

Team # 1 Open EMR Certification Gap Analysis						
Meaningful Use Stage 2 - Patient List Creation						
Patient List Objectives	Patient List Measures	OpenEMR Assessment	Current Status	Gap	Action Plan	Priority
1.Create a list of patients	Generate at least one report listing electronically and dynamically select, sort, access, and create patient lists.	Can the OpenEMR system generate a patient list?	Currently part of OpenEMR v4.1.2			
2. Generate a patient list based on a sequence or date range	Generate at least one report listing electronically and dynamically select, sort, access, and create patient lists by date and time.	Can the OpenEMR system generate a sorted patient list based on a date range?	Currently part of OpenEMR v4.1.2	The ability to sort based on specific date.	Model after the Clinical Report	High
3. Create a patient list with the ability to generate "each one and at least one combination"	Generate at least one report listing electronically and dynamically select, sort, access, and create patient lists by date and time and based on data from each one and at least one combination of data from two or more of the following data categories: problems, medications, medication allergies, demographics, laboratory tests and values/results, and, in the ambulatory setting only, patient communication preferences.	Can the OpenEMR system generate at least one list of patients based on a combination of data elements from two or more of the following categories: the Problem list, Medication list, Medication Allergy list, Demographics, Laboratory tests and values/results, and Patient communication preferences sorted patient list based on a date range?	The OpenEMR database stores information from all the outlined categories, this feature is not currently implemented.	The ability to search simultaneously based on date range, the Problem list, Medication list, Medication Allergy list, Demographics, Laboratory tests and values/results, and Patient communication preferences. The ability to sort based on specified criteria.	Model after the Clinical Report	High
4. Record a patient's communication preference	Generate at least one report listing electronically and dynamically set patient communication preferences in Ambulatory setting only.	Can the OpenEMR system generate a list based on communication preference?	The ability to store the communication preferences for a patient is currently part of OpenEMR v4.1.2, but the ability to search based on a patient's communication preference is not.	The ability to search based on a patient's communication preference. While there are different "Yes/No" style patient communication options in OpenEMR, there is no place to select a specific "preference." We recommend using an algorithm to auto-populate preference (which will be a new data element) based on existing Yes/No answers, and if multiple fields are "Yes" then letting the user of the EMR select one of the options. Another item that will need to be added is the type of provider (ambulatory or hospital) so that you can do the search based on ambulatory online (in case data from hospital is not necessarily included). This should be in a background databasae.	Model after the Clinical Report	High
5. Generate a patient list with medical problems	Generate at least one report listing electronically and dynamically select, sort, access, and create patient lists by date and time and based on structured data defined as medical problems.	Can the OpenEMR system generate a list based on medical problems?	The ability to store the medical problems for a patient is currently part of OpenEMR v4.1.2, but the ability to search based on a patient's medical problems is not.	The ability to search based on patient's medical problems.	Model after the Clinical Report	High
6. Generate a patient list with medications	Generate at least one report listing electronically and dynamically select, sort, access, and create patient lists by date and time and based structured data defined as medications, medication allergies.	Can the OpenEMR system generate a list based on medications?	The ability to store the medications for a patient is currently part of OpenEMR v4.1.2, but the ability to search based on a patient's medications is not.	The ability to search based on patient's medications. We also recommend adding another data element to pull from other parts of the OpenEMR database the allergy of the patients so you can sort by allergies.	Model after the Clinical Report	High
7. Generate a patient list with demographics	Generate at least one report listing electronically and dynamically select, sort, access, and create patient lists by date and time and based structured data defined as demographics.	Can the OpenEMR system generate a list based on demographics?	The ability to store the demographics for a patient is currently part of OpenEMR v4.1.2, but the ability to search based on a patient's demographics problems is not.	The ability to search based on patient's demographics.	Model after the Clinical Report	High
8. Generate a patient list with laboratory test results	Generate at least one report listing electronically and dynamically select, sort, access, and create patient lists by date and time and based structured data defined as laboratory tests and values/results.	Can the OpenEMR system generate a list based on laboratory test results?	The ability to store the laboratory test results for a patient is currently part of OpenEMR v4.1.2, but the ability to search based on patient's laboratory test results is not.	The ability to search based on patient's laboratory test results. We recommend adding fields that will pull in the preferred "Lab Test" and "Lab Values". We recommend doing this on the basis of codes for various lab tests (standards are key) rather than what seems to be the current free text option.	Model after the Clinical Report	High

Graphical Representation of Patient List for Modification for Meaningful Use 2 Attestation

Our current OpenEMR display in HITNY.ORG, this should be incorporated from the Clinical report into the Patient List report:

Calendar

Messages

Check Lab Results

Patient/Client

Fees

Procedures

Administration

Reports

Clients

List

Clinical

Referrals

Immunization Registry

Clinic

Visits

Financial

Procedures

Insurance

Blank Forms

Services

Miscellaneous

Popups

Find:

by:

Name ID
SSN DOB
Any Filter

Report - Clinical

Facility: -- All Facilities --

From: 2013-01-01

Patient ID:

To: 2013-11-17

Age Range: From To

Problem DX:

Gender: Unassigned

Drug:

Race: Unassigned

Ethnicity: Unassigned

Lab Result:

Option: Select

Sort By: ☐ Patient Name ☐ Age ☐ Diagnosis Code ☐ Diagnosis Title ☐ Drug ☐ NDC Number ☐ Lab Results

Submit

Please input search criteria above, and click Submit to view results.

Message and Reminder Center

Reminders

Show Reminders

Messages (See All)

Show All | Show Active | Show Inactive

From	Patient	Type	Date	Status
Add New Delete				

<< 0 of 0 >>

From interpreting the current Report-Clinical Screen we have already the following:

Report - Clinical

Facility: -- All Facilities --

From: 2013-01-01

Patient ID:

To: 2013-11-17

Age Range: From To

Problem DX:

Gender: Unassigned

Drug:

Race: Unassigned

Ethnicity: Unassigned

Lab Result: ?

Option: Select

Sort By: ☐ Patient Name ☒ Age ☐ Diagnosis Code ☐ Diagnosis Title ☐ Drug ☐ NDC Number ☐ Lab Results

Please input search criteria above, and click Submit to view results.

Demographics

Problem

Medications

Lab Results

The diagram illustrates the mapping of search criteria from the 'Report - Clinical' form to four categories: Demographics, Problem, Medications, and Lab Results. Arrows indicate the following connections:

- Demographics (Green box):** Points to Facility, Patient ID, Age Range, Gender, Race, and Lab Result.
- Problem (Red box):** Points to Problem DX.
- Medications (Blue box):** Points to Drug and Option.
- Lab Results (Cyan box):** Points to Lab Result.

We now want to expand the search criteria by adding the following data elements:

Report - Clinical

Facility: -- All Facilities --	From: 2013-01-01
Patient ID:	To: 2013-11-17
Age Range: From To	Problem DX:
Gender: Unassigned	Drug:
Race: Unassigned	Ethnicity: Unassigned
Lab Result:	Option: Select

Sort By: ☐ Patient Name ☐ Age ☐ Diagnosis Code ☐ Diagnosis Title ☐ Drug ☐ NDC Number ☐ Lab Results

Please input search criteria above, and click Submit to view results.

Option: Select

☐ Drug ☐ Lab Results

Procedure
Medical History
Service Codes

Add the addition Options:
☐ **Medical Problems**

Lab Test: Lab Values/Results:

Add a new field Lab Test: and Lab Values/Result:

Drug: Drug Allergies:

Add a new field Drug Allergies:

Facility: -- All Facilities -- Type:

Add a new field Type:

The new field is contingent if we can get these values from the current EHR version.

A new algorithm to pull in the patient communication preference into the Patient List that is check “yes” for ambulatory settings only:

Demographics

Who Contact **Choices** Employer Stats Misc

Provider:

Referring Provider:

Pharmacy:

HIPAA Notice Received:

Allow Voice Message:

Leave Message With:

Allow Mail Message:

Allow SMS:

Allow Email:

Allow Immunization Registry Use:

Allow Immunization Info Sharing:

Allow Health Information Exchange:

Allow Patient Portal:

As for the Ambulatory settings, a new field to be added for new creation of type of Facilities e.g. Inpatient, Outpatient, DPO, Clinic, Ambulatory.....:

Add Facility

Name: *

Address:

City:

State:

Country:

Website:

Billing Location: ☐

Service Location: ☐

Primary Business Entity: ☐

POS Code:

Billing Attn:

CLIA Number:

Phone:

Fax:

Zip Code:

Tax ID:

Facility NPI:

Email:

Accepts Assignment (only if billing location): ☐

Color: * [\[Pick\]](#)

* Required