

### Factor 3: Flags abnormal lab results, bringing them to the attention of the clinician

Abnormal lab results are highlighted in red when results are being entered manually. For example, here's a screen shot showing what clinical staff will see when marking a rapid strep with a positive result:

The screenshot shows a software window titled "Edit Order - Lab Orders - Rapid Strep" for patient "Dino Flintstone" (4 yrs, 3 mos, 8/02/09, M). The order is for "Rapid Strep" at "PCC Pediatric Test Associates (Doctor's Office)". The specimen was collected by "PCC PCC" on "11/21/13" at "4:20 PM". The test result is "Pos" (highlighted in red) and the interpretation is "Abnormal" (highlighted in red). A note reads "Abnormal results are highlighted in red". The "Signature Required" checkbox is checked, with a sub-note: "Alert physician of abnormal test by requiring them to sign off on it". Other options include "Canceled" (unchecked) and "Include on Patient Reports" (checked).

Test	Result	Units	Reference Range	Interpretation
Rapid Strep Screen	Neg Pos		Negative	Abnormal

The positive result button and abnormal interpretation selection are highlighted in red to be more noticed. If desired, clinical staff can bring this to the attention of the physician by flagging the lab order with "Signature Required". This forces result to appear on the provider's signing queue to be signed off on, as shown in the following screenshots:

sales-demo-6.18.1 [Running]

PCC EHR

File Edit Reports Tools Help

Schedule (1) Visit Tasks (19) E-lab Results (26) Messaging (5) Signing (3)

PCC EHR

FIND

Tasks: 3

Signed	Ready	Patient	Items to Sign	Provider	Co-Signer	Docs
		Dino Flintstone	<b>Orders - Rapid Strep</b>	Jones		
		Dino Flintstone	Visit - Sick V3	Jones		
		Hope Quarry	Visit - 9-10 Yr Well - Demo II	Jones		

Items to Sign: All Signable Items

Signing Status: Ready to Sign

Provider: Jones

Save My Defaults

Page Up Page Down Page 1 / 1

Open Chart Sign

Logged In: pcc

start PCC EHR 04:38PM

When the clinician opens up Dino's rapid strep order to sign, the abnormal result is highlighted in bold. The clinician can open the chart from here for general review or to complete a visit. Once ready, the clinician signs the order and it is removed from the signing queue.

**Sign Orders** Dino Flintstone 4 yrs, 3 mos 8/02/09 M  
 11/20/13 - Sick V3

Summary **Lab Order Details**

**Lab Results Ready to Sign**

✓ Rapid Strep **Completed** TO: anita  
 Facility: PCC Pediatric Test Associates (Doctor's Office) Order Date: 11/20/13  
 Specimen Collected: By PCC PCC 11/21/13 04:20 PM

Test	Result	Units	Reference Range	Interpretation
<b>Rapid Strep Screen</b>	<b>Positive</b>		<b>Negative</b>	<b>Abnormal</b>

SIGNATURE REQUIRED

**Signing Notes**  
 Rapid Strep  
 Signing Note:

**Messaging Tasks**

TASK  TO   
 NOTE   
 Task Completed AT  12:00am BY

When lab results are received electronically within PCC EHR from an outside lab vendor, the PCC EHR user will import the lab result into the patient's chart, attaching the result to the appropriate visit and lab order. When viewing and importing e-lab results, abnormal results are highlighted in bold in the "Result Details" tab as shown in the following example of results received from Labcorp, a participating e-lab vendor:

sales-demo-6.18.1 [Running]

### Import E-lab Results

Summary | Result Details

**CBC With Differential/Platelet (005009) Final Results**

Test	Result	Units of Measure	Reference Range	Interpretation	Date Performed	Performed Site
WBC	40.0	x10E3/uL	4.0-10.5		07/18/13	ETL
Interpretation: Alert High						
RBC	2.54	x10E6/uL	4.14-5.80		07/18/13	LRBSL
Interpretation: Alert Low						
Hemoglobin	20.1	g/dL	12.6-17.7		07/18/13	TIP
Interpretation: Alert High						
Hematocrit	65.4	%	37.5-51.0		07/18/13	LB
Interpretation: Panic High						
<b>MCV</b>	<b>Test Not Performed</b>				<b>07/18/13</b>	<b>LB</b>
Duplicate determinations did not agree. Specimen quantity insufficient to repeat.						
MCH	30.0	pg	26.6-33.0		07/18/13	LB
<b>MCHC</b>	<b>30.1</b>	<b>g/dL</b>	<b>31.5-35.7</b>	<b>Below Low Normal</b>	07/18/13	LB
<b>RDW</b>	<b>17.7</b>	<b>%</b>	<b>12.3-15.4</b>	<b>Above High Normal</b>	07/18/13	LB

Select the patient to receive the e-lab results.

Best Matches for: Dino Flintstone 08/01/09 M

Last	First	DOB/Sex	PCC #	PCP	Patient Flags
Flintstone	Dino	08/02/09	M 3335	Casey	Billing Problem

start | PCC EHR | Import E-lab Results | 11:08AM

Once e-lab results have been imported into a patient's chart, the result always appears on the signing queue within PCC EHR for the clinician to review and sign off on. When signing the e-lab, abnormal results are highlighted in bold in the result summary so they are easier to spot:

sales-demo-6.18.1 [Running]

PCC EHR Sign E-lab Results

**Dino Flintstone 4 yrs, 3 mos 8/02/09 M**

LABCORP - 08/20/13 09:59 AM

Summary Order Details

**E-lab Results Ready to Sign**

✓ CBC With Differential/Platelet **Final Results - No Tasks**

Facility: LabCorp (LabCorp) Order Date: 10/15/13

Final Results reported from LabCorp 08/20/13 09:59:00 AM

Relevant Clinical Information:  
PATIENT HAS HIGH BLOOD PRESSURE

Comments:  
FASTING

CBC With Differential/Platelet (005009)

Test	Result	Units	Reference Range	Interpretation
WBC	40.0	x10E3/uL	4.0-10.5	Interpretation: Alert High
RBC	2.54	x10E6/uL	4.14-5.80	Interpretation: Alert Low
Hemoglobin	20.1	g/dL	12.6-17.7	Interpretation: Alert High
Hematocrit	65.4	%	37.5-51.0	Interpretation: Panic High
<b>MCV</b>	<b>Test Not Performed</b>			
Duplicate determinations did not agree. Specimen quantity insufficient to repeat.				
MCH	30.0	pg	26.6-33.0	
<b>MCHC</b>	<b>30.1</b>	<b>g/dL</b>	<b>31.5-35.7</b>	<b>Below Low Normal</b>

Open Chart Save Save+Exit Cancel Sign

start PCC EHR Sign E-lab Results 11:22AM

A clinician can also review the results of lab tests and other types of orders in the Flowsheets section of the patient chart. The Flowsheets section displays an historical review of a patient's diagnoses, completed labs, medical tests, screenings, and radiology, and vitals. In the lab flowsheet, the clinician can see a summary of every lab result received for the patient. Abnormal results are highlighted in bold as shown in the following screenshot:

**PCC EHR**

**FIND**

**Dino Flintstone PCC# 3335**

Medical Summary

Demographics

History

Visit History

Immunization History

**Flowsheets**

Growth Charts

Documents

**Visit: 11/20/13**

Sick V3

**Flowsheets** **Dino Flintstone 4 yrs, 3 mos 8/02/09 M**

Diagnosis Lab Medical Test Radiology Screening Vitals

**Lab** Display: All Labs Sort by: Date  Date Columns Status: All Statuses

<b>Rapid Strep Screen</b>	11/21/13 (4y 3m)
Result:	<b>Positive</b>
Interpretation:	<b>Abnormal</b>
Order:	<a href="#">Rapid Strep</a>
Status:	<b>Completed</b>
<b>Basophils in Blood by Automated count</b>	07/18/13 (3y 11m)
Result:	0.0 x10E3/uL
Interpretation:	<i>not entered</i>
Order:	<a href="#">CBC With Differential/Platelet</a>
Status:	Final
<b>Basophils/100 leukocytes in Blood by Automated count</b>	07/18/13 (3y 11m)
Result:	0 %
Interpretation:	<i>not entered</i>
Order:	<a href="#">CBC With Differential/Platelet</a>

Abnormal results are highlighted in bold

Add Phone Note Close Save Save + Exit