



RESOURCE AND PATIENT MANAGEMENT SYSTEM

Prenatal Care Module

(BJPN)

Supplement: EHR Optimization for Prenatal Care

Version 1.0 March 2013

Office of Information Technology Division of Information Resource Management Albuquerque, New Mexico

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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 Infant Feeding Personal Health	Chief Complaint
Reproductive Factors	
	Author Chief Complaint
/ Menstrual Period	RICHARDS, SUSAN Pateint presents for 32 week UB visit. Feels tired. Lots of retai movement. No bleedi
Update reproductive factors	
Last 12/18/2011	Nurse enters chief complaint
Lactation	
Status NOT LACTATING	
Family Planning	Allergies/ADR Activity Time
Review	Agent ▲ Type Reaction Status I
Update	HEPARIN SODI Drug, Food ALOPECIA Verified
	Update allergies
History	
Total # of pregnancies 3 Spontaneous Abortions (Miscarriages) 0	
Full Term 3 Induced Abortions 0	
Premature o Ectopic Pregnancies o	
Multiple Riths	Status
Menarche Age 12 years	All O All
Living Unitation 2 Coltarche Age 18 years	
DES Daughter NO Menopause Onset Age 0 years	Vital Entry Vital Display
Promotory	Vital Value Date 🕆
r regitality	BP 120/80 mmHg 28Jun-2012 14:19
Currently Pregnant YES	EGA 32 2/7 28-Jun-2012 14:19 Measurement
EDD (Extincted Due Date)	FH 32 cm (12 6 in) 28 Jun 2012 14:19 display
D G X = 00/20/2012 have des ubserved at 12 weeks	ED 0 28Jun-2012 14:19
Demnitive Uov2ov2012 Dased on ultrasound at 12 weeks	TMP 98.3 F (36.83 C) 08-Aug-2008 23:04
by LMP 09/28/2012 very irregular menses	PU /U/mn 08-Aug-2008 23:04
hu Ultranuel 00/20/2012 12 unally	WT 262.57 b (119 08-Aug-2008 23:04
by Ultrasound U8/28/2012 12 weeks	PA 10 08-Aug-2008 23:04
by Clinical Parameters	BMI 51.28 08-Aug-2008 23:04
Method Unknown	HI 50 in (152.4 cm) U4+eb-2008 20:40
	0mi% 100 % 249Augr2004 05:30

Figure 1-2: Reproductive Factors and Chief Complaints

1.1.3 Lab Tab with Preconfigured Worksheet

No Postings	PWH	ð	Prenatal 1st Tri	Prenatal 2nd Tri	Prenatal 3rd Tri	Meds All	Adult Health Summary	Pharm Ed		<u></u>	
Notifications	Cover Sheet	Vtials/CC	Labs	Prob/POV	Ed/HF/E>	ams Se	rvices Med	ications 0	rders Not	es Consults	Rep
							POC Lab Entr	y			
Labs		Recent	ly Performed	d Labs							
File											
Lab Results	Laboratory Res	ults - Worksł	neet - Six M	onths							
Most Recent Cumulative All Tests By Date	Table Forn Horizon	nat ntal	C V	Vertical		•	ther Formats Comments	C	Graph		
Selected Tests By I	🔲 Abnorma	al Results On	ly			Г	Zoom	🗖 3D	Г	Values	
Graph	Date/Time	Specimen	HGB	НСТ	HGB A1	C CHL/GI	C RPR	HIV-Q	HBSAqQ		
Microbiology	03/04/11 10:5	9 Blood							NON-REAC		
Blood Bank	03/04/11 10:5	8 Blood	10.9	32.1				NUN-REAL	;		
Lab Status						Select	Lab Tests				
								Persons with	defined Test 6	arourDefine Tes	st Grou
								Bichards Sus	an P 💌	Mour	
						Test Grou	р» Ист. Иср. А1С			new	
						2) Abo-Q	, RH, Rub M-Q,	HGB A1C, 31	HR, MS-Afp	Heplac	
						[3] LH-Q,	FSH-Q, Testo-G	Į, Dheas-Q, A1	IC	Delete	<u> </u>
						Laboratory	y Tests	_			
Other Tests								Add	Tests t	o be displayed	
Data Rango						255	_	To create a	New Hemog	llobin perit	▲
Date Bange						298		I est Group, selection to	7 test Yak H	emoglobin A1C	
Today						331			BPB	idia/GC Dha Pri	
Une Week Two Weeks						346		Remove	All Hiv 17	2 Eia W/RFLX (
One Month						402		Remove (Dn Hepati Abo Ty	is B Surrace Ar Ipe	
Six Months One Year	<no comment<="" td=""><td>ts on spe</td><td>cimens.</td><td>></td><td></td><td>470</td><td></td><td>Arrange 4</td><td>RH Ty</td><td>pe</td><td></td></no>	ts on spe	cimens.	>		470		Arrange 4	RH Ty	pe	
Two Years						512		order of	L 3 HR 0	a igm Ab ATT	
All Results						543		display.	Alpha-I	Fetoprotein (Mal	-
						Specimer	. –	-	μn		_
						Any		-	OK	Cance	
HICHARDS,SUSA		IA-HC.PRT.I	HS.GOV	YAKAMA	HEALTH CE		-	_			

Figure 1-3: Sample Lab tab

1.1.4 Enter POV and Patient Ed Using Pick Lists

🖷 Education Topic Selection	×
🟗 🔎 🚱 🎢 🏹 2599 items	
Select By C Category List C Disease & Topic Entry Pick List C Name Lookup C Procedure & Topic Entry	
Pick Lists Pregnancy	ок
Show All	Cancel
1st Trimester Exercise Pre-term Labor	
2nd Trimester Fetal Alcohol Syndrome Second-hand Smoke Serually Transmitted Iv	
Admission To Hospital Genetic Testing Stress Management	
Alcohol And Other Drug Growth & Development Tests	
Behavioral And Emotion Hiv Tobacco	
Cultural/spiritual Aspec Medications	
Dental Caries Nutrition	
Domestic Violence Pain Management	
The distance of the field of the field	
Type of Training (• Individual () Group	
Comprehension Level GUUD	
Length (min)	
Readiness to Learn	

Figure 1-4: Sample Pick Lists

· · · · · · · · · · · · · · · · · · ·			
/ ND Pick Lief Plantasi	POW		
JCD Pick Lists Dis	play 🔲 Freq. Rank 🔲 Code 🔲 Descriptior	n Cols 3 🔶	
Gen Med - Acute	Aborter, Habitual, Currently Preg	Hemorrhage, Antepartum, Associ	Pregnancy, Incidental (seen for o
Lien Med - Chronic	Abruption Antepartum	Hemorrhage, Antepartum, Unspe	✓ Pregnancy, Multigravida, Normal
Pediatrics	Abruption with Delivery	Hydatidiform Mole	Premature Labor, Threatened, An
Abnormal Findings	Abruption, unspecified EGA	Hyperemesis Gravidarum, Mild, AP	Preterm Delivery, Unspecified EGA
Administrative	Anembryonic Gestation	Hyperemesis Gravidarum, w/meta	Preterm labor, threatened
All	Anemia Unspecified EGA	Hypertension of Pregnancy, Tran	Prolonged Pregnancy
Anemia Bh2	Bone And Joint Disorders Of Bac	Hypertension, Benign Essential	Renal Disease In Pregnancy
Blood Per Rectum	Cardiovascular Diseases, Maternal	Hypertension, Other Pre-existing,	Rubella, Complicating OB Care
Chart Review	Cervical Shortening, Antepartum	Infection Or Infestation Unspecifi	SAB, Unspecified, With Complica
Diabetes	Coagulation Defects, Unspecified	Liver Disorders In Pregnancy	SAB, Unspecified, w/o Complicat
Fam Hx	Congenital Cardiovascular Disord	Mental Disorders, Maternal, Unsp	Sexually Transmitted Infections,
Hypertension	Depression	Nutritional Deficiencies	Sexually Transmitted Infections,
Nursing	Diabetes, Gestational	Obesity Complicating OB Care	Spotting Complicating Pregnancy
Ob Pick List	Diabetes, Pre-pregnancy	Placenta Previa Without Hemorrh	Syphilis, Maternal, Complicating
Ophthamology	Drug Dependence, Maternal	Placenta Previa, Hemorrhage, Un	Threatened Abortion, Antepartum
PHN Propatal	Edema Or Excessive Weight Gain	Post Term Pregnancy	Thyroid Dysfunction, AP
Preventive/ Boutine	Genitourinary Tract Infections	Pre-eclampsia, Mild Or Unspecifi	Tobacco Use Disorder Complicati
Supervision Of High-risk Pregna	Gonorrhea	Pre-eclampsia, Severe, Antepartum	Tuberculosis, AP
Wom Hith - Family Planning	Hemorrhage with Delivery	Pregnancy, 1st, Normal	Uterine Size Date Discrepancy
Wom Hith - General			
wommuner ap nesuits			
🗖 Show All			

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.

			<u>v</u>		
2				Prenatal	Done
RH - Reproductive H	listory			24 to 28 Weeks	COMMON PREGNANCY ISSUES
			Prenatal Panel	CBC	Coughs/Colds
a a company and a company a			Prenatal vitamine	Diabates screening	Depression
Reproductive History:			T TOTAL AT A A A A A A A A A A A A A A A A A	Glucese televanes Test (if esteen at	Polysier Harth Consult
lotal # of Pregnancies 3; Full Term 1 ; Prem	ature 0; Abortions, Ind	ucea 1;	0 10 10 10 10	DU AL Cassas	Diskates
Abortions, Spontaneous U; Ectopic Pregnanc	cies 0; Multiple Births	U	o to to weeks	PHC Conference (1999)	Diabetes Education count
; Living Uniteren 1			Amnio or LVS	Finita (il indicated at 26 WKs)	Diabetes Education consult
LAP: 10/21/2010 (obtained 03/10/2011)			Amniotic fluid		Insulin
CONTRACEPTION: NONE, EFFECTIVE 08/02/2010 (OBC	arned 03/10/2011)		Karotype	32 to 36 weeks	Lancets
*** NOIE: EDC 00/0//2011 (ODCained 03/10/2011)	DI CLINICAL PARAMETERS		MSAFP/Multiple markers	CBC	Test strips
FIO Flowshoot (non 6			Ultrasound	Chlamydia/GC	Hyperemesis
LTO - LTOMSHEEC (Hax 0	s monons)			Group B Strep (35 to 37 wks)	Zofran
Dropotol flowshoot				RPR	Hypertension
Naight ED Edama En	mdal Ht FHT Urina	nro Urine Glu		Ultrasound	Pain
weight Br Edema Fu	andai no Fhi Oline	pro orme oru			<u>PIH</u>
07/04/2011 :200 :120/80 :1+ :30	:160 :	:			
	.160 .				
	.100 .	·			
04/19/2011 :168.38 : : :	: :	:			
03/17/2011 :158.19 : : :	: :	:			
03/10/2011 :157.4 :112/50 : :19	:153 :	:			
03/04/2011 : : : :	: :NEGATIV	E :NEGATIVE			
	Result Units F 0 FH(D) POSITIVE 10.9 g/dL 32.1 % 4.8 % NUN-REACTIVE 1.86 EIA VALUE	ef Range - 10 - 16 30 - 46 0 - 5.9 - -	-		
र			-		
<u> </u>		Ľ			

Figure 1-6: Sample Prenatal flowsheet

1.1.6 Quick Notes – Shortcut to Note Title/Template

-	Visit not selected RICHARDS,SUSAN P			Primary Care	Team Unas	signed	Problem List	Advs React	Medications	
No Postin	gs PWH	Ø	Prenatal 1st Tri	Prenatal 2nd Tri	Prenatal 3rd Tri	Meds All	Adult Hea Summa	alth ry Pharm Ed		2
Labs Prob/POV Ed/HF/Exams Shortcut to rep			orts	•••• s	Consults	Reports Shor	tcut to 1	RPMS		

Figure 1-7: Sample EHR Shortcut Buttons

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

🌏 Quick Nol	te Selecto	r:		×
7	+	-	2	
<u>P</u> roperties	<u>C</u> reate	<u>R</u> emove	Re <u>n</u> ame	
	Available	Quick Notes	;	
Personal				
DNKA				
GENMED with	n Acute			
GENMED with	n Build a No	ote		
LWBS				
Public				
DNKA				
GenMed Triag	je			
LWOBS				
Medication Re	enewal			
OB Follow up				
Outside Servio	ces Entry Di	ialog		

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

🥣 Kenninder Dialog Template: Prenatar Dillow up dialog		르비스
Prenatal follow up Weeks gestation * 23 (best estmiate)		-
S) Chief Complaint: Presents for prenatal visit. Feels well.		
Preterm labor symptoms C Present © Absent Fetal movement © yes C no C n/a Vaginal bleedng *© No C Yes, explain: 0) BP:120/80, PU:60, RS:16, FH:24, FT:155, ED:0		
λ/P) 1) Pregnancy, Multigravida, Normal [P]		
2) Hypertension, Other Pre-existing, AP Problem List Updates: None Found		
FOLLOW UP Follow up in $4 \checkmark$ weeks. for next prenatal follow up Keen any scheduled annts for orgoing 6 preventive care		
Future Appt: None Found EDUCATION PROVIDED		
1 PN-2T: min.; INDIVIDUAL; Understanding-GOOD Comment: 2 DN-EV: min : INDIVIDUAL: Understanding-COOD		
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="" entered="" information=""></no>		•
	Finish	Cancel

Figure 1-10: Sample Reminder dialog

Brief SOAP

S 🗖 🗖	Title: PRENATAL
RH - Reproductive History	Subjective:
Reproductive History: Total # of Pregnancies 1	Chief Complaint: Patient presents for prenatal visit. Feels good, no contractions, no bleeding, no swelling. This is a test template.
Functure 0 Fremature 0 Abortions, Induced 1 Abortions, Spontaneous 0 Ectopic Fregmancies 0 Multiple Births 0	Objective: EGA:30 2/7, EP:120/80, WT:165.00 (74.91 kg), FT:150, FH:31, ED:0 This is a test teaplate
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 LACTATURG JUL 19, 2012 	Assessment/Plan Prenatal lacest 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
FRENATAL EGA WT BP Edema FH (cm.) FHT U Pro U Glu	 Edema swollen ankles (Entered 10/16/12 by RICHARDS,SUSAN P) *2/5/13 by RICHARDS.SUSAN P - This is a test2
02/05/2013:30.2/7:165:120/80:0:31:150:NEGATIVE	 Abusive behavior test Chief HIS key (Entered 10/22/12 by RICHARDS,SUSAN P)
SLT - Lab Tests Selected (max 3 months)	Visit Orders: URINALYSIS (DIPSTICK ONLY) URINE WC LB #352
No data available for HGB; ABO; 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 ************	
Font 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 additional 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]
```

```
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```

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 ΒP 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: 02 1 02 2 02 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

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```
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 PRES	SURE
USER CLASS: OB CLINICIAN	20	PULSE	
USER CLASS: OB CLINICIAN	25	RESPIRATIO	NS
USER CLASS: OB CLINICIAN	30	PAIN	
USER CLASS: OB CLINICIAN	35	02 SATURAT	ION
USER CLASS: OB CLINICIAN	40	PEAK FLOW	
USER CLASS: OB CLINICIAN	45	ESTIMATED	GESTATIONAL
AGE			
USER CLASS: OB CLINICIAN	50	FUNDAL HEI	GHT
USER CLASS: OB CLINICIAN	55	FETAL HEAR	T 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]
```

```
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```

400 L 500 D 900 S	ocation LOC ivision DIV ystem SYS	[choose from HOSPITAL LOCATION] [choose from INSTITUTION] [YAKIMA-HC.PRT.IHS.GOV]				
Enter sel	ection: System	YAKIMA-HC.PRT.IHS.GOV				
Setting V Select Se	ital signs list f quence: ? <<<<<	or cover sheet for System: YAKIMA-HC.PRT.IHS.GOV check what the system level settings are				
Sequence	Value					
1.0						
10	HEIGHT					
20	WEIGHI DODY MACC INDEX					
40	BODI MASS INDEA B M T DEPOENTII	F				
50	TEMPERATURE	E				
60	BLOOD PRESSURE					
70	PULSE					
80	RESPIRATIONS					
90	PAIN					
100	02 SATURATION					
110	PEAK FLOW					
112	BEST PEAK FLOW					
114	ASTHMA SYMPTOM B	REE DAYS				
115	ASTHMA WORK/SCHO	OL DAYS MISSED				
116	FEF 25-75					
118	FEV1/FVC					
120	HEAD CIRCUMFEREN	CE				
130	WAIST CIRCUMFERE	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 UserUSR[choose from NEW PERSON]200 ClassCLS[choose from USR CLASS]300 ServiceSRV[choose from SERVICE/SECTION]400 LocationLOC[choose from HOSPITAL LOCATION]500 DivisionDIV[choose from INSTITUTION]900 SystemSYS[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:

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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.

Vital Entry Vital Disp	olay		
Default Units 💌	28-Jun-2012 14:19	Range	Units
02 Saturation			%
Peak Flow			
Last Known Well			
PHQ2			
PHQ9			
Audit-C			
Audit			
Crafft			
Estimated Gestational Age	32 2/7		
Fundal Height	32		cm
Fetal Heart Tones	159		
 Edema 	0		

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.

Vitals Display Vitals Entry		
Default Units	▼ 01.Jul-2011 17:13 Ra	4
 Height 		
Weight		
Temperature		
Blood Pressure	90 -	
Pulse	60 -	
Respirations		
Pain		
02 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	1
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
02	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.

Select Lab Tests			_ 🗆 🗵
F	Persons with defined T	est Groups	Define Test Groups
Test Groups	Richards,Susan P C BPB Hiv-O Hboa	•	New
2) Abo-Q, RH, Rub M-Q, HGB A1	IC, 3 HR, MS-Afp	94	Delete
Laboratory Tasta			
HGB A1C	Add	Tests to be di	splayed
HGB A2 HGB A1 HGB A1C	To create a New Test Group, limit selection to 7 tests.	LH FSH Testosterone Dhea-S 0402	,
HGB A1C HGB/Wic HGH	Remove All	Hemoglobin A	10
Histology Histone Antibodies Hiv 1/2 Ab W/Rflxes	Remove One		
Hiv 1/2 Eia W/RFLX Q1972 Hiv Screen Hia Antigen B27 Hia B27 Ag Hia B27 Antigen	Arrange order of tests for display.		
HIa B8		J	
Specimen	1	OK	Canad
Any			

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.

Select Lab Tests			
	Persons with defined T	est Groups	Define Test Groups
Test Groups	Richards,Susan P	•	New
1) HGB, HCT, HGB A1C, CHL/0 2) Alure: DH, Dub M-9, HOB A	GC, RPR, Hivi-Q, Hbsa dC, GHR, MG-Alu	ıgq	Replace
3) LH-Q, FSH-Q, Testo-Q, Dhea	s-Q, A1C		Delete
Laboratory Tests			
HGB A1C	Add	Tests to be di	splayed
HGB HGB A2 HGB A1 HGB A1C HGB A1C HGB/Wic HGH Histology Histone Antibodies Hiv 1/2 Ab W/RfIxes Hiv 1/2 Eia W/RFLX Q1972 Hiv Screen HIa Antigen B27 HIa B27 Ag HIa B27 Antigen HIa B8	To create a New Test Group, limit selection to 7 tests. Remove All Remove One Arrange order of tests for display.	LH FSH Testosterone Dhea-S Q402 Hemoglobin A	10
Specimen	-	01/	
Any	·		Lancel

Figure 3-3: Tests to be displayed

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

Eile														
Lab Results Most Recent Cumulative	Laboratory Resu Table Forma	lts - Workshe at al	et - One Yea C Ver	ır tical		Other © Co	Formats mments		C Graph					
All Tests By Date Selected Tests By I	Abnormal	Results Only				T Zoo	m	🗖 3D		🗖 Values				
Worksheet Graph	Date/Time	Specimen	LH-Q	FSH-Q	TESTO-Q	DHEAS-Q	A1C	HGB	HCT	HGB A1C	CHL/GC	RPR	HIV-Q	HBSAqQ
Microbiology	03/04/11 10:59	Blood					4.8							NON DEAC
Blood Bank	03/04/11 10:59	Blood							_				NON-BEAC	NUN-REAL
Lab Status	03/04/11 10:58	Blood						10.9	32.1					
Other Tests														
Date Range Date Range Today One Week Two Weeks One Month Six Months														
One Year Two Years All Results	<no comment<="" td=""><td>s on spec</td><td>imens.≻</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></no>	s on spec	imens.≻											

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 alphabeticl 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 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 MENUI

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

Prenatal EGA WT BP EDEMA Fundal Ht FHT U Pro U GLU		FL	0 - Flows	sheet (max	10 occurr	ences or 1	year)			
EGA WT BP EDEMA Fundal Ht FHT U Pro U GLU	Prenatal									
		EGA	WT	BP	EDEMA	Fundal Ht	FHT	U Pro	U GLU	

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06/28/2012 :32 2/7	:263	:120/80	:0	:32	:159	 :т	: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
        ESTIMATED GESTATIONAL AGE
 EGA
       ...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
```

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Searching for a Measurement type, (pointed-to by MEMBERS) Searching for a Measurement type BLOOD PRESSURE BP 1 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

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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

	Health Summary		
⊡ Clinical Reports ☐			
🖃 Health Summary			
Adhoc Report			
Adult Regular			
Best Practice Prompts			
Meds With Issue History			
Meds-All			
Meds-Chronic			
Micro			
Past Surgeries			
Problem List			
PWH Adult Reg			
PWH Med Rec			
Radiology			
Rcis			
Refusal			
Womens Health Brief			
Imaging (local only)			
Lab Status			
Outpatient RX Profile			
Order Summary for a Date Ran			
All Outpatient			
Visit Summaries			
Summary			×
Flowsheet FLU	C		
Floweboot (ELO)	L	omponent Selectio	on(s)
Flowsheet [FLO]	lowsheet (FLO)	omponent Selectio	nr(s) Header Name:
Flowsheet (FL0) Hospital Stays [INPT] Ihs PT Demographics [DEM] Ihs Treatment Provided (TRP)	lowsheet [FLO]	iomponent Selectic	on(s) Header Name: Flowsheet
Flowsheet (FLO) Hospital Stays (INPT) Ihs PT Demographics (DEM) Ihs Treatment Provided (TRP) Ihs-Imaging (IIMG) Learning transcript (III	lowsheet (FLO)	iomponent Selectic	n(s) Header Name: Flowsheet Occurrence Limit: Time Limit:
Flowsheet (FL0) F Hospital Stays (INPT) F Hospital Stays (INPT) Ihs 'Treatment Provided (TRP) Ihs-Imaging (IM6) Imaging Impression Selected [SII]	lowsheet (FLO)	component Selectio	n(s) Header Name: Flowsheet Occurrence Limit: Time Limit: 10 1Y 💌
Flowsheet (FL0) Flowsheet (FL0	Lowsheet (FLO)	iomponent Selectic	n(s) Header Name: Flowsheet Cocurrence Limit: 10 Display Hospital Location
Flowsheet (FL0) Hospital Stays (INPT) Hospital Stays (INPT) Ihs PT Demographics (DEM) Ihs Treatment Provided (TRP) IhsI-maging (IM6) Imaging Impression (II) Imaging Profile (IP) Imaging Profile (IP) Indef Status (IS) Infant Data (INF) Infant Dat	Lowsheet (FLO)	iomponent Selectic	n(s) Header Name: Flowsheet Cocurrence Limit: 10 Display Hospital Location Display Provider Narretive
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Flowsheet (FL0) Hospital Stays (INPT) Hospital Stays (INPT) Ihs PT Demographics (DEM) Ihs Treatment Provided (TRP) Ihs-Imaging (IM6) Imaging Impression (II) Imaging Profile (IP) Imaging Status (IS) Infart Data (INF) Insurance (INS) Lab Blood Availability (BA) Lab Blood Availability (BA) Lab Chemistry & Hematology (DH) Lab Cumulative Selected (SCLI) Lab Cumulative Selected (SCLI) Lab Cumulative Selected (SCL3)	lowsheet (FLO)	omponent Selectic	n(s) Header Name: Flowsheet Docurence Limit Time Limit 10 Time Limit Ty v Display Hospital Location Display Provider Narretive TOD Text Display: Sub-items: {No sub-items selected>
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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	occurrend	ces or 1 ye	ar)		
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 Heath 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
б	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 DefaultsAINT 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

5.2.2 Instructions for Prenatal 1st Trimester Summary

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

Health Summary Maintenance Menu [GMTS IRM/ADPAC MENU]

1 2 3	Disable/Enable Health Summary Component Create/Modify Health Summary Components 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 DefaultsAINT MENU]
Select Hea summary ty Are you ac a new NAME: Pren TITLE: SUPPRESS 1	alth Summary Type: Prenatal 1st Trimester <<<<<< create the first ype dding 'Prenatal 1st Trimester' as HEALTH SUMMARY TYPE (the 90th)? No// y YES hatal 1st Trimester Replace PRINT OF COMPONENTS WITHOUT DATA: SENSITIVE DRINT DATA:
Do vou wis	sh to copy COMPONENTS from an existing Health Summary Type? YES// n NO
Select COI SUMMARY OI HEADER NAI Select COI	MPONENT: ReproDUCTIVE HISTORY RH RDER: 5// 5 ME: Reproductive History Replace MPONENT: Flowsheet FLO
SUMMARY O	RDER: 10// 10
OCCURRENCI	E LIMIT:
TIME LIMI HEADER NAI	T: 3M <<<<<<< set time limit for report - 3 months for 1st trimester ME: Flowsheet//

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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 Prenatal baseline labs 1 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 trimster 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 HEMOGLOBIN HB (HGB) 2 HEMOGLOBIN A HGB A1 3 HEMOGLOBIN A1C 4 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)

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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 TEXM 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 OB FOLLOW UP TITLE TITLE 1 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)

```
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```

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

> _ 🗆 🗙 Reference States File Edit Options Send Receive Window Help ₽₽₽₽₽₽₽₽₽ Type Name: Prenatal 1st Trimester Title: Owner: RICHARDS, SUSAN P SUPPRESS PRINT OF COMPONENTS WITHOUT DATA: SUPPRESS SENSITIVE PRINT DATA: Hos ICD Pro CPT Max Abb Ord Component Name Occ Time Loc Text Nar Mod Selection RH 5 Reproductive History FLO 10 Flowsheet ЗM Prenatal flow sheet 15 Other labs 5 ЗM SLT ABO TYPE RH TYPE HEMOGLOBIN HEMATOCRIT HEMOGLOBIN A1 C FASTING GTT * = Disabled Components **ම** [VT100 TCP/IP 14:24 0000

Figure 5-3: Prenatal Flowsheet

YAK-GRPMS	2								_	
File Edit Optio	ns Send Receive Wind			i 🕢						•
SUPPRES: SUPPRES:	Type Name: Title: Owner: S PRINT OF (S SENSITIVE	Prenatal 1st RICHARDS,SUS COMPONENTS WITH PRINT DATA:	: Trime SAN P IOUT DA	ster TA:						
Abb Oi	rd Compor	ient Name	Max Occ	Time	Hos Loc	ICD Text	Pro Nar	CPT Mod	Selection	
									CHLAMYDIA/GC	
									HIV 1/2 EIA W	
ZRFLX Q:	19728								HEPATITIS B S	
URFACE (NTIGEN									
									RUBELLA IGG A	
В										
TEIN (MA Shf 2(ATERNAL) 9 Healt	h Factor Selec	:t 1	14					ΠΕΙ ΠΠ-ΤΕΙΟΙ ΝΟ	
	* =	Disabled Compo	ments	I						
	([[
	VT100 TCP/IP 14:27	0000								-

Figure 5-4: Prenatal Flowsheet (cont.)

HAK-GRPM52 File Edit Options Send Receive Window Help Type Name: **Prenatal 1st Trimester** Title: Owner: RICHARDS, SUSAN P SUPPRESS PRINT OF COMPONENTS WITHOUT DATA: SUPPRESS SENSITIVE PRINT DATA: CPT Max Hos ICD Pro Abb Ord Component Name Occ Time Loc Text Nar Mod Selection TO BACCO (SMOKING) TOBACCO (SMOK ELESS - CHEWING/D TOBACCO (EXPO SURE) IEXM 25 Most Recent Exams 1 **OB** Notes ЗM SPN 30 **OB INTAKE PRO** VIDER **OB FOLLOW UP** * = Disabled Components Select COMPONENT: VT100 TCP/IP 14:28 0000

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:
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 1st Trimester The Following Components are Available: FLO Flowsheet SHF Health Factor Select SLT Other labs SPN OB Notes IEXM Most Recent Exams RH Reproductive History Select COMPONENTS(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: Owner: RICHARDS, SUSAN P SUPPRESS PRINT OF COMPONENTS WITHOUT DATA: SUPPRESS SENSITIVE PRINT DATA: Max Hos ICD Pro CPT Abb Ord Component Name Occ Time Loc Text Nar Mod Selection _ _ _ _ _ _____ FLO 5 Flowsheet 3M Prenatal flow Sheet SLT 10 Other labs 5 3M ABO TYPE RH TYPE HEMOGLOBIN HEMATOCRIT HEMOGLOBIN A1C FASTING GTT CHLAMYDIA/GCDNA PROBE HEALTH SUMMARY TYPE INQUIRY Type Name: Prenatal 2nd Trimester Title: Owner: RICHARDS, SUSAN P SUPPRESS PRINT OF COMPONENTS WITHOUT DATA: SUPPRESS SENSITIVE PRINT DATA: Max Hos ICD Pro CPT 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 (MATERNAL) IEXM15Most Recent Exams1SHF20Health Factor Select1 1Y TOBACCO (SMOKING) HEALTH SUMMARY TYPE INQUIRY

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Type Name: Prenatal 2nd Trimester Title: Owner: RICHARDS, SUSAN P SUPPRESS PRINT OF COMPONENTS WITHOUT DATA: SUPPRESS SENSITIVE PRINT DATA: Max Hos ICD Pro CPT Abb Ord Component Name Occ Time Loc Text Nar Mod Selection _____ TOBACCO (SMOKELESS - CHEWING/D TOBACCO (EXPOSURE) SPN 25 OB Notes 3M OB INTAKE PROVIDER OB FOLLOW UP RH 30 Reproductive History * = 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: Edit component parameters E Delete component from summary D 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: Edit component parameters Ε 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

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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)
Duranatal
EGA WI BP ED FR FRI
06/28/2012 :32 2/7 :263 :120/80 :0 :32 :159 :T :N

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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

 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 08/02/2010 NORMAL/NEGATIVE CUNNINGHAM, MARG DEPRESSION SCREENING ----- 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 (0)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

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(ORDERS	5				
3	HOUR	GTT	(GESTATIONAL)	BLOOD	SP ONCE Indication: EDC 8/4/2011 LB #16129	
			Signed by:	/es/ Nurse	Susan Pierce-Richards, ARNP 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
         Statistics
   4
   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
                                        COMPONENT NAME: LAB TESTS SELECTED
SUMMARY ORDER: 15
                                        TIME LIMIT: 3M
 OCCURRENCE LIMIT: 5
 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 019728
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

:	:	Summary Beport	No Postings	
-				_

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)

Properties for Health Summary Report						
Property	Value					
ТОР	2					
LEFT	580					
HEIGHT	32					
WIDTH	61					
ALIGN	Right					
ANCHORS	Left; Right; Bottom					
GLYPH						
CAPTION	Prenatal 3rd Tri					
LAYOUT	Image appears on the left.					
ASYNCHRONOUS	False					
ENCOUNTERREQUIRED	🗖 False					
REFRESHOPTION	Ignore refresh requests.					
REPORT	1^93					
TITLE						
ОК	Cancel Apply					

Figure 6-3: Properties for Health Summary Report dialog

				-	11		_	_	
No Postings	РМН 🕂	Ü	Prenatal 1st Tri	Prenata 2nd Tri	Prenatal 3rd Tri	Meds All	Adult Health Summary	Pharm E	
CCCClicking will bring up repro hx, labs, and measurements, HF, Exams and OB									
notes for pa	ast 9 month	15		T	Comment		F	Provider	
Therapy	FAIR						В	EARUP, SE	
	0000						n	DUEGUN	

Figure 6-4: EHR panel

6	ò											
				RI	H - Rep	roductiv	e History -					^
Re LN C(<pre>eproductive 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 MP: 10/21/2010 (obtained 03/10/2011) 0NTRACEPTION: NONE, EFFECTIVE 08/02/2010 (obtained 03/10/2011) ** NOTE: EDC 08/07/2011 (obtained 03/10/2011) BY CLINICAL PARAMETERS Pressed of the second s</pre>											
				- FLO ·	- Flows	sheet (ma	x 9 months)				
Pı	cenatal flo	wshee We	t ight	вр		Edema	Fundal Ht	FHT	Urine	pro	Urine	Glu
	07/04/201	L :200	1	:120/8	30 :1	.+ :	30	:160	:	:		
	06/04/201	L :180		:120/8	BO :1	+ :	22	:160	:	:		-
	04/19/201	L :168	.38	:	:	:		:	:	:		-
	03/17/201	L :158	.19	:	:	:		:	:	:		-
	03/10/201	L :157	.4	:112/	50 :	:	19	:153	:	:		-
	03/04/201	L :		:	:	:		:	:NEGATIV	тЕ :	NEGATIV	Έ
 Co)llection I	SL)T	T - 0 Spec:	ther la	abs (ma Test N	ux 5 occu Jame	rrences or Resul	9 month t Un:	ns)	lef Ra	 	-
03	3/04/2011 :	LO:59	BLOO	D	ABO TY	PE	1	0		-	-	
4												▼
Fe Si	ont 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 NameHealth Summary Type1ACEI/ARB FLOWACEI/ARB FLOW2ALLERGIES/ADVERSE DRUG RXNNo Health Summary Typ3ANEMIA 12MOANEMIA 12MO4ANTICOAG 3MO FLOWANTICOAG 3MO FLOWSHEE5ANTICOAG 6MO FLOWANTICOAG 6MO FLOWSHEE6ASTHMA TRIGGERSASTHMA TRIGGERS17CREATININE LAST 6Creatinine last 68DIABETES REVIEWDiabetes Review9DIABETIC SUPPDIABETIC SUPP10DIMARD 6MO FLOWSHEETDiMARD 6MO FLOWSHEET11DIMARD LAST 1 FLOWSHEETDiMARD 1Y FLOWSHEET12DIMARD TX MONITOR 1YDiMARD TX Monitor 1y13DIMARD TX MONITOR 6MODiMARD TX MONITOR 6MO14DM EXAM FLOWSHEETDM EXAM FLOWSHEET
                                                                   No Health Summary Type Found
                                                                   ANTICOAG 3MO FLOWSHEET
                                                                   ANTICOAG 6MO FLOWSHEET
                                                                    DiMARD Tx Monitor 6MO
                  Enter ?? for more actions
  +
```

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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// OPrint 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...

File E	dik Options Send Receive Window Help	
TIU	Health Summary Object Jul 06	, 2011 11:38:52 Page: 3 of 5
+	TIU Object Name	Health Summary Type
29	LIVER FUNCTION TESTS	LIVER FUNCTION TESTS
30	MEAS ADULT BRIEF FLOW	MEAS ADULT BRIEF FLOWSHEET
31	MEAS PEDI LAST 10	MEAS PANEL PEDI
32	MICRO	MICRO
33	MICR072H	MICR072H
34	MP – ADULT	Measurement Panel – Adult
35	PAST SURGERIES	SURGICAL PROCEDURES
36	PATIENT EDUCATION TODAY	PATIENT EDUCATION TODAY
37	PEDS MEASUREMENT FLOWSHEET	Pedi Measurement Flowsheet
38	PERSONAL HISTORY	No Health Summary Type Found
39	PRENATAL COMPREHENSIVE DATA	Prenatal Comprehensive Data
40	PRENATAL COMPREHENSIVE OBJECT	Prenatal comprehensive object
41	RADIOLOGY	RADIOLOGY
42	RADIOLOGY 1YR	RADIOLOGY 1YR
÷	Enter ?? for more actions	
	Create New TIU Object	Find
	Detailed Display/Edit TIU Object	. Detailed Display/Edit HS Object
L .	Quit	
Sele	ect Action: Next Screen//	

Figure 7-1: Prenatal TIU Object

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

🍚 Insert Patient Data (Object) 💻	٦×				
Prenatal Comprehensive Data					
Prenatal Comprehensive Data Prenatal Comprehensive Object Primary Care Provider Radiology 1Yr Radiology Recent Labs Recent Medications Recent Medications Recent Meds Combined Referring Provider Refusal Of Service Refusals					
Repro Endo Flowsheet					
Reproductive History All Reproductive HX2-Brief Reproductive HX2-Expanded					
Insert Object Don	e				

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 <u>ftp://ftp.ihs.gov/rpms/patches/ehr_0110.070.pdf</u>)

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**.

🔊 Quick Note Selector: 🛛 🔀								
Ŷ	+	-	1					
Properties	<u>C</u> reate	<u>R</u> emove	Re <u>n</u> ame					
	Available	Quick Notes						
Personal								
DNKA								
GENMED wit	h Acute							
GENMED wit	h Build a No	te						
LWBS								
Public								
DNKA								
GenMed Tria	ge							
LWOBS								
Medication Renewal								
OB Follow up								
Outside Servi	Outside Services Entry Dialog							

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.

Quick	Note Name:	
HGN	lote	
	Type of Quick Note: Personal C Public]
	OK Cancel	1

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!

Quick Note Properties		×		
General medical build a note				
NoteTitle:		~		
Include Boilerplate Text				
Template: Build a Note TEMPLATED				
Build a Note TEMPLATED Build a Note TEMPLATED Build a Note TEMPLATED bundled				
Use Visit Dialog		~		
Use Current user for visit provider	Visit Provider:	>		
Save Cancel				

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 Fe Heart tones, Fundal Height, Presentation, etc. Additional 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.

Quick Note Properties			
	OB Follow up		
NoteTitle:		=	
OB FOLLOW UP		-	
Include Boilemlate Text			
Tamalatan			
- I emplate:			
Prenatal follow up dialog			
Prompt for Visit:			
	Select Visit Category:		
🔽 Üse Visit Dialog		~	
Set Visit Context	Visit Location:		
Use current user for		-	
visit provider	Visit Provider:		
	J	$\overline{}$	
	([*]		
	Saus I Canad I		

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

Quick Not	te Selecto	r:		×
7	+	-	1	
<u>P</u> roperties	<u>C</u> reate	<u>R</u> emove	Re <u>n</u> ame	
	Available	Quick Notes	;	
Personal				
DNKA				
GENMED with Acute				
GENMED with Build a Note				
LWBS				
Public				
DNKA				
GenMed Triage				
LWOBS				
Medication Renewal				
OB Follow up				
Outside Services Entry Dialog				

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).

Notifications Cover Sheet Vtials/CC	Labs Prob/POV Ed/HF/Exams Services Medications Orders Notes Consults	Reports Suicide Form RPMS		
File View Action Options				
Note being edited OB FO Vst: 07/ Vst: 07/	LOW UP Jul 13,2011@15.47 13/11 OB INTAKE	RICHARDS,SUSAN P		
E lig: External Nole				
	Prenatal follow up Weeks gestation * (best estimate)			
	S) Chief Complaint: Patent present for OB follow up, G3Pl 24 weeks.			
	Pretern labor symptoms C Present C Absent			
	Veginel bleedng *C Ve C Veg ownlein:			
	Vaginar Dictang () NO () res, express.			
		1		
	* Indicates a Required Field			
		j l		
	<no encounter="" entered="" information=""></no>			

Figure 8-10: Pre-Defined reminder dialog

8.5 Sample Reminder Dialog Template

```
length Reminder Dialog Template: Prenatal follow up dialog
                                                                         - 🗆 X
  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 C Present @ Absent
    Fetal movement . yes C no C n/a
    Vaginal bleedng * 🖲 No 🔿 Yes, explain:
    Ο١.
    WT:200.00 (90.80 kg), BP:120/80, FH:30, FT:160, ED:1+
    \mathbb{A}/\mathbb{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
                                                                        Cancel
                                                              Finish
```

Figure 8-11: Reminder Dialog template

3	Remi	nder Dialog Template: Prenatal follow up dialog 🛛 📃 🗵	
V		Orders	
		Initial	
		Prenatal panel ordered, counseing for HIV testing provided	
		(ABO, RH Type, CBC, Rubella, RPR, UA, Urine culture, HbSag,	
		HIV)	
		Level of Understanding: Good	
		Education duration: 0	
		Comment: Counseled about HIV testing	
	V	Prenatal Vitamins ordered	
		Order if indicated	
		Chlamydia/GC Screening ordered	
		Hgb Electrophoresis ordered	
		PPD ordered	
		Order when indicated (8-18 weeks)	
		*C Amnio C 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			
		Rhit ordered (indicated at 28 weeks)	
		CRC ordered	
	Ë	Chlemydie/GC Screening ordered	
	1	Group B strep ordered (35-37 weeks)	
	Ē	RPR ordered	
	Ē	Ultrasound ordered	
Π			
		* Indicates a Required Field	
A		al literation and and	
"	enat	al Vitamins ordered	
Pati	ent Ec	lucations: HIV-TESTS	
Ord	ers: Pl	ACEHOLDER, 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).

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