

EHR Lab Configuration

Lauren Gluck
Physician's Computer Company
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Goal of this Course

- Explore configuring discrete lab orders and discuss the benefits of using discrete lab tests. Configuring your lab tests helps you ensure that your lab data is tracked accurately and easily.



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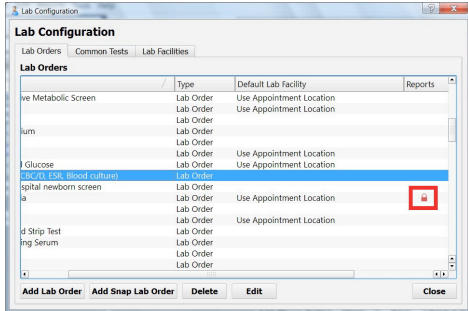
Lab Configuration Tool

- The Lab Configuration tool is located under the Tools menu in PCC EHR.
- The Lab Configuration tool is split into three sections:
 - Lab Orders: Lists all of the lab orders configured for your practice
 - Common Tests: Lists all of the discrete lab test codes, called LOINC codes, that can be used to configure the labs
 - Lab Facilities: Lists all of the lab facilities configured for your practice



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Hiding Lab Order from Patient Reports



Configuring Discrete Lab Tests

- Before configuring your lab tests, choose which lab orders you want to configure. Once you have chosen the labs, choose the lab tests that will be associated with the lab order.
- Lab tests can be easily selected:
 - If you have a print out of lab results for that lab, use those results to help choose the codes. This allows you to ensure that you have the correct unit of measure, if the test is pos/neg and specimen source.
 - If you are able to use a test that is pos/neg for most tests within a lab, it will increase the efficiency of entering the results.

Configuring Discrete Lab Tests

- Entering a default reference range helps in two ways:
 - If the reference range is entered by default, the values won't need to be entered each time the lab results are entered.
 - Default reference ranges can help clinical staff determine the interpretation of the test.
- For larger labs, you can pick the top 5 tests that your practice really wants to track. This will reduce the amount of time it takes to enter the lab test results into the chart.

Why should your office use discrete lab tests?

- For those practices applying for ARRA funding, there are Clinical Quality Measures (CQM) and Meaningful Use measures that are based on discrete lab tests:
 - CQM report 0002: Appropriate Testing for Children with Pharyngitis
 - In order for a patient to count in the numerator of this report, they need to have been screened for strep using one of the following LOINC codes: 11268-0, 17656-0, 18481-2, 31971-5, 49610-9, 5036-9, 626-2, 6556-5, 6558-1, 6559-9.
 - Code 6556-5 is the most commonly used Rapid Strep LOINC code.



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 - The Meaningful Use measure: Incorporate Lab Test Results as Structured Data only looks at lab orders configured with discrete tests. If a lab is a generic lab and doesn't have any tests, the meaningful use report will not count that lab at all on the report.
 - This measure is currently an additional measure, but under the 2014 ARRA2 guidelines, incorporating lab test results as structured data will be required for 55% of lab results.
 - The meaningful use report looks at all of the lab tests that are ordered. For example, if you order a Urinalysis lab with 10 tests, the meaningful use report will show 10 in the denominator.



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Why should your office use discrete lab tests?

- The Flowsheet screen in the patient's History information tracks any labs ordered for the patient, both generic labs and discrete labs. However, if you have a lab that is configured with discrete tests, your practice can track specific elements of the lab over time.
- If you have a generic lab that has been scanned into the EHR and the note on the lab says "See attached scan" clinical staff looking at that lab will have to open the scanned document to see the results.



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Lab Results on Flowsheet Screen

Test	Result	Interpretation	Date
Granulocytes in Blood	2.0	Normal	06/07/13 (5y 2m)
Granulocytes in Blood	3.0	Abnormal	06/06/13 (5y 2m)
Granulocytes/100 leukocytes in Blood	34.0	Abnormal	06/07/13 (5y 2m)
Granulocytes/100 leukocytes in Blood	36	Normal	06/06/13 (5y 2m)
Hematocrit	39.0	Normal	06/07/13 (5y 2m)
Hematocrit	82	Normal	06/06/13 (5y 2m)
Hemoglobin	40.0	Normal	06/07/13 (5y 2m)
Hemoglobin	45	Normal	06/06/13 (5y 2m)
Lymphocytes	20.0	Normal	06/07/13 (5y 2m)
Lymphocytes	21.0	Normal	06/06/13 (5y 2m)



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Why should your office use discrete lab tests?

- The Lab Details report will show a complete record of the lab result. The report will also show information about the patient and the lab facility that performed the lab.
- If the patient or a specialist needs a copy of the lab results, the Lab Details report can be printed.
- Discrete lab test results will also appear on the Health Information Summary and the Patient Visit Summary, unless that lab has been hidden from patient reports.



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Accessing the Lab Details report

Test	Result	Units	Reference Range	Interpretation
White Blood Cells	10	10 ³ /uL	4.3-10.8	Normal
Red Blood Cells	4.0	10 ⁶ /uL	4.2-5.4	Abnormal
Hemoglobin	40	g/dL	37.0-47.0	Normal
Hematocrit	82	%	81.0-99.0	Normal
MCV	15	fL	27.0-31.0	Abnormal
MCH	37	pg	33.0-37.0	Normal
MCHC	200	g/dL	150-190	Normal
Platelet mean volume in Blood by Automated count	5	fL	4.0-15.0	Normal
RDW	3.0	%	1.2-3.4	Normal
Lymphocytes, Absolute	1.2	10 ³ /uL	0.2-1.7	Normal
Monocytes in Blood by Automated count	0.2	10 ³ /uL	0.2-1.7	Normal
Granulocytes in Blood	9.0	10 ³ /uL	1.8-7.2	Abnormal



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