THE INDIAN HEALTH SERVICE

EHR GPRA Cervical Cancer Screening (PAP Smear)

Resource Patient Management System



EHR GPRA Cervical Cancer Screening Overview

Superior Health Information Management Now and for the Future

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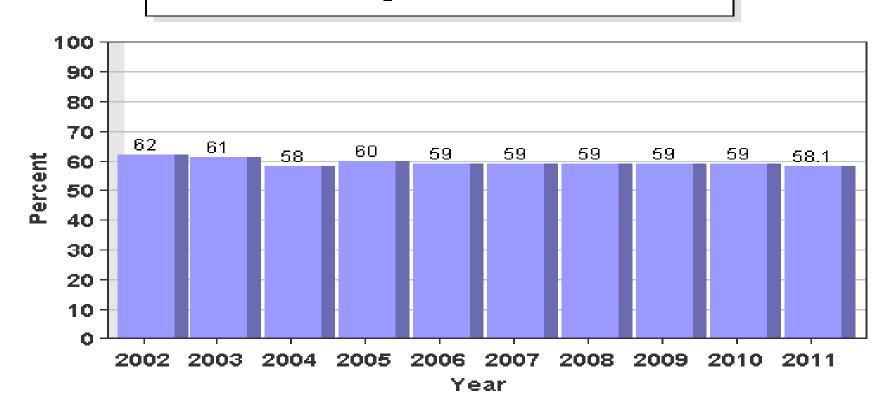


Learning Objectives

- Compare & Contrast the RPMS Clinical Applications that Impact the GPRA Cervical Cancer Screening PAP Smear Measure
 - Women's Health Parameters & PCC Master Control
 - iCare & Care Management Event Tracking (CMET)
 - PAP Smear Technology, Laboratory Setup & Taxonomies
 - EHR Quick Orders & Generic Orders
 - ICD-9 Picklists and CPT Superbills
 - VA Health Summary & VA Health Summary Object
 - Vista Imaging
 - EHR Reminders

The GPRA Measure is Percentage of IHS AI/AN Female Patients Ages 21 to 64 That Have Had a Pap Smear Test at Least Once in the Past Three Years

Percentage of IHS AI/AN Female Patients with Cervical Cancer Screening (Pap Smear) (IHS 2012 goal is 59.5%) NOTE: A higher score is better



Cancer Screening Pap Smear Rates Logic

GPRA Denominator:

Female Active Clinical Patients Ages 25 through 64 without Documented History of Hysterectomy

GPRA Numerator:

Patients with a Pap Smear Documented in the Past 4 Years.

NOTE:

This Numerator Does NOT Include Refusals

Cancer Screening: Pap Smear Rates Logic

Age:

- Age of the Patient is Calculated at the Beginning of the Report Period.
- Patients Must be at Least 25 years of Age at the Beginning of the Report Period and less than 65 years of Age as of the End of the Report Period.

Cancer Screening: Pap Smear Rates Logic

Hysterectomy:

- Procedure: 68.4-68.8, 68.9*
- CPT: 51925, 56308 (old code), 57540, 57545, 57550, 57555, 57556, 58150, 58152, 58200-58294, 58548, 58550-58554, 58570-58573, 58951, 58953-58954, 58956, 59135
- Diagnosis (POV or problem list): 618.5, V76.47, V88.01,
 V88.03
- Women's Health Procedure Called Hysterectomy
- *68.9 code will be added to CRS v13.0 patch 1

Cancer Screening: Pap Smear Rates Logic

Pap Smear:

- V Lab: Pap Smear
- POV: V67.01, V72.32, V72.3 (Old Code, to be Counted for Visits Prior to 10/1/04 only), 795.0*, 795.10-16, 795.19
- Procedure: 91.46
- CPT: 88141-88167, 88174-88175, G0123, G0124, G0141, G0143-G0145, G0147, G0148, P3000, P3001, Q0091
- Women's Health: Procedure Called Pap Smear and Where the Result Does NOT Have "ERROR/DISREGARD"
- LOINC Taxonomy
- Site-Populated Taxonomy BGP PAP SMEAR TAX

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Women's Health Package



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Women's Health Package Critical Steps

- Configure the RPMS Women's Health Package for Optimal Use
- Identify Workflow Processes for Accurate and Complete Data Entry
- Maintain Registry
- Generate Abnormal Result Lists in Women's Health Package
- Generate Needs Past Due Report
- Enter Results Into Women's Health Package, PCC Data Entry, and/or Laboratory Package

Edit Women's Health Site Parameters Note: Not Real People

```
EDIT SITE PARAMETERS FOR PARKER HOSP
         Default Case Manager: GIBSON, DANIEL V
             Ask Case Manager: YES
 Autoqueue Normal PAP Letters: YES
     PAP Result Normal Letter: PAP result normal, next PAP 1 year.
 Autoqueue Normal MAM Letters:
     MAM Result Normal Letter:
Default #days to print letter: 14
Ask CBE on Proc Follow-up Menu: YES
               Type of Agency: IHS
                                                         (PAGE 1 DF 5)
                                               Press <PF1>H for help
                                                                         Insert
COMMAND:
```

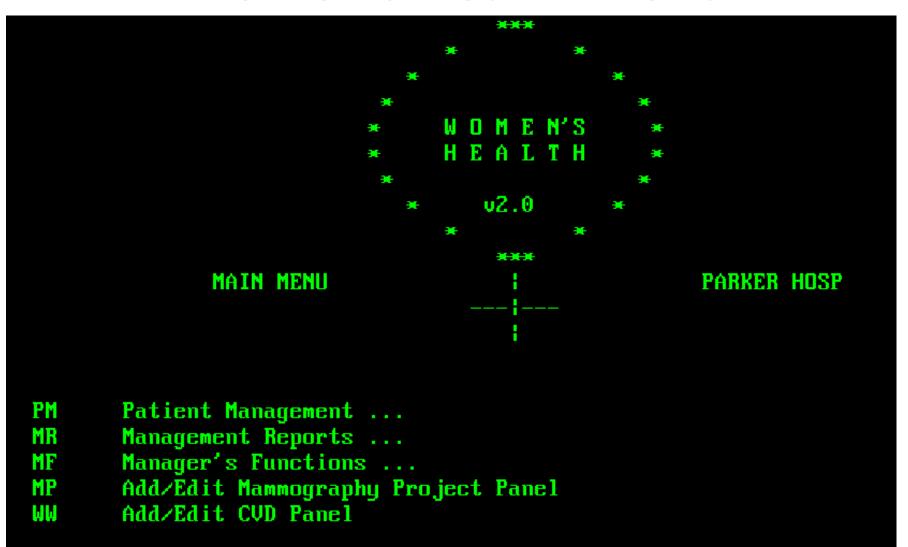
PCC Link to Women's Health Package

WOMEN'S HEALTH-PCC LINK ENVIRONMENT (All parameters must be "YES" for PCC link to be operational.) 1) PCC is running at this site (RPMS SITE file):.....YES 2) PCC MASTER CONTROL file is defined for this site:.....YES 3) VISIT TYPE is defined in the PCC MASTER CONTROL file:.....YES 4) WOMEN'S HEALTH is defined in the PACKAGE file:.....YES 5) WOMEN'S HEALTH entry exists in the PCC MASTER CONTROL file:..YES 6) WOMEN'S HEALTH entry in PCC MASTER CONTROL file has "PASS DATA TO PCC" set to:..... Enter RETURN to continue or '^' to exit:

Procedure Links to PCC

	PROCEDURE TYPES AND THEIR PCC .01 VA	PCC TABLE FILE
MAMMOGRAPHY PROJECT	NOT SET UP FOR PCC	
MASTECTOMY	UNILAT SIMPLE MASTECTOMY (85.41)	ICD OPERATION
NEEDLE BIOPSY	ASPIR CURETT UTERUS NEC (69.59)	ICD OPERATION
OPEN BIOPSY	OPEN BIOPSY OF UTERUS (68.13)	ICD OPERATION
PAP SMEAR	THINPREP CYTOLOGY-GYN (PIMC)	LABORATORY TES
PELVIC ULTRASOUND	NOT SET UP FOR PCC	
PREGNANCY TEST	SQL PREGNANCY, URINE QUAL 2336	LABORATORY TES

Women's Health Menu



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Care Management Event Tracking (CMET) in iCare

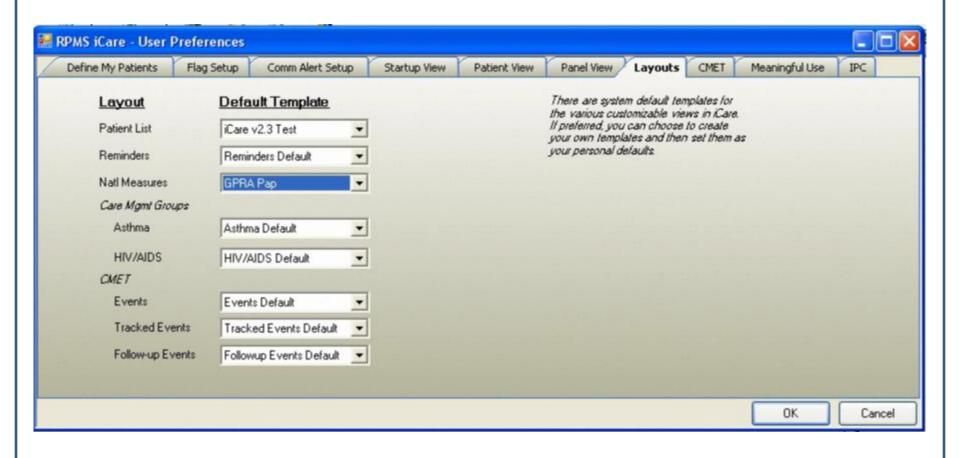
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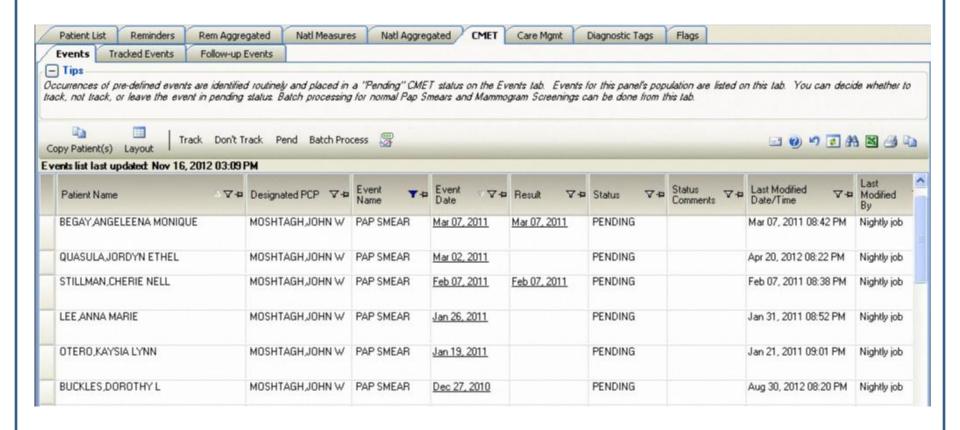
iCare Tools User Preferences



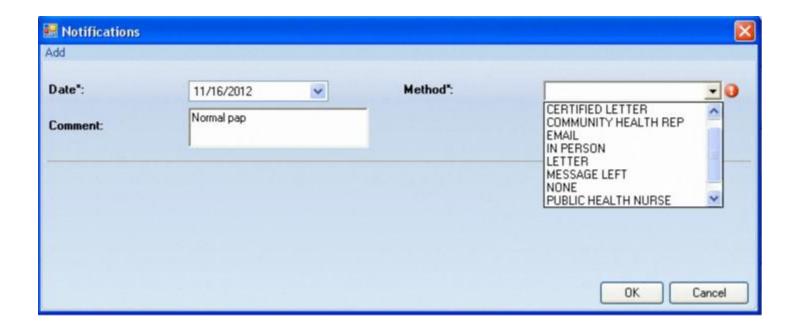
iCare PAP Due List

*	Δů	•	4	Home Phone	∇ +Þ	Work Phone	7-0	Patient Name	∇+0	HBN	7-0	DOB	∇ +0	Pap Smear Rates 25- 64	*
				555-555-8	3458	555-999-66	94	BENALLY, LARILYN KAY		104977 104978 104979	-CRIT	Oct 19,	1961	NO	
				555-555-8	3096			CARTER,KAREN JO		143888	-PAH	Mar 13,	1949	NO	
				555-555-1	431			CLARK, CYNTHIA M		107099 107100 107101	CRIT	May 15,	1980	NO	
				555-555-3	8691	555-999-72	70	DELETE HARBURY, PORTIA M		104750 104751 104752	-CRIT	Mar 14,	1951	NO	
				555-555-9	9146			DELETE PHILPOT ANTOINETTE		105098 105099 105100	CRIT	Sep 20,	1964	NO	
				555-555-3	3944	555-999-71	67	EDDYJSABELLA RUBY		106661 106662 106663	CRIT	Jul 30, 1	977	NO	
				555-555-6	326	555-999-67	18	GEIONETY, TERESA		143022	PAH	Mar 12,	1959	NO	
				555-555-1	146	555-999-37	54	HEMMERS,YOLANDA		102267 102268 102269 102270	-PIMC -CRIT	May 02,	1951	MO	
				555-555-9	3704	555-999-77	63	HERRERA,SHARAE		109225 109226		Jan 26,	1973	NO	
				555-555-1	967	555-999-10	70	HUBBARD,KIIYAANNII NAKAII		104546 104547 104548	-CRIT	Dec 14,	1955	5 M O	

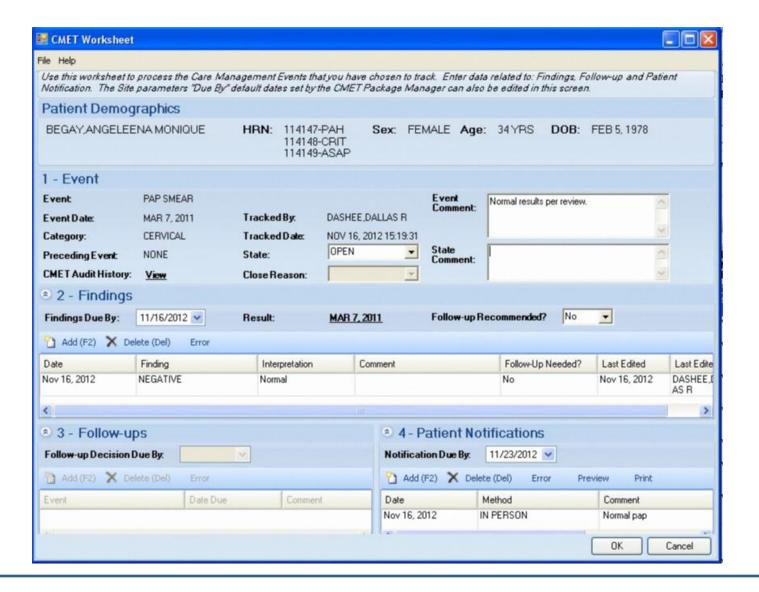
CMET in iCare



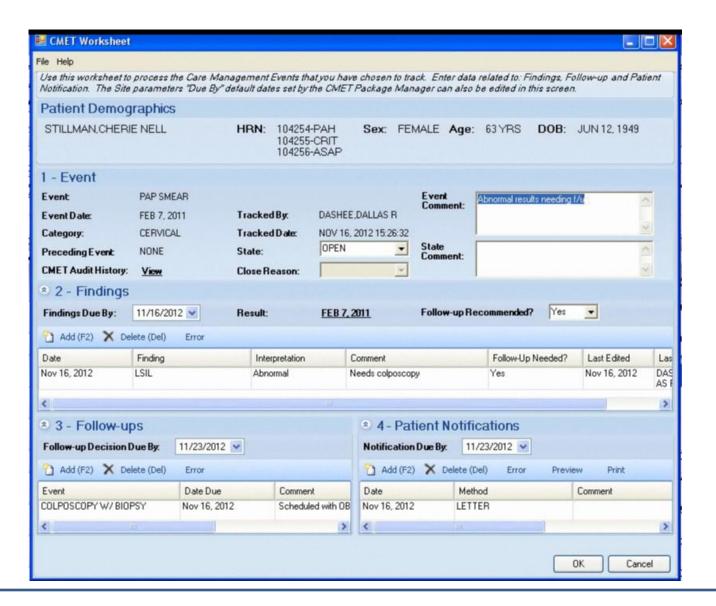
Notifications in CMET/iCare



CMET Worksheet



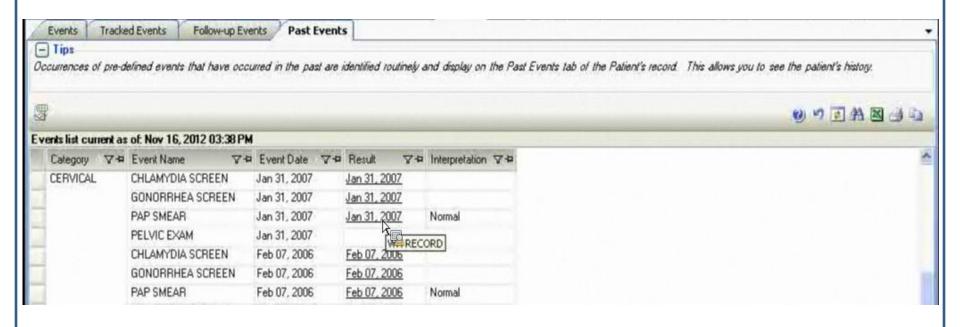
Document Results in CMET



Tracking Events in CMET



Data from Women's Health Found via CMET



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Pap Testing Technology & Lab Test Configuration

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Types of PAP Testing Technology (Building a Test)

- Conventional Slide PAP Smear One Slide
- Liquid Based Technology
 - SurePathTM
 - ThinPrep[®]
- PAP Smear Interpretation
 - Automated Imaging
 - Manual Cytotechnologist
 - Manual Pathologist Review

Types of PAP Testing Technology (cont.)

- Reflex Testing
 - HPV Low and High Risk
 - HPV High Risk Only
 - HPV Genotype
 - -GC and Chlamydia

The Twenty-Four Unique Tests for One PAP

3153			9000055	
	xTHINPREP PAP RFX HR HPV	88142		REPORT STATUS:
			9000057	
			1	CLINICAL INFORMATION:
			9000059	_
			7	_LMP:
			9000061	
			3	_PREV. PAP:
			9000063	
			9	_PREV. BX:
			9000022	
			5	_SOURCE:.
			9000071	
			2	_STATEMENT OF ADEQUACY:
			9000077	
				_GENERAL CATEGORIZATION:
			9000125	
				_INTERPRETATION/RESULT:
			9002112	
				_INFECTION:
			9000128	001414515
				_COMMENT:
			9002092	CVTOTECHNOLOGIST.
				_CYTOTECHNOLOGIST:
			9002095	DEVIEW CYTOTECHNOLOGIST
			9002098	_REVIEW CYTOTECHNOLOGIST:
				PATHOLOGIST:
			3	_FAITIOLOGIST.

Taxonomy Setup

- Groupings of Functionally Related Data Elements
- Taxonomies
 - Diagnosis Taxonomies (ICD-9 Diagnosis)
 - Procedure Taxonomies (ICD-9 & CPT Procedures)
 - Health Factor Taxonomies
 - Education Topic Taxonomies
 - Drug Taxonomies (Locally Configured)
 - Lab Test Taxonomies (Locally Configured)

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Resource Patient Management System

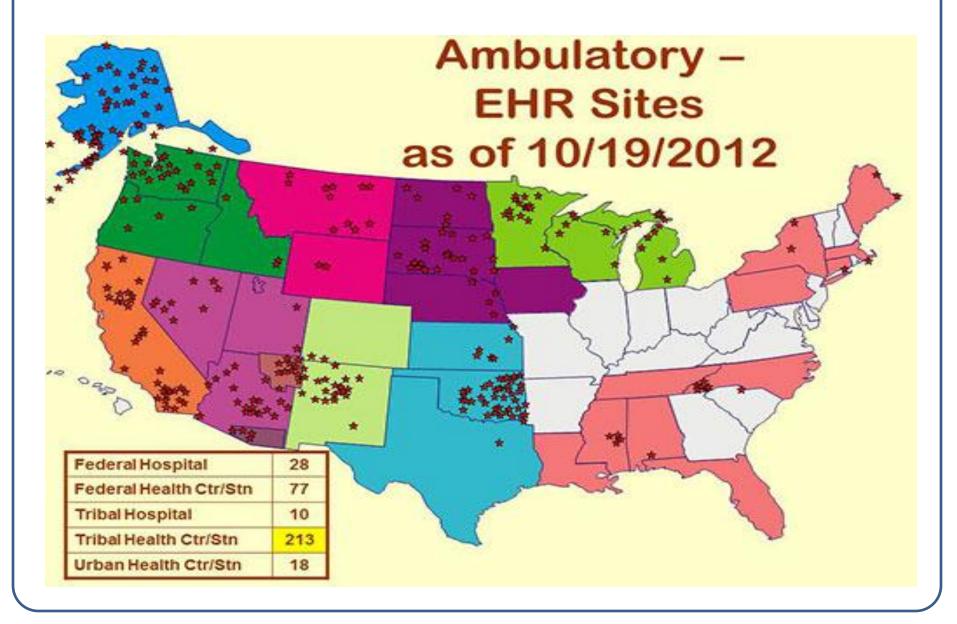
EHR Cervical Cancer Screening (PAP Smear)



EHR Graphic User Interface (GUI) Configuration

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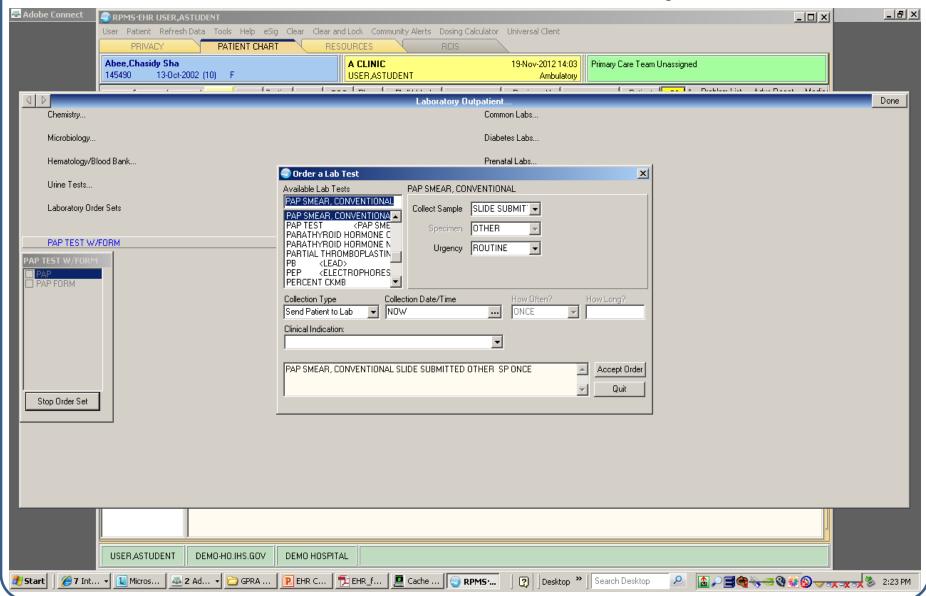
346 RPMS EHR Sites



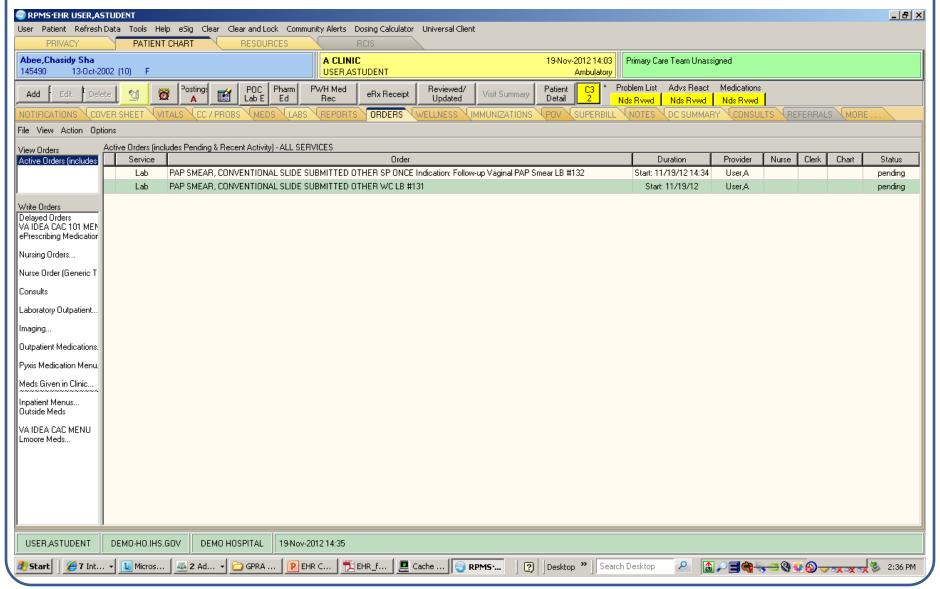
EHR GUI Configuration

- Laboratory Quick Orders and Menus
- Generic Order for PAP Smear
- Laboratory Reports
- VA Health Summary for Women's Health
- Problem List and ICD-9 Picklist
- CPT Superbill and GPRA Historical Services

PAP Smear as Laboratory Order



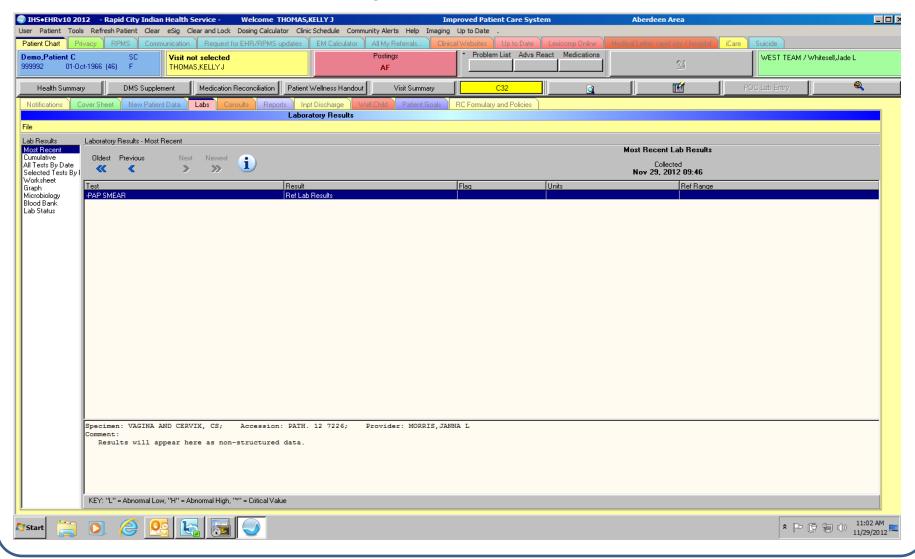
PAP Smear as Laboratory Order



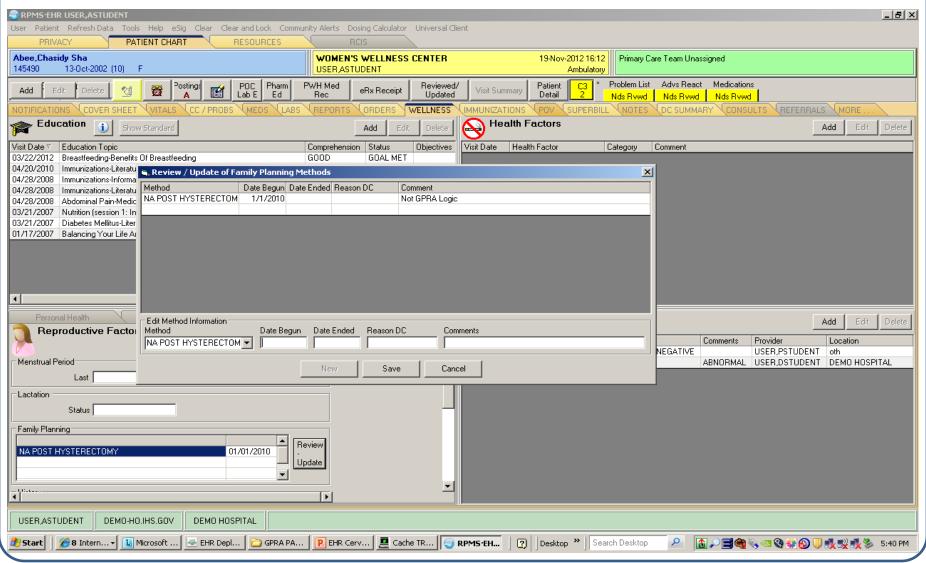
PAP "Ask at Order" Questions

Complete Clinical Mistory & Label Slide(s) as required by CLIA'S:
rombiere citurical mistori, a reset bilde(s) as tedaties by criv.b;
ce: Cervical C Vaginal C Other:
ory:
regnant
ortpartua
oraone Therapy
ysterectomy ostmenogeneal
o pap saear within last 7 years
ort Hemopausal Bleeding
ostcoital Bleedug
TM Halignancy) History/Treatment
sirvic Radiation:
Omermal CVN Tran: >> e.g. HPF, Cervical Lerion >>
Described PAP/Stopsy within last 3 years
DATE:
DATE:
Previous 783
o Francous FAP on Record
revious PAP Biopsy Diagnosis:
DATE:
CONTRACTOR OF THE PROPERTY OF
The second secon

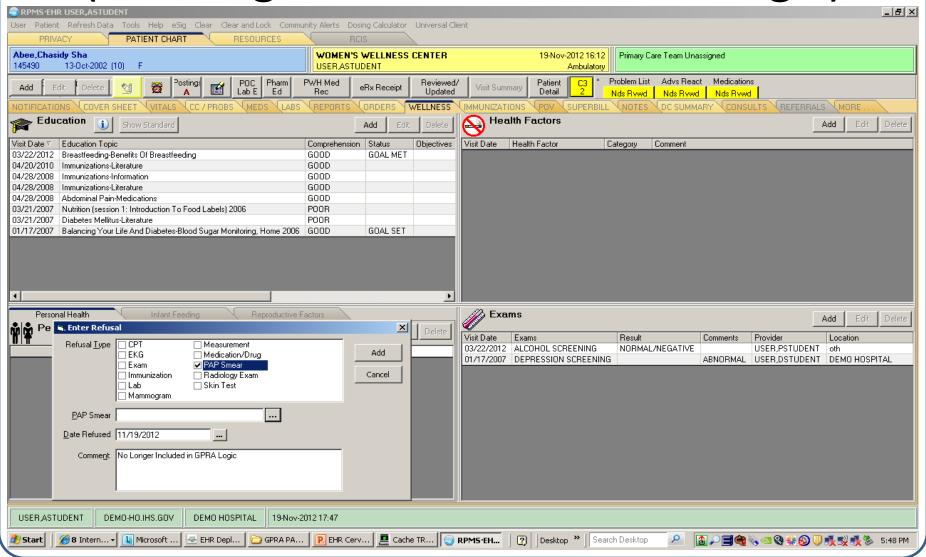
PAP Smear as Laboratory Result Comments Only – Not Structured Data



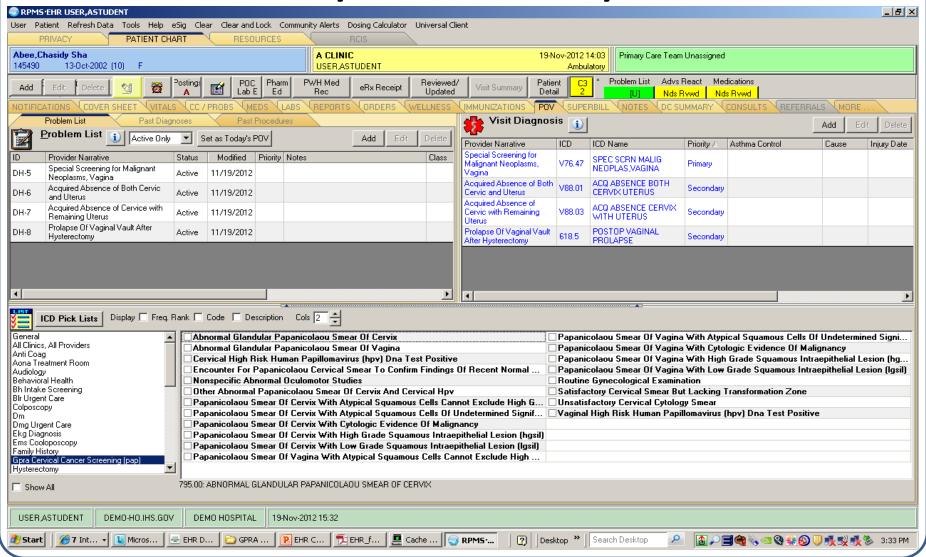
EHR Reproductive Factors (Not Included in GPRA Logic)



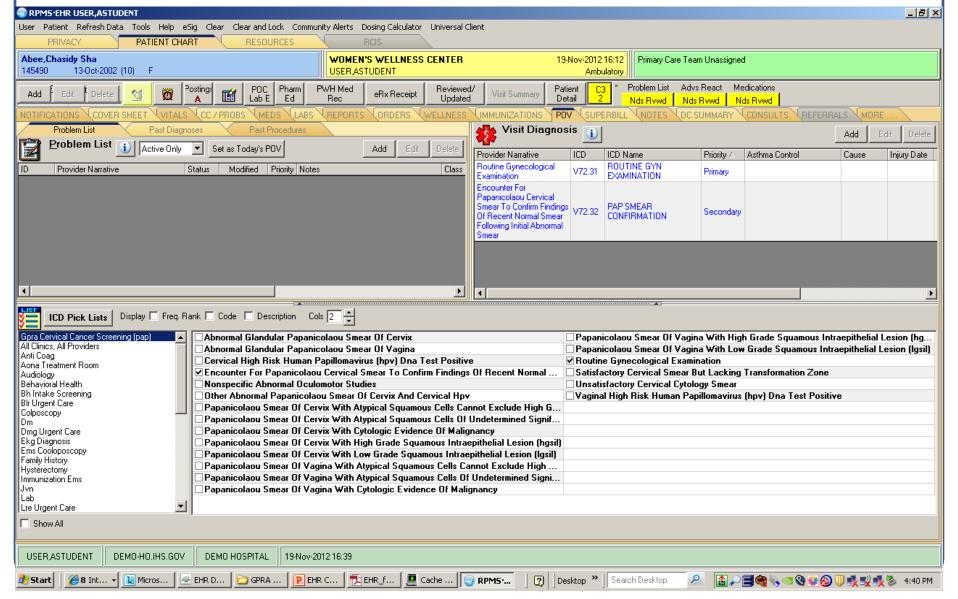
PAP Refusals (No Longer Included in GPRA Logic)



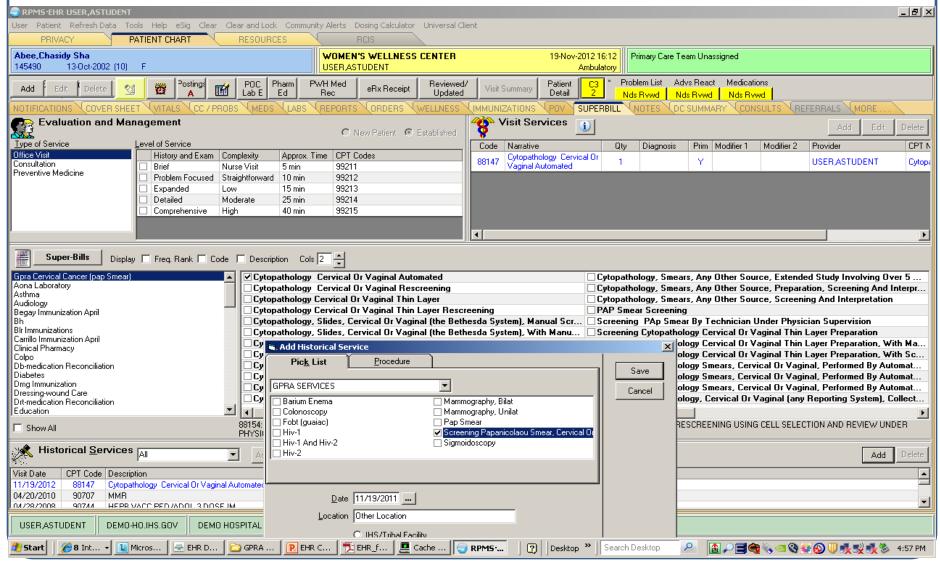
Problem List or Purpose of Visit "Hysterectomy"



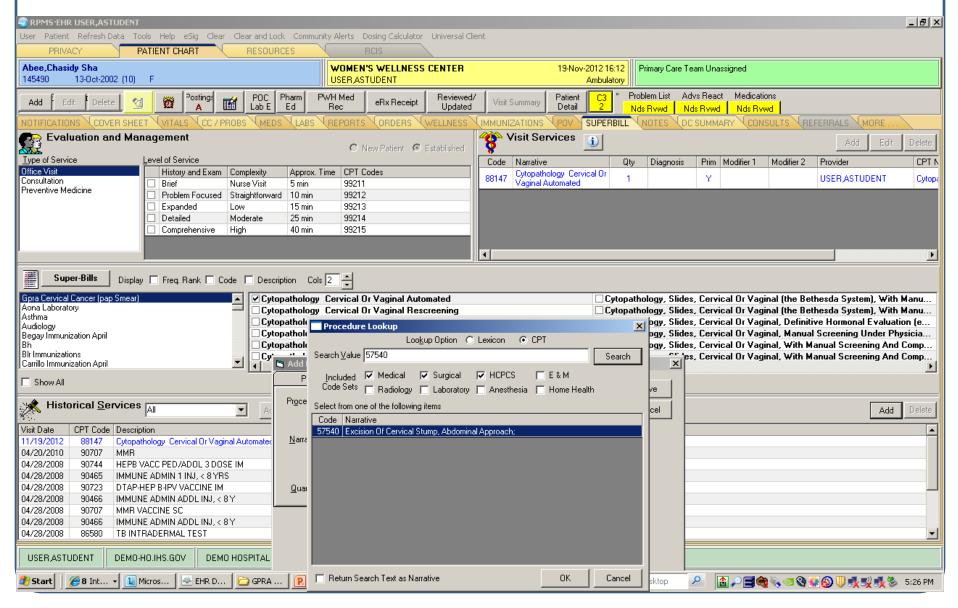
ICD-9 Picklist for Purpose of Visit



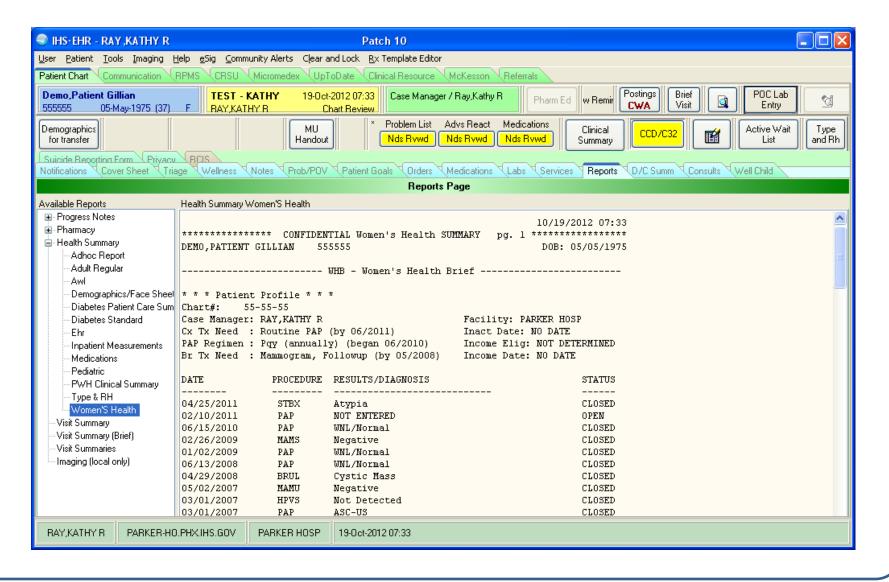
CPT Superbill & GPRA Historical Services



CPT Historical Procedures



Women's Health Summary



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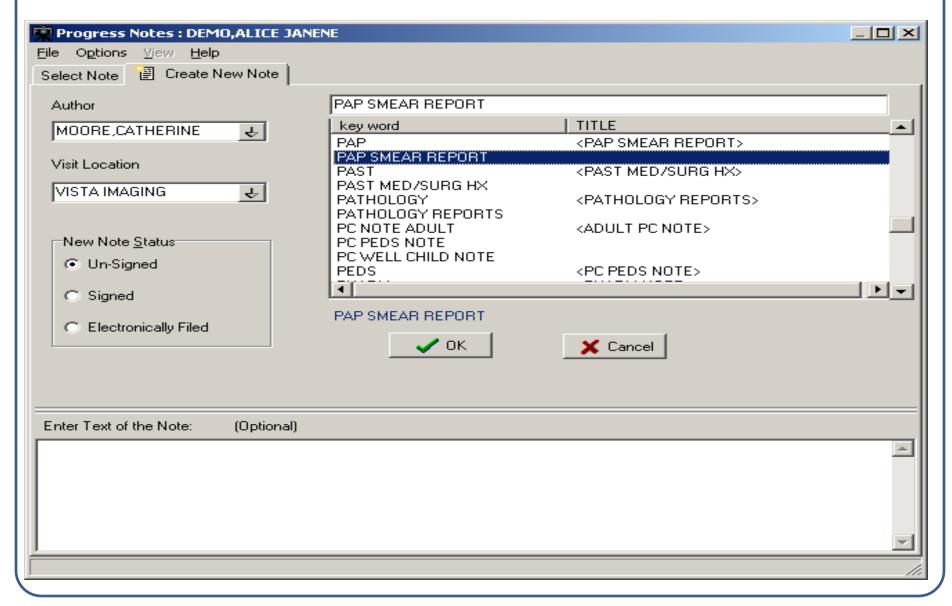
VistA Imaging for PAP Smear Reports

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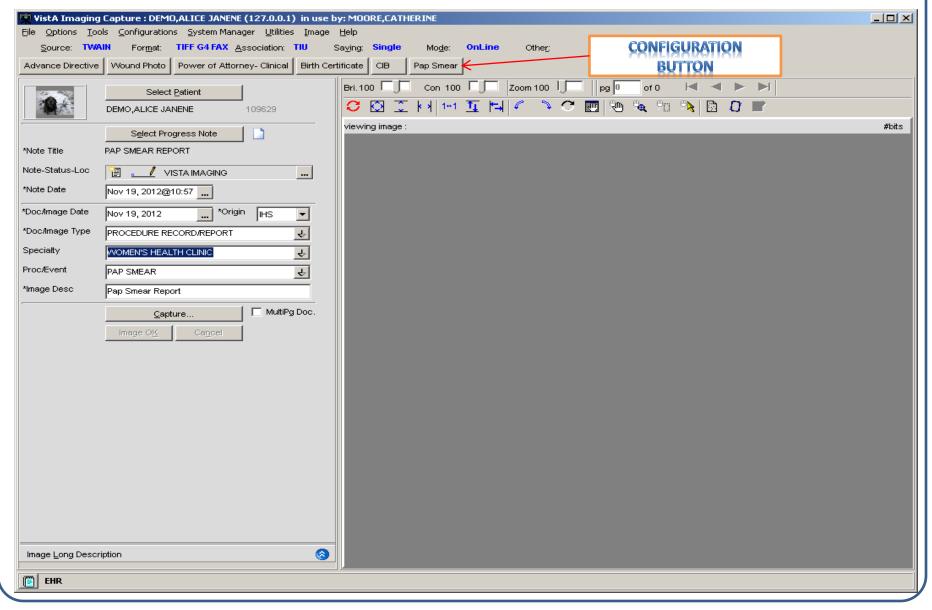
VISTA Imaging Configuration Steps

- Create a Note Title, Visit Location, and Note Status to Attach the PAP Smear Report when Scanning
 - Note Title Examples: Pap Smear, Outside Pap Smear.
 - Keep VI Note Titles Consistent
 - Visit Location: VistA Imaging
 - Note Status
 - Unsigned to Send Notification to Provider for Signature
 - Electronically Filed to Create Note without a Signature
- Select Index terms (Specialty, Procedure/Event, Image Description)
- Create a Configuration Button in VI Capture

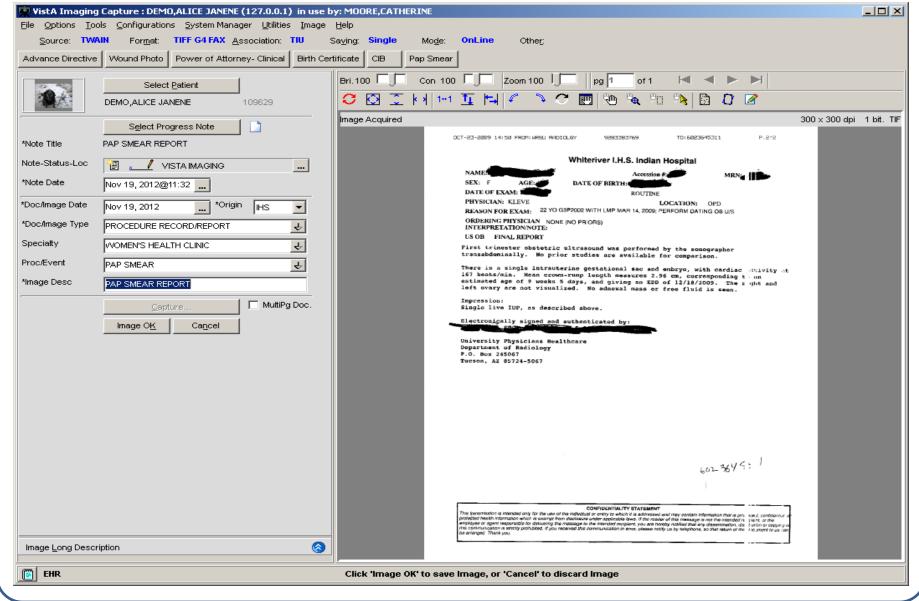
Create Note Title, Visit Location, Note Status



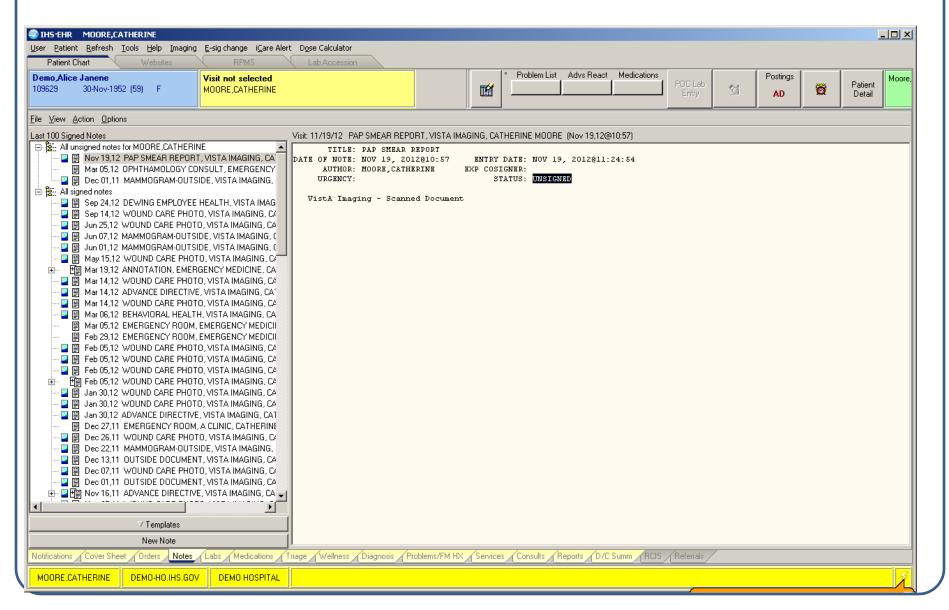
Create Configuration Button



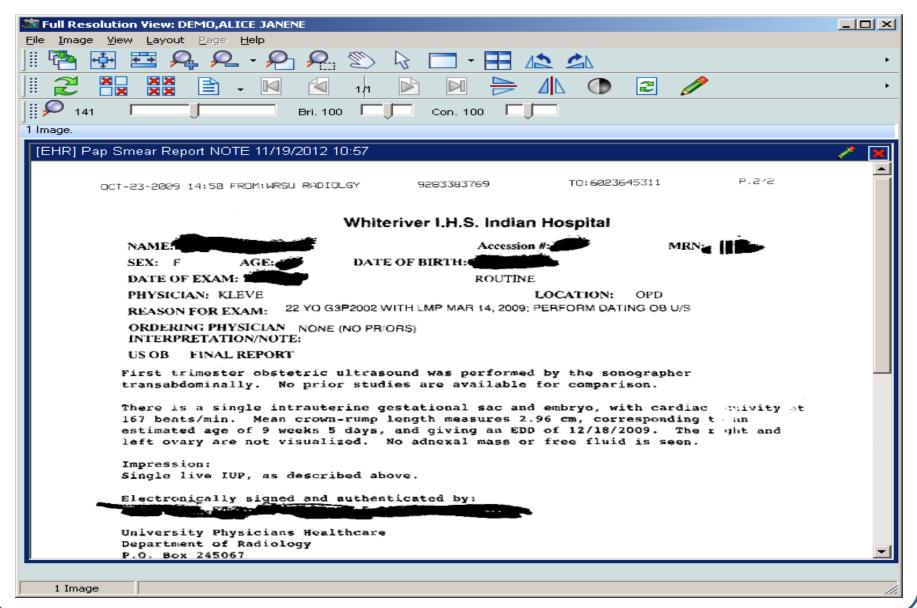
Report is Scanned



Note on EHR Note Tab



Scanned Report in VistA Imaging



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EHR PAP Reminder

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EHR Pap Reminder

- This Reminder is Intended for Normal Risk Women
- High Risk Women and Women with Abnormal PAP Tests Should be Managed Using iCare Care Management Event Tracking (CMET)

EHR Reminder Logic

- General Patient Cohort Found Text
 - REMINDER DUE: For Female Patients with Intact Cervix
 - Ages 21-29 if no Pap Test Documented in Past 2 Years
 - Ages 30-64 if no Pap Test Documented in Past 3 years
- REMINDER ON: 3 months before due date
- ***This Reminder Resolves Using the RPMS
 Data Found by the PCC Health Maintenance
 Reminder Lookup***

Logic Basis

- IHS OB/Gyn Clinical Consultant Determined Logic
- Based on American Congress of Obstetricians and Gynecologists Recommendations from 2010
- This Does Not Incorporate the Updated Recommendations from 2012
- ACOG Changed Their Recommendations for Normal Risk 21-29 Year Olds to Every 3 Years

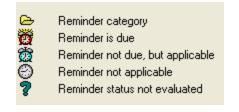
Logic Basis

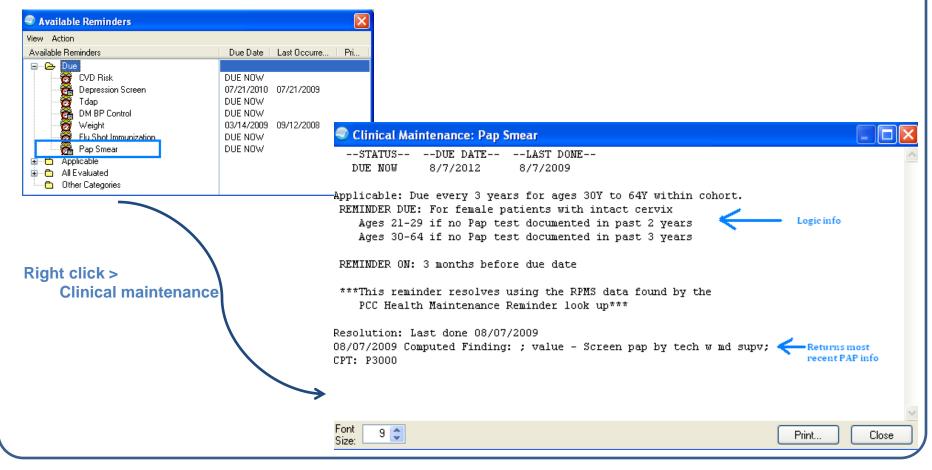
- Includes Women 21-64
- Excludes Patients Who Do not Have an Intact Cervix
 - Reminder Taxonomy in Cohort Logic IHS-HYSTERECTOMY 2009
 - Contains Hysterectomy Codes
 - Omits Supra-Cervical Hysterectomy

Resolution

- The Reminder Returns the Pap Test from Logic Search Used in the PCC Health Maintenance Reminder
- Pap Smear
 - Site Defined Lab Tests: V Lab site defined tests in [BGP taxonomy]
 - LOINC codes: V Lab as Predefined in BGP PAP LOINC CODES Taxonomy
 - Diagnosis (ICD Codes): V POV V67.01; V76.2; V72.32; V72.3; V76.47;795.06 [BGP PAP SMEAR DXS taxonomy]
 - Procedures (ICD Codes): V Procedure 91.46 [BGP PAP PROCEDURES]
 - Procedures (CPT codes): V CPT 88141-88167; 88174-88175; G0101;
 G0123; G0124; G0141; G0143;-G0145; G0147; G0148; P3000;
 P3001; Q0091 [BGP CPT PAP Taxonomy]
 - Women's Health Procedures: PAP SMEAR PAP SMEAR TAX

EHR Reminder Display





EHR Reminder Dialogs

"Smart note" that are linked to reminders

- Document Note
- Enter Data into RPMS (Orders, Historical Data, etc.)

Reminder Dialog

🥏 Reminder Resolution: Pap Smear 📃 🗖 🔀
PAP ORDERED TODAY
C Ordered Pap test and STD Testing
C per standing order
C per provider order
C per provider referral
C Ordered Pap test only
C per standing order
C per provider order
C per provider referral
PAP NOT ORDERED TODAY
Pap not done today.
HISTORICAL DATA
Historical Pap reported.
☐ Historical Hysterectomy Reported.
CHECK HERE to add comments
- Sinost thinks of sade comments
* Indicates a Required Field
<u> </u>
<no encounter="" entered="" information=""></no>
Clear Clinical Maint < Back Next > Finish Cancel

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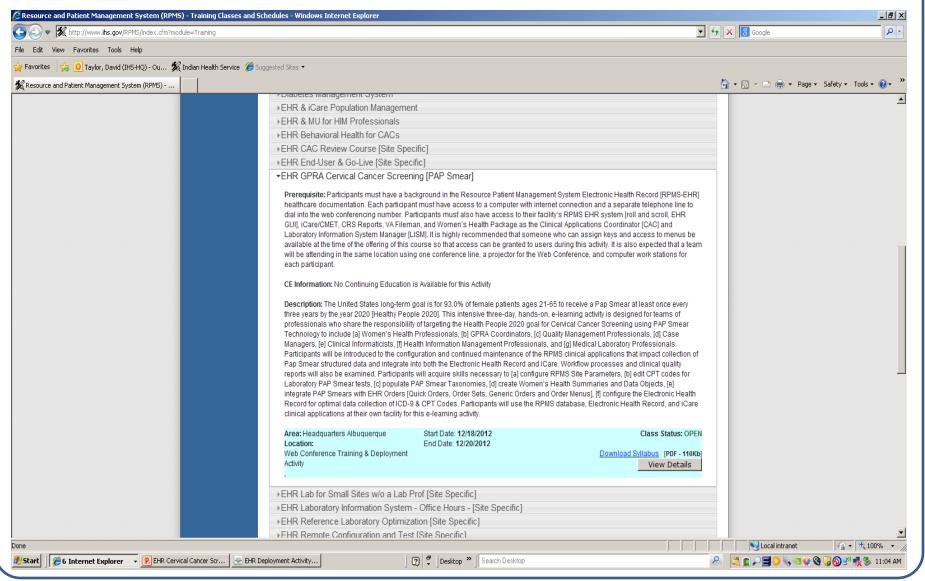
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RPMS Training Page

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RPMS Training Page EHR GPRA Cervical Cancer Screening





Questions & Discussion

