Surgery 1.0; SurgeryPRE

## Release Date

February, 2015

## Personnel

Hans Nielsen, Richard Pham (CDW Architects)

Trinity Hall DQA

Tracy Smith NSO

# Release Overview

The Surgery domain centers around data extracted from Vista file 130, split vertically into four conceptual groupings. The conceptual groupings are:

SurgeryPRE- contains data relevant to surgical case scheduling and preparation

SurgeryINTRA – contains data captured during a surgical case

SurgeryPOST – contains post-case data, provider notes, and accounting information

SurgeryQIP – Two views; containing data captured as part of the VA’s Surgical Quality Improvement Program

Several fields, considered to be universally required for queries, are included in all split views.

Each conceptual group is a fact table split from file 130 and is released along with its related fact and dimensions.

To find which split a particular fileman field is grouped into, [this excel document](https://vaww.cdw.va.gov/metadata/_layouts/xlviewer.aspx?id=/metadata/Metadata%20Documents/Surgery%201.0/surgery130Split.xlsx&Source=https://vaww.dwh.cdw.portal.va.gov/metadata/default.aspx?RootFolder=%2Fmetadata%2FMetadata%20Documents%2FSurgery%201%2E0&FolderCTID=0x0120007BD83FE7EC890F42B79E1DA11A744B1E&View=%7bB433761E-F7DB-44A1-B313-0CB6D58BE510%7d&DefaultItemOpen=1&DefaultItemOpen=1) is provided for searching on:

* Fileman fieldnumber, Fileman fieldname, CDW fieldname, or conceptual group.

# Schema & Security

The Patient domain uses two schemas for permissions in the CDW:

* Surg: for fact views
* Dim: Dimensions without PII

# Details

Nine views comprise the SurgeryPRE split.

|  |
| --- |
| Surg SurgeryPRE (VistA File #130)  Dim SurgeryDisposition (VistA File #131.6)  Dim OperatingRoom (VistA File #131.7)  Dim OperatingRoomType (VistA File #134)  Dim SurgeryCancelReason (VistA File #135)  Dim PatientMood (VistA File #135.3)  Dim PatientConsciousness (VistA File #135.4)  Dim LocalSurgicalSpecialty (VistA File #137.45)  Dim EventCaptureSpecialty (VistA File #723) |

# Data Quality Issues addressed

Out of 130 Vista sites, there are 9 stations that do not have surgical data and 1 station with 330 records, the majority prior to 10/1/1999. This is an accurate reflection.

# Special note:

Surg.SurgeryPRE.HospitalAdmissionCode (Vista reference filed 130, field .011) had its allowed values changed by the Surgery package patch 182, applied in Dec 2014. The current definition is:

This field indicates the patient's hospital admission status on the date of surgery. Enter "1" or "S" if the operation was same day (the

patient was not admitted); "2" or "A" if the patient was admitted on

the date of surgery; or "3" or "H" if the patient was already

hospitalized on the day prior to the date of surgery.

Surgical cases entered prior to Dec 2014 did not follow this standardized format. CDW has preserved the contents of this field as entered by the site. Questions defining non-standard codes (other than I = inpatient and O = outpatient) must be directed to the originating site.

# ER Diagrams

[ER Diagram for SurgeryPRE](https://vaww.cdw.va.gov/metadata/Reports/Images/SurgeryPRE_285.jpg)

# Metadata Report

[CDW Metadata Page](https://vaww.cdw.va.gov/metadata/default.aspx) and then click on Metadata report.

# CDWWork.Meta Views

Use the following views, available on VHACDWA01 to query the metadata. If there is more than one version of a view (as during the period of transition from 1.0 to 2.0) two instances of The objects will appear in the queries below. In that case one view will be deployed to CDWNext (or RDWNext or VDWNext) while the other one will remain in CDWWork (or RDWWork or VDWWork).

Meta.DWViewV

Example:

select DWViewSchema, DWViewName, FileName, filenumber, fmfiledescription

from CDWWork.Meta.DWViewV

where ERDiagram like 'Surgery%'

order by ERDiagram, DWViewSchema, DWViewName

Meta.DWViewFieldV

Example:

select \*

from CDWWork.Meta.DWViewFieldV

where ERDiagram like 'Surgery%'

order by DWViewSchema, DWViewName

use cdwwork;

--Meta.DWViewForeignKeyV

--Example:

select \* from Meta.DWViewForeignKeyV

where FKViewName = 'surgerypre'

order by FKViewFieldName, FKViewVersion

# CDataProfiling Views

The following views are available on CDWWork and RDWWork databases to give counts.

DP.RecordCountView – counts of records by table, station, fiscal year

[example]

DP.ColumnDiscreteCountView – counts by table, station, fiscal year, selected column, value

[example]

# Other Links:

[CDW Support](https://vaww.cdw.va.gov/Support/SitePages/CDWSupportHome.aspx)

[Q&A forum hosted by VIReC](http://vaww.virec.research.va.gov/Support/HSRData-L.htm)