Patient Release 2.0

## Release Date

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## Personnel

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# Release Overview

Patient Release 2.0 retains all the data of Patient 1.0 while adding several enhancements and additional related tables.

* SPatient & Patient include Military hazard information
* Geospatial information has been added to the SPatient addresses
* Means Test information has been added to the domain

# Schema & Security

The Patient domain uses four schemas:

* SPatient for views containing protected Personally Identifying Information (PII). Privileged permissions required
* Patient: No PII
* PatSub: Fact tables which do not contain PII
* Dim: Dimensions without PII

# Details

19 views comprise this iteration of the Patient domain. The following views have been changed.

* Patient.Patient
* SPatient.SPatient
* PatSub.PatientEthnicity
* PatSub.PatientRace
* PatSub.PatientServicePeriod
* Dim.Race
* Dim.Ethnicity
* Dim.CollectionMethod

These views have been added to the domain:

* PatSub.MeansTest
* PatSub.MilitarySexualTrauma
* Dim.Country
* Dim.LTCCoPayExcemption
* Dim.MeansTestStatus
* Dim.MeansTestStatusDescription
* Dim.MeansTypeOfTest
* Dim.PeriodOfService
* Dim.POWLocation
* Dim.SourceOfIncomeTest

The following views are unchanged from Patient Release 1.0 but included in this document for completeness.

* Spatient.SPatientAddress

# Geocoded fields in SPatient.SPatient

SPatient contains several fields which result from the geocoding of the primary patient address. These fieldnames have the prefix of ‘GIS’. They are populated based on what data is available from the Geospatial Information System (GIS). For instance:

About 3-4% of the patient rows legitimately have NULLs for FIPS and Congressional District. Here is the explanation from the GIS team: The intersection process only returns records whose lat/long values fall within either a county or congressional district. If the record has a NULL value for either of those columns it means that record did not intersect one of the layers.

Since Geocoding is a post-load process, a change in a patient’s address will not have an immediately available, accurate geocoding. Since this process may lag behind the table loading, the GISMatched Address can be used to verify that the primary address and geocoded information are the same.

The values of SPatient.SPatientAddress are not geocoded.

# Data Quality Issues addressed

Dim.POWLocation has a large number of null values in PeriodOfServiceSID. This field is often left unpopulated in the data source (null PeriodOfServiceIEN) and cannot be matched to a value in the PeriodOfService dimension.

SPatient.SPatient has ~3% of records without a Zip4 value from the data source. CDW does not correct an omission from the data source.

SPatient.SPatientAddress ~70% of records have null values in the Zip4 column. CDW does not correct an omission from the data source.

# Changes

No views from Patient 1.0 were removed completely although many were substantially changed. A complete list of the field additions, removals and changes is shown in [Patient Delta from 1.0 to 2.0.](https://vaww.cdw.va.gov/metadata/Metadata%20Documents/Patient%202.0/PatientDeltaFrom1.0to2.0.xlsx)

# Data Flow Description and Diagram

This graphic shows how data is transformed from the source files to visible views

[PatientTransform](https://vaww.cdw.va.gov/metadata/Metadata%20Documents/Patient%202.0/Patient%20Transforms.pdf)

# ER Diagrams

[ER Diagram for Patient Release](https://vaww.cdw.va.gov/metadata/Metadata%20Documents/Patient%202.0/Patient%202.0.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 ERDiagram, DWViewSchema, DWViewName, DWPartitionKey, DWTableStatus, FileNumber, FileName

from CDWWork.Meta.DWViewV

where ERDiagram like 'Patient%'

order by ERDiagram, DWViewSchema, DWViewName

Meta.DWViewFieldV

Example:

select \*

from CDWWork.Meta.DWViewFieldV

where ERDiagram like 'Patient%'

and DWViewName = ''

order by DWViewSchema, DWViewName

Meta.DWViewForeignKeyV

Example:

select \* from Meta.DWViewForeignKeyV

where FKViewName = ''

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)