Questions and Answers for DSVA

Questions

We were wondering if user research and speaking with VSRs was ever done and if so, could we talk about your findings?

Our research was investigative in nature — we have artifacts from our processes that we could provide, although they’re mostly around constructing UI in the form of checklists for criteria for evaluation. These materials were produced using HCD design exploration with former RVSRs. Most of our learnings from *last* contract are more about general processes for rating, and not specific to Hypertension — but would still be valuable for review. Definitely happy to discuss findings in a meeting.

Some key notes we captured from RVSR SMEs regarding the evidence used to adjudicate claims for 7101. Note: This information was captured from our work a couple years ago:

* Hypertension or isolated systolic hypertension must be confirmed by readings taken two or more times on at least three different days. For purposes of this section, the term hypertension means that the diastolic blood pressure is predominantly 90mm. or greater, and isolated systolic hypertension means that the systolic blood pressure is predominantly 160mm. or greater with a diastolic blood pressure of less than 90mm
* Evaluate hypertension due to aortic insufficiency or hyperthyroidism, which is usually the isolated systolic type, as part of the condition causing it rather than by a separate evaluation
* Evaluate hypertension separately from hypertensive heart disease and other types of heart disease

Would you be able to run us through the data you've been looking at to see what is available and how it is being used to determine if a case is hypertension or something else?

We wrote a stored procedure in CDW that queries the data relevant for rating hypertension. The stored procedure exists in VBHA\_AVD workgroup, so it can be run using

* **EXECUTE** [VBA\_AVD].[Dflt].[IDRC\_BloodPressure] @Icn=:icn
  + Where icn is the Patient ICN number

In this stored procedure, we looked at the following tables in CDWWork:

* [CDWWork].[Vital].[VitalSign]
* [CDWWork].[Dim].[VitalType]
* [CDWWork].[SPatient].[SPatient]
* [CDWWork].[Dim].[VistaSite]

For specific details about the stored procedure, please take a look at the **WHERE** clause in the query in section Blood Pressure SQL.

Blood Pressure SQL

Below is the full query in the stored procedure [VBA\_AVD].[Dflt].[IDRC\_BloodPressure]:

**IF** object\_id('Dflt.IDRC\_BloodPressure', 'p') **IS** NULL

EXEC ('CREATE PROCEDURE Dflt.IDRC\_BloodPressure AS SELECT 1')

**GO**

**ALTER** **PROCEDURE** Dflt.IDRC\_BloodPressure

@Icn varchar(50)

**AS**

**BEGIN**

**SET** NOCOUNT **ON**;

**SELECT**

vistaSite.[Sta3n] **AS** stationNumber,

vistaSite.[facility] **AS** facility,

vital.[Systolic] **AS** systolic,

vital.[Diastolic] **AS** diastolic,

**FORMAT**(vital.[VitalSignTakenDateTime], 'yyyy-MM-dd HH\:mm') **AS** datetime

**FROM**

[CDWWork].[Vital].[VitalSign] vital,

[CDWWork].[Dim].[VitalType] vitalType,

[CDWWork].[SPatient].[SPatient] patient,

[CDWWork].[Dim].[VistaSite] vistaSite

**WHERE**

patient.[PatientICN] = @Icn **AND**

vistaSite.[Sta3n] = patient.[Sta3n] **AND**

vital.[Sta3n] = patient.[Sta3n] **AND**

vital.[PatientSID] = patient.[PatientSID] **AND**

vitalType.[VitalType] **like** 'BLOOD PRESSURE' **AND**

vitalType.[Sta3n] = vital.[Sta3n] **AND**

vital.[VitalTypeSID] = vitalType.[VitalTypeSID] **AND**

(vital.[EnteredInErrorFlag] **IS** NULL **OR** vital.[EnteredInErrorFlag] != 'Y') **AND**

vital.[VitalSignTakenDateTime] >= **DATEADD**(yy, -1, SYSDATETIME())

**ORDER** **BY**

vital.[VitalSignTakenDateTime] **DESC**

**END**

**GO**