Prenatal Care Module

(BJPN)

Supplement: EHR Optimization for Prenatal Care

Version 1.0
March 2013
## Table of Contents

1.0 **Introduction** ......................................................................................................... 1
   1.1 EHR GUI Layout Examples .................................................................................. 1
   1.1.1 Panel ............................................................................................................. 1
   1.1.2 Chief Complaint, Measurements, and Reproductive Factors ....................... 2
   1.1.3 Lab Tab with Preconfigured Worksheet ...................................................... 3
   1.1.4 Enter POV and Patient Ed Using Pick Lists ................................................ 4
   1.1.5 Prenatal Health Summary Button and Order Tab Displayed Concurrently ... 5
   1.1.6 Quick Notes – Shortcut to Note Title/Template ........................................... 6
   1.1.7 Sample Reminder Dialog Displayed ............................................................. 8

2.0 **Vital Entry and Display Configuration** ............................................................. 10
   2.1 Vital Entry ......................................................................................................... 10
   2.2 Cover Sheet Vital Display ................................................................................ 12

3.0 **Lab Worksheet Configuration** ......................................................................... 16

4.0 **Order Menu** ....................................................................................................... 19

5.0 **Health Summary Tool Configuration** .............................................................. 21
   5.1 Creating Flowsheet in IHS Health Summary .................................................. 21
   5.1.1 Example ...................................................................................................... 21
   5.1.2 Instructions ................................................................................................. 22
   5.1.3 Viewing Flowsheets and Other Components in Adhoc Health Summary .... 24
   5.2 Creating Health Summaries for 1st, 2nd, and 3rd Trimester ................................ 26
   5.2.1 Enabling VA Health Summary Components ............................................. 27
   5.2.2 Instructions for Prenatal 1st Trimester Summary ......................................... 28
   5.2.3 Instructions for Prenatal 2nd and 3rd Trimester summary ........................... 33
   5.2.4 Example ...................................................................................................... 36

6.0 **Create Health Summary Buttons on the EHR Panel** ....................................... 39
   6.1 Find the IEN of the VA Health Summary ....................................................... 39
   6.2 Configure the Health Summary Button ......................................................... 39

7.0 **Creating a TIU Object from VA Health Summary Types** ................................ 43

8.0 **Quick Note** ........................................................................................................ 46
   8.1 Access to quick note configuration ................................................................. 46
   8.2 Adding Quick Note to EHR ............................................................................ 46
   8.3 Creating a Quick Note .................................................................................... 47
   8.4 Using Quick Note ........................................................................................... 50
   8.5 Sample Reminder Dialog Template ............................................................... 52

Acronym List ................................................................................................................... 54

Contact Information ...................................................................................................... 55
1.0 Introduction

This guide will provide the Clinical Applications Coordinator (CAC) tools to optimize the Electronic Health Record (EHR) Graphical User Interface (GUI) for Prenatal Care. Optimizations include exposure of pregnancy-related measurements on the vital entry and cover sheet vital display components, creation of Health Summary flowsheets and Veterans Affairs (VA) Health Summary as Health Summary Buttons, Text Integration Utilities (TIU) Objects for ease of review, and documentation and configuration of Quick Notes.

1.1 EHR GUI Layout Examples

1.1.1 Panel

Figure 1-1 shows a panel with:

- Shortcuts to customized health summaries
- Quick launch of obstetrics (OB) note with template

Figure 1-1: EHR panel displaying shortcuts
1.1.2 Chief Complaint, Measurements, and Reproductive Factors

![Figure 1-2: Reproductive Factors and Chief Complaints](image)
1.1.3 Lab Tab with Preconfigured Worksheet

Figure 1-3: Sample Lab tab
1.1.4 Enter POV and Patient Ed Using Pick Lists

Figure 1-4: Sample Pick Lists
1.1.5 Prenatal Health Summary Button and Order Tab Displayed Concurrently

Because the reports launched from the Health Summary buttons on the toolbar overlay other page contents, the clinician may review this document while working through the chart.
1.1.6 Quick Notes – Shortcut to Note Title/Template

Figure 1-7: Sample EHR Shortcut Buttons

Click the Quick Notes button then Double click the Quick Note Selection.

Figure 1-8: Quick Note Selector

This opens predefined Note Title and Template.
Figure 1-9: Sample predefined Note Title and Template
1.1.7 Sample Reminder Dialog Displayed

Figure 1-10: Sample Reminder dialog

Brief SOAP
Figure 1-11:

Order by weeks gestation.
2.0 Vital Entry and Display Configuration

Vital entry and display can be configured at the System, Division, Location, Service, Class, and User locations. Consider where and when obstetrical measurements will be entered and where they should be viewed. It may be appropriate to add some obstetrical measurements for data entry to some but not all locations but display all for the system level. This will be site specific.

The following measurements are available for pregnancy (in addition to all other measurements):

- Abdominal girth (pregnancy)
- Cervical dilatation
- Edema
- Effacement
- Estimated Gestational Age
- Fetal Heart Tones
- Fundal Height
- Presentation
- Station

2.1 Vital Entry

Resource and Patient Management System (RPMS) Mast Configuration menu > VIT > TPL

This option will configure the vital entry dialog that is displayed for the user. This is not cumulative so you must add each measurement you want to display as this will override the higher level settings (i.e. System).

**Tip:** Only expose the obstetrical measurements on the vital entry template to the clinicians who perform these measurements. This will reduce clutter for the majority of users. Consider making a TIU User Class of “OB Clinicians” and place the individuals into this class and configure the User Class Level.

Data Entry Templates

Vital Measurement Input Template may be set for the following:

<table>
<thead>
<tr>
<th>Type</th>
<th>Code</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>User</td>
<td>USR</td>
<td>[choose from NEW PERSON]</td>
</tr>
<tr>
<td>Class</td>
<td>CLS</td>
<td>[choose from USR CLASS]</td>
</tr>
<tr>
<td>Service</td>
<td>SRV</td>
<td>[choose from SERVICE/SECTION]</td>
</tr>
</tbody>
</table>
Select USER CLASS: OB CLINICIANS

----- Setting Vital Measurement Input Template for User Class: OB CLINICIANS -----

Select Sequence: 5
Are you adding 5 as a new Sequence? Yes//YES

Sequence: 5//5
Measurement: HT

Select Sequence: 10
Are you adding 10 as a new Sequence? Yes//YES

Sequence: 10//10
Measurement: WT

Select Sequence: 15
Are you adding 15 as a new Sequence? Yes//YES

Sequence: 15//15
Measurement: BP
  1 BP
  2 BPF
CHOOSE 1-2: 1 BLOOD PRESSURE

Select Sequence: 20
Are you adding 20 as a new Sequence? Yes//YES

Sequence: 20//20
Measurement: PU

Select Sequence: 25
Are you adding 25 as a new Sequence? Yes//YES

Sequence: 25//25
Measurement: RESPIRATIONS

Select Sequence: 30
Are you adding 30 as a new Sequence? Yes//YES

Sequence: 30//30
Measurement: PA

Select Sequence: 35
Are you adding 35 as a new Sequence? Yes//YES

Sequence: 35//35
Measurement: O2
  1 O2
  2 O2
CHOOSE 1-2: 1 02 SATURATION

Select Sequence: 40
Are you adding 40 as a new Sequence? Yes//YES

Sequence: 40//40
Measurement: PF

Select Sequence: 45
Are you adding 45 as a new Sequence? Yes//YES

Sequence: 45//45
Measurement: FH

Select Sequence: 50
Are you adding 50 as a new Sequence? Yes//YES
Sequence: 50// 50
Measurement: FETAL HEART TONES
Select Sequence: 55
Are you adding 55 as a new Sequence? Yes// YES

Sequence: 55// 55
Measurement: ED
Select Sequence:

Check your work in the General Parameters menu (XPAR) using the List Values option.

**Values for BEHOVM TEMPLATE**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Instance</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>USER CLASS: OB CLINICIAN</td>
<td>5</td>
<td>HEIGHT</td>
</tr>
<tr>
<td>USER CLASS: OB CLINICIAN</td>
<td>10</td>
<td>WEIGHT</td>
</tr>
<tr>
<td>USER CLASS: OB CLINICIAN</td>
<td>15</td>
<td>BLOOD PRESSURE</td>
</tr>
<tr>
<td>USER CLASS: OB CLINICIAN</td>
<td>20</td>
<td>PULSE</td>
</tr>
<tr>
<td>USER CLASS: OB CLINICIAN</td>
<td>25</td>
<td>RESPIRATIONS</td>
</tr>
<tr>
<td>USER CLASS: OB CLINICIAN</td>
<td>30</td>
<td>PAIN</td>
</tr>
<tr>
<td>USER CLASS: OB CLINICIAN</td>
<td>35</td>
<td>02 SATURATION</td>
</tr>
<tr>
<td>USER CLASS: OB CLINICIAN</td>
<td>40</td>
<td>PEAK FLOW</td>
</tr>
<tr>
<td>USER CLASS: OB CLINICIAN</td>
<td>45</td>
<td>ESTIMATED GESTATIONAL AGE</td>
</tr>
<tr>
<td>USER CLASS: OB CLINICIAN</td>
<td>50</td>
<td>FUNDAL HEIGHT</td>
</tr>
<tr>
<td>USER CLASS: OB CLINICIAN</td>
<td>55</td>
<td>FETAL HEART TONES</td>
</tr>
<tr>
<td>USER CLASS: OB CLINICIAN</td>
<td>60</td>
<td>EDEMA</td>
</tr>
</tbody>
</table>

### 2.2 Cover Sheet Vital Display

RPMS Master Configuration menu > VIT > CVR

This option will configure the cover sheet measurement list that is displayed for the user. This is not cumulative; add each measurement to display as this will override the higher level settings. Recommend displaying all measurements for system level in most cases. Only the most recent will display and if male, the patient would never have an obstetrical measurement.

**Tip:** Display the obstetrical measurements at the system level (or whatever level is set for your sheet display for your clinical users). This information is valuable to more than just obstetrical providers.

**Measurement Listed on Cover Sheet**

<table>
<thead>
<tr>
<th>Vital signs list for cover sheet may be set for the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 User USR [choose from NEW PERSON]</td>
</tr>
<tr>
<td>200 Class CLS [choose from USR CLASS]</td>
</tr>
<tr>
<td>300 Service SRV [choose from SERVICE/SECTION]</td>
</tr>
</tbody>
</table>
Enter selection: System YAKIMA-HC.PRT.IHS.GOV

Setting Vital signs list for cover sheet for System: YAKIMA-HC.PRT.IHS.GOV
Select Sequence: ? check what the system level settings are

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>HEIGHT</td>
</tr>
<tr>
<td>20</td>
<td>WEIGHT</td>
</tr>
<tr>
<td>30</td>
<td>BODY MASS INDEX</td>
</tr>
<tr>
<td>40</td>
<td>B.M.I. PERCENTILE</td>
</tr>
<tr>
<td>50</td>
<td>TEMPERATURE</td>
</tr>
<tr>
<td>60</td>
<td>BLOOD PRESSURE</td>
</tr>
<tr>
<td>70</td>
<td>PULSE</td>
</tr>
<tr>
<td>80</td>
<td>RESPIRATIONS</td>
</tr>
<tr>
<td>90</td>
<td>PAIN</td>
</tr>
<tr>
<td>100</td>
<td>02 SATURATION</td>
</tr>
<tr>
<td>110</td>
<td>PEAK FLOW</td>
</tr>
<tr>
<td>112</td>
<td>BEST PEAK FLOW</td>
</tr>
<tr>
<td>114</td>
<td>ASTHMA SYMPTOM FREE DAYS</td>
</tr>
<tr>
<td>115</td>
<td>ASTHMA WORK/SCHOOL DAYS MISSED</td>
</tr>
<tr>
<td>116</td>
<td>FEF 25-75</td>
</tr>
<tr>
<td>118</td>
<td>FEV1/FVC</td>
</tr>
<tr>
<td>120</td>
<td>HEAD CIRCUMFERENCE</td>
</tr>
<tr>
<td>130</td>
<td>WAIST CIRCUMFERENCE</td>
</tr>
<tr>
<td>140</td>
<td>EDEMA</td>
</tr>
<tr>
<td>145</td>
<td>CARDIAC EJECTION FRACTION</td>
</tr>
</tbody>
</table>

Add the measurement to the display:

Measurements Listed on Cover Sheet
Vital signs list for cover sheet may be set for the following:

Enter selection: 900 System YAKIMA-HC.PRT.IHS.GOV

Setting Vital signs list for cover sheet for System: YAKIMA-HC.PRT.IHS.GOV
Select Sequence: 150
Are you adding 150 as a new Sequence? Yes/ YES

Sequence: 150// 150
Vital: Fetal heart TONES
Select Sequence: 155
Are you adding 155 as a new Sequence? Yes/ YES

Sequence: 155// 155
Vital: Fundal HEIGHT
Select Sequence:
Log on to EHR as a clinician in the User Class that you set up in the vital entry display – enter Fetal Heart Tones, Fundal Height, and Edema.

Figure 2-1: Vital Entry tab

Compare this to a user that is not in the user class you set up and see that the setup honors the level you set up.

Figure 2-2: Sample Vital Entry display with Measurements

Check the cover sheet display to ensure that the new measurements are displayed.
<table>
<thead>
<tr>
<th>Vital</th>
<th>Value</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>HT</td>
<td>66.5 in (168.31 cm)</td>
<td>03-Feb-2010 11:26</td>
</tr>
<tr>
<td>WT</td>
<td>220 lb (99.79 kg)</td>
<td>03-Feb-2010 11:26</td>
</tr>
<tr>
<td>BMI</td>
<td>34.38</td>
<td>03-Feb-2010 11:26</td>
</tr>
<tr>
<td>TMP</td>
<td>97.9°F (36.6°C)</td>
<td>03-Feb-2010 11:26</td>
</tr>
<tr>
<td>BP</td>
<td>141/75 mmHg</td>
<td>03-Feb-2010 11:26</td>
</tr>
<tr>
<td>PU</td>
<td>79 /min</td>
<td>03-Feb-2010 11:26</td>
</tr>
<tr>
<td>RS</td>
<td>20 /min</td>
<td>03-Feb-2010 11:26</td>
</tr>
<tr>
<td>PA</td>
<td>8</td>
<td>03-Feb-2010 11:26</td>
</tr>
<tr>
<td>Q2</td>
<td>97.4%</td>
<td>03-Feb-2010 11:26</td>
</tr>
<tr>
<td>ED</td>
<td>1+</td>
<td>01-Jul-2011 17:14</td>
</tr>
<tr>
<td>FT</td>
<td>155</td>
<td>01-Jul-2011 17:14</td>
</tr>
<tr>
<td>FH</td>
<td>34 cm (13.39 in)</td>
<td>01-Jul-2011 17:14</td>
</tr>
</tbody>
</table>

Figure 2-3: Vitals Display – New Measurements
3.0 Lab Worksheet Configuration

The lab worksheet tool provides the capability to display up to seven labs for a selected period of time for quick review of a patient’s condition. These can be shared among users.

Figure 3-1: Select Lab Tests dialog

To add labs to the worksheet:

1. Locate each in the Laboratory Tests list.
2. Click Add to move the test to the Tests to be displayed list.
3. When done selecting labs, click NEW. A confirmation dialog (Figure 3-2) displays.
4. Click **Yes**. Note the group is available to display.

Displays in a grid format and display may be expanded or limited by timeframes.
Figure 3-4: Laboratory Results worksheet
4.0 Order Menu

The lab menu presents an opportunity to provide decision support at the point of care for providers. Engage your OB providers in developing menus that make sense and enhance their workflow.

**Tip:** Consider aligning the display of the menu and the health summary selected lab displays (see below) for ease of review. Users will be able to review the order menu and health summary side by side on the screen.

Example: Set up order menu by trimester with labs in alphabetical order.
- List “Selected Lab Tests” in the health summary (below) in alphabetical order.

Consider a “Prenatal Care” order menu that includes:
- Labs, imaging, consult orders, medications by trimester or weeks gestation in alphabetical order.

Medications commonly prescribed in pregnancy:
- Preventative (i.e. Prenatal vitamins)
- Symptom management (nausea, constipation, pain, etc)
- Common chronic and episodic care (hypertension, diabetes, asthma, URIs, allergies, etc)

Consider placing “Prenatal Care” order menu on the Orders Tab and as a sub-menu on the Outpatient medication menu so that providers can access the order they need from the med management component.
### Prenatal Menu

<table>
<thead>
<tr>
<th>Timeframe</th>
<th>Tests/Services</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INITIAL</strong></td>
<td>Prenatal Panel, Prenatal vitamins</td>
</tr>
<tr>
<td><strong>8 to 12 Weeks</strong></td>
<td>Amnio or CVS, Amniotic fluid, Karyotype, MSAFP/Multiple markers, Ultrasound</td>
</tr>
<tr>
<td><strong>24 to 28 Weeks</strong></td>
<td>CBC, Diabetes screening, Glucose tolerance Test (if screen at RH Ab Screen), RNI (if indicated at 28 weeks)</td>
</tr>
<tr>
<td><strong>32 to 36 Weeks</strong></td>
<td>CBC, CCA/CD, Group B Sheep (35 to 37 weeks), RPR, Ultrasound</td>
</tr>
<tr>
<td><strong>COMMON PREGNANCY ISSUES</strong></td>
<td>Gestational Hypertension, Zeta, Hypertension, Pain, PIH</td>
</tr>
</tbody>
</table>

**Figure 4-1: Prenatal menu**
5.0 **Health Summary Tool Configuration**

VA Health Summary Components package (BHS) allows the CAC build brief health summaries and uses these as reports or convers to TIU objects. One component allows us of the Indian Health Service (IHS) Health Summary Flowsheets to create reports and objects.

**Tip:** The RPMS Master Configuration menus for reports are cumbersome to navigate; ask your site manager to assign you the IHS and VA health summary maintenance menus:

- IHS Health Summary Maintenance Menu
- IHS Health Summary Maintenance Menu [APCHSMaint]
- VA Health Summary Maintenance Menu
- Health Summary Maintenance Menu [GMTS IRM/ADPAC MENU]

5.1 **Creating Flowsheet in IHS Health Summary**

The CAC can use this functionality to create a flowsheet to display recurrent data a set period of time. You can make several small flowsheets and combine these into a report or TIU object using the VA Health Summary Components application. You can display the following in these tools. The display is limited to 25 characters per item in width and then it wraps. You should also limit to approximately 70 characters in width for optimal display in TIU Notes.

- EXAMINATION
- HEALTH FACTOR
- LAB RESULT
- MEASUREMENT
- MEDICATION
- PATIENT EDUCATION
- PURPOSE OF VISIT

5.1.1 **Example**

```
------------ FLO - Flowsheet (max 10 occurrences or 1 year) ------------
Prenatal  EGA  WT  BP  EDEMA  Fundal Ht  FHT  U Pro  U GLU
```

Supplement: EHR Optimization for Prenatal Care

Health Summary Tool Configuration

March 2013

21
5.1.2 Instructions

**IHS Health Summary Maintenance Menu [APCHSMAINT] > MF/Create Modify Flowsheet**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Temperature</th>
<th>Pulse</th>
<th>Systolic</th>
<th>Diastolic</th>
<th>Pulse Ox</th>
<th>Temp</th>
<th>HR</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>06/28/2012</td>
<td>:32</td>
<td>:263</td>
<td>:0</td>
<td>:120</td>
<td>:80</td>
<td>:32</td>
<td>:T</td>
<td>:N</td>
<td></td>
</tr>
<tr>
<td>05/31/2012</td>
<td>:27</td>
<td>:341</td>
<td>:0</td>
<td>:110</td>
<td>:70</td>
<td>:26</td>
<td>:162</td>
<td>:</td>
<td></td>
</tr>
<tr>
<td>04/26/2012</td>
<td>:22</td>
<td>:319</td>
<td>:0</td>
<td>:100</td>
<td>:60</td>
<td>:23</td>
<td>:158</td>
<td>:</td>
<td></td>
</tr>
<tr>
<td>01/25/2012</td>
<td></td>
<td></td>
<td></td>
<td>:130</td>
<td>:80</td>
<td>:</td>
<td>:</td>
<td>:</td>
<td></td>
</tr>
<tr>
<td>01/18/2012</td>
<td></td>
<td></td>
<td></td>
<td>:119</td>
<td>:70</td>
<td>:</td>
<td>:</td>
<td>:</td>
<td></td>
</tr>
</tbody>
</table>

**Select Health Summary Maintenance Option: MF  Create/Modify Flowsheet**

**Select HEALTH SUMMARY FLOWSHEET NAME:** Prenatal flowsheet

Are you adding 'Prenatal flowsheet' as a new HEALTH SUMMARY FLOWSHEET (the 37TH)? No// y (Yes)

NAME: Prenatal flowsheet  Replace

GENDER RESTRICTIONS:

LOWER AGE LIMIT:

UPPER AGE LIMIT:

Select ITEM ORDER: 5 <<<<<<<<< 5, 10, 15, etc so you can fit additional items in between if needed

ITEM ORDER ITEM TYPE: MEASUREMENT

ITEM TYPE: MEASUREMENT/

ITEM LABEL: EGA

ITEM WIDTH: 8<<< if you will display only 1 lab/measurement/exam etc type, then account for longest result plus notation of H or L and * for critical, if you have more than 1 lab you will display (ie "kidney function" and display bun, creatinine) then you have to account for both the lab label name and the result)

Select MEMBERS: MEA.EGA

Searching for a Measurement type, (pointed-to by MEMBERS)

Searching for a Measurement type

EGA     ESTIMATED GESTATIONAL AGE

...OK? Yes// (Yes)

Select MEMBERS:

Select ITEM ORDER: 10

Select MEMBERS: MEA.WT

Searching for a Measurement type, (pointed-to by MEMBERS)

Searching for a Measurement type

WT     WEIGHT

...OK? Yes// (Yes)

Select MEMBERS:

Select ITEM ORDER: 15

ITEM ORDER ITEM TYPE: MEASUREMENT

ITEM TYPE: MEASUREMENT/

ITEM LABEL: BP

ITEM WIDTH: 8

Select MEMBERS: MEA.BP
Searching for a Measurement type, (pointed-to by MEMBERS)

Searching for a Measurement type

1   BP       BLOOD PRESSURE
2   BPF      BEST PEAK FLOW

CHOOSE 1-2:  1   BP       BLOOD PRESSURE

Select MEMBERS:
Select ITEM ORDER: 20
ITEM ORDER ITEM TYPE: MEASUREMENT
ITEM TYPE: MEASUREMENT/
ITEM LABEL: Edema
ITEM WIDTH: 7
Select MEMBERS: MEA.ED

Searching for a Measurement type, (pointed-to by MEMBERS)

Searching for a Measurement type

Ed   EDEMA
...OK? Yes// (Yes)

Select MEMBERS:
Select ITEM ORDER: 25
ITEM ORDER ITEM TYPE: MEASUREMENT
ITEM TYPE: MEASUREMENT/
ITEM LABEL: Fundal Ht
ITEM WIDTH: 9
Select MEMBERS: MEA.FUNDAL H

Searching for a Measurement type, (pointed-to by MEMBERS)

Searching for a Measurement type

Fundal Ht     FUNDAL HEIGHT
...OK? Yes// (Yes)

Select MEMBERS:
Select ITEM ORDER: 30
ITEM ORDER ITEM TYPE: MEASUREMENT
ITEM TYPE: MEASUREMENT/
ITEM LABEL: FHT
ITEM WIDTH: 6
Select MEMBERS: MEA.FETAL

Searching for a Measurement type, (pointed-to by MEMBERS)

Searching for a Measurement type

Fetal Heart Tones   FT     FETAL HEART TONES
...OK? Yes// (Yes)

Select MEMBERS:
Select ITEM ORDER: 35
ITEM ORDER ITEM TYPE: LAB RESULT
ITEM TYPE: LAB RESULT/
ITEM LABEL: Urine pro
ITEM WIDTH: 10
Select MEMBERS: LAB.URINE PRO

Searching for a Lab test, (pointed-to by MEMBERS)

Creating a TIU Health Summary Component from the Flowsheet
Searching for a Lab test

1   URINE PROTEIN
5.1.3 Viewing Flowsheets and Other Components in Adhoc Health Summary

These are created in the IHS Health Summary. Flowsheets can be displayed as part of an IHS Health Summary but more often used to display in the “Ad Hoc” health summary, in a VA Health Summary and/or TIU object.

EHR>Reports Tab>Health Summaries>Adhoc Report
Figure 5-1: Ad Hoc Health Summary

1. Select **Adhoc Report**.

2. Select **Flowsheets** – double click or use the Right Arrow.

3. Select the flowsheet(s) to view by clicking **Edit Sub-items**.

4. Edit the occurrence and time limits as needed.

5. Click **OK** to display the Adhoc report.
### 5.2 Creating Health Summaries for 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> Trimester

Using the VA Health Summary Components, consider making three health summaries – three months, six months, and nine months of data. These could be made available on the OB providers EHR GUI as Health Summary Buttons on the toolbar. The content of the health summary (excluding the note) could be included in the admission note and/or discharging from care at six weeks post partum.
Tip: The Health Summary can include all or some (speak with your providers – more is not always better):

- RH (Reproductive History) LMP, reproductive history and EDC from the Reproductive Factors component
- FLO (Flowsheets – can select from flowsheets created in IHS Health Summary)
- SLT (Selected lab tests) – consider listing in alphabetical order
- Sites without unidirectional lab would use “V Lab Most Recent by Date” for reasonable approximation to the Selected lab test that look in the Lab package
- MIC (Laboratory microbiology)
- IEXM (PCC Exams – most recent)
- SHF (Selected health factors)
- SPN (Selected progress notes - specify note titles to include)
- BADR (Allergies/ADR brief)

5.2.1 Enabling VA Health Summary Components

If needed, enable a few health summary components for use.

Health Summary Maintenance Menu  [GMTS IRM/ADPAC MENU]

1 Disable/Enable Health Summary Component
2 Create/Modify Health Summary Components
3 Edit Ad Hoc Health Summary Type
4 Rebuild Ad Hoc Health Summary Type
5 Resequence a Health Summary Type
6 Create/Modify Health Summary Type
7 Edit Health Summary Site Parameters
8 Health Summary Objects Menu ...
9 CPRS Reports Tab 'Health Summary Types List' Menu ...
10 CPRS Health Summary Display/Edit Site Defaults ...AINT MENU]
Tip: If you plan to use these components, you may need to activate them.

PCE Health Factors Selected (SHF)

Progress Notes Selected (SPN)

Lab Tests Selected (SLT)

Select Health Summary Maintenance Menu Option: 1 Disable/Enable Health Summary Component

Select COMPONENT: SPN PROGRESS NOTES SELECTED
DISABLE FLAG: permanent// @
SURE YOU WANT TO DELETE? y (Yes)
OUT OF ORDER MESSAGE: PROGRESS NOTES SELECTED not yet available
Replace

Select COMPONENT:

5.2.2 Instructions for Prenatal 1st Trimester Summary

Use the VA Health Summary menu to create new health summary reports.

Health Summary Maintenance Menu [GMTS IRM/ADPAC MENU]

Select Health Summary Maintenance Menu Option: 6 Create/Modify Health Summary Type
Select Health Summary Type: Prenatal 1st Trimester <<<<<<<<<<<<<< create the first summary type
Are you adding 'Prenatal 1st Trimester' as a new HEALTH SUMMARY TYPE (the 90th)? No// y YES
NAME: Prenatal 1st Trimester Replace
TITLE:
SUPPRESS PRINT OF COMPONENTS WITHOUT DATA:
SUPPRESS SENSITIVE PRINT DATA:
Do you wish to copy COMPONENTS from an existing Health Summary Type? YES// n NO
Select COMPONENT: ReproDUCTIVE HISTORY RH
SUMMARY ORDER: 5// 5
HEADER NAME: Reproductive History Replace
Select COMPONENT: FloWSHEET FLO
SUMMARY ORDER: 10// 10
OCCURRENCE LIMIT:
TIME LIMIT: 3M <<<<<<<<<<<<<< set time limit for report - 3 months for 1st trimester
HEADER NAME: Flowsheet//
No selection items chosen.

Select new items one at a time in the sequence you want them displayed. You may select up to 3 items.

Select SELECTION ITEM: Prenat

Searching for a Flowsheet, (pointed-to by SELECTION ITEM)

Searching for a Flowsheet

1  Prenatal baseline labs
2  Prenatal flowsheet
3  Prenatal risk assessment
CHOOSE 1-3: 2  Prenatal flowsheet

Are you adding 'Prenatal flowsheet' as
a new SELECTION ITEM (the 1ST for this STRUCTURE)? No// y (Yes)
Select SELECTION ITEM:
Select COMPONENT: SLT  LAB TESTS SELECTED SLT
SUMMARY ORDER: 15// 15
OCCURRENCE LIMIT: 5
TIME LIMIT: 3M <<<< set appropriate for report – 3 months for 1st trimester
HEADER NAME: Lab Tests Selected// Other labs <<<< change name if you like

No selection items chosen.

Select new items one at a time in the sequence you want them displayed. You may select any number of items.

Select SELECTION ITEM: Hemoglo

Searching for a LABORATORY TEST, (pointed-to by SELECTION ITEM)

Searching for a LABORATORY TEST

1  HEMOGLOBIN
2  HEMOGLOBIN HB (HGB)
3  HEMOGLOBIN A  HGB A1
4  HEMOGLOBIN A1C
5  HEMOGLOBIN A2  HGB A2
Press <RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-5: 1  HEMOGLOBIN

Are you adding 'HEMOGLOBIN' as a new SELECTION ITEM (the 1ST for this STRUCTURE)?
No// y (Yes)
Select SELECTION ITEM: Hematocrit

Searching for a LABORATORY TEST, (pointed-to by SELECTION ITEM)

Searching for a LABORATORY TEST

HEMATOCRIT

...OK? Yes// (Yes)
Are you adding 'HEMATOCRIT' as a new SELECTION ITEM (the 2ND for this STRUCTURE)?
No// y (Yes)
Select SELECTION ITEM: <<<< continue to add all the labs you want displayed
Select COMPONENT: SHF  PCE HEALTH FACTORS SELECTED SHF
SUMMARY ORDER: 20// 20
OCCURRENCE LIMIT: 1
TIME LIMIT: 1Y
HEADER NAME: Health Factor Select  Replace
Select SELECTION ITEM: TOBACCO (SMOKING)
Searching for a HEALTH FACTOR, (pointed-to by SELECTION ITEM)
TOBACCO (SMOKING)   TOBACCO (SMOKING)
...OK? Yes// y (Yes)
Are you adding 'TOBACCO (SMOKING)' as a new SELECTION ITEM (the 1ST for this STRUCTURE)? No// y (Yes)
Are you adding 'TOBACCO (SMOKING)' as
a new SELECTION ITEM (the 1ST for this STRUCTURE)? No// y (Yes)
Select SELECTION ITEM: TOBACCO (SMOKELESS)

Searching for a HEALTH FACTOR, (pointed-to by SELECTION ITEM)
TOBACCO (SMOKELESS - CHEWING/DIP)   TOBACCO (SMOKELESS - CHEWING/DIP)
...OK? Yes// (Yes)
Are you adding 'TOBACCO (SMOKELESS - CHEWING/DIP)' as
a new SELECTION ITEM (the 2ND for this STRUCTURE)? No// y (Yes)
Select SELECTION ITEM: TOBACCO (EXPOSURE)

Searching for a HEALTH FACTOR, (pointed-to by SELECTION ITEM)
TOBACCO (EXPOSURE)   TOBACCO (EXPOSURE)
...OK? Yes// (Yes)
Are you adding 'TOBACCO (EXPOSURE)' as
a new SELECTION ITEM (the 3RD for this STRUCTURE)? No// y (Yes)
Select SELECTION ITEM:

PCE HEALTH FACTORS SELECTED    (SHF)
1  TOBACCO (SMOKING)
2  TOBACCO (SMOKELESS - CHEWING/DIP)
3  TOBACCO (EXPOSURE)

Do you want to resequence the selection items? NO
Select COMPONENT: PCC ExAMS - MOST RECENT IEXM
SUMMARY ORDER: 25//25
OCCURRENCE LIMIT: 1
HEADER NAME: Most Recent Exams//
Select COMPONENT: SPN PROGRESS NOTES SELECTED SPN
SUMMARY ORDER: 30//30
TIME LIMIT: 3M
HEADER NAME: Selected Prog Notes//OB Notes

No selection items chosen.

Select new items one at a time in the sequence you want them displayed.
You may select any number of items.

Select SELECTION ITEM: OB

Searching for a PROGRESS NOTE TITLE, (pointed-to by SELECTION ITEM)

Searching for a PROGRESS NOTE TITLE
1  OB FOLLOW UP       TITLE       TITLE
2  OB INTAKE PROVIDER  TITLE       TITLE
3  OB INTAKE VISIT    TITLE       TITLE
CHOOSE 1-3: 2 OB INTAKE PROVIDER  TITLE       TITLE
Are you adding 'OB INTAKE PROVIDER' as
a new SELECTION ITEM (the 1ST for this STRUCTURE)? No// y (Yes)
Select SELECTION ITEM: OB

Searching for a PROGRESS NOTE TITLE, (pointed-to by SELECTION ITEM)
OB INTAKE PROVIDER TITLE TITLE
...OK? Yes// n (No)

Searching for a PROGRESS NOTE TITLE

1 OB FOLLOW UP TITLE TITLE
2 OB INTAKE PROVIDER TITLE TITLE
3 OB INTAKE VISIT TITLE TITLE

CHOOSE 1-3: 1 OB FOLLOW UP TITLE TITLE
Are you adding 'OB FOLLOW UP' as a new SELECTION ITEM (the 2ND for this STRUCTURE)? No// y (Yes)

Select SELECTION ITEM:
PROGRESS NOTES SELECTED (SPN)
1 OB INTAKE PROVIDER
2 OB FOLLOW UP

Do you want to resequence the selection items? you may resequence here if you like

Select COMPONENT:
Do you wish to review the Summary Type structure before continuing? NO//YES if you wish to review the structure

Figure 5-3: Prenatal Flowsheet
Figure 5-4: Prenatal Flowsheet (cont.)
5.2.3 Instructions for Prenatal 2nd and 3rd Trimester summary

Re-use the format from the Prenatal 1st trimester summary to quickly build the subsequent reports.

```
Select Health Summary Maintenance Menu Option: Create/Modify Health Summary Type

Select Health Summary Type: Prenatal 2nd Trimester

Are you adding 'Prenatal 2nd Trimester' as a new HEALTH SUMMARY TYPE (the 92th)? No//y YES
NAME: Prenatal 2nd Trimester Replace
TITLE: 
SUPPRESS PRINT OF COMPONENTS WITHOUT DATA: 
SUPPRESS SENSITIVE PRINT DATA: 

Do you wish to copy COMPONENTS from an existing Health Summary Type? YES//YES

Select Health Summary Type to copy from: Prenatal 1st Trimester
```

**Tip:** By using the components from the Prenatal 1st Trimester, you will save time. You will need to re-sequence the components and need to change time limits appropriately.
Prenatal Care Module (BJPN) Version 1.0

Supplement: EHR Optimization for Prenatal Care
Health Summary Tool Configuration
March 2013

34

Prenatal 1st Trimester

The Following Components are Available:

<table>
<thead>
<tr>
<th>FLO</th>
<th>Flowsheet</th>
<th>SHF</th>
<th>Health Factor Select</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLT</td>
<td>Other labs</td>
<td>SPN</td>
<td>OB Notes</td>
</tr>
<tr>
<td>IEXM</td>
<td>Most Recent Exams</td>
<td>RH</td>
<td>Reproductive History</td>
</tr>
</tbody>
</table>

Select COMPONENT(S): ALL Flowsheet Other labs Most Recent Exams

Select ALL – the components will display, you may need to change the order and will need to change the time limits on some

Health Factor Select OB Notes Reproductive History

HEALTH SUMMARY TYPE INQUIRY

Type Name: Prenatal 2nd Trimester
Title: RICHARDS, SUSAN P

SUPPRESS PRINT OF COMPONENTS WITHOUT DATA:
SUPPRESS SENSITIVE PRINT DATA:

Pro CPT
Abb Ord Component Name Occ Time Loc Text Nar Mod Selection

FLO 5 Flowsheet 3M
Prenatal flow

SLT 10 Other labs 5 3M

RH TYPE
HEMATOCRIT
HEMOGLOBIN
HEMOGLOBIN A1C
FASTING GTT
CHLAMYDIA/GCDNA

PROBE

HEALTH SUMMARY TYPE INQUIRY

Type Name: Prenatal 2nd Trimester
Title: RICHARDS, SUSAN P

SUPPRESS PRINT OF COMPONENTS WITHOUT DATA:
SUPPRESS SENSITIVE PRINT DATA:

Abb Ord Component Name Occ Time Loc Text Nar Mod Selection
HIV 1/2 EIA W/RFLX Q19728

HEPATITIS B
SURFACE ANTIGEN
RPR
RUBELLA IGG AB
ALPHA-FETOPROTEIN

IEXM 15 Most Recent Exams 1

SHF 20 Health Factor Select 1 1Y

TOBACCO (SMOKING)

HEALTH SUMMARY TYPE INQUIRY
| Type Name:  | Prenatal 2nd Trimester |
| Title:     |                         |
| Owner:     | RICHARDS,SUSAN P           |

**SUPPRESS PRINT OF COMPONENTS WITHOUT DATA:**

**SUPPRESS SENSITIVE PRINT DATA:**

<table>
<thead>
<tr>
<th>Max</th>
<th>Hos</th>
<th>ICD</th>
<th>Pro</th>
<th>CPT</th>
<th>Abb</th>
<th>Ord</th>
<th>Component Name</th>
<th>Occ</th>
<th>Time</th>
<th>Loc</th>
<th>Text</th>
<th>Nar</th>
<th>Mod</th>
<th>Selection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TOBACCO (SMOKELESS - CHEWING/D)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TOBACCO (EXPOSURE)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPN</td>
<td>25</td>
<td>OB Notes</td>
<td>3M</td>
<td></td>
<td></td>
<td></td>
<td>OB INTAKE PROVIDER</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RH</td>
<td>30</td>
<td>Reproductive History</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OB FOLLOW UP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* = Disabled Components

Select COMPONENT: RH Reproductive History

RH <<<< change this to 1 so it displays first like other report

REPRODUCTIVE HISTORY is already a component of this summary.

Select one of the following:

- E Edit component parameters
- D Delete component from summary

Select Action: e Edit component parameters

SUMMARY ORDER: 30/1

HEADER NAME: Reproductive History

Replace

Select COMPONENT: FLOWSHEET FLO

FLOWSHEET is already a component of this summary.

Select one of the following:

- E Edit component parameters
- D Delete component from summary

Select Action: e Edit component parameters

SUMMARY ORDER: 5/5

OCCURRENCE LIMIT:

TIME LIMIT: 3M/6M change to 6M for 2nd trimester report

HEADER NAME: Flowsheet

Current selection items are: Prenatal flowsheet

Select SELECTION ITEM:

Select COMPONENT: SLT LAB TESTS SELECTED SLT

LAB TESTS SELECTED is already a component of this summary.

Select one of the following:

- E Edit component parameters
- D Delete component from summary

Select Action: e Edit component parameters

SUMMARY ORDER: 10/10

OCCURRENCE LIMIT: 5/6M change to 6M for 2nd trimester report
HEADER NAME: Other labs/
Current selection items are:  ABO TYPE
    RH TYPE
    HEMOGLOBIN
    HEMATOCRIT
    HEMOGLOBIN A1C
    FASTING GTT
    CHLAMYDIA/GC DNA PROBE
    HIV 1/2 EIA W/RFLX Q19728
    HEPATITIS B SURFACE ANTIGEN
    RPR
    RUBELLA IGG AB
    ALPHA-FETOPROTEIN (MATERNAL)

Select new items one at a time in the sequence you want them displayed.
You may select any number of items.

Select SELECTION ITEM:
LAB TESTS SELECTED    (SLT)
  1  ABO TYPE
  2  RH TYPE
  3  HEMOGLOBIN
  4  HEMATOCRIT
  5  HEMOGLOBIN A1C
  6  FASTING GTT
  7  CHLAMYDIA/GC DNA PROBE
  8  HIV 1/2 EIA W/RFLX Q19728
  9  HEPATITIS B SURFACE ANTIGEN
 10  RPR
 11  RUBELLA IGG AB
 12  ALPHA-FETOPROTEIN (MATERNAL)

Do you want to resequence the selection items?  n  NO

Repeat for Prenatal 3rd Trimester summary

5.2.4  Example

----------------------------- RH - Reproductive History -----------------------------
Reproductive History:
    Total # of Pregnancies 3; Full Term 1; Premature 0; Abortions, Induced 1;
    Abortions, Spontaneous 0; Ectopic Pregnancies 0; Multiple Births 0
    ; Living Children 1
    LMP: 10/21/2010 (obtained 03/10/2011)
    CONTRACEPTION: NONE, EFFECTIVE 08/02/2010 (obtained 03/10/2011)
    *** NOTE: EDC 08/07/2011 (obtained 03/10/2011) BY CLINICAL PARAMETERS

----------------------- FLO - Flowsheet (max 10 occurrences or 1 year) -----------------------
Prenatal
    U Pro  U GLU
    EGA   WT    BP   ED   FH   FHT
    06/28/2012 :32 2/7:263 :120/80 :0 :32 :159 :T :N
--- SLT - Other labs (max 5 occurrences or 9 months) ---

<table>
<thead>
<tr>
<th>Collection DT</th>
<th>Specimen</th>
<th>Test Name</th>
<th>Result</th>
<th>Units</th>
<th>Ref Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>03/04/2011 10:59</td>
<td>BLOOD</td>
<td>ABO TYPE</td>
<td>O</td>
<td></td>
<td></td>
</tr>
<tr>
<td>03/04/2011 10:59</td>
<td>BLOOD</td>
<td>RH TYPE</td>
<td>RH(D) POSITIVE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>03/04/2011 10:58</td>
<td>BLOOD</td>
<td>HEMOGLOBIN</td>
<td>10.9 g/dL</td>
<td>10 - 16</td>
<td></td>
</tr>
<tr>
<td>03/04/2011 10:58</td>
<td>BLOOD</td>
<td>HEMATOCRIT</td>
<td>32.1 %</td>
<td>30 - 46</td>
<td></td>
</tr>
<tr>
<td>03/04/2011 10:59</td>
<td>BLOOD</td>
<td>HEMOGLOBIN A1C</td>
<td>4.8 %</td>
<td>0 - 5.9</td>
<td></td>
</tr>
<tr>
<td>03/04/2011 10:58</td>
<td>BLOOD</td>
<td>HIV -Q</td>
<td>NON-REACTIVE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>03/04/2011 10:59</td>
<td>BLOOD</td>
<td>HBSAgQ</td>
<td>NON-REACTIVE</td>
<td>NON REACTIVE</td>
<td></td>
</tr>
<tr>
<td>03/04/2011 10:59</td>
<td>BLOOD</td>
<td>RUBELLA IGG AB</td>
<td>1.86 EIA VALUE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

--- IEXM - Most Recent Exams (max 1 occurrence) ---

<table>
<thead>
<tr>
<th>Exam</th>
<th>Date</th>
<th>Result</th>
<th>Provider</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOMESTIC VIOLENCE SCREENING</td>
<td>08/02/2010</td>
<td>NORMAL/NEGATIVE</td>
<td>CUNNINGHAM, MARG</td>
</tr>
<tr>
<td>ALCOHOL SCREENING</td>
<td>08/02/2010</td>
<td>NORMAL/NEGATIVE</td>
<td>CUNNINGHAM, MARG</td>
</tr>
<tr>
<td>DEPRESSION SCREENING</td>
<td>08/02/2010</td>
<td>NORMAL/NEGATIVE</td>
<td>CUNNINGHAM, MARG</td>
</tr>
</tbody>
</table>

--- SHF - Health Factor Select (max 1 occurrence or 1 year) ---

<table>
<thead>
<tr>
<th>Category</th>
<th>Visit Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOBACCO (SMOKING)</td>
<td></td>
</tr>
<tr>
<td>NEVER SMOKED</td>
<td>08/02/2010</td>
</tr>
<tr>
<td>TOBACCO (SMOKELESS - CHEWING/DIP)</td>
<td></td>
</tr>
<tr>
<td>NEVER USED SMOKELESS TOBACCO</td>
<td>08/02/2010</td>
</tr>
</tbody>
</table>

--- SPN - OB Notes (max 9 months) ---

07/04/2011 21:16 Title: OB FOLLOW UP

Chief Complaint: Patient presents for 32 week OB visit. Feels well but tired, lots of fetal movement, no bleeding or cramping.

Add history

O)

WT: 200.00 (90.80 kg), BP: 120/80, FH: 30, FT: 160, ED: 1+

Add history

A/P)

1) EDC 8/4/2011 [P]

Missed 28 week appt, needs 3hr GTT

Problem List Updates: None Found

--- FOLLOW UP

Follow up in 2 weeks.

Keep any scheduled appts for ongoing & preventive care.

Future Appt: None Found
---ORDERS
3 HOUR GTT (GESTATIONAL) BLOOD SP ONCE Indication: EDC 8/4/2011 LB #16129

Signed by: /es/ Susan Pierce-Richards, ARNP
Nurse Practitioner 07/04/2011 21:17
6.0 Create Health Summary Buttons on the EHR Panel

6.1 Find the IEN of the VA Health Summary

You will need to look in Fileman.
1. Search File Entries
2. Print File Entries
3. Inquire to File Entries
4. Statistics
5. List File Attributes

Select FileMan (General) Option: inquire to File Entries
OUTPUT FROM WHAT FILE: LABORATORY TEST/ 142 HEALTH SUMMARY TYPE <<< type 142
(the file number for VA Health Summary Type)
(11 entries)
Select HEALTH SUMMARY TYPE NAME: Prenatal 1st Trimester <<< the health summary name you created
ANOTHER ONE:
STANDARD CAPTIONED OUTPUT? Yes// (Yes)
Include COMPUTED fields: (N/Y/R/B): NO// BOTH Computed Fields and Record Number (IEN) <<<select both to see IEN

NUMBER: 91
OWNER: RICHARDS,SUSAN P
SUMMARY ORDER: 5
HEADER NAME: Reproductive History
SUMMARY ORDER: 10
COMPONENT NAME: FLOWSHEET
TIME LIMIT: 3M
HEADER NAME: Flowsheet
SELECTION ITEM: Prenatal flowsheet
SUMMARY ORDER: 15
COMPONENT NAME: LAB TESTS SELECTED
OCCURRENCE LIMIT: 5
TIME LIMIT: 3M
HEADER NAME: Other labs
SELECTION ITEM: ABO TYPE
SELECTION ITEM: RH TYPE
SELECTION ITEM: HEMOGLOBIN
SELECTION ITEM: HEMATOCRIT
SELECTION ITEM: HEMOGLOBIN A1C
SELECTION ITEM: FASTING GTT
SELECTION ITEM: CHLAMYDIA/GC DNA PROBE
SELECTION ITEM: HIV 1/2 EIA W/RFLX Q19728
SELECTION ITEM: HEPATITIS B SURFACE ANTIGEN
SELECTION ITEM: RPR
SELECTION ITEM: RUBELLA IGG AB

Note: The number (IEN) will be different on different systems!

6.2 Configure the Health Summary Button

Add a Health Summary Report button to Toolbar in Design Mode
Caption is the name that is displayed on the button

Format for “Report” field is:

IHS^IEN of report (for IHS Health Summaries)

1^IEN of report (for VA Health Summaries)
### Properties for Health Summary Report

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOP</td>
<td>2</td>
</tr>
<tr>
<td>LEFT</td>
<td>880</td>
</tr>
<tr>
<td>HEIGHT</td>
<td>32</td>
</tr>
<tr>
<td>WIDTH</td>
<td>61</td>
</tr>
<tr>
<td>ALIGN</td>
<td>Right</td>
</tr>
<tr>
<td>ANCHORS</td>
<td>Left, Right, Bottom</td>
</tr>
<tr>
<td>GLYPH</td>
<td></td>
</tr>
<tr>
<td>CAPTION</td>
<td>Prenatal 3rd Tr</td>
</tr>
<tr>
<td>LAYOUT</td>
<td>Image appears on the left</td>
</tr>
<tr>
<td>ASYNCHRONOUS</td>
<td>False</td>
</tr>
<tr>
<td>ENCOUNTERREQUIRED</td>
<td>False</td>
</tr>
<tr>
<td>REFRESHOPTION</td>
<td>Ignore refresh requests</td>
</tr>
<tr>
<td>REPORT</td>
<td>1-33</td>
</tr>
<tr>
<td>TITLE</td>
<td></td>
</tr>
</tbody>
</table>

**Figure 6-3:** Properties for Health Summary Report dialog

**Figure 6-4:** EHR panel

- Clicking will bring up repro hx, labs, measurements, HF, Exams and OB notes for past 9 months

Supplement: EHR Optimization for Prenatal Care
Create Health Summary Buttons on the EHR Panel
March 2013
Reproductive History:

Total # of Pregnancies: 3; Full Term: 1; Premature: 0; Abortions, Induced: 1;
Abortions, Spontaneous: 0; Ectopic Pregnancies: 0; Multiple Births: 0;
Living Children: 1

LMP: 10/21/2010 (obtained 03/10/2011)
CONTRACTION: NO, EFFECTIVE 08/2010 (obtained 03/10/2011)
*** NOTE: EDC 09/07/2011 (obtained 03/10/2011) BY CLINICAL PARAMETERS

Prenatal flowsheet

<table>
<thead>
<tr>
<th>Date</th>
<th>Weight</th>
<th>BF</th>
<th>Edema</th>
<th>Fetal Ht</th>
<th>FHT</th>
<th>Urine pro</th>
<th>Urine Glu</th>
</tr>
</thead>
<tbody>
<tr>
<td>07/04/2011</td>
<td>290</td>
<td>120/80</td>
<td>1+</td>
<td>30</td>
<td>150</td>
<td></td>
<td></td>
</tr>
<tr>
<td>08/04/2011</td>
<td>180</td>
<td>120/80</td>
<td>1+</td>
<td>22</td>
<td>150</td>
<td></td>
<td></td>
</tr>
<tr>
<td>04/19/2011</td>
<td>158.38</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>03/17/2011</td>
<td>159.19</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>03/10/2011</td>
<td>157.4</td>
<td>112/50</td>
<td>1+9</td>
<td>153</td>
<td></td>
<td>NEGATIVE</td>
<td>NEGATIVE</td>
</tr>
<tr>
<td>03/04/2011</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Other labs (max 5 occurrences or 9 months)

<table>
<thead>
<tr>
<th>Collection DT</th>
<th>Specimen</th>
<th>Test Name</th>
<th>Result</th>
<th>Units</th>
<th>Ref Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>03/04/2011 10:59</td>
<td>BLOOD</td>
<td>ABO TYPE</td>
<td>0</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Figure 6-5: Prenatal Flowsheet
7.0 Creating a TIU Object from VA Health Summary Types

Use any VA Health Summary Type and create a TIU object from it. This includes using the VA Health Summary to create a health summary type from an IHS Flowsheet. Flowsheet objects are a nice addition to the Data Objects folder and can also be used in templates.

For Prenatal care, consider creating a new Prenatal Comprehensive Data Summary that includes everything the Prenatal 3rd Trimester summary includes but remove the Selected Progress Notes component. This could be used in the final prenatal note prior to admission for labor and delivery and would create a “snapshot” of the data collected during the pregnancy.

With the VA Health Summary type created (see Section 5.2 – use the method in Section 5.2.2 for creating a health summary type using existing components) you can create a TIU object.

RPMS Master Configuration Menu > TIU > HIS > TMM > DDM > DDM6

<table>
<thead>
<tr>
<th>TIU Health Summary Object</th>
<th>Jul 06, 2011 11:36:20</th>
<th>Page: 1 of 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIU Object Name</td>
<td>Health Summary Type</td>
<td></td>
</tr>
<tr>
<td>1 ACEI/ARB FLOW</td>
<td>ACEI/ARB FLOW</td>
<td></td>
</tr>
<tr>
<td>2 ALLERGIES/ADVERSE DRUG RXN</td>
<td>No Health Summary Type Found</td>
<td></td>
</tr>
<tr>
<td>3 ANEMIA 12MO</td>
<td>ANEMIA 12MO</td>
<td></td>
</tr>
<tr>
<td>4 ANTICOAG 3MO FLOW</td>
<td>ANTICOAG 3MO FLOWSHEET</td>
<td></td>
</tr>
<tr>
<td>5 ANTICOAG 6MO FLOW</td>
<td>ANTICOAG 6MO FLOWSHEET</td>
<td></td>
</tr>
<tr>
<td>6 ASTHMA TRIGGERS</td>
<td>ASTHMA TRIGGERS</td>
<td></td>
</tr>
<tr>
<td>7 CREATININE LAST 6</td>
<td>Creatinine last 6</td>
<td></td>
</tr>
<tr>
<td>8 DIABETES REVIEW</td>
<td>Diabetes Review</td>
<td></td>
</tr>
<tr>
<td>9 DIABETIC SUPP</td>
<td>DIABETIC SUPP</td>
<td></td>
</tr>
<tr>
<td>10 DIMARD 6MO FLOWSHEET</td>
<td>DIMARD 6MO FLOWSHEET</td>
<td></td>
</tr>
<tr>
<td>11 DIMARD LAST 1 FLOWSHEET</td>
<td>DIMARD 1Y FLOWSHEET</td>
<td></td>
</tr>
<tr>
<td>12 DIMARD TX MONITOR 1Y</td>
<td>DIMARD Tx Monitor 1y</td>
<td></td>
</tr>
<tr>
<td>13 DIMARD TX MONITOR 6MO</td>
<td>DIMARD Tx Monitor 6MO</td>
<td></td>
</tr>
<tr>
<td>14 DM EXAM FLOWSHEET</td>
<td>DM EXAM FLOWSHEET</td>
<td></td>
</tr>
</tbody>
</table>
+ Enter ?? for more actions
Create New TIU Object

Create New TIU Object
Find
Detailed Display/Edit TIU Object
Detailed Display/Edit HS Object
Quit

Select Action: Next Screen//CR
Enter a New TIU OBJECT NAME: Prenatal Comprehensive Data

Object Name: PRENATAL COMPREHENSIVE DATA
Is this correct? YES// y YES

Use a pre-existing Health Summary Object? NO//
Checking PRENATAL COMPREHENSIVE DATA (TIU) with Health Summary...
Creating Health Summary Object 'PRENATAL COMPREHENSIVE DATA (TIU)'
Select Health Summary Type: Prenatal Comprehensive Data

OK? YES//
Do you want to overwrite the TIME LIMITS in the Health Summary Type 'PRENATAL COMPREHENSIVE DATA'? N// O
Print standard Health Summary Header with the Object? N// O

Partial Header:
Print Report Date? N// O
Print Confidentiality Banner? N// O
Print Report Header? N// O
Print the standard Component Header? Y// NO
Print the date a patient was deceased? N// O

Print a LABEL before the Health Summary Object? N// O
Suppress Components without Data? N// O

OBJECT DESCRIPTION:
No existing text
Edit? NO//

Create a TIU Object named: PRENATAL COMPREHENSIVE DATA

Ok? YES//
TIU Object created successfully.
Enter RETURN to continue...
Log off and log on to EHR to see the object in the TIU Template Editor.

Figure 7-2: Insert Patient Data dialog
8.0 Quick Note

The Quick Note will save clinicians several clicks by associating a note title, template, and the current visit to bring up the documentation tool from the toolbar.

(See EHR Patch 7 guide ftp://ftp.ihs.gov/rpms/patches/ehr_0110.07o.pdf)

8.1 Access to quick note configuration

Set Parameter:

CIAOQN QNOTES MODIFY - To assign access to the modify function.

Keep in mind that this allows the user to modify both personal and public quick notes.

- Consider restricting modify access to CAC and/or IT.
- You will need to provide temporary modify access for users to set up their personal quick notes.
- Recommend CAC providing assistance with general users in setting up any personal quick notes.
- After the user has created their personal quick notes, the CAC can remove access and the user can still use the quick notes.

NEVER edit or try to populate the CIAOQN QNOTES parameter. This parameter is populated automatically when you create quick notes in the GUI.

8.2 Adding Quick Note to EHR

The Quick Note component can be added to an EHR template in the toolbar or panel for access at any time. The component is called TIU Quick Note.
8.3 Creating a Quick Note

1. Click the Quick Note button.

   Figure 8-3: Quick Note button

The CIAOQN QNOTES MODIFY parameter controls who can create or modify Quick Notes.

2. Click Create on the Quick Note Selector.
3. Name your quick note – Personal will only display for the person creating the quick note, public for all users on the system.

4. Enter the Note Title and Template (or Reminder Dialog Template) to associate with this quick note.

**Tip:** BE SPECIFIC – it searches all templates. Remember the system sees each template “part” of dialogs as individual templates!
Tip: The CAC can associate either a TIU Template or a Reminder Dialog template to the desired note title in the quick notes application.

Reminder Dialog could offer brief SOAP documentation with ability to document obstetrical measurements (when done by provider) during note documentation such as Fetal Heart tones, Fundal Height, Presentation, etc. Additionally Reminder dialog could offer the ability to order tests, consults, procedures, interventions based on weeks gestation, document education based on trimester.

5. Populate the Visit information. For use during a visit that has already been created (such as this one for use during an OB clinic visit), set the Prompt for Visit to Use Visit Dialog and Use current user for visit provider.
6. Click **Save**.

### 8.4 Using Quick Note

1. After selecting patient and visit, reviewing chart and entering any data you wish to add, click the Quick Note button;

   ![Quick Note button](Figure 8-8: Quick Note button)

2. Double click the desired Quick Note
Figure 8-9: Quick Note Selector dialog

Automatically selects pre-defined note title and opens pre-defined reminder dialog template (or TIU template if that is what is associated).

Figure 8-10: Pre-Defined reminder dialog
8.5 Sample Reminder Dialog Template

![Reminder Dialog Template: Prenatal follow up dialog](image)

**Figure 8-11: Reminder Dialog template**
Figure 8-12: Sample Reminder Dialog template
# Acronym List

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAC</td>
<td>Clinical Application Coordinator</td>
</tr>
<tr>
<td>EHR</td>
<td>Electronic Health Record</td>
</tr>
<tr>
<td>GUI</td>
<td>Graphical User Interface</td>
</tr>
<tr>
<td>IHS</td>
<td>Indian Health Service</td>
</tr>
<tr>
<td>OB</td>
<td>Obstetrics</td>
</tr>
<tr>
<td>POV</td>
<td>Purpose of Visit</td>
</tr>
<tr>
<td>RPMS</td>
<td>Resource and Patient Management System</td>
</tr>
<tr>
<td>TIU</td>
<td>Text Integration Utilities</td>
</tr>
<tr>
<td>VA</td>
<td>Veterans Administration</td>
</tr>
</tbody>
</table>
Contact Information

If you have any questions or comments regarding this distribution, please contact the OIT Help Desk (IHS).

Phone:  (505) 248-4371 or (888) 830-7280 (toll free)
Fax:      (505) 248-4363
Web:     http://www.ihs.gov/GeneralWeb/HelpCenter/Helpdesk/index.cfm
Email:   support@ihs.gov