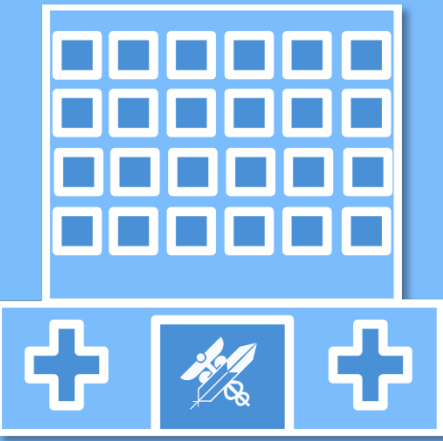




2014 EHR Certification Meaningful Use 2014 Patient List iCare (BQI) v2.3.3



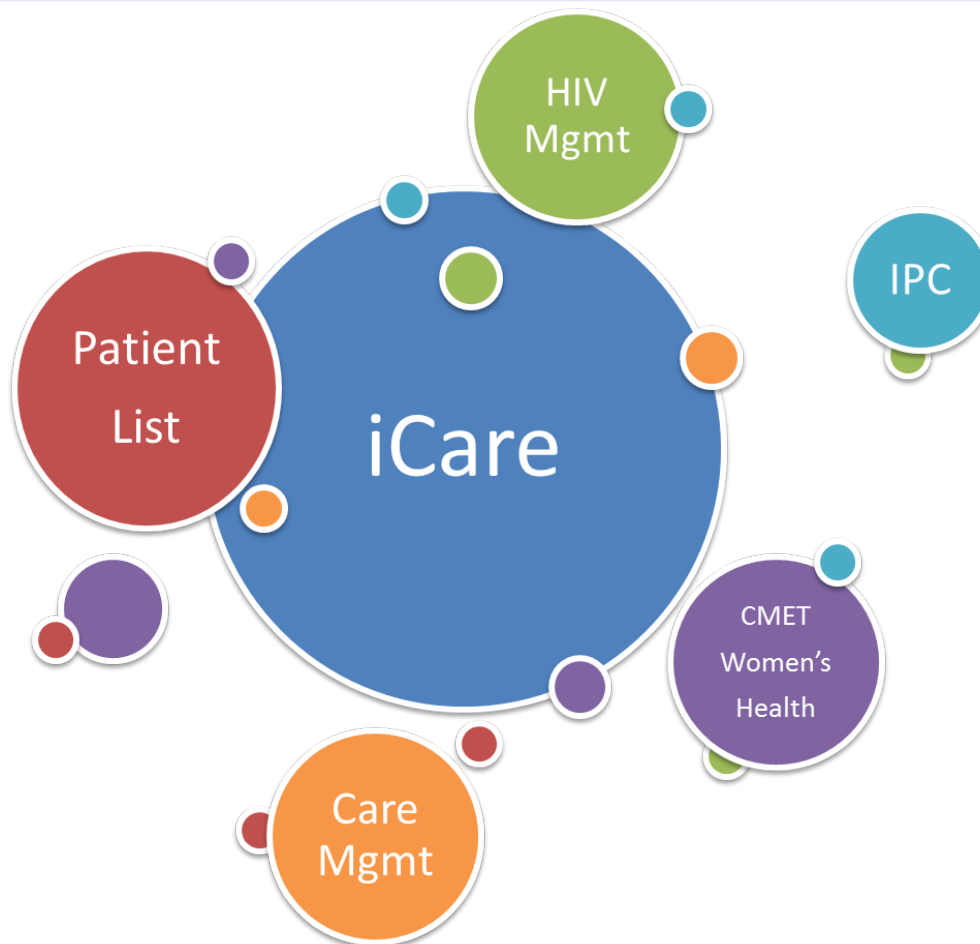
Federal Leads:
Theresa Tsosie-Robledo
Kathy Ray, Clinical Lead, Navajo Area CAC

iCare Functionality



- iCare is a reporting and case management tool for clinical decision support
- Panel definitions allow users to create custom patient lists based on users needs
- Definitions are applied to all patients in RPMS
- Lists are utilized to:
 - Manage care for groups of patients
 - Report on site measures
 - Report on provider measures

iCare Feature Highlights



iCare's Role in MU2014 Patient List



MU Objective

Generate lists of patients by specific conditions to use for quality improvement, reduction of disparities, research, or outreach.

2014 Edition EHR Certification Criteria

§ 170.314(a)(14) (Patient list creation)

Core Measures



Patient List

Eligible Hospital (EH) and Critical Access Hospital (CAH)

Objective: Generate lists of patients by specific conditions to use for quality improvement, reduction of disparities, research, or outreach.

Measure: Generate at least one report listing patients of the EH or CAH with a specific condition.

No exclusion.

Eligible Professional (EP)

Objective: Generate lists of patients by specific conditions to use for quality improvement, reduction of disparities, research, or outreach.

Measure: Generate at least one report listing patients of the EP with a specific condition.

No exclusion.

Core Measures (Continued)



Preventative Care

Eligible Professional (EP)

Objective: Use clinically relevant information to identify patients who should receive reminders for preventive/follow-up care and send these patients the reminders, per patient preference.

Measure: More than 10 percent of all unique patients who have had 2 or more office visits with the EP within the 24 months before the beginning of the EHR reporting period were sent a reminder, per patient preference when available.

Exclusion: Any EP who has had no office visits in the 24 months before the EHR reporting period.

Certification Criteria

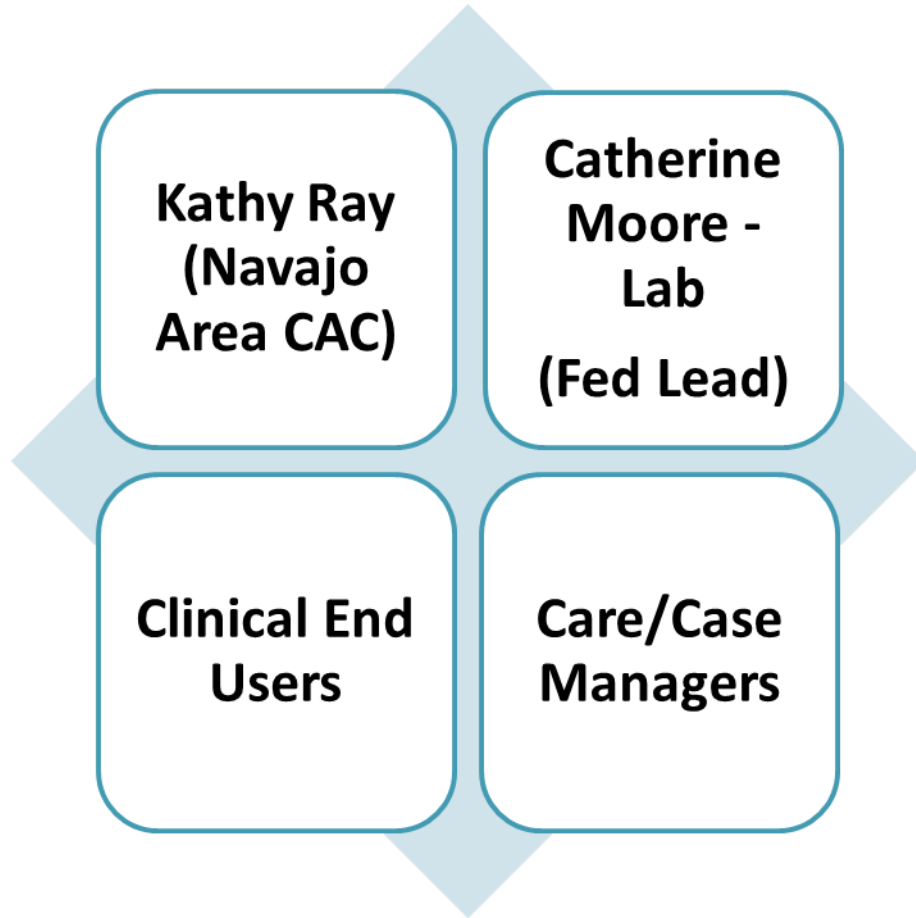


§ 170.314(a)(14) Enables a user to electronically and dynamically select, sort, access, and create patient lists by date and time based on each one and at least one combination of the following data:

- i. Problems
- ii. Medications
- iii. Medication allergies
- iv. Demographics
- v. Laboratory tests and values/results
- vi. Ambulatory setting only - patient communication preferences



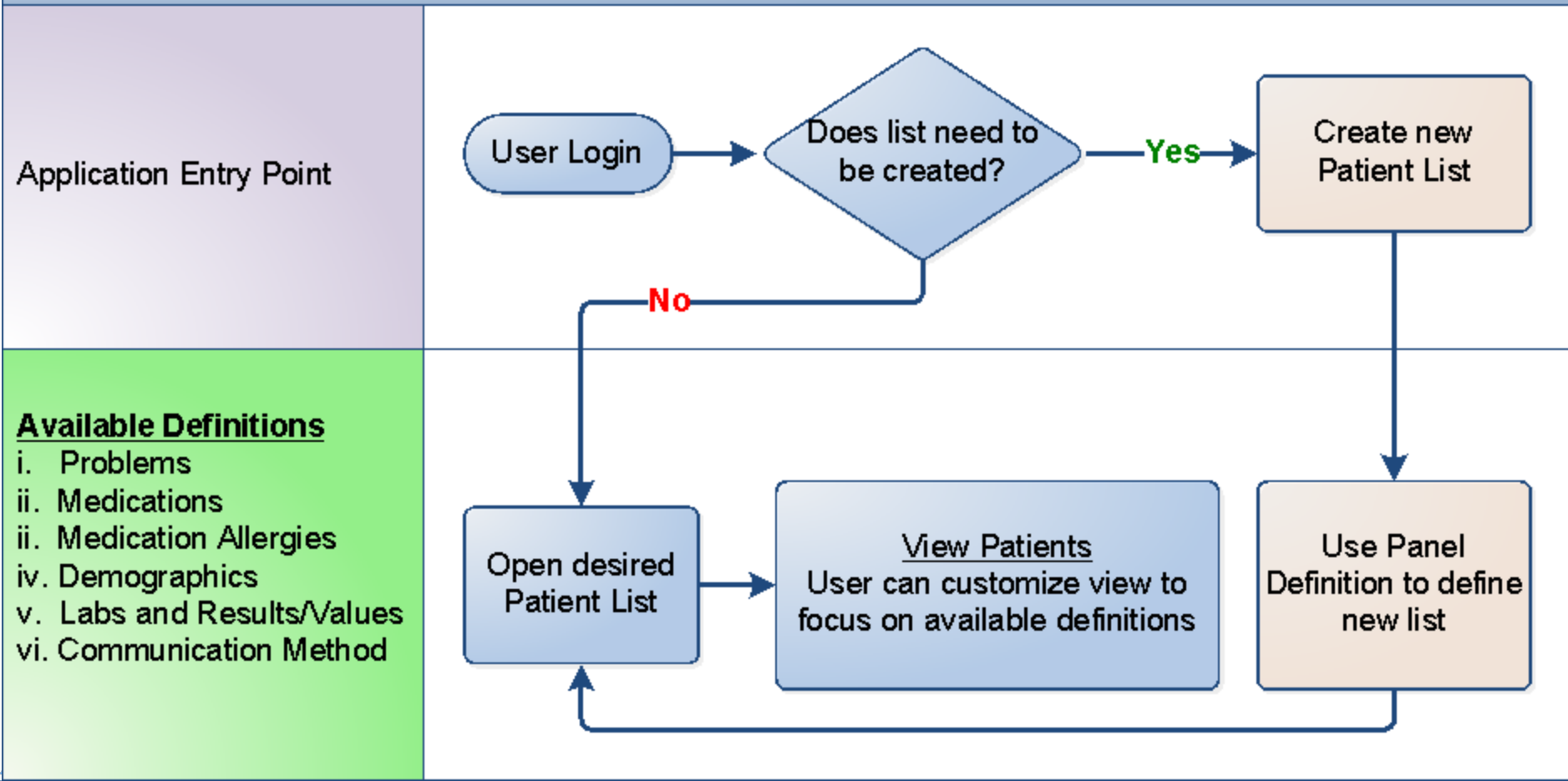
Subject Matter Experts Engaged



User Interface Workflow



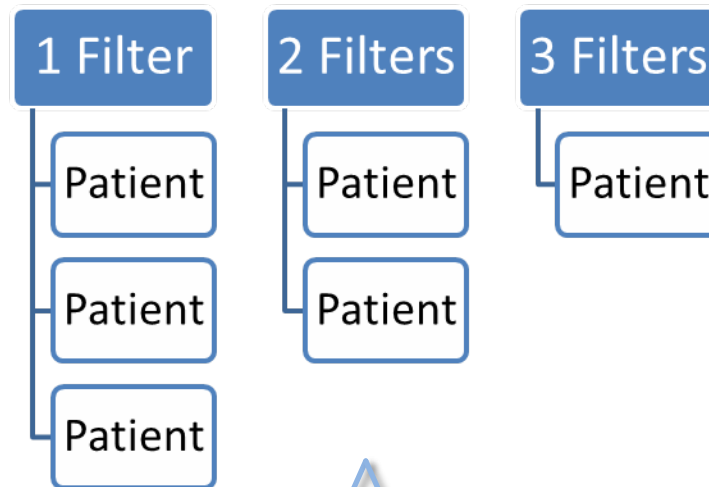
§170.314 (a)(14) Patient list creation – iCare (BQI) Workflow



General Statement About Defining Panels



- When defining panels you are effectively narrowing down the list of patients you will be presented with
- Each additional filter applied to your definition will further narrow your results reducing the number of patients in the list



Screen Mockups



Let's see what this
looks like within iCare

- i. Problems
- ii. Medications
- iii. Medication allergies
- iv. Demographics
- v. Laboratory tests and values/results
- vi. Ambulatory setting only – patient communication preferences

Patient Notification Reminders

i. Problem – Panel Definition



RPMS iCare - Problem List - Panel Definition

Definition | Layouts | Sharing | Auto Repopulate Options

***Panel Name:** Problem List **Category:** NIST 10-24 **Designate IPC Panel?** **Properties**

Panel Description: Diabetic Retinopathy

Population Search Options

- No Predefined Population Search - Add Patients manually
- My Patients
- Patients Assigned to
- Scheduled Appts
- Inpatient Visits
- ER Visits
- QMan Template
- RPMS Register
- EHR Personal List
- Ad Hoc Search

Parameters - n/a

Filters

- + Patient (Category)
- + PCC (None)
- Problem
 - No Documented Problems No Active Problems Problem List Not Reviewed in Last 365 Days
 - Range
 - By Date (none) to (none)
 - By Timeframe Last Year
 - By Taxonomy
 - By Name DIABETIC RETINOPATHY NOS [362.01]
 - Status:** CHRONIC SUB-ACUTE EPISODIC SOCIAL
 - Use AND?
- + Reminder (None)
- + Visit (None)
- + Other (None)

Users have several options available to include one or more problems or by taxonomy.

Add/Remove Problems

Available Selections

Find:

Starts With Contains

- 1ST DEG BURN CHEST WALL [942.12]
- 1ST DEG BURN FOOT [945.12]
- 25-26 COMP WKS GESTATION [765.23]
- 2ND DEG BURN FACE NEC [941.27]
- 2ND DEG BURN FOOT [945.22]
- 2ND DEG BURN FOREARM [943.21]
- 2ND DEG BURN HAND NOS [944.20]
- 2ND DEG BURN THUMB [944.22]
- 31-32 COMP WKS GESTATION [765.26]
- 3RD DEG BURN FOOT [945.32]
- 3RD DEG BURN LOW LEG [945.34]
- AB MAMMOGRAM NOS [793.80]

Current Selections

Find:

- DIABETIC RETINOPATHY NOS [362.01]

ii. Medications - Panel Definition (Existing Feature)



RPMS iCare - TE170.314a14_1.01_Medication List - Panel Definition

Definition | Layouts | Sharing | Auto Repopulate Options

*Panel Name: 170.314a14_1.01_Medication List Category: NIST 10-24 Designate IPC Panel? Properties

Panel Description:

Population Search Options

- No Predefined Population Search - Add Patients manually
- My Patients
- Patients Assigned to
- Scheduled Appts
- Inpatient Visits
- ER Visits
- QMan Template
- RPMS Register
- EHR Personal List
- Ad Hoc Search

Parameters - n/a

Filters

- PCC
 - + CPTs (None)
 - + Lab Tests (None)
 - Medications
 - No Documented Medications No Active Medications Medication List Not Reviewed in Last 365 Days
 - Range
 - By Date: (none) to (none)
 - By Timeframe: Last Year
 - Patient(s) did NOT have the following medication(s) during the selected range? ****Excludes medications from Panel View - Definition Details*
 - By Taxonomy: Selected Taxonomy Includes:
 - By Name:
 - Use AND?
 - + Patient Education (None)
 - + Problem (None)
 - + Reminder (None)
 - + Visit (None)
 - + Other (None)

iii. Medication Allergies – Panel Definition (Existing Feature)



RPMS iCare - TE170.314a14_1.01_Medication Allergy List - Panel Definition

Definition | Layouts | Sharing | Auto Repopulate Options

*Panel Name: a14_1.01_Medication Allergy List Category: NIST 10-24 Designate IPC Panel? Properties

Panel Description:

Population Search Options

- No Predefined Population Search - Add Patients manually
- My Patients
- Patients Assigned to
- Scheduled Appts
- Inpatient Visits
- ER Visits
- QMan Template
- RPMS Register
- EHR Personal List
- Ad Hoc Search

Parameters - n/a

Filters

- Patient

Sex: By Age Age: to
 By DOB Date of Birth: to

Preferred Communication Method: Preferred Language:

Beneficiary (None)
 Category (Living)
 Community (None)
 Diagnostic Tag (None)
 Allergies

No Allergy Assessment No Known Allergies

AMOXICILLIN

Use AND?

Employer (None)
 Ethnicity (None)
 Race (None)
 PCC (None)

Add/Remove Allergies

Available Selections

Find:

Starts With Contains

- 16184
- ACARBOSE
- ACCUPRIL TABLET
- ACE INHIBITORS
- ACETAMINOPHEN
- ACETAMINOPHEN 325MG (TYLENOL)
- ACETAMINOPHEN 325MG SUPP.
- ACETAMINOPHEN/CODEINE
- ACETAMINOPHEN/HYDROCODONE
- ACETAMINOPHEN/OXYCODONE
- ACETAZOLAMIDE
- ACETAZOLAMIDE 250MG TABS

Current Selections

Find:

- AMOXICILLIN

Users can select one or multiple allergies which can include medication allergies.

iv. Demographics - Panel Definition Preferred Language



RPMS iCare - Patient List - Demographics - Panel Definition

Definition | Layouts | Sharing | Preview | Auto Repopulate Options

*Panel Name: Patient List - Demographics Category:  Designate IPC Panel?

Panel Description:

Population Search Options

No Predefined Population Search - Add Patients manually

My Patients

Patients Assigned to

Scheduled Appts

Inpatient Visits

ER Visits

QMan Template

RPMS Register

EHR Personal List

Ad Hoc Search

Parameters - n/a

Filters

- Patient

Sex: By Age Age:
By DOB Date of Birth: (none) to (none)

Preferred Communication Method: Preferred Language:

- + Beneficiary
- + Category (Living, Deceased)
- + Community (None)
- + Diagnostic Tag (None)
- + Allergies (None)
- + Employer (None)
- + Ethnicity
- + Race

- + PCC (None)
- + Problem (None)

- CHEROKEE
- CHETEMACHA
- CHEYENNE
- CHIBCHAN
- CHICKASAW
- CHINESE
- CHINESE WU
- CHINOOK

OK

Cancel

iv. Demographics - Panel Definition

Ethnicity and Race



RPMS iCare - Patient List - Demographics - Panel Definition

Definition | Layouts | Sharing | Preview | Auto Repopulate Options

*Panel Name: PatientList - Demographics Category: [Color Picker] Designate IPC Panel? []

Panel Description: []

Population Search Options

Parameters - n/a

Filters

- Patient

Sex: [] By Age Age: [] [] []

By DOB Date of Birth: (none) [] to (none) []

Preferred Communication Method: [] Preferred Language: []

+ Beneficiary

+ Category (Living, Deceased)

+ Community (None)

+ Diagnostic Tag (None)

+ Allergies (None)

+ Employer (None)

- Ethnicity

Edit HISpanic OR LATINO

+ Race

+ PCC (None)

+ Problem (None)

OK Cancel

RPMS iCare - Patient List - Demographics - Panel Definition

Definition | Layouts | Sharing | Preview | Auto Repopulate Options

*Panel Name: PatientList - Demographics Category: [Color Picker] Designate IPC Panel? []

Panel Description: []

Population Search Options

Parameters - n/a

Filters

- Patient

Sex: [] By Age Age: [] [] []

By DOB Date of Birth: (none) [] to (none) []

Preferred Communication Method: [] Preferred Language: []

+ Beneficiary

+ Category (Living, Deceased)

+ Community (None)

+ Diagnostic Tag (None)

+ Allergies (None)

+ Employer (None)

+ Ethnicity

- Race

Edit AMERICAN INDIAN OR ALASKA NATIVE
NATIVE HAWAIIAN OR OTHER PACIFIC I

+ PCC (None)

+ Problem (None)

OK Cancel



iv. Demographics - Panel Definition

Cause of Death



RPMS iCare - Patient List - Demographics - Panel Definition

Definition | Layouts | Sharing | Preview | Auto Repopulate Options

*Panel Name: Patient List - Demographics Category: Designate IPC Panel?

Panel Description:

Population Search Options

- No Predefined Population Search - Add Patients manually
- My Patients
- Patients Assigned to
- Scheduled Appts
- Inpatient Visits
- ER Visits
- QMan Template
- RPMS Register
- EHR Personal List
- Ad Hoc Search

Parameters - n/a

Filters

Patient

Sex: By Age Age: to
 By DOB Date of Birth: to

Preferred Communication Method: Preferred Language:

+ Beneficiary

- Category

Living Inactive Deceased Date of Death: to

Cause of Death:

+ Community (None) Edit

+ Diagnostic Tag (None)

+ Allergies (None)

+ Employer (None)

- Ethnicity Edit

- Race Edit

Add/Remove CausesOfDeath

Available Selections

Find:

- [MAL NEO HEAD/FACE/NECK [195.0]]
- [MAL NEO INTRAHEPAT DUCTS [155.1]]
- [MAL NEO LIVER, PRIMARY [155.0]]
- [MAL NEO SIGMOID COLON [153.3]]
- [MALIG NEO GALLBLADDER [156.0]]
- [MALIG NEO TONGUE NOS [141.9]]
- [MALIG NEOPL KIDNEY [189.0]]
- [MALIG NEOPL STOMACH NOS [151.9]]
- [MALIGN NEOPL BREAST NOS [174.9]]
- [MALIGN NEOPL PROSTATE [185.1]]
- [MALIGN NEOPL VAGINA [184.0]]
- [MALNUTRITION MILD DEGREE [263.1]]

Current Selections

Find:

- [MALIGNANT NEO COLON NOS [153.9]]
- [MALIGNANT NEOPL RECTUM [154.1]]
- [MALIGNANT NEOPLASM NOS [199.1]]


OK Cancel

(v) Labs - Panel Definition Results / Values



RPMS iCare - Patient List - Lab Results - Panel Definition

Definition | Layouts | Sharing | Preview | Auto Repopulate Options

*Panel Name: Patient List - Lab Results Category:  Designate IPC Panel?

Ability to filter based on lab tests currently exists.

No Predefined Population Search - Add Patients manually

My Patients

Patients Assigned to

Scheduled Appts

Inpatient Visits

ER Visits

QMan Template

RPMS Register

EHR Personal List

Ad Hoc Search

Filters

Lab Tests

Range

By Date (none) to (none) By Timeframe Last M

Patient(s) did NOT have the following lab test(s) during the selected range?

By Taxonomy Selected Taxonomy Includ

By Name

VDRL
WBC

Edit

Filter on Lab Results/Values

Lab Result Ranges

Edit Delete

Lab Test	Range
VDRL	REACTIVE;WK REACTIVE
WBC	greater than or equal to 200

Use AND?

Lab Result Detail for VDRL

Please select the result values:

NONREACTIVE >>
WK REACTIVE
REACTIVE <<

OK Cancel

Lab Result Detail for WBC

Please enter the result range:

greater than or equal to 200

OK Cancel

Adding functionality to search by lab results/values.
"Edit" presents the user with test-appropriate result/value selection options.


18

(vi) Preferred Communication Method - Panel Definition



RPMS iCare - Patient List - Demo - Panel Definition

Definition | Layouts | Sharing | Preview | Auto Repopulate Options

*Panel Name: Patient List - Demo Category:  Designate IPC Panel?

Panel Description:

Population Search Options

No Predefined Population Search - Add Patients manually

My Patients

Patients Assigned to

Scheduled Appts

Inpatient Visits

ER Visits

QMan Template

RPMS Register

EHR Personal List

Ad Hoc Search

Parameters - n/a

Filters

- Patient

Sex: By Age Age: to

By DOB Date of Birth: to

Preferred Communication Method: Preferred Language:

- Beneficiary

Edit

+ Category (Living)

+ Community (None)

+ Diagnostic Tag (None)

+ Allergies (None)

+ Employer (None)

- Ethnicity

Edit

- Race

Edit

+ PCC (None)

+ Problem (None)

OK Cancel

Reminders



RPMS iCare - Patient List - Reminders - Panel Definition

Definition | Layouts | Sharing | Preview | Auto Repopulate Options

*Panel Name: Patient List - Reminders Category: Designate IPC Panel? Properties

Panel Description:

Population Search Options

- No Predefined Population Search - Add Patients manually
- My Patients
- Patients Assigned to
- Scheduled Appts
- Reminders**
- Inpatient Visits
- ER Visits
- QMan Templates
- RRM

Reminders Parameters

*Provider: ADAM,ADAM *Min # of Visits within Timeframe: 2 Last Two Years

*Reminder: DENTAL EXAM (HS) Due Overdue

Filters - n/a

- DENTAL EXAM (HS)
- Dental Visit (EHR)
- Depression Screen (EHR)
- DEPRESSION SCREENING (HS)
- Diabetes Screening (EHR)
- DIABETES SCREENING (HS)

Performance measure is defined by provider and states patient must have had 2 visits in the past 24 months.

Reminders definition in support of patient notification performance measures.

Viewing Patient Lists



List is presented in grid format. User can customize the columns presented to focus in on specific data.

RPMS iCare - Recent Visits - Panel View

File Edit Patients Tools Window Help

Recent Visits
Visits in last 6 months

Quick Patient Search: Total Patients = 59
Patient List Last Updated: Jan 08, 2013 10:51 AM by JARVIS,PATRICK

Properties

Patient List Reminders Rem Aggregated Natl Measures Natl Aggregated CMET

Add Open Remove Repopulate Copy Cut Paste Modify Share Layout

Patient Name	DOB	Sex	Race	Ethnicity	Preferred	Communi	Allergies	Date of Death	Active Insurance	Active DX Tags	Designated PC	Last Visit
[REDACTED]	Mar 12, 1992	M	ASIAN	HISPANIC OR LATINO	ACHINESE	MAIL	No Allergy Assessment				JARVIS,PATRICK	Jan 04, 2013
[REDACTED]	Apr 18, 1967	F					No Allergy Assessment				ACORD,ARLIS L	
[REDACTED]	Jun 27, 1963	M					MOTRIN		TRIBAL BC/BS - MED COMPONENT TE-NB; TRIBAL BC/BS - DENT COMPONENT DENTAL	CVD ASR (P)	JARVIS,PATRICK	Jun 20, 2012
[REDACTED]	May 19, 1955	M	AMERICAN INDIAN OR ALASKA NATIVE	NOT HISPANIC OR LATINO	ENGLISH	EMAIL	No Known Allergies		TRIBAL BC/BS - MED COMPONENT TE-NB	CVD ASR (P); HIV (A); Obese (P)	JARVIS,PATRICK	Jan 02, 2013
[REDACTED]	Jun 29, 1988	F					OTHER ALLERGY/ADVERSE REACTION: BEE STINGS; IMITREX			CVD ASR (P); Obese (P)	JARVIS,PATRICK	Jan 04, 2013
[REDACTED]	Aug 05, 1980	M				EMAIL	No Allergy Assessment			Asthma (A); HIV (A)	JARVIS,PATRICK	Jan 04, 2013
[REDACTED]	Sep 03, 1974	M	AMERICAN INDIAN OR ALASKA NATIVE	NOT HISPANIC OR LATINO	ENGLISH		PENICILLIN; PCN		TRIBAL BC/BS - MED COMPONENT TE/DEP -NB; TRIBAL BC/BS - DENT COMPONENT DENTAL	HIV (P)	JARVIS,PATRICK	Jun 22, 2012
[REDACTED]	Nov 26, 1975	F	AMERICAN INDIAN OR ALASKA NATIVE	NOT HISPANIC OR LATINO	ENGLISH	PHONE	CODEINE; GLYBURIDE; SALSALATE			CVD AHR (P); DM (A); HTN (P)	JARVIS,PATRICK	
[REDACTED]	Jan 17, 1990	M					No Known Allergies				JARVIS,PATRICK	Jul 13, 2012
[REDACTED]	Jun 10, 1967	F	AMERICAN INDIAN OR ALASKA	NOT HISPANIC OR LATINO	CHEROKEE	MAIL	No Allergy Assessment		TRIBAL BC/BS - MED COMPONENT TE-NB; TRIBAL BC/BS - DENT	CVD AHR (P); DM (A); HTN (P); Obese (P)	JARVIS,PATRICK	Oct 30, 2012

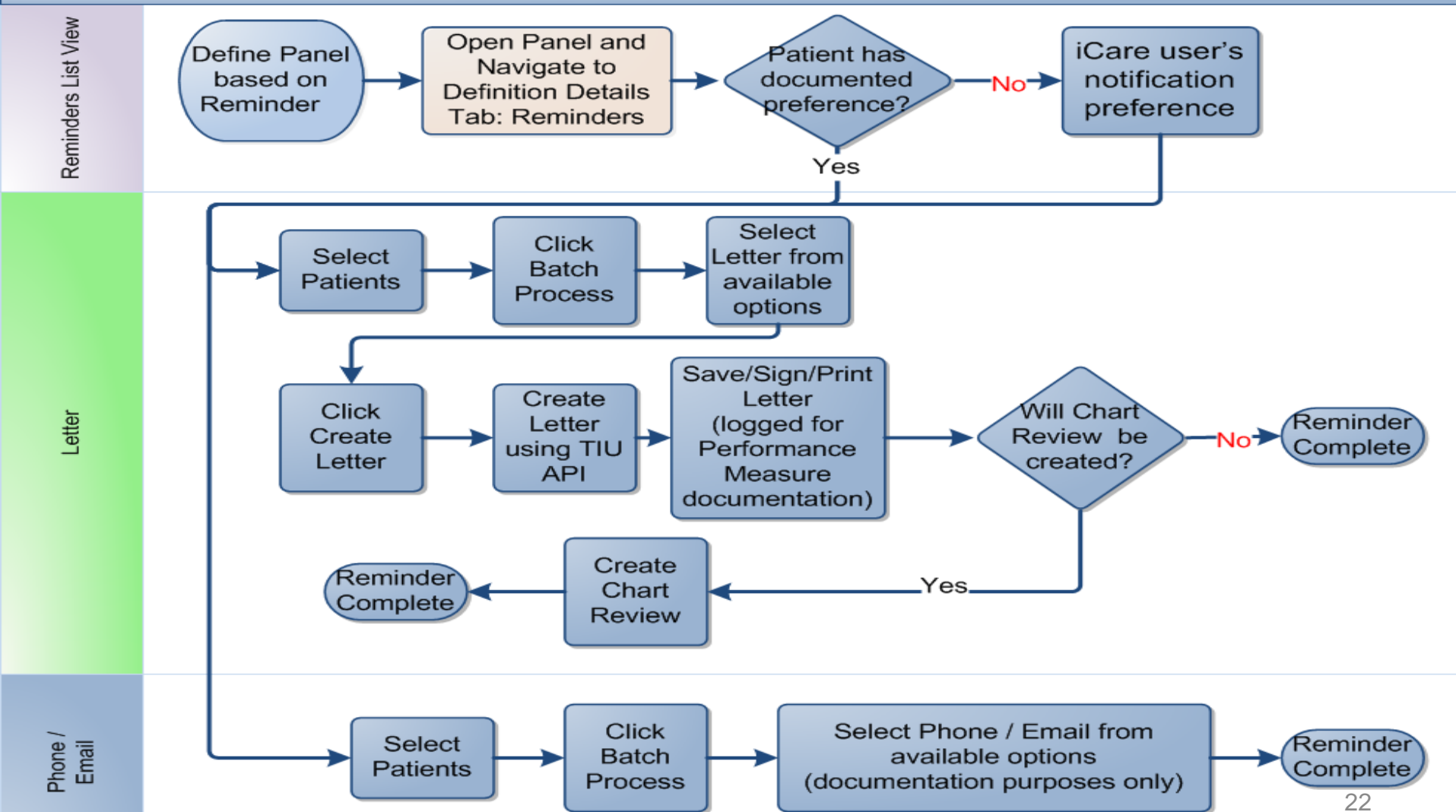
Ready. Current Layout: Customized (edited) Selected Rows: 0 | Visible Rows: 59 | Total Rows: 59

Reminders Workflow

Preventative Care



iCare (BQI) Patient Notification (Reminders) Workflow



Reminders - Batch Processing



Definition Details

Patient List Reminders Rem Aggregated Natl Measures Natl Aggregated CMET Care Mgmt Diagnostic Tags Flags

Please Select a Group: Reminder Notifications

Copy Patient(s) Layout

Notification Process

1

Select Patient(s)

2

Select the notification preference

3

WARNING
If a patient preference is noted here, you must use this preference to get performance measure credit!

Notification Type

Notification Type:

PHONE

Create

EMAIL

LETTER

PHONE

Selected Events:

Patient Name	HRN	DOB	Sex	Reminder	Communication Preference
		Jan 10, 1991	F	ALCOHOL USE SCREENING (HS)	
		Oct 18, 1985	F	ALCOHOL USE SCREENING (HS)	23

Thank you!

Questions?



Site Management



Providers



Nurses



Administrative



Get Started with iCare