Prescription Outpatient 3.0

# Personnel and Dates

## Lead Architect

Richard Pham

## Assisting Architect

Ted Fletcher

## Data Steward

Mark Love

## Business Requirements Team

Robert Silverman and Fran Cunningham, and Alan Celestino

## Technical Requirements Team

Robert Silverman and Fran Cunningham, and Alan Celestino

## Governance Board Prioritization Date

2012

## Release Date

29-August-2012

# Description

The requested changes were to change the Cutoff date logic to include NULL date times, and to add more columns dealing with both prescription and prescription fill data.

# New Views

None

# Revised Dimension Views

## Dim.NationalDrug

**Added Columns**

|  |  |
| --- | --- |
| Column | Datatype |
| CMOPTransmitFlag | Char(1) |
| DosageForm (+IEN and SID) | Varchar(50), (Varchar50, int) |
| DrugNameWithoutDoseSID | Int |
| NDCToGCNSeqNo | Varchar(50) |
| PreviousGCNSeqNo | Varchar(50) |
| PrimaryDrugClassSID | Int |
| ProductSource | Varchar(50) |
| VADrugPrintName | Varchar(50) |
| CSFederalSchedule | Varchar(50) |
| VUID | Varchar(50) |
| MasterEntryForVUIDFlag | Char(1) |
| GCNSeqNo | Int |

**Altered Columns**

|  |  |  |  |
| --- | --- | --- | --- |
| Column | Old Datatype | New Datatype | Reasoning |
| DispenseUnit | Varchar(30) | Varchar(50) | Conform to the architectural process. |
| PrimaryDrugClass | Varchar(10) | Varchar(50) | Conform to the architectural process. |
| VAProductIdentifier | Varchar(10) | Varchar(50) | Conform to the architectural process. |
| StrengthNumeric | Decimal(50,4) | Decimal(19,4) | Strength for a drug is smaller than half a google. |

**Deprecated Columns**

None

## Dim.LocalDrug

**Added Columns**

|  |  |
| --- | --- |
| Column | Datatype |
| CMOPID | Varchar(50) |
| CorrespondingInpatientLocalDrug (IEN + SID) | Varchar(100) (varchar(50) + int) |
| CorrespondingOutpatientLocalDrug (IEN + SID) | Varchar(100) (varchar(50) + int) |
| DAW | Int |
| DrugClass (IEN + SID) | Varchar(50) (varchar(50) + int) |
| DrugNameWithoutDose (IEN + SID) | Varchar(100) (varchar(50) + int) |
| NCPDPDispenseUnit |  |
| PharmacyOrderableItem (IEN + SID) | Varchar(50) (varchar(50) + int) |
| QuantityDispensedMessage |  |
| UnitDoseMedicationRoute (IEN + SID) | Varchar(50) (varchar(50) + int) |
| UnitDoseSchedule | Varchar(100) |
| WarningLabel | Varchar(50) |
| WarningMessageList | Varchar(50) |
| UnitDoseScheduleType | Varchar(50) |
| StandardSig | Varchar(100) |
| NCPDPQuantityMultiplier | Varchar(50) |
| NationalFormularyFlag | Char(1) |
| LocalDrugMessage | Varchar(100) |
| DrugClassCode | Varchar(50) |
| DispenseUnit | Varchar(50) |
| DayOrDoseLimit | Varchar(50) |

**Altered Columns**

|  |  |  |  |
| --- | --- | --- | --- |
| Column | Old Datatype | New Datatype | Reasoning |
| BestDrugClass | Varchar(10) | Varchar(50) | Conform to the architectural process. |
| OrderUnit | Varchar(3) | Varchar(50) | Conform to the architectural process. |
| VAClassification | Varchar(10) | Varchar(50) | Conform to the architectural process. |

**Deprecated Columns**

None

# Revised Fact Views

## RxOut.RxOutpat

**Added Columns**

|  |  |  |
| --- | --- | --- |
| Column | Datatype | Comments |
| EnteredByStaffSID | int | Replaces EnteredBySID |
| FinishedByStaffSID | int | Replaces FinishedBySID |
| ArchivedFlag | char(1) |  |
| CosigningStaffSID | int |  |
| CPRSOrderEntryNumber | varchar(50) | NOT a direct pointer to CPRSOrder.CPRSOrder |
| DiscontinueType | varchar(50) |  |
| DrugAllergyFlag | char(1) | ` |
| FinishingDateTime | datetime2(0) |  |
| ForwardRxOutpatSID | bigint |  |
| HoldDate | date |  |
| LastDispensedDate | date |  |
| NextPossibleFillDate | date |  |
| OrderedQuantity | varchar(50) |  |
| PartialPrescriptionFlag | char(1) |  |
| PharmacyOrderableItemSID | bigint |  |
| PriorFillDate | date |  |
| ReprintFlag | char(1) |  |
| TradeLabelName | varchar(50) |  |
| VerifyingStaffSID | Int |  |

**Altered Columns**

|  |  |  |
| --- | --- | --- |
| Column | Datatype | Comments |
| CopayTransaction | Varchar(30) to varchar(50) | Conform to the architectural process. |
| PatientStatus | Varchar(25) to varchar(50) | Conform to the architectural process. |
| RxNumber | Varchar(15) to varchar(50) | Conform to the architectural process. |
| RxStatus | Varchar(30) to varchar(50) | Conform to the architectural process. |

**Deprecated Columns** (to be done November 1st at the earliest)

|  |  |
| --- | --- |
| Column | Comments |
| EnteredBySID | Replaced by EnteredByStaffSID |
| FinishedBySID | Replaced by FinishedByStaffSID |
| OpCode | In SPV |
| VistaEditDate | In SPV |
| VistaCreateDate | In SPV |
| PatientIEN | In SPV |
| ProviderIEN | In SPV |
| EnteredByStaffIEN | In SPV |
| CosigningStaffIEN | In SPV |
| FinishedByStaffIEN | In SPV |
| VerifyingStaffIEN | In SPV |
| LocalDrugIEN | In SPV |
| NationalDrugIEN | In SPV |
| PharmacyOrderableItemIEN | In SPV |
| DivisionIEN | In SPV |
| LocationIEN | In SPV |
| PreviousRxOutpatIEN | In SPV |
| ForwardRxOutpatIEN | In SPV |
| EnteredByIEN | In SPV |
| FinishedByIEN | In SPV |

## RxOut.RxOutpatfill

Additions were made to get data that BISL did not get previously (DispenseDate and others fall into this category), or in certain cases, data was denormalized to not require a join back to RxOut.RxOutpat (RxStatus and ProviderSID among others fall into this category).

**Added Columns**

|  |  |  |
| --- | --- | --- |
| Column | Datatype | Comments |
| BillingEligibility | varchar(50) |  |
| BingoWaitTime | varchar(50) |  |
| CheckingPharmacistStaffSID | int |  |
| ClerkStaffSID | int |  |
| DAWCode | varchar(50) |  |
| DispensedDate | date |  |
| FilledByStaffSID | int |  |
| FillRemarks | varchar(100) |  |
| IBActionSID | bigint | This is a placeholder for column to be added |
| LotNumber | varchar(50) |  |
| Manufacturer | varchar(50) |  |
| ProviderSID | int | From the parent RxOut.RxOutpat |
| RetransmitFlag | char(1) |  |
| ReturnedtoStockDateTime | datetime2(0) |  |
| RxOutpatfillIEN | varchar(50) | This is the IEN from 52, 52.1, or 52.2. It is part of the business key. |

**Modified Columns**

|  |  |  |
| --- | --- | --- |
| Column | Datatype | Comments |
| FillDateTime | smalldatetime to datetime2(0) |  |
| NDC | varchar(50) to varchar(100) |  |
| Qty | varchar(25) to varchar(50) |  |

**Deprecated Columns**

|  |  |
| --- | --- |
| Column | Comments |
| PrescribingDivisionIEN | In SPV |
| ValidatedByStaffIEN | In SPV |
| OpCode | In SPV |
| VistaEditDate | In SPV |
| VistaCreateDate | In SPV |
| PatientIEN | In SPV |
| ProviderIEN | In SPV |
| PharmacySiteIEN | In SPV |
| FilledByStaffIEN | In SPV |
| ValidatedByStaffIEN | In SPV |
| CheckingPharmacistIEN | In SPV |
| LocalDrugIEN | In SPV |
| NationalDrugIEN | In SPV |

## RxOut.RxOutpatMedInstructions

**Deprecated Columns**

|  |  |
| --- | --- |
| Column | Comments |
| PatientIEN | In SPV |
| VistaCreateDate | In SPV |
| OpCode | In SPV |
| VistaEditDate | In SPV |

## RxOut.RxOutpatSig

**Added Columns**

|  |  |  |
| --- | --- | --- |
| Column | Datatype | Comments |
| DeletionComments | varchar(255) |  |
| DrugInteractionAffectedMedication | varchar(255) |  |
| DrugInteractionSeverity | varchar(50) |  |
| HoldComments | varchar(100) |  |
| PatientInstructions | varchar(1600) |  |
| OtherPatientInstructions | varchar(1600) |  |
| PickupMethod | varchar(100) |  |

**Modified Columns**

None

**Deprecated Columns**

|  |  |
| --- | --- |
| Column | Comments |
| PatientIEN | In SPV |
| VistaCreateDate | In SPV |
| OpCode | In SPV |
| VistaEditDate | In SPV |

# Deprecated Views

No existing views are removed. They are modified as described above.

# Dates Columns

## Partition Date

For RxOut.RxOutpat, RxOut.RxOutpatMedInstructions, and RxOut,RxOutpatSig, the partition date is 10/1/1998 (Start of Fiscal Year 1999). RxOut.RxOutpatFill’s partition date is ReleaseDateTime.

## Cutoff Date

The Data Warehouse generally captures only data that was created in the source systems more recently than 10/1/1999. In order to filter records out that were created before this cutoff date, there must be a field in the source file chosen to compare against this cutoff date. For example, the RxOutpatFill table contains records where ReleaseDateTime was 10/1/1999. However, since the parent prescription record, in RxOutpat, could have been created in the year preceding the fill, RxOutpat records were captured with a cutoff date of 10/1/1998. This avoids having “orphaned” fill records without a parent prescription. The cutoff field for the RxOupat table was chosen as IssueDate. Records where IssueDate was null were not captured in the old release.

This release will fix date logic with NULLS. For all tables in the RxOut schema the cutoff logic is now to take all records with an IssueDate past 10/1/1998 **and all records where IssueDate is null**. The inclusion of a NULL cutoff date into the logic is the major change. This will eliminate the odd circumstance where RxOutpat records that were initially captured in the Data Warehouse are not properly updated in the Data Warehouse when the source record was edited such that the IssueDate was removed. Because of the logic change, expect record counts to be different than they were in the previous release, particularly in those early years.

While prescription counts are accurate for FY 1999, **reliably complete counts of prescription fills are only possible after 10/1/1999**. Please do not consider prescription fill counts in 1998 as reliable data.

## New DateTime Transformations

Date and datetime fields are now handled differently (for all DW tables) to accommodate the problem of date values from Vista that cannot be directly transformed to a datetime in SQL Server. Typically there will be two additional fields, XXXDateTimeTransformSID and XXXVistaErrorDate, for every date or datetime. These fields will be NULL for all records except those where there is a transformation required. Please refer to this [CDW Datetime Transformations](https://vaww.cdw.va.gov/metadata/_layouts/WordViewer.aspx?id=/metadata/Metadata%20Documents/DateTimeTransformations.docx&Source=http://vaww.dwh.cdw.portal.va.gov/metadata/default.aspx&DefaultItemOpen=1) document for the explanation of the problem’s context, but here are some sample dates and whether or not they will enter the database:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IssueDate (with imputations) | IssueVistaErrorDate (null if no transformation) | IssueDate  TransformSID | Include  Record? | Comment |
| 10/1/1998 | 2981001 (not shown) | NULL | Yes | This is the cutoff date |
| 09/30/1998 | 2980930 | NULL | No | This is before the cutoff date |
| NULL | 2980931 (shown, this would correspond with 09/31/1998, an impossible date) | 4 | Yes | NULL Vista Date is processed |
| NULL | NULL | NULL | Yes | NULL Vista Date is processed |
| 01/01/1998 | 2980000 (shown, this would translate as 1998) | 2 | No | Imputed date would not be within cutoff date |
| 10/01/1998 | 2981000 (shown, this would translate as October 1998) | 1 | Yes | Imputed date would be on 10/1/1998 or past |
| 09/01/1998 | 2980900 | 1 | No | Imputed date is before 10/1/1998 |

# Data Flow Description and Diagram

Dimensions

1. File 50 becomes Dim.LocalDrug



1. File 50.68 becomes Dim.NationalDrug



1. File 50.605 becomes Dim.DrugClass



**Facts**

There is some transformation that changes the data in the prescription outpatient tables.

File 52 PRESCRIPTION in VistA has all of the prescription information and the first fill in the parent file. Within two separate multiples, there is information regarding refills and partial fills. BISL Staff split the data for each of these tables along conceptual lines.

Data that refers to the prescription itself is drawn from File 52 and placed in RxOut.RxOutpat.



We combine data that refers to fill information from 52 (the original fill – FillType O), 52.1 (the refill – FillType R), and 52.2 (partial fill if necessary – Filltype P) is placed into RxOut.RxOutpatFill. In order to find the original record, the following is necessary. For FillTypes = O, use the RxOutpatIEN. For FillTypes = R, use the RxOutpatIEN at File 52, move to 52.1, and then use the RxOutpatFillIEN as the 52.1 IEN. For FillTypes = P, use RxOutpatIEN at File 52, move to 52.2, and then use the RxOutpatFillIEN as the 52.2 IEN.



Text data from File 52 and the Signatum (Both from File 52 and File 52.04) data is drawn to RxOut.RxOutpatSig.



File 52.0113 is drawn to Rxout.RxOutpatMedInstructions.



# View Creation Statements

USE [CDWWork]

GO

--RxOutpat

CREATE VIEW RxOut.RxOutpat

AS

SELECT

A.RxOutpatSID

, A.RxOutpatIEN

, A.Sta3n

, A.RxNumber

, A.IssueDate

, A.IssueVistaErrorDate

, A.IssueDateTransformSID

, A.IssueDateSID

, A.CancelDate

, A.CancelVistaErrorDate

, A.CancelDateTransformSID

, A.CancelDateSID

, A.FinishingDateTime

, A.FinishingVistaErrorDate

, A.FinishingDateTimeTransformSID

, A.FinishingDateSID

, A.PartialPrescriptionFlag

, A.PatientIEN--Deprecate 11/1/2012 RP

, A.PatientSID

, A.ProviderIEN--Deprecate 11/1/2012 RP

, A.ProviderSID

, A.EnteredByStaffIEN--Deprecate 11/1/2012 RP

, A.EnteredByStaffSID

, A.CosigningStaffIEN--Deprecate 11/1/2012 RP

, A.CosigningStaffSID

, A.FinishedByStaffIEN--Deprecate 11/1/2012 RP

, A.FinishedByStaffSID

, A.VerifyingStaffIEN--Deprecate 11/1/2012 RP

, A.VerifyingStaffSID

, A.LocalDrugIEN--Deprecate 11/1/2012 RP

, A.LocalDrugSID

, D.NationalDrugIEN--Deprecate 11/1/2012 RP

, D.NationalDrugSID

, A.PharmacyOrderableItemIEN--Deprecate 11/1/2012 RP

, A.PharmacyOrderableItemSID

, B.DivisionIEN--Deprecate 11/1/2012 RP

, B.DivisionSID

, C.Sta6a

, A.DiscontinueType

, A.LocationIEN--Deprecate 11/1/2012 RP

, A.LocationSID

, A.PatientStatus

, A.ServiceConnectedFlag

, A.CounseledFlag

, A.UnderstoodFlag

, A.CombatVeteranFlag

, A.MilitarySexualTraumaFlag

, A.AgentOrangeFlag

, A.IonizingRadiationFlag

, A.SWAsiaFlag

, A.HeadNeckCancerFlag

, A.MaxRefills

, A.CopayTransaction

, A.ReprintFlag

, A.DrugAllergyFlag

, A.ArchivedFlag

, A.RxStatus

, A.CPRSOrderEntryNumber

, A.PreviousRxOutpatIEN--Deprecate 11/1/2012 RP

, A.PreviousRxOutpatSID

, A.ForwardRxOutpatIEN --Deprecate 11/1/2012 RP

, A.ForwardRxOutpatSID

, A.LastDispensedDate

, A.LastDispensedVistaErrorDate

, A.LastDispensedDateTransformSID

, A.LastDispensedDateSID

, A.NextPossibleFillDate

, A.NextPossibleFillVistaErrorDate

, A.NextPossibleFillDateTransformSID

, A.NextPossibleFillDateSID

, A.PriorFillDate

, A.PriorFillVistaErrorDate

, A.PriorFillDateTransformSID

, A.PriorFillDateSID

, A.HoldDate

, A.HoldVistaErrorDate

, A.HoldDateTransformSID

, A.HoldDateSID

, A.TradeLabelName

, A.OrderedQuantity

, A.OrderedQuantityNumeric

, A.ETLBatchID --Deprecate 11/1/2012

, A.OpCode--Deprecate 11/1/2012 RP

, A.VistaCreateDate--Deprecate 11/1/2012 RP

, A.VistaEditDate--Deprecate 11/1/2012 RP

, EnteredByStaffIEN AS EnteredByIEN --Deprecate 11/1/2012 RP

, EnteredByStaffSID AS EnteredBySID --Deprecate 11/1/2012 RP

, FinishedByStaffIEN AS FinishedByIEN --Deprecate 11/1/2012

, FinishedByStaffSID AS FinishedBySID --Deprecate 11/1/2012

FROM CDW12.RxOut.RxOutpat\_v071 AS A

LEFT OUTER JOIN CDWWork.Dim.Location AS B

ON A.LocationSID=B.LocationSID

LEFT OUTER JOIN CDWWork.Dim.Division AS C

ON B.DivisionSID=C.DivisionSID

LEFT OUTER JOIN CDWWork.Dim.LocalDrug AS D

ON A.LocalDrugSID = D.LocalDrugSID

WHERE ISNULL(A.OpCode,'') <> 'D';

GO

--RxOut.RxOupatFill

CREATE VIEW RxOut.RxOutpatFill

AS

SELECT RxOutpatFillSID

, A.RxOutpatSID

, A.RxOutpatIEN

, A.RxOutpatFillIEN

, A.Sta3n]

, A.FillType

, A.FillNumber

--Fix the class around this

,CAST(NULL AS VARCHAR(50)) AS [RxStatus]

, A.[PatientIEN] --Deprecate 11/1/2012 RP

, A.[PatientSID]

, A.[ProviderIEN] --Deprecate 11/1/2012 RP

, A.[ProviderSID]

, A.[PharmacistIEN] --Deprecate 11/1/2012 RP

, A.[PharmacistSID]

, A.[LocalDrugIEN] --Deprecate 11/1/2012 RP

, A.[LocalDrugSID]

, B.[LocalDrugNameWithDose]

, B.[NationalDrugIEN] --Deprecate 11/1/2012 RP

, B.[NationalDrugSID]

, C.[DrugNameWithoutDose]

, A.[PrescribingDivisionIEN] --Deprecate 11/1/2012 RP

, A.[PrescribingDivisionSID]

, E.Sta6a AS [PrescribingSta6a]

, A.[IssueDate]

, A.[IssueVistaErrorDate]

, A.[IssueDateTransformSID]

, A.[IssueDateSID]

, A.[LoginDate]

, A.[LoginVistaErrorDate]

, A.[LoginDateTransformSID]

, A.[LoginDateSID]

, A.[FillDateTime]

, A.[FillVistaErrorDate]

, A.[FillDateTimeTransformSID]

, A.[FillDateSID]

, A.[ReleaseDateTime]

, A.[ReleaseVistaErrorDate]

, A.[ReleaseDateTimeTransformSID]

, A.[ReleaseDateSID]

, A.[ExpirationDate]

, A.[ExpirationVistaErrorDate]

, A.[ExpirationDateTransformSID]

, A.[ExpirationDateSID]

, A.[SuspenseHoldDate]

, A.[SuspenseHoldVistaErrorDate]

, A.[SuspenseHoldDateTransformSID]

, A.[SuspenseHoldDateSID]

, A.[DispensedDate]

, A.[DispensedVistaErrorDate]

, A.[DispensedDateTransformSID]

, A.[DispensedDateSID]

, A.[ReturnedToStockDateTime]

, A.[ReturnedToStockVistaErrorDate]

, A.[ReturnedToStockDateTimeTransformSID]

, A.[ReturnedToStockDateSID]

, A.[ValidatedDateTime]

, A.[ValidatedVistaErrorDate]

, A.[ValidatedDateTimeTransformSID]

, A.[ValidatedDateSID]

, A.[ValidatedByStaffIEN] --Deprecate 11/1/2012 RP

, A.[ValidatedByStaffSID]

, A.[Qty]

, A.[QtyNumeric]

, A.[DaysSupply]

, A.[MailWindow]

, A.[UnitPrice]

, A.[CMOPFlag]

, A.[CMOPStatus]

, A.[NDC]

, F.[PharmacySiteIEN] --Deprecate 11/1/2012 RP

, F.[PharmacySiteSID]

, F.[PharmacySiteName]

, A.[FillRemarks]

, A.[Manufacturer]

, A.[LotNumber]

, A.[BillingEligibility]

, A.[BingoWaitTime]

, A.[FilledByStaffIEN] --Deprecate 11/1/2012 RP

, A.[FilledByStaffSID]

, A.[CheckingPharmacistStaffIEN]--Deprecate 11/1/2012 RP

, A.[CheckingPharmacistStaffSID]

, A.[ClerkStaffIEN] --Deprecate 11/1/2012 RP

, A.[ClerkStaffSID]

, A.[DAWCode]

, A.[RetransmitFlag]

-- , A.[IBActionIEN]

-- , A.[IBActionSID]

, A.[ETLBatchID] --Deprecate 11/1/2012

, A.[OpCode] --Deprecate 11/1/2012 RP

, A.[VistaCreateDate] --Deprecate 11/1/2012 RP

, A.[VistaEditDate] --Deprecate 11/1/2012 RP

FROM [CDW12].[RxOut].[RxOutpatFill\_v069] AS A

LEFT OUTER JOIN CDWWork.Dim.LocalDrug AS B

ON A.LocalDrugSID=B.LocalDrugSID

LEFT OUTER JOIN CDWWork.Dim.NationalDrug AS C

ON B.NationalDrugSID=C.NationalDrugSID

LEFT OUTER JOIN CDWWork.Dim.DrugNameWithoutDose AS D

ON C.DrugNameWithoutDoseSID=D.DrugNameWithoutDoseSID

LEFT OUTER JOIN CDWWork.Dim.Division AS E

ON A.PrescribingDivisionSID=E.DivisionSID

LEFT OUTER JOIN CDWWork.Dim.PharmacySite AS F

ON A.PharmacySiteSID=F.PharmacySiteSID

WHERE ISNULL(OpCode,'') <> 'D';

GO

--RxOut.RxOutpatMedInstructions

CREATE VIEW RxOut.RxOutpatMedInstructions

AS

SELECT

A.RxOutpatMedInstructionsSID

, A.RxOutpatSID

, A.RxOutpatIEN

, A.Sta3n

, A.PatientIEN --Deprecate 11/01/2012

, A.PatientSID

, A.InstructionNumber

, A.IssueDate

, A.IssueVistaErrorDate

, A.IssueDateTransformSID

, A.IssueDateSID

, A.DispenseUnits

, A.DoseOrdered

, A.Unit

, A.MedRoute

, A.Schedule

, A.ETLBatchID --Deprecate 11/1/2012

, A.OpCode --Deprecate 11/01/2012

, A.VistaCreateDate --Deprecate 11/01/2012

, A.VistaEditDate --Deprecate 11/01/2012

FROM CDW12.RxOut.RxOutpatMedInstructions\_v052

WHERE ISNULL(OpCode,'') <> 'D';

GO

--RxOutpatSig

CREATE VIEW [RxOut].[RxOutpatSig]

AS

SELECT

A.RxOutpatSID

, A.RxOutpatIEN

, A.Sta3n

, A.PatientIEN --Deprecate 11/1/2012

, A.PatientSID

, A.IssueDate

, A.IssueVistaErrorDate

, A.IssueDateTransformSID

, A.IssueDateSID

, A.Sig

, A.HoldComments

, A.PickupMethod

, A.DrugInteractionAffectedMedication

, A.DrugInteractionSeverity

, A.DeletionComments

, A.PatientInstructions

, A.OtherPatientInstructions

, A.ETLBatchID --Deprecate 11/1/2012

, A.OpCode --Deprecate 11/1/2012

, A.VistaCreateDate --Deprecate 11/1/2012

, A.VistaEditDate --Deprecate 11/1/2012

FROM CDW12.RxOut.RxOutpatSig\_v054

WHERE ISNULL(OpCode,'') <> 'D';

# Links:

[CDW Metadata Page](https://vaww.cdw.va.gov/metadata/default.aspx)

Or more specifically the [Metadata Report](https://vaww.cdw.va.gov/metadata/_layouts/ReportServer/RSViewerPage.aspx?rv:RelativeReportUrl=/metadata/Reports/Metadata%20Report.rdl&Source=http://vaww.cdw.r02.med.va.gov/metadata/Reports/Forms/AllItems.aspx&DefaultItemOpen=1)

[CDW Query Best Practices](https://vaww.cdw.va.gov/metadata/_layouts/WordViewer.aspx?id=/metadata/Metadata%20Documents/CDW%20Query%20Best%20Practices.docx&Source=http://vaww.dwh.cdw.portal.va.gov/metadata/default.aspx&DefaultItemOpen=1)

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

# Sample Queries

--Looking at Dim.LocalDrug for Atovastatin

--From the local drug (what is at local stations)

--Develop this query by repeated examinations of query results

SELECT LocalDrugSID

INTO #LocalDrugAtorvastatin

FROM CDWWork.Dim.LocalDrug

WHERE (LocalDrugNameWithDose LIKE '%ATORVASTATIN%' or

LocalDrugNameWithDose like '%Lipitor%')

and LocalDrugNameWithDose not like '%Placebo%'

and LocalDrugNameWithDose not like '%Study%'

and LocalDrugNameWithDose not like 'Amlodipine%'

and LocalDrugSID not in (800183583, 430938)

;

DECLARE @YearAgo AS DATETIME=DATEADD(YEAR, -1, GETDATE())

;

--From the list previously developed, join to the fact table

SELECT B.RxNumber, B.IssueDate

FROM #LocalDrugAtorvastatin AS A

INNER JOIN RxOut.RxOutpat AS B

ON A.LocalDrugSID=B.LocalDrugSID

WHERE IssueDate > @YearAgo --IssueDate is the Partition Date

;

--From the national drug/Drug Name Without Dose

--National Drug is the aggregation from the federated dataset.

--First, find the object of interest in dimensions

SELECT NationalDrugSID

INTO #NationalDrugAtorvastatin

FROM Dim.NationalDrug AS Z

INNER JOIN CDWWork.Dim.DrugNameWithoutDose AS Y

ON Z.DrugNameWithoutDoseSID=Y.DrugNameWithoutDoseSID

WHERE Y.DrugNameWithoutDose = 'ATORVASTATIN'

--Examine results and add more criteria

;

DECLARE @YearAgo AS DATETIME=DATEADD(YEAR, -1, GETDATE())

;

--From the list previously developed, join to the fact table

SELECT B.RxNumber, B.IssueDate

FROM #NationalDrugAtorvastatin AS A

INNER JOIN RxOut.RxOutpat AS B

ON A.NationalDrugSID=B.NationalDrugSID

WHERE IssueDate > @YearAgo --IssueDate is the Partition Date

;

--Joins to the fill fact table are no longer necessary for ProviderSID

SELECT A.StaffName, B.LocalDrugNameWithDose

FROM SStaff.SStaff AS A

INNER JOIN RxOut.RxOutpatFill AS B

ON A.StaffSID=B.ProviderSID

WHERE ReleaseDateTime >= DATEADD(YEAR, -1, GETDATE())

--ReleaseDate is the Partition Date

--AND more criteria

;

--New Expanded Instructions From RxOutpatSig

SELECT TOP 10 PatientInstructions, OtherPatientInstructions

FROM Rxout.RxOutpatSig

WHERE OtherPatientInstructions is not null

/\* Careful! PharmacyOrderableItem recorded with the prescription

can be different from the one associated with the drug

\*/

select top 100

A.RxOutpatSID

, A.PharmacyOrderableItemSID as PrescriptionItemSID

, C.PharmacyOrderableItem as PrescriptionItem

, B.PharmacyOrderableItemSID as AssocWithDrugItemSID

, B.PharmacyOrderableItem as AssocWithDrugItem

from RxOut.RxOutpat AS A

join Dim.LocalDrug AS B

on A.LocalDrugSID=B.LocalDrugSID

join Dim.PharmacyOrderableItem AS C

on A.PharmacyOrderableItemSID=C.PharmacyOrderableItemSID

where A.PharmacyOrderableItemSID<> B.PharmacyOrderableItemSID

;