryID	smallint		No
ActionID	smallint		No
HasPermission	bit		No
LockedOrdersComponents	smallint		Yes

Name	Type	Size	IS_NULLABLE
Logicalunitid	int		No

DrugFamilies Table

Description

The DrugFamilies table stores the names and the IDs of the drug families.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
Name	nvarchar	100	YES

DrugSubFamilies Table

Description

The DrugSubFamilies table stores the names and the IDs of the drug sub-families, along with the drug family that each sub-family belongs to.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
DrugFamilyID	smallint		No
Name	nvarchar	150	No

PreAdmissionMedicationOrdCats Table

Description

The PreAdmissionMedicationOrdCats table stores the categories of drug orders that patients are taking prior to their admission into the department.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No

Name	Type	Size	IS_NULLABLE
ViewID	smallint		No
CategoryID	smallint		No

PreAdmissionMedicationViews Table

Description

The PreAdmissionMedicationViews table stores the default layout properties for viewing the drug orders that patients are taking prior to their admission into the department.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
Name	nvarchar	255	No
FilterStatus	smallint		YES

PreAdmissionMedicationColumns Table

Description

The PreAdmissionMedicationColumns table stores the default columns in the tables used for viewing the drug orders that patients are taking prior to their admission into the department.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
ViewID	smallint		No
ColumnID	smallint		No
Priority	smallint		No

ORD_StandardTimes Table

Description

The ORD_StandardTimes table stores the department-defined standard times for administering orders.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Name	nvarchar	255	No
PeriodID	tinyint		No
TimesXML	nvarchar	2000	No

OrdersActionsPermissions Table

Description

The OrdersActionsPermissions table links between user types and permissions for each user type.

Columns

Name	Type	Size	IS_NULLABLE
ActionID	int		No
UsersTypes	nvarchar	500	No

OrdersAndEventsDefalutMatirals Table

Description

The OrdersAndEventsDefalutMatirals table stores the default parameters and properties (such as quantities) for the drugs, solutions and events of orders.

Columns

Name	Type	Size	IS_NULLABLE
DefaultMaterialID	int		No
MaterialParameterID	smallint		No
EventParameterID	smallint		YES
OrderParameterID	smallint		YES
OrderCategoryID	smallint		YES
Quantity	tinyint		YES
OrderParameterID_LU	int		YES

OrdersAttachedForms Table

Description

The OrdersAttachedForms table stores the information needed to locate forms attached to specific order.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
OriginOrderType	smallint		No
ObjectID	int		No
AttachedFormID	uniqueidentifier		No
CallerID	uniqueidentifier		No

Units Table

Description

Defines the units in the department.

Units having the “Allow per kg” setting set are stored as 2 different units; [UnitName] and [UnitName/kg]. The unit [UnitName/kg] has the PerKg field set to 1 and its ParentUnitID field points to the ID of [UnitName].

Values of parameters are stored in the different tables in the system using their base units. In order to convert the value from the base unit to the default unit of the parameter do the following calculation:

$(\text{BaseAmount} - \text{Addition}) / \text{Multiplier}$

Columns

Name	Type	Size	IS_NULLABLE
GroupID	smallint		No
UnitID	smallint		No
UnitName	nvarchar	50	No
Multiplier	real		No
Addition	real		No
IsBaseUnit	bit		No
TS	timestamp	8	YES

Name	Type	Size	IS_NULLABLE
PerKg	smallint		YES
ParentUnitID	smallint		YES

DripUnits Table

Description

The DripUnits table stores the drip units customized for the department.

Drip units include the following parts: [Unit]/Kg/[Time unit]. The “Kg” section is optional.

Columns

Name	Type	Size	IS_NULLABLE
DripUnitID	smallint		No
FirstUnitID	smallint		No
TimeUnitID	smallint		No
PerKg	smallint		No
TS	timestamp	8	YES

OrderParameters Table

Description

The OrderParameters table stores the default parameters and properties for the drugs and solutions, according to order category.

Columns

Name	Type	Size	IS_NULLABLE
ParameterID	smallint		No
OrderCategoryID	smallint		No
Quantity	real		YES
Rate	real		YES
DripUnitID	smallint		YES
MixedParameterID	smallint		YES

Name	Type	Size	IS_NULLABLE
MixedParameterRate	real		YES
MixedParameterQuantity	real		YES
TS	timestamp	8	YES
Tip	nvarchar	255	YES
RouteID	smallint		YES
TimeUnitID	smallint		YES
TimeQuantity	real		YES
QTimes	smallint		YES
InTime	int		YES
InTimeID	smallint		YES
ShowPatientsBloodType	smallint		YES
ShowHeight	smallint		YES
ShowAdmissionWeight	smallint		YES
ShowBSA	smallint		YES
ShowAllergies	smallint		YES
RepeatedSet	smallint		YES
UnitID	smallint		YES
MixedParameterUnitID	smallint		YES
StandardTimes	nvarchar	255	YES
DrugMixSolutionParamterID	smallint		YES
DrugMixSolutionQauntity	real		YES
DrugMixSolutionUnitID	smallint		YES
Require2ndSignature2Order	tinyint		YES
Require2ndSignature2Validate	tinyint		YES
DefaultArrowIndex	tinyint		No
DrugNormalQuantity	real		YES

Name	Type	Size	IS_NULLABLE
DrugMaskQuantity	real		YES
DrugNormalRate	real		YES
DrugMaskRate	real		YES
ExternalCode	nvarchar	255	YES
OE_XML	ntext		YES
OE_XML_Description	nvarchar	2000	YES
LocationsCategoryID	smallint		YES
IsSecondary	bit		YES
DefaultPackageID	int		YES
HideInOrderEntry	bit		YES
RequireSecondApproval	bit		No
UseAsDefaultForExternalSys	bit		YES
AllowSSBySameUser	bit		No
Id	int		No
Description	nvarchar	500	YES
RouteCategoryID	smallint		YES

t_LocationsCategories Table

Description

The t_LocationsCategories table stores the order location categories.

Columns

Name	Type	Size	IS_NULLABLE
LocationCategoryID	smallint		No
Description	nvarchar	50	No

t_Locations Table

Description

The t_Locations table stores the order locations

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
Description	nvarchar	100	No
LocationCategoryID	smallint		YES

t_Routes Table

Description

The t_Routes table stores the routes for administering orders defined in the department.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
Description	nvarchar	50	No
TS	timestamp	8	YES
SortOrder	smallint		YES

t_RoutesCategories Table

Description

The t_RoutesCategories table stores the categories of routes for administering drugs.

Columns

Name	Type	Size	IS_NULLABLE
RouteCategoryID	smallint		No
Description	nvarchar	50	No

t_RoutesInCategories Table

Description

The t_RoutesInCategories table categorizes the routs according to route category (see the previous two tables).

Columns

Name	Type	Size	IS_NULLABLE
RouteID	smallint		No
RouteCategoryID	smallint		No

OrderParameterPackaging Table

Description

The OrderParameterPackaging table stores the types and parameters of packages (quantities, etc.) that orders of drugs and solutions come in.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Description	nvarchar	50	Yes
ParameterID	smallint		No
Quantity	real		No
UnitID	smallint		No
MixSolutionParameterID	smallint		No
MixSolutionQuantity	real		No
MixSolutionUnitID	smallint		No
ExternalCode	nvarchar	50	Yes
BarCode	nvarchar	50	Yes
ManufacturerID	smallint		Yes

Manufacturers Table

Description

The Manufacturers table stores the names of the drug manufacturers, along with their unique ID numbers.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
Name	nvarchar	50	No

ORD_LocksTemplates Table

Description

The ORD_LocksTemplates table stores the definitions of the templates for locking a parameter (quantity, rate, or duration) in fluid infusions orders.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
Description	nvarchar	255	No
Q1	tinyint		No
R1	tinyint		No
Q2	tinyint		No
R2	tinyint		No
Duration	tinyint		No
TotalVolume	tinyint		No
OrderCategoryType	smallint		No
ActiveMode	tinyint		No

ORD_GroupEntries Table

Description

The ORD_GroupEntries table stores the sets of orders and events according to groups.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Name	nvarchar	100	No
GroupXML	ntext		No
Description	nvarchar	2000	Yes

OrderApprovalUsersFilter Table

Description

The OrderApprovalUsersFilter table .

Columns

Name	Type	Size	IS_NULLABLE
ID	int	4	No
UserID	int	4	No
PatientID	int	4	Yes
BedID	smallint	2	Yes
LogicalUnitID	int	4	No

OrderRecordTS Table

Description

The The OrderRecordTS table stores timestamp data recorded during order validation.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int	4	No
OrderRecordTS	bigint	8	No

Ord_Reasons Table

Description

The Ord_Reasons table stores the following customized actions: reasons for skip, override skip, mark not administered, override mark not administered, and mark error.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
Description	nvarchar	255	NO
ReasonType	tinyint		NO
OwnerID	smallint		YES
SortOrder	smallint		YES

OrderReminderOrdCategories Table

Description

The OrderReminderOrdCategories table stores the order categories selected for a customized order view.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
OrderReminderID	int		NO
OrderCategoryID	smallint		NO

OrderReminders Table

Description

The OrderReminders table stores the properties for customized order reminders.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO

Name	Type	Size	IS_NULLABLE
ReminderName	nvarchar	100	NO
HideSelectAllButton	bit		NO
ShowOnlySets	bit		NO
HideRelatedToPumps	bit		NO
CategoriesShowAll	bit		NO
ToolBarID	int		YES
StatusFilter	smallint		NO
PRNFilter	smallint		NO
TimeStartFilter	smallint		NO
TimeEndFilter	smallint		NO
Ownerid	smallint		YES

ParentOrderActionsPermissions Table

Description

The ParentOrderActionsPermissions table stores user type permissions for parent order actions, for any given logical unit (department). Every user type (physician, nurse, etc.) can have one of the following permission levels: permission, permission on behalf of someone, or no permission – to perform actions on parent orders, for each parameter category.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
LogicalUnitID	int		NO
CategoryID	smallint		NO
UserTypeID	smallint		NO
Action	smallint		NO
Permission	tinyint		NO

ParentOrderSettings Table

Description

New order management settings can be customized differently for each logical unit. Variations in customization settings can include: mandatory or optional for routes, location and PRN indication, available order styles, time horizon. The ParentOrderSettings table stores the various new order management settings for each logical unit..

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
LogicalUnitID	int		NO
TimeHorizon	tinyint		YES
RoutesEntry	tinyint		NO
LocationsEntry	tinyint		NO
PRNIndication	tinyint		NO
PRNMaximumDose	tinyint		NO
ContinuousStyles	nvarchar	1	NO
NonContinuousStyles	nvarchar	1	NO
DepStandardDoseTimes	nchar	500	YES
PermitAddDoseTimes	bit		NO
EndAutomatically	int		NO
EndSuggest	int		NO
IntervalRoundingPolicy	tinyint		NO
DayRoundingPolicy	tinyint		NO
WeekRoundingPolicy	tinyint		NO
DefaultOrderedBy	tinyint		NO
UseParentCaption	bit		NO
AllowPRNFlagModify	bit		NO

PendingOrdersHistory Table

Description

The PendingOrdersHistory table stores archived pending orders.

Columns

Name	Type	Size	IS_NULLABLE
PlannedHistoryID	int		NO
PendingOrderID	int		NO
OrderID	int		YES
PatientID	int		NO
IssueUserID	int		NO
IssueDate	datetime		NO
OrderCategoryID	smallint		NO
Continuous	bit		NO
Comments	nvarchar	1000	YES
Warning	bit		NO
Route	smallint		YES
PrevPendingID	int		YES
Status	smallint		NO
GivenInPerKg	smallint		YES
PositionInSet	smallint		YES
PumpID	smallint		YES
RowOrderID	int		YES
LinkToOpenOrderID	int		YES
PatientWeight	real		YES
LocationID	smallint		YES
CallerID	uniqueidentifier		YES
AttachedFormID	uniqueidentifier		YES

Name	Type	Size	IS_NULLABLE
Completion_status	tinyint		YES
CancelUserID	int		YES
CancelDate	datetime		YES
ConfirmSessionID	int		YES
ActionType	smallint		YES
CancelledOrderID	int		YES
SecondSignature	int		YES
SecondSignatureTime	datetime		YES
ValidationUserID	int		YES
ValidationTime	datetime		YES
CancelReason	smallint		YES
ReplacePendingID	int		YES
Duration	real		YES
DurationUnitID	smallint		YES
TotalVolume	real		YES
TotalVolumeUnitID	smallint		YES
UserLockIndex	tinyint		YES
LocksValue	int		YES
IvLineVolume	real		YES
IsLinkedToPump	bit		YES
RateExcluded	bit		NO
History	smallint		NO
OriginalTotalSolutionRate	real		YES
AllergySecondSignature	int		YES
SecondApprovalSignature	int		YES
SecondApprovalDate	datetime		YES

Name	Type	Size	IS_NULLABLE
WasExported	smallint		YES
MiscID	int		YES
LinkedToPendingID	int		YES
OrderRecordTS	bigint		NO
OriginalPendingID	int		YES

PendingRangeSignalsHistory Table

Description

The PendingRangeSignalsHistory table stores archived range signals.

Columns

Name	Type	Size	IS_NULLABLE
PlannedHistoryID	int		NO
PendingOrderID	int		NO
ParameterID	smallint		NO
StartTime	datetime		NO
EndTime	datetime		NO
Value	real		NO
DripUnitID	smallint		YES
OrderComponentType	smallint		NO
OriginalAmount	real		YES
UnitID	smallint		YES
OriginalRate	real		NO
AdditiveInQuantity	smallint		NO
GivenInPerKG	smallint		NO
PairedParameterID	smallint		NO
ConcentrationQuantity	real		YES

Name	Type	Size	IS_NULLABLE
ConcentrationUnitID	smallint		YES

PlannedOrdersHistory Table

Description

The PlannedOrdersHistory table stores archived planned orders.

Columns

Name	Type	Size	IS_NULLABLE
PlannedHistoryID	int		NO
PlannedOriginalID	int		NO
PatientID	int		NO
IssueUserID	int		NO
IssueDate	datetime		NO
FirstOrderTime	datetime		YES
LastOrderTime	datetime		YES
OrderCategoryID	smallint		NO
Comments	nvarchar	1500	YES
PrevPlannedID	int		YES
NumOfOrdersInSet	smallint		YES
RepeatNextSet	smallint		YES
TS	timestamp		YES
AdministerXTimes	smallint		YES
AdministerIn	real		YES
AdministerInUnitID	smallint		YES
Continuous	bit		NO
StandardTimes	smallint		NO
RequireApproval	bit		NO

Name	Type	Size	IS_NULLABLE
ApprovalIssueUserID	int		YES
ApprovalDate	datetime		YES
EligibilityStartTime	datetime		YES
EligibilityEndTime	datetime		YES
ActionTypeID	smallint		YES
ActionUserID	int		YES
ActionTime	datetime		YES
OrderedByUserID	int		YES
PlanDetailsPendingID	int		YES
PlanDetailsStartTime	datetime		YES
Frequency	smallint		NO
StartConditionMethod	smallint		NO
StartSelectedTime	datetime		YES
StopConditionMethod	smallint		NO
StopSelectedTime	datetime		YES
Stop_XInstances	smallint		YES
Stop_TotalToAdmin	real		YES
Stop_TotalToAdminUnitID	smallint		YES
OrderStyle	smallint		YES
PRN	bit		NO
PRNIndication	nvarchar	500	YES
PRNMaxDailyDose	real		YES
PRNMaxDailyDoseUnitID	smallint		YES
ActiveStatusStart	datetime		YES
ActiveStatusEnd	datetime		YES
RescheduleTime	datetime		YES

Name	Type	Size	IS_NULLABLE
RescheduleUserID	int		YES
SchedulePivotDate	datetime		YES
FrequencyPattern	nvarchar	1	YES
NeedMaintenanceTime	datetime		YES
Caption	nvarchar	255	YES

t_LocationsInCategories Table

Description

The t_LocationsInCategories table retains the order of the locations of the order categories.

Columns

Name	Type	Size	IS_NULLABLE
LocationID	smallint		NO
LocationCategoryID	smallint		NO

Order Display Customization Tables

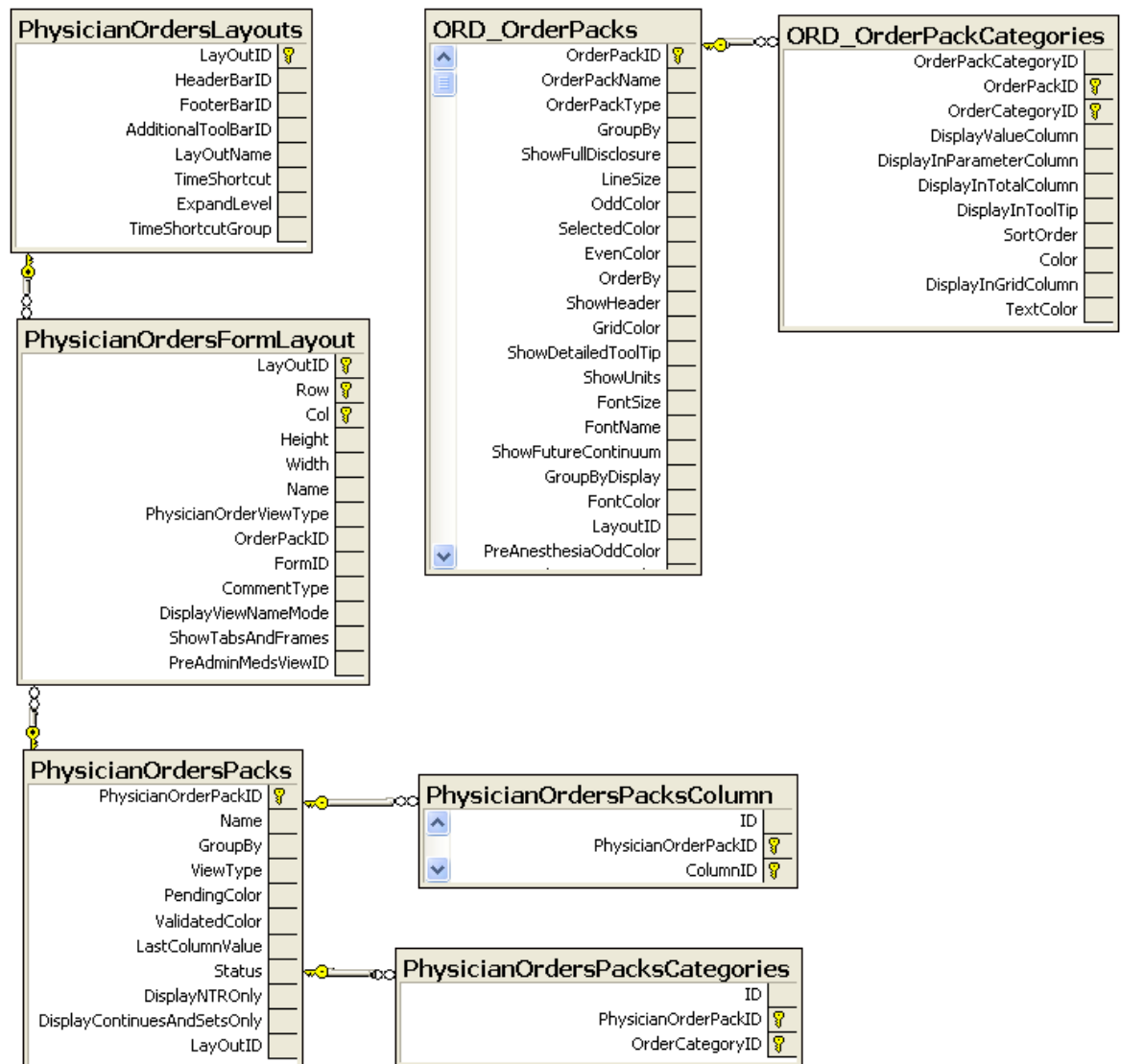
The Orders Display Customization sub-set, include the following tables:

- PhysicianOrdersPacks
- PhysicianOrdersPacksColumn
- PhysicianOrdersPacksCategories
- PhysicianOrdersFormLayout
- PhysicianOrdersLayouts
- ORD_OrderPacks
- ORD_OrderPackCategories

All of the above-listed tables store the customization parameters and properties for the way that physician-defining order packs are viewed in the MetaVision application.

The tables listed above are linked according to the following schema:

Figure 5: Schema of the Orders Display Customization Tables



PhysicianOrdersPacks Table

Description

The PhysicianOrdersPacks table stores the properties of the layout view for physician-defined order packs.

Columns

Name	Type	Size	IS_NULLABLE
PhysicianOrderPackID	smallint		No
Name	nvarchar	50	YES
GroupBy	tinyint		No
ViewType	tinyint		No
PendingColor	int		YES
ValidatedColor	int		YES
LastColumnValue	tinyint		YES
Status	int		YES
DisplayNTROnly	tinyint		YES
DisplayContinuesAndSetsOnly	bit		YES
LayOutID	int		YES

PhysicianOrdersPacksColumn Table

Description

The PhysicianOrdersPacksColumn table stores the properties of the columns defined for layout view for physician-defined order packs.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
PhysicianOrderPackID	smallint		No
ColumnID	tinyint		No
OrderNumber	tinyint		No

PhysicianOrdersPacksCategories Table

Description

The PhysicianOrdersPacksCategories table stores the properties of the categories for the physician-defined order packs.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
PhysicianOrderPackID	smallint		No
OrderCategoryID	smallint		No

PhysicianOrdersFormLayout Table

Description

The PhysicianOrdersFormLayout table stores the properties of the form layout view for physician-defined order packs.

Columns

Name	Type	Size	IS_NULLABLE
LayOutID	int		No
Row	smallint		No
Col	smallint		No
Height	smallint		No
Width	smallint		No
Name	nvarchar	50	YES
PhysicianOrderViewType	smallint		No
OrderPackID	smallint		YES
FormID	uniqueidentifier		YES
CommentType	smallint		YES
DisplayViewNameMode	tinyint		YES

PhysicianOrdersLayouts Table

Description

The PhysicianOrdersLayouts table stores the properties of the layout view for physician-defined order packs.

Columns

Name	Type	Size	IS_NULLABLE
LayOutID	int		No
HeaderBarID	int		No
FooterBarID	int		No
AdditionalToolBarID	int		YES
LayOutName	varchar	50	No
TimeShortcut	smallint		YES
ExpandLevel	tinyint		YES
TimeShortcutGroup	nvarchar	255	No

ORD_OrderPacks Table

Description

The ORD_OrderPacks table stores the properties of the customized order packs that were defined in the MetaVision Customization Tool.

Columns

Name	Type	Size	IS_NULLABLE
OrderPackID	int		No
OrderPackName	nvarchar	50	YES
OrderPackType	smallint		YES
GroupBy	smallint		No
ShowFullDisclosure	smallint		No
LineSize	smallint		No
OddColor	int		No
SelectedColor	int		YES
EvenColor	int		No
OrderBy	smallint		No
ShowHeader	tinyint		No
GridColor	int		YES
ShowDetailedToolTip	bit		YES
ShowUnits	tinyint		YES
FontSize	real		YES
FontName	nvarchar	50	YES
ShowFutureContinuum	bit		YES
GroupByDisplay	smallint		YES
FontColor	int		YES
LayoutID	int		YES
PreAnesthesiaOddColor	int		YES

Name	Type	Size	IS_NULLABLE
PreAnesthesiaEvenColor	int		YES
PostAnesthesiaEvenColor	int		YES
PostAnesthesiaOddColor	int		YES
SortOrder	smallint		YES
DisplaySigns	smallint		YES
ShowNTRInGridGantt	bit		YES
NTRFilter	smallint		YES

ORD_OrderPackCategories Table

Description

The ORD_OrderPackCategories table stores the properties of the categories of customized order packs that were defined in the MetaVision Customization Tool.

Columns

Name	Type	Size	IS_NULLABLE
OrderPackCategoryID	int		No
OrderPackID	int		No
OrderCategoryID	smallint		No
DisplayValueColumn	smallint		No
DisplayInParameterColumn	smallint		No
DisplayInTotalColumn	smallint		No
DisplayInToolTip	smallint		No
SortOrder	smallint		No
Color	int		No
DisplayInGridColumn	smallint		YES
TextColor	int		YES

Orders Sets Tables

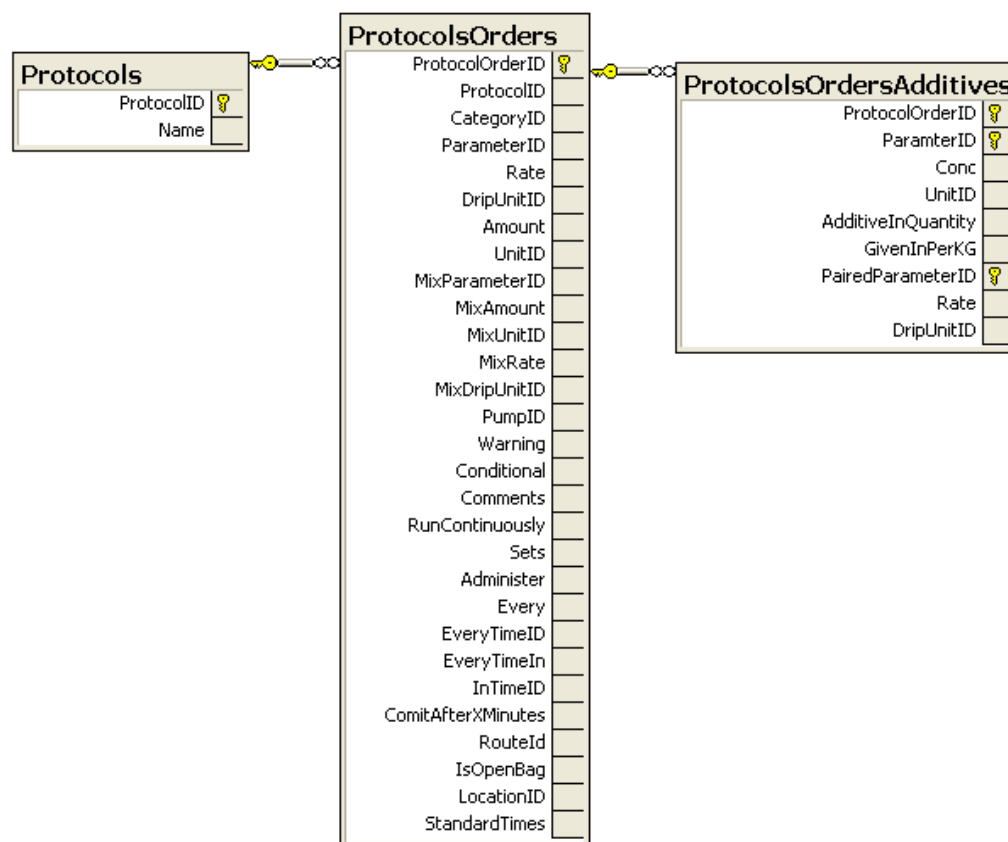
	Note	The Order Sets tables are not in use.
-----------------------------------------------------------------------------------	-------------	---------------------------------------

The Orders Sets include the following tables:

- Protocols
- ProtocolsOrders
- ProtocolsOrdersAdditives

The tables listed above are linked according to the following schema:

Figure 6. Schema of the Orders Sets Tables



Protocols Table

Description

This table is not in use

Columns

Name	Type	Size	IS_NULLABLE
ProtocolID	smallint		No
Name	nvarchar	50	Yes

ProtocolsOrders Table

Description

This table is not in use

Columns

Name	Type	Size	IS_NULLABLE
ProtocolOrderID	smallint		No
ProtocolID	smallint		No
CategoryID	smallint		No
ParameterID	smallint		No
Rate	real		No
DripUnitID	smallint		No
Amount	real		No
UnitID	smallint		No
MixParameterID	smallint		YES
MixAmount	real		YES
MixUnitID	smallint		YES
MixRate	real		YES
MixDripUnitID	smallint		YES
PumpID	smallint		YES

Name	Type	Size	IS_NULLABLE
Warning	bit		YES
Conditional	bit		YES
Comments	nvarchar	255	YES
RunContinuously	bit		YES
Sets	bit		YES
Administer	smallint		YES
Every	real		YES
EveryTimeID	smallint		YES
EveryTimeIn	smallint		YES
InTimeID	smallint		YES
ComitAfterXMinutes	smallint		YES
RoutelD	smallint		YES
IsOpenBag	smallint		YES
LocationID	smallint		YES
StandardTimes	nvarchar	255	YES

ProtocolsOrdersAdditives Table

Description

This table is not in use

Columns

Name	Type	Size	IS_NULLABLE
ProtocolOrderID	smallint		No
ParamterID	smallint		No
Conc	real		No
UnitID	smallint		No
AdditiveInQuantity	smallint		No

Name	Type	Size	IS_NULLABLE
GivenInPerKG	smallint		No
PairedParameterID	smallint		No
Rate	real		YES
DripUnitID	smallint		YES

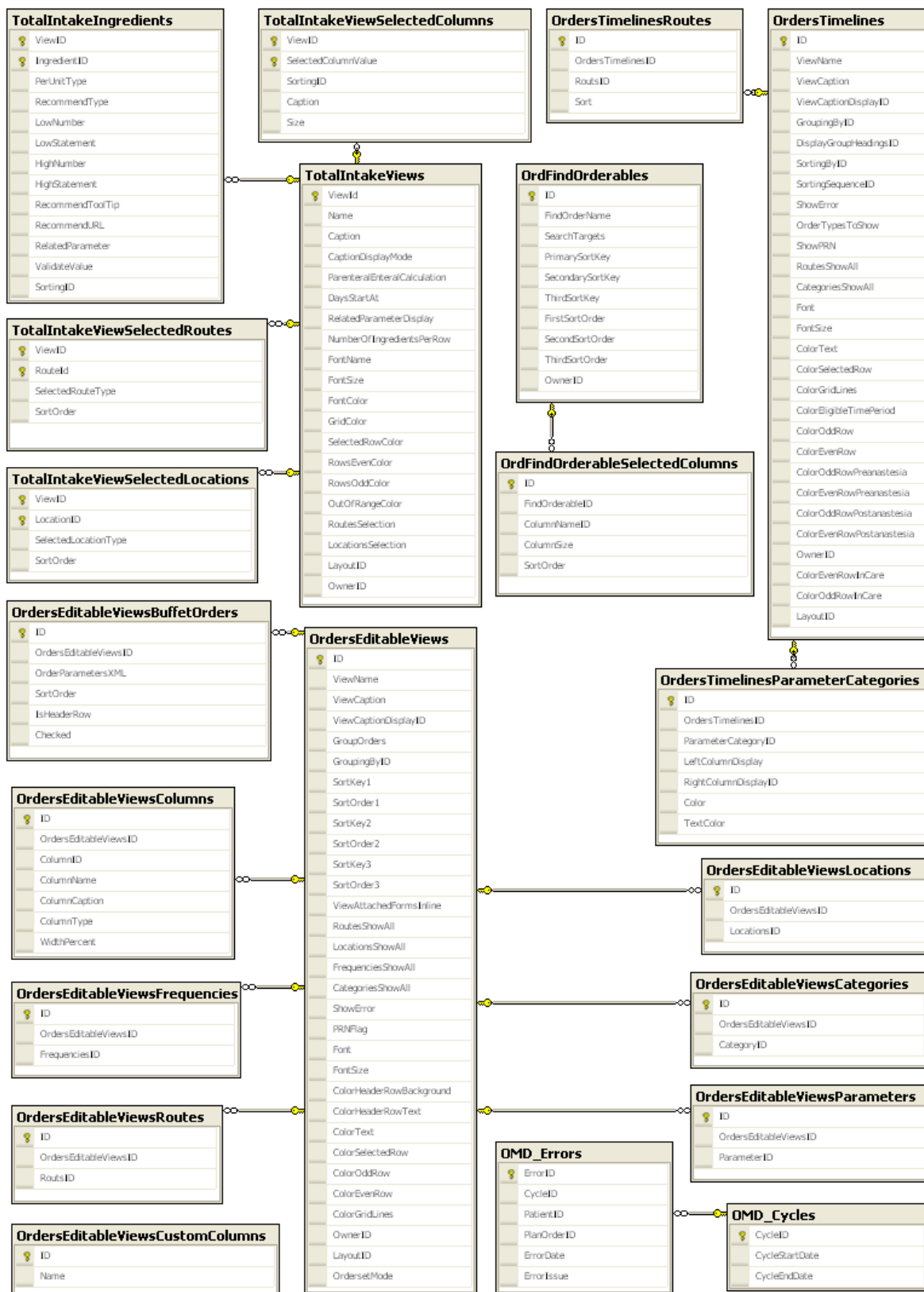
New Orders Management Customization Tables

The New Orders Management includes the following tables:

- OMD_Cycles
- OMD_Errors
- OrdersEditableViews
- OrdersEditableViewsBuffetOrders
- OrdersEditableViewsCategories
- OrdersEditableViewsColumns
- OrdersEditableViewsCustomColumns
- OrdersEditableViewsFrequencies
- OrdersEditableViewsLocations
- OrdersEditableViewsParameters
- OrdersEditableViewsRoutes
- OrdersTimelines
- OrdersTimelinesParameterCategories
- OrdersTimelinesRoutes
- OrdFindOrderables
- OrdFindOrderableSelectedColumns
- TotalIntakeIngredients
- TotalIntakeViews
- TotalIntakeViewSelectedColumns
- TotalIntakeViewSelectedLocations
- TotalIntakeViewSelectedRoutes

The tables listed above are linked according to the following schema:

Figure 7. Schema of the New Orders Management Customization Tables



OMD_Cycles Table

Description

The OMD_Cycles table stores the scheduling for the order maintenance driver.

Columns

Name	Type	Size	IS_NULLABLE
CycleID	int		NO
CycleStartDate	datetime		NO
CycleEndDate	datetime		YES

OMD_Errors Table

Description

The OMD_Errors table holds errors for the order maintenance driver.

Columns

Name	Type	Size	IS_NULLABLE
ErrorID	int		NO
CycleID	int		NO
PatientID	int		NO
PlanOrderID	int		NO
ErrorDate	datetime		NO
ErrorIssue	nvarchar	3000	YES

OrdersEditableViews Table

Description

The OrdersEditableViews table stores the list of all OrderEditList (Order profile) views.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
ViewName	nvarchar	100	NO

Name	Type	Size	IS_NULLABLE
ViewCaption	nvarchar	100	NO
ViewCaptionDisplayID	tinyint		NO
GroupOrders	bit		NO
GroupingByID	tinyint		NO
SortKey1	tinyint		NO
SortOrder1	tinyint		NO
SortKey2	tinyint		NO
SortOrder2	tinyint		NO
SortKey3	tinyint		NO
SortOrder3	tinyint		NO
ViewAttachedFormsInline	bit		NO
RoutesShowAll	bit		NO
LocationsShowAll	bit		NO
FrequenciesShowAll	bit		NO
CategoriesShowAll	bit		NO
ShowError	bit		NO
PRNFlag	tinyint		NO
Font	nvarchar	50	NO
FontSize	tinyint		NO
ColorHeaderRowBackground	int		YES
ColorHeaderRowText	int		YES
ColorText	int		YES
ColorSelectedRow	int		YES
ColorOddRow	int		YES
ColorEvenRow	int		YES
ColorGridLines	int		YES

Name	Type	Size	IS_NULLABLE
OwnerID	smallint		YES
LayoutID	int		YES
OrderSetMode	bit		NO

OrdersEditableViewsBuffetOrders Table

Description

The OrdersEditableViewsBuffetOrders table stores the entire Buffet Parent order per view.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
OrdersEditableViewsID	int		NO
OrderParametersXML	nvarchar	1	NO
SortOrder	smallint		NO
IsHeaderRow	bit		NO
Checked	bit		NO

OrdersEditableViewsCategories Table

Description

The OrdersEditableViewsCategories table stores the categories of the editable order view.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
OrdersEditableViewsID	int		NO
CategoryID	smallint		NO

OrdersEditableViewsColumns Table

Description

The OrdersEditableViewsColumns table stores columns of the Parent orders, as displayed per editable order list view.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
OrdersEditableViewsID	int		NO
ColumnID	smallint		NO
ColumnName	nvarchar	50	YES
ColumnCaption	nvarchar	50	NO
ColumnType	tinyint		NO
WidthPercent	tinyint		NO

OrdersEditableViewsCustomColumns Table

Description

The OrdersEditableViewsCustomColumns table stores custom columns for edit order list view.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
Name	nvarchar	50	NO

OrdersEditableViewsFrequencies Table

Description

The OrdersEditableViewsFrequencies table stores selected order categories per editable order list view.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
OrdersEditableViewsID	int		NO
FrequenciesID	smallint		NO

OrdersEditableViewsLocations Table

Description

The OrdersEditableViewsLocations table stores filter locations per editable order list view.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
OrdersEditableViewsID	int		NO
LocationsID	smallint		NO

OrdersEditableViewsParameters Table

Description

The OrdersEditableViewsParameters table stores parameters filter per editable order list view.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
OrdersEditableViewsID	int		NO
ParameterID	smallint		NO

OrdersEditableViewsRoutes Table

Description

The OrdersEditableViewsRoutes table stores all of the filter routes per editable order list view.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
OrdersEditableViewsID	int		NO
RoutesID	smallint		NO

OrdersTimelines Table

Description

The OrdersTimelines table stores customization data about the Order Time Line view.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
ViewName	nvarchar	100	NO
ViewCaption	nvarchar	100	NO
ViewCaptionDisplayID	tinyint		NO
GroupingByID	tinyint		NO
DisplayGroupHeadingsID	tinyint		NO
SortingByID	tinyint		NO
SortingSequenceID	tinyint		NO
ShowError	bit		NO
OrderTypesToShow	nvarchar	1	NO
ShowPRN	nvarchar	1	NO
RoutesShowAll	bit		NO
CategoriesShowAll	bit		NO
Font	nchar	30	NO

Name	Type	Size	IS_NULLABLE
FontSize	tinyint		NO
ColorText	int		YES
ColorSelectedRow	int		YES
ColorGridLines	int		YES
ColorEligibleTimePeriod	int		YES
ColorOddRow	int		YES
ColorEvenRow	int		YES
ColorOddRowPreatesthesia	int		YES
ColorEvenRowPreatesthesia	int		YES
ColorOddRowPostanesthesia	int		YES
ColorEvenRowPostanesthesia	int		YES
OwnerID	smallint		YES
ColorEvenRowInCare	int		YES
ColorOddRowInCare	int		YES
LayoutID	int		YES

OrdersTimelinesParameterCategories Table

Description

The OrdersTimelinesParameterCategories table stores selected parameters categories for customized total intake view.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
OrdersTimelinesID	int		NO
ParameterCategoryID	smallint		NO
LeftColumnDisplay	nvarchar	1	NO
RightColumnDisplayID	tinyint		NO

Name	Type	Size	IS_NULLABLE
Color	int		YES
TextColor	int		YES

OrdersTimelinesRoutes Table

Description

The OrdersTimelinesRoutes table stores selected routes for customized total intake view.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
OrdersTimelinesID	int		NO
RoutesID	smallint		NO
Sort	smallint		NO

OrdFindOrderables Table

Description

The OrdFindOrderables table stores a list of the customized properties of Find Orderable objects.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
FindOrderName	nvarchar	200	NO
SearchTargets	tinyint		NO
PrimarySortKey	tinyint		NO
SecondarySortKey	tinyint		NO
ThirdSortKey	tinyint		NO
FirstSortOrder	tinyint		NO
SecondSortOrder	tinyint		NO

Name	Type	Size	IS_NULLABLE
ThirdSortOrder	tinyint		NO
OwnerID	smallint		YES

OrdFindOrderableSelectedColumns Table

Description

The OrdFindOrderableSelectedColumns table stores properties of selected columns for Find Orderable objects.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
FindOrderableID	int		NO
ColumnNameID	tinyint		NO
ColumnSize	tinyint		NO
SortOrder	tinyint		NO

TotalIntakeIngredients Table

Description

The TotalIntakeIngredients table stores the ingredients selected for a customized total intake view.

Columns

Name	Type	Size	IS_NULLABLE
ViewID	int		NO
IngredientID	smallint		NO
PerUnitType	tinyint		NO
RecommendType	tinyint		NO
LowNumber	real		YES
LowStatement	int		YES

Name	Type	Size	IS_NULLABLE
HighNumber	real		YES
HighStatement	int		YES
RecommendToolTip	nvarchar	200	YES
RecommendURL	nvarchar	100	YES
RelatedParameter	smallint		YES
ValidateValue	bit		NO
SortingID	int		NO

TotalIntakeViews Table

Description

The TotalIntakeViews table stores the customized properties for total intake view.

Columns

Name	Type	Size	IS_NULLABLE
ViewId	int		NO
Name	nvarchar	60	NO
Caption	nvarchar	60	NO
CaptionDisplayMode	tinyint		NO
ParenteralEnteralCalculation	tinyint		NO
DaysStartAt	tinyint		NO
RelatedParameterDisplay	tinyint		NO
NumberOfIngredientsPerRow	tinyint		NO
FontName	nvarchar	120	NO
FontSize	smallint		NO
FontColor	int		NO
GridColor	int		NO
SelectedRowColor	int		NO

Name	Type	Size	IS_NULLABLE
RowsEvenColor	int		NO
RowsOddColor	int		NO
OutOfRangeColor	int		NO
RoutesSelection	tinyint		NO
LocationsSelection	tinyint		NO
LayoutID	int		YES
OwnerID	smallint		YES

TotalIntakeViewSelectedColumns Table

Description

The TotalIntakeViewSelectedColumns table stores the selected columns for customized total intake view.

Columns

Name	Type	Size	IS_NULLABLE
ViewID	int		NO
SelectedColumnValue	int		NO
SortingID	int		NO
Caption	nvarchar	100	YES
Size	tinyint		NO

TotalIntakeViewSelectedLocations Table

Description

The TotalIntakeViewSelectedLocations table stores the selected locations for customized total intake view.

Columns

Name	Type	Size	IS_NULLABLE
ViewID	int		NO
LocationID	smallint		NO
SelectedLocationType	tinyint		YES
SortOrder	smallint		YES

TotalIntakeViewSelectedRoutes Table

Description

The TotalIntakeViewSelectedRoutes table stores the selected routes for customized total intake view.

Columns

Name	Type	Size	IS_NULLABLE
ViewID	int		NO
RouteId	smallint		NO
SelectedRouteType	tinyint		NO
SortOrder	smallint		YES

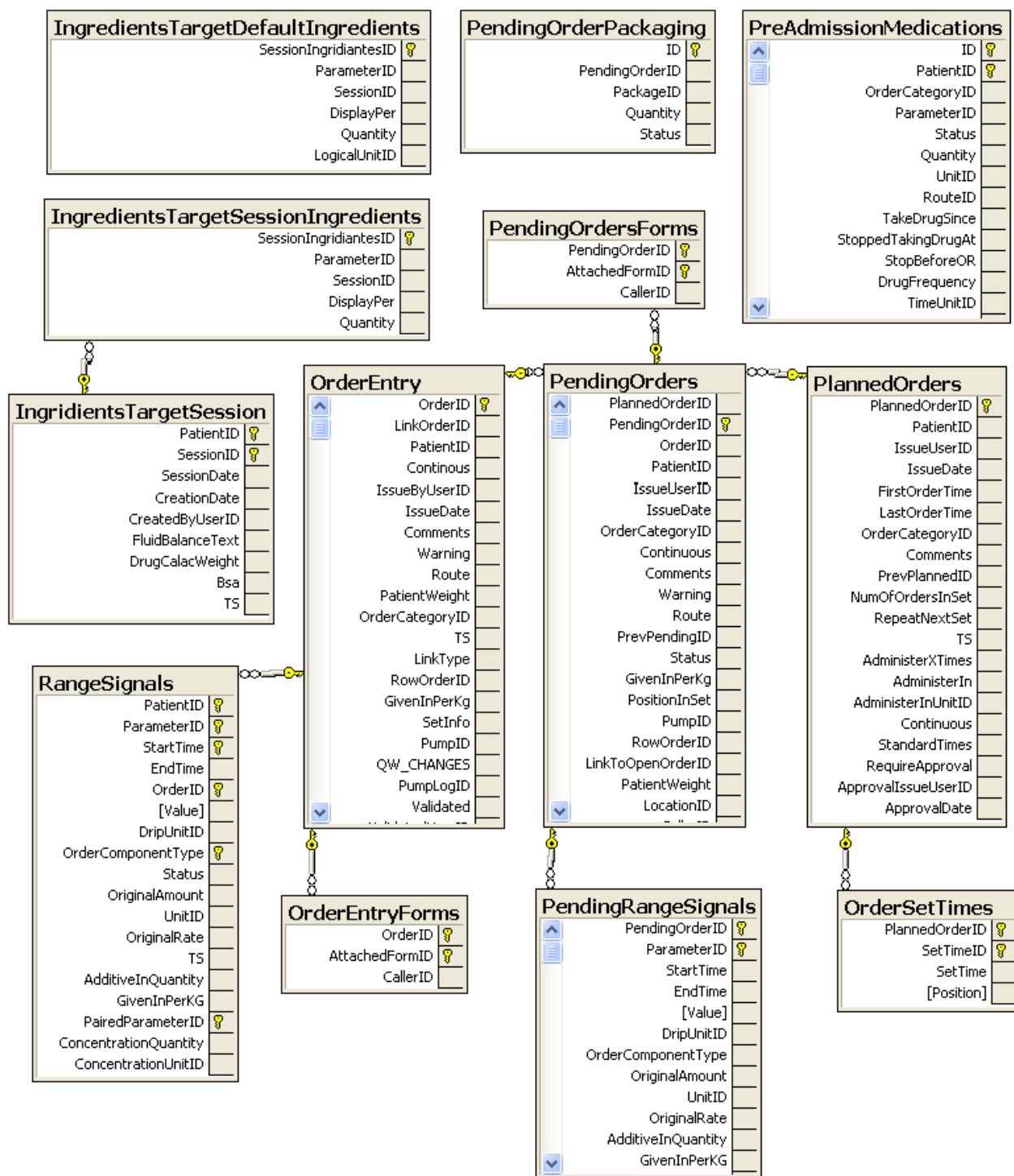
Patient Data Tables

The Patient Data set of the Orders module includes the following tables:

- OrderEntry
- RangeSignals
- OrderEntryForms
- PendingOrders
- PlannedOrders
- OrderSetTimes
- PendingOrdersForms
- PendingRangeSignals
- IngredientsTargetSession
- IngredientsTargetSessionIngredients
- IngredientsTargetDefaultIngredients
- PendingOrderPackaging
- PreAdmissionMedications

The tables listed above are linked according to the following schema:

Figure 8. Schema of the Patient Data Tables



OrderEntry Table

Description

The OrderEntry table groups range signals into an order. The OrderEntry table stores common data of validated orders (validation time, validation user, comments,route etc). Each record describes one section of a link order. Records are grouped using the LinkOrderID column, that points to the first OrderID of the link.

Columns

Name	Type	Size	IS_NULLABLE
OrderID	int		No
LinkOrderID	int		No
PatientID	int		No
Continuous	bit		No
IssueByUserID	int		Yes
IssueDate	datetime		No
Comments	nvarchar	1000	Yes
Warning	bit		No
Route	smallint		Yes
PatientWeight	real		No
OrderCategoryID	smallint		No
TS	timestamp	8	Yes
LinkType	smallint		Yes
RowOrderID	int		No
GivenInPerKg	smallint		Yes
SetInfo	nvarchar	50	Yes
PumpID	smallint		Yes
QW_CHANGES	smallint		Yes
PumpLogID	int		Yes
Validated	smallint		Yes
ValidatedUserID	int		Yes

Name	Type	Size	IS_NULLABLE
ValidatedTime	smalldatetime		Yes
IsOpenBag	bit		Yes
LocationID	smallint		Yes
CallerID	uniqueidentifier		Yes
AttachedFormID	uniqueidentifier		Yes
SecondSignature	int		Yes
SecondSignatureTime	datetime		Yes
CancelReason	smallint		Yes
Duration	real		Yes
DurationUnitID	smallint		Yes
TotalVolume	real		Yes
TotalVolumeUnitID	smallint		Yes
UserLockIndex	tinyint		Yes
LocksValue	int		Yes
IvLineVolume	real		Yes
RateExcluded	bit		No
OriginalTotalSolutionRate	real		Yes
RecordTS	datetime		Yes
ContinueInNextDept	bit		No

RangeSignals Table

Description

The RangeSignals table stores all range signal values (drugs, solutions, ingredients, additives, processes) having each order component inserted as a record.

Solutions parameters will be divided to ingredients. Values are saved in base units. Quantity is calculated by (End time –Start time) in minutes * value.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
ParameterID	smallint		No
StartTime	datetime		No
EndTime	datetime		No
OrderID	int		No
Value	real		No
DripUnitID	smallint		Yes
OrderComponentType	smallint		No
Status	smallint		No
OriginalAmount	real		No
UnitID	smallint		No
OriginalRate	real		Yes
TS	timestamp	8	Yes
AdditiveInQuantity	smallint		No
GivenInPerKG	smallint		No
PairedParameterID	smallint		No
ConcentrationQuantity	real		Yes
ConcentrationUnitID	smallint		Yes

OrderEntryForms Table

Description

The OrderEntryForms table stores the properties of the forms attached to order entries.

Columns

Name	Type	Size	IS_NULLABLE
OrderID	int		No

Name	Type	Size	IS_NULLABLE
AttachedFormID	uniqueidentifier		No
CallerID	uniqueidentifier		No

PendingOrders Table

Description

The Pending orders table is used to group pending order components and store common data of pending and initiated orders, the original planning data of order repetitions and keep pending actions (change stop etc).

For each change in pending orders a new row is inserted and one is cancelled.

Columns

Name	Type	Size	IS_NULLABLE
PlannedOrderID	int		No
PendingOrderID	int		No
OrderID	int		YES
PatientID	int		No
IssueUserID	int		No
IssueDate	datetime		No
OrderCategoryID	smallint		No
Continuous	bit		No
Comments	nvarchar	1000	YES
Warning	bit		No
Route	smallint		YES
PrevPendingID	int		YES
Status	smallint		No
GivenInPerKg	smallint		YES
PositionInSet	smallint		YES
PumpID	smallint		YES

Name	Type	Size	IS_NULLABLE
RowOrderID	int		YES
LinkToOpenOrderID	int		YES
PatientWeight	real		YES
LocationID	smallint		YES
CallerID	uniqueidentifier		YES
AttachedFormID	uniqueidentifier		YES
TS	timestamp	8	YES
Completion_status	tinyint		YES
CancelUserID	int		YES
CancelDate	datetime		YES
ConfirmSessionID	int		YES
ActionType	tinyint		YES
CancelledOrderID	int		YES
SecondSignature	int		YES
SecondSignatureTime	datetime		YES
ValidationUserID	int		YES
ValidationTime	datetime		YES
CancelReason	smallint		YES
ReplacePendingID	int		YES
Duration	real		YES
DurationUnitID	smallint		YES
TotalVolume	real		YES
TotalVolumeUnitID	smallint		YES
UserLockIndex	tinyint		YES
LocksValue	int		YES
lvLineVolume	real		YES

Name	Type	Size	IS_NULLABLE
IsLinkedToPump	bit		YES
RateExcluded	bit		No
History	smallint		No
OriginalTotalSolutionRate	real		YES
AllergySecondSignature	int		YES
SecondApprovalSignature	int		YES
RecordTS	datetime		YES
WasExported	smallint		YES

PlannedOrders Table

Description

The PlannedOrders table groups order repetitions, stores order user details, scheduler details and set information of patient planning orders.

Columns

Name	Type	Size	IS_NULLABLE
PlannedOrderID	int		No
PatientID	int		No
IssueUserID	int		No
IssueDate	datetime		No
FirstOrderTime	datetime		YES
LastOrderTime	datetime		YES
OrderCategoryID	smallint		No
Comments	nvarchar	1000	YES
PrevPlannedID	int		YES
NumOfOrdersInSet	smallint		YES
RepeatNextSet	smallint		YES

Name	Type	Size	IS_NULLABLE
TS	timestamp	8	YES
AdministerXTimes	smallint		YES
AdministerIn	real		YES
AdministerInUnitID	smallint		YES
Continuous	bit		No
StandardTimes	smallint		No
RequireApproval	bit		No
ApprovalIssueUserID	int		YES
ApprovalDate	datetime		YES

OrderSetTimes Table

Description

The OrderSetTimes table stores the customized set times parameters for the planned orders.

Columns

Name	Type	Size	IS_NULLABLE
PlannedOrderID	int		No
SetTimeID	int		No
SetTime	datetime		No
Position	smallint		No

PendingOrderForms Table

Description

The PendingOrdersForms table stores the properties of the forms attached to Pending Orders.

Columns

Name	Type	Size	IS_NULLABLE
PendingOrderID	int		No

Name	Type	Size	IS_NULLABLE
AttachedFormID	uniqueidentifier		No
CallerID	uniqueidentifier		No

PendingRangeSignals Table

Description

The PendingRangeSignals table stores the details for each component of the pending orders. The table stores all range signal values (drugs, solutions, ingredients, additives, Process) having each order component inserted as one record. Solutions parameters will be divided to ingredients, each having its own record.

Values are saved in base units

Quantity planned, for validated ranges can be calculated by (End time –Start time) in minutes * value.

Columns

Name	Type	Size	IS_NULLABLE
PendingOrderID	int		No
ParameterID	smallint		No
StartTime	datetime		No
EndTime	datetime		No
Value	real		No
DripUnitID	smallint		YES
OrderComponentType	smallint		No
OriginalAmount	real		YES
UnitID	smallint		YES
OriginalRate	real		No
AdditiveInQuantity	smallint		No
GivenInPerKG	smallint		No
PairedParameterID	smallint		No
ConcentrationQuantity	real		YES

Name	Type	Size	IS_NULLABLE
ConcentrationUnitID	smallint		YES
DailyDose	real		YES
DailyDoseUnitID	int		YES
DailyDoseUnitofMeasure	tinyint		YES
DailyDoseMode	bit		YES
MixedDailyDose	real		YES
MixedDailyDoseUnitID	int		YES
MixedDailyDoseUnitofMeasure	tinyint		YES
MixedDailyDoseMode	bit		YES

IngridientsTargetSession Table

Description

The IngridientsTargetSession table manages the target sessions of the patients.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
SessionID	int		No
SessionDate	smalldatetime		No
CreationDate	datetime		YES
CreatedByUserID	int		No
FluidBalanceText	nvarchar	50	YES
DrugCalacWeight	real		YES
Bsa	real		YES
TS	timestamp	8	YES

IngredientsTargetSessionIngredients Table

Description

The IngredientsTargetSessionIngredients table stores the ingredients for each target session..

Columns

Name	Type	Size	IS_NULLABLE
SessionIngridiantesID	int		No
ParameterID	smallint		No
SessionID	int		YES
DisplayPer	smallint		No
Quantity	real		No

IngredientsTargetDefaultIngredients Table

Description

The IngredientsTargetDefaultIngredients table stores the default values of the ingredients for each target.

Columns

Name	Type	Size	IS_NULLABLE
SessionIngridiantesID	int		No
ParameterID	smallint		No
SessionID	int		YES
DisplayPer	smallint		No
Quantity	real		No
LogicalUnitID	int		YES

PendingOrderPackaging Table

Description

The PendingOrdersPackaging table stores the properties of the packaging (quantities, etc.) of drug orders that are pending or initiated.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
PendingOrderID	int		No
PackageID	int		No
Quantity	real		No
Status	tinyint		No

PreAdmissionMedications Table

Description

The PreAdmissionMedication table stores the information on drug orders that patients are taking prior to their admission into the department.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
PatientID	int		No
OrderCategoryID	smallint		No
ParameterID	smallint		No
Status	tinyint		No
Quantity	real		YES
UnitID	smallint		YES
RoutelD	smallint		YES
TakeDrugSince	datetime		YES
StoppedTakingDrugAt	datetime		YES
StopBeforeOR	datetime		YES
DrugFrequency	smallint		YES
TimeUnitID	smallint		YES
Reason	nvarchar	2000	YES
ContinueDrug	bit		YES
Comments	nvarchar	2000	YES
IssueUserID	int		YES
CancelUserID	int		YES
IssueTime	datetime		YES
CancelTime	datetime		YES

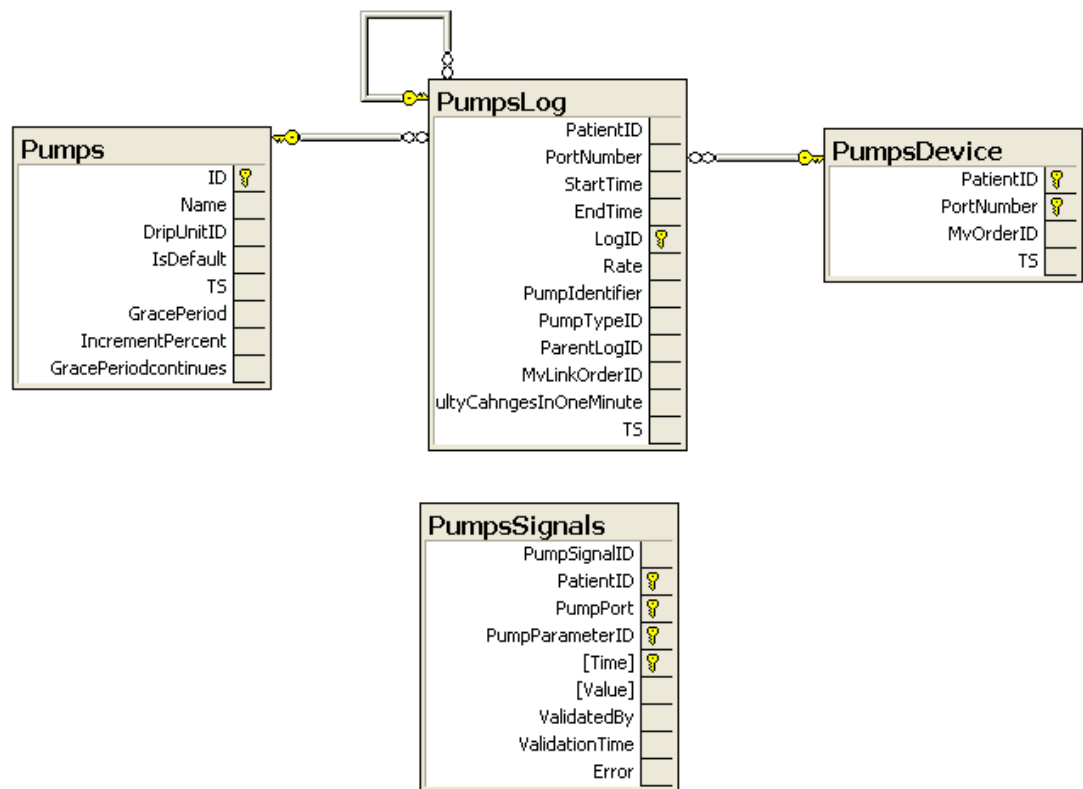
Pumps Patients Data Tables

The Pumps Patient Data part of the Orders module include the following tables:

- Pumps
- PumpsLog
- PumpsDevice
- PumpsSignals

The tables listed above are linked according to the following schema:

Figure 9. Schema of the Pumps Patient Data Tables



Pumps Table

Description

The PumpsDevice table stores the pump device mapped for the different patients and the order they are mapped to.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
Name	nvarchar	30	No
DripUnitID	smallint		No
IsDefault	bit		No
TS	timestamp	8	YES
GracePeriod	smallint		YES
IncrementPercent	smallint		YES
GracePeriodcontinues	smallint		YES

PumpsLog Table

Description

The PumpLog table stores data coming from the pump devices.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
PortNumber	smallint		No
StartTime	smalldatetime		No
EndTime	smalldatetime		YES
LogID	int		No
Rate	real		No
PumpIdentifier	smallint		YES
PumpTypeID	smallint		No

Name	Type	Size	IS_NULLABLE
ParentLogID	int		YES
MvLinkOrderID	int		YES
HasMultyCahngesInOneMinute	bit		YES
TS	timestamp	8	YES

PumpsDevice Table

Description

The PumpsDevice table stores the pump device mapped for the different patients and the order they are mapped to.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
PortNumber	smallint		No
MvOrderID	int		YES
TS	timestamp	8	YES

PumpsSignals Table

Description

The PumpsSignals table stores all pump signal values (port, parameter, value, time, etc.) from each mapped pump, having each signal component inserted as a record..

Columns

Name	Type	Size	IS_NULLABLE
PumpSignalID	int		No
PatientID	int		No
PumpPort	smallint		No
PumpParameterID	smallint		No
Time	datetime		No

Name	Type	Size	IS_NULLABLE
Value	nvarchar	200	No
ValidatedBy	smallint		YES
ValidationTime	datetime		YES
Error	bit		YES
PumpSignalID	int		No
PatientID	int		No
PumpPort	smallint		No

Labs Patient Data Tables

NewLabResults Table

Description

The NewLabResults table stores data from lab results.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
ParameterId	smallint		No
Time	datetime		No
Updatetime	datetime		No
ParameterType	smallint		No
Reviewed	bit		Yes

PARAMETERS

This Module

The Parameters module consists of two sets of tables:

- Parameters Customize Data Tables
- Parameters Patient Data Tables

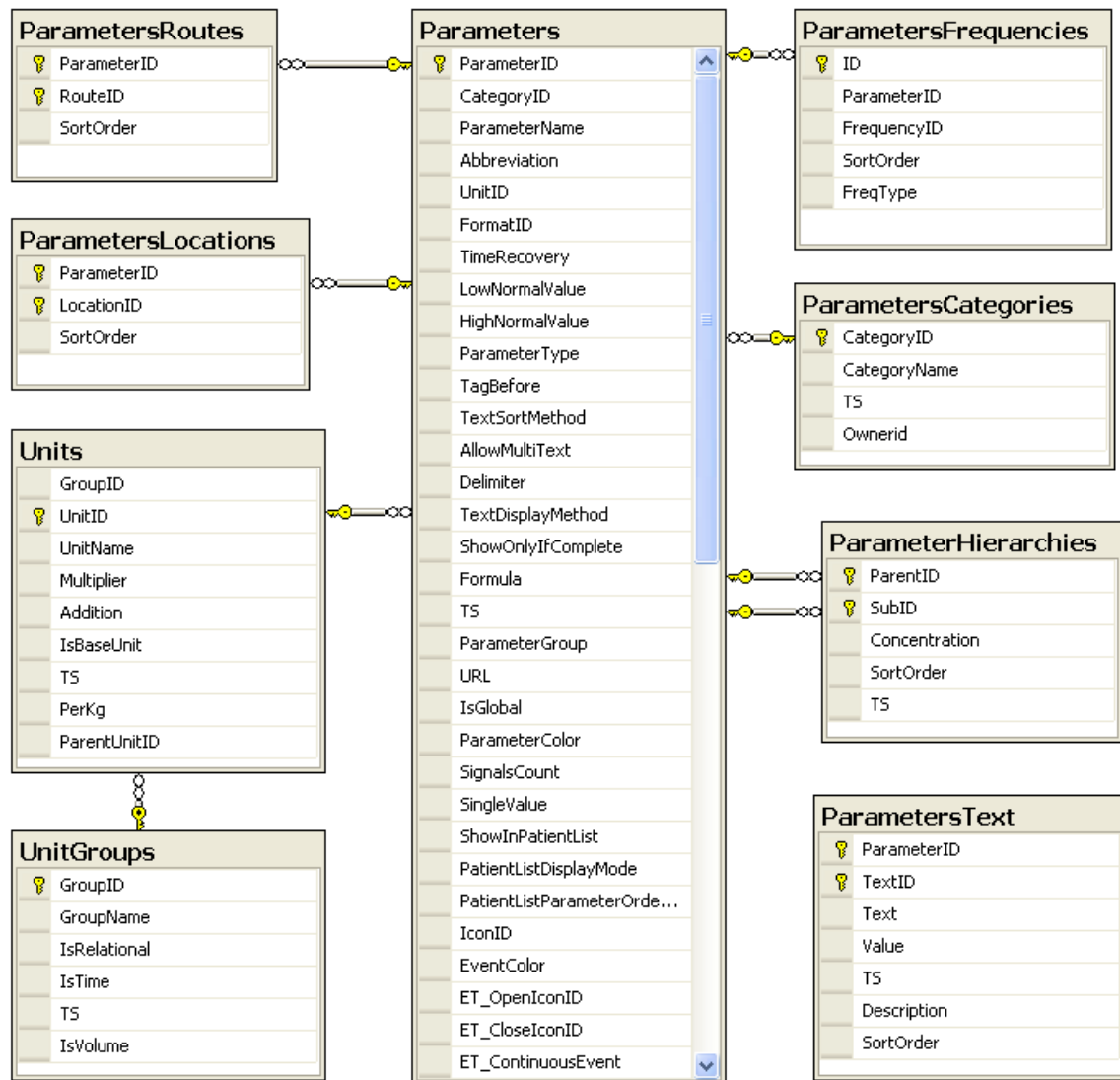
Parameters Customize Data Tables

The Parameters Customize Data tables include the following tables:

- Units
- UnitGroups
- Parameters
- ParametersCategories
- ParametersText
- ParameterHierarchies
- ParametersFrequencies
- ParametersLocations
- ParametersRoutes

The tables listed above are linked according to the following schema:

Figure 10. Schema of the Parameters Customize Data Tables



Units Table

Description

The Units table defines the units in the department.

Units having the “Allow per kg” setting set are stored as 2 different units; [UnitName] and [UnitName/kg]. The unit [UnitName/kg] has the PerKg field set to 1 and its ParentUnitID field points to the ID of [UnitName].

Values of parameters are stored in the different tables in the system using their base units. In order to convert the value from the base unit to the default unit of the parameter do the following calculation:

$(\text{BaseAmount} - \text{Addition}) / \text{Multiplier}$

Columns

Name	Type	Size	IS_NULLABLE
GroupID	smallint		No
UnitID	smallint		No
UnitName	nvarchar	50	No
Multiplier	real		No
Addition	real		No
IsBaseUnit	bit		No
TS	timestamp	8	YES
PerKg	smallint		YES
ParentUnitID	smallint		YES

UnitGroups Table

Description

The UnitGroups table defines the unit groups in the department.

Columns

Name	Type	Size	IS_NULLABLE
GroupID	smallint		No
GroupName	nvarchar	50	No
IsRelational	bit		No
IsTime	bit		No
TS	timestamp	8	YES
IsVolume	bit		No

Parameters Table

Description

The Parameters table stores the settings of the parameters.

Columns

Name	Type	Size	IS_NULLABLE
ParameterID	smallint		No
CategoryID	smallint		No
ParameterName	nvarchar	100	No
Abbreviation	nvarchar	50	No
UnitID	smallint		YES
FormatID	smallint		YES
TimeRecovery	bit		No
LowNormalValue	real		YES
HighNormalValue	real		YES
ParameterType	smallint		No
TagBefore	bit		No
TextSortMethod	smallint		YES
AllowMultiText	smallint		YES
Delimiter	nchar	1	YES
TextDisplayMethod	smallint		YES
ShowOnlyIfComplete	bit		No
Formula	nvarchar	4000	YES
TS	timestamp	8	YES
ParameterGroup	smallint		YES
URL	nvarchar	255	YES
IsGlobal	smallint		YES
ParameterColor	int		No

Name	Type	Size	IS_NULLABLE
SignalsCount	int		YES
SingleValue	bit		YES
ShowInPatientList	bit		YES
PatientListDisplayMode	smallint		YES
PatientListParameterOrderNum	smallint		YES
IconID	int		YES
EventColor	int		YES
ET_OpenIconID	int		YES
ET_CloseIconID	int		YES
ET_ContinuousEvent	bit		YES
ET_Duration	int		YES
ET_ShowReminder	bit		YES
FB_FormID	uniqueidentifier		YES
MappedParameterType	smallint		YES
DateTimeFormatID	smallint		YES
Increment	real		YES
MaskMax	real		YES
MaskMin	real		YES
DW_Unvalidate_every	smallint		No
ImageTemplateID	int		YES
FB_FormIsMandatory	bit		No
Description	nvarchar	2000	YES
MappedUserTypes	nvarchar	2000	YES
DrugFamilyID	smallint		YES
DrugSubFamilyID	smallint		YES
AllergyAction	tinyint		YES

Name	Type	Size	IS_NULLABLE
OverSensitivityAction	tinyint		YES
AutomaticWavesSnapshot	bit		YES
IsBillingEvent	bit		YES
Readonly	bit		YES
LabDataFlag	bit		YES
LabDataValueEqualTo	real		YES
LabDataCustomizeTextFlag	bit		YES
LabDataViewText	nvarchar	255	YES
FrequencSelMode	int		YES
LocatSelMode	int		YES
RoutesSelMode	int		YES
OwnerID	smallint		YES
MarkEventFormAsError	bit		YES
ReadOnlyClinicalEvent	bit		NO
UseFixedWidthFont	bit		NO
FB_FormTime	smallint		YES
IsHiddenInAllergies	bit		YES
AllergyLookBackAmount	smallint		YES
AllergyLookBackTimeMeasure	smallint		YES
MarkSessionsOfParentFormsAsError	bit		NO

ParametersCategories Table

Description

The ParametersCategories table stores the parameter categories.

Columns

Name	Type	Size	IS_NULLABLE
CategoryID	smallint		No

Name	Type	Size	IS_NULLABLE
CategoryName	nvarchar	50	No
TS	timestamp	8	YES

ParametersText Table

Description

The ParametersText table stores the possible text values of text parameters.

Columns

Name	Type	Size	IS_NULLABLE
ParameterID	smallint		No
TextID	smallint		No
Text	nvarchar	512	No
Value	float		YES
TS	timestamp	8	YES
Description	nvarchar	2048	YES
SortOrder	smallint		No

ParameterHierarchies Table

Description

The ParameterHierarchies table serves two purposes:

- Stores the ingredients that compose a solution
- Stores the sub parameters of group parameters

Columns

Name	Type	Size	IS_NULLABLE
ParentID	smallint		No
SubID	smallint		No
Concentration	real		YES
SortOrder	smallint		YES
TS	timestamp	8	YES

ParametersFrequencies Table

Description

The ParametersFrequencies table stores the selected frequencies for a given parameter.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
ParameterID	smallint		NO
FrequencyID	int		YES
SortOrder	smallint		NO
FreqType	smallint		YES

ParametersLocations Table

Description

The ParametersLocations table stores the selected locations of a given parameter.

Columns

Name	Type	Size	IS_NULLABLE
ParameterID	smallint		NO
LocationID	smallint		NO
SortOrder	smallint		NO

ParametersRoutes Table

Description

The ParametersRoutes table stores the selected routes for a given parameter.

Columns

Name	Type	Size	IS_NULLABLE
ParameterID	smallint		NO
RouteID	smallint		NO
SortOrder	smallint		NO

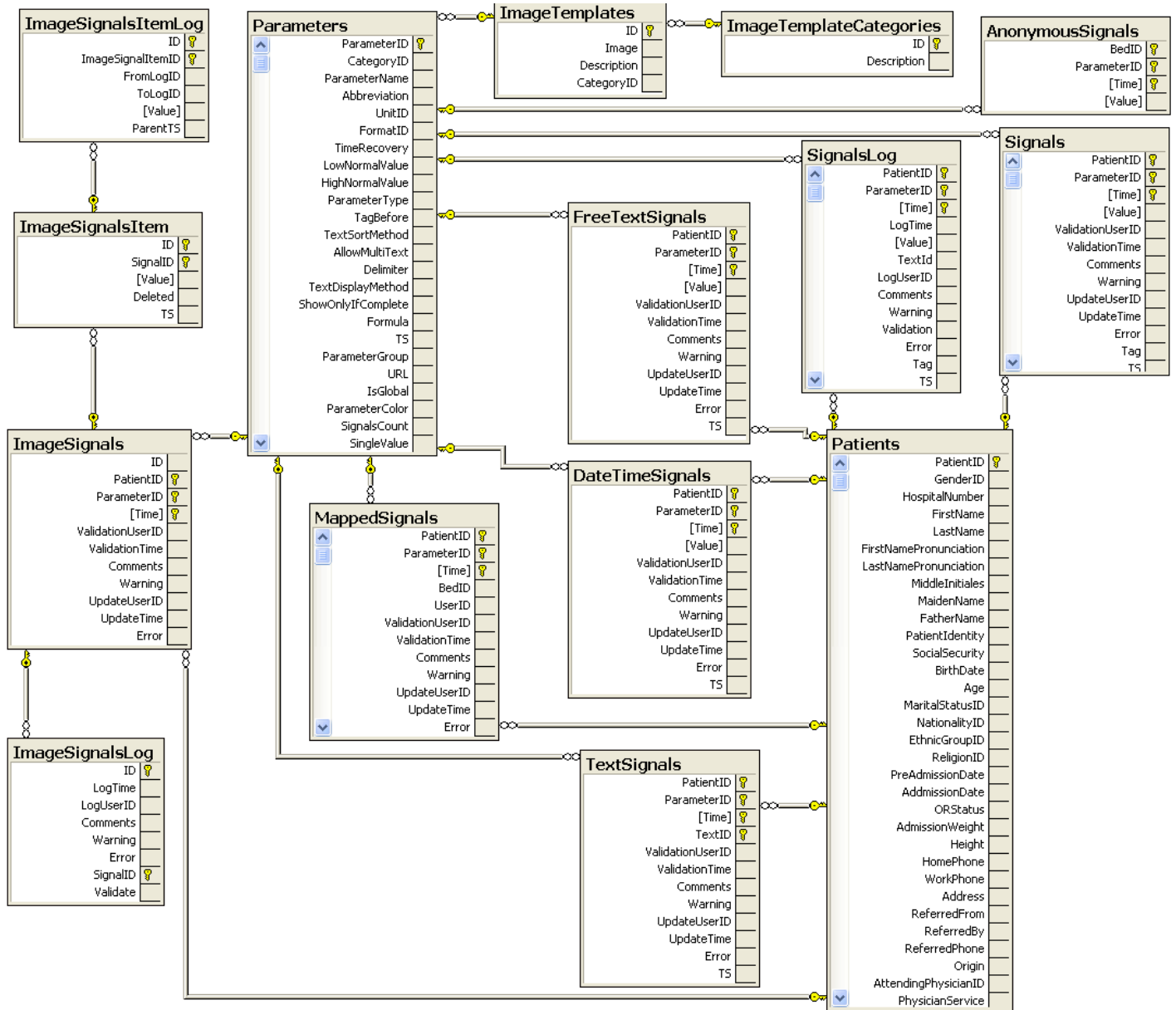
Parameters Patient Data Tables

The Parameters Patient Data tables include the following tables:

- Signals
- SignalsLog
- TextSignals
- ImageTemplateCategories
- ImageTemplates
- FreeTextSignals
- DateTimeSignals
- ImageSignals
- ImageSignalsLog
- ImageSignalsItem
- ImageSignalsItemLog
- MappedSignals
- AnonymousSignals

The tables listed above are linked according to the following schema:

Figure 11. Schema of the Parameters Patient Data Tables



Signals Table

Description

The Signals table stores signals of Numeric, Numeric with tag and Boolean parameters types.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
ParameterID	smallint		No
Time	datetime		No
Value	real		Yes
ValidationUserID	int		Yes
ValidationTime	datetime		Yes
Comments	nvarchar	3500	Yes
Warning	bit		No
UpdateUserID	int		Yes
UpdateTime	datetime		No
Error	bit		No
Tag	nchar	1	Yes
TS	timestamp	8	Yes

SignalsLog Table

Description

The SignalsLog table stores signals logs of the following parameter types:

- Numeric
- Nuneric with tag
- Text
- Free text
- Checkbox
- Date time
- Mapped

Signals of Formula, Group, Soluiton, Drug, Ingredient, Process parameter types don't have logs. Logs of signals of Image parameters are stored in the ImageSignalsLog and ImageSignalsItemLog tables. Logs of material signals are stored in the MaterialSignalsLog table. Logs of event signals are managed within the EventSignals table. Notice that signals appear in the SignalsLog table only after they have been changed at least once. When changed for the first time, both the current settings and value of the signal and its log are entered at the same time.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
ParameterID	smallint		No
Time	datetime		No
LogTime	datetime		No
Value	varchar	3500	YES
TextId	smallint		No
LogUserID	int		YES
Comments	varchar	3500	YES
Warning	bit		No
Validation	bit		No
Error	bit		No
Tag	nchar	1	YES
TS	timestamp	8	YES
IDEN	int		No

TextSignals Table

Description

The TextSignals table stores signals of Text parameter type.

If the text parameter has the “Allow multiple values with separator” setting on, there may be different TextIDs at the same time for the same parameter and patient, representing the TextIDs included in the multi-text signal..

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
ParameterID	smallint		No
Time	datetime		No
TextID	smallint		No
ValidationUserID	int		YES
ValidationTime	datetime		YES
Comments	nvarchar	3500	YES
Warning	bit		No
UpdateUserID	int		YES
UpdateTime	datetime		No
Error	bit		No
TS	timestamp	8	YES

ImageTemplates Table

Description

The ImageTemplates table stores the images template definitions

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Image	image	2147483647	No
Description	nvarchar	255	No
CategoryID	int		No

ImageTemplateCategories Table

Description

The ImageTemplateCategories table stores the categories of image templates.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Description	nvarchar	255	No

FreeTextSignals Table

Description

The FreeTextSignals table stores signals of Free Text parameter type parameters types.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
ParameterID	smallint		No
Time	datetime		No
Value	varchar	3500	YES

Name	Type	Size	IS_NULLABLE
ValidationUserID	int		YES
ValidationTime	datetime		YES
Comments	varchar	3500	YES
Warning	bit		No
UpdateUserID	int		YES
UpdateTime	datetime		No
Error	bit		No
TS	timestamp	8	YES

DateTimeSignals Table

Description

The DateTimeSignals table stores signals of DateTime parameter type.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
ParameterID	smallint		No
Time	datetime		No
Value	datetime		No
ValidationUserID	int		YES
ValidationTime	datetime		YES
Comments	nvarchar	3500	YES
Warning	bit		No
UpdateUserID	int		YES
UpdateTime	datetime		No
Error	bit		No
TS	timestamp	8	YES

ImageSignals Table

Description

The ImageSignals table stores signals of Image parameter type. An image signal may contain several images. The images are stored in the ImageSignalsItem table..

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
PatientID	int		No
ParameterID	smallint		No
Time	datetime		No
ValidationUserID	int		YES
ValidationTime	datetime		YES
Comments	nvarchar	3500	YES
Warning	bit		No
UpdateUserID	int		YES
UpdateTime	datetime		No
Error	bit		No

ImageSignalsLog Table

Description

The ImageSignalsLog table stores the logs for the image signals' headers. The log of the items is stored in the ImageSignalsItemLog table.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
LogTime	datetime		No
LogUserID	int		No
Comments	nvarchar	3500	YES

Name	Type	Size	IS_NULLABLE
Warning	bit		No
Error	bit		No
SignalID	int		No
Validate	bit		No

ImageSignalItem Table

Description

Image signals contain one or more images. The images are stored in the ImageSignalItem table.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
SignalID	int		No
Value	image	2147483647	YES
Deleted	bit		No
TS	timestamp	8	No

ImageSignalItemLog Table

Description

The ImageSignalLog table stores the logs for the image signals' headers. The log of the items is stored in the ImageSignalItemLog table.

The images in the ImageSignalItemLog table are stored as a range, meaning that a certain image can appear from log x to log y and then not appear anymore because it was deleted or changed.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
ImageSignalItemID	int		No
FromLogID	int		No

Name	Type	Size	IS_NULLABLE
ToLogID	int		YES
Value	image	2147483647	YES
ParentTS	binary	8	No

MappedSignals Table

Description

The ImageSignals table stores of the mapped parameter type.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
ParameterID	smallint		No
Time	datetime		No
BedID	smallint		YES
UserID	int		YES
ValidationUserID	int		YES
ValidationTime	datetime		YES
Comments	nvarchar	3500	YES
Warning	bit		No
UpdateUserID	int		YES
UpdateTime	datetime		No
Error	bit		No
TS	timestamp	8	YES

AnonymousSignals Table

Description

The AnonymousSignals table stores signals temporarily from patients that have not yet been admitted (registered) into the department.

Columns

Name	Type	Size	IS_NULLABLE
BedID	smallint		No
ParameterID	smallint		No
Time	smalldatetime		No
Value	real		No

PATIENTS

This Module

The Patients module is divided into three set of tables:

- Patients Customize Data tables
- Patients Management tables
- Patients Data Tables

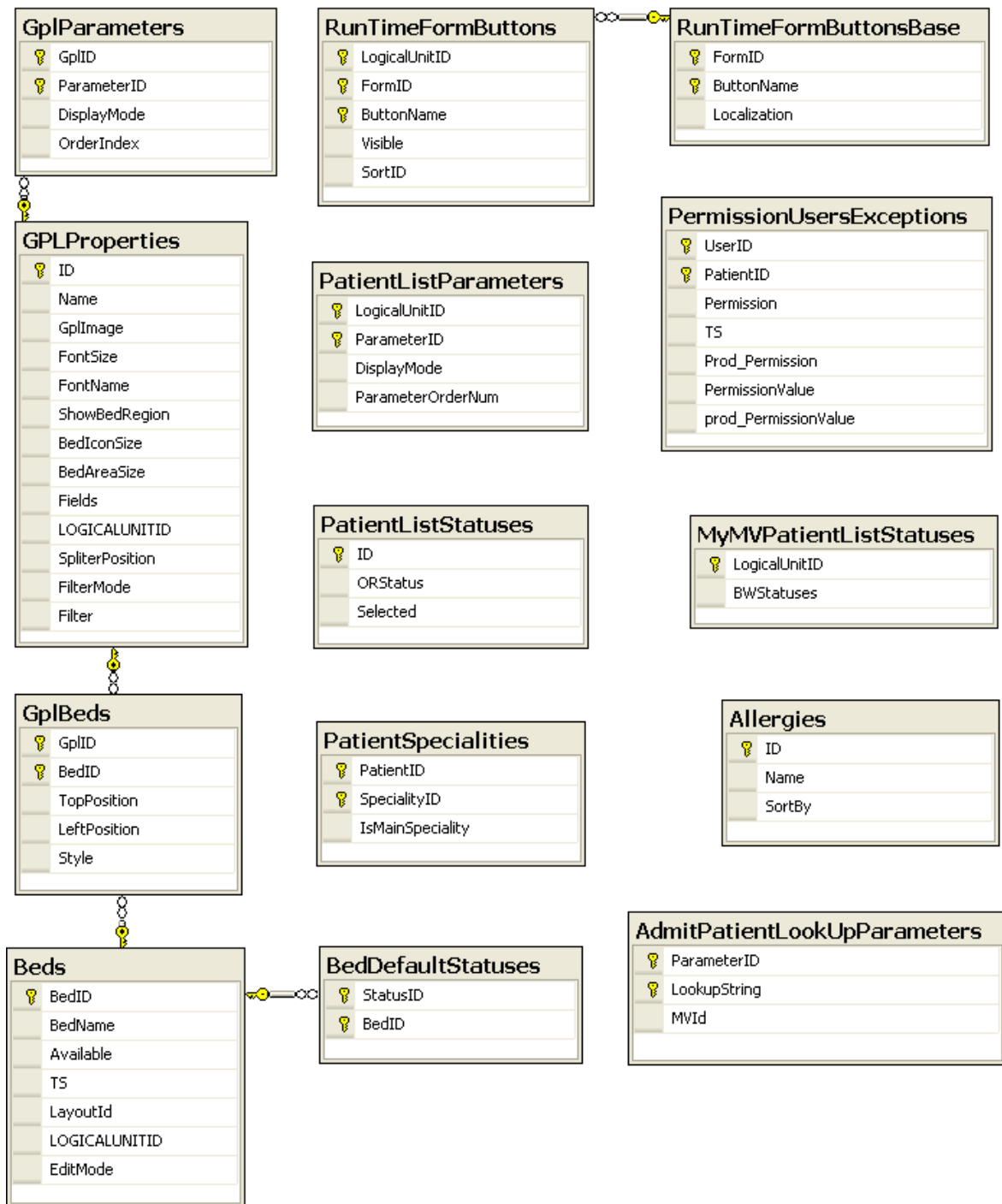
Patients Customize Data Tables

The Patients Customize Data tables set includes the following tables:

- AdmitPatientLookUpParameters
- PatientListParameters
- PatientListStatuses
- MyMVPatientListStatuses
- PermissionUsersExceptions
- PatientSpecialities
- GPLProperties
- GplParameters
- GplBeds
- Beds
- RunTimeFormButtons
- RunTimeFormButtonsBase
- BedDefaultStatuses

The tables listed above are linked according to the following schema:

Figure 12. Schema of the Patients Customize Data Tables



AdmitPatientLookUpParameters Table

Description

The AdmitPatientLookUpParameters table stores lookup parameters for patient admitted.

Columns

Name	Type	Size	IS_NULLABLE
ParameterID	smallint		No
LookupString	nvarchar	30	No
MVId	smallint		No

PatientListParameters Table

Description

The PatientListParameters table stores the display mode parameters for each patient list.

Columns

Name	Type	Size	IS_NULLABLE
LogicalUnitID	int		No
ParameterID	smallint		No
DisplayMode	int		No
ParameterOrderNum	smallint		No

PatientListStatuses Table

Description

The PatientListStatuses table stores the status defaults for the patient list.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
ORStatus	int		No
Selected	bit		No

MyMVPatientListStatuses Table

Description

The MyMVPatientListStatuses table stores the status defaults for the patient list for MyMV.

Columns

Name	Type	Size	IS_NULLABLE
LogicalUnitID	LogicalUnitID	LogicalUnitID	No
BWStatuses	int	4	Yes

PermissionUsersExceptions Table

Description

The PermissionUsersExceptions table stores specified exceptional permissions for personnel that are not defined by the department default permissions.

Columns

Name	Type	Size	IS_NULLABLE
UserID	int		No
PatientID	int		No
Permission	nvarchar	50	No
TS	timestamp	8	YES
Prod_Permission	nvarchar	50	YES
PermissionValue	smallint		YES
prod_PermissionValue	smallint		YES

PatientSpecialities Table

Description

This table is not in use.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
SpecialityID	int		No
IsMainSpeciality	bit		No

GPLProperties Table

Description

The GPLProperties table stores display layout properties for each bed in the GPL.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Name	nvarchar	60	No
GplImage	image		YES
FontSize	tinyint		YES
FontName	nvarchar	50	YES
ShowBedRegion	bit		No
BedIconSize	tinyint		No
BedAreaSize	tinyint		No
Fields	nvarchar	20	YES
Logicalunitid	int		No
SplitterPosition	int		YES

GplParameters Table

Description

The GplParameters table stores display properties for each bed in the GPL.

Columns

Name	Type	Size	IS_NULLABLE
GplID	int		No
ParameterID	smallint		No
DisplayMode	tinyint		No
OrderIndex	tinyint		No

GplBeds Table

Description

The GplBeds table stores location and position properties for each bed in the GPL.

Columns

Name	Type	Size	IS_NULLABLE
GplID	int		No
BedID	smallint		No
TopPosition	smallint		No
LeftPosition	smallint		No
Style	tinyint		No

Beds Table

Description

The Beds table stores information about the beds in the department.

Columns

Name	Type	Size	IS_NULLABLE
BedID	smallint		No
BedName	nvarchar	100	No
Available	bit		No
TS	timestamp	8	YES
BedLocation	smallint		No
LayoutId	int		YES
Logicalunitid	int		No
EditMode	tinyint		No

RunTimeFormButtons Table

Description

The RunTimeFormButtons table stores information about Buttons used in general lists and forms.

Columns

Name	Type	Size	IS_NULLABLE
LogicalUnitID	int	4	No
FormID	int	4	No
ButtonName	nvarchar(60)	120	No
Visible	bit	1	No
SortID	smallint	2	No

RunTimeFormButtonsBase Table

Description

The RunTimeFormButtonsBase table stores information about Buttons used in general lists and forms.

Columns

Name	Type	Size	IS_NULLABLE
FormID	int	4	No
ButtonName	nvarchar(60)	120	No
Localization	int	4	No

BedDefaultStatuses Table

Description

The BedDefaultStatuses table stores information about the the connection between statuses and beds.

Columns

Name	Type	Size	IS_NULLABLE
StatusID	int		NO
BedID	smallint		NO

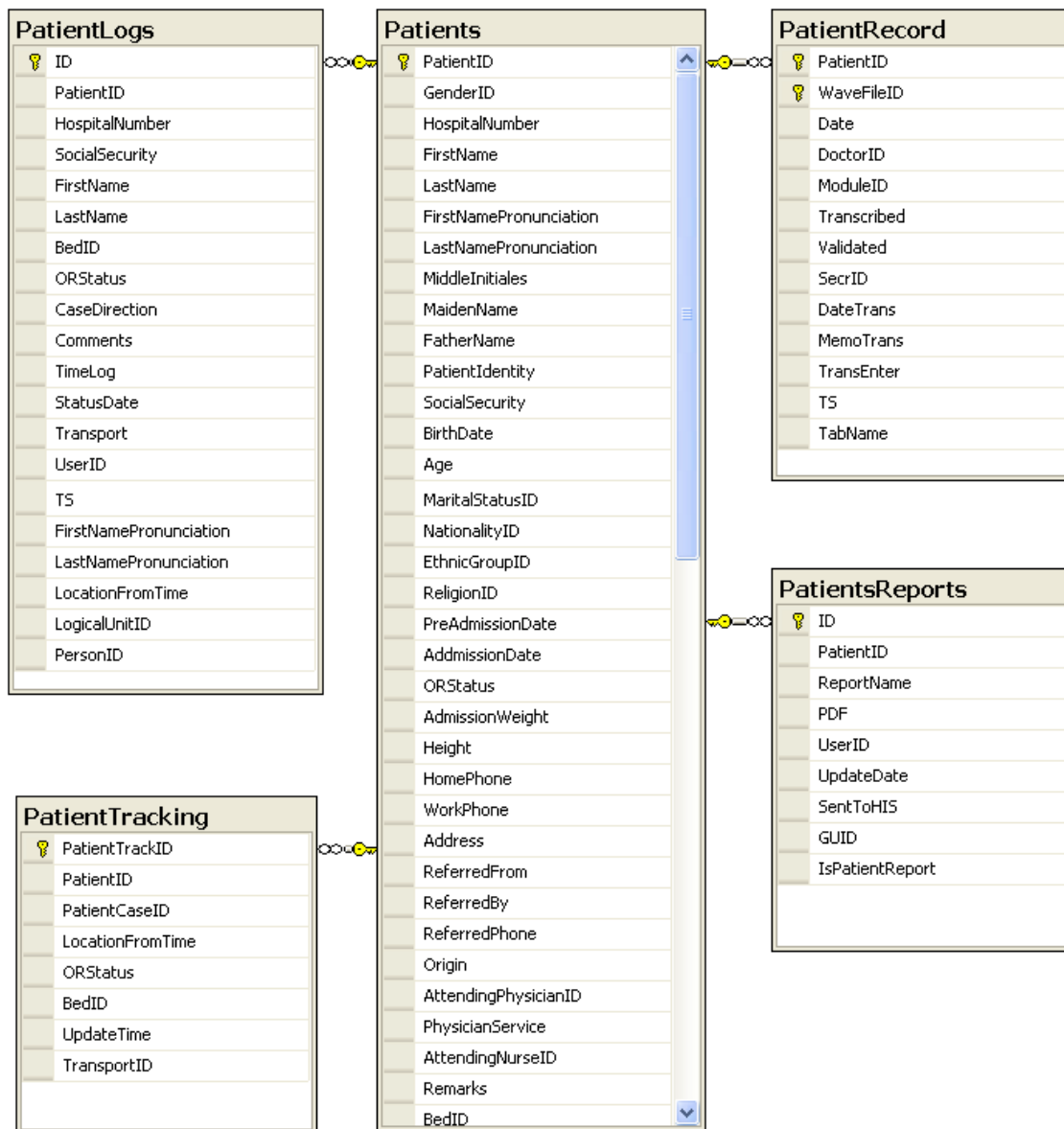
Patients Management Tables

The Patients Management set includes the following tables:

- Patients
- PatientTracking
- PatientRecord
- PatientLogs
- PatientsReports

The tables listed above are linked according to the following schema:

Figure 13. Schema of the Patients Management Tables



Patients Table

Description

The Patients table contains data of the patient files existing in the department. The application displays only patients having the Show_In_MV column set to True

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
GenderID	smallint		YES
HospitalNumber	nvarchar	40	YES
FirstName	nvarchar	50	YES
LastName	nvarchar	50	YES
FirstNamePronunciation	nvarchar	50	YES
LastNamePronunciation	nvarchar	50	YES
MiddleInitiales	nvarchar	5	YES
MaidenName	nvarchar	15	YES
FatherName	nvarchar	30	YES
PatientIdentity	nvarchar	15	YES
SocialSecurity	nvarchar	50	YES
BirthDate	datetime		YES
Age	real		YES
MaritalStatusID	smallint		YES
NationalityID	smallint		YES
EthnicGroupID	smallint		YES
ReligionID	smallint		YES
PreAdmissionDate	datetime		YES
AddmissionDate	datetime		No
ORStatus	smallint		YES
AdmissionWeight	real		YES
Height	real		YES
HomePhone	nvarchar	20	YES

Name	Type	Size	IS_NULLABLE
WorkPhone	nvarchar	20	YES
Address	nvarchar	200	YES
ReferredFrom	nvarchar	50	YES
ReferredBy	nvarchar	50	YES
ReferredPhone	nvarchar	20	YES
Origin	nvarchar	50	YES
AttendingPhysicianID	int		YES
PhysicianService	nvarchar	50	YES
AttendingNurseID	int		YES
Remarks	nvarchar	2000	YES
BedID	smallint		YES
LocationFromTime	datetime		YES
ContactName	nvarchar	30	YES
ContactPhone	nvarchar	20	YES
BSA	float		YES
RegisterUserID	int		YES
DischargeUserID	int		YES
DischargeDate	datetime		YES
DischargeReasonID	smallint		YES
Status	nvarchar	20	YES
AdvancedDirective	smallint		No
CalcBirthDate	bit		No
CheckSolutions	smallint		YES
AdmissionByUserID	int		YES
TS	timestamp	8	YES
BloodGroup	nvarchar	3	YES
Allergies	nvarchar	3000	YES
Title	nvarchar	30	YES
Occupation	nvarchar	30	YES

Name	Type	Size	IS_NULLABLE
OtherForename	nvarchar	15	YES
MailingAddress	nvarchar	200	YES
DischargeDestinationID	int		YES
DO_NOT_DELETE	smallint		YES
SHOW_IN_MV	smallint		YES
Waves_Purged	bit		No
ER_auto_Registration	bit		YES
IsJunk	bit		No
UpdateJunkUserID	int		YES
UpdateJunkDate	datetime		YES
LayoutID	int		YES
UpdateHISDate	datetime		YES
WaveAllowPurging	bit		YES
WavePurgingDate	datetime		YES
IsWaitingList	bit		No
Logicalunitid	int		No
Offlineflag	int		YES
AttendingAnesthesiologistID	int		YES
ResidentUserID	int		YES

PatientTracking Table

Description

The PatientTracking table stores location and other information related to tracking the actual movements of patients between beds and departments.

Columns

Name	Type	Size	IS_NULLABLE
PatientTrackID	int		No
PatientID	int		No

Name	Type	Size	IS_NULLABLE
PatientCaseID	int		YES
LocationFromTime	datetime		No
ORStatus	tinyint		No
BedID	smallint		YES
UpdateTime	datetime		No
TransportID	int		YES

PatientRecord Table

Description

This table is not in use.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
WaveFileID	int		No
Date	datetime		No
DoctorID	int		No
ModuleID	int		No
Transcribed	bit		No
Validated	bit		No
SecrID	int		YES
DateTrans	datetime		YES
MemoTrans	ntext		YES
TransEnter	bit		No
TS	timestamp	8	YES
TabName	nvarchar	64	YES

PatientLogs Table

Description

The PatientLogs table stores logs of changes made to the patient file. Notice that all changes to the patient file made at the same time, before clicking the “OK” or “Apply” button are considered to be one log.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
PatientID	int		No
HospitalNumber	nvarchar	40	YES
SocialSecurity	nvarchar	50	YES
FirstName	nvarchar	50	YES
LastName	nvarchar	50	YES
BedID	smallint		YES
LocationFromTime	datetime		YES
ORStatus	smallint		No
CaseDirection	smallint		No
Comments	nvarchar	2000	YES
TimeLog	datetime		No
StatusDate	smalldatetime		YES
Transport	bit		YES
UserID	int		No
TS	timestamp	8	YES
FirstNamePronunciation	nvarchar	50	YES
LastNamePronunciation	nvarchar	50	YES

PatientsReports Table

Description

The PatientsReports table stores reports which were printed in MetaVision.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
PatientID	int		No
ReportName	nvarchar	50	No
PDF	image		No
UserID	int		Yes
UpdateDate	datetime		No
SentToHIS	smallint		Yes
GUID	uniqueidentifier		Yes
IsPatientReport	bit		No

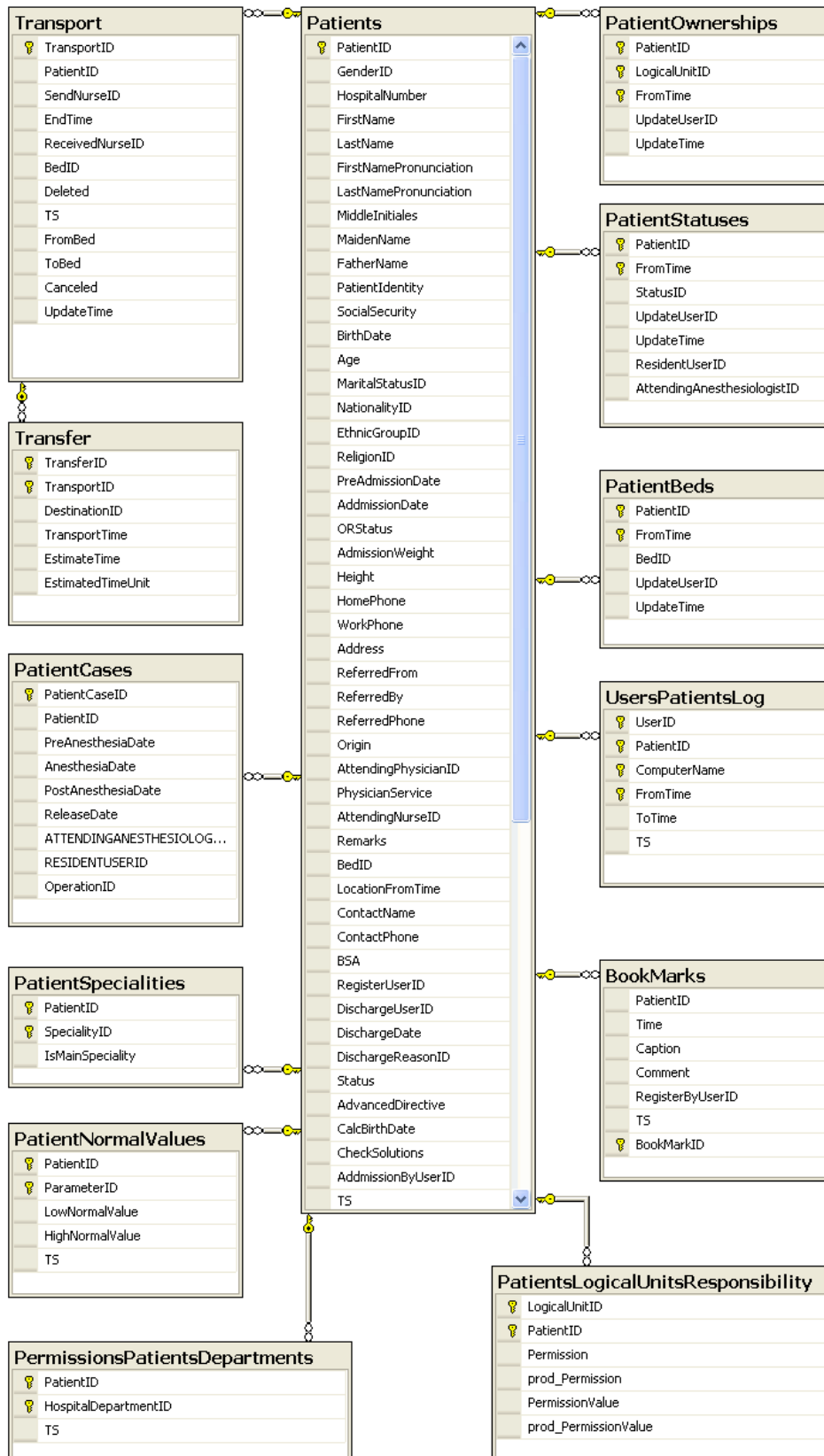
Patients Data Tables

The Patients Data set includes the following tables:

- Patients
- PatientTracking
- PatientRecord
- PatientLogs
- Results
- PatientBeds
- PatientOwnerships
- PatientStatuses

The tables listed above are linked according to the following schema:

Figure 14. Schema of the Patients Data Tables



Patients Table

Description

The Patients table contains data of the patient files existing in the department. The application displays only patients having the Show_In_MV column set to True

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
GenderID	smallint		YES
HospitalNumber	nvarchar	40	YES
FirstName	nvarchar	50	YES
LastName	nvarchar	50	YES
FirstNamePronunciation	nvarchar	50	YES
LastNamePronunciation	nvarchar	50	YES
MiddleInitiales	nvarchar	5	YES
MaidenName	nvarchar	15	YES
FatherName	nvarchar	30	YES
PatientIdentity	nvarchar	15	YES
SocialSecurity	nvarchar	50	YES
BirthDate	datetime		YES
Age	real		YES
MaritalStatusID	smallint		YES
NationalityID	smallint		YES
EthnicGroupID	smallint		YES
ReligionID	smallint		YES
PreAdmissionDate	datetime		YES
AdmissionDate	datetime		No
ORStatus	smallint		YES

Name	Type	Size	IS_NULLABLE
AdmissionWeight	real		YES
Height	real		YES
HomePhone	nvarchar	20	YES
WorkPhone	nvarchar	20	YES
Address	nvarchar	200	YES
ReferredFrom	nvarchar	50	YES
ReferredBy	nvarchar	50	YES
ReferredPhone	nvarchar	20	YES
Origin	nvarchar	50	YES
AttendingPhysicianID	int		YES
PhysicianService	nvarchar	50	YES
AttendingNurseID	int		YES
Remarks	nvarchar	2000	YES
BedID	smallint		YES
LocationFromTime	datetime		YES
ContactName	nvarchar	30	YES
ContactPhone	nvarchar	20	YES
BSA	float		YES
RegisterUserID	int		YES
DischargeUserID	int		YES
DischargeDate	datetime		YES
DischargeReasonID	smallint		YES
Status	nvarchar	20	YES
AdvancedDirective	smallint		No
CalcBirthDate	bit		No
CheckSolutions	smallint		YES

Name	Type	Size	IS_NULLABLE
AdmissionByUserID	int		YES
TS	timestamp	8	YES
BloodGroup	nvarchar	3	YES
Allergies	nvarchar	3000	YES
Title	nvarchar	30	YES
Occupation	nvarchar	30	YES
OtherForename	nvarchar	15	YES
MailingAddress	nvarchar	200	YES
DischargeDestinationID	int		YES
DO_NOT_DELETE	smallint		YES
SHOW_IN_MV	smallint		YES
Waves_Purged	bit		No
ER_auto_Registration	bit		YES
IsJunk	bit		No
UpdateJunkUserID	int		YES
UpdateJunkDate	datetime		YES
LayoutID	int		YES
UpdateHISDate	datetime		YES
WaveAllowPurging	bit		YES
WavePurgingDate	datetime		YES
IsWaitingList	bit		No
Logicalunitid	int		No
Offlineflag	int		YES
AttendingAnesthesiologistID	int		YES
ResidentUserID	int		YES

PatientCases Table

Description

This table is not in use.

Columns

Name	Type	Size	IS_NULLABLE
PatientCaseID	int		No
PatientID	int		No
PreAnesthesiaDate	datetime		YES
AnesthesiaDate	datetime		YES
PostAnesthesiaDate	datetime		YES
ReleaseDate	datetime		YES
ATTENDINGANESTHESIOLOGISTID	int		YES
RESIDENTUSERID	int		YES
OperationID	int		YES

PatientNormalValues Table

Description

The PatientNormalValues table holds normal values of parameters that are specific for a given patient.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
ParameterID	smallint		No
LowNormalValue	real		YES
HighNormalValue	real		YES
TS	timestamp	8	YES

PatientsLogicalUnitsResponsibility Table

Description

The PatientsLogicalUnitsResponsibility table stores exceptional permissions for personnel that are not defined by default with permissions.

Columns

Name	Type	Size	IS_NULLABLE
LogicalUnitID	int		No
PatientID	int		No
Permission	nvarchar	50	YES
prod_Permission	nvarchar	50	YES
PermissionValue	smallint		YES
prod_PermissionValue	smallint		YES

PatientSpecialities Table

Description

This table is not in use.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
SpecialityID	int		No
IsMainSpeciality	bit		No

PermissionsPatientsDepartments Table

Description

This table is not in use.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
HospitalDepartmentID	int		No

Name	Type	Size	IS_NULLABLE
TS	timestamp	8	YEs

Results Table

Description

The Results table stores results of wave signals.

Columns

Name	Type	Size	IS_NULLABLE
PatientId	int	4	No
WaveDevicePropertyID	int	4	No
Time	smalldatetime	4	No
Value	image	max	No
ValidateUserID	int	4	Yes
ValidateTime	smalldatetime	4	Yes
InSnapshotRange	bit	1	No
ValidateWaveTime	datetime	8	Yes

Sch_PatientMessages Table

Description

The Sch_PatientMessages table stores messages for the Information Board.

Columns

Name	Type	Size	IS_NULLABLE
PatientMessageID	int		No
PatientID	int		No
Message	nvarchar	2000	No
SendToMask	smallint		No
UpdateTime	datetime		No
UpdateUserID	int		No

UsersPatientsLog Table

Description

The UsersPatientsLog table contains a log of all the entries to patient files.

Columns

Name	Type	Size	IS_NULLABLE
UserID	int		No
PatientID	int		No
ComputerName	nvarchar	255	No
FromTime	datetime		No
ToTime	datetime		YES
TS	timestamp	8	YES

Transfer Table

Description

The Transfer table manages the different transfers contained in a transport.

Columns

Name	Type	Size	IS_NULLABLE
TransferID	smallint		No
TransportID	int		No
DestinationID	int		YES
TransportTime	datetime		No
EstimateTime	int		No
EstimatedTimeUnit	smallint		No

Transport Table

Description

The Transport table manages the details of a single transport. A transport is composed of several transfers. Transfers are managed by the Transfer table. There can not be more than one transport in process at any given time.

Columns

Name	Type	Size	IS_NULLABLE
TransportID	int		No
PatientID	int		No
SendNurseID	int		No
EndTime	datetime		Yes
ReceivedNurseID	int		Yes
BedID	smallint		Yes
Deleted	bit		No
TS	timestamp	8	Yes
FromBed	int		Yes
ToBed	int		Yes
Canceled	bit		No

Bookmarks Table

Description

The Bookmarks table stores bookmark properties.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
Time	datetime		No
Caption	nvarchar	30	Yes
Comment	nvarchar	255	Yes
RegisterByUserID	int		No
TS	timestamp	8	Yes
BookMarkID	int		No

PatientBeds Table

Description

The PatientBeds table stores the beds history of all patients.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		NO
FromTime	datetime		NO
BedID	smallint		YES
UpdateUserID	int		NO
UpdateTime	datetime		NO

PatientOwnerships Table

Description

The PatientOwnerships table stores the ownership history of all patients.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		NO
LogicalUnitID	int		NO
FromTime	datetime		NO
UpdateUserID	int		NO
UpdateTime	datetime		NO

PatientStatuses Table

Description

The PatientStatuses table stores the statuses history of all patients.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		NO
FromTime	datetime		NO
StatusID	smallint		NO
UpdateUserID	int		NO
UpdateTime	datetime		NO
ResidentUserID	int		YES
AttendingAnesthesiologistID	int		YES

MESSAGE CENTER

This Module

The Message Center module is divided into two sets of tables:

- Customize Data tables
- Patients Data tables

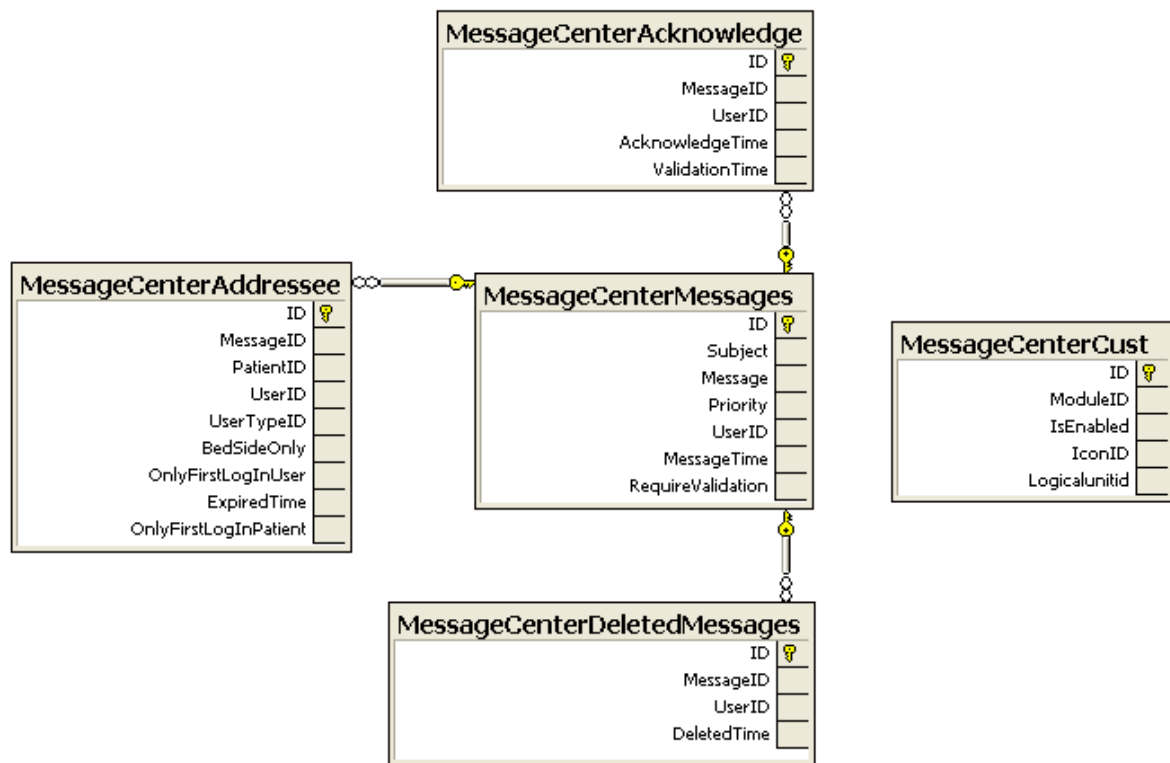
Customize Data Tables

The Message Center Customize Data tables set includes the following tables:

- MessageCenterAcknowledge
- MessageCenterCust
- MessageCenterDeletedMessages
- MessageCenterMessages

The tables listed above are linked according to the following schema:

Figure 15. Schema of the Message Center Customize Data Tables



MessageCenterAcknowledge Table

Description

The MessageCenterAcknowledge table stores acknowledges for received messages.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
MessageID	int		No
UserID	int		No
AcknowledgeTime	datetime		No
ValidationTime	datetime		YES

MessageCenterCust Table

Description

The MessageCenterCust table stores customized ID parameters for the message center.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
ModuleID	smallint		No
IsEnabled	bit		YES
IconID	int		YES
Logicalunitid	int		No

MessageCenterDeletedMessages Table

Description

The MessageCenterDeletedMessages table stores deleted messages.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
MessageID	int		No
UserID	int		No
DeletedTime	datetime		No

MessageCenterMessages Table

Description

The MessageCenterMessages table stores messages.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Subject	varchar	500	No
Message	nvarchar	4000	YES
Priority	tinyint		YES
UserID	int		No
MessageTime	datetime		No
RequireValidation	bit		YES

Message Center Patients Data Tables

The Message Center Patient Data tables set includes only one table:

- MessageCenterAddressee

MessageCenterAddressee Table

Description

The MessageCenterAddressee table stores the message addressee properties.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
MessageID	int		No
PatientID	int		YES
UserID	int		YES
UserTypeID	smallint		YES
BedSideOnly	bit		YES
OnlyFirstLogInUser	bit		YES
ExpiredTime	datetime		YES
OnlyFirstLogInPatient	bit		YES

CARE PLANS

This Module

The Care Plans module is divided into two sets of tables:

- Customize Data tables
- Patients Data tables

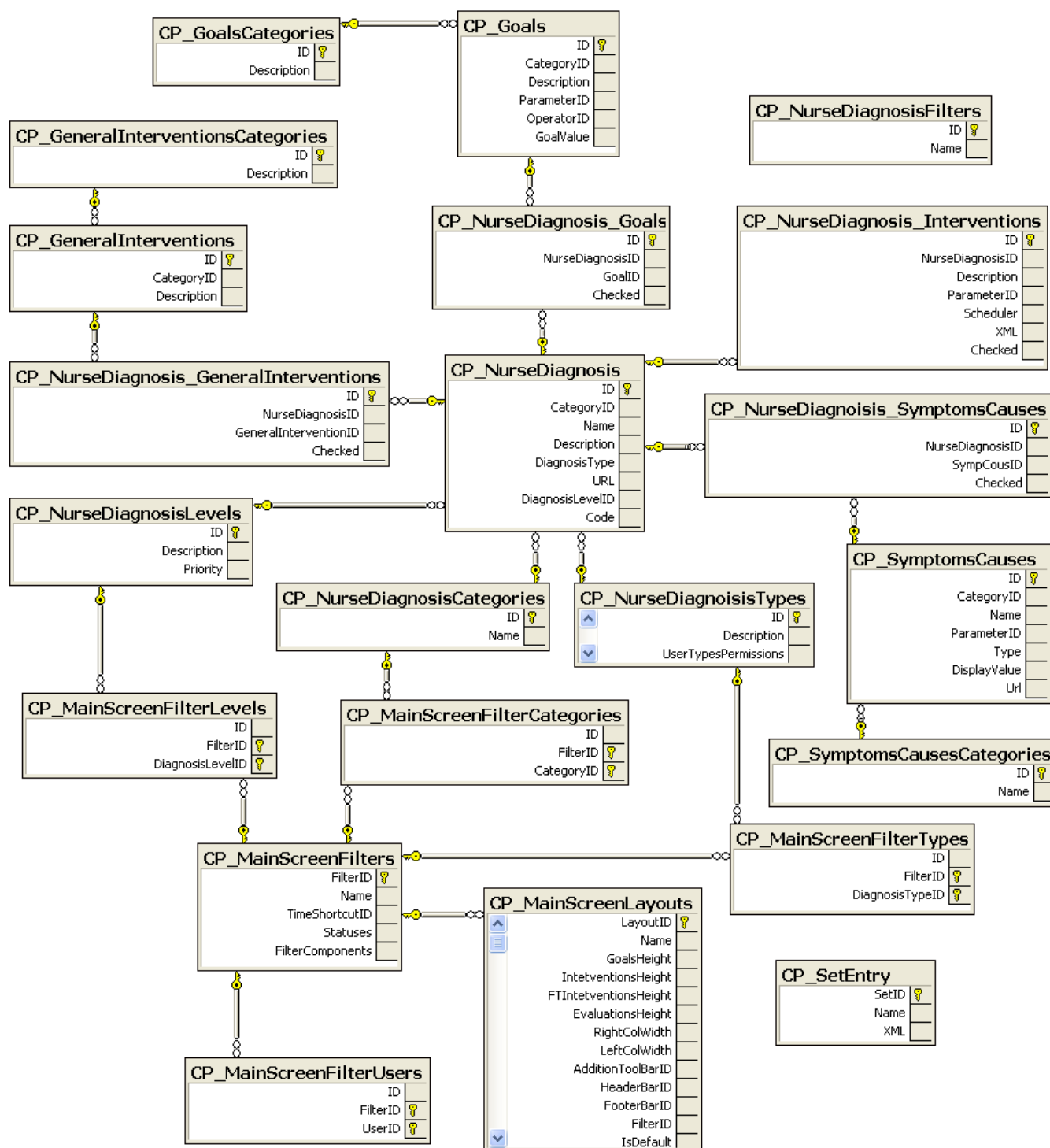
Care Plans Customize Data Tables

The Care Plans Customize Data tables set includes the following tables:

- CP_GeneralInterventions
- CP_GeneralInterventionsCategories
- CP_Goals
- CP_GoalsCategories
- CP_MainScreenFilterCategories
- CP_MainScreenFilterLevels
- CP_MainScreenFilters
- CP_MainScreenFilterTypes
- CP_MainScreenFilterUsers
- CP_MainScreenLayouts
- CP_NurseDiagnosis_SymptomsCauses
- CP_NurseDiagnosisTypes
- CP_NurseDiagnosis
- CP_NurseDiagnosis_GeneralInterventions
- CP_NurseDiagnosis_Goals
- CP_NurseDiagnosis_Interventions
- CP_NurseDiagnosisCategories
- CP_NurseDiagnosisFilters
- CP_NurseDiagnosisLevels
- CP_SetEntry
- CP_SymptomsCauses
- CP_SymptomsCausesCategories
- CP_MainScreenFilterUsers

The tables listed above are linked according to the following schema:

Figure 16. Schema of the Care Plans Customize Data Tables



CP_GeneralInterventions Table

Description

The CP_GeneralInterventions table stores pre-customized text descriptions of general care plan interventions.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
CategoryID	smallint		No
Description	nvarchar	500	No

CP_GeneralInterventionsCategories Table

Description

The CP_GeneralInterventionsCategories table assigns the general care plan interventions according to categories .

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
Description	nvarchar	200	No

CP_Goals Table

Description

The CP_Goals table stores pre-customized text descriptions of care plan goals.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
CategoryID	smallint		No
Description	nvarchar	500	No
ParameterID	smallint		YES

Name	Type	Size	IS_NULLABLE
OperatorID	smallint		YES
GoalValue	real		YES

CP_GoalsCategories Table

Description

The CP_GoalCategories table assigns the care plan goals according to categories.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
Description	nvarchar	500	No

CP_MainScreenFilterCategories Table

Description

The CP_MainScreenFilterCategories table assigns the main screen filters according to categories.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
FilterID	int		No
CategoryID	smallint		No

CP_MainScreenFilterLevels Table

Description

The CP_MainScreenFilterLevels table stores the filter definitions for the pre-defined diagnosis severity levels.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
FilterID	int		No
DiagnosisLevelID	smallint		No

CP_MainScreenFilters Table

Description

The CP_MainScreenFilters table stores the properties of the pre-customized care plan filters.

Columns

Name	Type	Size	IS_NULLABLE
FilterID	int		No
Name	nvarchar	255	No
TimeShortcutID	tinyint		No
Statuses	nvarchar	50	No
FilterComponents	int		No

CP_MainScreenFilterTypes Table

Description

The CP_MainScreenFilterTypes table assigns the care plan filters according to filter types.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
FilterID	int		No

Name	Type	Size	IS_NULLABLE
DiagnosisTypeID	smallint		No

CP_MainScreenFilterUsers Table

Description

The CP_MainScreenFilterUsers table stores the user IDs of the care plan filters.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
FilterID	int		No
UserID	int		No

CP_MainScreenLayouts Table

Description

The CP_MainScreenLayouts stores the properties of the screen layouts for the care plans window.

Columns

Name	Type	Size	IS_NULLABLE
LayoutID	int		No
Name	nvarchar	255	No
GoalsHeight	smallint		No
IntetventionsHeight	smallint		No
FTIntetventionsHeight	smallint		YES
EvaluationsHeight	smallint		No
RightColWidth	smallint		YES
LeftColWidth	smallint		YES
AdditionToolBarID	int		YES

Name	Type	Size	IS_NULLABLE
HeaderBarID	int		YES
FooterBarID	int		YES
FilterID	int		YES
IsDefault	bit		No

CP_NurseDiagnosis_SymptomsCauses Table

Description

The CP_NurseDiagnosis_SymptomsCauses table stores the symptoms and causes of pre-customized diagnosis. Diagnoses are identified by their NurseDiagnosisID, and the symptoms and causes by the SympCousID field.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
NurseDiagnosisID	int		No
SympCousID	int		No
Checked	bit		No

CP_NurseDiagnosisTypes Table

Description

The CP_NurseDiagnosisTypes table assigns the nurse diagnosis according to types.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
Description	nvarchar	100	No
UserTypesPermissions	nvarchar	255	YES

CP_NurseDiagnosis Table

Description

The CP_NurseDiagnosis table stores the parameters for pre-customized nurse diagnosis types.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
CategoryID	smallint		No
Name	nvarchar	200	No
Description	nvarchar	1000	YES
DiagnosisType	smallint		No
URL	nvarchar	255	YES
DiagnosisLevelID	smallint		YES
Code	nvarchar	255	YES

CP_NurseDiagnosis_GeneralInterventions Table

Description

The CP_NurseDiagnosis_GeneralInterventions table stores text descriptions of pre-configured nurse diagnoses.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
NurseDiagnosisID	int		No
GeneralInterventionID	int		No
Checked	bit		No

CP_NurseDiagnosis_Goals Table

Description

The CP_NurseDiagnosis_Goalss table stores text descriptions of pre-configured care plan goals.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
NurseDiagnosisID	int		No
GoalID	int		No
Checked	bit		No

CP_NurseDiagnosis_Interventions Table

Description

The CP_NurseDiagnosis_Interventions table stores text descriptions of pre-defined interventions for customized nurse diagnoses.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
NurseDiagnosisID	int		No
Description	nvarchar	255	YES
ParameterID	smallint		YES
Scheduler	nvarchar	255	YES
XML	ntext		YES
Checked	bit		No

CP_NurseDiagnosisCategories Table

Description

The CP_NurseDiagnosisCategories table assigns pre-defined nurse diagnosis according to categories.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
Name	nvarchar	200	No

CP_NurseDiagnosisFilters Table

Description

The CP_NurseDiagnosisFilters table stores the filter names of the pre-defined nurse diagnoses.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
Name	nvarchar	255	No

CP_NurseDiagnosisLevels Table

Description

The CP_NurseDiagnosisLevels table stores the severity levels of the pre-defined nurse diagnoses.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
Description	nvarchar	50	No
Priority	tinyint		No

CP_SetEntry Table

Description

The CP_SetEntry table stores sets of customized care plans (order sets).

Columns

Name	Type	Size	IS_NULLABLE
SetID	int		No
Name	nvarchar	50	No
XML	ntext		No

CP_SymptomsCauses Table

Description

The CP_SymptomsCauses table stores text descriptions of pre-defined symptoms and causes.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
CategoryID	smallint		No
Name	nvarchar	200	No
ParameterID	smallint		YES
Type	tinyint		No
DisplayValue	smallint		YES
Url	nvarchar	100	YES

CP_SymptomsCausesCategories Table

Description

The CP_SymptomsCausesCategories table stores an index of the pre-defined symptoms and causes, according to categories.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
Name	nvarchar	200	No

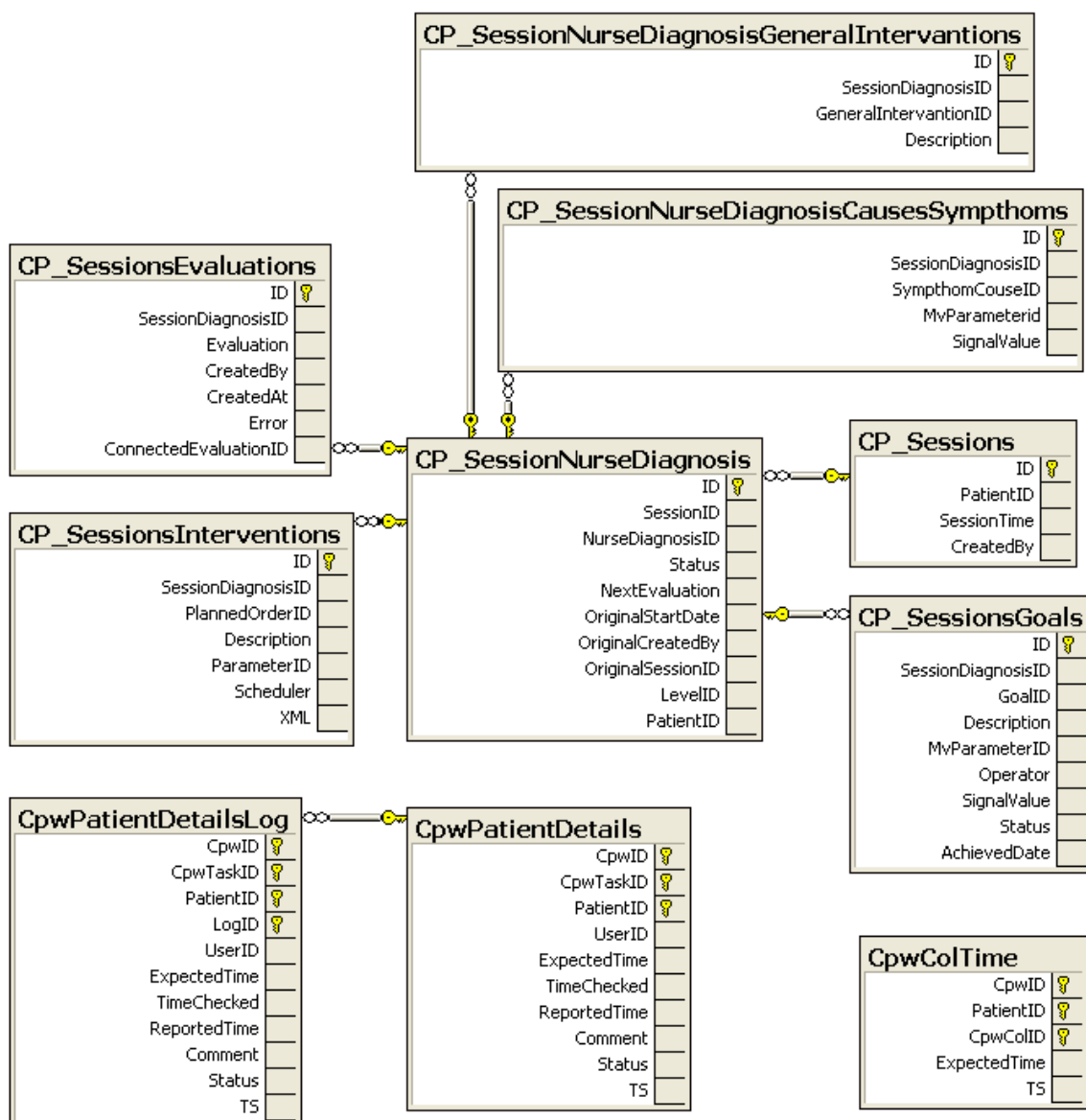
Care Plans Patients Data Tables

The Care Plans Patients Data tables set includes the following tables:

- CP_SessionNurseDiagnosis
- CP_SessionNurseDiagnosisCausesSymptoms
- CP_SessionNurseDiagnosisGeneralInterventions
- CP_Sessions
- CP_SessionsEvaluations
- CP_SessionsGoals
- CP_SessionsInterventions
- CpwColTime
- CpwPatientDetails
- CpwPatientDetailsLog

The tables listed above are linked according to the following schema:

Figure 17. Schema of the Care Plans Customize Data Tables



CP_SessionNurseDiagnosis Table

Description

The CP_SessionNurseDiagnosis table stores nurse diagnosis data for a specific patient during a specific diagnosis session. Data for a given patient's current session can be modified; previous sessions cannot be modified.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
SessionID	int		No
NurseDiagnosisID	int		No
Status	smallint		No
NextEvaluation	datetime		No
OriginalStartDate	datetime		No
OriginalCreatedBy	smallint		No
OriginalSessionID	int		Yes
LevelID	smallint		No
PatientID	int		No

CP_SessionNurseDiagnosisCausesSymptoms Table

Description

The CP_SessionNurseDiagnosisCausesSymptoms table stores the causes and symptoms of specific care sessions for specific patients. Diagnoses are identified by their SessionDiagnosisID and SymptomCauseID fields.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
SessionDiagnosisID	int		No
SymptomCauseID	int		No
MvParameterid	smallint		Yes

Name	Type	Size	IS_NULLABLE
SignalValue	real		Yes

CP_SessionNurseDiagnosisGeneralInterventions Table

Description

The CP_SessionNurseDiagnosisGeneralInterventions table stores the drug intervention applied to a patient during a specific nurse diagnosis session.

Columns

Name	Type	Size	IS_NULLABLE
ID	int	4	No
SessionDiagnosisID	int	4	No
GeneralInterventionID	int	4	No
Description	nvarchar	1000	YES

CP_Sessions Table

Description

The CP_Sessions table stores care plan sessions for specific patients.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
PatientID	int		No
SessionTime	datetime		No
CreatedBy	smallint		No

CP_SessionsEvaluations Table

Description

The CP_SessionsEvaluations table stores the text, session and user information that was entered through the Add an Evaluation feature.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
SessionDiagnosisID	int		No
Evaluation	nvarchar	4000	No
CreatedBy	smallint		Yes
CreatedAt	datetime		Yes
Error	bit		No
ConnectedEvaluationID	int		No

CP_SessionsGoals Table

Description

The CP_SessionsGoals table stores the care session goals for a specific patient.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
SessionDiagnosisID	int		No
GoalID	int		No
Description	nvarchar	500	Yes
MvParameterID	int		Yes
Operator	smallint		Yes
SignalValue	real		Yes
Status	bit		Yes
AchievedDate	datetime		Yes

CP_SessionsInterventions Table

Description

The CP_SessionsInterventions table stores the drug intervention applied by a nurse to a patient during a specific care session.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
SessionDiagnosisID	int		No
PlannedOrderID	int		No
Description	nvarchar	510	YES
ParameterID	int		YES
Scheduler	nvarchar	510	YES
XML	ntext		YES

CpwColTime Table

Description

The CpwColTime table is not in use.

Columns

Name	Type	Size	IS_NULLABLE
CpwID	int		No
PatientID	int		No
CpwColID	smallint		No
ExpectedTime	datetime		No
TS	timestamp	8	YES

CpwPatientDetails Table

Description

The CpwPatientDetails table stores the properties entered into the patient details care plan window.

Columns

Name	Type	Size	IS_NULLABLE
CpwID	int		No
CpwTaskID	int		No
PatientID	int		No
UserID	int		YES
ExpectedTime	datetime		YES
TimeChecked	datetime		YES
ReportedTime	datetime		YES
Comment	nvarchar	255	YES
Status	smallint		YES
TS	timestamp	8	YES

CpwPatientDetailsLog Table

Description

The CpwPatientDetailsLog table stores log records of actions made when editing existing care plans.

Columns

Name	Type	Size	IS_NULLABLE
CpwID	int		No
CpwTaskID	int		No
PatientID	int		No
LogID	smallint		No
UserID	int		YES
ExpectedTime	datetime		YES
TimeChecked	datetime		YES
ReportedTime	datetime		YES
Comment	nvarchar	255	YES
Status	smallint		YES
TS	timestamp	8	YES

ICD-9

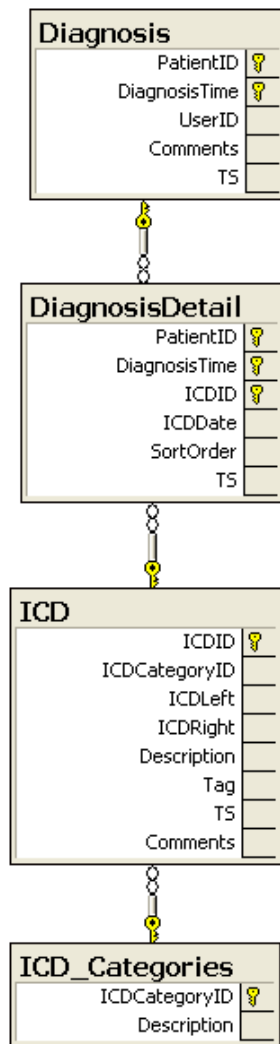
This Module

The ICD-9 module includes the following tables:

- ICD
- ICD_Categories
- Diagnosis
- DiagnosisDetail

The tables listed above are linked according to the following schema:

Figure 18. Schema of the ICD-9 Tables



The ICD-9 Module Tables

ICD Table

Description

The ICD table stores the diagnoses in the system as they can be seen in the Diagnosis (ICD 9) module.

Columns

Name	Type	Size	IS_NULLABLE
ICDID	int		No
ICDCategoryID	int		Yes

Name	Type	Size	IS_NULLABLE
ICDLeft	nvarchar	7	Yes
ICDRight	nvarchar	14	Yes
Description	nvarchar	255	Yes
Tag	nchar	1	Yes
TS	timestamp	8	Yes
Comments	nvarchar	100	Yes

ICD_Categories Table

Description

The ICD_Categories table stores the department-defined categories of ICD-9 diagnosis (along with their definitions).

Columns

Name	Type	Size	IS_NULLABLE
ICDCategoryID	int		No
Description	nvarchar	100	No

Diagnosis Table

Description

The Diagnosis table stores the diagnosis sessions of patients. Diagnoses are identified by their PatientID and DiagnosisTime fields.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
DiagnosisTime	datetime		No
UserID	int		No
Comments	ntext		YES
TS	timestamp	8	YES

DiagnosisDetail Table

Description

The DiagnosisDetail table stores the diagnosis included in the ICD 9 sessions.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
DiagnosisTime	datetime		No
ICDID	int		No
ICDDate	datetime		YES
SortOrder	smallint		No
TS	timestamp	8	YES

ICD-10

This Module

The ICD-10 module is divided into two sets of tables:

- Customize Data tables
- Patients Data tables

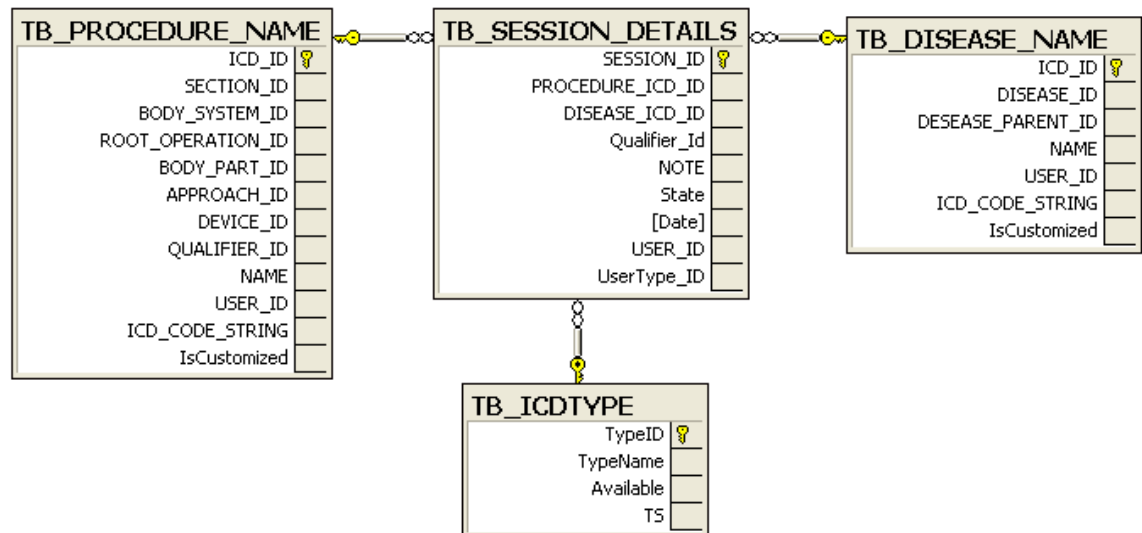
ICD-10 Customize Data Tables

The ICD-10 Customize Data set includes the following tables:

- TB_DISEASE_NAME
- TB_ICDTYPE
- TB_PROCEDURE_NAME
- TB_SESSION_DETAILS

The tables listed above are linked according to the following schema:

Figure 19. Schema of the ICD-10 Customize Data Tables



TB_DISEASE_NAME Table

Description

The TB_DISEASE_NAME stores the permanent and temporary diseases created by the users.

Columns

Name	Type	Size	IS_NULLABLE
ICD_ID	int		No
DISEASE_ID	int		No
DESEASE_PARENT_ID	int		YES
NAME	nvarchar	350	No
USER_ID	int		YES
ICD_CODE_STRING	nvarchar	100	YES
IsCustomized	bit		No

TB_ICDTYPE Table

Description

The TB_ICDTYPE table stores the ICD-10 types.

Columns

Name	Type	Size	IS_NULLABLE
TypeID	int		No
TypeName	nvarchar	50	No
Available	bit		No
TS	timestamp	8	YES

TB_PROCEDURE_NAME Table

Description

The TB_PROCEDURE_NAME table stores the permanent and temporary diseases created by the users.

Columns

Name	Type	Size	IS_NULLABLE
ICD_ID	int		No
SECTION_ID	int		No
BODY_SYSTEM_ID	int		No
ROOT_OPERATION_ID	int		No
BODY_PART_ID	int		No
APPROACH_ID	int		No
DEVICE_ID	int		No
QUALIFIER_ID	int		No
NAME	nvarchar	350	No
USER_ID	int		YES
ICD_CODE_STRING	nvarchar	14	No
IsCustomized	bit		YES

TB_SESSION_DETAILS Table

Description

The TB_SESSION_DETAILS table stores the different diseases and procedure descriptions that compose the session.

Columns

Name	Type	Size	IS_NULLABLE
SESSION_ID	int		No
PROCEDURE_ICD_ID	int		YES
DISEASE_ICD_ID	int		YES
Qualifier_Id	int		YES
NOTE	nvarchar	256	YES
State	bit		YES
Date	nvarchar	120	YES
USER_ID	int		YES
UserType_ID	smallint		YES

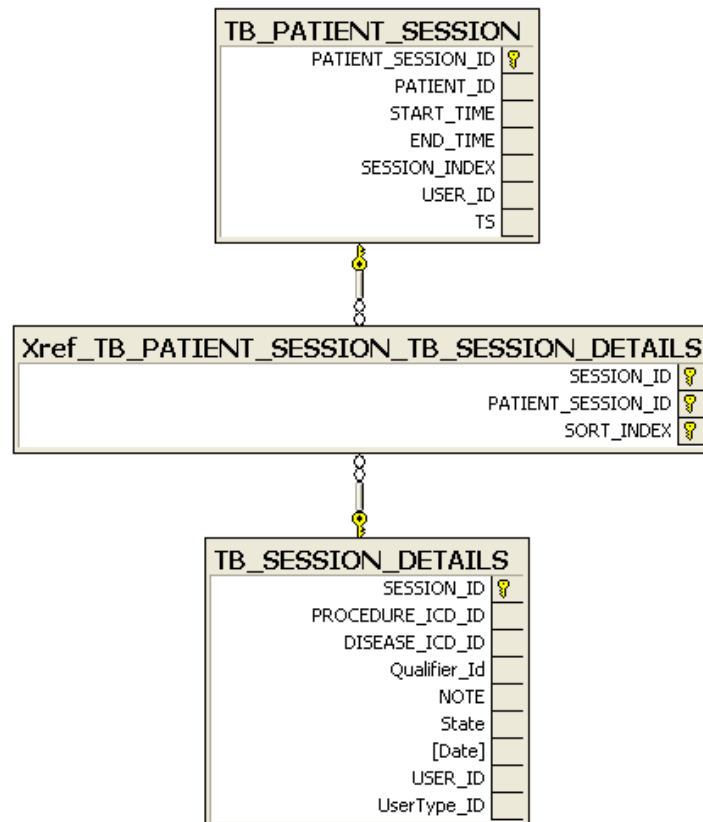
ICD-10 Patient Data Tables

The ICD-10 Patient Data set includes the following tables:

- TB_PATIENT_SESSION
- Xref_TB_PATIENT_SESSION_TB_SESSION_DETAILS

The tables listed above are linked according to the following schema:

Figure 20. Schema of the ICD-10 Patient Data Tables



TB_PATIENT_SESSION Table

Description

The TB_PATIENT_SESSION table stores the ICD-10 sessions of the patients.

The different diseases and procedure descriptions that compose the session are stored in the TB_SESSION_DETAILS. Since some of the details may appear in more than one session there's a table to link between session details and the sessions, called Xref_TB_PATIENT_SESSION_TB_SESSION_DETAILS.

Columns

Name	Type	Size	IS_NULLABLE
PATIENT_SESSION_ID	int		No
PATIENT_ID	int		No
START_TIME	datetime		YES
END_TIME	datetime		YES
SESSION_INDEX	int		No
USER_ID	int		YES
TS	timestamp	8	YES

Xref_TB_PATIENT_SESSION_TB_SESSION_DETAILS Table

Description

The TB_PATIENT_SESSION table stores the ICD-10 sessions of the patients.

The different diseases and procedure descriptions that compose the session are stored in the TB_SESSION_DETAILS. Since some of the details may appear in more than one session there's a table to link between session details and the sessions, called Xref_TB_PATIENT_SESSION_TB_SESSION_DETAILS.

Columns

Name	Type	Size	IS_NULLABLE
SESSION_ID	int		No
PATIENT_SESSION_ID	int		No
SORT_INDEX	int		No

PROBLEM LIST

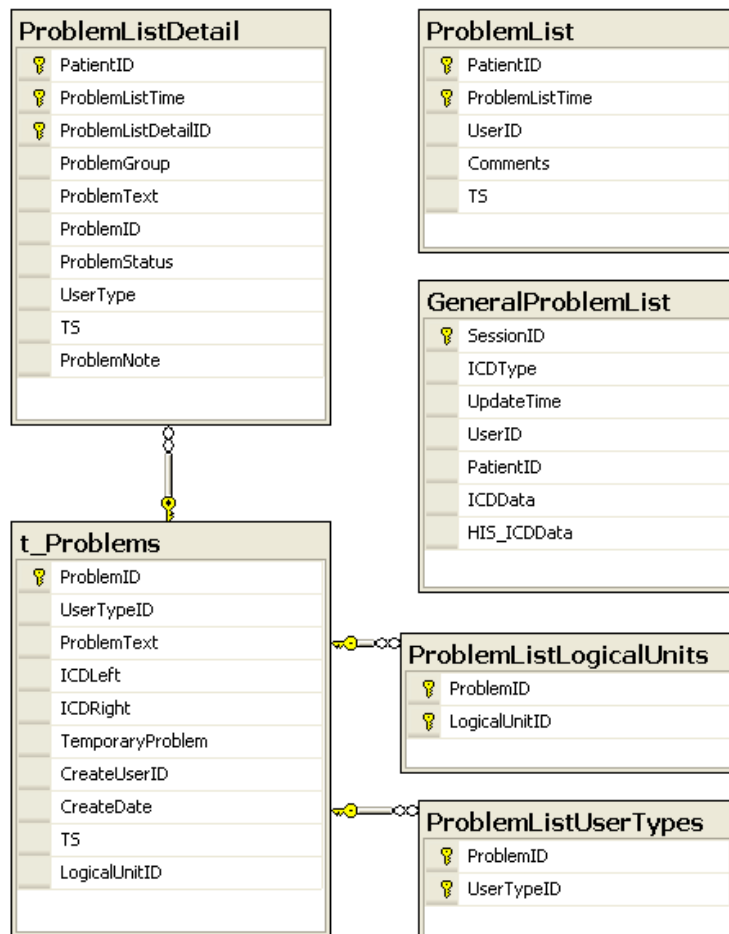
This Module

The Problem List module includes the following tables:

- ProblemList
- ProblemListDetail
- t_Problems
- GeneralProblemList
- ProblemListUserTypes
- ProblemListLogicalUnits

The tables listed above are linked according to the following schema:

Figure 21. Schema of the Problem List Tables



Problem List Module Tables

ProblemList Table

Description

The ProblemList table stores the problem list sessions of the patients.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
ProblemListTime	datetime		No
UserID	int		No
Comments	ntext		YES
TS	timestamp	8	YES

ProblemListDetail Table

Description

The ProblemListDetail table stores the details of each problem session..

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
ProblemListTime	datetime		No
ProblemListDetailID	int		No
ProblemGroup	smallint		No
ProblemText	nvarchar	100	YES
ProblemID	int		No
ProblemStatus	bit		No
UserType	smallint		No
TS	timestamp	8	YES
ProblemNote	ntext		YES

t_Problems Table

Description

The t_Problems table stores the problems customized in the department.

Columns

Name	Type	Size	IS_NULLABLE
ProblemID	int		No
UserID	smallint		No
ProblemText	nvarchar	100	YES
ICDLeft	nvarchar	7	YES
ICDRight	nvarchar	3	YES
TemporaryProblem	bit		No
CreateUserID	int		YES
CreateDate	datetime		YES
TS	timestamp	8	YES

GeneralProblemList Table

Description

The GeneralProblemList table stores the list of all problem entered in sessions with the patients.

Columns

Name	Type	Size	IS_NULLABLE
SessionID	int	4	No
ICDType	int	4	No
UpdateTime	datetime	8	No
UserID	int	4	No
PatientID	int	4	No
ICDData	ntext	max	YES
HIS_ICDData	nvarchar	2000	YES

ProblemListUserTypes Table

Description

The ProblemListUserTypes table stores the lists of Problems according to User Type.

Columns

Name	Type	Size	IS_NULLABLE
ProblemID	int	4	No
UserTypeID	smallint	2	No

ProblemListLogicalUnits Table

Description

The ProblemListLogicalUnits table stores the lists of Problems according to Logical Unit (hospital department).

Columns

Name	Type	Size	IS_NULLABLE
ProblemID	int		No
LogicalUnitID	int		No

NOTES

This Module

The Notes module is divided into two sets of tables:

- Customize Data tables
- Patients Data tables

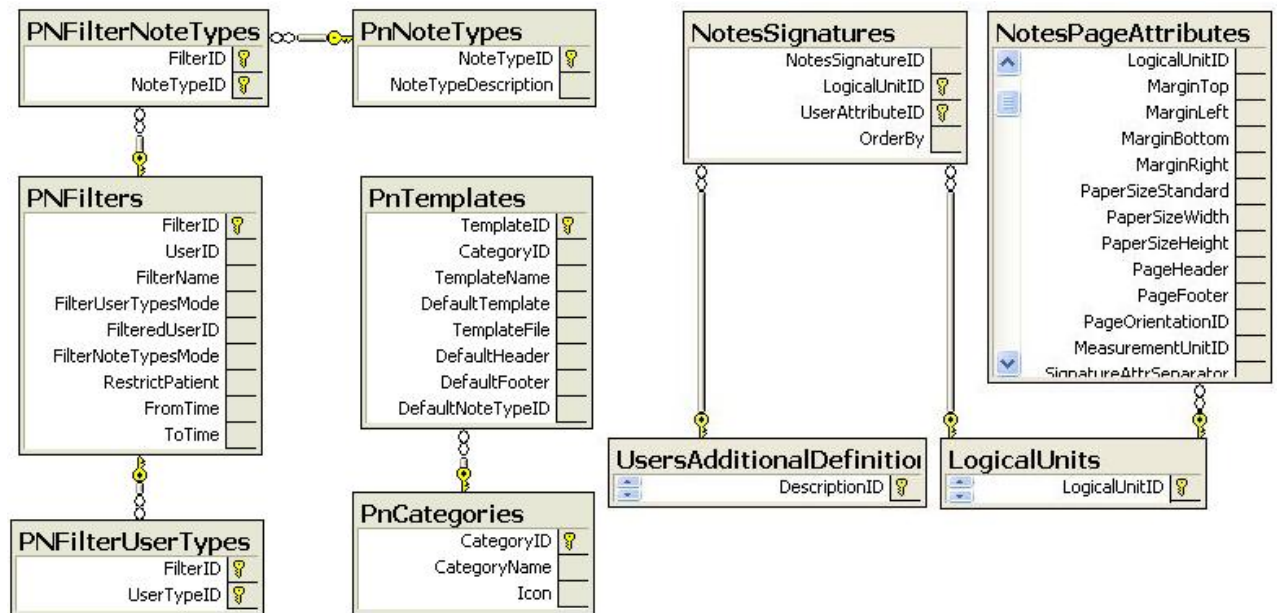
Notes Customize Data Tables

The Notes Customize Data set includes the following tables:

- PnCategories
- PNFilterNoteTypes
- PNFilters
- PNFilterUserTypes
- PnNoteTypes
- PnTemplates
- NotesPageAttributes
- NotesSignatures

The tables of the Notes module (listed below according to set) are linked according to the following schema:

Figure 22. Schema of the Notes Customize Data Tables



PnCategories Table

Description

The PnCategories table stores the category names and icon names.

Columns

Name	Type	Size	IS_NULLABLE
CategoryID	int		No
CategoryName	nvarchar	100	Yes
Icon	nvarchar	100	Yes

PNFilterNoteTypes Table

Description

The PNFilterNoteTypes table stores the customized note type filters.

Columns

Name	Type	Size	IS_NULLABLE
FilterID	int		No
NoteTypeID	smallint		No

PNFilters Table

Description

The PNFilters table stores the filters that have been used (and saved) by users.

Columns

Name	Type	Size	IS_NULLABLE
FilterID	int		No
UserID	int		No
FilterName	nvarchar	100	YES
FilterUserTypesMode	smallint		No
FilteredUserID	int		YES

Name	Type	Size	IS_NULLABLE
FilterNoteTypesMode	smallint		No
RestrictPatient	smallint		YES
FromTime	datetime		YES
ToTime	datetime		YES

PNFilterUserTypes Table

Description

The PNFilterUserTypes table stores the filters according to user type (such as Nurses, Attending Physician, etc.).

Columns

Name	Type	Size	IS_NULLABLE
FilterID	int		No
UserTypeID	smallint		No

PnNoteTypes Table

Description

The PnNoteTypes table stores the customized note types (such as Nurse notes, Physician notes, etc.).

Columns

Name	Type	Size	IS_NULLABLE
NoteTypeID	smallint		No
NoteTypeDescription	nvarchar	255	No

PnTemplates Table

Description

The PnTemplates table stores the customized templates for notes.

Columns

Name	Type	Size	IS_NULLABLE
TemplateID	int		No
CategoryID	int		No
TemplateName	nvarchar	255	No
DefaultTemplate	smallint		No
TemplateFile	image		YES
DefaultHeader	smallint		No
DefaultFooter	smallint		No
DefaultNoteTypeID	smallint		YES

NotesPageAttributes Table

Description

The NotesPageAttributes table stores the page attributes of customized notes.

Columns

Name	Type	Size	IS_NULLABLE
NotesPageAttributesID	smallint	2	No
LogicalUnitID	int	4	No
MarginTop	smallint	2	No
MarginLeft	smallint	2	No
MarginBottom	smallint	2	No
MarginRight	smallint	2	No
PaperSizeStandard	smallint	2	No
PaperSizeWidth	smallint	2	YES

Name	Type	Size	IS_NULLABLE
PaperSizeHeight	smallint	2	YES
PageHeader	smallint	2	No
PageFooter	smallint	2	No
PageOrientationID	tinyint	1	No
MeasurementUnitID	tinyint	1	No
SignatureAttrSeparator	char	1	No
DefaultSignatureFont	bit	1	No
SignatureFont	nvarchar(100)	200	YES
SignatureFontSize	smallint	2	No
DocumentDefaultFont	nvarchar(100)	200	No
DocumentDefaultFontSize	smallint	2	No

NotesSignatures Table

Description

The NotesSignatures table stores the signature IDs of Notes users (authors).

Columns

Name	Type	Size	IS_NULLABLE
NotesSignatureID	int	4	No
LogicalUnitID	int	4	No
UserAttributeID	int	4	No
OrderBy	smallint	2	No

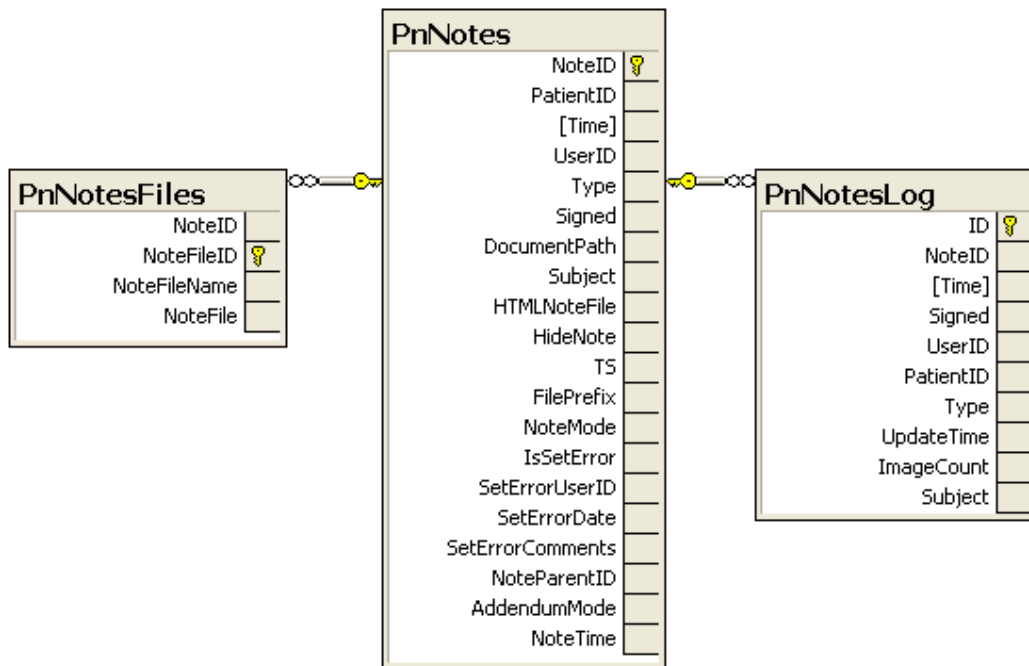
Notes Patient Data Tables

The Notes Patient Data set includes the following tables:

- PnNotes
- PnNotesFiles
- PnNotesLog

The tables of the listed above are linked according to the following schema:

Figure 23. Schema of the Notes Customize Data Tables



PnNotes Table

Description

Notes are stored in the database as HTML files. The PnNotes table stores the headers of the notes and the main HTML note body. The image files and XML mappings that compose the note files are stored in the PnNotesFiles table, linked to the PnNotes table by the NoteID column.

Columns

Name	Type	Size	IS_NULLABLE
NoteID	int		No
PatientID	int		No
Time	datetime		No
UserID	int		No
Type	smallint		YES
Signed	bit		No
DocumentPath	nvarchar	255	YES
Subject	nvarchar	50	YES
HTMLNoteFile	image		No
HideNote	bit		YES
TS	timestamp	8	YES
FilePrefix	nvarchar	100	YES
NoteMode	tinyint		YES
IsSetError	bit		YES
SetErrorUserID	int		YES
SetErrorDate	datetime		YES
SetErrorComments	nvarchar	100	YES
NoteParentID	int		YES
AddendumMode	bit		YES
NoteTime	datetime		YES

PnNotesFiles Table

Description

The PnNotesFiles table stores the files that compose an HTML note body file.

Columns

Name	Type	Size	IS_NULLABLE
NoteID	int		No
NoteFileID	int		No
NoteFileName	nvarchar	200	No
NoteFile	image		No

PnNotesLog Table

Description

The PnNotesLog table stores log records of the notes sent.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
NoteID	int		No
Time	datetime		No
Signed	bit		No
UserID	int		No
PatientID	int		No
Type	smallint		YES
UpdateTime	datetime		No
ImageCount	smallint		No
Subject	nvarchar	50	YES

PRE-ADMISSION MEDICATION

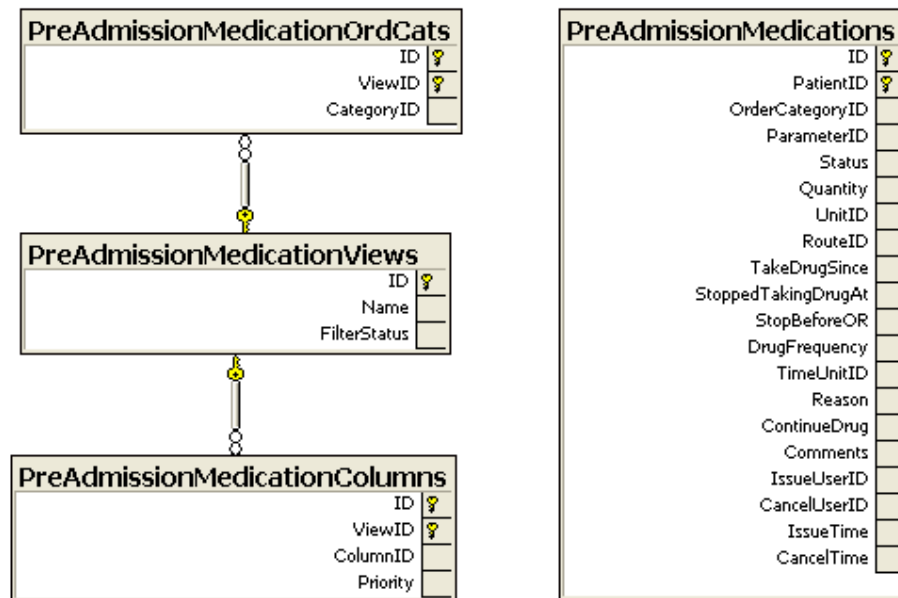
This Module

The Pre-Admission Medication module is divided into two sets of tables:

- Customize Data tables
- Patients Data tables

The tables of the Pre-Admission Medication module (listed below according to set) are linked according to the following schema:

Figure 24. Schema of the Pre-Admission Medication Tables



Pre-Admission Medication Customize Data Tables

The Pre-Admission Medication Customize Data set includes the following tables:

- PreAdmissionMedicationColumns
- PreAdmissionMedicationOrdCats
- PreAdmissionMedicationViews

The tables listed above are linked according to the schema pictured above.

PreAdmissionMedicationColumns Table

Description

The PreAdmissionMedicationColumns table stores the defined columns of the customized pre admission medication layout.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
ViewID	smallint		No
ColumnID	smallint		No
Priority	smallint		No

PreAdmissionMedicationOrdCats Table

Description

The PreAdmissionMedicationOrdCats table stores the defined order categories of the customized pre admission medication layout.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
ViewID	smallint		No
CategoryID	smallint		No

PreAdmissionMedicationViews Table

Description

The PreAdmissionMedicationViews table stores the layout views of the customized pre admission medication layout.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
Name	nvarchar	255	No
FilterStatus	smallint		YES

Pre-Admission Medication Patient Data Tables

The Pre-Admission Medication Patient Data set includes the following table:

- PreAdmissionMedications

The table listed above is solitary in the Patient Data set, and is not linked.

PreAdmissionMedications Table

Description

The PreAdmissionMedication table stores properties of medications (such as types and quantities) taken by patients prior to being admitted to the department.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
PatientID	int		No
OrderCategoryID	smallint		No
ParameterID	smallint		No
Status	tinyint		No
Quantity	real		YES
UnitID	smallint		YES
RouteID	smallint		YES
TakeDrugSince	datetime		YES
StoppedTakingDrugAt	datetime		YES
StopBeforeOR	datetime		YES
DrugFrequency	smallint		YES
TimeUnitID	smallint		YES
Reason	nvarchar	2000	YES
ContinueDrug	bit		YES
Comments	nvarchar	2000	YES
IssueUserID	int		YES

Name	Type	Size	IS_NULLABLE
CancelUserID	int		YES
IssueTime	datetime		YES
CancelTime	datetime		YES

MICROBIOLOGY

This Module

The Microbiology module is divided into two sets of tables:

- Customize Data tables
- Patients Data tables

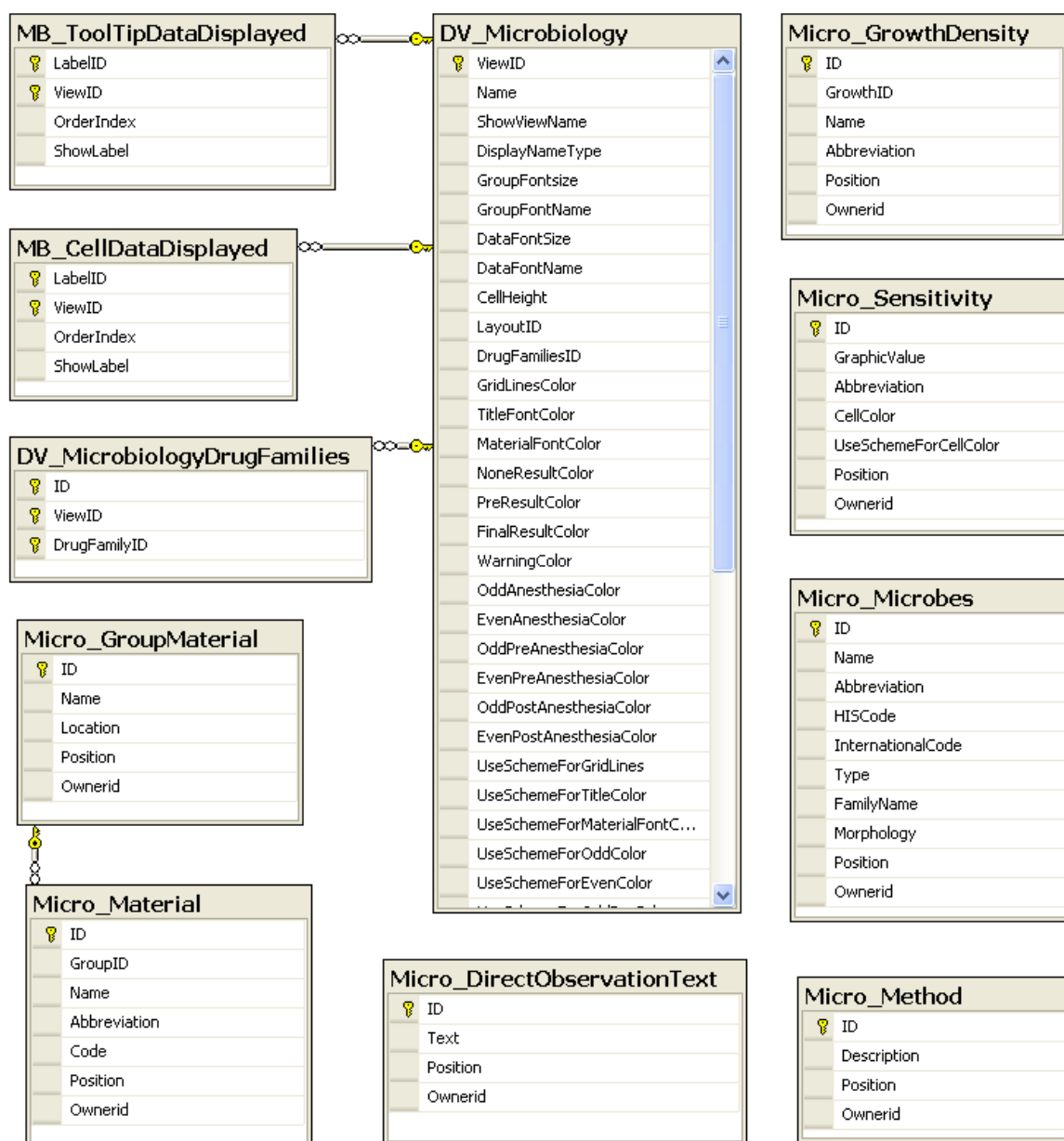
Microbiology Customize Data Tables

The Microbiology Customize Data set includes the following tables:

- DV_Microbiology
- DV_MicrobiologyDrugFamilies
- Micro_DirectObservationText
- Micro_GroupMaterial
- Micro_GrowthDensity
- Micro_Material
- Micro_Method
- Micro_Microbes
- Micro_Result_Log
- Micro_Sensitivity
- Micro_Site
- MB_CellDataDisplayed
- MB_ToolTipDataDisplayed

The tables listed above are linked according to the following schema:

Figure 25. Schema of the Microbiology Customize Data Tables



DV_Microbiology Table

Description

The DV_Microbiology table stores the properties and parameters for the microbiology view.

Columns

Name	Type	Size	IS_NULLABLE
ViewID	int		No
Name	nvarchar	60	No
ShowViewName	bit		YES
DisplayNameType	smallint		YES
GroupFontSize	real		YES
GroupFontName	nvarchar	120	YES
DataFontSize	real		YES
DataFontName	nvarchar	120	YES
CellHeight	smallint		No
LayoutID	int		YES
DrugFamiliesID	int		YES
GridLinesColor	int		No
TitleFontColor	int		No
MaterialFontColor	int		No
NoneResultColor	int		No
PreResultColor	int		No
FinalResultColor	int		No
WarningColor	int		No
OddAnesthesiaColor	int		No
EvenAnesthesiaColor	int		No
OddPreAnesthesiaColor	int		No
EvenPreAnesthesiaColor	int		No

Name	Type	Size	IS_NULLABLE
OddPostAnesthesiaColor	int		No
EvenPostAnesthesiaColor	int		No
UseSchemeForGridLines	bit		No
UseSchemeForTitleColor	bit		No
UseSchemeForMaterialFontColor	bit		No
UseSchemeForOddColor	bit		No
UseSchemeForEvenColor	bit		No
UseSchemeForOddPreColor	bit		No
UseSchemeForEvenPreColor	bit		No
UseSchemeForOddPostColor	bit		No
UseSchemeForEvenPostColor	bit		No
UseSchemeForPreResultColor	bit		No
UseSchemeForFinalResultColor	bit		No
UseSchemeForNoneResultColor	bit		No
UseSchemeForWarningColor	bit		No

DV_MicrobiologyDrugFamilies Table

Description

The DV_MicrobiologyDrugFamilies table stores the drug families for microbiology labs tests.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
ViewID	int		No
DrugFamilyID	smallint		No

Micro_DirectObservationText Table

Description

The Micro_DirectObservationText table stores the text description of the predefined direct observation results.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Text	nvarchar	50	No
Position	int		No

Micro_GroupMaterial Table

Description

The Micro_GroupMaterial table stores the names, locations and positions of material groups .

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Name	nvarchar	50	No
Location	nvarchar	50	No
Position	int		No

Micro_GrowthDensity Table

Description

The Micro_GrowthDensity table stores the names, IDs and positions of growth density.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
GrowthID	nvarchar	100	No
Name	nvarchar	200	No

Name	Type	Size	IS_NULLABLE
Abbreviation	nvarchar	200	No
Position	int		No

Micro_Material Table

Description

The Micro_Material table stores the names, codes, IDs and positions of micro materials.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
GroupID	int		No
Name	nvarchar	50	No
Abbreviation	nvarchar	50	No
Code	nvarchar	50	YES
Position	int		No

Micro_Method Table

Description

The Micro_Method table stores the text description of the lab method.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Description	nvarchar	200	No
Position	int		No

Micro_Microbes Table

Description

The Micro_Microbes table stores the properties, names, codes and types of the microbes and viruses.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Name	nvarchar	200	YES
Abbreviation	nvarchar	200	No
HISCode	nvarchar	50	YES
InternationalCode	nvarchar	50	YES
Type	nvarchar	50	YES
FamilyName	nvarchar	50	YES
Morphology	nvarchar	50	YES
Position	int		No

Micro_Result_Log Table

Description

The Micro_Result_Log table stores the log records of microbiology lab results.

Columns

Name	Type	Size	IS_NULLABLE
ResultID	int		No
SpecimenID	int		No
Time	datetime		No
LogTime	datetime		No
MicrobesID	int		No
GrowthDensityID	int		YES
Remark	nvarchar	200	YES

Name	Type	Size	IS_NULLABLE
MethodID	int		YES
GramStainingResult	nvarchar	1000	YES
GramStainingComment	nvarchar	1000	YES
Status	smallint		YES
VirusOutcome	bit		YES
VirusTiter	nvarchar	50	YES
Warning	bit		YES
Error	bit		YES
LogUserID	int		YES
Validation	bit		YES
IDEN	int		No

Micro_Sensitivity Table

Description

The Micro_Sensitivity table stores the pre-customized properties for viewing the microbe sensitivity overview window.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
GraphicValue	nvarchar	200	No
Abbreviation	nvarchar	50	No
CellColor	int		YES
UseSchemeForCellColor	bit		YES
Position	int		No

Micro_Site Table

Description

The Micro_Site table stores the text description and position of the site.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Name	nvarchar	100	No
Description	nvarchar	500	YES
Position	int		No

MB_CellDataDisplayed Table

Description

The MB_CellDataDisplayed table stores the data displayed in microbiology view cell.

Columns

Name	Type	Size	IS_NULLABLE
LabelID	int		NO
ViewID	int		NO
OrderIndex	smallint		NO
ShowLabel	bit		NO

MB_ToolTipDataDisplayed Table

Description

The MB_ToolTipDataDisplayed table stores the data displayed in microbiology view tooltip.

Columns

Name	Type	Size	IS_NULLABLE
LabelID	int		NO
ViewID	int		NO
OrderIndex	smallint		NO
ShowLabel	bit		NO

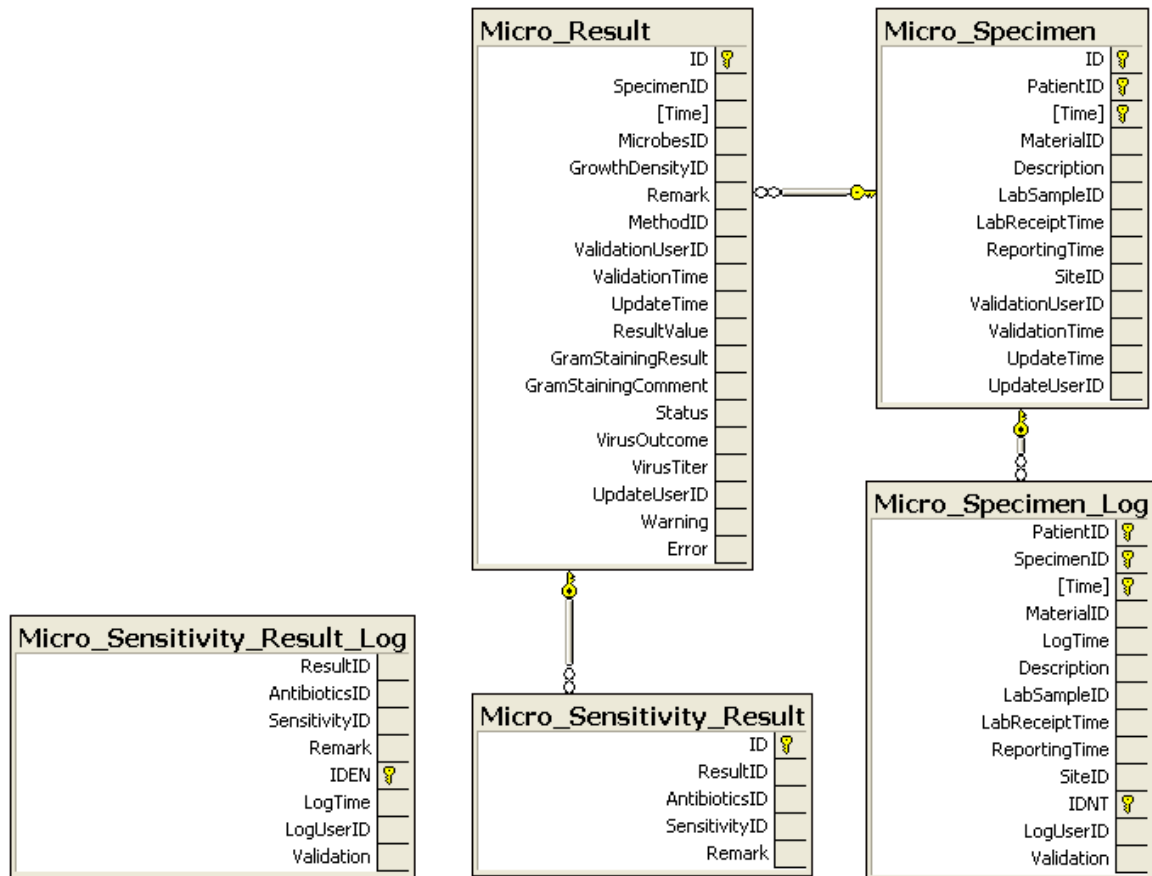
Microbiology Patient Data Tables

The Microbiology Patient Data set includes the following tables:

- Micro_Result
- Micro_Sensitivity_Result
- Micro_Sensitivity_Result_Log
- Micro_Specimen
- Micro_Specimen_Log

The tables listed above are linked according to the schema below:

Figure 26. Schema of the Microbiology Patient Data Table



Micro_Result Table

Description

The Micro_Result table stores the microbiology lab results and related data.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
SpecimenID	int		No
Time	datetime		No
MicrobesID	int		No
GrowthDensityID	int		YES
Remark	nvarchar	200	YES
MethodID	int		YES
ValidationUserID	int		YES
ValidationTime	datetime		YES
UpdateTime	datetime		YES
ResultValue	nvarchar	200	YES
GramStainingResult	nvarchar	1000	YES
GramStainingComment	nvarchar	1000	YES
Status	smallint		YES
VirusOutcome	smallint		YES
VirusTiter	nvarchar	50	YES
UpdateUserID	int		YES
Warning	bit		No
Error	bit		No

Micro_Sensitivity_Result Table

Description

The Micro_Sensitivity_Result table stores the data entered into the Results and Sensitivity pane of the Microbiology window.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
ResultID	int		No
AntibioticsID	smallint		No
SensitivityID	int		No
Remark	nvarchar	200	YES

Micro_Sensitivity_Result_Log Table

Description

The Micro_Sensitivity_Result_Log table stores log records of the data entered into the Results and Sensitivity pane of the Microbiology window.

Columns

Name	Type	Size	IS_NULLABLE
ResultID	int		No
AntibioticsID	smallint		No
SensitivityID	int		No
Remark	nvarchar	200	YES
IDEN	int		No
LogTime	datetime		No
LogUserID	int		YES
Validation	bit		YES

Micro_Specimen Table

Description

The Micro_Specimen table stores the data entered into the Specimen pane of the Microbiology window.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
PatientID	int		No
Time	datetime		No
MaterialID	int		No
Description	nvarchar	3500	YES
LabSampleID	nvarchar	50	YES
LabReceiptTime	datetime		YES
ReportingTime	datetime		YES
SiteID	int		YES
ValidationUserID	int		YES
ValidationTime	datetime		YES
UpdateTime	datetime		No
UpdateUserID	int		YES

Micro_Specimen_Log Table

Description

The Micro_Specimen_Log table stores log records of the data entered into the Specimen pane of the Microbiology window.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
SpecimenID	int		No
Time	datetime		No
MaterialID	int		No
LogTime	datetime		No
Description	nvarchar	3500	YES
LabSampleID	nvarchar	50	YES
LabReceiptTime	datetime		YES
ReportingTime	datetime		YES
SiteID	int		YES
IDNT	int		No
LogUserID	int		YES
Validation	bit		YES

EVENTS

This Module

The Events module is divided into two sets of tables:

- Customize Data tables
- Patients Data tables

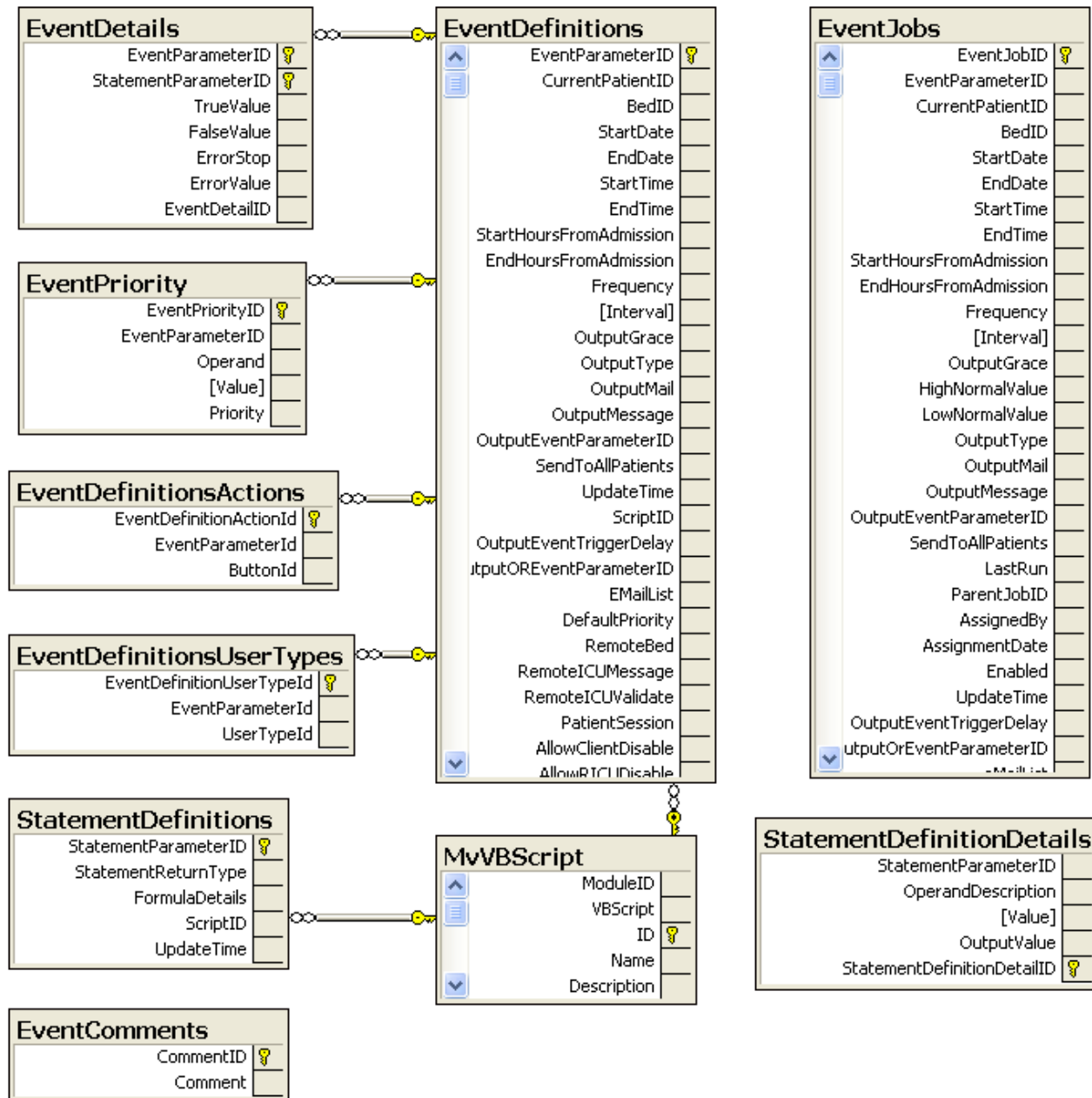
Events Customize Data Tables

The Events Customize Data set includes the following tables:

- EventComments
- EventDefinitions
- MvVBScript
- EventDefinitionsActions
- EventDefinitionsUserTypes
- EventDetails
- EventJobs
- EventPriority
- StatementDefinitionDetails
- StatementDefinitions

The tables listed above are linked according to the following schema:

Figure 27. Schema of the Events Customize Data Tables



EventComments Table

Description

The EventComments table stores pre customized text comments for customized events.

Columns

Name	Type	Size	IS_NULLABLE
CommentID	int		No
Comment	nvarchar	2000	No

EventDefinitions Table

Description

The EventDefinitions table stores definitions for pre-defined (customized) events.

Columns

Name	Type	Size	IS_NULLABLE
EventParameterID	smallint		No
CurrentPatientID	int		YES
BedID	smallint		YES
StartDate	smalldatetime		No
EndDate	smalldatetime		No
StartTime	smalldatetime		No
EndTime	smalldatetime		No
StartHoursFromAdmission	smallint		No
EndHoursFromAdmission	smallint		No
Frequency	smallint		No
Interval	smallint		No
OutputGrace	smallint		No
OutputType	smallint		No
OutputMail	smallint		YES

Name	Type	Size	IS_NULLABLE
OutputMessage	nvarchar	1200	YES
OutputEventParameterID	smallint		YES
SendToAllPatients	smallint		No
UpdateTime	smalldatetime		No
ScriptID	int		No
OutputEventTriggerDelay	smallint		No
OutputOREventParameterID	smallint		YES
EMailList	nvarchar	1200	YES
DefaultPriority	smallint		No
RemoteBed	bit		No
RemotelCUMessage	bit		No
RemotelCUValidate	bit		No
PatientSession	bit		No
AllowClientDisable	bit		No
AllowRICUDisable	bit		No
ShowInScheduling	bit		YES
PagerList	nvarchar	1200	YES

MvVBScript Table

Description

The MvVBScript table stores the customized VB scripts and their descriptions.

Columns

Name	Type	Size	IS_NULLABLE
ModuleID	smallint		No
VBScript	ntext		No
ID	int		No

Name	Type	Size	IS_NULLABLE
Name	nvarchar	100	YES
Description	nvarchar	1000	YES

EventDefinitionsActions Table

Description

The EventDefinitionsActions table stores the predefined MetaVision actions.

Columns

Name	Type	Size	IS_NULLABLE
EventDefinitionActionId	int		No
EventParameterId	smallint		No
ButtonId	int		No

EventDefinitionsUserTypes Table

Description

The EventDefinitionsUserTypes table stores the user types authorized for predefined events.

Columns

Name	Type	Size	IS_NULLABLE
EventDefinitionUserTypeId	int		No
EventParameterId	smallint		No
UserTypeId	smallint		No

EventDetails Table

Description

The EventDetails table stores details of event values (such as True, False, Error).

Columns

Name	Type	Size	IS_NULLABLE
EventParameterID	smallint		No
StatementParameterID	smallint		No
TrueValue	smallint		No
FalseValue	smallint		No
ErrorStop	smallint		No
ErrorValue	smallint		YES
EventDetailID	int		No

EventJobs Table

Description

The EventJobs table stores the properties and parameters of the predefined event jobs.

Columns

Name	Type	Size	IS_NULLABLE
EventJobID	int		No
EventParameterID	smallint		No
CurrentPatientID	int		YES
BedID	smallint		YES
StartDate	smalldatetime		No
EndDate	smalldatetime		No
StartTime	smalldatetime		No
EndTime	smalldatetime		No
StartHoursFromAdmission	smallint		No

Name	Type	Size	IS_NULLABLE
EndHoursFromAdmission	smallint		No
Frequency	smallint		No
Interval	smallint		No
OutputGrace	smallint		No
HighNormalValue	numeric		YES
LowNormalValue	numeric		YES
OutputType	smallint		No
OutputMail	smallint		YES
OutputMessage	nvarchar	255	YES
OutputEventParameterID	smallint		YES
SendToAllPatients	smallint		No
LastRun	smalldatetime		No
ParentJobID	smallint		YES
AssignedBy	int		YES
AssignmentDate	smalldatetime		No
Enabled	smallint		No
UpdateTime	smalldatetime		No
OutputEventTriggerDelay	smallint		No
OutputOrEventParameterID	smallint		YES
eMailList	nvarchar	2000	YES
TS	timestamp	8	YES
Visible	bit		No
PatientSessions	bit		No
LocalBed	bit		No
Logicalunitid	int		YES

EventPriority Table

Description

The EventPriority table stores the priorities of predefined (customized) events.

Columns

Name	Type	Size	IS_NULLABLE
EventPriorityID	int		No
EventParameterID	smallint		No
Operand	smallint		No
Value	numeric		No
Priority	smallint		No

StatementDefinitions Table

Description

The StatementDefinitions table stores the definitions of customized statements.

Columns

Name	Type	Size	IS_NULLABLE
StatementParameterID	smallint		No
StatementReturnType	smallint		No
FormulaDetails	nvarchar	3500	No
ScriptID	int		No
UpdateTime	smalldatetime		No

StatementDefinitionDetails Table

Description

The StatementDefinitionDetails table stores the definition details of customized statements.

Columns

Name	Type	Size	IS_NULLABLE
StatementParameterID	smallint		No
OperandDescription	nvarchar	5	No
Value	numeric		YES
OutputValue	smallint		No
StatementDefinitionDetailID	int		No

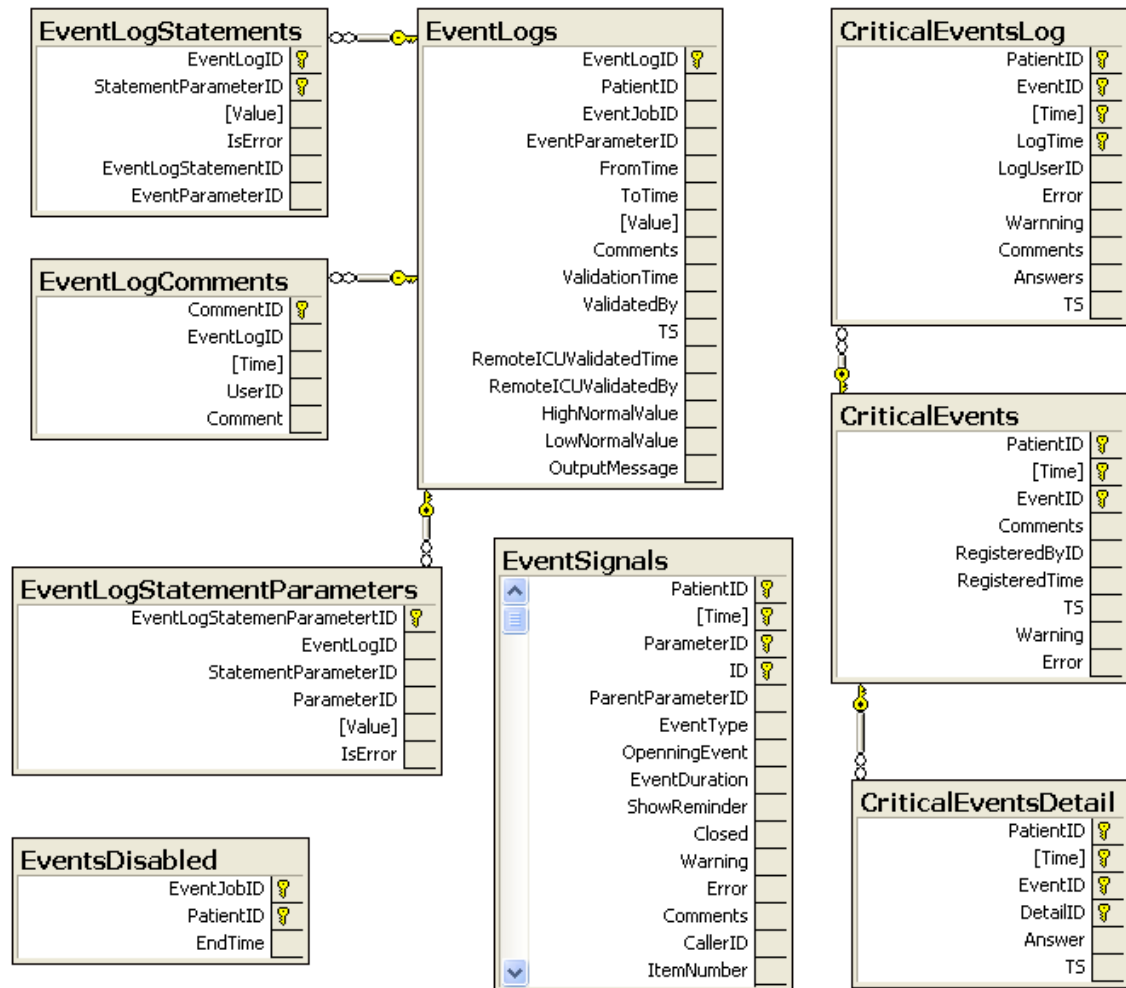
Events Patient Data Tables

The Events Patient Data set includes the following tables:

- CriticalEvents
- CriticalEventsDetail
- CriticalEventsLog
- EventLogComments
- EventLogs
- EventLogStatementParameters
- EventLogStatements
- EventsDisabled
- EventSignals

The tables listed above are linked according to the schema below:

Figure 28. Schema of the Events Patient Data Table



CriticalEvents Table

Description

The CriticalEvents table stores the data and comments, warnings and errors of critical events that occurred to patients.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
Time	datetime		No
EventID	smallint		No
Comments	nvarchar	255	YES
RegisteredByID	int		No
RegisteredTime	datetime		YES
TS	timestamp	8	YES
Warning	smallint		YES
Error	smallint		YES

CriticalEventsDetail Table

Description

The CriticalEventsDetail table stores the details and answers to critical events that occurred to patients.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
Time	datetime		No
EventID	smallint		No
DetailID	smallint		No
Answer	nvarchar	255	YES
TS	timestamp	8	YES

CriticalEventsLog Table

Description

The CriticalEventsLog table stores log records of critical events that occurred to patients.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
EventID	smallint		No
Time	datetime		No
LogTime	datetime		No
LogUserID	int		No
Error	smallint		YES
Warning	smallint		YES
Comments	nvarchar	255	YES
Answers	nvarchar	255	YES
TS	timestamp	8	YES

EventLogs Table

Description

The EventLogs table stores log records of events that occurred to patients.

Columns

Name	Type	Size	IS_NULLABLE
EventLogID	int		No
PatientID	int		No
EventJobID	int		No
EventParameterID	smallint		No
FromTime	smalldatetime		No
ToTime	smalldatetime		No

Name	Type	Size	IS_NULLABLE
Value	numeric		No
Comments	nvarchar	2000	No
ValidationTime	smalldatetime		YES
ValidatedBy	int		YES
TS	timestamp	8	YES
RemoteICUValidatedTime	smalldatetime		YES
RemoteICUValidatedBy	int		YES
HighNormalValue	numeric		YES
LowNormalValue	numeric		YES
OutputMessage	nvarchar	255	YES

EventLogComments Table

Description

The EventLogComments table stores text comments of the events log.

Columns

Name	Type	Size	IS_NULLABLE
CommentID	int		No
EventLogID	int		No
Time	datetime		No
UserID	int		No
Comment	nvarchar	4000	No

EventLogStatements Table

Description

The EventLogStatements table stores a log of statement values for events that occurred to patients.

Columns

Name	Type	Size	IS_NULLABLE
EventLogID	int		No
StatementParameterID	smallint		No
Value	numeric		No
IsError	smallint		No
EventLogStatementID	int		No
EventParameterID	smallint		No

EventLogStatementParameters Table

Description

The EventLogStatementParameters table stores the log of parameter values for events that occurred to patients.

Columns

Name	Type	Size	IS_NULLABLE
EventLogStatemenParameterID	int		No
EventLogID	int		No
StatementParameterID	smallint		No
ParameterID	int		No
Value	nvarchar	255	No
IsError	smallint		No

EventsDisabled Table

Description

The EventsDisabled table stores the time frame of disabled events.

Columns

Name	Type	Size	IS_NULLABLE
EventJobID	int		No
PatientID	int		No
EndTime	datetime		No

EventSignals Table

Description

The EventSignals table stores data of signals from events that occurred to patients.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
Time	smalldatetime		No
ParameterID	smallint		No
ID	int		No
ParentParameterID	int		YES
EventType	smallint		No
OpenningEvent	bit		No
EventDuration	int		YES
ShowReminder	bit		No
Closed	bit		No
Warning	bit		No
Error	bit		No
Comments	nvarchar	3500	YES

Name	Type	Size	IS_NULLABLE
CallerID	uniqueidentifier		YES
ItemNumber	smallint		YES
TotalNumber	smallint		YES
EnteredBy	int		No
EnteredOn	smalldatetime		No
UpdatedBy	int		YES
UpdatedOn	smalldatetime		No
ToTime	smalldatetime		YES
SystemError	bit		YES
FB_Session_Exists	bit		YES
TS	timestamp	8	YES
OriginalID	int		YES
Quantity	real		YES
ContinueInNextDept	bit		No

LAYOUT COMPONENTS

This Module

The Layout Components module is divided into eight sets of customization tables:

- Customize Data tables
- Tabs Customization tables
- Bars Customization tables
- Toolbar tables
- Icons Customization tables
- Shortcuts Key Customization tables
- Color Scheme tables
- Buttons tables
- Main Screen Customization tables

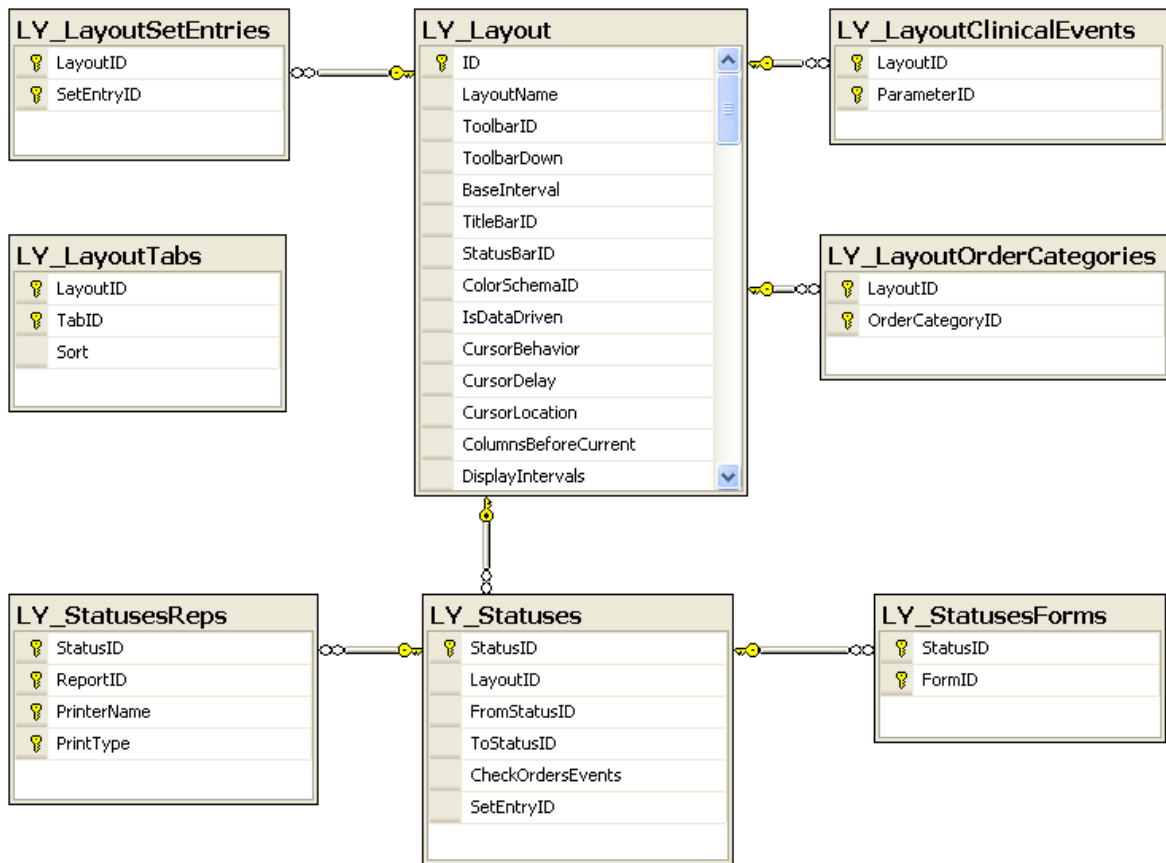
Layout Customize Data Tables

The Layout Customize Data set includes the following tables:

- LY_Layout
- LY_LayoutOrderCategories
- LY_LayoutSetEntries
- LY_LayoutTabs
- LY_Statues
- LY_StatuesForms
- LY_StatuesReps
- LY_LayoutClinicalEvents

The tables listed above are linked according to the following schema:

Figure 29. Schema of the Layout Customize Data Tables



LY_Layout Table

Description

The LY_Layout table stores the customization properties and parameters of the layout views.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
LayoutName	nvarchar	100	No
ToolBarID	int		No
ToolBarDown	bit		No
BaseInterval	smallint		No
TitleBarID	int		No
StatusBarID	int		No
ColorSchemaID	int		No
IsDataDriven	smallint		No
CursorBehavior	tinyint		No
CursorDelay	smallint		YES
CursorLocation	tinyint		No
ColumnsBeforeCurrent	tinyint		No
DisplayIntervals	nvarchar	120	YES
IsLargeViewMode	bit		No
HideTabs	bit		No
UseSmallTabs	bit		No
HideMainToolBar	bit		No
LargeButtons	bit		No
SmallTimeFrame	bit		No
NoOfColumns	smallint		No
NoOfVisibleRows	smallint		No

Name	Type	Size	IS_NULLABLE
TabPosition	smallint		No
MandatoryFormId	uniqueidentifier		YES
MandatoryFormMode	smallint		YES
ShowRightColumn	bit		No
DataDriverBehavior	bit		No
DefaultTimeControl	smallint		No
DisplayButtonOpenDTP	bit		No
SC_GroupID	smallint		YES
NoOfColumnsToScroll	smallint		No
DisplayMenus	bit		No
AutoModeNoOfHours	smallint		No
UseTouchScreen	bit		No
MenuID	int		YES
UseAdvancedOrderEntry	bit		No
DefaultGraphViewID	int		YES
UseDetailedSetEntry	bit		No
ShowActionMessage	bit		No
ShowDateOnCurrentDay	bit		No
IsHidden	bit		No
OrderReminderToolBarID	smallint		YES
PatientListDefaultStatuses	nvarchar	20	YES
DataDrivenFromStatus	smallint		YES
UseCustomuTabsFont	bit		No
TabsFontName	nvarchar	60	YES
TabsFontSize	smallint		YES
OrdersFlags	int		No

Name	Type	Size	IS_NULLABLE
Orders_Settings_XML	nvarchar	3000	YES
HideReadOnlyParameterIcon	bit		No
SortNotesBy	tinyint		No
SortNotesType	tinyint		No
NavigationArrowScroll	tinyint		No

LY_LayoutOrderCategories Table

Description

The LY_LayoutOrderCategories table stores the assignment of customized layouts to the order categories.

Columns

Name	Type	Size	IS_NULLABLE
LayoutID	int		No
OrderCategoryID	smallint		No

LY_LayoutSetEntries Table

Description

The LY_LayoutSetEntries table stores the assignment of customized layouts to the set entries.

Columns

Name	Type	Size	IS_NULLABLE
LayoutID	int		No
SetEntryID	int		No

LY_LayoutTabs Table

Description

The LY_LayoutTabs table stores the assignment of tabs to the customized layouts.

Columns

Name	Type	Size	IS_NULLABLE
LayoutID	int		No
TabID	int		No
Sort	smallint		No

LY_Statues Table

Description

The LY_Statues table stores the status of the set entry whenever a patient is transferred from one status to another (for example, from pre-admission status to admission status).

Columns

Name	Type	Size	IS_NULLABLE
StatusID	int		No
LayoutID	int		No
FromStatusID	smallint		No
ToStatusID	smallint		No
CheckOrdersEvents	bit		YES
SetEntryID	int		YES

LY_StatuesForms Table

Description

The LY_StatuesForms table stores the status of the forms whenever a patient is transferred from one status to another (for example, from pre-admission status to admission status).

Columns

Name	Type	Size	IS_NULLABLE
StatusID	int		No
FormID	uniqueidentifier		No

LY_StatusesReps Table

Description

The LY_StatusesForms table stores the status of the reports whenever a patient is transferred from one status to another (for example, from pre-admission status to admission status).

Columns

Name	Type	Size	IS_NULLABLE
StatusID	int		No
ReportID	uniqueidentifier		No
PrinterName	nvarchar	200	No
PrintType	smallint		No

LY_LayoutClinicalEvents Table

Description

The LY_LayoutClinicalEvents table stores the time controlled events which will appear in a layout.

Columns

Name	Type	Size	IS_NULLABLE
LayoutID	int		No
ParameterID	smallint		No

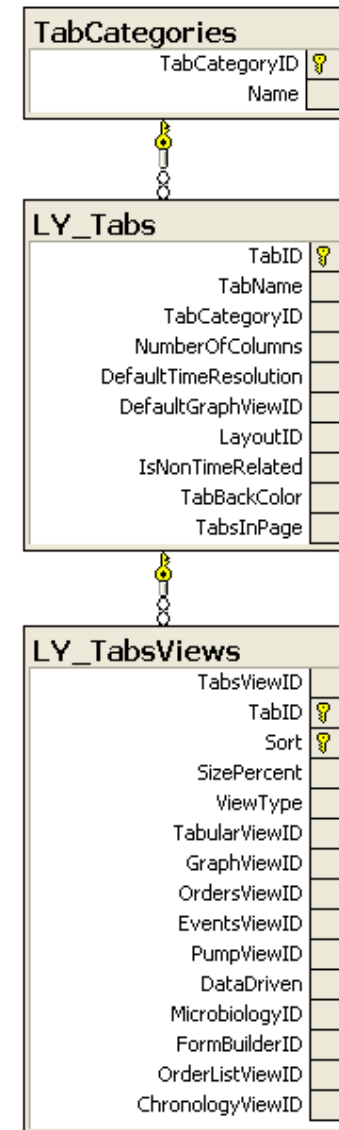
Tabs Customization Tables

The Tabs Customization set includes the following tables:

- LY_Tabs
- LY_TabsViews
- TabCategories

The tables listed above are linked according to the following schema:

Figure 30. Schema of the Tabs Customization Tables



LY_Tabs Table

Description

The LY_Tabs table stores the properties of the customized tabs.

Columns

Name	Type	Size	IS_NULLABLE
TabID	int		No
TabName	nvarchar	60	No
TabCategoryID	int		No
NumberOfColumns	int		No
DefaultTimeResolution	int		No
DefaultGraphViewID	int		YES
LayoutID	int		YES
IsNonTimeRelated	bit		YES
TabBackColor	int		YES
TabsInPage	tinyint		YES

LY_TabsViews Table

Description

The LY_TabsViews table stores the view properties of the customized tabs.

Columns

Name	Type	Size	IS_NULLABLE
TabsViewID	int		No
TabID	int		No
Sort	smallint		No
SizePercent	smallint		No
ViewType	smallint		No
TabularViewID	int		YES

Name	Type	Size	IS_NULLABLE
GraphViewID	int		YES
OrdersViewID	int		YES
EventsViewID	int		YES
PumpViewID	int		YES
DataDriven	tinyint		YES
MicrobiologyID	int		YES
FormBuilderID	uniqueidentifier		YES
OrderListViewID	smallint		YES
ChronologyViewID	int		YES

TabCategories Table

Description

The TabCategories table stores the category names of the customized tabs.

Columns

Name	Type	Size	IS_NULLABLE
TabCategoryID	int		No
Name	nvarchar	60	No

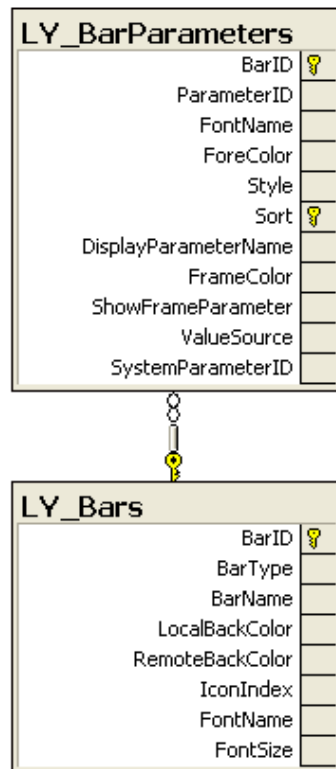
Bars Customization Tables

The Bars Customization set includes the following tables:

- LY_BarParameters
- LY_Bars

The tables listed above are linked according to the following schema:

Figure 31. Schema of the Bars Customization Tables



LY_BarParameters Table

Description

The LY_BarParameters table stores the parameters of the toolbars.

Columns

Name	Type	Size	IS_NULLABLE
BarID	int		No
ParameterID	smallint		YES
FontName	nvarchar	60	YES

Name	Type	Size	IS_NULLABLE
ForeColor	int		YES
Style	tinyint		YES
Sort	int		No
DisplayParameterName	bit		YES
FrameColor	int		No
ShowFrameParameter	bit		No
ValueSource	tinyint		No
SystemParameterID	int		YES

LY_Bars Table

Description

The LY_Bars table stores the view properties of the toolbars.

Columns

Name	Type	Size	IS_NULLABLE
BarID	int		No
BarType	smallint		YES
BarName	nvarchar	100	No
LocalBackColor	int		No
RemoteBackColor	int		No
IconIndex	int		YES
FontName	nvarchar	60	No
FontSize	smallint		No

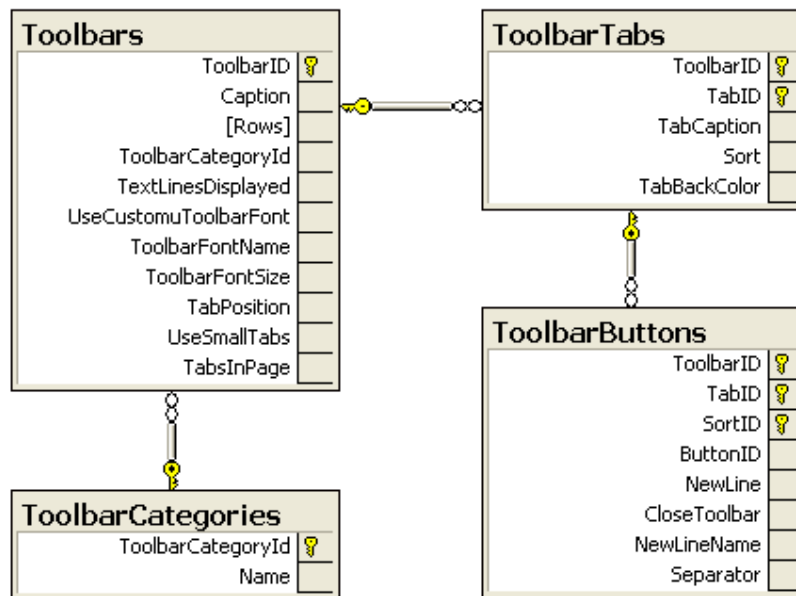
Toolbar Tables

The Toolbar set includes the following tables:

- ToolbarButtons
- ToolbarCategories
- Toolbars
- ToolbarTabs

The tables listed above are linked according to the following schema:

Figure 32. Schema of the Toolbar Tables



ToolBarButtons Table

Description

The ToolBarButtons table stores the parameters of the toolbar buttons.

Columns

Name	Type	Size	IS_NULLABLE
ToolBarID	int		No
TabID	smallint		No
SortID	smallint		No
ButtonID	int		No
NewLine	bit		No
CloseToolBar	bit		No
NewLineName	nvarchar	50	YES
Separator	bit		No

ToolBarCategories Table

Description

The ToolBarCategories table stores the names of the customized toolbar categories.

Columns

Name	Type	Size	IS_NULLABLE
ToolBarCategoryId	int		No
Name	nvarchar	60	YES

Toolbars Table

Description

The Toolbars table stores the customized view and layout properties of the toolbars.

Columns

Name	Type	Size	IS_NULLABLE
ToolbarID	int		No
Caption	nvarchar	150	No
Rows	smallint		No
ToolbarCategoryId	int		No
TextLinesDisplayed	smallint		YES
UseCustomuToolbarFont	bit		No
ToolbarFontName	nvarchar	60	YES
ToolbarFontSize	smallint		YES
TabPosition	tinyint		YES
UseSmallTabs	bit		YES
TabsInPage	tinyint		YES

ToolbarTabs Table

Description

The ToolbarTabs table stores the tab captions (text), background color and sequence order (sort order) for the toolbar tabs.

Columns

Name	Type	Size	IS_NULLABLE
ToolbarID	int		No
TabID	smallint		No
TabCaption	nvarchar	60	YES
Sort	int		No
TabBackColor	int		YES

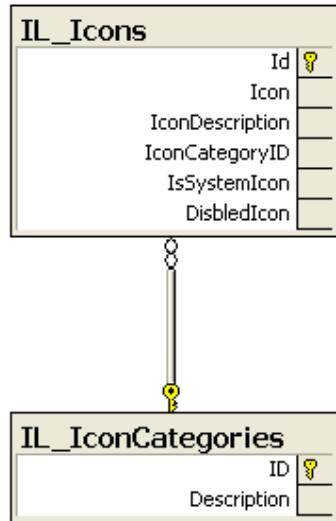
Icons Customization Tables

The Icon Customization set includes the following tables:

- IL_IconCategories
- IL_Icons

The tables listed above are linked according to the following schema:

Figure 33. Schema of the Icons Customization Tables



IL_IconCategories Table

Description

The IL_IconCategories table stores the text description of the defined icons.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Description	nvarchar	200	YES

IL_Icons Table

Description

The IL_Icons table stores the images and descriptions of the defined icons.

Columns

Name	Type	Size	IS_NULLABLE
Id	int		No
Icon	image		No
IconDescription	nvarchar	200	YES
IconCategoryID	int		No
IsSystemIcon	bit		No
DisbledIcon	image		YES

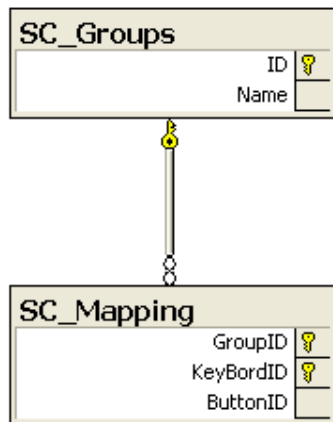
Shortcuts Key Customization Tables

The Shortcuts Key Customization set includes the following tables:

- SC_Groups
- SC_Mapping

The tables listed above are linked according to the following schema:

Figure 34: Schema of the Shortcuts Key Customization Tables



SC_Groups Table

Description

The SC_Groups table stores the name (text) of the customized shortcut keys.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
Name	nvarchar	100	No

SC_Mapping Table

Description

The SC_Mapping table stores the mapping of the defined shortcut key its corresponding button.

Columns

Name	Type	Size	IS_NULLABLE
GroupID	smallint		No
KeyBordID	tinyint		No
ButtonID	int		No

Color Scheme

The Color Scheme set includes only one table:

- Schemes table

Schemes Table

Description

The Schemes table stores color scheme properties of the customized layout views.

Columns

Name	Type	Size	IS_NULLABLE
SchemaID	int		No
SchemaName	nvarchar	60	No
MainScreenTitleBarBackground	int		No
MainScreenStatusBarBackground	int		No
MainScreenBackgroundColor	int		No
MainScreenToolBarBackgroundColor	int		No
MainScreenTabsAndDynamicToolbarBackground	int		No
MainScreenTabsSelected	int		No
MainScreenTabsFont	int		No
MainScreenTabsFontSelected	int		No
MainScreenNavigationButtons	int		No
MainScreenScrollBarsButtons	int		No
MainScreenScrollBarsSshadows	int		No
MainScreenButtonsFont	int		No
MainScreenTooltipBackground	int		No
MainScreenTooltipFont	int		No
MainScreenTimeStripsBackground	int		No
MainScreenTimeSstripFont	int		No
MainScreenCursorTimeSpaceBackground	int		No

Name	Type	Size	IS_NULLABLE
MainScreenCursorTimeSpaceFont	int		No
MainScreenCursorLine	int		No
MainScreenCursorArrowsBackground	int		No
MainScreenBeforeAddmisionColor	int		No
MainScreenAfterDischargeColor	int		No
MainScreenCursorTriangle	int		No
MainScreenBarLocalColor	int		No
MainScreenBarRemoteColor	int		No
MainScreenStatusBarLocalColor	int		No
MainScreenStatusBarRemoteColor	int		No
MenuBackground	int		YES
MenuSelectedLineBackground	int		No
MenuForeColor	int		No
TabularAnesthesiaOddColor	int		No
TabularAnesthesiaEvenColor	int		No
TabularLabelColor	int		No
TabularGridColor	int		No
GraphAnesthesiaColor	int		No
GraphGridlines	int		No
OrderPackAnesthesiaOddColor	int		No
OrderPackAnesthesiaEvenColor	int		No
OrderPackSelectedRow	int		No
OrderPackTextColor	int		No
OrderPackGridColor	int		No
EventsAnesthesiaColor	int		No
EventsGridColor	int		No

Name	Type	Size	IS_NULLABLE
FormBackColor	int		No
FormCaptionColor	int		No
MainScreenBookMarkColor	int		No
GraphDefaultParameterColor	int		No
MainScreenViewNameBackColor	int		No
MainScreenViewNameForeColor	int		No
TabularTimeFrameBackColor	int		No
TabularTimeFrameForeColor	int		No
TabularCommentColor	int		No
TabularWarningColor	int		No
OrderPackCategoryColor	int		No
TabularTimeIndicatorColor	int		No
MainScreenDynamicToolBarFontColor	int		No
ReportFrameTitleColor	int		No
ReportFrameLeftColor	int		No
ReportInternalGridColor	int		No
ReportExternalGridColor	int		No
ReportViewBorderColor	int		No
BarFontColor	int		No
BarFrameColor	int		No
TabularPreAnesthesiaOddColor	int		No
TabularPreAnesthesiaEvenColor	int		No
TabularPostAnesthesiaEvenColor	int		No
TabularPostAnesthesiaOddColor	int		No
GraphPreAnesthesiaColor	int		No
GraphPostAnesthesiaColor	int		No

Name	Type	Size	IS_NULLABLE
OrderPackPreAnesthesiaOddColor	int		No
OrderPackPreAnesthesiaEvenColor	int		No
OrderPackPostAnesthesiaEvenColor	int		No
OrderPackPostAnesthesiaOddColor	int		No
EventsPreAnesthesiaColor	int		No
EventsPostAnesthesiaColor	int		No
MicrobiologyGridColor	int		No
MicrobiologyNoneResultColor	int		No
MicrobiologyPreResultColor	int		No
MicrobiologyFinalResultColor	int		No
MicrobiologyPreAnesthesiaOddColor	int		No
MicrobiologyPreAnesthesiaEvenColor	int		No
MicrobiologyAnesthesiaOddColor	int		No
MicrobiologyAnesthesiaEvenColor	int		No
MicrobiologyPostAnesthesiaEvenColor	int		No
MicrobiologyPostAnesthesiaOddColor	int		No
MicrobiologyWarningColor	int		No
MainScreenPreAdmissionEvenRowColor	int		No
MainScreenPreAdmissionOddRowColor	int		No
MainScreenReleaseEvenRowColor	int		No
MainScreenReleaseOddRowColor	int		No
FormButtonFaceColor	int		No
FormComboBoxBackColor	int		No
FormComboBoxForeColor	int		No
FormFrameBackColor	int		No
FormFrameForeColor	int		No

Name	Type	Size	IS_NULLABLE
FormLabelForeColor	int		No
FormListBoxBackColor	int		No
FormListBoxForeColor	int		No
FormListViewBackColor	int		No
FormListViewForeColor	int		No
FormTextBoxForeColor	int		No
FormTextBoxBackColor	int		No
FormImageComboForeColor	int		No
FormImageComboBackColor	int		No
FormScrollBarBackColor	int		No
FormCommandButtonBackColor	int		No
FormControlsFrameColor	int		No
FormControlBlurBackColor	int		No
MicrobiologyCategoriesColor	int		No
MicrobiologySubCategoriesColor	int		No
FBFrameBackColor	int		No
FBFrameBorderColor	int		No
FBFrameCaptionColor	int		No
FBFrameCaptionFontColor	int		No
FBTabBackColor	int		No
FBActionBackColor	int		No
SchMainScreenTimeGridHeader	int		YES
SchMainScreenTimeGridHeaderText	int		YES
SchMainScreenCursorTimeStrip	int		YES
SchMainScreenCursorTimeStripText	int		YES
SchMainScreenCursorLine	int		YES

Name	Type	Size	IS_NULLABLE
SchMainScreenNavigationButtons	int		YES
SchMainScreenTimeHeaderGridLines	int		YES
SchMainScreenLeftInformationColumn	int		YES
SchMainScreenRoomsOccupationPercentColumn	int		YES
SchMainScreenRightInformationColumn	int		YES
SchMainScreenPastTimeBackColor	int		YES
SchMainScreenCloseTimeBackColor	int		YES
SchMainScreenOpenTimeBackColor	int		YES
SchMainScreenLegendBackColor	int		YES
SchMainScreenFloatingPanelsBackColor	int		YES
SchMainScreenFloatingPanelsCaptionColor	int		YES
SchMainScreenFloatingPanelsButtonsBackColor	int		YES
SchMainScreenFloatingPanelsButtonsForeColor	int		YES
GplOccupiedColor	int		YES
GplNotOccupiedColor	int		YES
GplImpendingDischargeColor	int		YES
GplTransportColor	int		YES

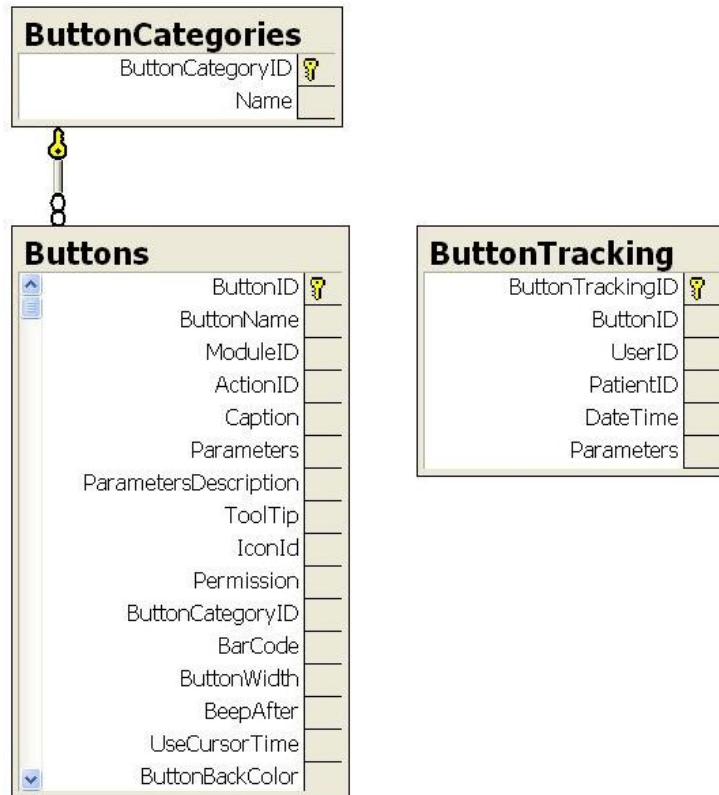
Buttons Tables

The Buttons set includes the following tables:

- Buttons
- ButtonsCategories
- ButtonTracking

The tables listed above are linked according to the following schema:

Figure 35. Schema of the Buttons Tables



Buttons Table

Description

The Buttons table stores the properties of the customized action command buttons.

Columns

Name	Type	Size	IS_NULLABLE
ButtonID	int		No
ButtonName	nvarchar	60	No
ModuleID	smallint		No
ActionID	smallint		No
Caption	nvarchar	60	YES
Parameters	ntext		YES
ParametersDescription	nvarchar	2000	YES
ToolTip	nvarchar	60	YES
IconId	int		YES
Permission	int		No
ButtonCategoryID	int		No
BarCode	nvarchar	100	YES
ButtonWidth	smallint		YES
BeepAfter	bit		YES
UseCursorTime	smallint		YES
ButtonBackColor	int		YES
UseAsPlaceHolder	bit		YES

ButtonsCategories Table

Description

The ButtonsCategories table stores the names (text) of the defined command button categories.

Columns

Name	Type	Size	IS_NULLABLE
ButtonCategoryID	int		No
Name	nvarchar	60	No

ButtonTracking Table

Description

The ButtonTracking table stores information about Button tracking.

Columns

Name	Type	Size	IS_NULLABLE
ButtonTrackingID	int	4	No
ButtonID	int	4	No
UserID	int	4	No
PatientID	int	4	No
DateTime	datetime	8	No
Parameters	nvarchar	6000	YES

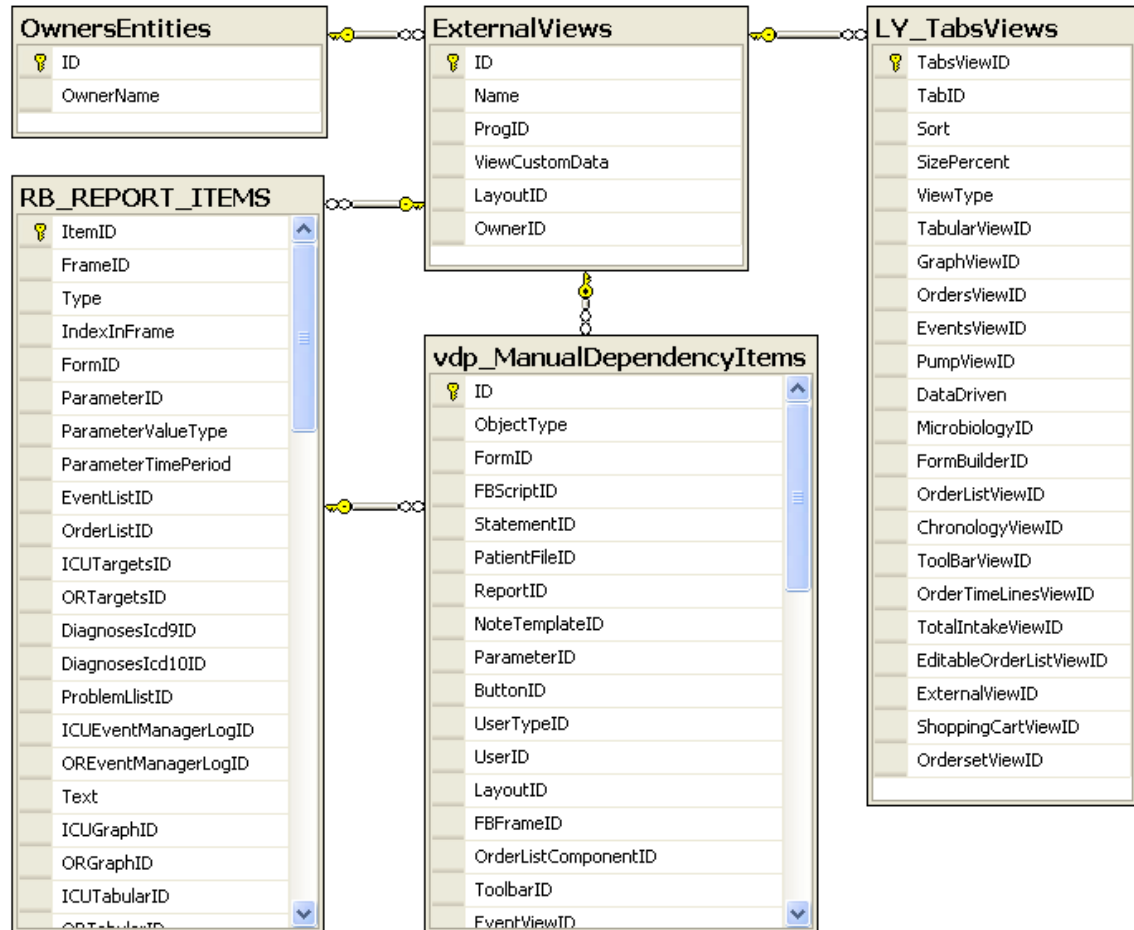
Main Screen Customization Tables

The Main Screen Customization set includes the following table:

- ExternalViews

The table listed above is linked to other tables according to the following schema:

Figure 36. Schema of the ExternalViews Table and the Tables Linked to it



ExternalViews Table

Description

The ExternalViews table stores Main Screen external views information.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
Name	nvarchar	60	NO
ProgID	nvarchar	50	NO
ViewCustomData	ntext		YES
LayoutID	int		YES
OwnerID	smallint		YES

VIEWS

This Module

The Views module is divided into several sets of tables (all of which are Customize data type tables):

- Graph View customization tables
- Tabular View customization tables
- Microbiology View customization tables
- Event Pack View customization tables
- Chronology View customization table

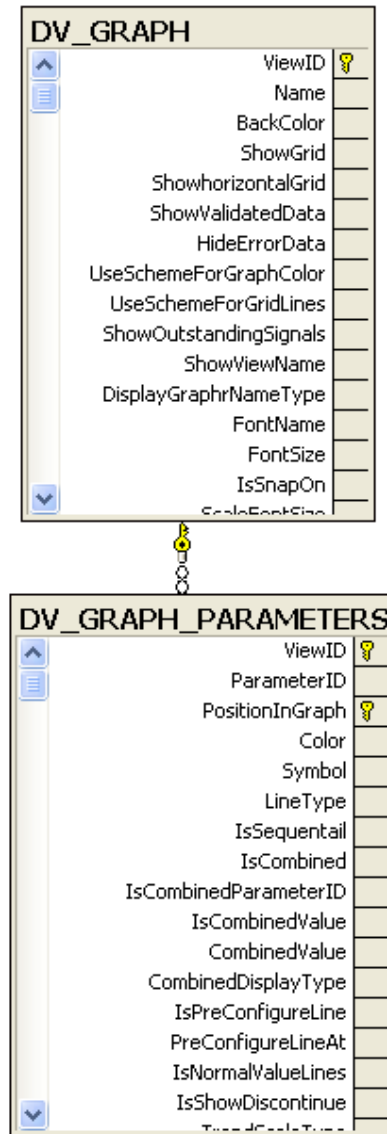
Graph View Customization Tables

The Graph View customization set includes the following tables:

- DV_GRAPH
- DV_GRAPH_PARAMETERS

The tables listed above are linked according to the following schema:

Figure 37. Schema of the Graph View Customization Tables



DV_GRAPH Table

Description

The DV_GRAPH table stores the view properties of the Graph view.

Columns

Name	Type	Size	IS_NULLABLE
ViewID	int		No
Name	nvarchar	60	No
BackColor	int		No
ShowGrid	bit		No
ShowhorizontalGrid	bit		No
ShowValidatedData	bit		YES
HideErrorData	bit		YES
UseSchemeForGraphColor	bit		YES
UseSchemeForGridLines	bit		YES
ShowOutstandingSignals	bit		YES
ShowViewName	bit		YES
DisplayGraphrNameType	smallint		YES
FontName	nvarchar	120	YES
FontSize	smallint		YES
IsSnapOn	bit		YES
ScaleFontSize	smallint		YES
LayoutID	int		YES
PreAnesthesiaColor	int		No
PostAnesthesiaColor	int		No
UseSchemeForPreColor	bit		YES
UseSchemeForPostColor	bit		YES

DV_GRAPH_PARAMETERS Table

Description

The DV_GRAPH_PARAMETERS table stores the parameters of the Graph view.

Columns

Name	Type	Size	IS_NULLABLE
ViewID	int		No
ParameterID	smallint		No
PositionInGraph	smallint		No
Color	int		No
Symbol	smallint		No
LineType	smallint		No
IsSequentail	bit		No
IsCombined	bit		No
IsCombinedParameterID	bit		YES
IsCombinedValue	bit		YES
CombinedValue	float		YES
CombinedDisplayType	smallint		YES
IsPreConfigureLine	bit		YES
PreConfigureLineAt	float		YES
IsNormalValueLines	bit		No
IsShowDiscontinue	bit		No
TrendScaleType	smallint		No
TrendScaleFrom	float		YES
TrendScaleTo	float		YES
TrendScaleByParamID	smallint		YES
CombinedParameterID	smallint		YES
CombinedColor	int		YES

Name	Type	Size	IS_NULLABLE
SequentailMode	smallint		YES
SequentailHideErrorData	bit		YES
IsUseSmallSymbols	bit		YES
UseScheme	bit		No
CombinedColorUseScheme	bit		No
IsInterval	bit		No
IsValidatedInterval	bit		No
IsShowFixNoValues	bit		YES
FixNoValues	int		YES

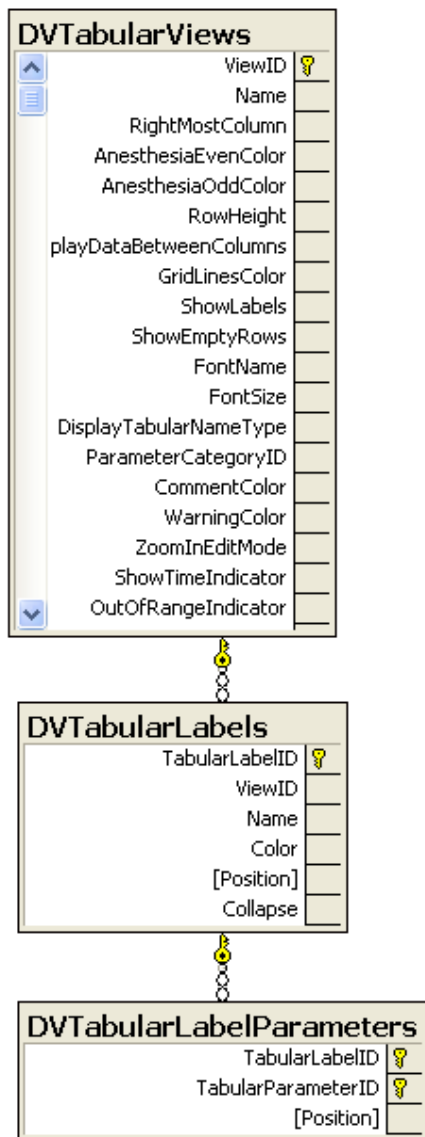
Tabular View Customization Tables

The Tabular View customization set includes the following tables:

- DVTabularLabelParameters
- DVTabularLabels
- DVTabularViews

The tables listed above are linked according to the following schema:

Figure 38. Schema of the Tabular View Customization Tables



DVTabularLabelParameters Table

Description

The DVTabularLabelParameters table stores the parameters of the Tabular view labels.

Columns

Name	Type	Size	IS_NULLABLE
TabularLabelID	int		No
TabularParameterID	smallint		No
Position	int		YES

DVTabularLabels Table

Description

The DVTabularLabels table stores the view properties and text of the Tabular view labels.

Columns

Name	Type	Size	IS_NULLABLE
TabularLabelID	int		No
ViewID	int		No
Name	nvarchar	60	No
Color	int		No
Position	int		No
Collapse	bit		No

DVTabularViews Table

Description

The DVTabularLabels table stores the view properties of the Tabular view.

Columns

Name	Type	Size	IS_NULLABLE
ViewID	int		No
Name	nvarchar	60	No
RightMostColumn	tinyint		No
AnesthesiaEvenColor	int		No
AnesthesiaOddColor	int		No
RowHeight	smallint		YES
DisplayDataBetweenColumns	bit		No
GridLinesColor	int		No
ShowLabels	bit		No
ShowEmptyRows	bit		No
FontName	nvarchar	120	YES
FontSize	smallint		YES
DisplayTabularNameType	tinyint		No
ParameterCategoryID	smallint		YES
CommentColor	int		No
WarningColor	int		No
ZoomInEditMode	bit		No
ShowTimeIndicator	bit		No
OutOfRangeIndicator	bit		No
LayoutID	int		YES
PreAnesthesiaEvenColor	int		No
PreAnesthesiaOddColor	int		No
PostAnesthesiaEvenColor	int		No
PostAnesthesiaOddColor	int		No

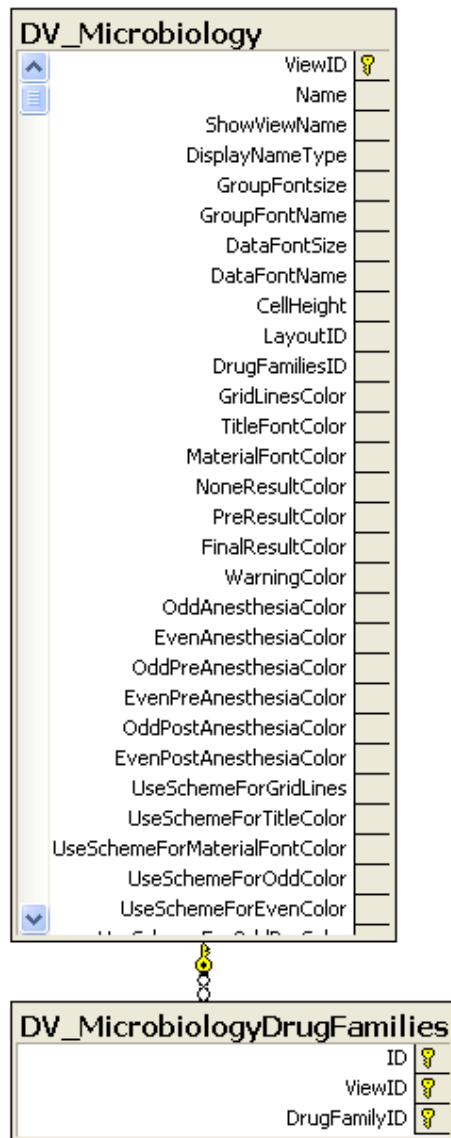
Microbiology View Customization Tables

The Microbiology View customization set includes the following tables:

- DV_Microbiology
- DV_MicrobiologyDrugFamilies

The tables listed above are linked according to the following schema:

Figure 39. Schema of the Microbiology View Customization Tables



DV_Microbiology Table

Description

The DV_Microbiology table stores the view properties of the Microbiology Labs view.

Columns

Name	Type	Size	IS_NULLABLE
ViewID	int		No
Name	nvarchar	60	No
ShowViewName	bit		YES
DisplayNameType	smallint		YES
GroupFontSize	real		YES
GroupFontName	nvarchar	120	YES
DataFontSize	real		YES
DataFontName	nvarchar	120	YES
CellHeight	smallint		No
LayoutID	int		YES
DrugFamiliesID	int		YES
GridLinesColor	int		No
TitleFontColor	int		No
MaterialFontColor	int		No
NoneResultColor	int		No
PreResultColor	int		No
FinalResultColor	int		No
WarningColor	int		No
OddAnesthesiaColor	int		No
EvenAnesthesiaColor	int		No
OddPreAnesthesiaColor	int		No
EvenPreAnesthesiaColor	int		No

Name	Type	Size	IS_NULLABLE
OddPostAnesthesiaColor	int		No
EvenPostAnesthesiaColor	int		No
UseSchemeForGridLines	bit		No
UseSchemeForTitleColor	bit		No
UseSchemeForMaterialFontColor	bit		No
UseSchemeForOddColor	bit		No
UseSchemeForEvenColor	bit		No
UseSchemeForOddPreColor	bit		No
UseSchemeForEvenPreColor	bit		No
UseSchemeForOddPostColor	bit		No
UseSchemeForEvenPostColor	bit		No
UseSchemeForPreResultColor	bit		No
UseSchemeForFinalResultColor	bit		No
UseSchemeForNoneResultColor	bit		No
UseSchemeForWarningColor	bit		No

DV_MicrobiologyDrugFamilies Table

Description

The DV_MicrobiologyDrugFamilies table stores an index of drug families customized into the microbiology labs view.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
ViewID	int		No
DrugFamilyID	smallint		No

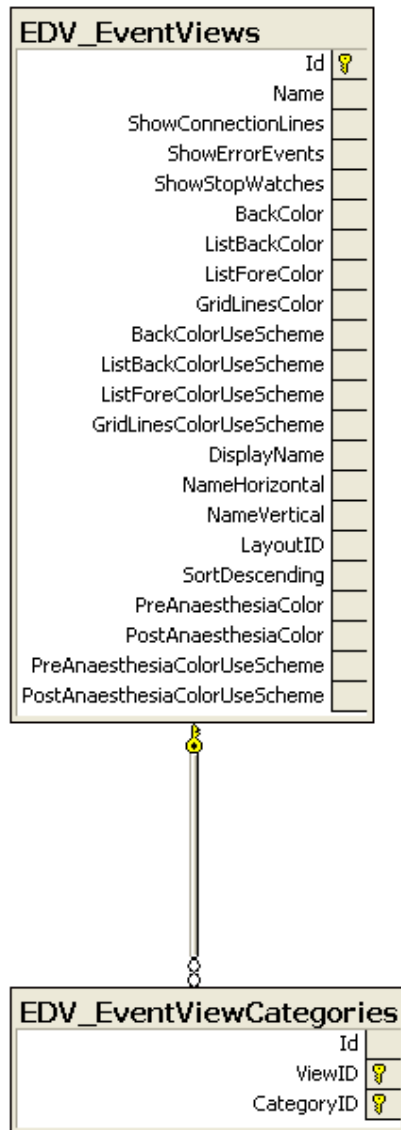
Event Pack View Customization Tables

The Event Pack View customization set includes the following tables:

- EDV_EventViewCategories
- EDV_EventViews

The tables listed above are linked according to the following schema:

Figure 40. Schema of the Event Pack View Customization Tables



EDV_EventViewCategories Table

Description

The EDV_EventViewCategories table assigns predefined (customized) event views to event view categories.

Columns

Name	Type	Size	IS_NULLABLE
Id	int		No
ViewID	int		No
CategoryID	smallint		No

EDV_EventViews Table

Description

The EDV_EventViews table stores the view properties of the Event view.

Columns

Name	Type	Size	IS_NULLABLE
Id	int		No
Name	nvarchar	100	No
ShowConnectionLines	bit		No
ShowErrorEvents	bit		No
ShowStopWatches	bit		No
BackColor	int		YES
ListBackColor	int		YES
ListForeColor	int		YES
GridLinesColor	int		YES
BackColorUseScheme	bit		YES
ListBackColorUseScheme	bit		YES
ListForeColorUseScheme	bit		YES
GridLinesColorUseScheme	bit		YES

Name	Type	Size	IS_NULLABLE
DisplayName	bit		YES
NameHorizontal	bit		YES
NameVertical	bit		YES
LayoutID	int		YES
SortDescending	bit		YES
PreAnaesthesiaColor	int		YES
PostAnaesthesiaColor	int		YES
PreAnaesthesiaColorUseScheme	bit		YES
PostAnaesthesiaColorUseScheme	bit		YES

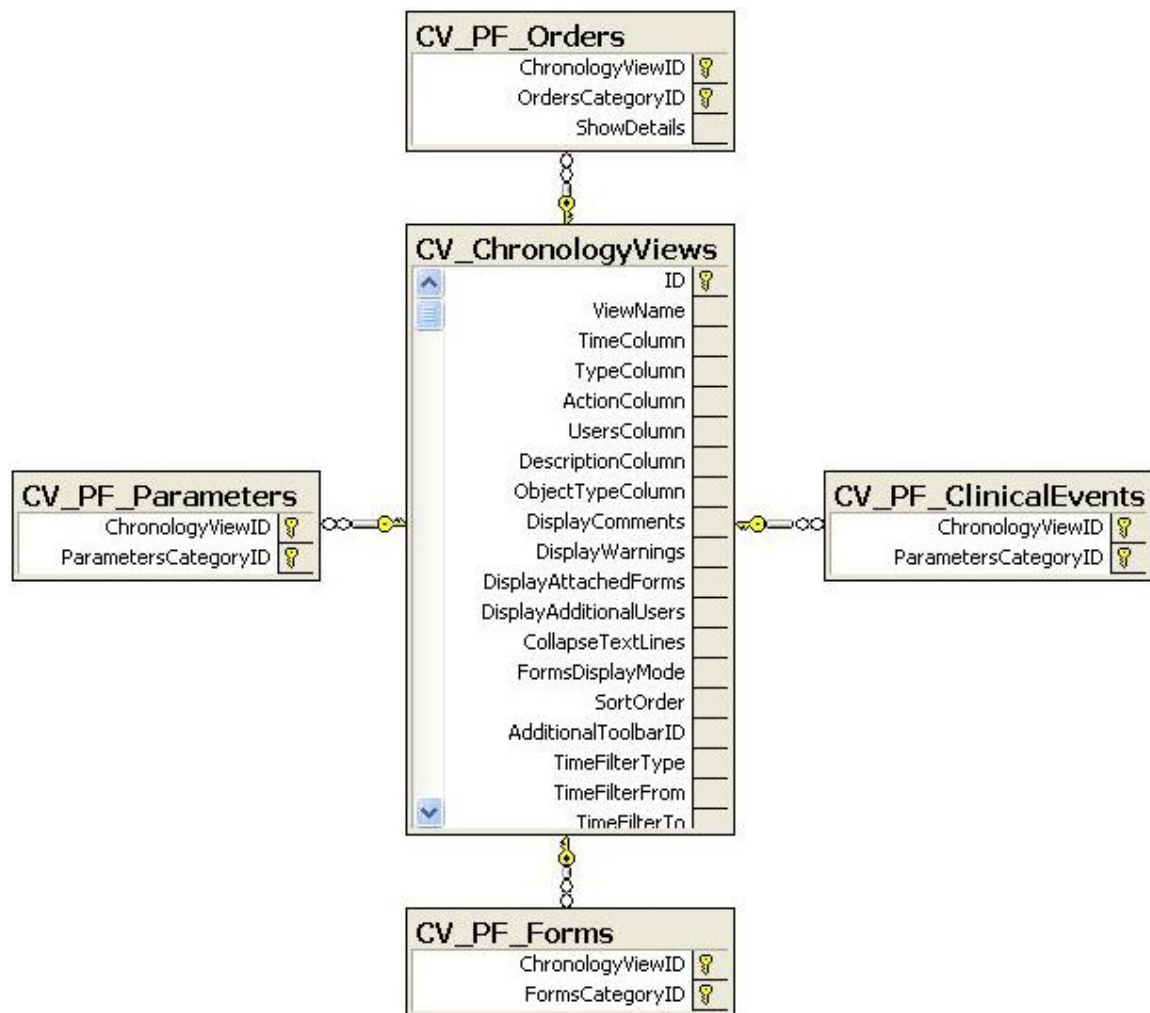
Chronology View Customization Tables

The Chronology View customization set includes the following tables:

- CV_ChronologyViews
- CV_PF_ClinicalEvents
- CV_PF_Forms
- CV_PF_Orders
- CV_PF_Parameters

The tables listed above are linked according to the following schema:

Figure 41. Schema of the Chronology View Customization Tables



CV_ChronologyViews Table

Description

The CV_ChronologyViews table stores the customized properties of the Chronology view.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
ViewName	nvarchar	100	YES
TimeColumn	smallint		YES
TypeColumn	smallint		YES
ActionColumn	smallint		YES
UsersColumn	smallint		YES
DescriptionColumn	smallint		YES
ObjectTypeColumn	smallint		YES
DisplayComments	smallint		YES
DisplayWarnings	smallint		YES
DisplayAttachedForms	smallint		YES
DisplayAdditionalUsers	bit		YES
CollapseTextLines	smallint		YES
FormsDisplayMode	smallint		YES
SortOrder	smallint		YES
AdditionalToolbarID	int		YES
TimeFilterType	smallint		YES
TimeFilterFrom	datetime		YES
TimeFilterTo	datetime		YES
UsersFilter	int		YES
ObjectTypes	nvarchar	200	YES
ShowPatientStatusChanges	bit		YES

Name	Type	Size	IS_NULLABLE
TimeFilterStatusTo	int		YES
TimeFilterStatusFrom	int		YES
TimeFilterShortcut	int		YES
PFFormsDisplayFormsContents	bit		YES
PFFormsDisplaySignedSessionsOnly	bit		YES
PFFormsAll	bit		YES
PFClinicalEventsAll	bit		YES
PFOrdersOrderAction	int		YES
PFOrdersAll	bit		YES
PFPreAdminMedsUseFilter	bit		YES
PFAllergiesUseFilter	bit		YES
PFEventNotificationUseFilter	bit		YES
PFEventNotificationDifference	int		YES
PFNotesUseFilter	bit		YES
PFBedChangesUseFilter	bit		YES
PFTransportUseFilter	bit		YES
PFPParametersValidatedOnly	bit		YES

CV_PF_ClinicalEvents

Description

The CV_PF_ClinicalEvents table stores the Clinical Events parameters mappings of the Chronology views.

Columns

Name	Type	Size	IS_NULLABLE
ChronologyViewID	int	4	No
ParametersCategoryID	smallint	2	No

CV_PF_Forms

Description

The CV_PF_Forms table stores the Forms Categories mappings of the Chronology views.

Columns

Name	Type	Size	IS_NULLABLE
ChronologyViewID	int	4	No
FormsCategoryID	smallint	2	No

CV_PF_Orders

Description

The CV_PF_Orders table stores the Orders Categories mappings of the Chronology views.

Columns

Name	Type	Size	IS_NULLABLE
ChronologyViewID	int	4	No
OrdersCategoryID	smallint	2	No
ShowDetails	bit	1	YES

CV_PF_Parameters

Description

The CV_PF_Parameters table stores the Parameters Categories mappings of the Chronology views.

Columns

Name	Type	Size	IS_NULLABLE
ChronologyViewID	int	4	No
ParametersCategoryID	smallint	2	No

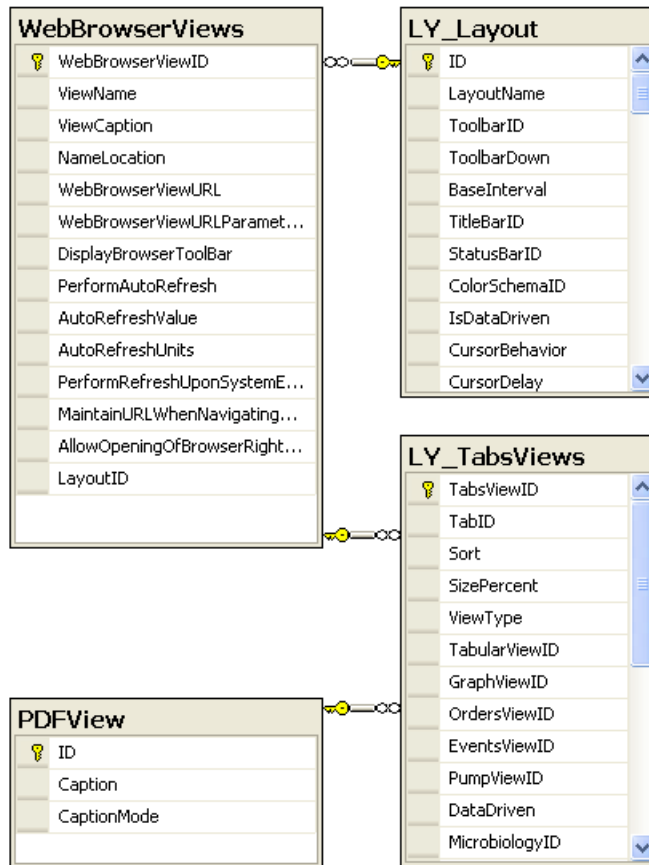
Layout View Customization Tables

The Layout View customization set includes the following tables:

- PDFView
- WebBrowserViews

The tables listed above are linked according to the following schema:

Figure 42. Schema of the Layout View Customization Tables



PDFView Table

Description

The PDFView table stores data about the PDF view appearance.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Caption	nvarchar	100	Yes

Name	Type	Size	IS_NULLABLE
CaptionMode	tinyint		Yes

WebBrowserViews Table

Description

The WebBrowserViews table stores data regarding web browser views customization.

Columns

Name	Type	Size	IS_NULLABLE
WebBrowserViewID	smallint		No
ViewName	nvarchar	100	No
ViewCaption	nvarchar	100	No
NameLocation	tinyint		No
WebBrowserViewURL	ntext	16	No
WebBrowserViewURLParameters	ntext	16	No
DisplayBrowserToolBar	bit		No
PerformAutoRefresh	bit		No
AutoRefreshValue	smallint		No
AutoRefreshUnits	tinyint		No
PerformRefreshUponSystemEvents	bit		No
MaintainURLWhenNavigatingBetweenTabs	bit		No
AllowOpeningOfBrowserRightClickMenu	bit		No
LayoutID	int		Yes

OCCUPANCY BOARDS

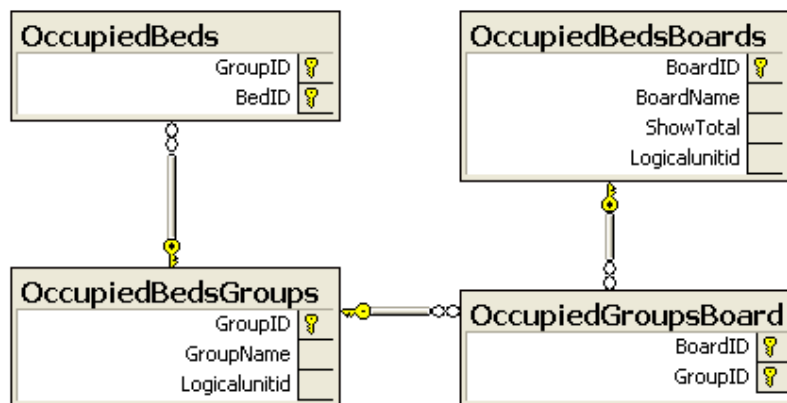
This Module

The Occupancy Boards module consists of one set of tables (all of which are Customize data type tables):

- OccupiedBeds
- OccupiedBedsBoards
- OccupiedBedsGroups
- OccupiedGroupsBoard

The tables listed above are linked according to the following schema:

Figure 42. Schema of the Occupancy Boards Tables



Occupancy Boards Customize Data Tables

OccupiedBeds Table

Description

The OccupiedBeds table stores the bed number of the occupied beds and assigns them into groups.

Columns

Name	Type	Size	IS_NULLABLE
GroupID	int		No
BedID	smallint		No

OccupiedBedsBoards Table

Description

The OccupiedBedsBoards table stores the board name, along with the beds assigned to that board (the board being a logical unit within the department).

Columns

Name	Type	Size	IS_NULLABLE
BoardID	int		No
BoardName	nvarchar	50	No
ShowTotal	bit		No
Logicalunitid	int		No

OccupiedBedsGroups Table

Description

The OccupiedBedsGroups table stores the names of groups, along with the occupied beds assigned to the group (the group being a logical unit within a board).

Columns

Name	Type	Size	IS_NULLABLE
GroupID	int		No
GroupName	nvarchar	50	No
Logicalunitid	int		No

OccupiedGroupsBoard Table

Description

The OccupiedGroupsBoard table assigns the groups of beds into the boards (a group is a logical unit within a board).

Columns

Name	Type	Size	IS_NULLABLE
BoardID	int		No
GroupID	int		No

DATA TRANSFER

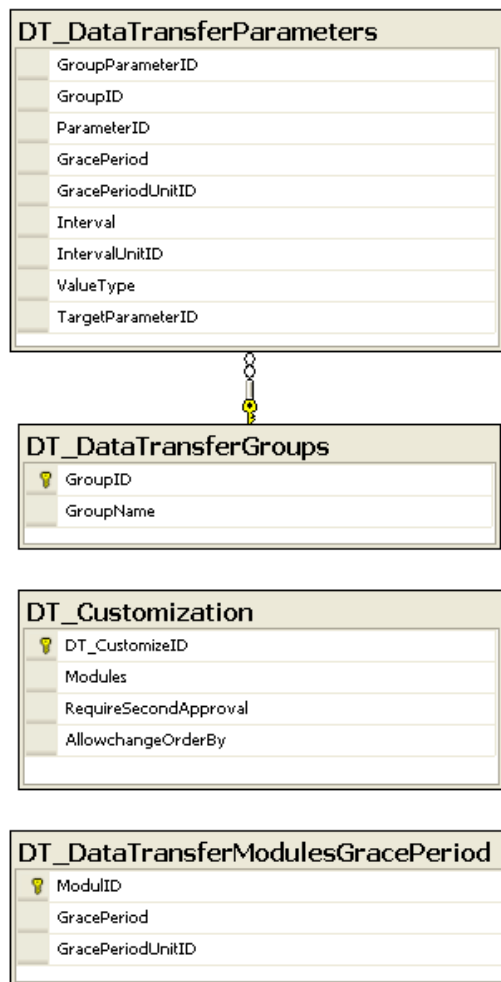
This Module

The Data Transfer module consists of one set of tables (all of which are Customize data type tables):

- DT_Customization
- DT_DataTransferGroups
- DT_DataTransferParameters
- DT_DataTransferModulesGracePeriod

The tables listed above are linked according to the following schema:

Figure 43. Schema of the Data Transfer Tables



Data Transfer Customize Data Tables

DT_Customization Table

Description

The DT_Customization table stores the customization properties for data transfer between departments.

Columns

Name	Type	Size	IS_NULLABLE
DT_CustomizeID	smallint		No
Modules	int		No
RequireSecondApproval	bit		No
AllowchangeOrderBy	bit		No

DT_DataTransferGroups Table

Description

The DT_DataTransferGroups table stores the group names for data transfer.

Columns

Name	Type	Size	IS_NULLABLE
GroupID	int		No
GroupName	nvarchar	50	YES

DT_DataTransferParameters Table

Description

The DT_DataTransferParameters table stores the customization parameters for data transfer between departments.

Columns

Name	Type	Size	IS_NULLABLE
GroupParameterID	int		No
GroupID	int		No
ParameterID	smallint		No
GracePeriod	int		No
GracePeriodUnitID	int		No
Interval	int		No
IntervalUnitID	int		No
ValueType	int		No
TargetParameterID	smallint		No

DT_DataTransferModulesGracePeriod Table

Description

The DT_DataTransferModulesGracePeriod table stores the stores the Grace period times for import data modules.

Columns

Name	Type	Size	IS_NULLABLE
ModulID	int		NO
GracePeriod	int		NO
GracePeriodUnitID	int		NO

WAVES

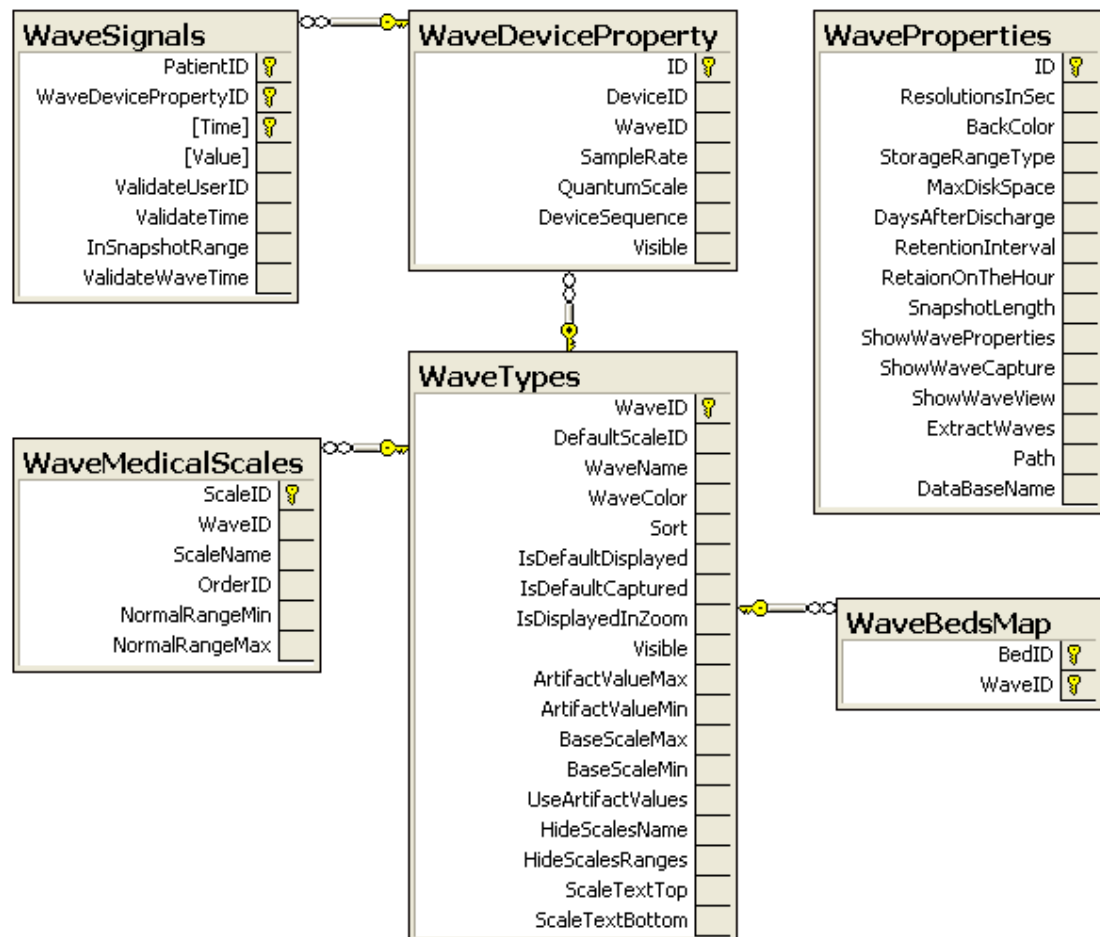
This Module

The Waves module is divided into two sets of tables:

- Customize data tables
- Patient data tables

The tables of the Waves module (listed below according to set) are linked according to the following schema:

Figure 44. Schema of the Waves Data Tables



Waves Customize Data Tables

The Waves Customize Data set includes the following tables:

- WaveBedsMap
- WaveDeviceProperty
- WaveMedicalScales
- WaveProperties
- WaveTypes

WaveBedsMap Table

Description

The WaveBedsMap table indicates which wave types should be sampled for each bed..

Columns

Name	Type	Size	IS_NULLABLE
BedID	smallint		No
WaveID	smallint		No

WaveDeviceProperty Table

Description

The WaveDeviceProperty table stores the properties of the medical device that's generating the signals.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
DeviceID	int		No
WaveID	smallint		No
SampleRate	smallint		No
QuantumScale	real		No
DeviceSequence	nvarchar	20	No
Visible	bit		No

WaveMedicalScales Table

Description

The WaveMedicalScales table stores the scales, range (min-max), sample rate and other parameters of the wave signals generated by the medical devices.

Columns

Name	Type	Size	IS_NULLABLE
ScaleID	int		No
WaveID	smallint		YES
ScaleName	nvarchar	50	No
OrderID	int		No
NormalRangeMin	real		No
NormalRangeMax	real		No

WaveProperties Table

Description

The WaveProperties table is a one record table storing the wave properties.

Columns

Name	Type	Size	IS_NULLABLE
ID	tinyint		No
ResolutionsInSec	smallint		No
BackColor	int		No
StorageRangeType	bit		No
MaxDiskSpace	smallint		No
DaysAfterDischarge	smallint		No
RetentionInterval	smallint		No
RetainOnTheHour	smallint		No
SnapshotLength	smallint		No
ShowWaveProperties	bit		YES
ShowWaveCapture	bit		YES
ShowWaveView	bit		YES
ExtractWaves	bit		YES
Path	nvarchar	200	YES
DataBaseName	nvarchar	100	YES

WaveTypes Table

Description

The WaveTypes table stores the available wave types.

Columns

Name	Type	Size	IS_NULLABLE
WaveID	smallint		No
DefaultScaleID	int		YES
WaveName	nvarchar	15	No
WaveColor	int		No
Sort	smallint		No
IsDefaultDisplayed	bit		No
IsDefaultCaptured	bit		YES
IsDisplayedInZoom	bit		YES
Visible	bit		YES
ArtifactValueMax	int		YES
ArtifactValueMin	int		YES
BaseScaleMax	int		YES
BaseScaleMin	int		YES
UseArtifactValues	bit		YES
HideScalesName	bit		YES
HideScalesRanges	bit		YES
ScaleTextTop	nvarchar	50	YES
ScaleTextBottom	nvarchar	50	YES

Waves Patient Data Tables

The Wave patient customization data set includes only one table:

- WaveSignals table

WaveSignals Table

Description

The WaveSignals table contains the wave signals of the patients.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
WaveDevicePropertyID	int		No
Time	smalldatetime		No
Value	image		No
ValidateUserID	int		YES
ValidateTime	smalldatetime		YES
InSnapshotRange	bit		No
ValidateWaveTime	datetime		YES

DAYLIGHT SAVING TIME

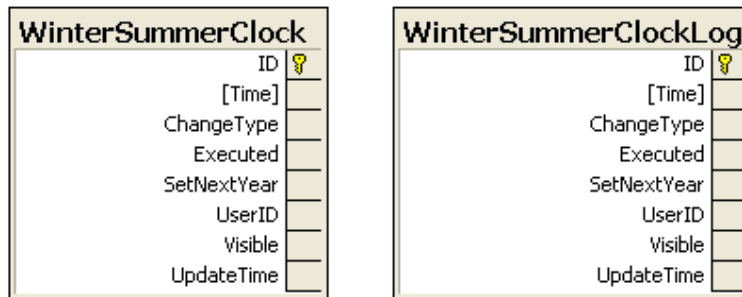
This Module

The Daylight Saving Time module consists of only two tables (both of which are Customize data type tables):

- WinterSummerClock
- WinterSummerClockLog

The tables listed above are linked according to the following schema:

Figure 45. Schema of the Daylight Saving Time Tables



Daylight Saving Time Customize Data Tables

WinterSummerClock Table

Description

The WinterSummerClock table stores the currently defined time-tracking parameters for enabling automatic clock updates according to the defined rules for implementing Daylight Saving Time.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Time	datetime		No
ChangeType	smallint		No
Executed	bit		YES
SetNextYear	bit		No

Name	Type	Size	IS_NULLABLE
UserID	int		YES
Visible	bit		YES
UpdateTime	datetime		YES

WinterSummerClockLog Table

Description

The WinterSummerClockLog table stores log records of previous clock updates that occurred due to the execution of predefined rules for Daylight Saving Time.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Time	datetime		No
ChangeType	smallint		No
Executed	bit		YES
SetNextYear	bit		No
UserID	int		YES
Visible	bit		YES
UpdateTime	datetime		YES

GPL

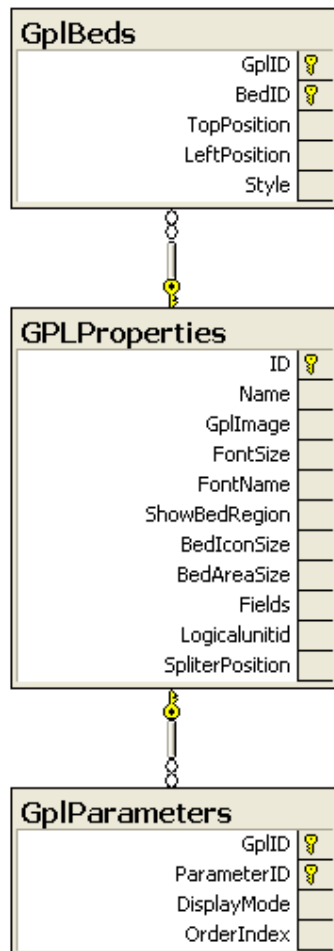
This Module

The GPL module consists of three tables (all of which are Customize Data type tables):

- GplBeds
- GplParameters
- GPLProperties

The tables listed above are linked according to the following schema:

Figure 46. Schema of the GPL Tables



GPL Customize Data Tables

GplBeds Table

Description

The GplBeds table stores the customized position/location of the beds in the GPL (Graphic Patient List) window.

Columns

Name	Type	Size	IS_NULLABLE
GplID	int		No
BedID	smallint		No
TopPosition	smallint		No
LeftPosition	smallint		No
Style	tinyint		No

GplParameters Table

Description

The GplParameters table stores the display mode parameters of the GPL (Graphic Patient List) window.

Columns

Name	Type	Size	IS_NULLABLE
GplID	int		No
ParameterID	smallint		No
DisplayMode	tinyint		No
OrderIndex	tinyint		No

GPLProperties Table

Description

The GPLProperties table stores the customized display properties of the components (beds, icons, fonts, etc.) of the GPL (Graphic Patient List) window.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Name	nvarchar	60	No
GplImage	image		YES
FontSize	tinyint		YES
FontName	nvarchar	50	YES
ShowBedRegion	bit		No
BedIconSize	tinyint		No
BedAreaSize	tinyint		No
Fields	nvarchar	20	YES
Logicalunitid	int		No
SplitterPosition	int		YES

MEMO

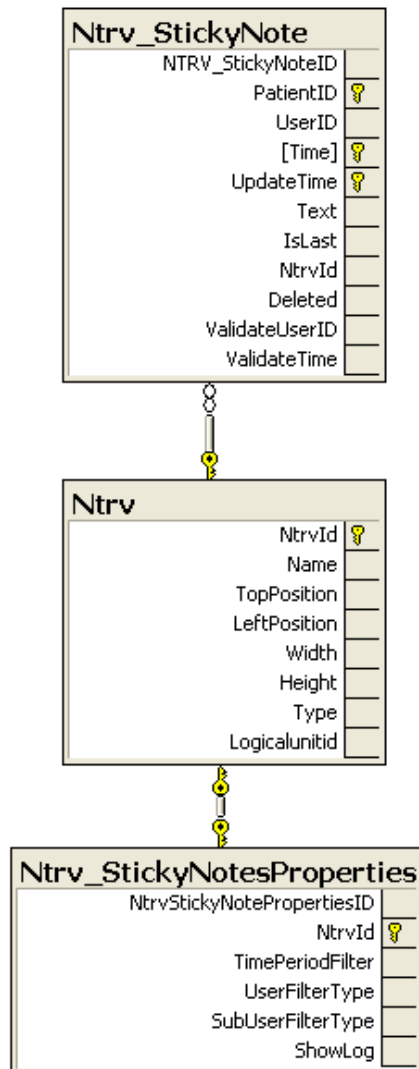
This Module

The Memo module consists of three tables (all of which are Customize Data type tables):

- Ntrv
- Ntrv_StickyNote
- Ntrv_StickyNotesProperties

The tables listed above are linked according to the following schema:

Figure 47. Schema of the Memo Tables



Memo Customize Data Tables

Ntrv Table

Description

The Ntrv table stores the customized display properties (position, dimentions, etc.) of the Memo window.

Columns

Name	Type	Size	IS_NULLABLE
NtrvId	int		No
Name	nvarchar	100	No
TopPosition	smallint		No
LeftPosition	smallint		No
Width	smallint		No
Height	smallint		No
Type	tinyint		No
Logicalunitid	int		No

Ntrv_StickyNote Table

Description

The Ntrv_StickyNote table stores the customized properties of the Sticky Notes.

Columns

Name	Type	Size	IS_NULLABLE
NTRV_StickyNoteID	int		No
PatientID	int		No
UserID	int		No
Time	datetime		No
UpdateTime	datetime		No
Text	nvarchar	2000	No

Name	Type	Size	IS_NULLABLE
IsLast	bit		No
NtrvId	int		YES
Deleted	bit		No
ValidateUserID	int		YES
ValidateTime	datetime		YES

Ntrv_StickyNotesProperties Table

Description

The Ntrv_StickyNotesProperties table stores the filter properties of the Sticky Notes.

Columns

Name	Type	Size	IS_NULLABLE
NtrvStickyNotePropertiesID	int		No
NtrvId	int		No
TimePeriodFilter	tinyint		No
UserFilterType	tinyint		No
SubUserFilterType	tinyint		YES
ShowLog	bit		No

USERS

This Module

The Users module is divided into two sets of tables:

- Customize data tables
- Patient data tables

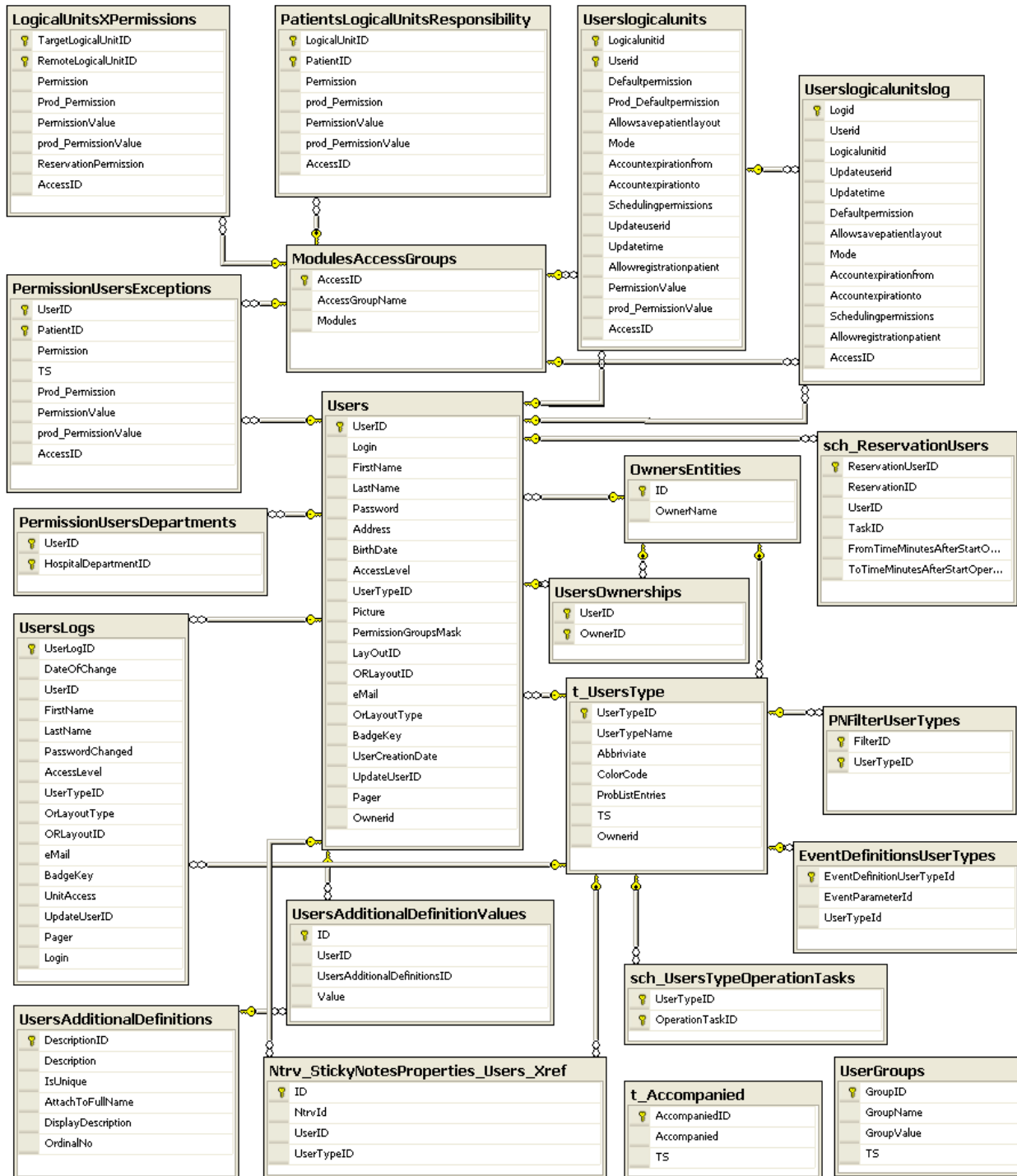
Users Customize Data Tables

The Users Customize Data set includes the following tables:

- EventDefinitionsUserTypes
- Ntrv_StickyNotesProperties_Users_Xref
- PermissionUsersDepartments
- PNFilterUserTypes
- sch_ReservationUsers
- sch_UsersTypeOperationTasks
- t_UsersType
- UserGroups
- Users
- UsersAdditionalDefinitions
- UsersAdditionalDefinitionValues
- UsersLogicalUnits
- UsersLogicalUnitsLog
- UsersLogs
- UsersOwnerships
- ModulesAccessGroups

The tables listed above are linked according to the following schema:

Figure 48. Schema of the Users Customize Data Tables



EventDefinitionsUserTypes Table

Description

The EventDefinitionsUserTypes table stores the event definitions according to user types.

Columns

Name	Type	Size	IS_NULLABLE
EventDefinitionUserTypeId	int		No
EventParameterId	smallint		No
UserTypeId	smallint		No

Ntrv_StickyNotesProperties_Users_Xref Table

Description

The Ntrv_StickyNotesProperties_Users_Xref table links between the Users table and the Ntrv_StickyNotesProperties table.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
NtrvId	int		No
UserID	int		YES
UserTypeID	smallint		YES

PermissionUsersDepartments Table

Description

The PermissionUsersDepartments table stores the permission levels (for the User Access Permissions window) of MetaVision users for each department that they are authorized to access MetaVision from.

Columns

Name	Type	Size	IS_NULLABLE
UserID	int		No
HospitalDepartmentID	int		No
UserID	int		No

PNFilterUserTypes Table

Description

The PNFilterUserTypes table stores the user type filters.

Columns

Name	Type	Size	IS_NULLABLE
FilterID	int		No
UserTypeID	smallint		No

sch_ReservationUsers Table

Description

The sch_ReservationUsers table stores the reservations scheduled of users (surgeons, anesthesiologists, nurses).

Columns

Name	Type	Size	IS_NULLABLE
ReservationUserID	int		No
ReservationID	int		No
UserID	int		No
TaskID	int		YES
FromTimeMinutesAfterStartOperation	int		YES
ToTimeMinutesAfterStartOperation	int		YES

sch_UsersTypeOperationTasks Table

Description

The sch_UsersTypeOperationTasks table stores scheduled reservations for user type (surgeons, anesthesiologists, nurses), by operation tasks.

Columns

Name	Type	Size	IS_NULLABLE
UserTypeID	smallint		No
OperationTaskID	int		No

t_UsersType Table

Description

The t_UsersType table stores the possible types of users.

Columns

Name	Type	Size	IS_NULLABLE
UserTypeID	smallint		No
UserTypeName	nvarchar	30	No
Abbrviate	nvarchar	5	YES
ColorCode	int		YES
ProbListEntries	bit		No
TS	timestamp	8	YES

UserGroups Table

Description

The UserGroups table stores the names and values of logical groups of users (e.g. Nurses, etc.).

Columns

Name	Type	Size	IS_NULLABLE
GroupID	smallint		No
GroupName	nvarchar	50	No
GroupValue	int		No
TS	timestamp	8	YES

Users Table

Description

The Users table stores a information about all the registered (authorized) users in the department.

Columns

Name	Type	Size	IS_NULLABLE
UserID	int		No

Name	Type	Size	IS_NULLABLE
Login	nvarchar	255	No
FirstName	nvarchar	100	YES
LastName	nvarchar	100	YES
Password	nvarchar	50	YES
Address	nvarchar	50	YES
BirthDate	datetime		YES
AccessLevel	nvarchar	10	YES
UserTypeID	smallint		No
Picture	nvarchar	255	YES
PermissionGroupsMask	int		No
LayOutID	smallint		YES
ORLayoutID	int		YES
eMail	nvarchar	255	YES
OrLayoutType	smallint		No
BadgeKey	nvarchar	50	YES
UserCreationDate	datetime		YES
UpdateUserID	int		YES
Pager	nvarchar	50	YES

UsersAdditionalDefinitions Table

Description

The UsersAdditionalDefinitions table stores optional brief text comments about users.

Columns

Name	Type	Size	IS_NULLABLE
DescriptionID	int		No
Description	nvarchar	200	No
IsUnique	bit		No

UsersAdditionalDefinitionValues Table

Description

The UsersAdditionalDefinitionValues table stores additional optional brief text descriptions (comments) about users.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
UserID	int		No
UsersAdditionalDefinitionsID	int		No
Value	nvarchar	200	No

UsersLogicalUnits Table

Description

The UsersLogicalUnits table stores permissions per user per logical unit (a logical unit could be an individual department in a hospital where more than one department is running MetaVision).

Columns

Name	Type	Size	IS_NULLABLE
Logicalunitid	int		No
Userid	int		No
Defaultpermission	nvarchar	50	YES
Prod_Defaultpermission	nvarchar	50	YES
Allowsavepatientlayout	nvarchar	50	No
Mode	tinyint		No
Accountexpirationfrom	datetime		YES
Accountexpirationto	datetime		YES
Schedulingpermissions	nvarchar	50	YES
Updateuserid	int		YES
Updatetime	datetime		YES
Allowregistrationpatient	nvarchar	50	No
PermissionValue	smallint		YES
prod_PermissionValue	smallint		YES

UsersLogicalUnitsLog Table

Description

The UsersLogicalUnitsLog table stores log records of the updates made to the information stored in the UserLogicalUnits table.

Columns

Name	Type	Size	IS_NULLABLE
Logid	int		No
Userid	int		No
Logicalunitid	int		No
Updateuserid	int		YES
Updatetime	datetime		YES
Defaultpermission	nvarchar	50	YES
Allowsavepatientlayout	nvarchar	50	No
Mode	tinyint		No
Accountexpirationfrom	datetime		YES
Accountexpirationto	datetime		YES
Schedulingpermissions	nvarchar	50	YES
Allowregistrationpatient	nvarchar	50	No

ModuleAccessGroups Table

Description

The ModuleAccessGroups table stores Logical Units permissions and sets of permissions for access groups and modules which can be used by a user.

Columns

Name	Type	Size	IS_NULLABLE
AccessID	int		No
AccessGroupName	nvarchar	50	No
Modules	int		No

UsersLogs Table

Description

The UsersLogs table stores log records of the updates made to the Users' information.

Columns

Name	Type	Size	IS_NULLABLE
UserLogID	int		No
DateOfChange	datetime		YES
UserID	int		No
FirstName	nvarchar	100	YES
LastName	nvarchar	100	YES
PasswordChanged	bit		No
AccessLevel	nvarchar	10	YES
UserTypeID	smallint		No
OrLayoutType	smallint		YES
ORLayoutID	int		YES
eMail	nvarchar	255	YES
BadgeKey	nvarchar	50	YES
UnitAccess	nvarchar	4000	YES
UpdateUserID	int		YES
Pager	nvarchar	50	YES

UsersOwnerships Table

Description

The UsersOwnerships table stores information that associates users to their ownerships.

Columns

Name	Type	Size	IS_NULLABLE
UserID	int		NO
OwnerID	smallint		NO

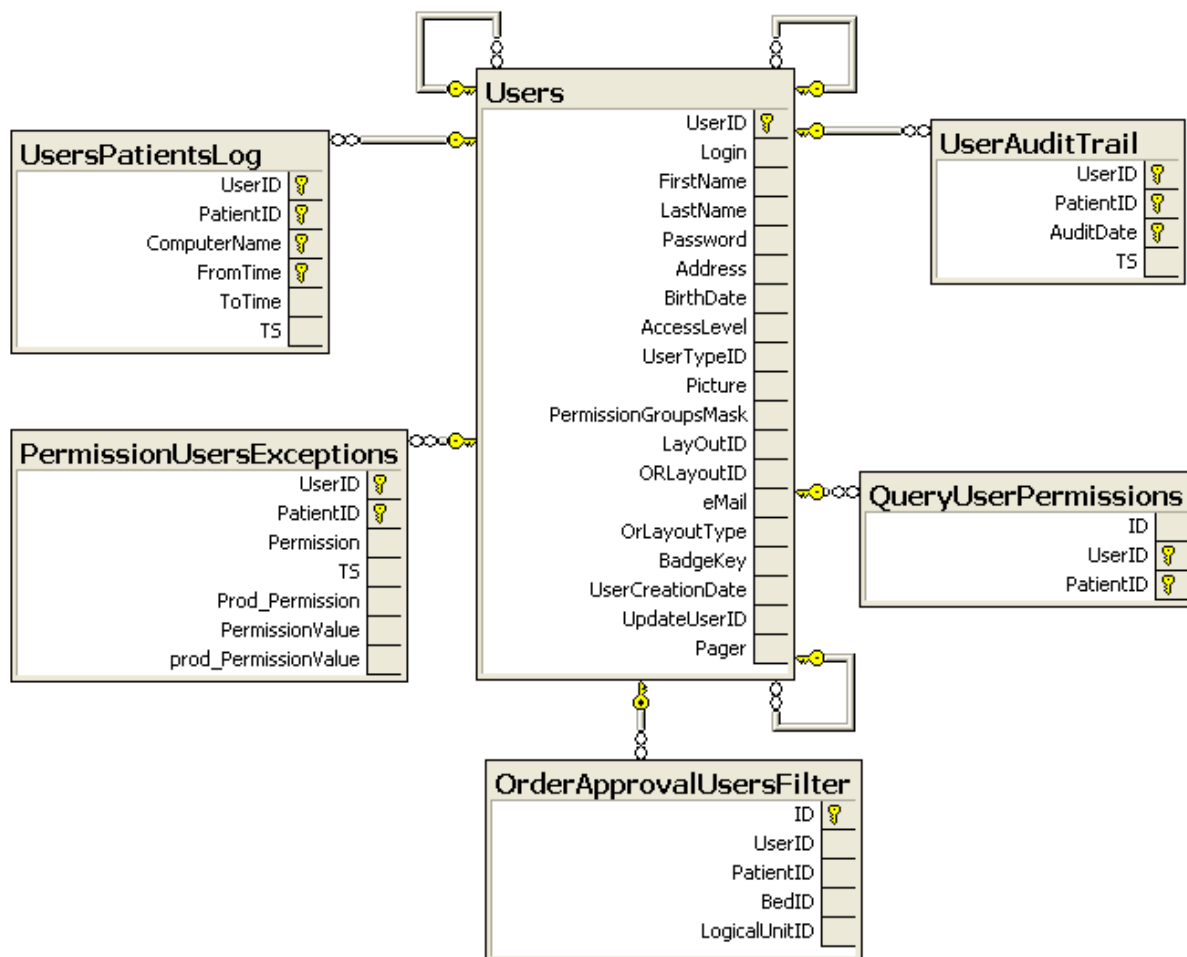
Patient Data Tables

The Users patient data set includes the following tables:

- OrderApprovalUsersFilter
- PermissionUsersExceptions
- QueryUserPermissions
- UserAuditTrail
- UsersPatientsLog

The tables listed above are linked to the Users table according to the following schema:

Figure 49. Schema of the Users Patient Data Tables



OrderApprovalUsersFilter Table

Description

The OrderApprovalUsersFilter table stores the Users filters permissions for medication orders approval.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
UserID	int		No
PatientID	int		YES
BedID	smallint		YES
LogicalUnitID	int		No

PermissionUsersExceptions Table

Description

The PermissionUsersExceptions table stores specified exceptional permissions for personnel that are not defined by the department default permissions.

Columns

Name	Type	Size	IS_NULLABLE
UserID	int		No
PatientID	int		No
Permission	nvarchar	50	No
TS	timestamp	8	YES
Prod_Permission	nvarchar	50	YES
PermissionValue	smallint		YES
prod_PermissionValue	smallint		YES

QueryUserPermissions Table

Description

The QueryUserPermissions table stores users' permissions to query patient data.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
UserID	int		No
PatientID	int		No

UserAuditTrail Table

Description

The UserAuditTrail table is not in use.

Columns

Name	Type	Size	IS_NULLABLE
UserID	int		No
PatientID	int		No
AuditDate	datetime		No
TS	timestamp	8	YES

UsersPatientsLog Table

Description

The UsersPatientsLog table contains a log of all the entries to patient files.

Columns

Name	Type	Size	IS_NULLABLE
UserID	int		No
PatientID	int		No
ComputerName	nvarchar	255	No
FromTime	datetime		No
ToTime	datetime		YES
TS	timestamp	8	YES

SCHEDULE

This Module

The Schedule module is divided into two sets of tables:

- Customize data tables
- Patient data tables

Schedule Customize Data Tables

The Schedule Customize Data set includes the following tables:

- sch_BedScheduling
- sch_BedSchedulingItems
- sch_BedSchedulingSessions
- Sch_DA_RequestEquipments
- Sch_DA_RequestUsers
- Sch_DA_RequestDateBlocks
- Sch_DA_RequestDates
- sch_DischargeDestination
- sch_DVBedsCases
- sch_DVBedsCasesBeds
- sch_DVBedsCasesCriticalEvents
- Sch_DVBedsCasesNotifications
- sch_DVBedsCasessRightColumnInformations
- sch_EquipmentCategories
- sch_Equipments
- Sch_FamilyInformationBoardBeds
- Sch_FamilyInformationBoards
- sch_Inventories
- sch_Layout
- sch_LayoutTabs
- sch_OperationBeds
- sch_OperationEquipments
- sch_OperationForms
- sch_OperationPermissionBeds
- sch_OperationReservationForms
- sch_Operations
- sch_OperationTasks
- sch_OperationType

sch_BedScheduling Table

Description

The sch_BedScheduling table stores customized session information for bed scheduling.

Columns

Name	Type	Size	IS_NULLABLE
BedSchedulingID	int		No
BedSchedulingSessionID	int		YES
BedID	smallint		No
DepartmentID	int		No

sch_BedSchedulingItems

Description

The sch_BedSchedulingItems table stores customized time frames for bed scheduling.

Columns

Name	Type	Size	IS_NULLABLE
BedSchedulingID	int		No
DayInWeek	tinyint		No
WeeksInterval	smallint		No
WeekIntervalDockDate	datetime		YES
FromTimeInDay	datetime		YES
ToTimeInDay	datetime		YES

sch_BedSchedulingSessions Table

Description

The sch_BedSchedulingSessions table stores customized bed scheduling session times.

Columns

Name	Type	Size	IS_NULLABLE
BedSchedulingSessionID	int		No
FromTime	datetime		No
ToTime	datetime		YES

Sch_DA_RequestEquipments Table

Description

The Sch_DA_RequestEquipments table stores information on surgical equipment requested for scheduled operations.

Columns

Name	Type	Size	IS_NULLABLE
ClientID	int	4	No
EquipmentID	int	4	No
Quantity	smallint	2	No

Sch_DA_RequestUsers Table

Description

The Sch_DA_RequestUsers table stores information on surgical personnel requested for scheduled operations.

Columns

Name	Type	Size	IS_NULLABLE
ClientID	int	4	No
UserID	int	4	No
FromTime	datetime	8	Yes
ToTime	datetime	8	Yes
TaskID	int	4	Yes

Sch_DA_RequestDateBlocks Table

Description

The Sch_DA_RequestDateBlocks table stores date blocks requested for scheduled operations.

Columns

Name	Type	Size	IS_NULLABLE
ClientID	int	4	No
ResourceType	smallint	2	No
BedID	int	4	No
FromTime	datetime	8	No
ToTime	datetime	8	No

Sch_DA_RequestDates Table

Description

The Sch_DA_RequestDates table stores the dates that requests were filed for scheduled operations.

Columns

Name	Type	Size	IS_NULLABLE
ClientID	int	4	No
InDate	datetime	8	No
BedID	int	4	No
EndOfDay	datetime	8	No

sch_DischargeDestination Table

Description

The sch_DischargeDestination table stores predefined discharge destination names (text).

Columns

Name	Type	Size	IS_NULLABLE
DischargeDestinationID	int		No
Name	nvarchar	60	No

sch_DVBedsCases Table

Description

The sch_DVBedsCases table stores the names of scheduled bed occupants.

Columns

Name	Type	Size	IS_NULLABLE
DVBedsCasesID	int		No
Name	nvarchar	60	No
ShowOccupationRoomsFirst	bit		No

sch_DVBedsCasesBeds Table

Description

The sch_DVBedsCasesBeds table stores information on beds available for bed scheduling.

Columns

Name	Type	Size	IS_NULLABLE
DVBedsCasesBedsID	int		No
BedID	smallint		No
OrderIndex	smallint		No
DVBedsCasesID	int		No

sch_DVBedsCasesCriticalEvents Table

Description

The sch_DVBedsCasesCriticalEvents table stores beds scheduling for critical events cases.

Columns

Name	Type	Size	IS_NULLABLE
DVBedsCasesCriticalEventsID	int		No
ParameterID	smallint		No
DVBedsCasesID	int		No

Sch_DVBedsCasesNotifications Table

Description

The Sch_DVBedsCasesNotifications table stores information for the layout view of the scheduling tool.

Columns

Name	Type	Size	IS_NULLABLE
DVBedsCasesID	int		No
ParameterID	smallint		No

sch_DVBedsCasessRightColumnInformations Table

Description

The sch_DVBedsCasessRightColumnInformations table stores the customized information appearing in the right column of the scheduling main window.

Columns

Name	Type	Size	IS_NULLABLE
DVBedsCasessRightColumnInformationsID	int		No
ParameterID	int		No
OrderIndex	tinyint		No
IconID	int		YES

Name	Type	Size	IS_NULLABLE
FetchSignalMode	tinyint		No
DVBedsCasesID	int		No

sch_EquipmentCategories Table

Description

The sch_EquipmentCategories table stores the names (brief text) of equipment categories.

Columns

Name	Type	Size	IS_NULLABLE
EquipmentCategoryID	int		No
Name	nvarchar	60	No

sch_Equipments Table

Description

The sch_Equipments table stores the names (brief text) and available quantities of equipment items.

Columns

Name	Type	Size	IS_NULLABLE
EquipmentID	int		No
EquipmentCategoryID	int		No
Name	nvarchar	60	No
Quantity	smallint		No
AvailableQuantity	smallint		No

Sch_FamilyInformationBoards Table

Description

The Sch_FamilyInformationBoards table stores the format (number of rows, message) of what will be displayed in the Family Information Boards.

Columns

Name	Type	Size	IS_NULLABLE
FamilyInformationBoardID	int		No
Name	nvarchar	60	No
NumberOfRows	smallint		YES
RefreshRate	smallint		YES

Sch_FamilyInformationBoardBeds Table

Description

The Sch_FamilyInformationBoardBeds table stores the association of a specific Family Information Board to its corresponding bed.

Columns

Name	Type	Size	IS_NULLABLE
FamilyInformationBoardID	int		No
BedID	smallint		No

sch_Inventories Table

Description

The sch_Inventories table stores names of items managed by inventory.

Columns

Name	Type	Size	IS_NULLABLE
InventoryID	int		No
Name	nvarchar	60	No

sch_Layout Table

Description

The sch_Layouts table stores names and color schemes of customized layouts.

Columns

Name	Type	Size	IS_NULLABLE
LayoutID	int		No
Name	nvarchar	60	No
ColorSchemeID	int		No
MetaVisionLayoutID	int		YES
DisplayIntervals	nvarchar	120	YES

sch_LayoutTabs Table

Description

The sch_LayoutTabs table stores the defined order (sorted) of customized layout tabs.

Columns

Name	Type	Size	IS_NULLABLE
LayoutID	int		No
TabID	int		No
SortOrder	int		No

sch_LogicalUnitEquipments Table

Description

The sch_LogicalUnitEquipments table stores information on quantities surgical equipment according to type and according to logical units (departments).

Columns

Name	Type	Size	IS_NULLABLE
LogicalUnitID	int	4	No
EquipmentID	int	4	No

Name	Type	Size	IS_NULLABLE
Quantity	smallint	2	No
AvailableQuantity	smallint	2	No

sch_MappedParameters Table

Description

The sch_MappedParameters table stores information on quantities surgical equipment according to type and according to logical units (departments).

Columns

Name	Type	Size	IS_NULLABLE
ID	int	4	No
LogicalUnitID	int	4	No
ParameterID	smallint	2	No

sch_OperationAllBeds Table

Description

The sch_OperationAllBeds table stores True/False information on whether a given operation type is available to all the beds in a given logical unit (department).

Columns

Name	Type	Size	IS_NULLABLE
OperationID	int	4	No
LogicalUnitID	int	4	No
AvailableToAllBeds	bit	1	

sch_OperationAllTypesUnits Table

Description

The sch_OperationAllTypesUnits table stores True/False information on whether or not to display all operation types available in a given logical unit (department).

Columns

Name	Type	Size	IS_NULLABLE
OperationLogicalUnitID	int	4	No
OriginLogicalUnitID	int	4	No
ShowAllTypes	bit	1	No

sch_OperationBeds Table

Description

The sch_OperationBeds table links a specific operation to a specific bed .

Columns

Name	Type	Size	IS_NULLABLE
BedID	smallint		No
OperationID	int		No

sch_OperationEquipments Table

Description

The sch_OperationEquipments table links a specific operation to specific equipment items and their quantities.

Columns

Name	Type	Size	IS_NULLABLE
OperationID	int		No
EquipmentID	int		No
Quantity	smallint		No

sch_OperationForms Table

Description

The sch_OperationForms table links a specific operation to a specific form.

Columns

Name	Type	Size	IS_NULLABLE
OperationID	int		No
FormID	uniqueidentifier		No
RequireComplete	bit		No

sch_OperationPermissionBeds Table

Description

The sch_OperationPermissionBeds table links a specific operation to a specific permitted bed.

Columns

Name	Type	Size	IS_NULLABLE
BedID	smallint		No
OperationID	int		No

sch_OperationReservationForms Table

Description

The sch_OperationReservationForms table links a specific operation to specific reservation form.

Columns

Name	Type	Size	IS_NULLABLE
OperationID	int		No
FormID	uniqueidentifier		No

sch_Operations Table

Description

The sch_Operations table stores information (type, name, length, etc.) on specific operations.

Columns

Name	Type	Size	IS_NULLABLE
OperationID	int		No
Name	nvarchar	60	No
OperationTypeID	int		No
DefaultOperationLength	int		No
DefaultOperationColor	int		YES
RequiredHospitalizationDays	smallint		YES

sch_OperationTasks Table

Description

The sch_OperationTasks table links a specific operation to specific tasks that are to be performed.

Columns

Name	Type	Size	IS_NULLABLE
OperationTaskID	int		No
OperationID	int		No
TaskID	int		No
IsMandatory	bit		No

sch_OperationType Table

Description

The sch_OperationType table stores names of operation types (short text).

Columns

Name	Type	Size	IS_NULLABLE
OperationTypeID	int		No
Name	nvarchar	60	No

sch_OperationTypesUnits Table

Description

The sch_OperationTypesUnits table stores which operation types are performed according to logical unit (department).

Columns

Name	Type	Size	IS_NULLABLE
OperationTypeID	int	4	No
OperationLogicalUnitID	int	4	No
OriginLogicalUnitID	int	4	No

sch_ReservationEquipments Table

Description

The sch_ReservationEquipments table stores reservations to specific equipment items and their quantities.

Columns

Name	Type	Size	IS_NULLABLE
EquipmentID	int		No
ReservationID	int		No
Quantity	smallint		No

sch_ReservationInventories Table

Description

The sch_ReservationInventories table stores information on quantities available of specific equipment items.

Columns

Name	Type	Size	IS_NULLABLE
ReservationID	int		No
InventoryID	int		No
Confirmed	bit		No
Comments	nvarchar	50	YES

Sch_ReservationPreferableTimes Table

Description

The Sch_ReservationPreferableTimes table stores preferred times for scheduling of operations.

Columns

Name	Type	Size	IS_NULLABLE
ReservationID	int		No
FromTime	datetime		No
ToTime	datetime		No
preferred	bit		No
ReservationPreferableTimesID	int		No

Sch_ReservationPriorities Table

Description

The Sch_ReservationPriorities table stores names and priority values of reservations for operations.

Columns

Name	Type	Size	IS_NULLABLE
PriorityID	smallint		No

Name	Type	Size	IS_NULLABLE
PriorityValue	smallint		No
Name	nvarchar	20	No

sch_ReservationUsers Table

Description

The sch_ReservationUsers table stores a list of users (surgeons, anesthesiologists, nurses, etc.) scheduled for reserved operations, along with the times and tasks.

Columns

Name	Type	Size	IS_NULLABLE
ReservationUserID	int		No
ReservationID	int		No
UserID	int		No
TaskID	int		YES
FromTimeMinutesAfterStartOperation	int		YES
ToTimeMinutesAfterStartOperation	int		YES

sch_RoomDownTime Table

Description

The sch_RoomDownTime table stores operating room downtime information.

Columns

Name	Type	Size	IS_NULLABLE
ID	int	4	No
PatientTrackID	int	4	No
RoomDownTime	smallint	2	No

sch_Settings Table

Description

The sch_Settings table stores department default settings for scheduling rules (such as reservation close time, etc.).

Columns

Name	Type	Size	IS_NULLABLE
SettingID	int		No
DepartmentActivityStartTime	datetime		No
DepartmentActivityEndTime	datetime		No
AutoLogOutTimeout	smallint		No
DefaultLayoutID	int		No
ReservationCloseTimeType	tinyint		No
ReservationCloseTimeDuration	smallint		No
ReservationDockWeekDay	tinyint		No
UnUseSegment	tinyint		No

sch_SystemParameters Table

Description

The sch_SystemParameters table stores information on specific patient cases to be displayed in the scheduler tool window.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
PatientFullName	nvarchar	60	No
PatientHospitalNumber	nvarchar	60	No
PatientAccountNumber	nvarchar	60	No
PatientCaseNumber	nvarchar	60	No
OperationType	smallint		No

Name	Type	Size	IS_NULLABLE
PatientBedName	nvarchar	50	No
StartCase	datetime		No
PatientStatus	smallint		No

sch_Tabs Table

Description

The sch_Tabs table stores names of customized tabs in the scheduler window.

Columns

Name	Type	Size	IS_NULLABLE
TabID	int		No
Name	nvarchar	60	No
DefaultTabsViewStyleID	int		No

sch_TabsViewStyle Table

Description

The sch_TabsViewStyle stores customized default view styles for the tabs in the scheduler window.

Columns

Name	Type	Size	IS_NULLABLE
TabsViewStyleID	int		No
Name	nvarchar	60	No
Interval	smallint		No
Columns	tinyint		No
EventViewStyle	tinyint		No
IsAutoScroll	bit		No
ShowRightColumn	bit		No

sch_TabViews Table

Description

The sch_TabViews stores customized tab view defaults in the layout of the scheduler window..

Columns

Name	Type	Size	IS_NULLABLE
TabViewID	int		No
TabID	int		No
ViewType	tinyint		No
DVBedsCasesID	int		No
SizePercent	smallint		No
OrderIndex	tinyint		No

sch_Tasks Table

Description

The sch_Tasks table stores names of tasks and their types.

Columns

Name	Type	Size	IS_NULLABLE
TaskID	int		No
Name	nvarchar	60	No
TaskTypeID	int		No

sch_TasksType Table

Description

The sch_TasksType table stores names of tasks types.

Columns

Name	Type	Size	IS_NULLABLE
TaskTypeID	int		No
Name	nvarchar	60	No

sch_UsersTypeOperationTasks Table

Description

The sch_UsersTypeOperationTasks table links user types with permitted operation tasks.

Columns

Name	Type	Size	IS_NULLABLE
UserTypeID	smallint		No
OperationTaskID	int		No


Schedule Patient Data Tables

The Schedule patient data set includes the following tables:

- Sch_PatientMessages
- sch_Reservations

The tables listed above are linked according to the following schema:

Figure 51. Schema of the Schedule Patient Data Tables

sch_Reservations	
ReservationID	
PatientID	
ReservationNumber	
StartTime	
EstimatedStartTime	
Length	
BedID	
OperationID	
DischargeDestinationID	
ChargeDestinationBedAvailable	
Canceled	
ReservationType	
UpdateTime	
UpdateUserID	
HospitalUnitID	
ApprovedByUserID	
ApprovedUntil	
Comments	
RequiredHospitalizationDays	
PriorityID	

Sch_PatientMessages	
PatientMessageID	
PatientID	
Message	
SendToMask	
UpdateTime	
UpdateUserID	

Sch_PatientMessages Table

Description

The Sch_PatientMessages table stores specific patient messages and their meta-data.

Columns

Name	Type	Size	IS_NULLABLE
PatientMessageID	int		No
PatientID	int		No
Message	nvarchar	2000	No
SendToMask	smallint		No
UpdateTime	datetime		No
UpdateUserID	int		No

sch_Reservations Table

Description

The sch_Reservations table stores all the information on specific reservations.

Columns

Name	Type	Size	IS_NULLABLE
ReservationID	int		No
PatientID	int		No
ReservationNumber	nvarchar	60	YES
StartTime	datetime		YES
EstimatedStartTime	datetime		YES
Length	int		No
BedID	smallint		YES
OperationID	int		YES
DischargeDestinationID	int		YES
DischargeDestinationBedAvailable	bit		No

Name	Type	Size	IS_NULLABLE
Canceled	bit		No
ReservationType	tinyint		No
UpdateTime	datetime		No
UpdateUserID	int		No
HospitalUnitID	int		No
ApprovedByUserID	int		YES
ApprovedUntil	datetime		YES
Comments	nvarchar	1000	YES
RequiredHospitalizationDays	smallint		YES
PriorityID	smallint		YES

COSTS

This Module

The Costs module is divided into two sets of tables:

- Customize data tables
- Patient data tables

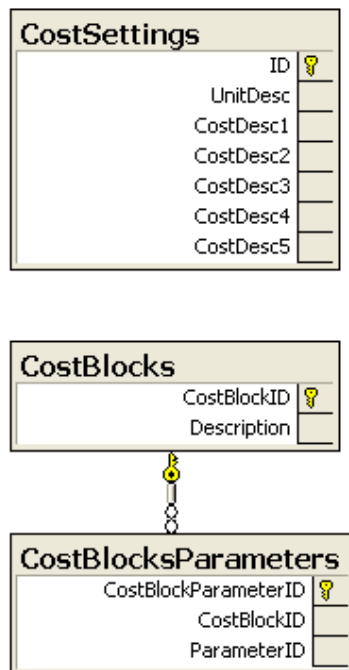
Customize Data Tables

The Costs Customize Data set includes the following tables:

- CostBlocks
- CostBlocksParameters
- CostSettings

The tables listed above are linked according to the following schema:

Figure 52. Schema of the Costs Customize Data Tables



CostBlocks Table

Description

The CostBlocks table stores brief text descriptions of cost blocks.

Columns

Name	Type	Size	IS_NULLABLE
CostBlockID	smallint		No
Description	nvarchar	50	YES

CostBlocksParameters Table

Description

The CostBlocksParameters table stores parameter IDs of cost blocks.

Columns

Name	Type	Size	IS_NULLABLE
CostBlockParameterID	int		No
CostBlockID	smallint		No
ParameterID	smallint		No

CostSettings Table

Description

The CostSettings table stores brief text descriptions of cost units and items.

Columns

Name	Type	Size	IS_NULLABLE
ID	tinyint		No
UnitDesc	nvarchar	20	YES
CostDesc1	nvarchar	50	YES
CostDesc2	nvarchar	50	YES
CostDesc3	nvarchar	50	YES

Name	Type	Size	IS_NULLABLE
CostDesc4	nvarchar	50	YES
CostDesc5	nvarchar	50	YES

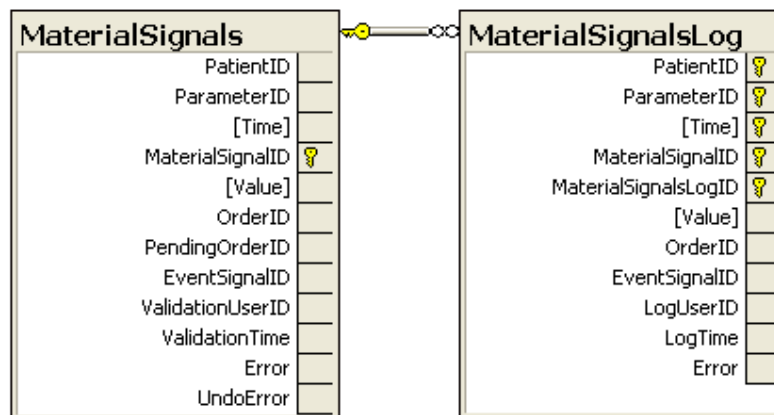
Patient Data Tables

The Costs Patient Data set includes the following tables:

- MaterialSignals
- MaterialSignalsLog

The tables listed above are linked according to the following schema:

Figure 53. Schema of the Costs Patient Data Tables



MaterialSignals Table

Description

The MaterialSignals table stores data of material signals (and values), and other signals data(events, validations, errors, etc.).

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
ParameterID	smallint		No
Time	datetime		No
MaterialSignalID	int		No

Name	Type	Size	IS_NULLABLE
Value	smallint		No
OrderID	int		YES
PendingOrderID	int		YES
EventSignalID	int		YES
ValidationUserID	int		YES
ValidationTime	datetime		YES
Error	bit		YES
UndoError	bit		YES

MaterialSignalsLog Table

Description

The MaterialSignalsLog table stores log records of MaterialSignals data (and values) from previous events.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		No
ParameterID	smallint		No
Time	datetime		No
MaterialSignalID	int		No
MaterialSignalsLogID	int		No
Value	smallint		No
OrderID	int		YES
EventSignalID	int		YES
LogUserID	int		YES
LogTime	datetime		YES
Error	bit		YES

SCORES

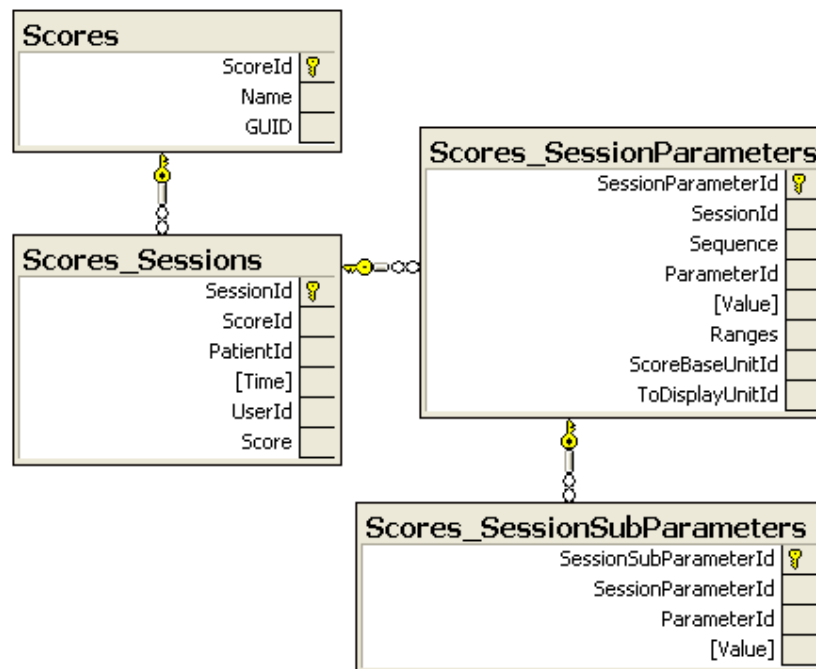
This Module

The Scores module consists of four tables:

- Scores
- Scores_SessionParameters
- Scores_Sessions
- Scores_SessionSubParameters

The tables listed above are linked according to the following schema:

Figure 54. Schema of the Scores Tables



The Scores Data Tables

Scores Table

Description

The Scores table stores the names of all the scores available (that have been defined).

Columns

Name	Type	Size	IS_NULLABLE
ScoreId	int		No
Name	nvarchar	50	No
GUID	nvarchar	100	No

Scores_Sessions Table

Description

The Scores_Sessions table stores the scoring sessions per patient.

Columns

Name	Type	Size	IS_NULLABLE
SessionId	int		No
ScoreId	int		No
PatientId	int		No
Time	datetime		No
UserId	int		No
Score	real		No

Scores_SessionParameters Table

Description

The Scores_SessionParameters table stores the parameter values per scoring session.

Columns

Name	Type	Size	IS_NULLABLE
SessionParameterId	int		No
SessionId	int		No
Sequence	nvarchar	50	No
ParameterId	smallint		YES
Value	real		YES
Ranges	nvarchar	100	YES
ScoreBaseUnitId	smallint		YES
ToDisplayUnitId	smallint		YES

Scores_SessionSubParameters Table

Description

The Scores_SessionSubParameters table stores the sub-parameter values per scoring session.

Columns

Name	Type	Size	IS_NULLABLE
SessionSubParameterId	int		No
SessionParameterId	int		No
ParameterId	smallint		No
Value	real		YES

MAPPING

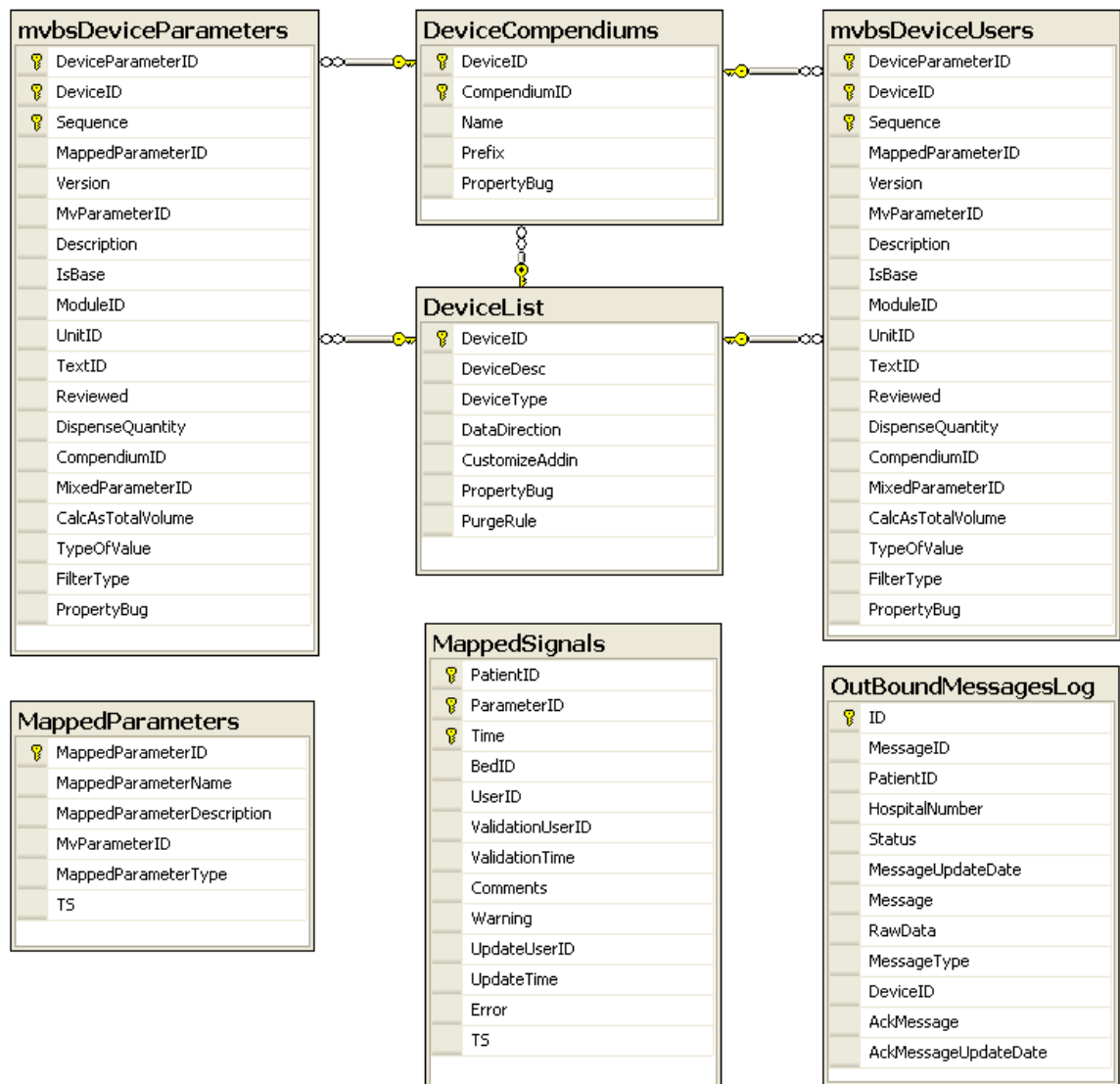
This Module

The Mapping module is divided into two sets of tables:

- Devices tables
- Device Mapping tables

The tables in the Mapping module are linked according to the following schema:

Figure 55. Schema of the Mapping Tables



Devices Tables

The Devices set includes the following tables:

- DeviceList
- mvbsDeviceParameters
- DeviceCompendiums
- mvbsDeviceUsers

DeviceList Table

Description

The DeviceList table stores the devices defined in the department for device mapping..

Columns

Name	Type	Size	IS_NULLABLE
DeviceID	int		No
DeviceDesc	nvarchar	100	YES
DeviceType	tinyint		YES
DataDirection	tinyint		No
CustomizeAddin	nvarchar	50	YES
PropertyBug	ntext		YES

mvbsDeviceParameters Table

Description

The mvbsDeviceParameters table stores a list of parameters for each device that are mapped to the corresponding MetaVision parameters.

Columns

Name	Type	Size	IS_NULLABLE
DeviceParameterID	int		No
DeviceID	int		No
Sequence	nvarchar	100	No
MappedParameterID	smallint		YES
Version	real		YES

Name	Type	Size	IS_NULLABLE
MvParameterID	smallint		YES
Description	nvarchar	200	YES
IsBase	smallint		No
ModuleID	tinyint		No
UnitID	smallint		YES
TextID	smallint		YES
Reviewed	tinyint		No
DispenseQuantity	real		YES
CompendiumID	smallint		YES
MixedParameterID	int		YES
CalcAsTotalVolume	bit		No
TypeOfValue	tinyint		YES
FilterType	tinyint		YES
PropertyBug	ntext		YES

mvbsDeviceUsers Table

Description

The mvbsDeviceUsers table stores a list of parameters for each device that are mapped to the corresponding MetaVision parameters.

Columns

Name	Type	Size	IS_NULLABLE
DeviceParameterID	int		No
DeviceID	int		No
Sequence	nvarchar	100	No
MappedParameterID	smallint		Yes
Version	real		Yes
MvParameterID	smallint		Yes

Name	Type	Size	IS_NULLABLE
Description	nvarchar	200	Yes
IsBase	smallint		No
ModuleID	tinyint		No
UnitID	smallint		Yes
TextID	smallint		Yes
Reviewed	tinyint		No
DispenseQuantity	real		Yes
CompendiumID	smallint		Yes
MixedParameterID	int		Yes
CalcAsTotalVolume	bit		No
TypeOfValue	tinyint		Yes
FilterType	tinyint		Yes
PropertyBug	nvarchar	MAX	Yes

DeviceCompendiums Table

Description

The DeviceList table stores the devices defined in the department for device mapping.

The DeviceCompendiums stores the compendiums defined for each device. A device may not have any compendium defined.

Note: IDs of parameters may vary from department to department. In order to make your scripts portable avoid referring to parameter IDs and use mappings instead.

Columns

Name	Type	Size	IS_NULLABLE
DeviceID	int		No
CompendiumID	smallint		No
Name	nvarchar	255	No
Prefix	nvarchar	50	No
PropertyBug	ntext		YES

Device Mapping Tables

The Device Mapping set includes the following tables:

- OutBoundMessagesLog
- MappedParameters

OutBoundMessagesLog Table

Description

The OutBoundMessagesLog table serves as a log for Messages.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
MessageID	nvarchar	50	YES
PatientID	int		YES
HospitalNumber	nvarchar	40	YES
Status	int		YES
MessageUpdateDate	datetime		YES
Message	nvarchar	1	YES
RawData	nvarchar	1	YES
MessageType	int		YES
DeviceID	int		YES
AckMessage	nvarchar	1	YES
AckMessageUpdateDate	datetime		YES

MappedParameters Table

Description

The MappedParameters table stores a list of the mapped parameters (and brief descriptions), for each mapped device.

Columns

Name	Type	Size	IS_NULLABLE
MappedParameterID	smallint		No
MappedParameterName	nvarchar	50	No
MappedParameterDescription	nvarchar	200	YES
MvParameterID	smallint		YES
MappedParameterType	smallint		YES
TS	timestamp	8	YES

SETTINGS

This Module

The Settings module consists of the following tables:

- Customize
- CustomizeEx
- CcowParticipates
- DatabaseSettings
- MetaVisionBackServers
- StagingDistributionLog
- StagingParticipants
- StagingSettings
- StagingSubscribersDatabases

The Settings Module Tables

Customize Table

Description

The Customize table stores department settings.

Columns

Name	Type	Size	IS_NULLABLE
CustomizeID	smallint		No
AnonymousSignalsBuffer	smallint		No
AutoLogOutTimeout	smallint		No
StartOfDay	datetime		YES
FSheetDefaultPrintID	smallint		No
InstitutionName	nvarchar	50	No
SoundFilePath	nvarchar	255	No
ContinuesRange	smallint		No
TemperatureUnitID	smallint		No
BrowserStartPage	nvarchar	200	YES
ShowSummery	bit		No
SummeryColName	nvarchar	50	YES
NotesCategoriesPath	nvarchar	255	YES
NotesDocumentsPath	nvarchar	255	YES
NotesTempFilePath	nvarchar	255	YES
ExcellFilePath	nvarchar	255	YES
ShowDiagnosisOnTitleBar	smallint		YES
PrintGraphColor	int		YES
UsePumpsDriver	bit		YES
DW_EMPI_DB	nvarchar	50	No

Name	Type	Size	IS_NULLABLE
DW_EMPI_SERVER	nvarchar	50	No
DW_NUM_OF_ERRORS	smallint		YES
HospitalLogo	image		YES
DepartmentName	nvarchar	50	YES
ShowFluidBallance	bit		YES
TargetsDeviation	real		YES
NumOfFutureTargets	smallint		YES
MappedFormula1	smallint		YES
MappedFormula2	smallint		YES
FluidBallanceTitle	nvarchar	50	YES
DefaultLayout	int		YES
LastNameBeforeFirstName	bit		No
EmpiRefresh	bit		No
MyMv_dataformat	tinyint		No
DepartmentImage	image		YES
RegisterInUserUnits	bit		No
MyMvMandatoryFormMode	smallint		No
MyMvMandatoryFormID	uniqueidentifier		YES
Shifts	nvarchar	250	YES
StartOfFirstShift	smalldatetime		YES
NOB	nvarchar	50	YES
DW_FPT	smallint		No
NotifyAccountExpiration	int		YES
UseFullSizeLogonScreen	bit		No
HisDataTransferMode	tinyint		No
BilingModules	int		No

Name	Type	Size	IS_NULLABLE
ExternalLoginProgID	nvarchar	50	YES
ReportPDFFilePath	nvarchar	200	No
ReportPDFFileName	nvarchar	200	No
AlertNumberOfOrders	int		No
VIRTUALSERVERNAME	nvarchar	50	YES
NotesUseDigitalSignature	bit		YES
NotesForceData	bit		YES
NotesIdentifySignUser	bit		YES
ShowLoginUser	bit		No
NotesEditByCreateUser	bit		No
NotesAllowAddendumToNotes	bit		No
FormsSignUsingDigitalSignature	bit		No
ForceLeadingZero	bit		No
NotesAllowCreateNewNote	bit		No
ShowCalcTotalFeeding	bit		No
DefaultLoginStationSettings	tinyint		No
SplitReport	int		YES
GDIObjectsPercentage	tinyint		No
AutomaticPermissionForShowPatient	bit		No
AutomaticPermissionForSpeciality	bit		No
ExternalAutoLoginProgID	nvarchar	50	YES
OrderEntryInterfaceProgID	nvarchar	50	YES
TrackButtonUsage	bit		No
UseChronologyView	bit		YES

CustomizeEx Table

Description

The CustomizeEx table stores the department customized settings for expiration (timeout values) of logins, and other time-related parameters.

Columns

Name	Type	Size	IS_NULLABLE
CustomizeID	int		No
NotifyAccountExpiration	int		YES
MessageExpirationValue	smallint		YES
UseFullSizeLogonScreen	bit		No
HisDataTransferMode	tinyint		No
DW_EMPI_DB	nvarchar	50	No
DW_EMPI_SERVER	nvarchar	50	No
EmpiRefresh	bit		YES
StartOfDay	datetime		No
StartOfFirstShift	smalldatetime		YES
Shifts	nvarchar	250	YES
DepartmentName	nvarchar	50	YES
ExternalLoginProgID	nvarchar	50	YES
LastNameBeforeFirstName	bit		YES
AutoLogOutTimeout	smallint		YES
NotesIdentifySignUser	bit		YES
NotesUseDigitalSignature	bit		YES
NotesForceData	bit		YES

CcowParticipates Table

Description

The CcowParticipates table stores the names of applications and their password codes.

Columns

Name	Type	Size	IS_NULLABLE
ApplictionID	int		No
PassCode	nvarchar	2000	No
ApplicationName	nvarchar	50	YES

DatabaseSettings Table

Description

The DatabaseSettings table holds information about the Production database environment, such as the relevant EMPI database details.

Columns

Name	Type	Size	IS_NULLABLE
ID	int	4	No
EMPIServerName	Nvarchar(255)	510	No
EMPIDatabaseName	Nvarchar(255)	510	No
DatabaseSignature	uniqueidentifier	16	No
DepartmentName	nvarchar(50)	100	Yes
QueryWizardPrintServerID	smallint	2	Yes
SQLDepartmentAlias	nvarchar(255)	510	Yes
SQLEMPIAlias	nvarchar(255)	510	Yes

MetaVisionBackServers Table

Description

The MetaVisionBackServers table stores information about the MetaVision BackServer (MVBS).

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint	2	No
Name	nvarchar(50)	100	YES
IP	nvarchar(20)	40	No
Port	nvarchar(5)	10	No
Descriptions	nvarchar(255)	510	YES

StagingDistributionLog Table

Description

The StagingDistributionLog table is currently not being used by MetaVision.

Columns

Name	Type	Size	IS_NULLABLE
ID	int	4	No
DatabaseServerName	nvarchar(255)	510	Yes
DatabaseName	nvarchar(255)	510	Yes
Time	datetime	8	No

StagingParticipants Table

Description

The StagingParticipants table stores the names of the databases participating in the Staging Environment

Columns

Name	Type	Size	IS_NULLABLE
ID	int	4	No
Name	nvarchar(60)	120	No
DatabaseSignature	uniqueidentifier	16	No

StagingSettings Table

Description

The StagingSettings table contains information about the staging settings

Columns

Name	Type	Size	IS_NULLABLE
ID	int	4	No
UseStagingEnvironment	bit	1	No
MasterDatabaseSignature	uniqueidentifier	16	Yes

StagingSubscribersDatabases Table

Description

The StagingSubscribersDatabases table contains information about Staging Subscribers

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
ServerName	nvarchar	256	NO
DatabaseName	nvarchar	256	NO
Description	nvarchar	1000	YES

ALLERGIES

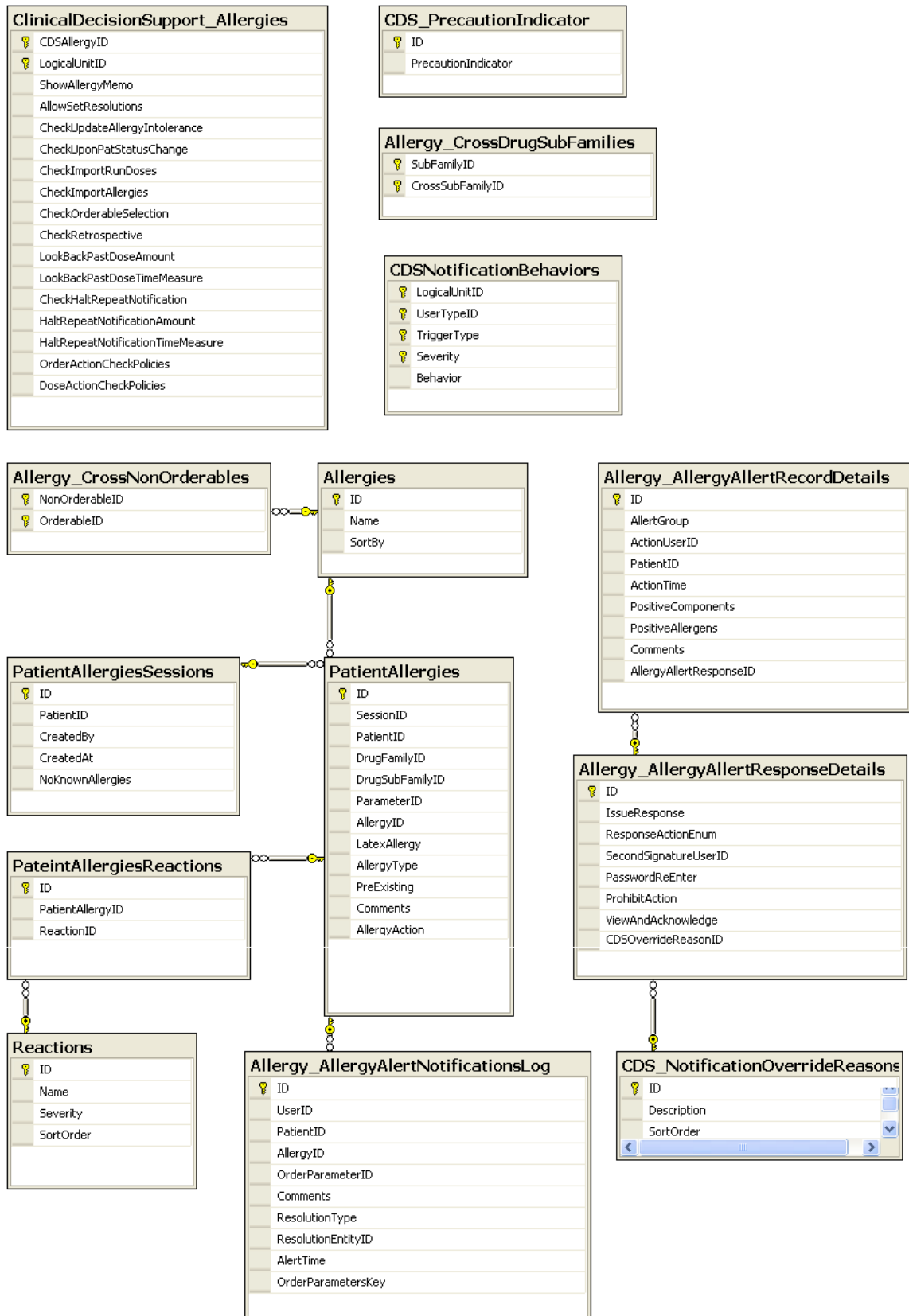
This Module

The Allergies module is divided into two sets of tables:

- Customize Data tables
- Patient Data tables

The tables in the Allergies module are linked according to the following schema:

Figure 56. Schema of the Allergies Tables



Customize Data Tables

The Allergies Customize Data set includes the following tables:

- Allergies
- Reactions
- Allergy_CrossDrugFamilies
- Allergy_CrossDrugSubFamilies
- Allergy_CrossNonOrderables
- CDS_NotificationOverrideReasons
- CDS_PrecautionIndicator
- CDSNotificationBehaviors
- ClinicalDecisionSupport_Allergies

Allergies Table

Description

The Allergies table stores a list of the allergies defined in the department, along with a sort order.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
Name	nvarchar	150	No
SortBy	smallint		No

Reactions Table

Description

The Reactions table stores names (brief text) of allergic reactions.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
Name	nvarchar	250	No

Allergy_CrossDrugFamilies Table

Description

The Allergy_CrossDrugFamilies table facilitates in determining allergy cross reactivity (relations) between drug families.

Columns

Name	Type	Size	IS_NULLABLE
FamilyID	smallint		No
CrossFamilyID	smallint		No

Allergy_CrossDrugSubFamilies Table

Description

The Allergy_CrossDrugSubFamilies table facilitates in determining allergy cross reactivity (relations) between drug sub-families.

Columns

Name	Type	Size	IS_NULLABLE
SubFamilyID	smallint		No
CrossSubFamilyID	smallint		No

Allergy_CrossNonOrderables Table

Description

The Allergy_CrossNonOrderables table facilitates in determining allergy cross reactivity (relations) between non-orderable (allergies and intolerances) and orderable parameters.

Columns

Name	Type	Size	IS_NULLABLE
NonOrderableID	smallint		No
OrderableID	smallint		No

CDS_NotificationOverrideReasons Table

Description

The CDS_NotificationOverrideReasons table stores the notification override reasons for Clinical Decision Support.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
Description	nvarchar	255	No
SortOrder	smallint		Yes

CDS_PrecautionIndicator Table

Description

The CDS_PrecautionIndicator table stores the current precaution indicator.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
PrecautionIndicator	nvarchar	5	No

CDSNotificationBehaviors Table

Description

The CDSNotificationBehaviors table stores the notification behavior policies for each department (per user type).

Columns

Name	Type	Size	IS_NULLABLE
LogicalUnitID	int		No
UserTypeID	smallint		No
TrigerType	tinyint		No
Severity	tinyint		No

Name	Type	Size	IS_NULLABLE
Behavior	tinyint		Yes

ClinicalDecisionSupport_Allergies Table

Description

The ClinicalDecisionSupport_Allergies table stores customized rules for checking allergies.

Columns

Name	Type	Size	IS_NULLABLE
CDSAAllergyID	int		No
LogicalUnitID	int		No
ShowAllergyMemo	bit		Yes
AllowSetResolutions	bit		Yes
CheckUpdateAllergyIntolerance	bit		Yes
CheckUponPatStatusChange	bit		Yes
CheckImportRunDoses	bit		Yes
CheckImportAllergies	bit		Yes
CheckOrderableSelection	bit		Yes
CheckRetrospective	bit		Yes
LookBackPastDoseAmount	int		Yes
LookBackPastDoseTimeMeasure	tinyint		Yes
CheckHaltRepeatNotification	bit		Yes
HaltRepeatNotificationAmount	int		Yes
HaltRepeatNotificationTimeMeasure	tinyint		Yes
OrderActionCheckPolicies	nvarchar	400	Yes
DoseActionCheckPolicies	nvarchar	400	Yes

Patient Data Tables

The Allergies Patient Data set includes the following tables:

- PatientAllergies
- PatientAllergiesSessions
- PatientAllergiesReactions
- Allergy_AllergyAlertNotificationsLog
- Allergy_AllergyAlertRecordDetails
- Allergy_AllergyAlertResponseDetails

PatientAllergies Table

Description

The PatientAllergies table stores information about specific patients' allergies to drugs and other substances.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
SessionID	int		No
PatientID	int		No
DrugFamilyID	smallint		YES
DrugSubFamilyID	smallint		YES
ParameterID	smallint		YES
AllergyID	smallint		YES
LatexAllergy	bit		YES
AllergyType	tinyint		No
PreExisting	bit		No
Comments	nvarchar	1000	YES
AllergyAction	tinyint		YES

PatientAllergiesSessions Table

Description

The PatientAllergiesSessions table stores patient allergies diagnosis sessions.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
PatientID	int		No
CreatedBy	smallint		No
CreatedAt	datetime		No
NoKnownAllergies	bit		YES

PateintAllergiesReactions Table

Description

The PateintAllergiesReactions table stores records of patient allergic reactions.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
PatientAllergyID	int		No
ReactionID	smallint		No

Allergy_AllergyAlertNotificationsLog Table

Description

The Allergy_AllergyAlertNotificationsLog table stores the Allergy Alert notifications for halt repeat.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
UserID	int		No

Name	Type	Size	IS_NULLABLE
PatientID	int		No
AllergyID	int		No
OrderParameterID	smallint		No
Comments	nvarchar	1000	Yes
ResolutionType	tinyint		Yes
ResolutionEntityID	int		Yes
AlertTime	datetime		No
OrderParameterKey	nvarchar	250	No

Allergy_AllergyAlertRecordDetails Table

Description

The Allergy_AllergyAlertRecordDetails table stores the actions log of physicians and nurses upon allergies alerts.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
AlertGroup	uniqueidentifier		No
ActionUserID	int		No
PatientID	int		No
ActionTime	datetime		No
PositiveComponents	nvarchar	300	No
PositiveAllergens	nvarchar	300	No
Comments	nvarchar	500	Yes
AllergyAlertResponseID	int		No

Allergy_AllergyAlertResponseDetails Table

Description

The Allergy_AllergyAlertResponseDetails table stores the details of physician responses to Allergy alerts.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
IssueResponse	smallint		No
ResponseActionEnum	int		No
SecondSignatureUserID	int		Yes
PasswordReEnter	bit		Yes
ProhibitAction	bit		Yes
ViewAndAcknowledge	bit		Yes
CDSOverrideReasonID	smallint		Yes

DEPARTMENTS

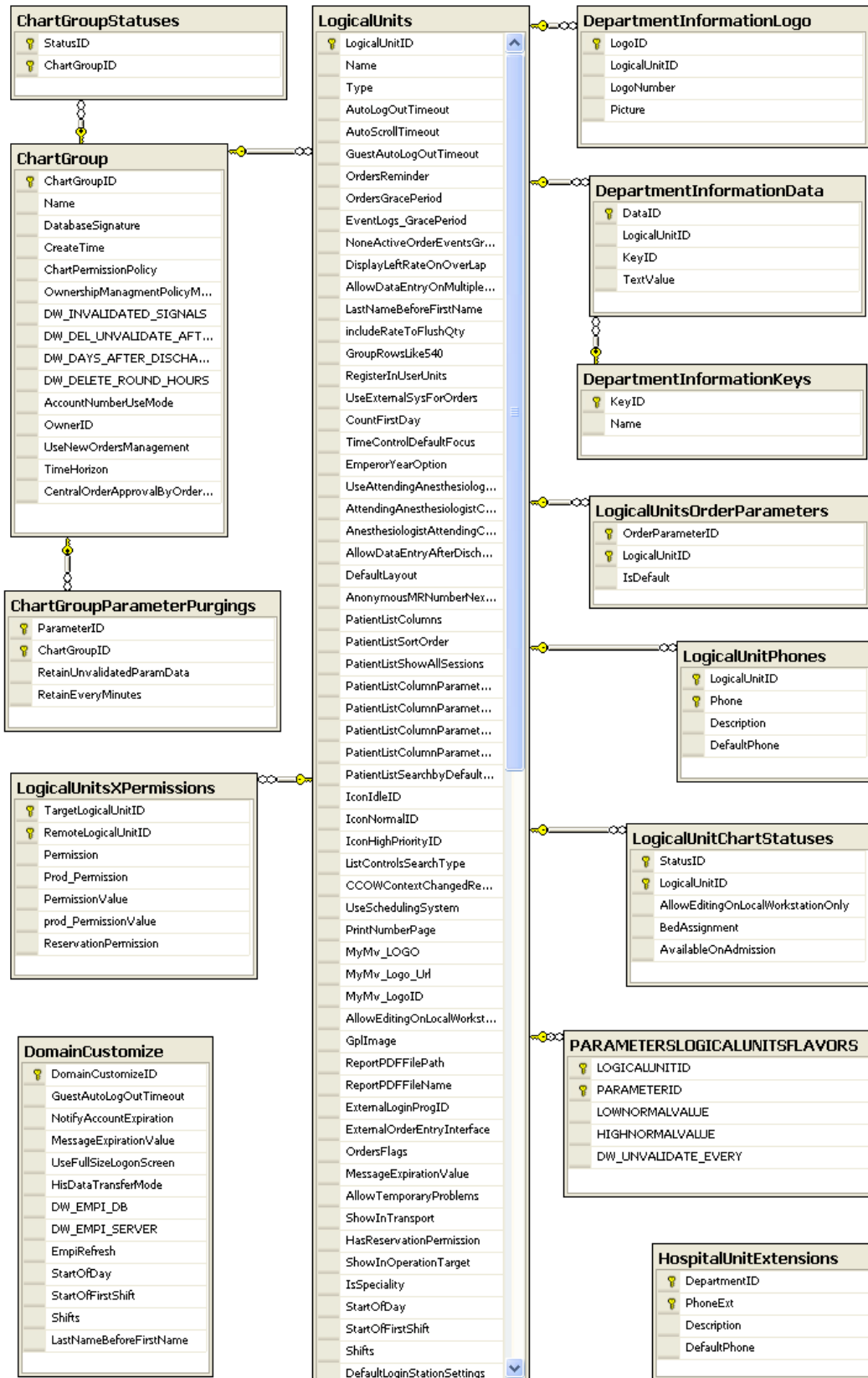
This Module

The Departments module contains the following tables:

- LogicalUnitPhones
- Logicalunits
- LogicalUnitsOrderParameters
- Parameterslogicalunitsflavors
- LogicalUnitsXPermissions
- DepartmentInformationData
- DepartmentInformationKeys
- DepartmentInformationLogos
- DomainCustomize
- HospitalUnitExtensions
- ChartGroup
- ChartGroupParameterPurgings
- ChartGroupStatuses
- LogicalUnitChartStatuses

The tables listed above are linked according to the following schema:

Figure 57. Schema of the Departments Tables



The Departments Module Tables

LogicalUnitPhones Table

Description

The LogicalUnitPhones table stores the parameters of the phones in the logical units (where a department may include several logical units, such as rooms, etc.).

Columns

Name	Type	Size	IS_NULLABLE
LogicalUnitID	int		No
Phone	nvarchar	50	No
Description	nvarchar	20	YES
DefaultPhone	bit		YES

Logicalunits Table

Description

The Logicalunits table stores all of the properties of the logical units (where a department may include several logical units, such as rooms, etc.).

Columns

Name	Type	Size	IS_NULLABLE
Logicalunitid	int		No
Name	nvarchar	60	No
Type	tinyint		No
Autologouttimeout	smallint		No
Autoscrolltimeout	smallint		No
Guestautologouttimeout	smallint		YES
Ordersreminder	smallint		YES
Ordersgraceperiod	smallint		YES
Eventlogs_Graceperiod	smallint		No
Noneactiveordereventsgrace	smallint		YES

Name	Type	Size	IS_NULLABLE
Displayleftateonoverlap	bit		YES
Allowdataentryonmultiplesignals	bit		No
Lastnamebeforefirstname	bit		No
Includeratetoflushqty	bit		No
Groupprowslike540	bit		YES
Registerinuserunits	bit		YES
Useexternalsysfororders	tinyint		No
Countfirstday	bit		YES
Timecontroldefaultfocus	tinyint		YES
Emperoryearoption	tinyint		No
Useattendinganesthesiologistcompliance	bit		No
Attendinganesthesiologistcomplianceforceconstrains	bit		No
Anesthesiologistattendingcount	smallint		No
Ispreadmissionstatusavailable	bit		No
Ispreanesthesiastatusavailable	bit		No
Ispostanesthesiastatusavailable	bit		No
Isreleasestatusavailable	bit		No
Usemultiplecases	bit		No
Allowdataentryafterdischarge	bit		No
Socialsecurityusemode	tinyint		No
Defaultlayout	int		YES
Anonymousmrnumbernextid	int		No
Patientlistcolumns	nvarchar	200	No
Patientlistsortorder	nvarchar	60	YES
Patientlistshowallsessions	bit		No

Name	Type	Size	IS_NULLABLE
Patientlistcolumnparameter1id	int		YES
Patientlistcolumnparameter1displaymode	tinyint		YES
Patientlistcolumnparameter2id	int		YES
Patientlistcolumnparameter2displaymode	tinyint		YES
Patientlistsearchbydefaultfield	tinyint		No
Iconidleid	int		YES
Iconnormalid	int		YES
Iconhighpriorityid	int		YES
Listcontrolssearchtype	tinyint		No
Ccowcontextchangedrespond	tinyint		YES
Useschedulingsystem	tinyint		No
Printnumberpage	smallint		YES
Mymv_Logo	image		YES
Mymv_Logo_Url	nvarchar	500	YES
Mymv_Logoid	uniqueidentifier		YES
Allowededitingonlocalworkstationonly	bit		YES
Dw_Invalidated_Signals	smallint		No
Dw_Del_Unvldate_After	smallint		No
Dw_Days_After_Discharge	smallint		No
Dw_Delete_Round_Hours	bit		No
Gplimage	image		YES
Reportpdffilepath	nvarchar	50	YES
Reportpdffilename	nvarchar	50	YES
Externalloginprogid	nvarchar	50	YES
Externalorderentryinterface	nvarchar	100	YES
Ordersflags	int		No

Name	Type	Size	IS_NULLABLE
Messageexpirationvalue	smallint		YES
Allowtemporaryproblems	bit		No
Showintransport	bit		No
Hasreservationpermission	bit		No
Showinoperationtarget	bit		No
Isspeciality	bit		No
Startofday	datetime		No
Startoffirstshift	datetime		YES
Shifts	nvarchar	250	YES
DefaultLoginStationSettings	tinyint		No
ShowFluidBallance	bit		YES
TargetsDeviation	real		YES
NumOfFutureTargets	smallint		YES
MappedFormula1	smallint		YES
MappedFormula2	smallint		YES
FluidBallanceTitle	nvarchar	50	YES
PatientListFontSize	smallint		No
ExternalAutoLoginProgID	nvarchar	50	YES
TimeControlArrowsSequence	tinyint		YES
CheckMRNScript	ntext		YES
CreateMRNScript	ntext		YES
CurrentTimeForRelease	tinyint		No
OrdersApprovalAutoLogOut	smallint		No

LogicalUnitsOrderParameters Table

Description

The LogicalUnitsOrderParameters table links the department's order parameter defaults to the logical unit within the department (and also determines if it is the default for the logical unit).

Columns

Name	Type	Size	IS_NULLABLE
OrderParameterID	int		No
LogicalUnitID	int		No
IsDefault	bit		YES

Parameterslogicalunitsflavors Table

Description

The Parameterslogicalunitsflavors table stores the minimum and maximum normal value parameters for each logical unit (where a department may include several logical units, such as rooms, etc.).

Columns

Name	Type	Size	IS_NULLABLE
Logicalunitid	int		No
Parameterid	smallint		No
Lownormalvalue	real		YES
Highnormalvalue	real		YES
Dw_Unvalidate_Every	smallint		No

LogicalUnitsXPermissions Table

Description

The LogicalUnitsXPermissions table stores permission settings that are specific (exceptions) for the logical unit, and may override general department permission settings.

Columns

Name	Type	Size	IS_NULLABLE
TargetLogicalUnitID	int		No
RemoteLogicalUnitID	int		No
Permission	nvarchar	50	No
Prod_Permission	nvarchar	50	YES
PermissionValue	smallint		YES
prod_PermissionValue	smallint		YES

DepartmentInformationData Table

Description

The DepartmentInformationData table stores administrative information about departments.

Columns

Name	Type	Size	IS_NULLABLE
DataID	int	4	No
LogicalUnitID	int	4	No
KeyID	int	4	No
TextValue	nvarchar(50)	100	No

DepartmentInformationKeys Table

Description

The DepartmentInformationKeys table stores administrative information about departments.

Columns

Name	Type	Size	IS_NULLABLE
KeyID	int	4	No
Name	nvarchar(50)	100	Yes

DepartmentInformationLogo Table

Description

The DepartmentInformationLogo table stores logos related to departments.

Columns

Name	Type	Size	IS_NULLABLE
LogoID	int	4	No
LogicalUnitID	int	4	No
LogoNumber	int	4	No
Picture	image	max	Yes

DomainCustomize Table

Description

The DomainCustomize table stores administrative information.

Columns

Name	Type	Size	IS_NULLABLE
DomainCustomizeID	int	4	No
GuestAutoLogOutTimeout	smallint	2	YES
NotifyAccountExpiration	int	4	YES
MessageExpirationValue	smallint	2	YES
UseFullSizeLogonScreen	bit	1	No
HisDataTransferMode	tinyint	1	No
DW_EMPI_DB	nvarchar(50)	100	No
DW_EMPI_SERVER	nvarchar(50)	100	No
EmpiRefresh	bit	1	YES
StartOfDay	datetime	8	No
StartOfFirstShift	smalldatetime	4	YES
Shifts	nvarchar(250)	500	YES
LastNameBeforeFirstName	bit	1	YES

HospitalUnitExtensions Table

Description

The HospitalUnitExtensions table stores the phone extensions of the hospital departments.

Columns

Name	Type	Size	IS_NULLABLE
DepartmentID	int	4	No
PhoneExt	nvarchar(20)	40	No
Description	nvarchar(20)	40	YES
DefaultPhone	bit	1	YES

ChartGroup Table

Description

The ChartGroup table stores the. department group data for one flow sheet.

Columns

Name	Type	Size	IS_NULLABLE
ChartGroupID	int		NO
Name	nvarchar	60	NO
DatabaseSignature	uniqueidentifier		YES
CreateTime	datetime		NO
ChartPermissionPolicy	tinyint		NO
OwnershipManagmentPolicyMask	tinyint		NO
DW_INVALIDATED_SIGNALS	smallint		YES
DW_DEL_UNVALIDATE_AFTER	smallint		YES
DW_DAYS_AFTER_DISCHARGE	smallint		YES
DW_DELETE_ROUND_HOURS	bit		YES
AccountNumberUseMode	tinyint		NO
OwnerID	smallint		YES
UseNewOrdersManagement	bit		NO
TimeHorizon	tinyint		NO
CentralOrderApprovalByOrderingUserOnly	bit		NO

ChartGroupParameterPurgings Table

Description

The ChartGroupParameterPurgings table enables purging parameters according to chart group.

Columns

Name	Type	Size	IS_NULLABLE
ParameterID	smallint		NO

Name	Type	Size	IS_NULLABLE
ChartGroupID	int		NO
RetainUnvalidatedParamData	smallint		NO
RetainEveryMinutes	int		YES

ChartGroupStatuses Table

Description

The ChartGroupStatuses table stores the available statuses for each chart group.

Columns

Name	Type	Size	IS_NULLABLE
StatusID	int		NO
ChartGroupID	int		NO

LogicalUnitChartStatuses Table

Description

The LogicalUnitChartStatuses table stores information about the status per logical unit.

Columns

Name	Type	Size	IS_NULLABLE
StatusID	int		NO
LogicalUnitID	int		NO
AllowEditingOnLocalWorkstationOnly	bit		NO
BedAssignment	tinyint		NO
AvailableOnAdmission	bit		NO

PROCESSES

This Module

There are sets of tables that are not an integral part of the MetaVision suite. These sets of tables are used internally by the Production Database to run a variety of required processes. These internal processes tables include the following sets of tables:

- Messages Log tables
- Localization tool tables
- Synchronization tables
- Upgrade Log tables
- Offline Processes tables
- Print Driver tables

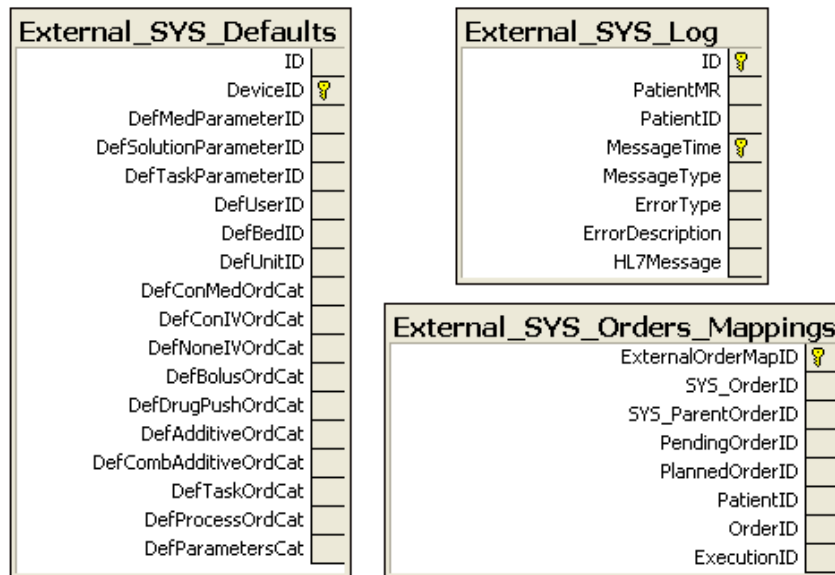
Messages Log Tables

The Messages Log set includes the following tables:

- External_SYS_Defaults
- External_SYS_Log
- External_SYS_Orders_Mappings

The tables in the Messages Log set are linked according to the following schema:

Figure 58. Schema of the Messages Log Tables



External_SYS_Defaults Table

Description

The External_SYS_Defaults table stores defaults for interfacing with external systems (such as third-party order entry systems).

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No
DeviceID	smallint		No
DefMedParameterID	smallint		YES
DefSolutionParameterID	smallint		YES
DefTaskParameterID	smallint		YES
DefUserID	int		YES
DefBedID	smallint		YES
DefUnitID	smallint		YES
DefConMedOrdCat	smallint		YES
DefConIIVOrdCat	smallint		YES
DefNoneIIVOrdCat	smallint		YES
DefBolusOrdCat	smallint		YES
DefDrugPushOrdCat	smallint		YES
DefAdditiveOrdCat	smallint		YES
DefCombAdditiveOrdCat	smallint		YES
DefTaskOrdCat	smallint		YES
DefProcessOrdCat	smallint		YES
DefParametersCat	smallint		YES

External_SYS_Log Table

Description

The External_SYS_Log table stores clinical data and messages (received from external systems) that were deleted after use.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
PatientMR	nvarchar	50	YES
PatientID	int		YES
MessageTime	datetime		No
MessageType	smallint		YES
ErrorType	smallint		YES
ErrorDescription	nvarchar	3500	YES
HL7Message	ntext		YES

External_SYS_Orders_Mappings Table

Description

The External_SYS_Orders_Mappings table saves mappings to external systems (such as third-party order entry systems).

Columns

Name	Type	Size	IS_NULLABLE
ExternalOrderMapID	int		No
SYS_OrderID	int		No
SYS_ParentOrderID	int		No
PendingOrderID	int		No
PlannedOrderID	int		No
PatientID	int		No
OrderID	int		YES
ExecutionID	int		YES

Name	Type	Size	IS_NULLABLE
PrimaryMedicationID	nvarchar		YES

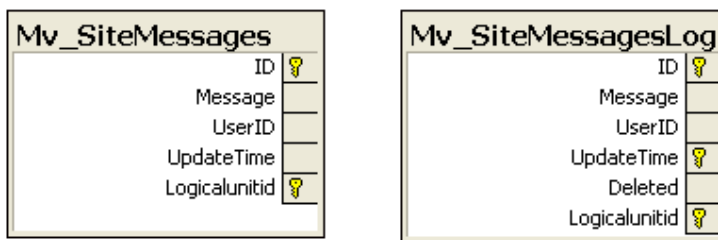
Localization Tool Tables

The Localization tool set includes the following tables:

- Mv_SiteMessages
- Mv_SiteMessagesLog

The tables in the Messages Log set are linked according to the following schema:

Figure 59: Schema of the Localization Tool Tables



Mv_SiteMessages Table

Description

The Mv_SiteMessages table stores the translations done on-site using the Localization tool..

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Message	nvarchar	3950	No
UserID	int		No
UpdateTime	datetime		No
Logicalunitid	int		No

Mv_SiteMessagesLog Table

Description

The Mv_SiteMessagesLog table stores log records of changes made on-site to translations using the Localization tool.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Message	nvarchar	3950	No
UserID	int		YES
UpdateTime	datetime		No
Deleted	bit		YES
Logicalunitid	int		No

Synchronization Tables

The Synchronization set includes only one table:

- Messenger table

Messenger Table

Description

The Messenger table is used to transfer messages between MetaVision clients.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
MessageTime	datetime		No
Action	smallint		No
PatientID	int		YES
Time	datetime		YES
ParameterID	int		YES
TS	timestamp	8	YES
OriginMachine	nvarchar	256	YES

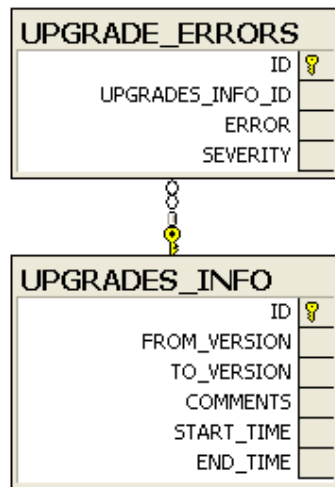
Upgrade Log Tool Tables

The Upgrade Log set includes the following tables:

- UPGRADE_ERRORS
- UPGRADES_INFO

The tables in the Upgrade Log set are linked according to the following schema:

Figure 60. Schema of the Upgrade Log Tables



UPGRADE_ERRORS Table

Description

The UPGRADE_ERRORS table saves the errors occurring during DB upgrades.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
UPGRADES_INFO_ID	int		No
ERROR	nvarchar	3900	No
SEVERITY	smallint		No

UPGRADES_INFO Table

Description

The UPGRADES_INFO table saves information about upgrades performed on the DB.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
FROM_VERSION	nvarchar	50	No
TO_VERSION	nvarchar	50	No
COMMENTS	nvarchar	3800	YES
START_TIME	datetime		No
END_TIME	datetime		YES


Offline Processes Tables

The Offline Processes set includes the following tables:

- DW_References
- UPGRADES_INFO

The tables in the Offline Processes set are linked according to the following schema:

Figure 61. Schema of the Offline Processes Tables

DW_References	
id	
Rtable	
Statement	

OfflinePatientsTablesDependencies	
ID	
NestedLevel	
ChildTable	
ChildFKColumn	
ParentTable1	
ParentPKColumn1	
ChildFKColumn1	
ParentTable2	
ParentPKColumn2	
ChildFKColumn2	
ParentTable3	
ParentPKColumn3	
ChildFKColumn3	
ParentTable4	
ParentPKColumn4	
ChildFKColumn4	
ParentTable5	
ParentPKColumn5	
ChildFKColumn5	
ParentTable6	
ParentPKColumn6	
ChildFKColumn6	
PatientIDColumn	
VersionNo	

DW_References

Description

The DW_References table contains the part of SQL query that concatenates data within the main data transfer query in the offline process. The concatenation of data is performed in order to avoid foreign key violations in the archive (offline) database.

Columns

Name	Type	Size	IS_NULLABLE
id	bigint	8	No
Rtable	nvarchar(255)	510	Yes
Statement	nvarchar(3500)	7000	Yes

OfflinePatientsTablesDependencies

Description

The OfflinePatientsTablesDependencies table contains data from key columns of patients tables that have no PatientID column. This table enables to retain the appropriate links to the Patients table.

Columns

Name	Type	Size	IS_NULLABLE
ID	int	4	No
NestedLevel	int	4	Yes
ChildTable	nvarchar(128)	256	No
ChildFKColumn	nvarchar(128)	256	Yes
ParentTable1	nvarchar(128)	256	Yes
ParentPKColumn1	nvarchar(128)	256	Yes
ChildFKColumn1	nvarchar(128)	256	Yes
ParentTable2	nvarchar(128)	256	Yes
ParentPKColumn2	nvarchar(128)	256	Yes
ChildFKColumn2	nvarchar(128)	256	Yes
ParentTable3	nvarchar(128)	256	Yes

Name	Type	Size	IS_NULLABLE
ParentPKColumn3	nvarchar(128)	256	Yes
ChildFKColumn3	nvarchar(128)	256	Yes
ParentTable4	nvarchar(128)	256	Yes
ParentPKColumn4	nvarchar(128)	256	Yes
ChildFKColumn4	nvarchar(128)	256	Yes
ParentTable5	nvarchar(128)	256	Yes
ParentPKColumn5	nvarchar(128)	256	Yes
ChildFKColumn5	nvarchar(128)	256	Yes
ParentTable6	nvarchar(128)	256	Yes
ParentPKColumn6	nvarchar(128)	256	Yes
ChildFKColumn6	nvarchar(128)	256	Yes
PatientIDColumn	nvarchar(128)	256	Yes
VersionNo	nvarchar(10)	20	Yes

Print Drivers Tables

The Print Drivers tasks set includes one table that is used by MetaVision:

- GenericPrintDriverTasksQueue

GenericPrintDriverTasksQueue Table

Description

The GenericPrintDriverTasksQueue table stores the tasks queue for the Generic Print Driver.

Columns

Name	Type	Size	IS_NULLABLE
ID	int	4	No
LogicalUnitID	int	4	No
ServiceName	nvarchar(60)	120	No
JobID	uniqueidentifier	16	No
PatientID	int	4	No
ReportIdentity	nvarchar(40)	80	No
ReportType	tinyint	1	No
ReportID	uniqueidentifier	16	YES
FormID	uniqueidentifier	16	YES
SessionID	uniqueidentifier	16	YES
NoteID	int	4	YES
HeaderName	nvarchar(60)	120	YES
RegisterTime	datetime	8	No
FromTime	datetime	8	No
ToTime	datetime	8	No
PrintedTime	datetime	8	YES
SentTime	datetime	8	YES
SentMessageID	nvarchar(60)	120	YES
Canceled	bit	1	No
ErrorInfo	nvarchar(2000)	4000	YES

ATTRIBUTES

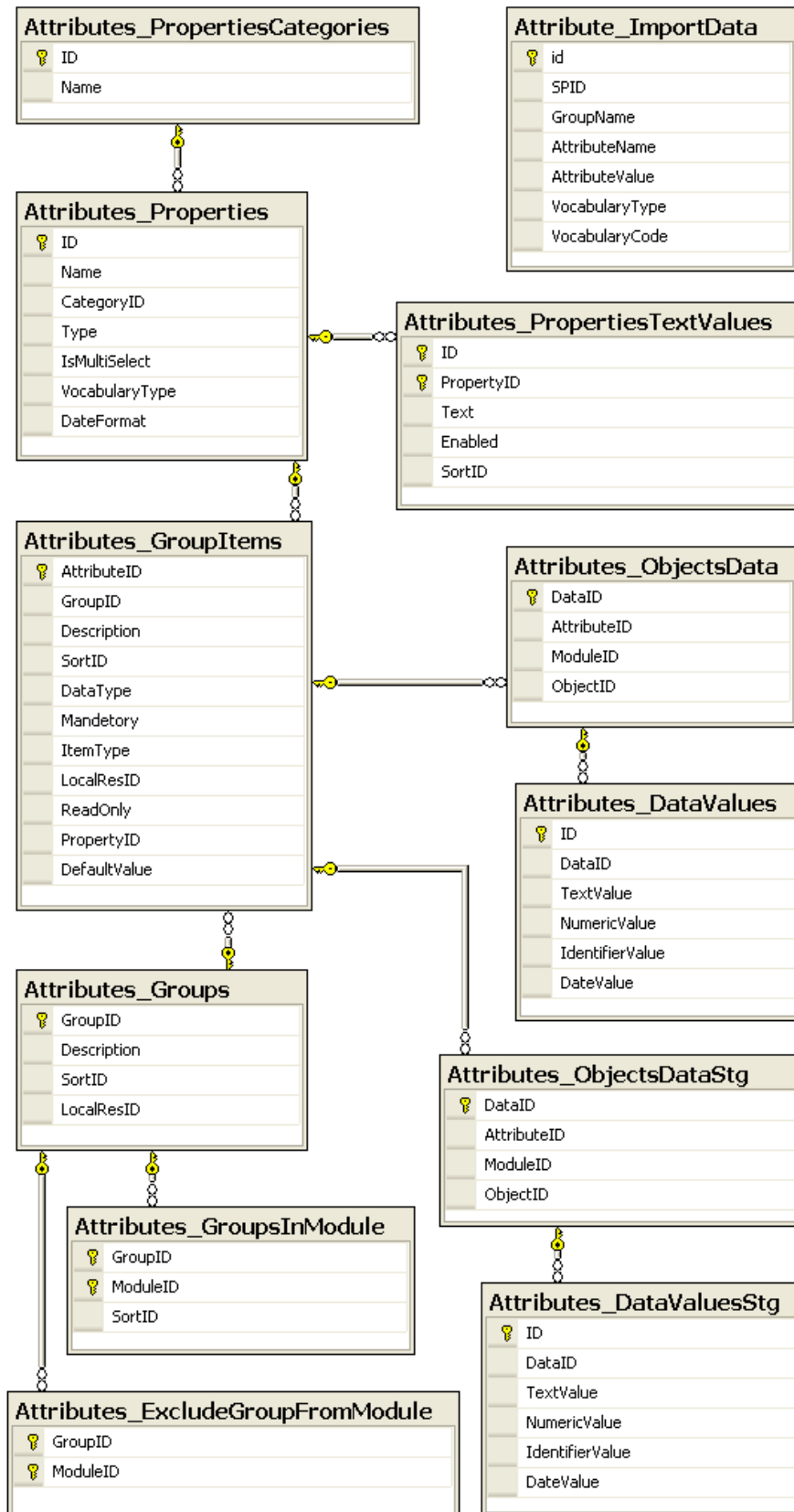
This Chapter

The Attributes module contains the following tables:

- Attributes_DataValues
- Attributes_ExcludeGroupFromModule
- Attributes_GroupItems
- Attributes_Groups
- Attributes_ObjectsData
- Attribute_ImportData
- Attributes_DataValuesStg
- Attributes_GroupsInModule
- Attributes_ObjectsDataStg
- Attributes_Properties
- Attributes_PropertiesCategories
- Attributes_PropertiesTextValues

The tables listed above are linked according to the following schema:

Figure 62. Schema of the Attributes Tables



The Attributes Module Tables

Attributes_DataValues Table

Description

The Attributes_DataValues table stores the values for multi property data.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
DataID	int		NO
TextValue	nvarchar	1	YES
NumericValue	real		YES
IdentifierValue	uniqueidentifier		YES
DateValue	datetime		YES

Attributes_ExcludeGroupFromModule Table

Description

The Attributes_ExcludeGroupFromModule table stores the connection between a customized item and its attributes.

Columns

Name	Type	Size	IS_NULLABLE
GroupID	int		NO
ModuleID	int		NO

Attributes_GroupItems Table

Description

The Attributes_GroupItems table stores the implementation of properties in the attributes.

Columns

Name	Type	Size	IS_NULLABLE
AttributeID	int		NO
GroupID	int		NO
Description	nvarchar	100	NO
SortID	smallint		YES
DataType	smallint		NO
Mandetary	bit		NO
ItemType	int		NO
LocalResID	int		YES
ReadOnly	bit		NO

Attributes_Groups Table

Description

The Attributes_Groups table stores the list of attributes.

Columns

Name	Type	Size	IS_NULLABLE
GroupID	int		NO
Description	nvarchar	100	NO
SortID	smallint		NO
LocalResID	int		YES

Attributes_ObjectsData Table

Description

The Attributes_ObjectsData table stores the values of property data.

Columns

Name	Type	Size	IS_NULLABLE
DataID	int		NO
AttributeID	int		NO
ModuleID	smallint		NO
ObjectID	nvarchar	50	NO

Attribute_ImportData Table

Description

The Attribute_ImportData table contains the XML translate data before import.

Columns

Name	Type	Size	IS_NULLABLE
id	int		No
SPID	int		No
GroupName	nvarchar	100	No
AttributeName	nvarchar	100	No
AttributeValue	nvarchar	MAX	Yes
VocabularyType	nvarchar	50	Yes
VocabularyCode	nvarchar	50	Yes

Attributes_DataValuesStg Table

Description

The Attributes_DataValuesStg table stores the values for multiple Property Data Staging Replicated tables.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
DataID	int		No
TextValue	nvarchar	MAX	Yes
NumericValue	real		Yes
IdentifierValue	uniqueidentifier		Yes
DateValue	datetime		Yes

Attributes_GroupsInModule Table

Description

The Attributes_GroupsInModule table contains information about the associations between attributes and modules in the system.

Columns

Name	Type	Size	IS_NULLABLE
GroupID	int		No
ModuleID	int		No
SortID	smallint		Yes

Attributes_ ObjectsDataStg Table

Description

The Attributes_ObjectsDataStg table stores the values of property data of Staging Replicated table.

Columns

Name	Type	Size	IS_NULLABLE
DataID	int		No
AttributeID	int		No
ModuleID	smallint		No
ObjectID	nvarchar	50	No

Attributes_Properties Table

Description

The Attributes_Properties table contains information about attribute properties.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Name	nvarchar	100	No
CategoryID	int		No
Type	int		No
IsMultiSelect	bit		Yes
VocabularyType	smallint		Yes
DateFormat	smallint		Yes

Attributes_PropertiesCategories Table

Description

The Attributes_PropertiesCategories table contains information about the Attributes' Properties Categories.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Name	nvarchar	100	No

Attributes_PropertiesTextValues Table

Description

The Attributes_PropertiesTextValues table contains information about the Attributes Properties Text Values (for Properties which are of Text Type).

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
PropertyID	int		No
Text	nvarchar	100	No
Enabled	bit		No
SortID	int		Yes

CPT

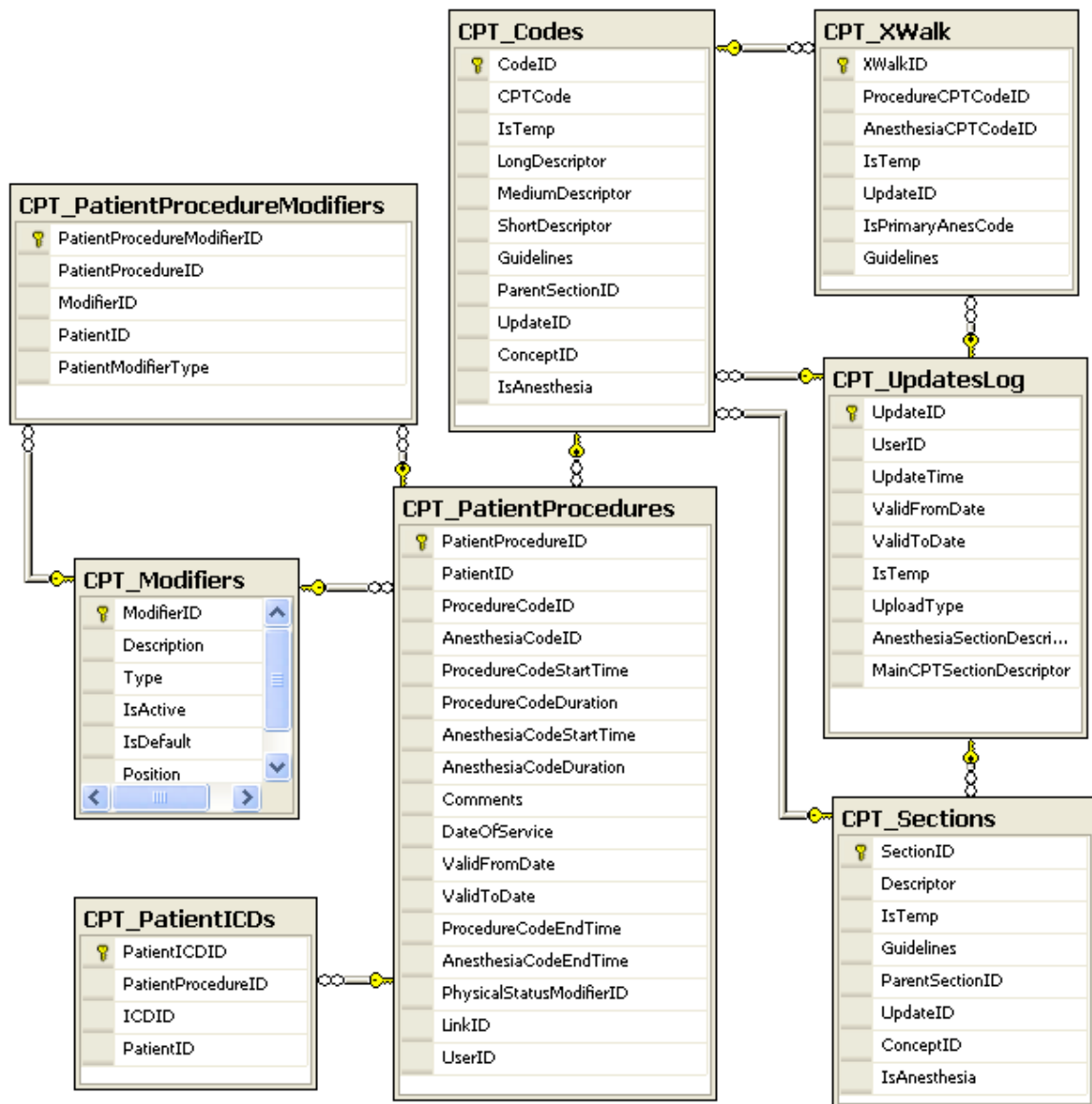
This Chapter

The CPT module contains the following tables:

- CPT Codes
- CPT_Modifiers
- CPT_PatientICDs
- CPT_PatientProcedureModifiers
- CPT_PatientProcedures
- CPT_Sections
- CPT_UpdatesLog
- CPT_XWalk

The tables listed above are linked according to the following schema:

Figure 63. Schema of the CPT Module Tables



The CPT Module Tables

CPT_Codes Table

Description

The CPT_Codes table stores the Procedure and Anesthesia CPT codes.

Columns

Name	Type	Size	IS_NULLABLE
CodeID	int		NO
CPTCode	nvarchar	50	NO
IsTemp	bit		NO
LongDescriptor	nvarchar	2000	NO
MediumDescriptor	nvarchar	255	NO
ShortDescriptor	nvarchar	255	NO
Guidelines	nvarchar	1	YES
ParentSectionID	int		YES
UpdateID	int		NO
ConceptID	nvarchar	50	NO
IsAnesthesia	bit		NO

CPT_Modifiers Table

Description

The CPT_Modifiers table stores the Code, Physical Status, and Qualifying circumstances CPT modifiers.

Columns

Name	Type	Size	IS_NULLABLE
ModifierID	int		NO
Description	nvarchar	255	NO
Type	tinyint		NO

Name	Type	Size	IS_NULLABLE
IsActive	bit		NO
IsDefault	bit		YES
Position	int		NO

CPT_PatientICDs Table

Description

The CPT_PatientICDs table stores a list of ICD-9 IDs related to CPT Patient Procedures.

Columns

Name	Type	Size	IS_NULLABLE
PatientICDID	int		NO
PatientProcedureID	int		NO
ICDID	int		NO
PatientID	int		NO

CPT_PatientProcedureModifiers Table

Description

The CPT_PatientProcedureModifiers table stores the Code, Physical Status, and Qualifying circumstances CPT modifiers IDs related to CPT Patient Procedures.

Columns

Name	Type	Size	IS_NULLABLE
PatientProcedureModifierID	int		NO
PatientProcedureID	int		NO
ModifierID	int		NO
PatientID	int		NO
PatientModifierType	tinyint		YES

CPT_PatientProcedures Table

Description

The CPT_PatientProcedures table stores the CPT Patient Procedures.

Columns

Name	Type	Size	IS_NULLABLE
PatientProcedureID	int		NO
PatientID	int		NO
ProcedureCodeID	int		YES
AnesthesiaCodeID	int		YES
ProcedureCodeStartTime	smalldatetime		YES
ProcedureCodeDuration	int		YES
AnesthesiaCodeStartTime	smalldatetime		YES
AnesthesiaCodeDuration	int		YES
Comments	nvarchar	4000	YES
DateOfService	smalldatetime		NO
ValidFromDate	smalldatetime		NO
ValidToDate	smalldatetime		YES
ProcedureCodeEndTime	smalldatetime		YES
AnesthesiaCodeEndTime	smalldatetime		YES
PhysicalStatusModifierID	int		YES
LinkID	uniqueidentifier		NO
UserID	int		NO

CPT_Sections Table

Description

The CPT_Sections table stores CPT sections.

Columns

Name	Type	Size	IS_NULLABLE
SectionID	int		NO
Descriptor	nvarchar	1900	NO
IsTemp	bit		NO
Guidelines	nvarchar	1	YES
ParentSectionID	int		YES
UpdateID	int		NO
ConceptID	nvarchar	50	NO
IsAnesthesia	bit		NO

CPT_UpdatesLog Table

Description

The CPT_UpdatesLog table stores the records of all the CPT file uploads.

Columns

Name	Type	Size	IS_NULLABLE
UpdateID	int		NO
UserID	int		NO
UpdateTime	smalldatetime		NO
ValidFromDate	smalldatetime		NO
ValidToDate	smalldatetime		YES
IsTemp	bit		NO
UploadType	tinyint		NO
AnesthesiaSectionDescriptor	nvarchar	1900	NO
MainCPTSectionDescriptor	nvarchar	1900	NO

CPT_XWalk Table

Description

The CPT_XWalk table stores the CPT Crosswalk information.

Columns

Name	Type	Size	IS_NULLABLE
XWalkID	int		NO
ProcedureCPTCodeID	int		NO
AnesthesiaCPTCodeID	int		NO
IsTemp	bit		NO
UpdateID	int		NO
IsPrimaryAnesCode	bit		NO
Guidelines	nvarchar	3950	YES

SHOPPING CART

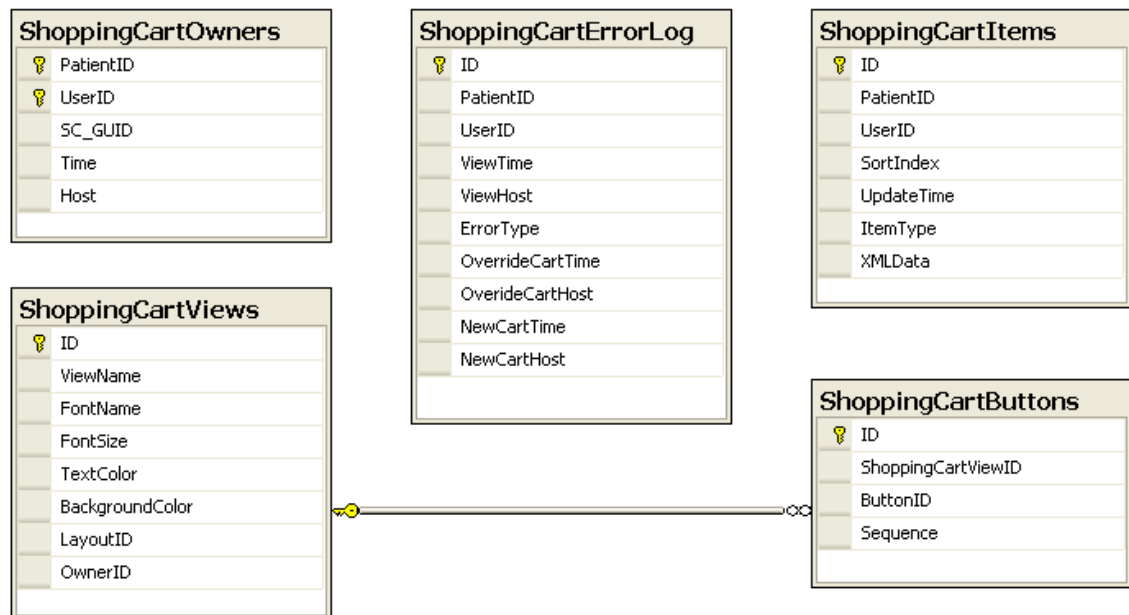
This Chapter

The Shopping Cart module contains the following tables:

- ShoppingCartButtons
- ShoppingCartErrorLog
- ShoppingCartItems
- ShoppingCartOwners
- ShoppingCartViews

The tables listed above are linked according to the following schema:

Figure 64. Schema of the Shopping Cart Module Tables



The Shopping Cart Module Tables

ShoppingCartButtons Table

Description

The ShoppingCartButtons table stores the buttons customized for each Shopping Cart view.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
ShoppingCartViewID	int		NO
ButtonID	int		NO
Sequence	smallint		NO

ShoppingCartErrorLog Table

Description

The ShoppingCartErrorLog table stores a log of errors generated by the Shopping Cart.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
PatientID	int		NO
UserID	int		NO
ViewTime	datetime		YES
ViewHost	nvarchar	255	YES
ErrorType	smallint		NO
OverrideCartTime	datetime		YES
OverrideCartHost	nvarchar	255	YES
NewCartTime	datetime		NO
NewCartHost	nvarchar	255	NO

ShoppingCartItems Table

Description

The ShoppingCartItems table stores the items in the Shopping Cart for all patients that were entered by all users.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
PatientID	int		NO
UserID	int		NO
SortIndex	int		NO
UpdateTime	datetime		NO
ItemType	smallint		NO
XMLData	nvarchar	1	YES

ShoppingCartOwners Table

Description

The ShoppingCartOwners table keeps track of the user that opened (created) the Shopping Cart for a specific patient.

Columns

Name	Type	Size	IS_NULLABLE
PatientID	int		NO
UserID	int		NO
SC_GUID	uniqueidentifier		NO
Time	datetime		NO
Host	nvarchar	255	YES

ShoppingCartViews Table

Description

The ShoppingCartViews table stores the customization information of the various different Shopping Cart views (banners).

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
ViewName	nvarchar	50	NO
FontName	nvarchar	60	YES
FontSize	smallint		YES
TextColor	int		NO
BackgroundColor	int		NO
LayoutID	int		YES
OwnerID	smallint		YES

PERMISSIONS

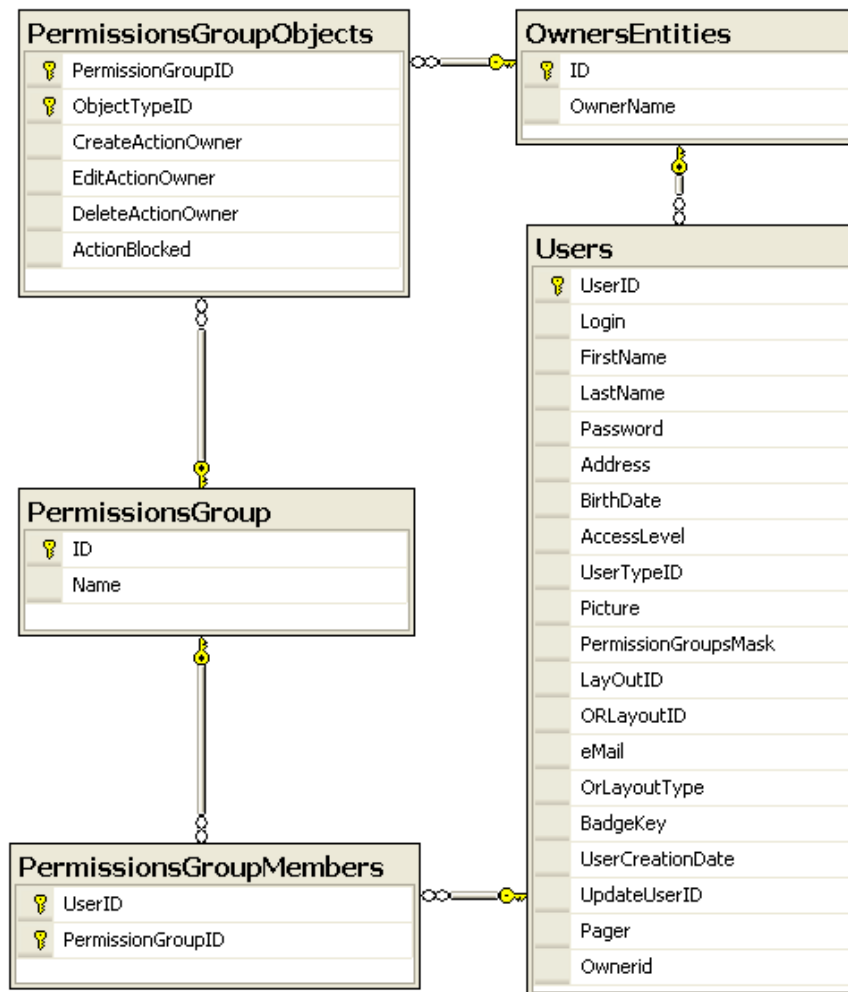
This Chapter

The Permissions module contains the following tables:

- OwnerEntity
- PermissionsGroup
- PermissionsGroupMembers
- PermissionsGroupObjects

The tables listed above are linked according to the following schema:

Figure 65. Schema of the Permissions Tables



The Permissions Module Tables

OwnersEntities Table

Description

The OwnersEntities table stores the OwnerEntity ID - Primary Key.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		NO
OwnerName	nvarchar	100	NO

PermissionsGroup Table

Description

The PermissionsGroup table stores a list of customized permission groups.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		NO
Name	nvarchar	100	NO

PermissionsGroupMembers Table

Description

The PermissionsGroupMembers table stores the affiliation between users and permission groups.

Columns

Name	Type	Size	IS_NULLABLE
UserID	int		NO
PermissionGroupID	smallint		NO

PermissionsGroupObjects Table

Description

The PermissionsGroupObjects table stores the access permission type of objects in the permission group.

Columns

Name	Type	Size	IS_NULLABLE
PermissionGroupID	smallint		NO
ObjectTypeID	int		NO
CreateActionOwner	smallint		YES
EditActionOwner	smallint		YES
DeleteActionOwner	smallint		YES
ActionBlocked	smallint		NO

DEPENDENCIES

This Chapter

The Dependencies module contains tables that are related to the MetaVision Dependencies Viewer tool, which enables viewing the dependencies between the various tables in the MetaVision databases. The tables that enable this module to function include the following:

- vdp_ManualDependencies
- vdp_ManualDependencyItems
- vdp_ManualDependenciesStg
- vdp_ManualDependencyItemsStg

The Dependencies module tables listed above are detailed in the section below.

The Dependencies Module Tables

vdp_ManualDependencies Table

Description

The vdp_ManualDependencies table stores the dependencies objects inserted manually.

Columns

Name	Type	Size	IS_NULLABLE
ContainerID	nvarchar	128	NO
ContainerType	int		NO
ObjectID	nvarchar	128	NO
ObjectType	int		NO
EnteredManually	bit		NO

vdp_ManualDependencyItems Table

Description

The vdp_ManualDependencyItems table stores the dependencies objects inserted manually per item.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
ObjectType	int		NO
FormID	uniqueidentifier		YES
FBScriptID	uniqueidentifier		YES
StatementID	smallint		YES
PatientFileID	int		YES
ReportID	uniqueidentifier		YES
NoteTemplateID	int		YES
ParameterID	smallint		YES

Name	Type	Size	IS_NULLABLE
ButtonID	int		YES
UserTypeID	smallint		YES
UserID	int		YES
LayoutID	int		YES
FBFrameID	uniqueidentifier		YES
OrderListComponentID	smallint		YES
ToolbarID	int		YES
EventViewID	int		YES
GraphViewID	int		YES
ListViewID	int		YES
MBViewID	int		YES
OrderViewID	int		YES
TabularViewID	int		YES
OrdersTimelineViewID	int		YES
EditableOrderListID	int		YES
ShoppingCartViewID	int		YES
TotalIntakeViewID	int		YES
ExternalViewID	int		YES
LogicalUnitID	int		YES
EventID	smallint		YES
OccupancyBedBoardID	int		YES
MemoID	int		YES
IconID	int		YES
GPLID	int		YES
OrderReminderID	int		YES
OrderSetID	int		YES

Name	Type	Size	IS_NULLABLE
OrderListID	int		YES
PreAdmissionMedicationID	smallint		YES
SetEntryID	int		YES
CarePlanTypeID	smallint		YES
CarePlanSetEntryID	int		YES
CPCareProblemID	int		YES
RBScriptID	uniqueidentifier		YES

vdp_ManualDependenciesStg Table

Description

The vdp_ManualDependenciesStg table contains information about the Manual Dependencies of Schedule Reports.

Columns

Name	Type	Size	IS_NULLABLE
ContainerID	nvarchar	128	NO
ContainerType	int		NO
ObjectID	nvarchar	128	NO
ObjectType	int		NO
EnteredManually	bit		NO

vdp_ManualDependencyItemsStg Table

Description

The vdp_ManualDependencyItemsStg table contains information about the Containers in the Manual Dependencies of Schedule Reports.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		NO
ObjectType	int		NO
FormID	uniqueidentifier		YES
FBScriptID	uniqueidentifier		YES
StatementID	smallint		YES
PatientFileID	int		YES
ReportID	uniqueidentifier		YES
NoteTemplateID	int		YES
ParameterID	smallint		YES
ButtonID	int		YES
UserTypeID	smallint		YES
UserID	int		YES
LayoutID	int		YES
FBFrameID	uniqueidentifier		YES
OrderListComponentID	smallint		YES
ToolBarID	int		YES
EventViewID	int		YES
GraphViewID	int		YES
ListViewID	int		YES
MBViewID	int		YES
OrderViewID	int		YES

Name	Type	Size	IS_NULLABLE
TabularViewID	int		YES
OrdersTimelineViewID	int		YES
EditableOrderListID	int		YES
ShoppingCartViewID	int		YES
TotalIntakeViewID	int		YES
ExternalViewID	int		YES
LogicalUnitID	int		YES
EventID	smallint		YES
OccupancyBedBoardID	int		YES
MemorID	int		YES
IconID	int		YES
GPLID	int		YES
OrderReminderID	int		YES
OrderSetID	int		YES
OrderListID	int		YES
PreAdmissionMedicationID	smallint		YES
SetEntryID	int		YES
CarePlanTypeID	smallint		YES
CarePlanSetEntryID	int		YES
CPCareProblemID	int		YES
RBScriptID	uniqueidentifier		YES

PRINT SCHEDULE MANAGER

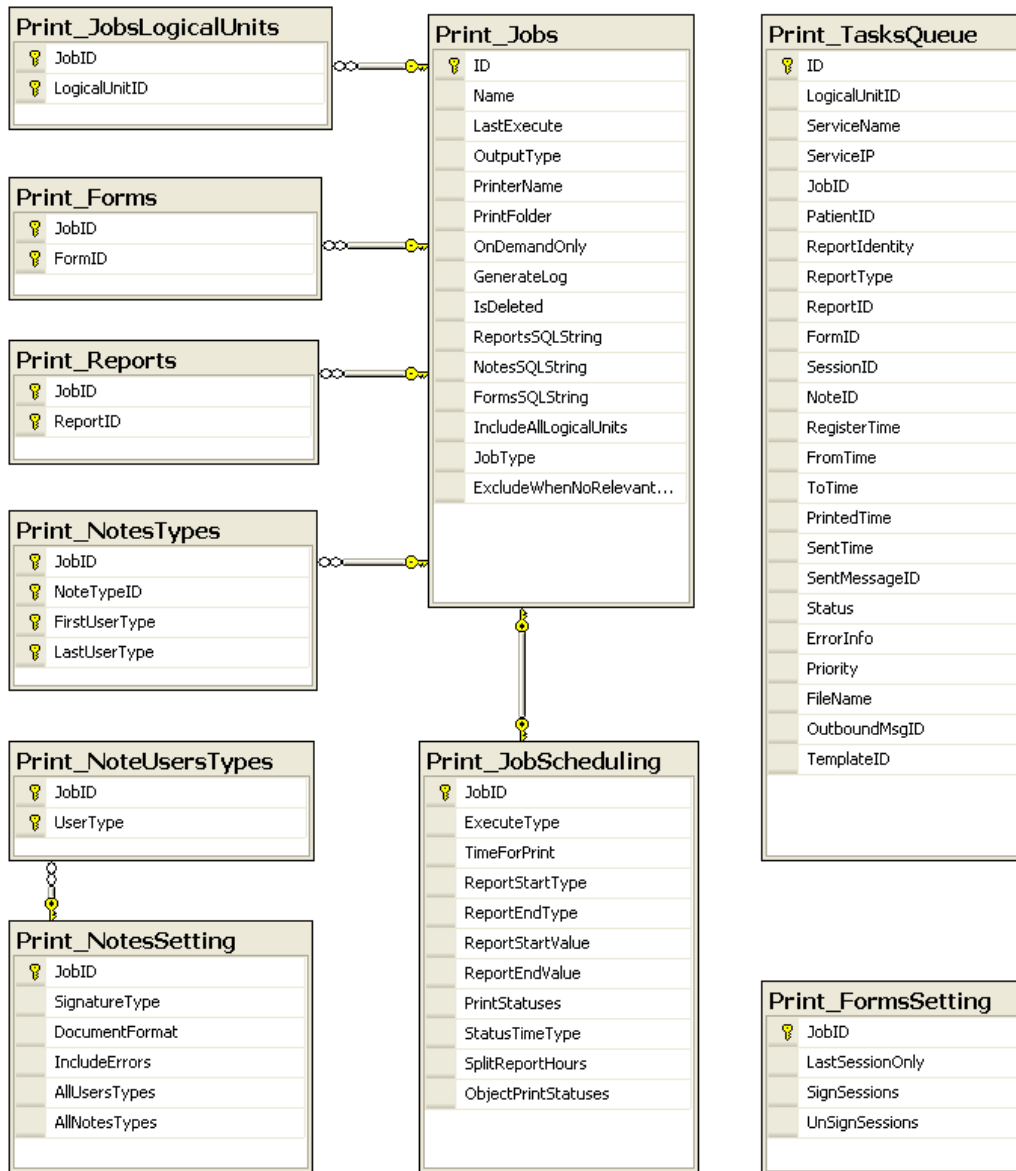
This Chapter

The Print Scheduler Manager module contains tables that are related to the MetaVision Print Schedule Manager driver interface, which enables to set up pre-scheduled and on-demand print jobs of various reports, forms, and notes to printers and PDF generators. The tables that enable this module to function include the following:

- Print_Forms
- Print_FormsSetting
- Print_Jobs
- Print_JobScheduling
- Print_JobsLogicalUnits
- Print_NotesSetting
- Print_NotesTypes
- Print_NoteUsersTypes
- Print_Reports
- Print_TasksQueue

The tables listed above are linked to each other according to the schema diagram pictured below:

Figure 66. The Print Scheduler Manager Module Tables



The Print Scheduler Manager module tables listed above are detailed in the section below.

The Print Scheduler Manager Module Tables

Print_Forms Table

Description

The Print_Forms table contains information about which forms are to be printed, according to job (Print_Jobs Table).

Columns

Name	Type	Size	IS_NULLABLE
JobID	uniqueidentifier		No
FormID	uniqueidentifier		No

Print_FormsSetting Table

Description

The Print_FormsSetting table contains information about the settings with which forms are to be printed, according to job (Print_Jobs Table).

Columns

Name	Type	Size	IS_NULLABLE
JobID	uniqueidentifier		No
SignSessions	bit		No
UnSignSessions	bit		No
LastSessionOnly	bit		No

Print_Jobs Table

Description

The Print_Jobs table contains information about jobs to be printed.

Columns

Name	Type	Size	IS_NULLABLE
ID	uniqueidentifier		No

Name	Type	Size	IS_NULLABLE
Name	nvarchar	100	No
LastExecute	datetime		Yes
OutputType	smallint		No
PrinterName	nvarchar	100	Yes
PrintFolder	nvarchar	100	Yes
OnDemandOnly	bit		Yes
ReportsSQLString	nvarchar	MAX	Yes
NotesSQLString	nvarchar	MAX	Yes
FormsSQLString	nvarchar	MAX	Yes
GenerateLog	bit		No
IsDeleted	bit		No
IncludeAllLogicalUnits	bit		No
JobType	tinyint		No
ExcludeWhenNoRelevantData	bit		No

Print_JobScheduling Table

Description

The Print_JobScheduling table contains information about the scheduling for the jobs to be printed.

Columns

Name	Type	Size	IS_NULLABLE
JobID	uniqueidentifier		No
ExecuteType	tinyint		No
TimeForPrint	datetime		Yes
ReportStartType	tinyint		Yes
ReportEndType	tinyint		Yes

Name	Type	Size	IS_NULLABLE
ReportStartValue	nvarchar	50	Yes
ReportEndValue	nvarchar	50	Yes
PrintStatuses	smallint		Yes
StatusTimeType	tinyint		Yes
SplitReportHours	smallint		Yes
ObjectPrintStatuses	smallint		Yes
PatientStatusStartValue	tinyint		Yes
PatientStatusEndValue	tinyint		Yes
ReportSplitType	tinyint		Yes
SplitReportEveryDateAt	datetime		Yes

Print_JobsLogicalUnits Table

Description

The Print_JobsLogicalUnits table contains information for which logical units a job is relevant.

Columns

Name	Type	Size	IS_NULLABLE
JobID	uniqueidentifier		No
LogicalUnitID	int		No

Print_NotesSetting Table

Description

The Print_NotesSetting table contains information about the settings for notes according to a job..

Columns

Name	Type	Size	IS_NULLABLE
JobID	uniqueidentifier		No
SignatureType	smallint		No

Name	Type	Size	IS_NULLABLE
DocumentFormat	smallint		Yes
IncludeErrors	bit		No
AllUsersTypes	bit		Yes
AllNotesTypes	bit		Yes

Print_NotesTypes Table

Description

The Print_NotesTypes table contains information about which note types are to be printed, according to a job.

Columns

Name	Type	Size	IS_NULLABLE
JobID	uniqueidentifier		No
NoteTypeID	smallint		No
FirstUserType	int		No
LastUserType	int		No

Print_NoteUsersTypes Table

Description

The Print_NoteUsersTypes table contains information about which notes user types are to be printed according to a job.

Columns

Name	Type	Size	IS_NULLABLE
JobID	uniqueidentifier		No
UserType	smallint		No

Print_Reports Table

Description

The Print_Reports table contains information about which reports are to be printed according to a job.

Columns

Name	Type	Size	IS_NULLABLE
JobID	uniqueidentifier		No
ReportID	uniqueidentifier		No

Print_TasksQueue Table

Description

The Print_TasksQueue table contains information about which tasks to be printed..

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
LogicalUnitID	int		No
ServiceName	nvarchar	60	Yes
ServiceIP	nvarchar	20	Yes
JobID	uniqueidentifier		No
PatientID	int		No
ReportIdentity	nvarchar	40	No
ReportType	tinyint		No
ReportID	uniqueidentifier		Yes
FormID	uniqueidentifier		Yes
SessionID	uniqueidentifier		Yes
NoteID	int		Yes
RegisterTime	datetime		No
FromTime	datetime		No

Name	Type	Size	IS_NULLABLE
ToTime	datetime		No
PrintedTime	datetime		Yes
SentTime	datetime		Yes
SentMessageID	nvarchar	60	Yes
Status	tinyint		No
ErrorInfo	nvarchar	2000	Yes
Priority	tinyint		No
FileName	nvarchar	MAX	Yes
OutboundMsgID	uniqueidentifier		Yes
TemplateID	int		Yes

SYSTEM

This Chapter

The System module contains internal system tables that are related to the MetaVision System. The tables that enable this module to function include the following:

- Database_Objects_Properties
- DDL_EventsLog
- Integration_RunTime_Info
- Upgrade_Versions

The tables listed above are linked to each other according to the schema diagram pictured below:

Figure 67. The System Module Tables

Upgrade_Versions <ul style="list-style-type: none"> ID [46_Version] [45_Version] 	Integration_RunTime_Info <ul style="list-style-type: none"> ID MVBS_Entry PropertyName Value
DDL_EventsLog <ul style="list-style-type: none"> LogId ServerName DatabaseName EventType ObjectName ObjectType SqlCommand EventDate LoginName IsSent 	Database_Objects_Properties <ul style="list-style-type: none"> ObjectName TransOrder Type Xtype sWhere

The System module tables listed above are detailed in the section below.

The System Module Tables

Database_Objects_Properties Table

Description

The Database_Objects_Properties table is an internal system table that contains information about properties of the database objects.

Columns

Name	Type	Size	IS_NULLABLE
ObjectName	nvarchar	255	No
TransOrder	int	50	No
Type	smallint		No
Xtype	nvarchar		No
sWhere	nvarchar	4000	Yes

DDL_EventsLog Table

Description

The DDL_EventsLog table is an internal system table for DLL tracking.

Columns

Name	Type	Size	IS_NULLABLE
LogId	int		No
ServerName	nvarchar	256	No
DatabaseName	nvarchar	256	No
EventType	nvarchar	50	No
ObjectName	nvarchar	256	No
ObjectType	nvarchar	25	No
SqlCommand	nvarchar	MAX	No
EventDate	datetime		No
LoginName	nvarchar	256	No
IsSent	bit		No

Integration_RunTime_Info Table

Description

The Integration_RunTime_Info table is an internal system table that stores run time information for MVBS driver interfaces.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
MVBS_Entry	nvarchar	255	No
PropertyName	nvarchar	100	No
Value	nvarchar	MAX	Yes

Upgrade_Versions Table

Description

The Upgrade_Versions table is an internal system table that stores information related to MetaVision version control.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
46_Version	nvarchar	9	No
45_Version	nvarchar	9	Yes

DASHBOARD

This Chapter

The Dashboard module contains tables that are related to the MetaVision Dashboard application. The tables that enable this module to function include the following:

- ContextDefaults
- Contexts
- ContextType
- DashboardLayouts
- PanelEntries
- PanelEntries_ContextEntries
- PanelEntries_Parameters
- PanelEntries_Properties_Values
- PanelTemplate
- PanelTemplate_ContextDictionary
- PatientSet
- PatientSet_Beds
- PatientSetFreeSQL
- PatientSetTypes
- Property

The tables listed above are linked to each other according to the schema diagram pictured below:

The Dashboard Module Tables

ContextDefaults Table

Description

The ContextDefaults table contains information about the default context per logical unit.

Columns

Name	Type	Size	IS_NULLABLE
Context_Key	uniqueidentifier		No
LogicalUnitID	int		No
DefaultValue	nvarchar	MAX	Yes

Contexts Table

Description

The Contexts table contains information about the dashboard contexts (predefined changeable options).

Columns

Name	Type	Size	IS_NULLABLE
Key	uniqueidentifier		No
Name	nvarchar	MAX	Yes
Type	smallint		Yes
Layout_Key	uniqueidentifier		Yes

ContextType Table

Description

The ContextType table contains information about context constant types.

Columns

Name	Type	Size	IS_NULLABLE
ID	smallint		No

Name	Type	Size	IS_NULLABLE
Name	nvarchar	MAX	Yes

DashboardLayouts Table

Description

The DashboardLayouts table contains information about the dashboard layout settings – panel entry.

Columns

Name	Type	Size	IS_NULLABLE
Key	uniqueidentifier		No
Name	nvarchar	MAX	Yes
PanelEntry_Key	uniqueidentifier		Yes
Resource_Key	nvarchar	MAX	Yes

PanelEntries Table

Description

The PanelEntries table stores information on the instance of the panel (implementation of panel template).

Columns

Name	Type	Size	IS_NULLABLE
Key	uniqueidentifier		No
Name	nvarchar	MAX	Yes
PanelTemplate_Key	uniqueidentifier		No
Layout_Key	uniqueidentifier		Yes

PanelEntries_ContextEntries Table

Description

The PanelEntries_ContextEntries table stores information about Context per panel entry.

Columns

Name	Type	Size	IS_NULLABLE
PanelEntries_Key	uniqueidentifier		No
Context_Key	uniqueidentifier		No
ContextDictionary_Key	uniqueidentifier		No

PanelEntries_Parameters Table

Description

The PanelEntries_Parameters table contains relationships between a customization in the Dashboard to parameters (this table is currently not in use).

Columns

Name	Type	Size	IS_NULLABLE
ParameterID	smallint		No
PanelEntry_Key	uniqueidentifier		No

PanelEntries_Properties_Values Table

Description

The PanelEntries_Properties_Values table contains information about Property and its customization value per panel entry.

Columns

Name	Type	Size	IS_NULLABLE
Property_Key	uniqueidentifier		No
PanelEntry_Key	uniqueidentifier		No
Value	image	16	Yes
XMLValue	xml	MAX	Yes

PanelTemplate Table

Description

The PanelTemplate table contains information about templates of panels.

Columns

Name	Type	Size	IS_NULLABLE
Key	uniqueidentifier		No
Name	nvarchar	MAX	Yes
WinFormClassName	nvarchar	MAX	Yes
WebClassName	nvarchar	MAX	Yes
WebClassAssemblyName	nvarchar	MAX	Yes
MappingToolUserControlName	nvarchar	MAX	Yes
MappingToolUserControlAssemblyName	nvarchar	MAX	Yes

PanelTemplate_ContextDictionary Table

Description

The PanelTemplate_ContextDictionary table contains information about the relevant context for panel template.

Columns

Name	Type	Size	IS_NULLABLE
PanelTemplate_Key	uniqueidentifier		Yes
Context_Type	smallint		Yes
Name	nvarchar	MAX	Yes
IsSingle	bit		Yes
ContextDictionary_Key	uniqueidentifier		No

PatientSet Table

Description

The PatientSet table contains information about each Dashboard Pod data.

Columns

Name	Type	Size	IS_NULLABLE
Key	uniqueidentifier		No

Name	Type	Size	IS_NULLABLE
Type	int		No
Name	nvarchar	MAX	No

PatientSet_Beds Table

Description

The PatientSet_Beds table contains the links between Pods and Beds.

Columns

Name	Type	Size	IS_NULLABLE
PatientSet_Key	uniqueidentifier		No
Bed_ID	smallint		No

PatientSetFreeSQL Table

Description

The PatientSetFreeSQL table stores the queries that get Pods information.

Columns

Name	Type	Size	IS_NULLABLE
PatientSet_Key	uniqueidentifier		No
FreeSQL	nvarchar	MAX	Yes

PatientSetTypes Table

Description

The PatientSetTypes table contains the available Pods constant types.

Columns

Name	Type	Size	IS_NULLABLE
ID	int		No
Name	nvarchar	MAX	No

Property Table

Description

The Property table stores the properties available per panel template.

Columns

Name	Type	Size	IS_NULLABLE
Key	uniqueidentifier		No
Name	nvarchar	MAX	Yes
Type	nvarchar	MAX	Yes
Assembly	nvarchar	MAX	Yes
PanelTemplate_Key	uniqueidentifier		No