

OpenELIS

Design/Requirements

Change/Feature Name : Internal Dashboard

Date : **4/27/2022**

Target Release: **OE v.2.7.3.1**

Contents

Background	1
User Stories	1
Reception	1
Results	2
Validation	2
Management	2
Business Rules:	3
Localization	3
Considerations	3
Traceability	3
Signatures	3

Background

Users need certain information to make their everyday jobs easier. The dashboard should have different views for different roles. The roles are, Reception, Results, Validation, Management.

The landing page should be the “reception” dashboard

Business Rules:

Okay, simplifying all that. I want one main dashboard page, which will have the basic Idea of the UI below, but please use the carbon tiles as the guide for layout/design just use the wireframe for order and content: <https://carbondesignsystem.com/components/tile/usage/>

We should use expandable tiles

- Click in progress:

- Example below main dashboard UI
- Only show if they are awaiting result as the status
- Show if they are a STAT order (a priority) or not
- Show order date
- Show test name
- Show turn around time (might not be able to do this)
- Show patient ID (unique health ID first, or national ID if unique health ID is not filled)
- Show by lab unit in the tab (<https://carbondesignsystem.com/components/tabs/usage/>)
 - Only show lab units the user has access to (EG: if they have right to hematology in any way, show those in the results only)
- Click Ready for validation, completed today, partially completed today: same basic layout as In Progress, just different filters
- Click “Orders entered by user”
 - Show the user’s name
 - on click show the name of the user (Last, First and the number of orders entered that day for all users who have entered more than 0 orders)
- Click “Orders rejected”
 - List of all rejected orders, same layout as in progress
- Click “unprinted results”
 - Show a list of name of facility, and the list of orders with unprinted results, same format as In progress, on click, generate the patient report in pdf for that order for printing
- Incoming orders
 - Total number from “Incoming orders” inbox, on click load the inbox
- Average turn around time
 - Show for entire lab
 - on click
 - Show reception to results TAT
 - Show result to validation TAT
 - Able to view by lab section
 - under lab section by test name



Cote d'Ivoire Regional Laboratory Laboratory Information System

Version: 2.7.1.5



Order ▾

Patient ▾

Non-Conforming Events ▾

Workplan ▾

Results ▾

Validation ▾

Reports ▾

Admin ▾

Help ▾

In Progress

Awaiting results entry

126



Ready for Validation

Awaiting review

34



Orders Completed Today

Total orders completed today

76



Partially Completed Today

Total orders completed today

16



Orders Entered by User

Entered by FIRST LAST today

15



On click: show a list of users who have entered more than 1 test, list by name and number of orders entered

Orders Rejected

Orders rejected by lab today

3



Unprinted results

Unprinted results (expand for by site)

36



Incoming Orders

Unprinted results (expand for by site)

7



Average Turn Around Time

Reception to validation

126



On click: show

reception to result - in hours
Result to validation - in hours
Reception to validation - in hours

Break down by lab unit, then by test

Delayed Turn Around time

More than 96 hours

12



In Progress
Awaiting results entry

103

Biochemistry (35)

Hematology (12)

Serology (84)

Immunology (7)

Molecular Biology (34)

Virology (56)

STAT	Order Date	Patient ID	Lab Number	Test Name	TAT (Hours)
	29/05/2021	14313135153	A1324568	WBC	111
	26/05/2021	B1235978	4564131321	WBC	56
	21/05/2021	B1235978	20210000000000950	WBC	20
	29/01/2021	B1235978	reflb210000000000121	RBC	44
	15/01/2021	B1235978	reflb210000000000122	RBC	2
⚠	15/05/2020	B1235978	20210000000000952	RBC	1
⚠	29/03/2020	B1235978	20210000000000953	RBC %	6

On click: Search by order number with the number from the test clicked
<https://testing.openelis-global.org:8443/OpenELIS-Global/AccessionResults>

Items per page: 10 1–10 of 103 items 1 of 11 pages

Localization

English	French
STAT	urgent
Ready for validation	
In progress	
Ready for Validation	
Orders completed today	

Considerations

Traceability

Signatures

Role	Signature	Date
Stakeholder		
Feature Lead Casey		
Dev		

Old User Stories

- Reception

- I want to know how many tests I (current user) have entered today or during a period, and be able to expand by type to see how many I've entered by test.
- I want to know if there are new results which have become finalized, and haven't yet been printed. And have those be able to be broken out by ordering facility and Ward. EG: Victoria Flu Clinic (17), and further be able to click something to have them generated en masse or by facility.
- I want to see how many STAT orders are in the Electronic orders, awaiting samples
- I want to know how many rejected samples I have entered during a period and where(site provider) they're coming from
- See the number of referrals by the current user
- See results that have been returned by the reference labs that haven't been printed yet
- See finished results that haven't been printed yet
- See the number of orders pending samples. The number of samples marked as collected but not received. (this is pending the completion of the sample collection module)

- Results

- I want to see how many orders are awaiting results by lab unit, and broken down into by test
- I want to know how many sample have been rejected by the analyzer (assumes that we know what marks we have from analyzer when sample have been rejected at technical level)
- I want to see current result turn-around times by test

- From reception time to the result being entered
- I want to be able to filter my views generating a list of matching lab orders (EG: filter by order date, by test name, by panel, by sample date, by urgency)
- List of analyzer results pending import by analyzer
- Tests which are waiting for a result for longer than X days

● Validation

- I want to see a listing on pending stat validations
- I want to see the number of pending validations by lab unit and test
- I want to see how many tests have been perform by parameters during a period
- I want to see how many tests have been performed by units during a period
- I want to see the current (or during a period) turn around time for Validation by test with specification at each level. Its common to take the median of days or hours
 - Result till validation
 - Sample till result
 - sample till validation
- I want to see a listing of samples pending validation with critical results
- I want to see a listing of samples with a non-conformity
- I want to be able to filter my views generating a list of matching lab orders (EG: filter by order date, by test name, by sample date, by panel, by urgency)

● Management

- I want to see total number of samples processed in a day
- I want to see number of orders input by user
- I want to see results input by user
- (Same as validation) I want to see the current (or during a period) turn around time for Validation by test with specification at each level. Its common to take the median of days or hours
 - Result till validation
 - Sample till result

- sample till validation