



RESOURCE AND PATIENT MANAGEMENT SYSTEM

Prenatal Care Module

(BJPN)

Supplement: EHR Optimization for Prenatal Care

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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 1 st , 2 nd , and 3 rd 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

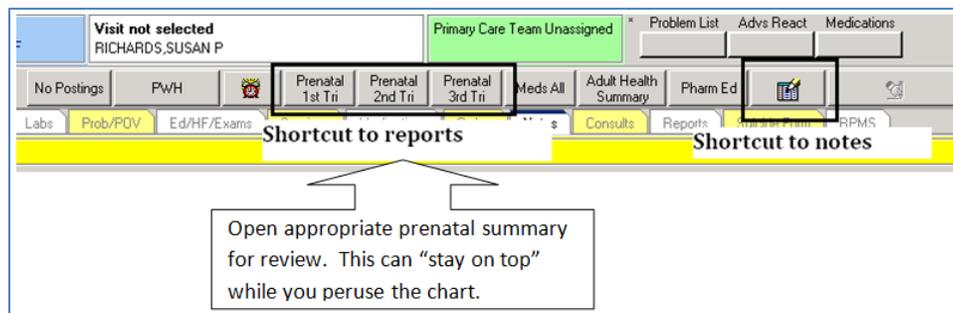


Figure 1-1: EHR panel displaying shortcuts

1.1.2 Chief Complaint, Measurements, and Reproductive Factors

Reproductive Factors

Menstrual Period: Last 12/18/2011. Update reproductive factors

Lactation: Status NOT LACTATING

Family Planning: Review, Update

History:

Total # of pregnancies	3	Spontaneous Abortions (Miscarriages)	0
Full Term	3	Induced Abortions	0
Premature	0	Ectopic Pregnancies	0
Multiple Births	0		
Living Children	2	Menarche Age	12 years
DES Daughter	NO	Coitarche Age	18 years
		Menopause Onset Age	0 years

Pregnancy: Currently Pregnant YES

EDD (Estimated Due Date):
 Definitive 08/28/2012 based on ultrasound at 12 weeks
 by LMP 09/28/2012 very irregular menses
 by Ultrasound 08/28/2012 12 weeks
 by Clinical Parameters
 Method Unknown

Chief Complaint

Author: RICHARDS, SUSAN
 Chief Complaint: Patient presents for 32 week OB visit. Feels tired. Lots of fetal movement. No bleeding

Nurse enters chief complaint

Allergies/ADR:

Agent	Type	Reaction	Status	InA
HEPARIN SODI...	Drug, Food	ALOPECIA	Verified	

Update allergies

Status: All Active

Vital Display:

Vital	Value	Date
BP	120/80 mmHg	28-Jun-2012 14:19
EGA	32 2/7	28-Jun-2012 14:19
FT	159	28-Jun-2012 14:19
FH	32 cm (12.6 in)	28-Jun-2012 14:19
ED	0	28-Jun-2012 14:19
TMP	98.3 F (36.83 C)	08-Aug-2008 23:04
PU	70 /min	08-Aug-2008 23:04
RS	18 /min	08-Aug-2008 23:04
WT	262.57 lb (119...	08-Aug-2008 23:04
PA	10	08-Aug-2008 23:04
BMI	51.28	08-Aug-2008 23:04
HT	60 in (152.4 cm)	04-Feb-2008 20:40
BMI%	100 %	24-Aug-2004 09:30

Figure 1-2: Reproductive Factors and Chief Complaints

1.1.3 Lab Tab with Preconfigured Worksheet

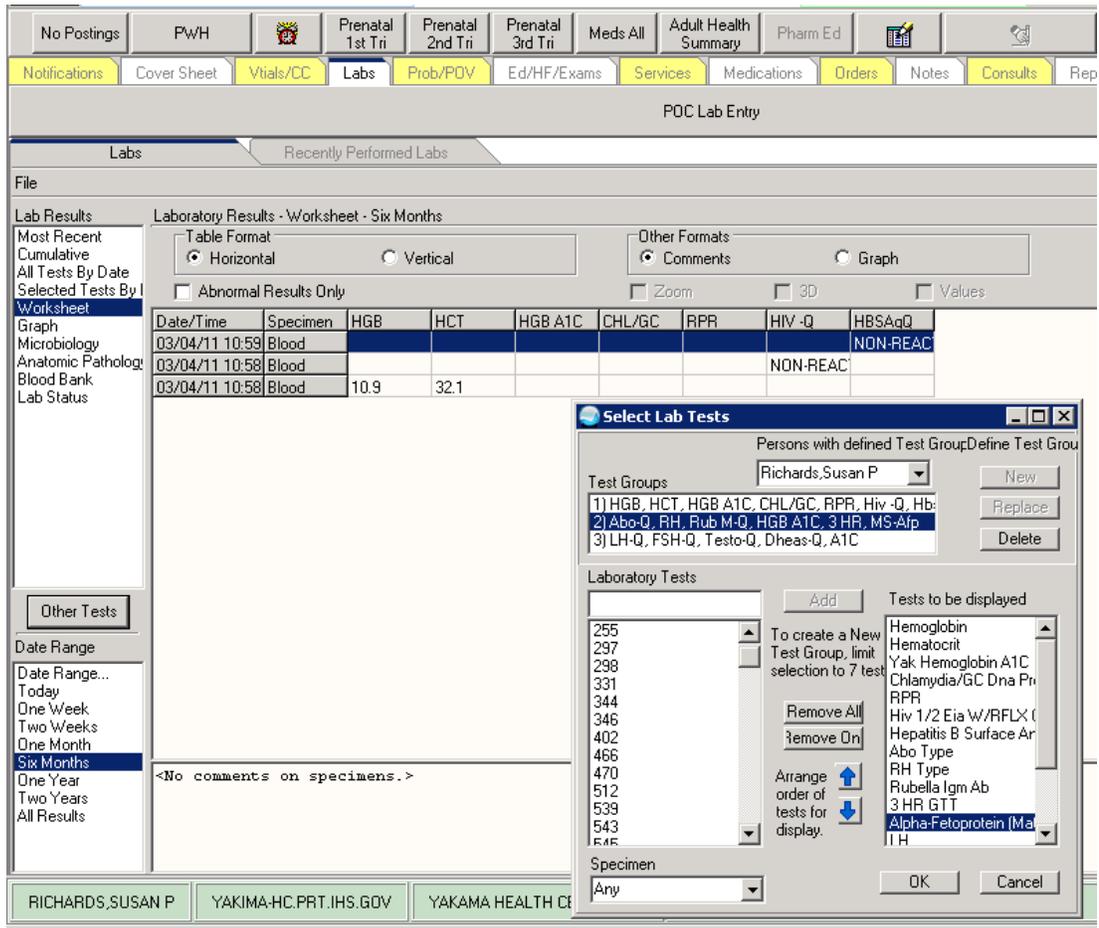


Figure 1-3: Sample Lab tab

1.1.4 Enter POV and Patient Ed Using Pick Lists

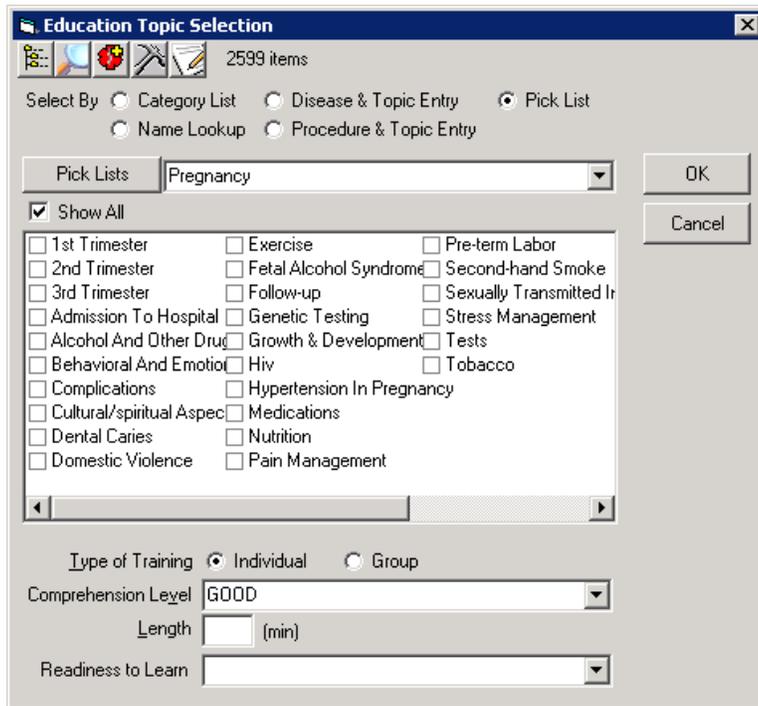


Figure 1-4: Sample Pick Lists

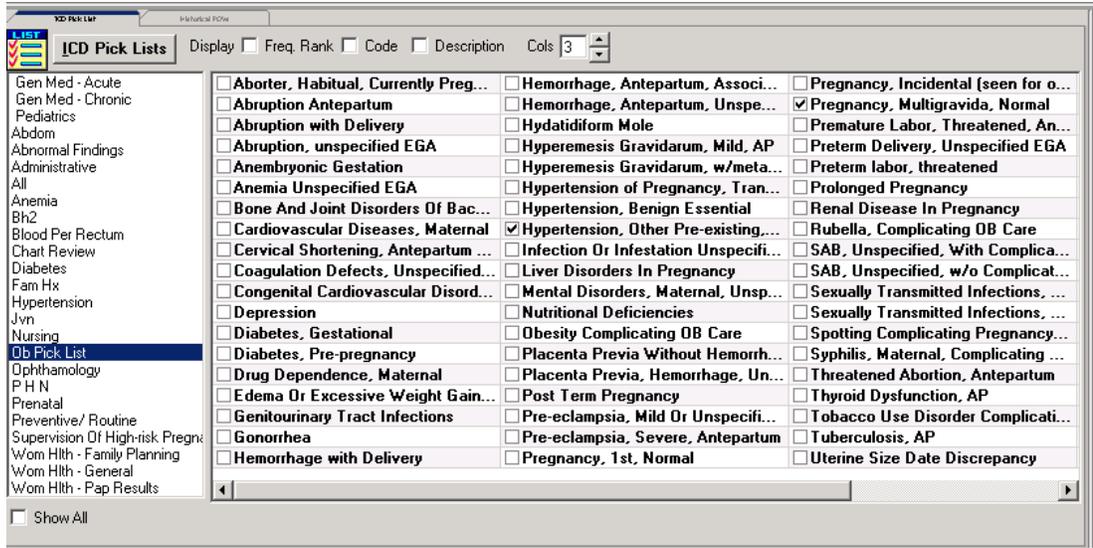


Figure 1-5: Sample OB Pick List

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.

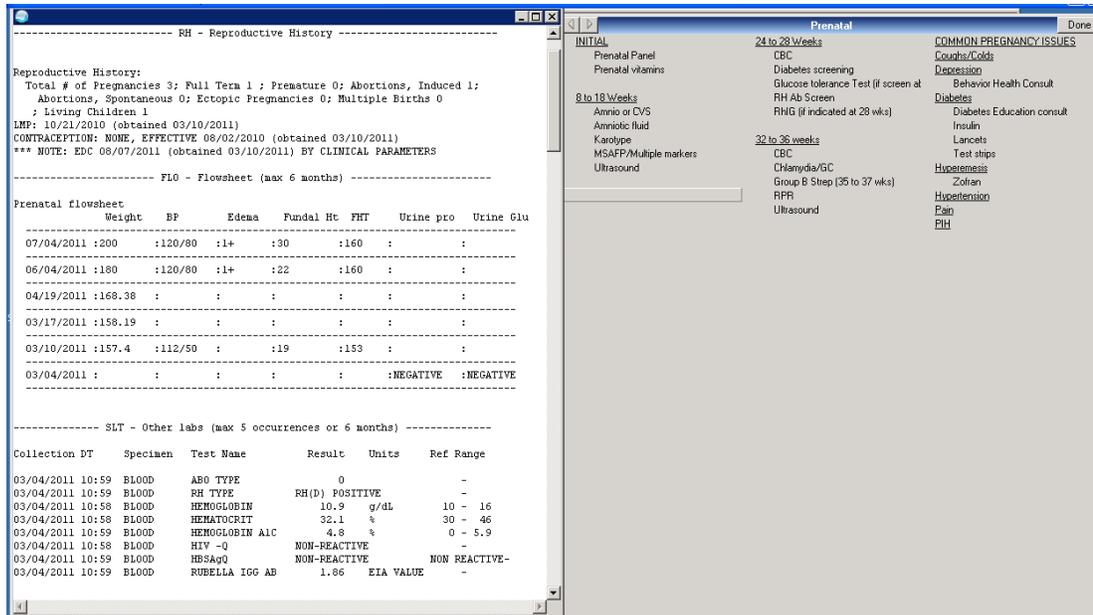


Figure 1-6: Sample Prenatal flowsheet

1.1.6 Quick Notes – Shortcut to Note Title/Template

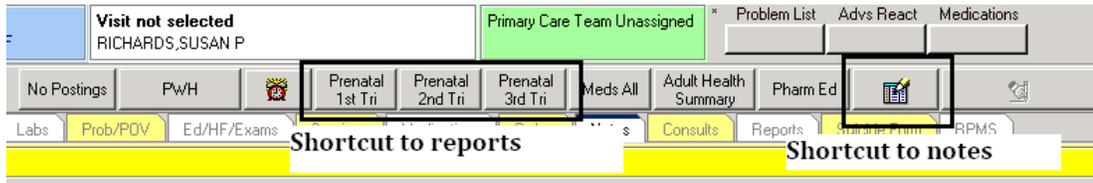


Figure 1-7: Sample EHR Shortcut Buttons

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

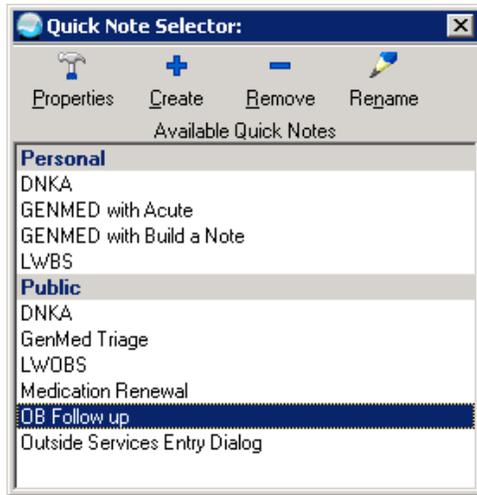


Figure 1-8: Quick Note Selector

This opens predefined Note Title and Template.

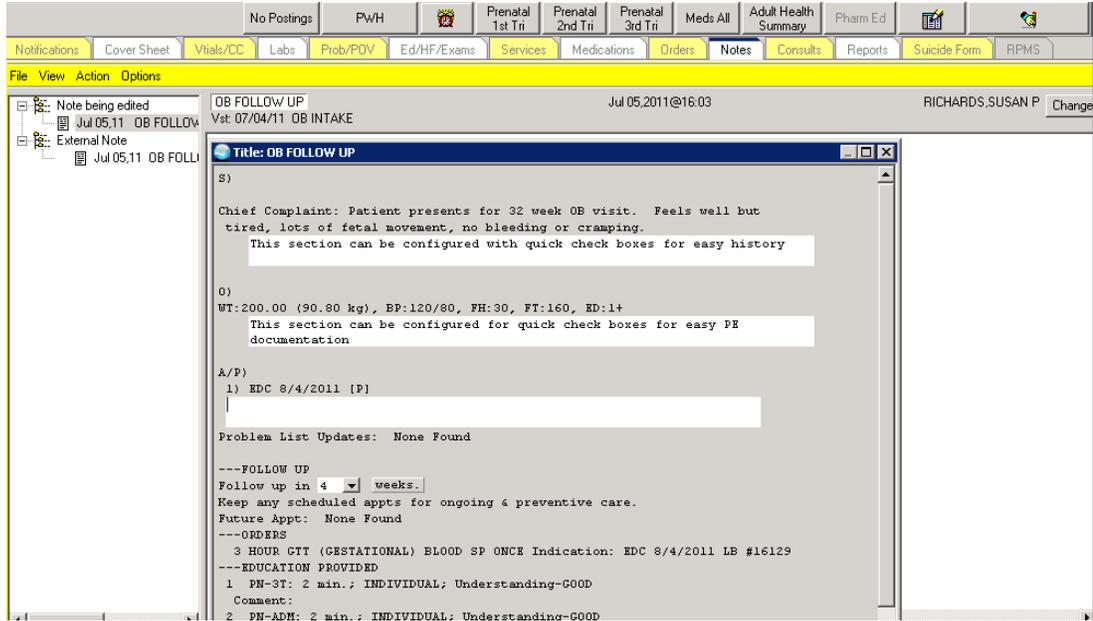


Figure 1-9: Sample predefined Note Title and Template

1.1.7 Sample Reminder Dialog Displayed

Reminder Dialog Template: Prenatal Follow up dialog

Prenatal follow up
 Weeks gestation *23 (best estimate)

S)
 Chief Complaint: Presents for prenatal visit. Feels well.

Preterm labor symptoms Present Absent
 Fetal movement yes no n/a
 Vaginal bleeding * No Yes, explain:

O)
 BP:120/80, PU:60, RS:16, FH:24, FT:155, ED:0

A/P)
 1) Pregnancy, Multigravida, Normal [P]
 2) Hypertension, Other Pre-existing, AP
 Problem List Updates: None Found

---FOLLOW UP
 Follow up in 4 weeks for next prenatal follow up
 Keep any scheduled appts for ongoing & preventive care.
 Future Appt: None Found

---EDUCATION PROVIDED

1 PN-2T: min.; INDIVIDUAL; Understanding-GOOD
 Comment:
 2 PN-EX: min.; INDIVIDUAL; Understanding-GOOD
 Comment:
 3 PN-HTNP: min.; INDIVIDUAL; Understanding-GOOD
 Comment:
 4 PN-PTL: min.; INDIVIDUAL; Understanding-GOOD

* Indicates a Required Field

4 PN-PTL: min.; INDIVIDUAL; Understanding-GOOD
 Comment:

<No encounter information entered>

Finish Cancel

Figure 1-10: Sample Reminder dialog

Brief SOAP

----- RH - Reproductive History -----

Reproductive History:
 Total # of Pregnancies 1
 Full Term 0
 Premature 0
 Abortions, Induced 1
 Abortions, Spontaneous 0
 Ectopic Pregnancies 0
 Multiple Births 0
 Living Children 0
 LMP: 11/24/2012
 Contraception: OTHER (obtained 04/26/2012)
 *** NOTE: EDC 04/09/2013 (obtained 01/28/2013) BY SONOGRAM
 Lactation Status: NOT LACTATING JUL 19, 2012
 ----- FLO - Flowsheet (max 3 months) -----

PRENATAL	EGA	WT	BP	Edema	FH (cm)	FHT	U Pro	U Glu
02/05/2013	:30 2/7	:165	:120/80	:0	:31	:150	:NEGATIVE	:NEGATIVE

----- SLT - Lab Tests Selected (max 3 months) -----
 No data available for HGB; AB0; RH ; CHLAMYDIA, DNA PROBE;
 HIV SCREEN (Requires consent form)

----- SHF - Health Factor Select (max 1 occurrence or 1 year) -----
 No data available for TOBACCO (SMOKING); TOBACCO (SMOKELESS - CHEWING/DIP);
 TOBACCO (EXPOSURE)

----- EXMS - Exams Selected (max 1 occurrence or 1 year) -----

Exam	Date	Result	Provider
*** END **** CONFIDENTIAL Prenatal 1st Trimester SUMMARY pg. 1 *****			

Title: PRENATAL

Subjective:
 Chief Complaint: Patient presents for prenatal visit. Feels good, no contractions, no bleeding, no swelling.
 This is a test template.

Objective:
 EGA:30 2/7, BP:120/80, WT:165.00 (74.91 kg), FT:150, FH:31, ED:0
 This is a test template

Assessment/Plan
 Prenatal latest visit
 1) Antenatal care! This is a test 4
 (Entered 10/9/12 by RICHARDS,SUSAN P)
 *2/5/13 by RICHARDS,SUSAN P - This is a test

2) Edema! swollen ankles
 (Entered 10/16/12 by RICHARDS,SUSAN P)
 *2/5/13 by RICHARDS,SUSAN P - This is a test2

3) Abusive behavior! test Chief MIS key
 (Entered 10/22/12 by RICHARDS,SUSAN P)

Visit Orders: URINALYSIS (DIPSTICK ONLY) URINE WC LB #952

Font Size: 9
Print...
Close
* Indicates a Required Field
Preview
OK

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:

100 User	USR	[choose from NEW PERSON]
200 Class	CLS	[choose from USR CLASS]
300 Service	SRV	[choose from SERVICE/SECTION]

```

400 Location      LOC      [choose from HOSPITAL LOCATION]
500 Division     DIV      [choose from INSTITUTION]
900 System       SYS      [YAKIMA-HC.PRT.IHS.GOV]

Enter selection: 200 Location  USER CLASS
Select HOSPITAL LOCATION NAME: 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 O2 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

Parameter	Instance	Value
USER CLASS: OB CLINICIAN	5	HEIGHT
USER CLASS: OB CLINICIAN	10	WEIGHT
USER CLASS: OB CLINICIAN	15	BLOOD PRESSURE
USER CLASS: OB CLINICIAN	20	PULSE
USER CLASS: OB CLINICIAN	25	RESPIRATIONS
USER CLASS: OB CLINICIAN	30	PAIN
USER CLASS: OB CLINICIAN	35	O2 SATURATION
USER CLASS: OB CLINICIAN	40	PEAK FLOW
USER CLASS: OB CLINICIAN	45	ESTIMATED GESTATIONAL AGE
USER CLASS: OB CLINICIAN	50	FUNDAL HEIGHT
USER CLASS: OB CLINICIAN	55	FETAL HEART TONES
USER CLASS: OB CLINICIAN	60	EDEMA

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

```

Vital signs list for cover sheet may be set for the following:

100 User          USR      [choose from NEW PERSON]
200 Class         CLS      [choose from USR CLASS]
300 Service       SRV      [choose from SERVICE/SECTION]
    
```

```

400 Location      LOC      [choose from HOSPITAL LOCATION]
500 Division      DIV      [choose from INSTITUTION]
900 System        SYS      [YAKIMA-HC.PRT.IHS.GOV]

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

Sequence  Value
-----  -
10        HEIGHT
20        WEIGHT
30        BODY MASS INDEX
40        B.M.I. PERCENTILE
50        TEMPERATURE
60        BLOOD PRESSURE
70        PULSE
80        RESPIRATIONS
90        PAIN
100       O2 SATURATION
110       PEAK FLOW
112       BEST PEAK FLOW
114       ASTHMA SYMPTOM FREE DAYS
115       ASTHMA WORK/SCHOOL DAYS MISSED
116       FEF 25-75
118       FEV1/FVC
120       HEAD CIRCUMFERENCE
130       WAIST CIRCUMFERENCE
140       EDEMA
145       CARDIAC EJECTION FRACTION

```

Add the measurement to the display:

```

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

100 User          USR      [choose from NEW PERSON]
200 Class         CLS      [choose from USR CLASS]
300 Service       SRV      [choose from SERVICE/SECTION]
400 Location      LOC      [choose from HOSPITAL LOCATION]
500 Division      DIV      [choose from INSTITUTION]
900 System        SYS      [YAKIMA-HC.PRT.IHS.GOV]

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.

Default Units	28-Jun-2012 14:19	Range	Units
O2 Saturation			%
Peak Flow			
Last Known Well			
PHQ2			
PHQ9			
Audit-C			
Audit			
Craft			
Estimated Gestational Age	32 2/7		
Fundal Height	32		cm
Fetal Heart Tones	159		
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.

Default Units	01-Jul-2011 17:13	Range
Height		
Weight		
Temperature		
Blood Pressure		90
Pulse		60
Respirations		
Pain		
O2 Saturation		
Peak Flow		
Best Peak Flow		
Asthma Symptom Free Days		
Asthma Work/School Days Missed		
Fev1/FVC		
Fef 25-75		
Head Circumference		
Waist Circumference		17
Edema		

Figure 2-2: Sample Vital Entry display with Measurements

Check the cover sheet display to ensure that the new measurements are displayed.

Vitals Display		Vitals Entry	
Vital	Value	Date ▲	
HT	66.5 in (168.91...	09-Feb-2010 11:26	
WT	220 lb (99.79 kg)	09-Feb-2010 11:26	
BMI	34.98	09-Feb-2010 11:26	
TMP	97.9 F (36.61 C)	09-Feb-2010 11:26	
BP	141/75 mmHg	09-Feb-2010 11:26	
PU	79 /min	09-Feb-2010 11:26	
RS	20 /min	09-Feb-2010 11:26	
PA	8	09-Feb-2010 11:26	
O2	97 %	09-Feb-2010 11:26	
ED	1+	01-Jul-2011 17:14	
FT	155	01-Jul-2011 17:14	
FH	34 cm (13.39 in)	01-Jul-2011 17:14	

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.

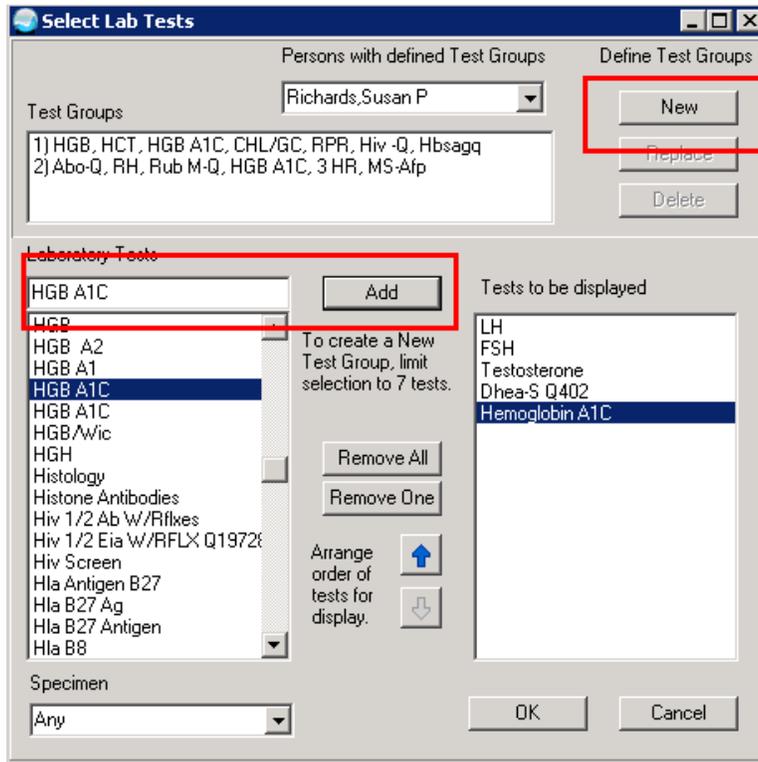


Figure 3-1: Select Lab Tests dialog

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.

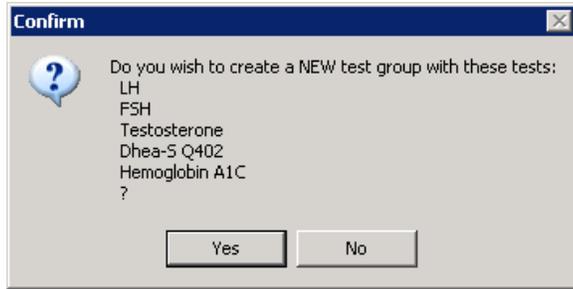


Figure 3-2: Confirmation dialog

4. Click **Yes**. Note the group is available to display.

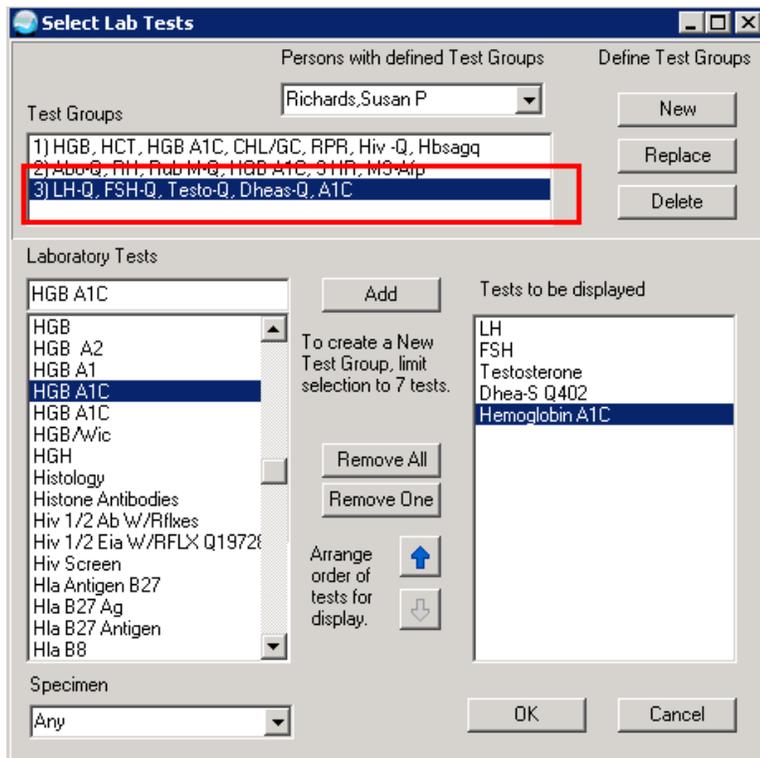


Figure 3-3: Tests to be displayed

Displays in a grid format and display may be expanded or limited by timeframes.

Laboratory Results - Worksheet - One Year

Table Format: Horizontal Vertical

Other Formats: Comments Graph

Abnormal Results Only Zoom 3D Values

Date/Time	Specimen	LH-Q	FSH-Q	TESTO-Q	DHEAS-Q	A1C	HGB	HCT	HGB A1C	CHL/GC	RPR	HIV-Q	HBSAqQ
03/04/11 10:58	Blood					4.8							
03/04/11 10:58	Blood											NON-REAC	NON-REAC
03/04/11 10:58	Blood						10.9	32.1				NON-REAC	
03/04/11 10:58	Blood												

Other Tests

Date Range: Today One Week Two Weeks One Month Six Months One Year Two Years All Results

<No comments on specimens.>

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.

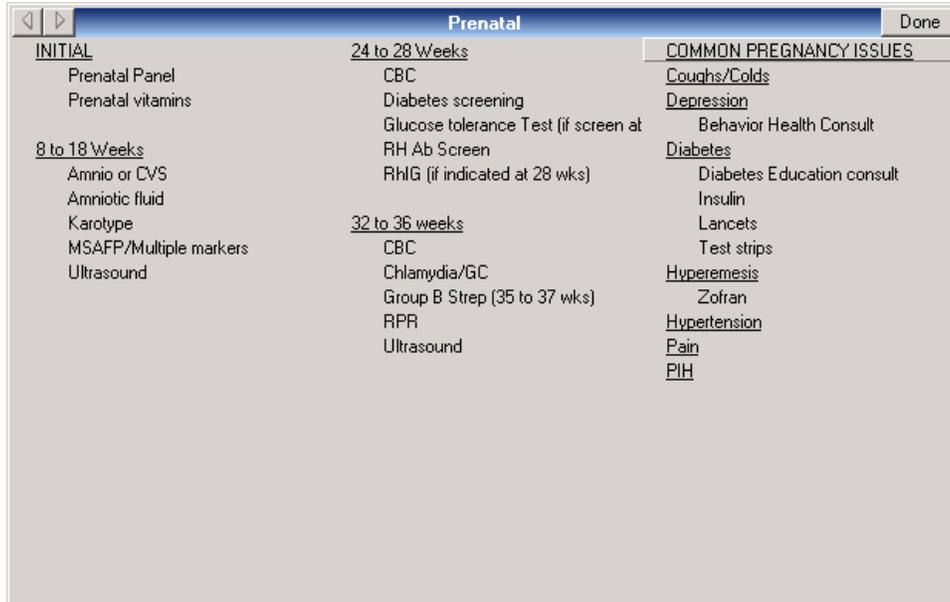


Figure 4-1: Prenatal menu

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 converts 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	

06/28/2012	:32	2/7	:263	:120/80	:0	:32	:159	:T	:N
05/31/2012	:27	3/7	:341	:110/70	:0	:26	:162	:	:
04/26/2012	:22	6/7	:319	:100/60	:0	:23	:158	:	:
01/25/2012	:	:	:	:130/80	:	:	:	:	:
01/18/2012	:	:	:	:119/70	:	:	:	:	:

5.1.2 Instructions

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

```

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 in 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 HEIGHT FH      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

```

```

2  URINE PROTEIN  PROTEIN, 24 HOUR URINE
3  URINE PROTEIN  PROT/CREAT RATIO, UR RANDOM
4  URINE PROTEIN  ELECTROPHORESIS
5  URINE PROTEIN SPOT  PROTEIN UR, RANDOM
CHOOSE 1-5: 1  URINE PROTEIN
Select MEMBERS:
Select ITEM ORDER: 40
ITEM ORDER ITEM TYPE: LAB RESULT
ITEM TYPE: LAB RESULT//
ITEM LABEL: Urine Glu
ITEM WIDTH: 10
Select MEMBERS: LAB.URINE GLU

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

Searching for a Lab test
URINE GLUCOSE
...OK? Yes// (Yes)
Select MEMBERS:
Select ITEM ORDER:
Select EVOKING CODES:
Select CLINIC DISPLAY RESTRICTIONS:

```

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

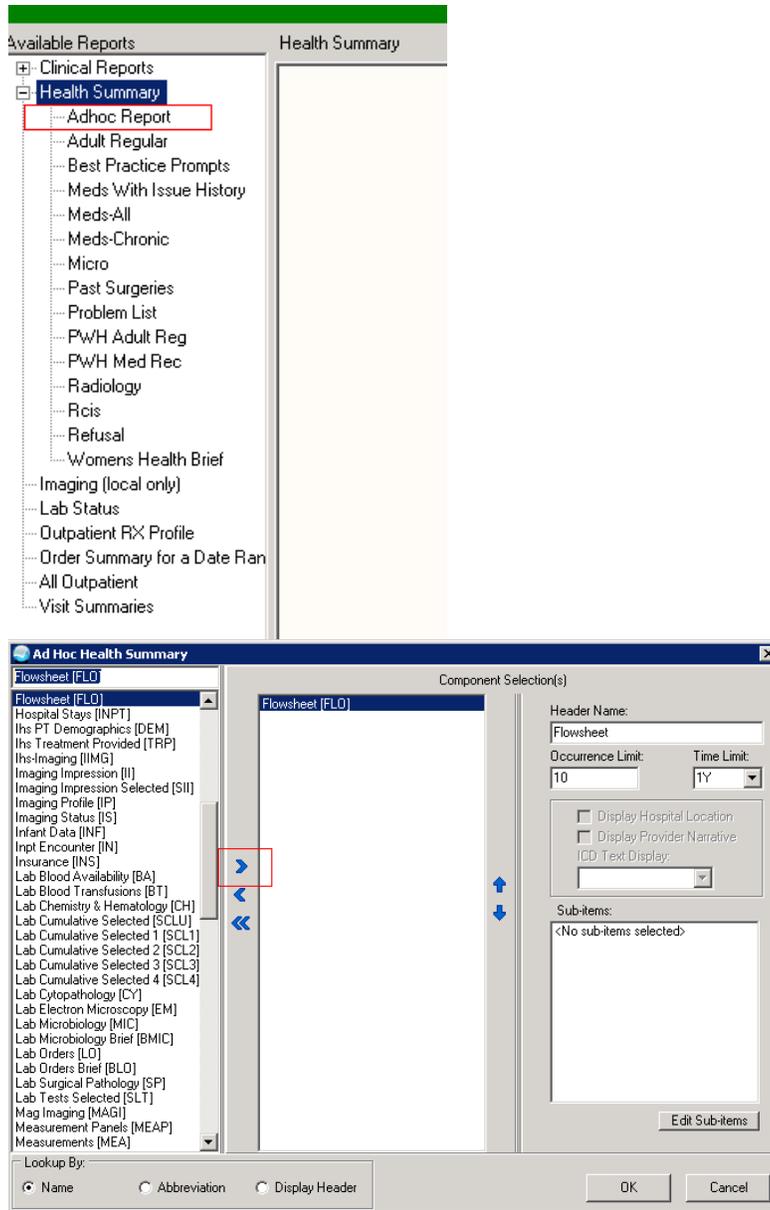


Figure 5-1: Ad Hoc Health Summary

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.

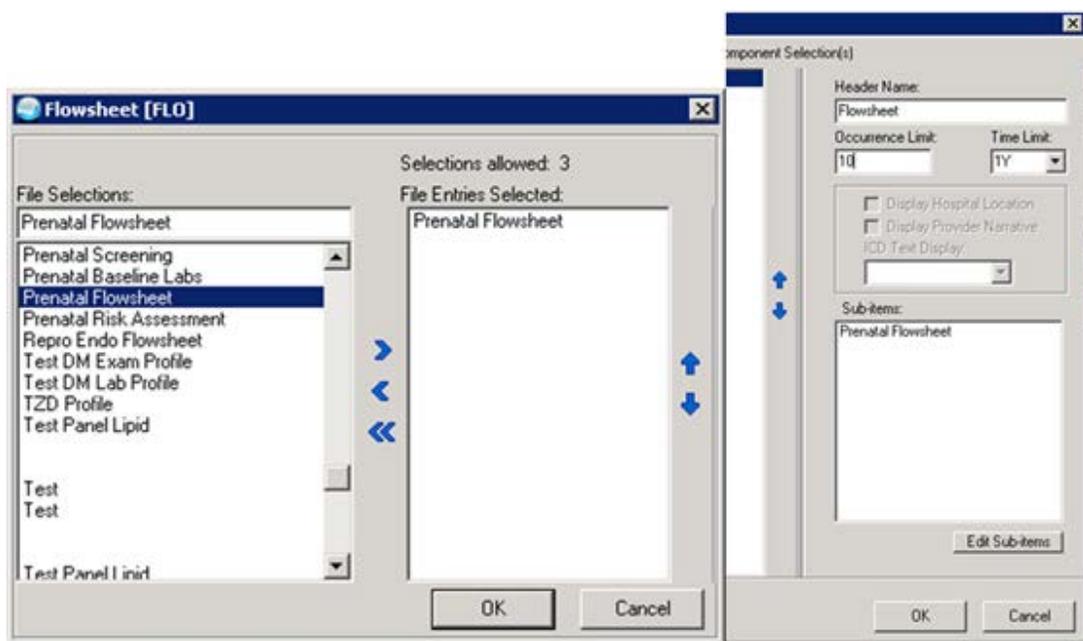


Figure 5-2: Flowsheet example

```

----- FLO - Flowsheet (max 10 occurrences or 1 year) -----
Prenatal
      EGA      WT      BP      EDEMA      Fundal Ht      FHT      U Pro      U GLU
-----
06/28/2012 :32 2/7 :263      :120/80 :0      :32      :159      :T      :N
-----
05/31/2012 :27 3/7 :341      :110/70 :0      :26      :162      :      :
-----
04/26/2012 :22 6/7 :319      :100/60 :0      :23      :158      :      :
-----
01/25/2012 :      :      :130/80 :      :      :      :      :
-----
01/18/2012 :      :      :119/70 :      :      :      :      :
-----
    
```

5.2 Creating Health Summaries for 1st, 2nd, and 3rd 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]

```


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)

    Searching for a HEALTH FACTOR
    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)

    Searching for a HEALTH FACTOR
    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 STRUCT
  URE)? 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
    
```

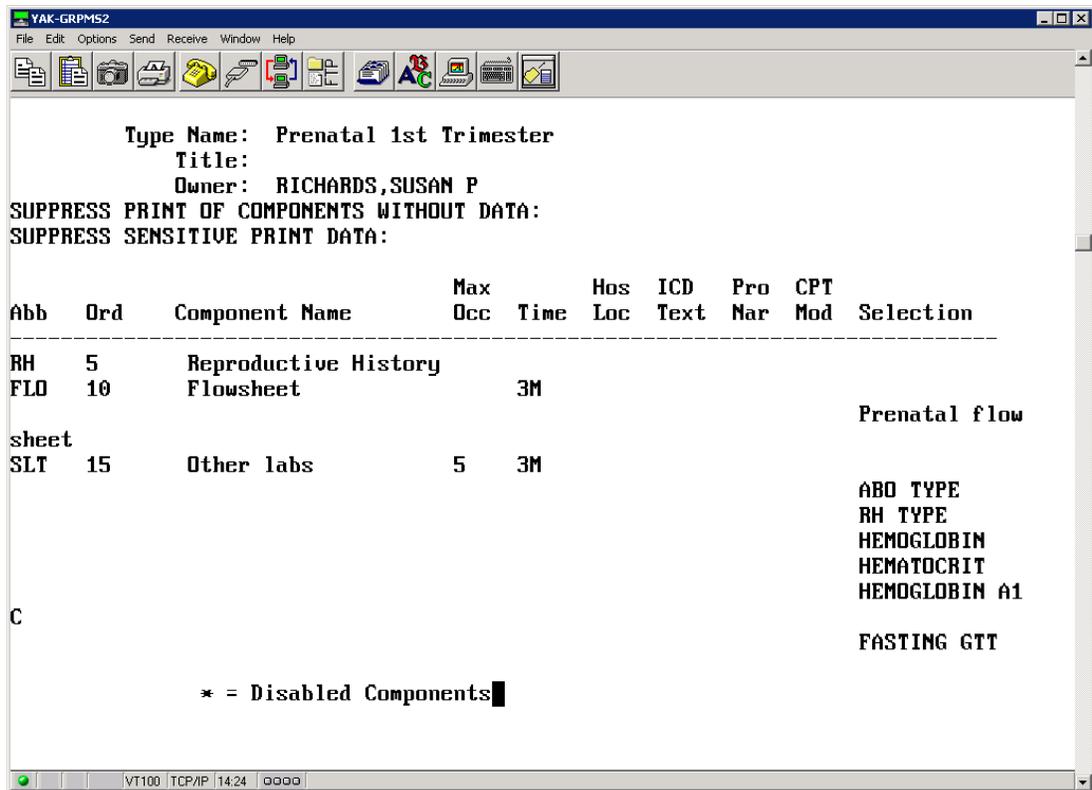


Figure 5-3: Prenatal Flowsheet

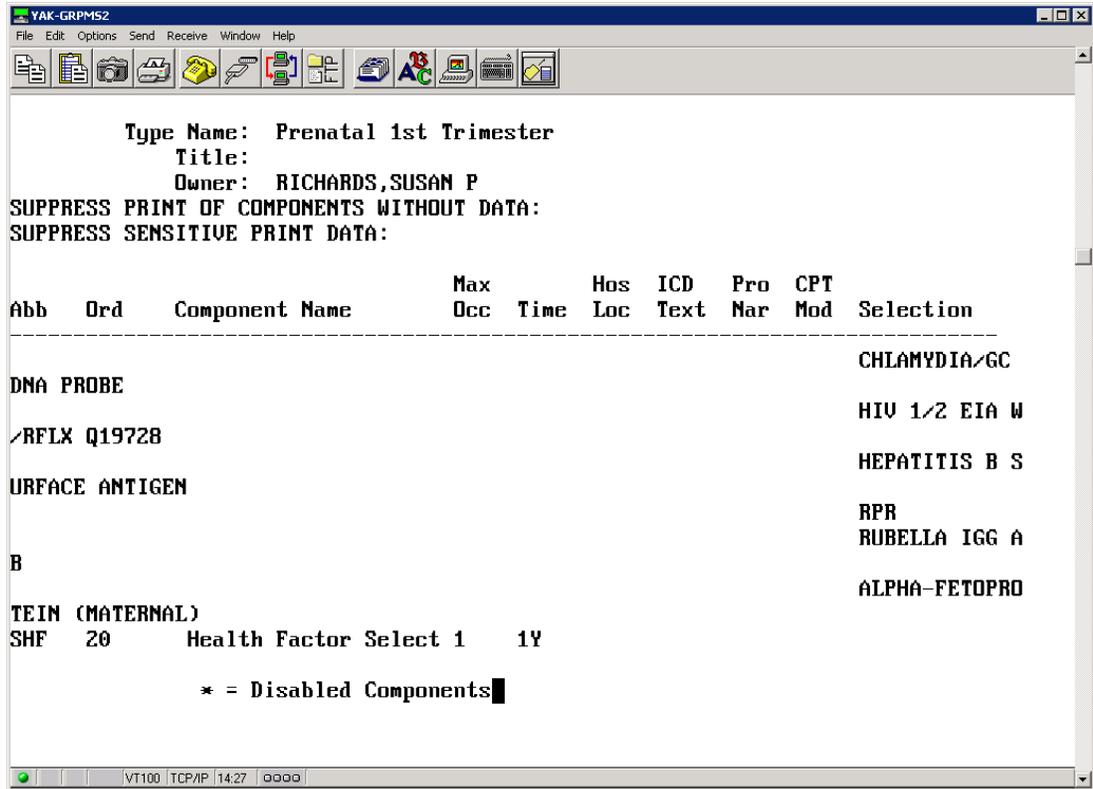


Figure 5-4: Prenatal Flowsheet (cont.)

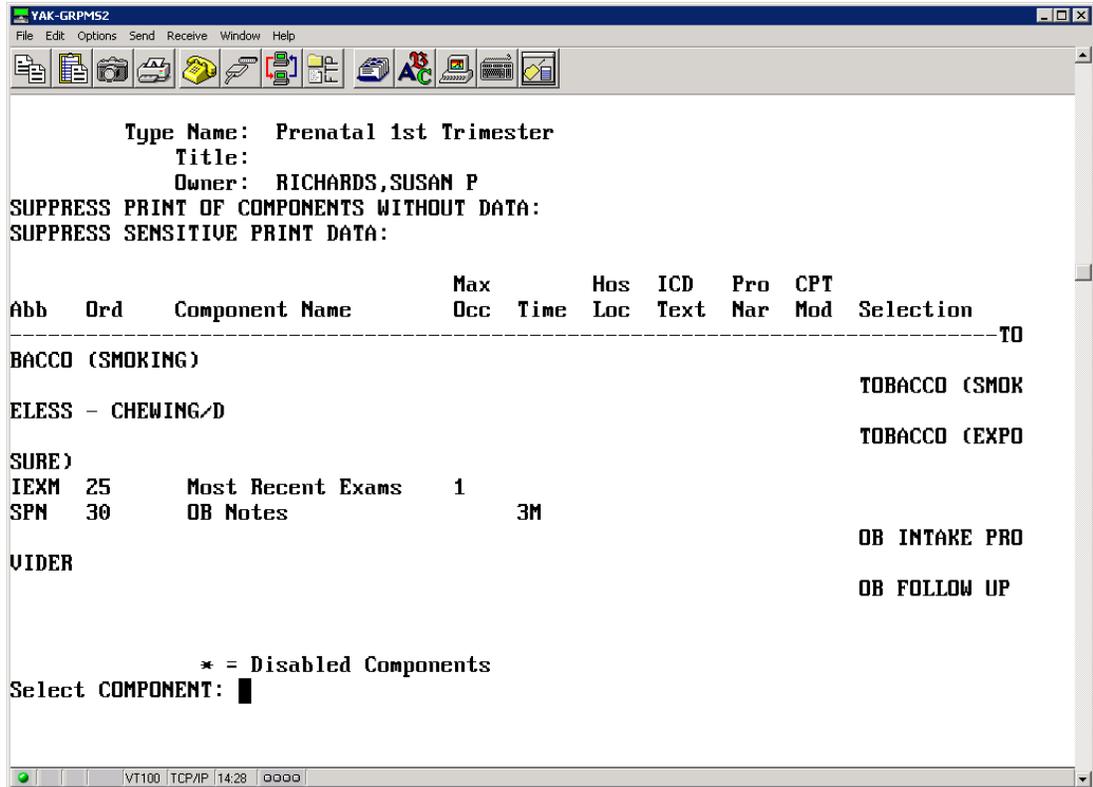


Figure 5-5: Prenatal Flowsheet (cont.)

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:
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.


```

Type Name:  Prenatal 2nd Trimester
Title:
Owner:  RICHARDS,SUSAN P
SUPPRESS PRINT OF COMPONENTS WITHOUT DATA:
SUPPRESS SENSITIVE PRINT DATA:

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

* = 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//
TIME LIMIT: 3M// 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
    
```

```

-----
05/31/2012 :27 3/7 :341 :110/70 :0 :26 :162 : :
-----
04/26/2012 :22 6/7 :319 :100/60 :0 :23 :158 : :
-----
01/25/2012 : : :130/80 : : : : :
-----
01/18/2012 : : :119/70 : : : : :
-----

----- SLT - Other labs (max 5 occurrences or 9 months) -----
Collection DT      Specimen      Test Name      Result      Units      Ref Range
03/04/2011 10:59 BLOOD        ABO TYPE      O            -           -
03/04/2011 10:59 BLOOD        RH TYPE      RH(D) POSITIVE -           -
03/04/2011 10:58 BLOOD        HEMOGLOBIN    10.9        g/dL       10 - 16
03/04/2011 10:58 BLOOD        HEMATOCRIT    32.1        %          30 - 46
03/04/2011 10:59 BLOOD        HEMOGLOBIN A1C 4.8        %          0 - 5.9
03/04/2011 10:58 BLOOD        HIV -Q       NON-REACTIVE -           -
03/04/2011 10:59 BLOOD        HBSAgQ      NON-REACTIVE NON REACTIVE-
03/04/2011 10:59 BLOOD        RUBELLA IGG AB 1.86        EIA VALUE  -

----- IEXM - Most Recent Exams (max 1 occurrence) -----
Exam              Date           Result         Provider
DOMESTIC VIOLENCE SCREENING 08/02/2010  NORMAL/NEGATIVE CUNNINGHAM,MARG
ALCOHOL SCREENING          08/02/2010  NORMAL/NEGATIVE CUNNINGHAM,MARG
DEPRESSION SCREENING       08/02/2010  NORMAL/NEGATIVE CUNNINGHAM,MARG

----- SHF - Health Factor Select (max 1 occurrence or 1 year) -----
Category
Health Factor      Visit Date
TOBACCO (SMOKING)
NEVER SMOKED      08/02/2010
TOBACCO (SMOKELESS - CHEWING/DIP)
NEVER USED SMOKELESS TOBACCO 08/02/2010

----- SPN - OB Notes (max 9 months) -----
07/04/2011 21:16 Title: OB FOLLOW UP
S)

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                                NAME: Prenatal 1st Trimester
OWNER: RICHARDS,SUSAN P
SUMMARY ORDER: 5                             COMPONENT NAME: REPRODUCTIVE HISTORY
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

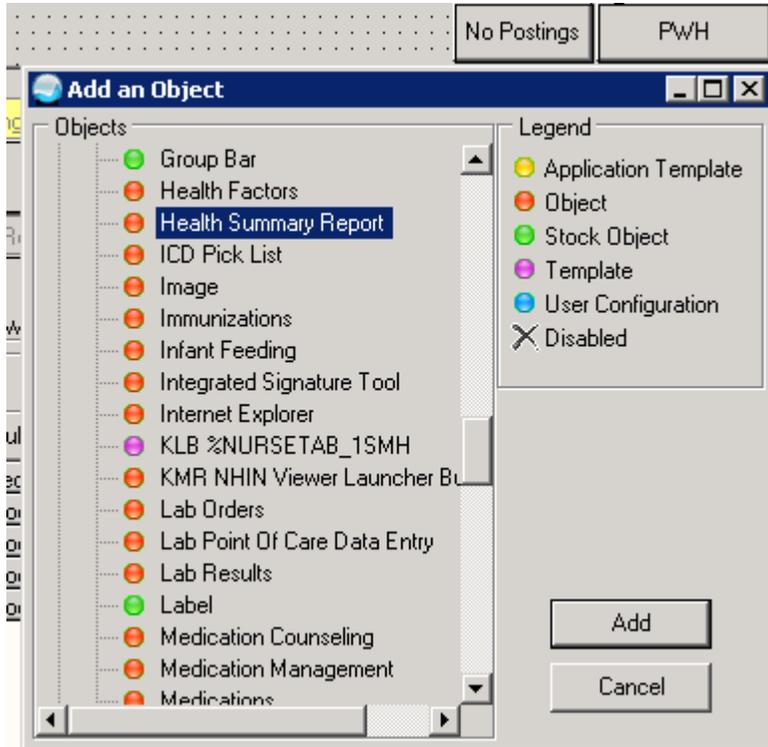


Figure 6-1: Add an Object



Figure 6-2: Health Summary Report

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)

Property	Value
TOP	2
LEFT	580
HEIGHT	32
WIDTH	61
ALIGN	Right
ANCHORS	<input checked="" type="checkbox"/> Left; Right; Bottom
GLYPH	...
CAPTION	Prenatal 3rd Tri
LAYOUT	Image appears on the left.
ASYNCHRONOUS	<input type="checkbox"/> False
ENCOUNTERREQUIRED	<input type="checkbox"/> False
REFRESHOPTION	Ignore refresh requests.
REPORT	1^93
TITLE	

OK Cancel Apply

Figure 6-3: Properties for Health Summary Report dialog

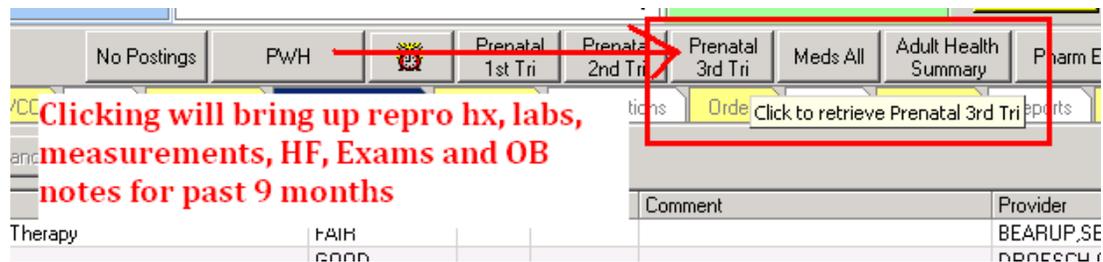


Figure 6-4: EHR panel

```

----- 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 9 months) -----
Prenatal flowsheet
      Weight      BP      Edema      Fundal Ht  FHT      Urine pro  Urine Glu
-----
07/04/2011 :200      :120/80  :1+      :30      :160      :          :
-----
06/04/2011 :180      :120/80  :1+      :22      :160      :          :
-----
04/19/2011 :168.38   :         :         :         :         :         :
-----
03/17/2011 :158.19   :         :         :         :         :         :
-----
03/10/2011 :157.4    :112/50  :         :19      :153      :         :
-----
03/04/2011 :         :         :         :         :         :NEGATIVE  :NEGATIVE
-----

----- SLT - Other labs (max 5 occurrences or 9 months) -----
Collection DT      Specimen      Test Name      Result      Units      Ref Range
03/04/2011 10:59  BLOOD      ABO TYPE      0           -           -
-----
Font Size: 9
Print.. Close
    
```

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

```

Document Definitions (Manager)
(YAKAMA HEALTH CENTER IHS)

Select Division for PNs Outpatient Batch Print:

DDM1  Edit Document Definitions
DDM2  Sort Document Definitions
DDM3  Create Document Definitions
DDM4  Create Objects
DDM5  List Object Descriptions
DDM6  Create TIU/Health Summary Objects
DDM7  Title Headers/Footers

TIU Health Summary Object      Jul 06, 2011 11:36:20      Page: 1 of 4

TIU Object Name                Health Summary Type
1  ACEI/ARB FLOW                ACEI/ARB FLOW
2  ALLERGIES/ADVERSE DRUG RXN   No Health Summary Type Found
3  ANEMIA 12MO                 ANEMIA 12MO
4  ANTICOAG 3MO FLOW           ANTICOAG 3MO FLOWSHEET
5  ANTICOAG 6MO FLOW           ANTICOAG 6MO FLOWSHEET
6  ASTHMA TRIGGERS             ASTHMA TRIGGERS1
7  CREATININE LAST 6           Creatinine last 6
8  DIABETES REVIEW             Diabetes Review
9  DIABETIC SUPP              DIABETIC SUPP
10 DIMARD 6MO FLOWSHEET        DiMARD 6MO FLOWSHEET
11 DIMARD LAST 1 FLOWSHEET     DiMARD 1Y FLOWSHEET
12 DIMARD TX MONITOR 1Y        DiMARD Tx Monitor 1y
13 DIMARD TX MONITOR 6MO       DiMARD Tx Monitor 6MO
14 DM EXAM FLOWSHEET          DM EXAM FLOWSHEET
+  Enter ?? for more actions

```

```

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 Prenatal Comprehensive
Data

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...
```

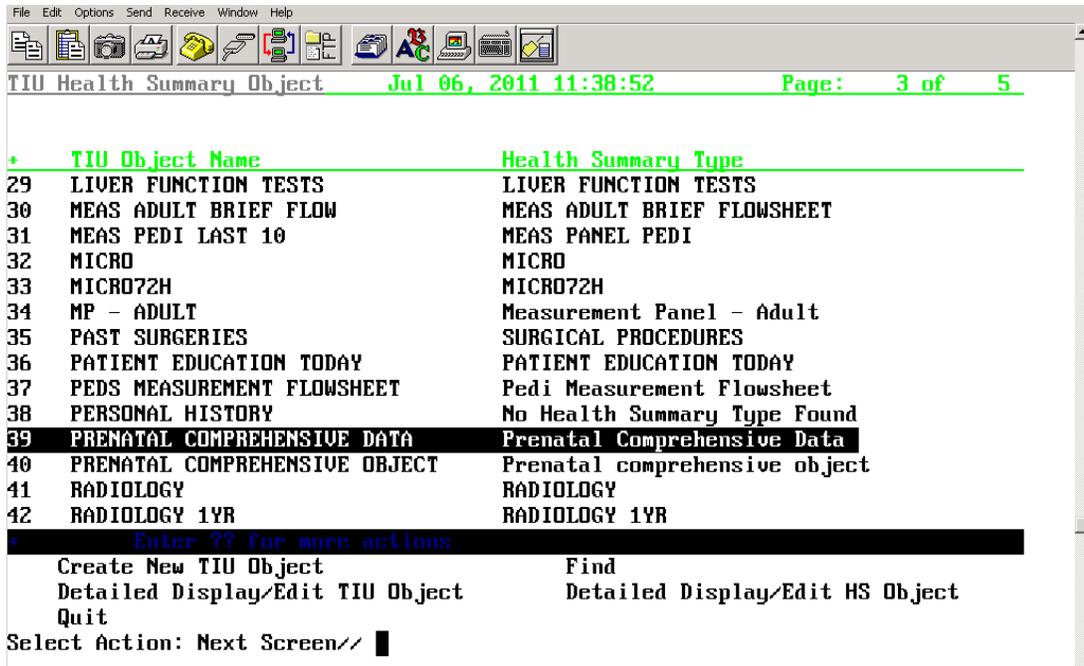


Figure 7-1: Prenatal TIU Object

Log off and log on to EHR to see the object in the TIU Template Editor.

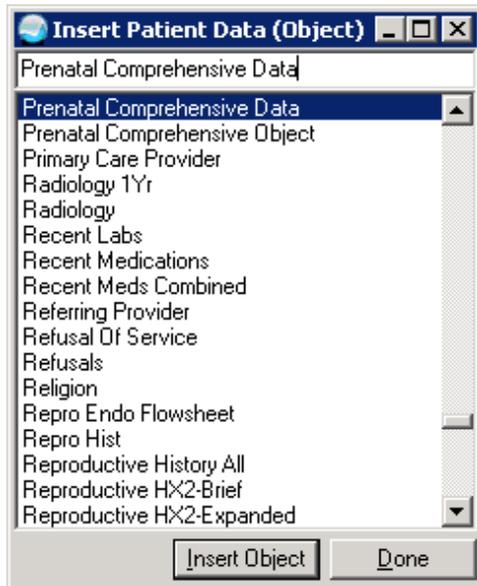


Figure 7-2: Insert Patient Data dialog

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.

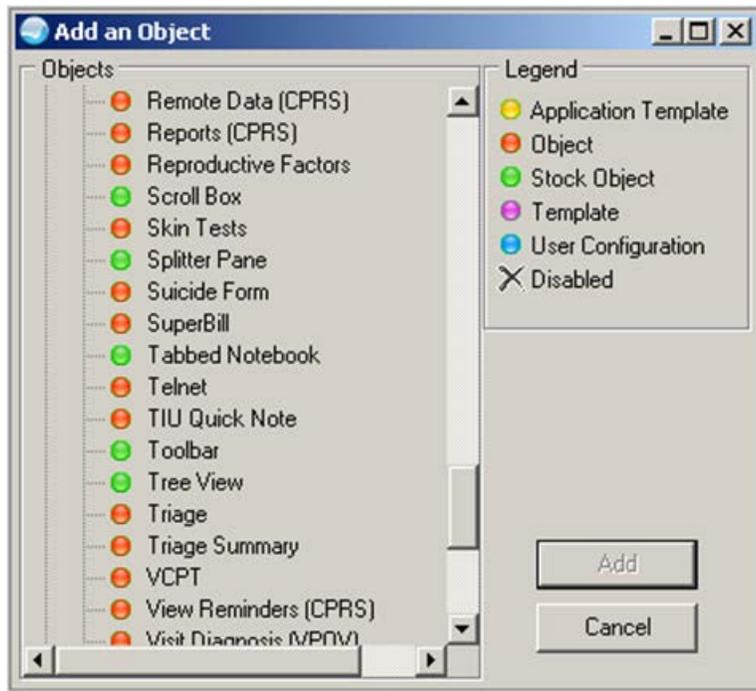


Figure 8-1: Add an Object dialog

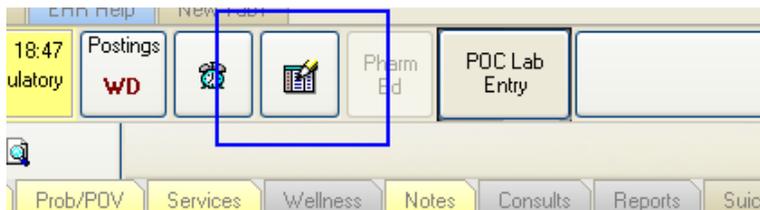


Figure 8-2: Quick Note icon

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**.

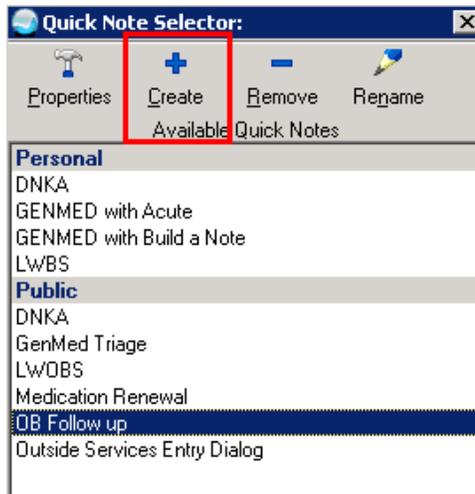


Figure 8-4: Creating a Quick Note

3. Name your quick note – Personal will only display for the person creating the quick note, public for all users on the system.



Figure 8-5: Create a New Quick Note dialog

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!

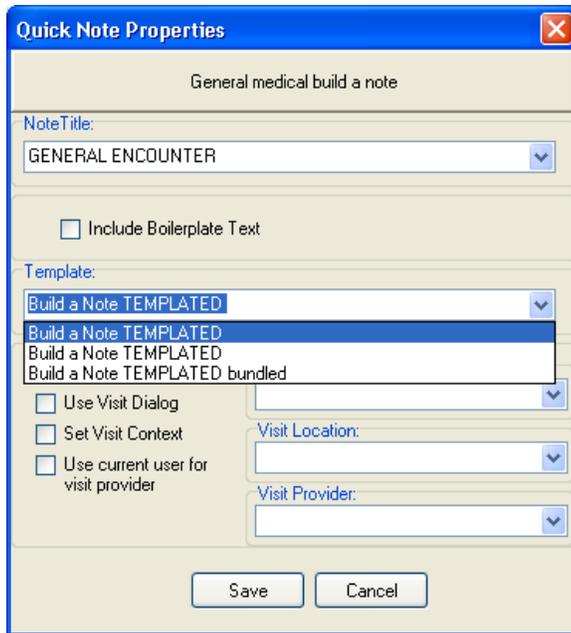


Figure 8-6: Quick Note Properties dialog

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**.

Figure 8-7: Populating the Visit Information

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;



Figure 8-8: Quick Note button

2. Double click the desired Quick Note

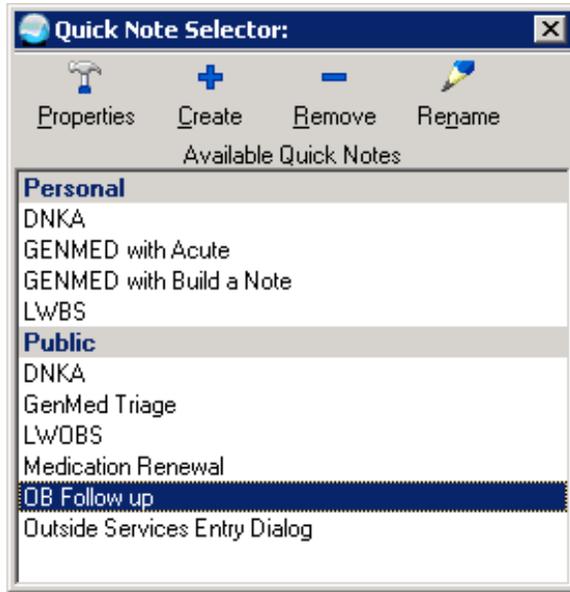


Figure 8-9: Quick Note Selector dialog

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

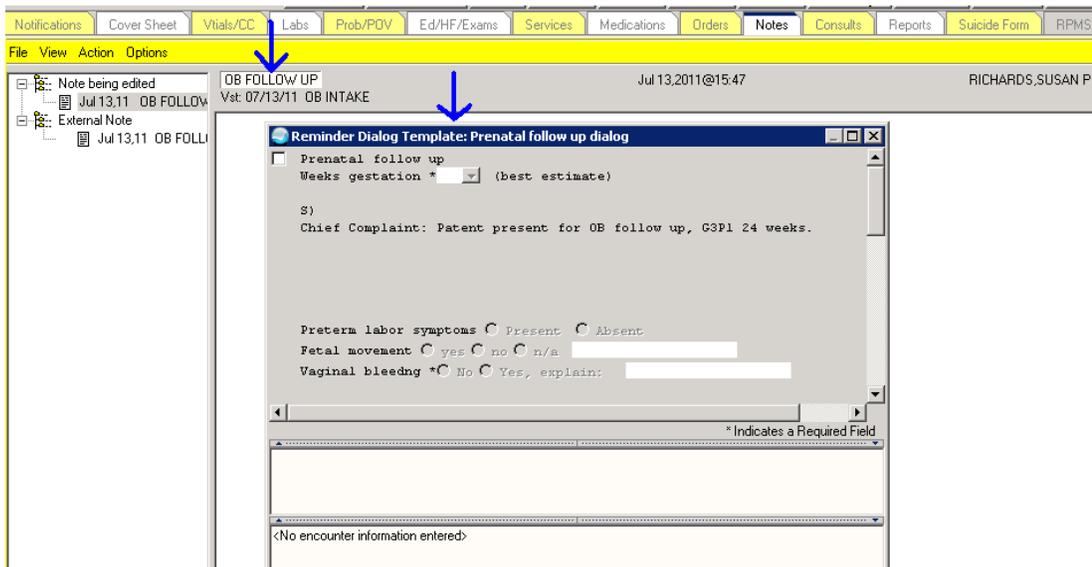


Figure 8-10: Pre-Defined reminder dialog

8.5 Sample Reminder Dialog Template

Reminder Dialog Template: Prenatal follow up dialog

Prenatal follow up
 Weeks gestation *23 (best estimate)

S)

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

Preterm labor symptoms Present Absent

Fetal movement yes no n/a

Vaginal bleeding * No Yes, explain:

O)

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

A/P)

1) EDC 8/4/2011 [P]
 2) DIPHTHERIA-TETANUS-PERTUSSIS, COMBINED [DTP] [DTAP]
 Problem List Updates: None Found

* Indicates a Required Field

Prenatal follow up **Whats in your note**
 Weeks gestation 23 (best estimate)

Orders: PLACEHOLDER **What goes into RPMS/EHR**

Finish Cancel

Figure 8-11: Reminder Dialog template

Reminder Dialog Template: Prenatal follow up dialog

--- Orders ---

--- Initial ---

Prenatal panel ordered, counseling for HIV testing provided
(ABO, RH Type, CBC, Rubella, RPR, UA, Urine culture, HbSag, HIV)

Level of Understanding:

Education duration:

Comment:

Prenatal Vitamins ordered

--- Order if indicated ---

Chlamydia/GC Screening ordered

Hgb Electrophoresis ordered

PPD ordered

--- Order when indicated (8-18 weeks) ---

* Amnio CVS ordered

Amniotic fluid (AFP) ordered

Karotype ordered

MSAFP/Multiple Markers ordered

Ultrasound ordered

--- Order when indicated (24-28 weeks) ---

CBC ordered

Diabetes screening ordered

GTT ordered (if screening abnormal)

RH Antibody screen

RhIG ordered (indicated at 28 weeks)

--- Order when indicated (32-36 weeks) ---

CBC ordered

Chlamydia/GC Screening ordered

Group B strep ordered (35-37 weeks)

RPR ordered

Ultrasound ordered

* Indicates a Required Field

Prenatal Vitamins ordered

Patient Educations: **HIV-TESTS**
Orders: **PLACEHOLDER, Prenatal vitamins QD**

Figure 8-12: Sample Reminder Dialog template

Acronym List

CAC	Clinical Application Coordinator
EHR	Electronic Health Record
GUI	Graphical User Interface
IHS	Indian Health Service
OB	Obstetrics
POV	Purpose of Visit
RPMS	Resource and Patient Management System
TIU	Text Integration Utilities
VA	Veterans Administration

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