C4G BLIS

User Instruction Manual

Rev. 2.7

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What is BLIS?

The Basic Laboratory Information System, BLIS, is a freeware Web-based system that can be installed in a local, district, or national laboratory. It is a tool that can help to standardize data, which improves the ability to run useful reports and can both give a realistic picture of laboratory services and assist with staff and budget planning. With enough data, BLIS can be used to track disease prevalence over time.

Features of BLIS include:

- One-time entry of each unique patient
- Standardization of data collected (allowable entries for specimen type, test type, patient data, reagents are set at MOH level and then entered consistently throughout a country)
- Customization to a country's needs
- Ability to track lab supplies such as test kits, reagents
- Ability to run reports as specified by a country
- Automatic alerting of data values that may be out of range(reference ranges and panic values are set at the regional or national level)
- Daily logs to be reviewed for data verification
- Simple data backup

As with any properly implemented electronic record system, BLIS may be found over time to improve data accuracy and reduce costs in laboratories. Benefits already seen in labs using BLIS:

- Reduced burden for technicians, as results are available soon after testing
- Improved consistency of data entry
- Ability to view patient history and track samples
- Ability to aggregate data and analyze data patterns and trends at a regional or national level
- Printed patient records in place of handwritten records
- Printed daily logs that make the reports look like the paper forms used in the laboratory

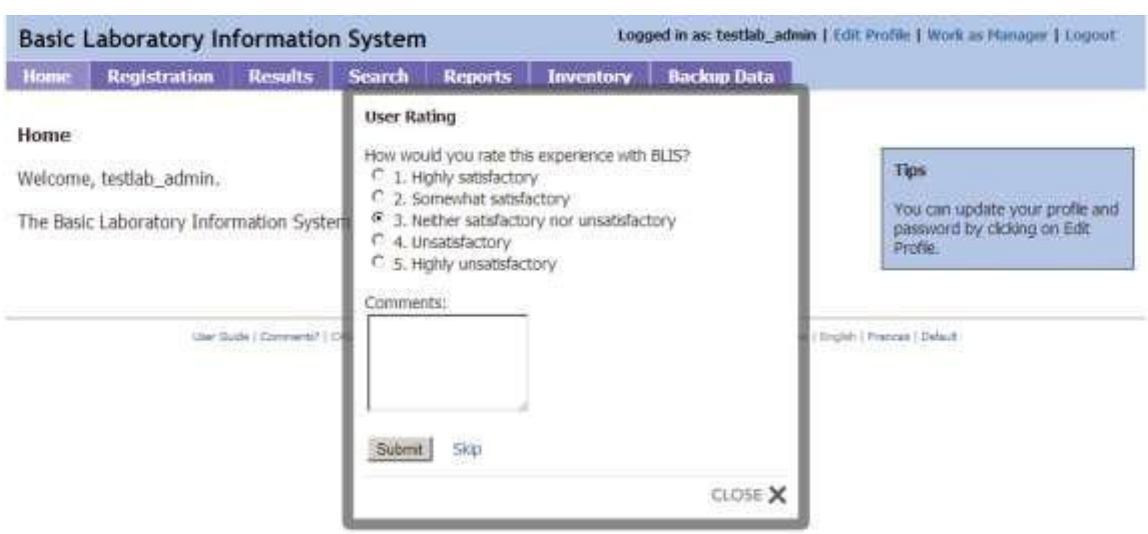
Starting BLIS

To start the BLIS server, you must double-click on the BLIS.exe file.

You will then see a page requesting login information. You must then enter your

credentials to proceed.

After your session is complete, click the **logout** button in the top right of the screen. This will pop up a window where you can rate your experience with C4G BLIS and write any comments you have. After entering your feedback press the **Submit** button to fully logout. Alternatively, you may press **Skip** to logout immediately without providing any feedback. If you do not wish to logout, press **CLOSE**.



Manager(Admin) Overview

The manager interface gives you the ability to add, edit, and delete users as well as change laboratory configuration settings. As a manager, you can also generate and print reports.

When you log in as an administrator, you see the Manager home page.

To switch to technician view, click the **Work as Technician** link at the top right of the page. To go back to the manager view, click the **Work as Manager** link that will be in the same place on the screen.

Lab Configuration

The lab configuration section allows you to change how reports are generated, what patient data is collected, as well as various other settings. These settings are usually set by the director at the country level, and can be imported/exported through the same page the settings are decided.
The various pages of this section are explained in the following pages:

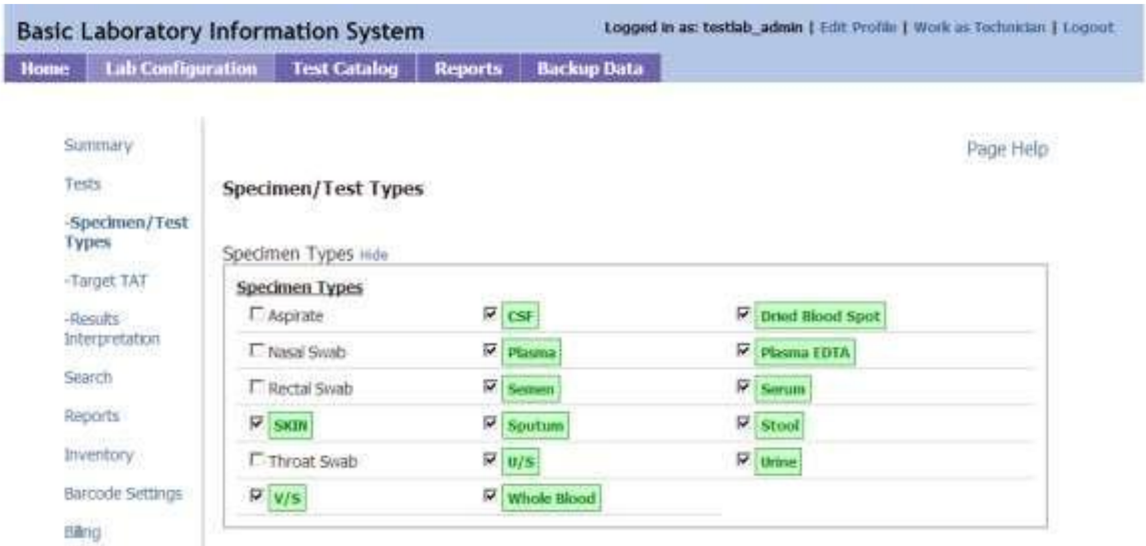
Summary

This page displays information about lab, specimen types, and test types. It also lists technicians' logins and privileges.

Tests

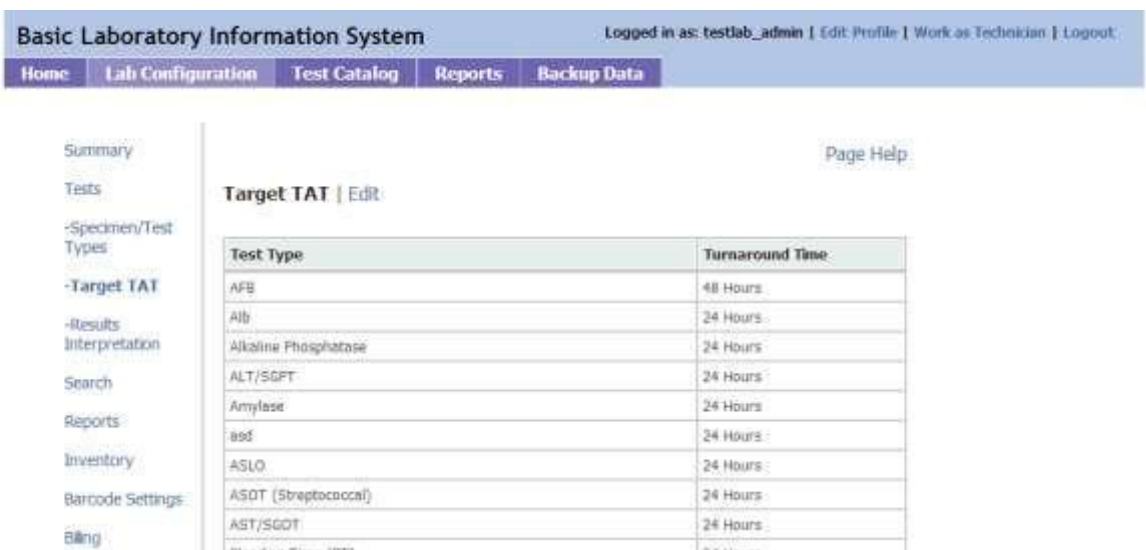
Specimen/Test Types

Allows you to set the specimen and test types as appropriate for your country. Click **Show** to reveal and **Hide** to close the list. Check the box for each specimen type collected or test done at this facility, and click **Submit** to save.



Target TAT

Displays turnaround times for tests. To enter or change turnaround time, click **Edit**. The number and unit (such as "24 hours") change to a text field and a drop-down list. Enter the desired number and choose **Hours** or **Days**. When finished, click the **Submit** button to save changes, or **Cancel** to discard changes. These options are below the list.



Results Interpretation

Allows you to specify the interpretation for multiple ranges of values for each test type. To view or edit an existing test's result, choose the test type from the drop-down list and click the **Search** button. The current interpretation appears. Edit using the text boxes.

To add a new range to the list, click the **Add Another** link and enter data in the text boxes. Click the **Submit** button to save changes, **Cancel** to discard them.

Search

This section allows you to configure what results are displayed for each patient when a search is executed. It also allows you to change how many results are displayed on each page.

Reports

Infection Report

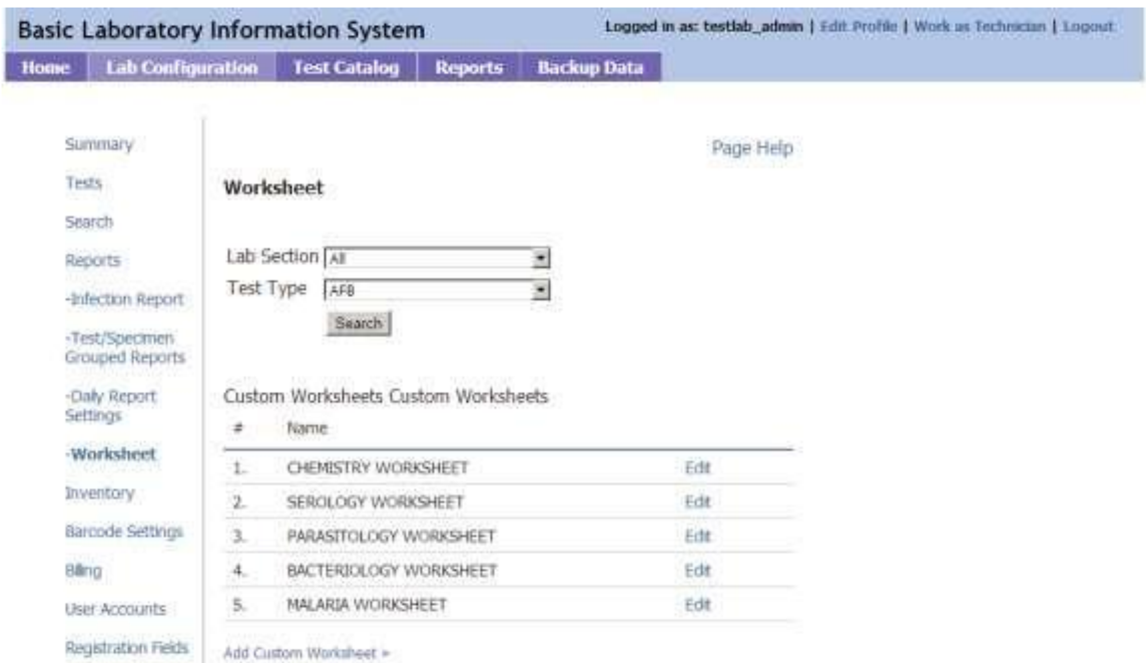
Generates an aggregate report of laboratory test results for a particular period for one or all lab sections. The tests listed in the report are the ones checked to include on the Specimen/Test Types page. Click **Edit** to make changes to the details reported. When finished, click **Submit** button to save changes, **Preview** to view the report, **Cancel** to discard changes.

Daily Report Settings

Allows you to set the layout of the Patient Report, Daily Log of Specimens, and Daily Log of Patients. Use the drop-down to select the report type, and click **Search**. Edit report settings, and add or change a logo to appear on the report. Check or un-check boxes to show or hide patient, specimen, and test information. When finished, click the **Submit** button to save changes, or **Cancel** to discard changes. These options are below the list.

Worksheet

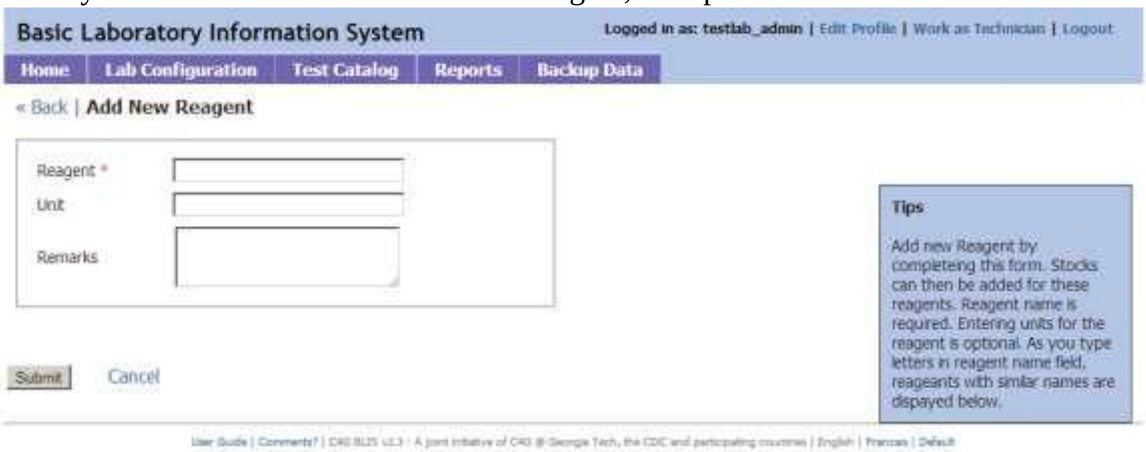
Allows you to create templates for gather patient data in the lab. In lab settings where data are not entered at the point of service, the data entry staff enter patient information and the tests ordered, then print the worksheet so that lab technicians can write test results and other data to be entered into BLIS. Select the **Lab Section** and **Test Type** and click **Search** to edit the report format. To edit a custom report, click **Edit** to the right of the report. To create a new custom worksheet, click the **Add Custom Worksheet** link at the bottom of the list.



Inventory

The main page is a list of any existing reagents being tracked in BLIS. To add another, click the **Add Reagent** link above the list.

To add a reagent, input the name, unit of measurement associated with the reagent, and any miscellaneous remarks about the reagent, then press **Submit**.

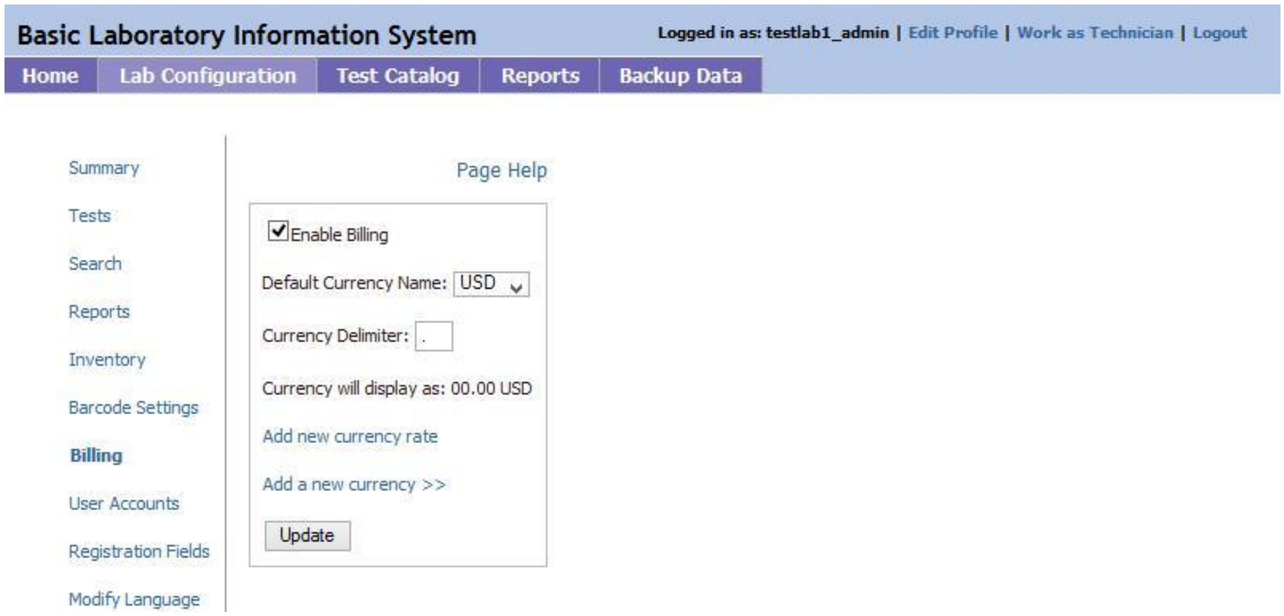


Billing

This page gives you options to enable/disable billing overall, as well as change options for how currency is represented in the various parts of the website. After making your changes, click **Update** to save your changes.

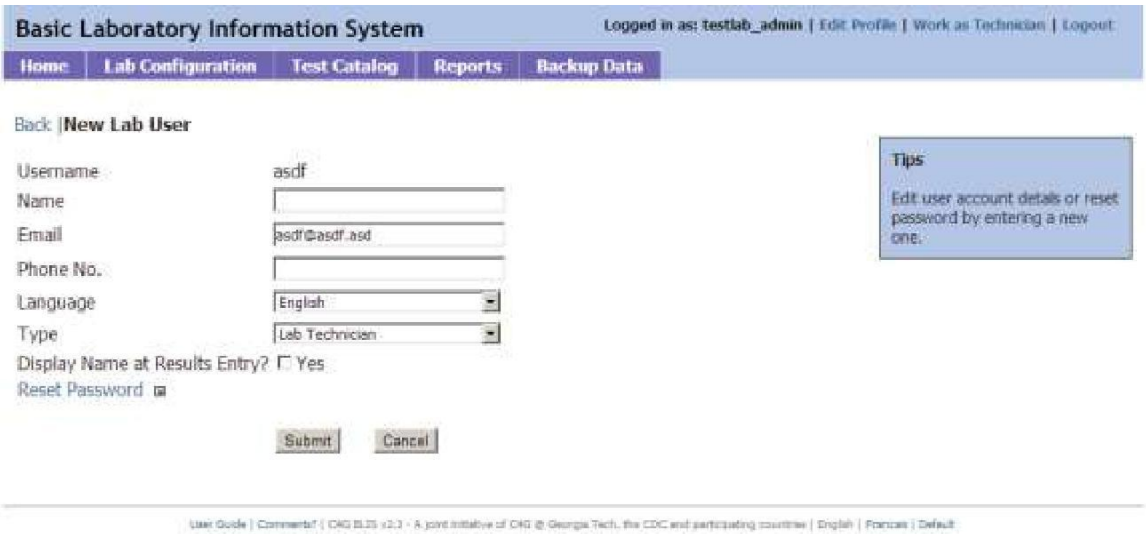
To add a new currency into the billing system, click the **Add a new currency** link, enter a new value and click **Add Currency Type.**

To add a new exchange rate between a default currency and a secondary currency, click the **Add new currency rate**, then choose a secondary currency(if any) from the drop down, enter a conversion rate and click **Add**.



User Accounts

This page shows all the users with access to the system. It allows you to create new user accounts, edit account settings, delete accounts, and monitor account activity. Click **Add New Account** to enter a new user.



Recent Activity opens a new browser page to show the user's activity by location, specimen entry, and results. To view activity by date, enter or edit the start and end dates of the range you wish to see and click **View**. When you are finished, click **Print** or **Close This Page**.

Click **Edit** for a user to edit user account details or to reset password. **User Type** dictates the access the user has in the system. **Reset Password** allows you as administrator to enter a new password for this user. Click **Submit** button to save changes, **Cancel** to discard.

To remove a user account, click the **Delete** link for that user. A confirmation box appears. Click **OK** to complete the deletion, **Cancel** to keep that user's information.

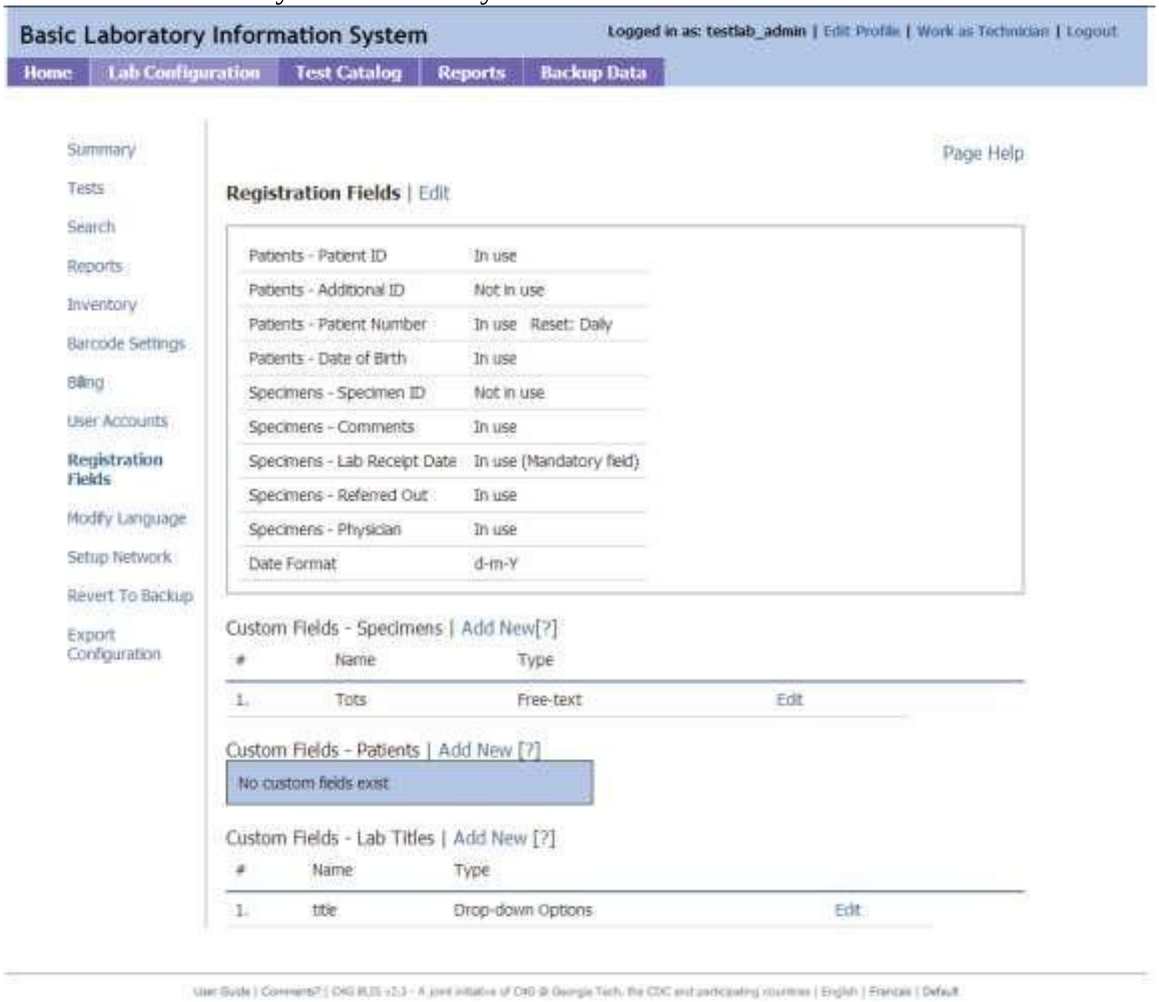
Registration Fields

This page shows the configuration of the patient registration page. It allows you to create mandatory fields and hide the fields that are not used, per your country's protocols. It also allows for creation of certain custom fields for Patient registration and new Specimen addition which may be needed by certain labs only.

To customize fields, click **Edit** to make changes: check the box to display a field, un-check to hide. Set fields as required. After editing, click **Update** button below the fields to save changes, **Cancel** to discard.

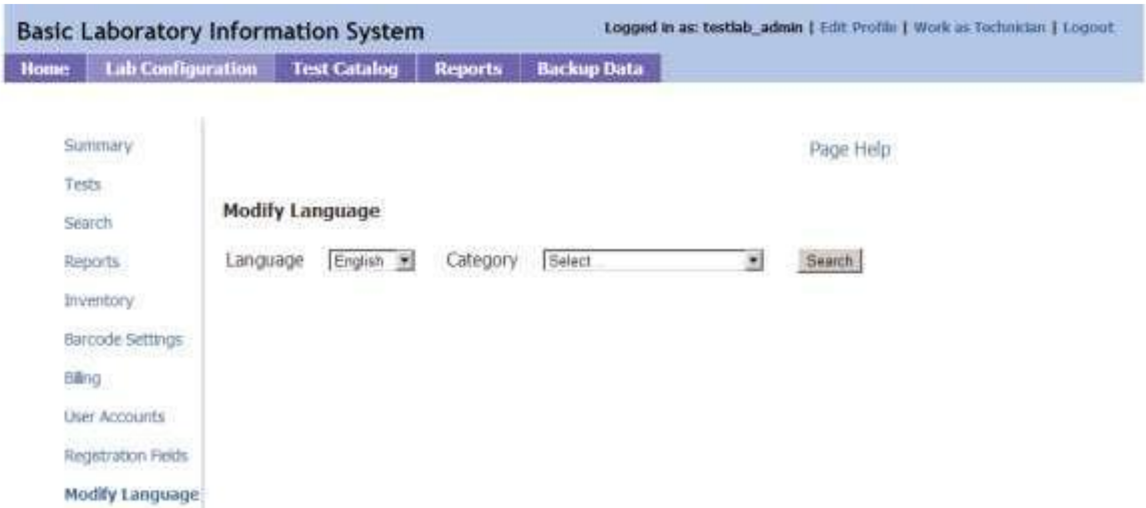
To create new fields, choose the **Add New** link for which to add, and enter field name and type. Click **Submit** button to save changes, **Cancel** to discard.

Also now the admin user can customize the order of the registration fields for Patient and Specimen Registration forms.



Modify Language

BLIS allows you to toggle between languages. You can also choose to change the language for a few pages using this option. The pages are listed as a drop-down menu. Select the language and category (type of page or section). Select **Search** button to view or edit the text. When finished, click **Submit** button to save changes, **Cancel** to discard.



Setup Network

Use this procedure to add a computer other than the primary one to the network. You will also do this after a computer restart or network failure.

- Login as Admin.
- Click on the **Setup Network** option in the Lab Configuration tab.
- Navigate to the program files for BLIS.
- Double click on the file **BlisSetup.html**

Export Configuration

Use this feature to export all configuration settings to Microsoft Word. Clicking this link opens a new browser tab with a preview showing all preset and custom fields as well as report settings. The preview has three buttons at the top: Print, Export as Word document, and Close.

Click the **Print** button to open the print dialog box; **Export as Word document** to create a file named **blisreport_[date of report].doc**, which you may open or save, or **Close** to close this browser tab.

Revert to Backup

In case of system failure, this feature allows you to revert to a previously backed-up copy of the data. Clicking the link presents the dates of the previous backups and allows you to choose which data set to load.

Update to New Version

This link automatically updates your version of BLIS to the current one. It requires Internet connectivity.

Test Catalog

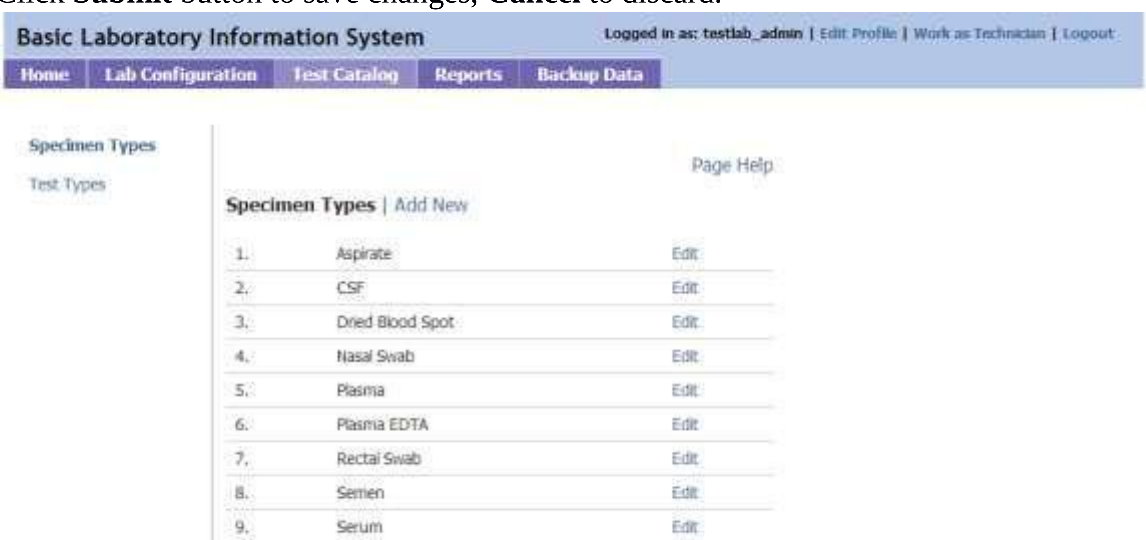
Specimen Type

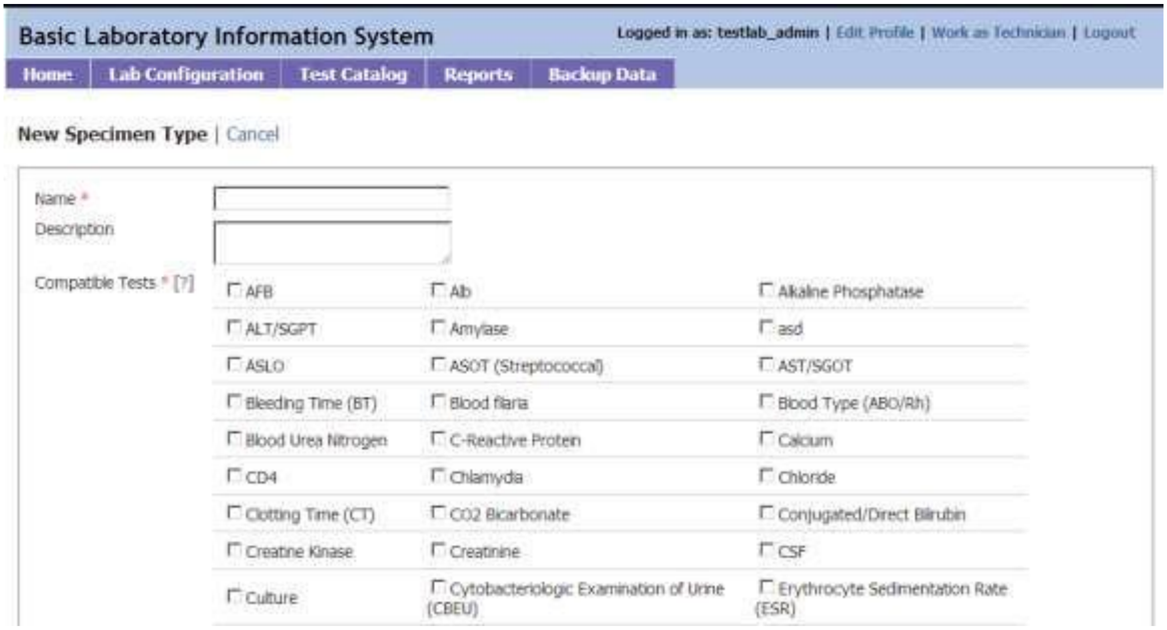
This is the place to add or edit specimen types used in your laboratory.

Click **Add New** to enter a new specimen type. Required fields are **Name**, which is a text box for entering the name of the specimen, and **Compatible Tests**, which allows you to check the tests that can be performed using that specimen. **Ctrl-F** opens the Find function to search for a test. You may enter a **Description** of the specimen type, which is optional.

To edit the information about a specimen type, find the one you wish to edit on the list and then click the **Edit** link in the far-right column.

Click **Submit** button to save changes, **Cancel** to discard.




Basic Laboratory Information System
Logged in as: testlab_admin | Edit Profile | Work as Technician | Logout
Home
Lab Configuration
Test Catalog
Reports
Backup Data
New Specimen Type | Cancel
Name *
Description
Compatible Tests * [?]
AFB
Alb
Alkaline Phosphatase
ALT/SGPT
Amylase
asd
ASLO
ASOT (Streptococcal)
AST/SGOT
Bleeding Time (BT)
Blood filaria
Blood Type (ABO/Rh)
Blood Urea Nitrogen
C-Reactive Protein
Calcium
CD4
Chlamydia
Chloride
Clotting Time (CT)
CO2 Bicarbonate
Conjugated/Direct Bilirubin
Creatine Kinase
Creatinine
CSF
Culture
Cytobacteriologic Examination of Urine (CBEU)
Erythrocyte Sedimentation Rate (ESR)

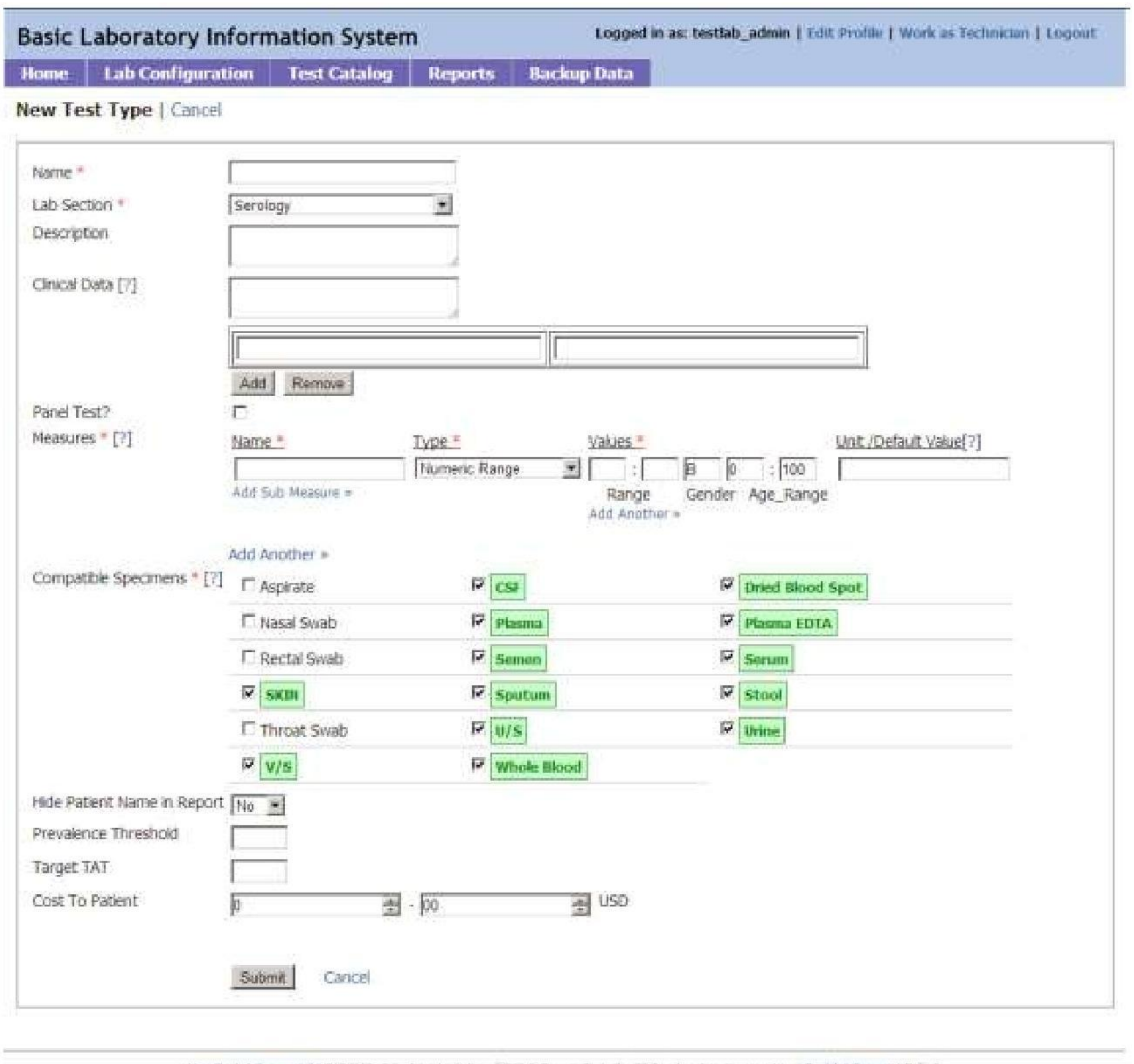
Test Type

This is the place to add or edit test types used in your laboratory. It is controlled the same was as Specimen Types.

Click **Add New** to enter a new test type. Required fields are **Name**, which is a text box; **Lab Section,** a drop-down list that includes an option to add a new section; **Measures,** which are editable; and **Compatible Specimens**, which allows you to check one or more specimens that can be used for this test.

Optional fields include **Description** (text box), **Clinical Data, Panel Test** (a check-box, checked for Yes), **Hide Patient's Name drop-down** Yes/No), **Prevalence Threshold**
(text box), **and Target TAT** (text box).

To edit the information about a test type, find the one you wish to edit on the list and then click the **Edit** link in the far-right column.
Click **Submit** button to save changes, **Cancel** to discard.



Backup Data

The application creates a backup automatically when you select the **Backup Data** tab and saves it to the application file folder. Your lab may have a designated folder to which to copy the backup files.

Back up the data in BLIS weekly.

The name of the backup file is **blis_backup_[username]_[date]-[time]/**

Technician Overview

Home

When you log in as a technician, you see this home page:

Users with Admin rights can click the **Work as Manager** link in the top right corner to switch to Admin view.

Users with Technician rights and not Manager rights see the profile page. You can edit your profile to add or change email, phone, and language. Username cannot be changed.

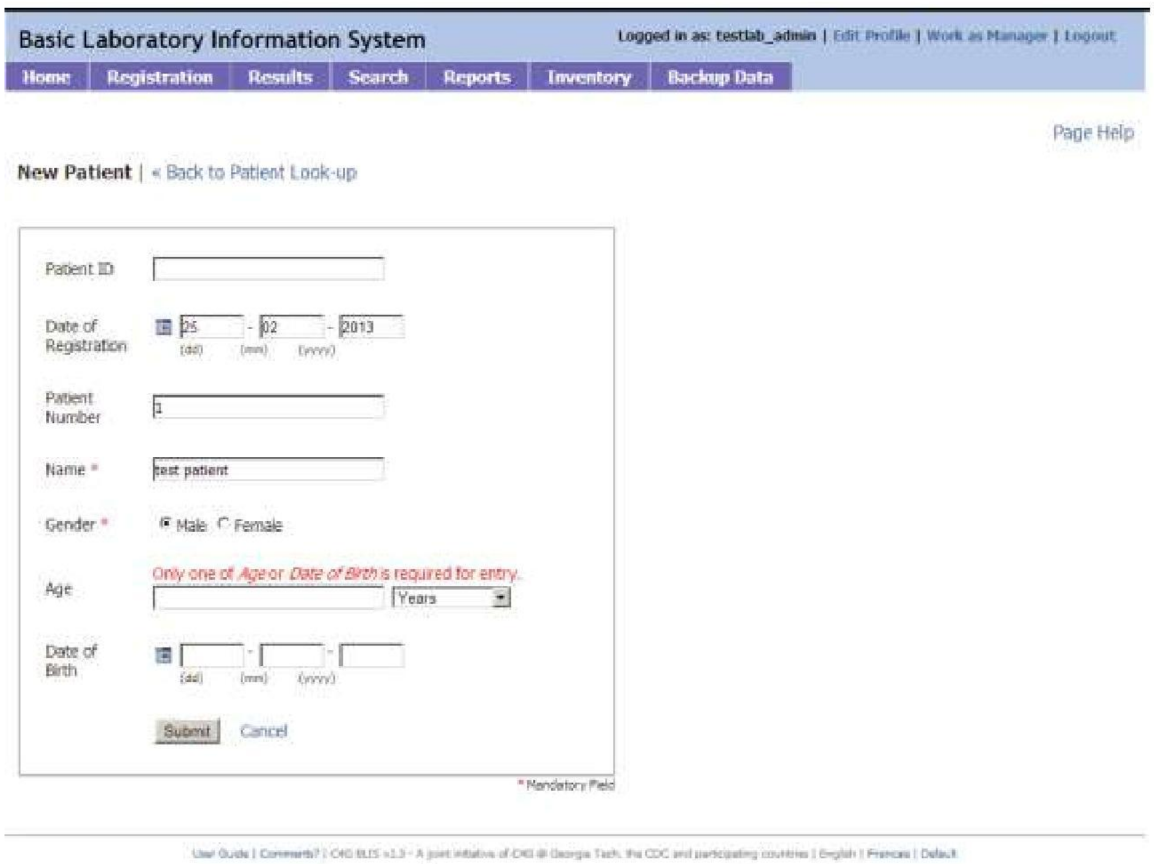
Click on the Change Password link to change your password.

Registration

This page allows you to add new patients to the system and to look up existing patients based on name, patient ID, or number.

To add a new patient: Click the **Search** button without entering any search criteria. The **Add New Patient** link appears. Also, if no results are found for the patient you are searching for, you will be given the option to create a new patient, and the name you searched will automatically be filled into the new patient form. Click the link and wait for a dialog box to appear on your screen. Fill in the blank fields and check the appropriate elements. Elements with asterisks * are mandatory. Click on S**ubmit** to save, or **Cancel** to discard changes and return to patient look-up page.

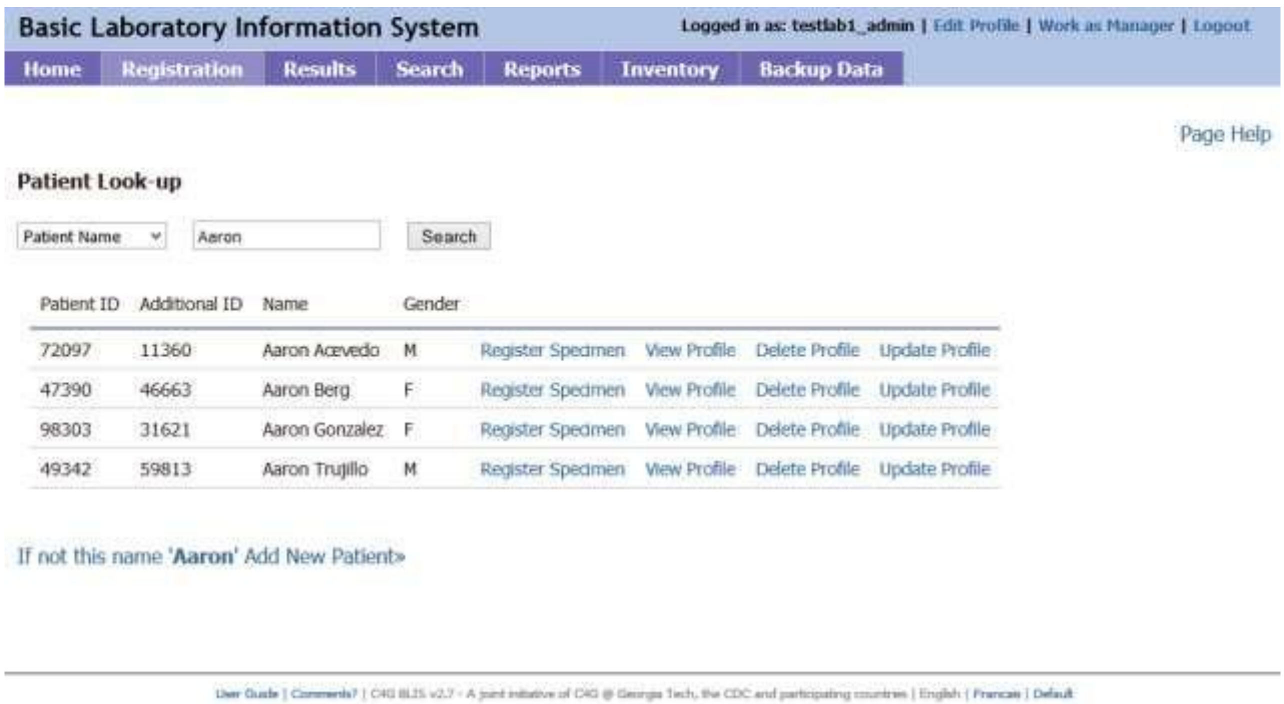

Basic Laboratory Information System
Logged in as: testlab_admin | Edit Profile | Work as Manager | Logout
Home
Registration
Results
Search
Reports
Inventory
Backup Data
Page Help
Patient Look-up
Patient Name
test patient
Search
No match found - Name test patient
If not this name 'test patient' Add New Patient»


Basic Laboratory Information System
Logged in as: testlab_admin | Edit Profile | Work as Manager | Logout
Home
Registration
Results
Search
Reports
Inventory
Backup Data
Page Help
New Patient | « Back to Patient Look-up
Patient ID
Date of Registration
25 - 02 - 2013
(dd) (mm) (yyyy)
Patient Number
1
Name *
test patient
Gender *
Male Female
Only one of Age or Date of Birth is required for entry.
Age
Years
Date of Birth
(dd) (mm) (yyyy)
Submit
Cancel
* Mandatory Field

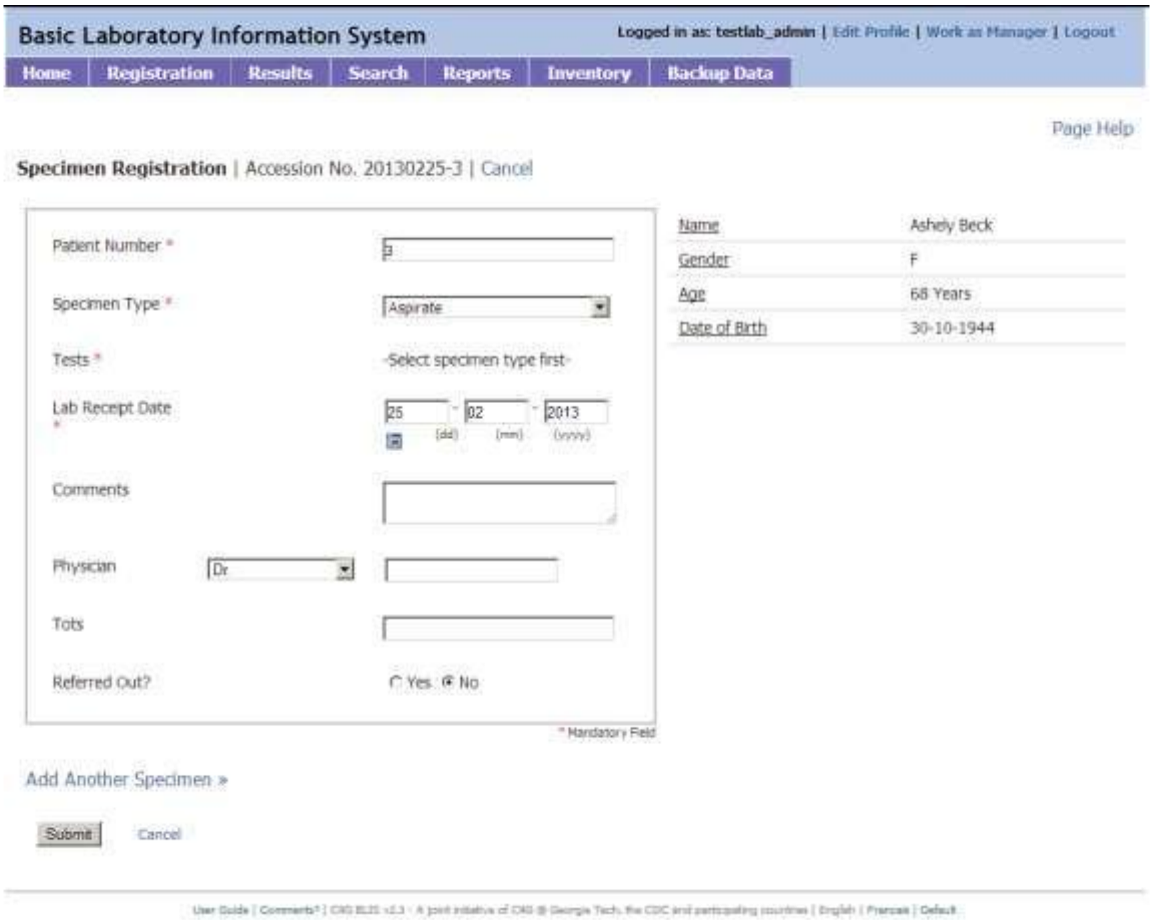
Patient Look-Up

Once a patient has been registered, you can use the Registration page to view or edit patient profiles. You can also register a specimen the patient has provided for a particular test.

Click on the drop-down list and select patient name, ID, or number. Type in the blank space the patient name, ID, or number you have selected. Enter all the information you have for that patient.



To add or edit a specimen record: Find the patient as above, then click the **Register Specimen** link to the right of the patient name. Fill in the blank fields and check the appropriate elements. Elements with asterisks * are mandatory. Click on S**ubmit** to save, or **Cancel** to discard changes and return to patient look-up page. **Add Another Specimen** allows you to add another one for this patient.



Results

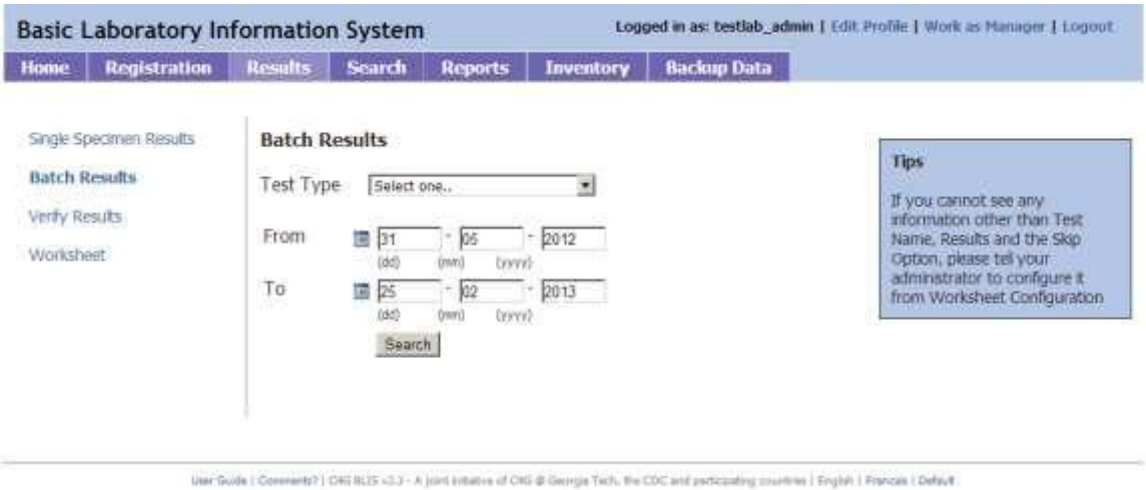
Single Specimen Results

This option allows you to add results for a patient based on the specimens provided and Lab sections to which the specimen tests are registered. Click on the drop-down list and select patient name, ID, or number. Type in the field at least 2 characters to search.

To add or edit a specimen record: Find the patient as above and then click the **Enter Results** link to the right of the patient name. Fill in the blank fields and check the appropriate elements. Click on S**ubmit** to save, or **Cancel** to discard changes.

Batch Results

This option allows you to add results for a particular Test Type.



Select a test for which to find results. Set a date range, then click **Search**. The results appear without patient names . Click on S**ubmit** to save, or **Cancel** to discard changes.

Verify Results

This option allows you to verify the result based on the test type. It shows the list of results for all patients whose results have not been verified. You can modify the results and enter remarks before verifying the results.

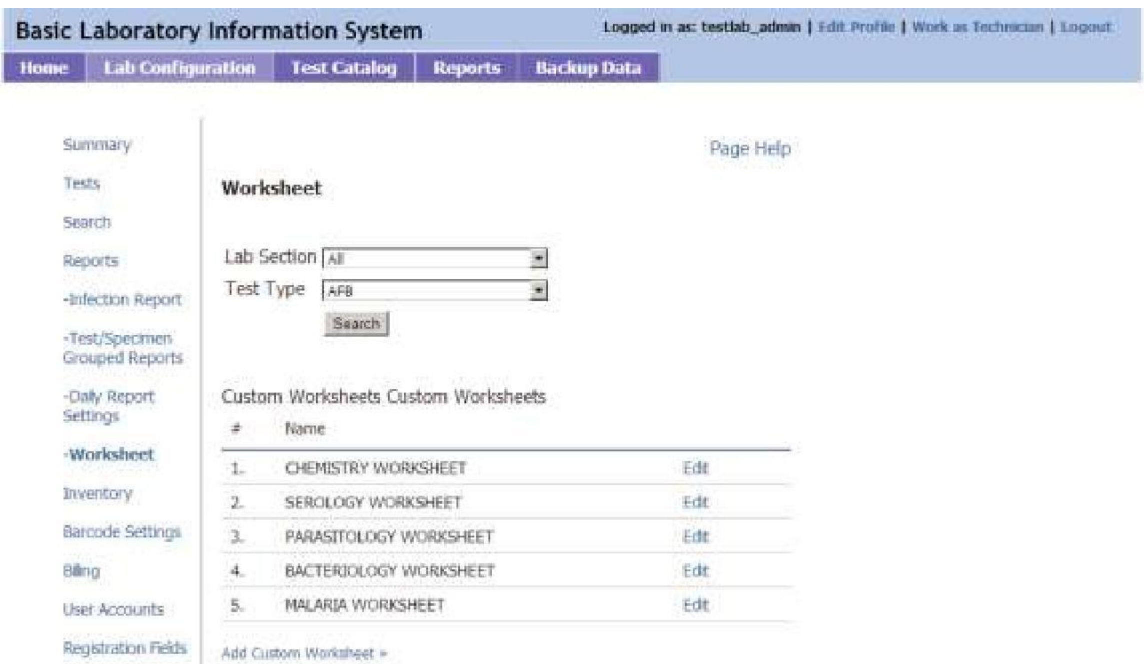
Select a **Test Type** and click **Search**. All test results for that test appear. Look over the test results for accuracy. Edit the results as appropriate. When you are finished, click on

Verify, or **Cancel** to discard changes. Choosing Verify opens a confirmation dialog box. Click **OK** to mark results as verified, **Cancel** to discard changes.

Worksheet

This option generates a worksheet based on the Lab Section and Test Type. In lab settings where data are not entered at the point of service, the data entry staff enter patient information and the tests ordered, then print the worksheet so that lab technicians can write test results and other data to be entered into BLIS. Custom worksheet which can be created by Admins using Lab Configuration > Tests > Reports > Worksheet.

You can create a blank worksheet by choosing the **Keep Blank** option and specifying the number of rows you need. Click **Submit** to create the worksheet.



After generating the worksheet, you can click on a column heading to sort the table by that field. You can then **Print** in portrait (default) or landscape view, **Export as a Word Document,** or **Close** the page. If you choose **Export,** the default option is to open the Word document. You can choose to print or save it from Word.

Search

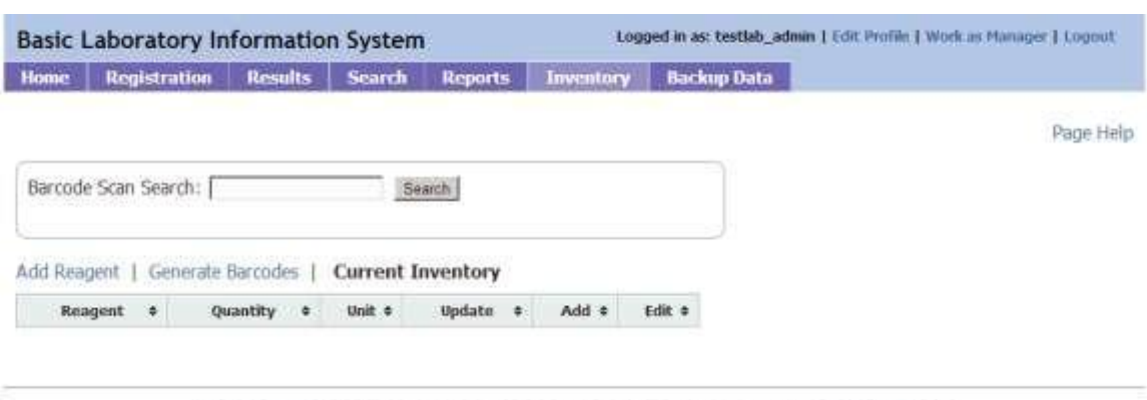
This page allows you to search for a patient by name, number, or ID. You can enter a partial name or ID (at least 2 characters) to generates a list of matches.

Click **View Profile** to view the patient's profile and test history.

From the test history section, click **Details** for specimen information. From there you can choose **Get Report** for a specimen report; **Track Actions** to view a log of actions on that specimen, or **Enter Results** to enter the specimen analysis results. You can also generate a report from the test history section on the profile page by clicking the **Report** link.

From the profile page you can also **Register New Specimen, Update Profile,** or **Print Patient Report.**

Inventory



Current Inventory

This link displays the reagent quantities currently in stock. It is not editable. To edit the list, click **Add Reagent.**

Add Reagent

Click **Add Reagent** to add a new reagent to the list. Update your stock as you acquire new reagents by adding the reagent name, quantity received, receiver name, and remarks. Click **Submit** to save changes.

Generate Barcodes

Clicking this link will bring you to a page where you can generate barcodes. To do so, enter your text into the field on the page, and press **Generate**. After generating your barcodes, you can print them by pressing the **Print** button.

Backup Data

When you click, a new page opens in your browser while data are backed up automatically. The file is saved as **blis_backup_[username]_[date]-[time]** in the BLIS directory.

Copy this folder to your hard disk as backup or save as otherwise directed by your country's data backup protocol.

Import Lab Data

This facility is available to the country director under the Lab Configuration tab. This allows the user to import other labs data to be able to access their data via BLIS and view aggregate reports for them. In order to import individual labs' data, the user will need database backup for those labs which can be prepared by their lab admins by using the BLIS's Data backup features. The user has this file, the user can import the file by selecting the blis_[lab id]_backup.sql file (from the backup folder) using the browse button and click import to import data.The system will verify the file for you and display the details of the file along with the timestamp when you last imported data for the particular lab.

Reports

Any user (Technician or Manager) can generate reports.

Daily Reports

The Patient Report and Daily Log should be run every day.

Patient Report

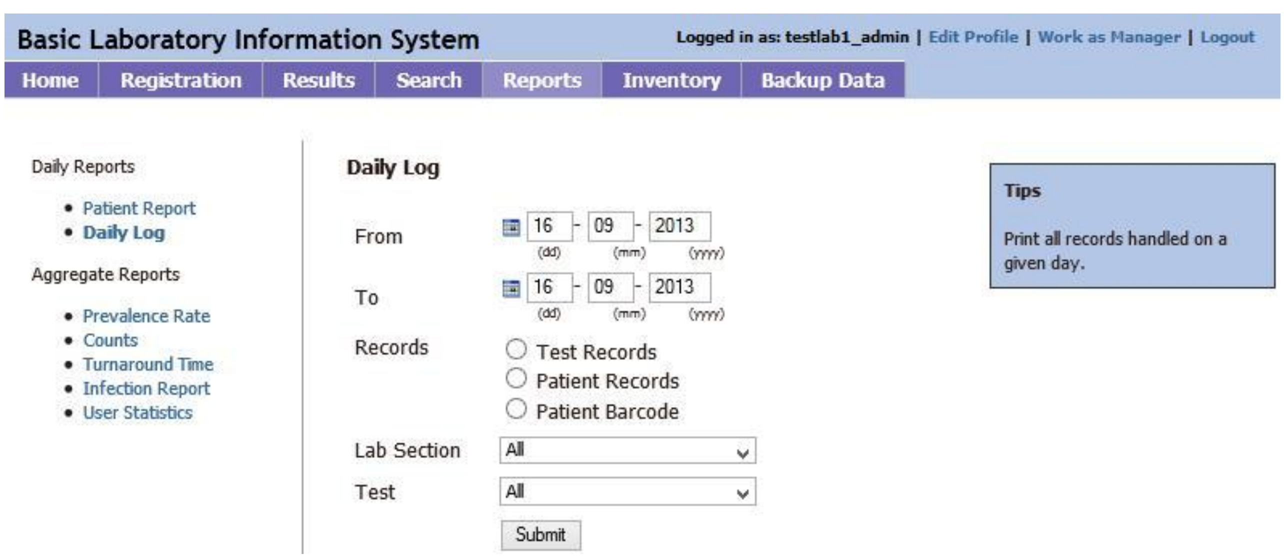
Search for the patient by Patient Name, Patient Number, or Patient ID and Lab Section to which the patients' specimen are registered against. Click the **Search** button to start search. Select the patient you want from the list if more than one patient matches your search criteria. Click **View Report** to see all data for that patient, or **Select Tests** to see tests ordered and the results for that patient.

You can edit the report to show activity within a date range, include pending tests for which results are not available, set printing information, or export to Word using the controls at the top of the page.

Daily Log

Set the date range to reflect the log to print. You can run a report of the day's activity by patients seen (by clicking **Patient Records**), or by tests run (by clicking **Test Records**). If you choose Test Records, You can choose to run a log for one lab section or for one type of test. The default settings are test records, all sections, and all tests. The report opens in a new browser tab and has **Print** and **Export** controls at the top of the page.

Also patient barcodes for each patient with the number of specimens they have handed over can also be printed over a given a range of time by selecting the **Patient Barcode** option



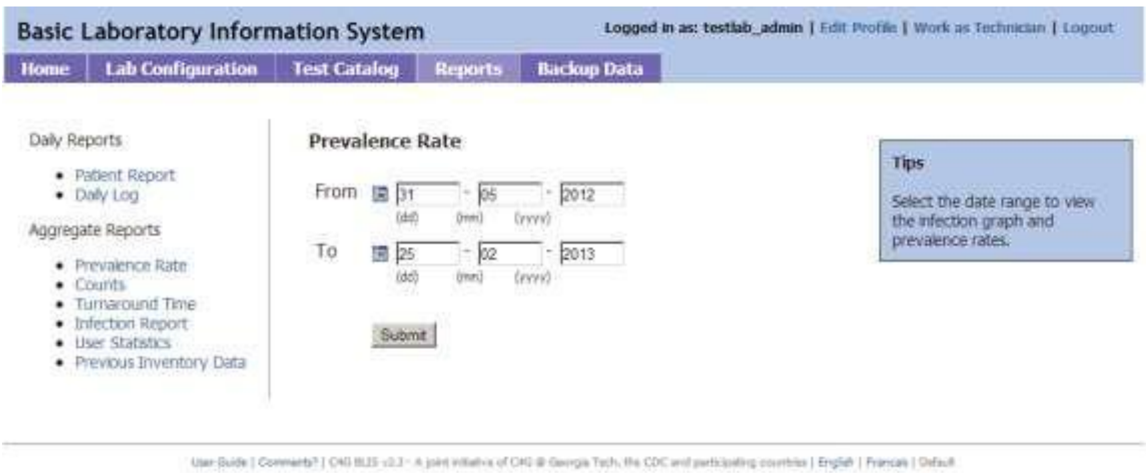
Aggregate Reports

After running an aggregate report, press **Ctrl-S** to open the Save As dialog box. The default location for saving reports is your Downloads folder on the C: drive. Navigate to the folder where you want to save the reports.

Prevalence Rate

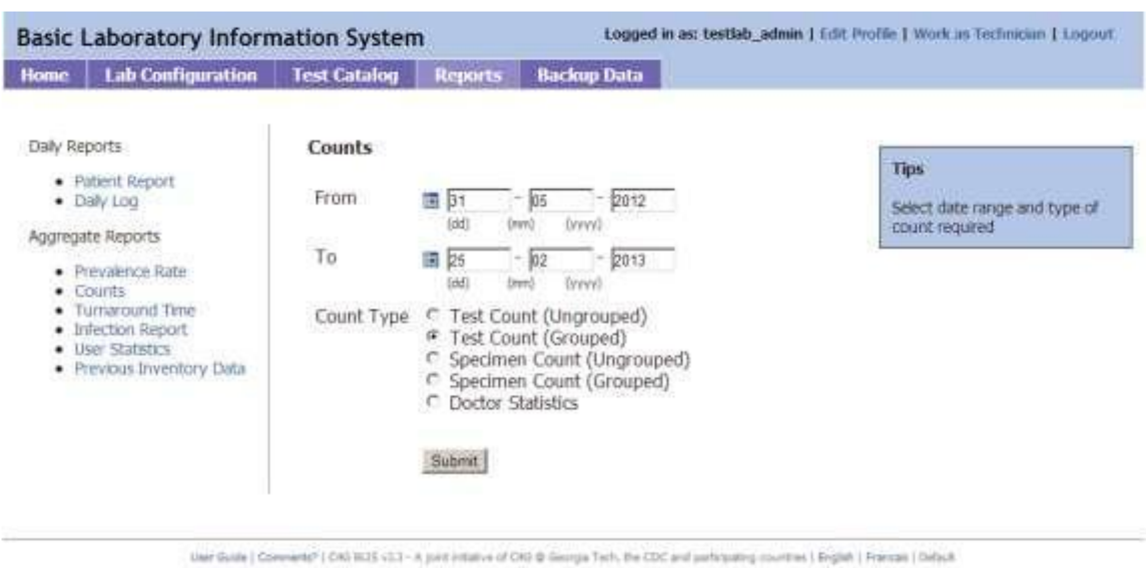
Gives the prevalence of a particular laboratory test result based on the number of tests done and the results. Set a date range to view infection graph and prevalence rates. Click **Submit** to run the report, which will open in a new browser tab.

You can also view the trends of the laboratory test results for the defined period, as a graph, by clicking the Trends option after the report is displayed.



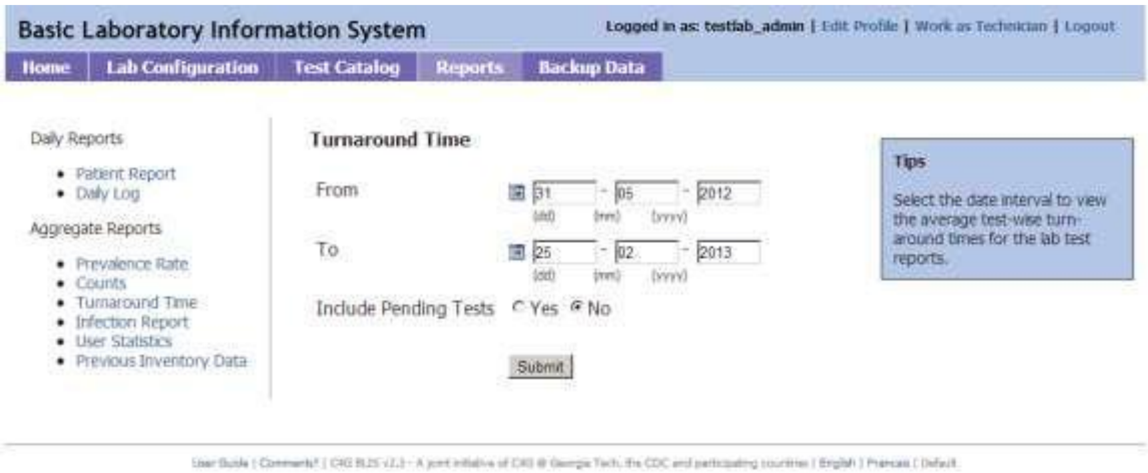
Counts

Generates a report for a particular time period of the number of tests, specimens, or doctor statistics. Set a date range and choose **Test Count, Specimen Count, or Doctor Statistics** to run the desired report. The report opens in a new browser tab.



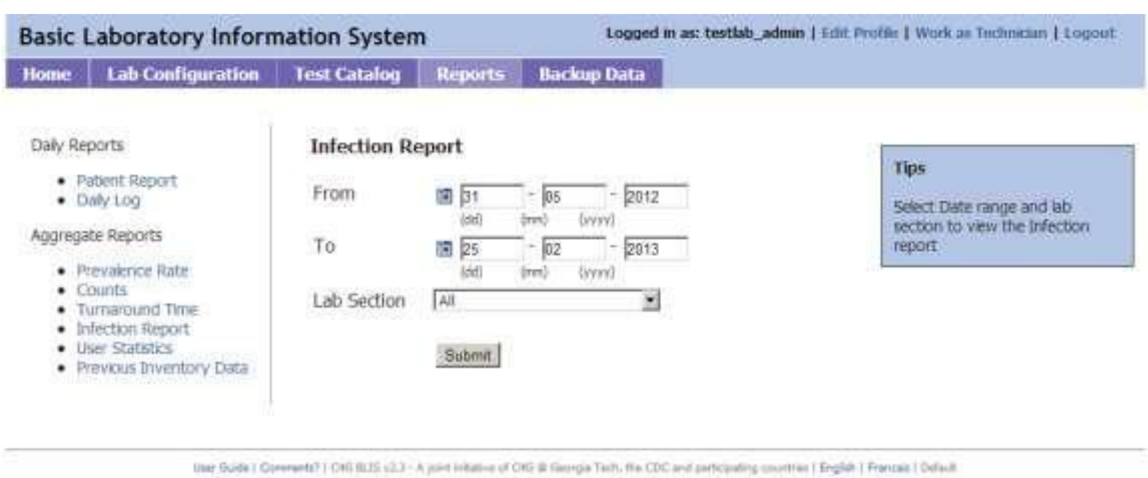
Turnaround Time

Allows you to see actual turnaround times between test order and completion for all or specific tests. Set a date range and choose whether to include **Impending Tests**. The default is completed tests only. The report opens in a new browser tab. It also generates a graph of the statistics.



Infection Report

Allows you to generate reports of infections by patient age and gender. Set a date range and select one **Lab Section,** or all sections to see all test results. The report opens in a new browser tab. It also provides an option to create a Word document of the generated report.



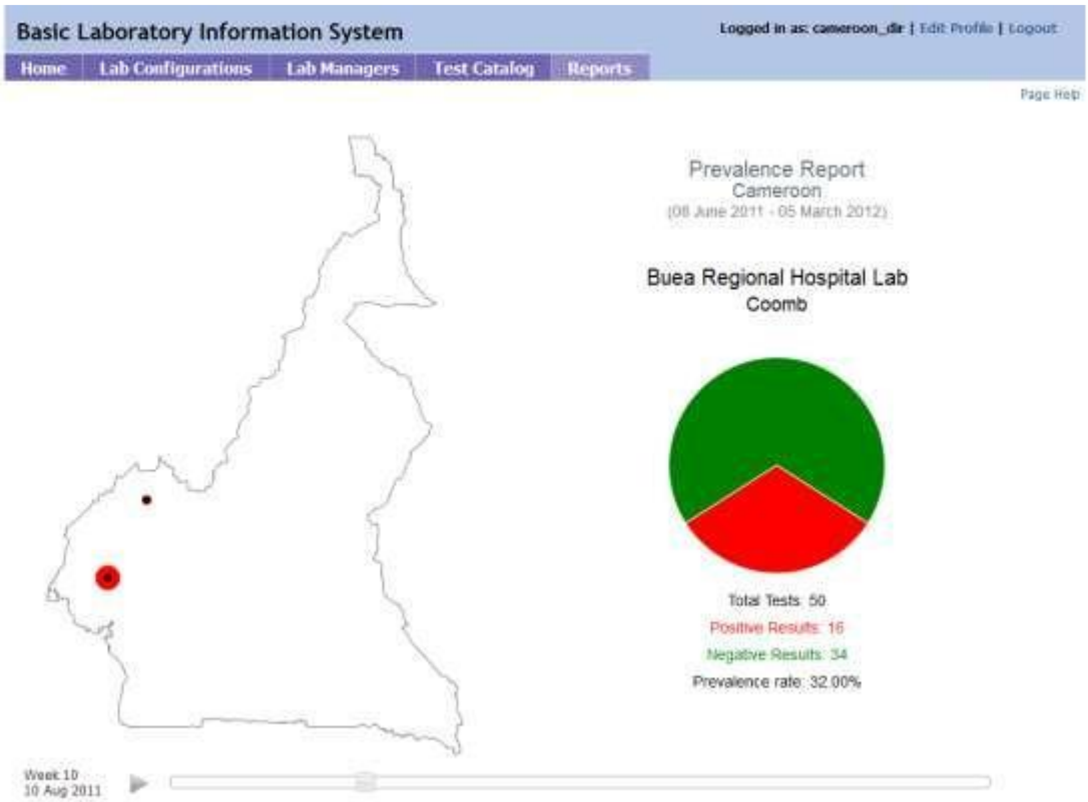
Reports f or Country Director

The country director has the ability to import individual labs' data and use that data to generate two types of location-based reports to view the trend in prevalence rate and turnaround time across different labs in the country.

Prevalence Rate Trend (Country Director only)

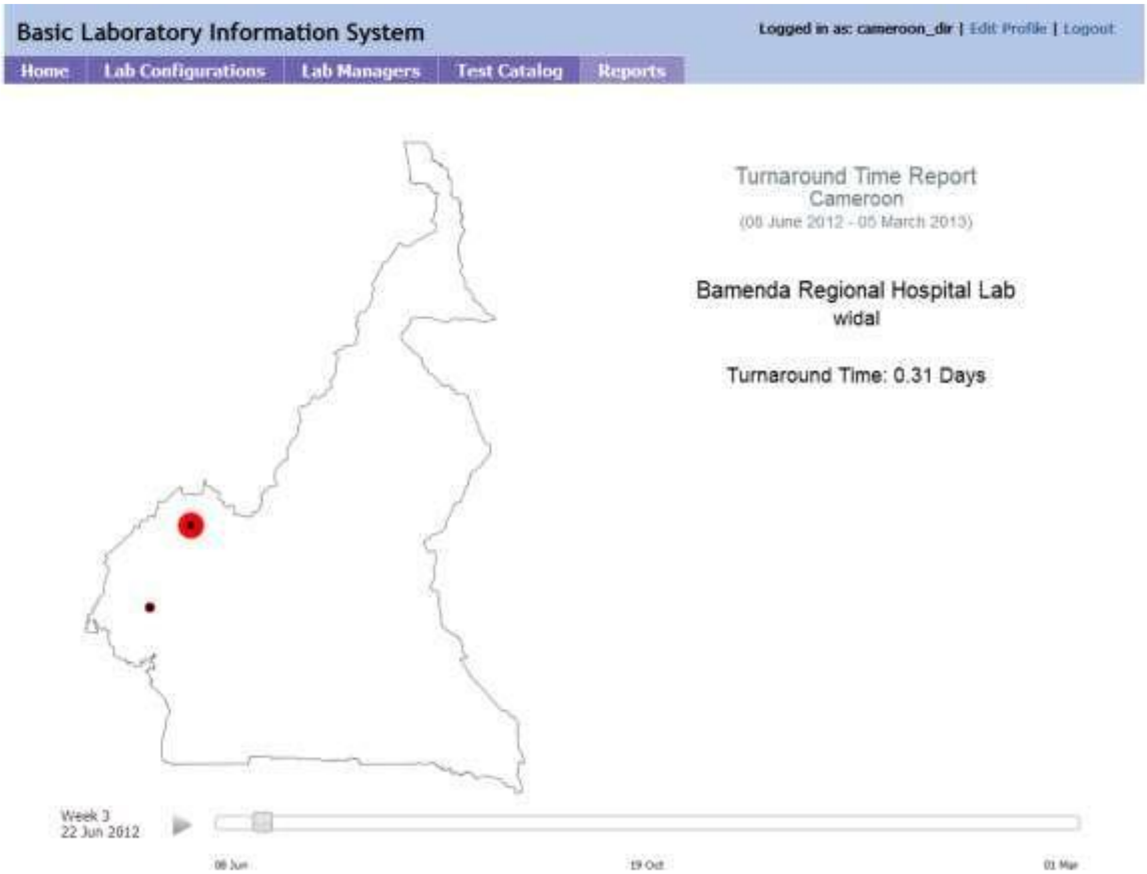
This report is available to country directors to allow them to view the trend of prevalence rate for various infections across the different labs in the country. Labs are displayed on the country map marked by black dots. These locations can be edited from Location

Settings in the Reports section. The red circle surrounding the labs show the extent of prevalence of infection in those locations. The radius of the circle is proportional to the prevalence rate. Hovering your mouse pointer over these locations will display the prevalence stats next to the map. You can view the trend of prevalence rate over time (weekly) by pressing the play button. You can manually slide the bar at the bottom to view prevalence stats for specific weeks.



Turnaround Time Trend (Country Director only)

This report is available to country directors to allow them to view the trend of turnaround time for various tests conducted across the different labs in the country. Labs are displayed on the country map marked by black dots. These locations can be edited from Location Settings in the Reports section. The red circle surrounding the labs show the extent of turnaround time in those locations. The radius of the circle is proportional to the turnaround time. Hovering your mouse pointer over these locations will display the turnaround time next to the map. You can view the trend of turnaround time over time (weekly) by pressing the play button. You can manually slide the bar at the bottom to view turnaround time for specific weeks.



Physician Overview

Creation of physician user:

1. Login to the application as a **administrator** with a sample user (username: testlab1_admin, password:admin123)

2. Click on **Lab configuration** tab on the home page.

3. Once the page gets fully loaded, click on **User accounts** from the list of configuration links on the left hand side.

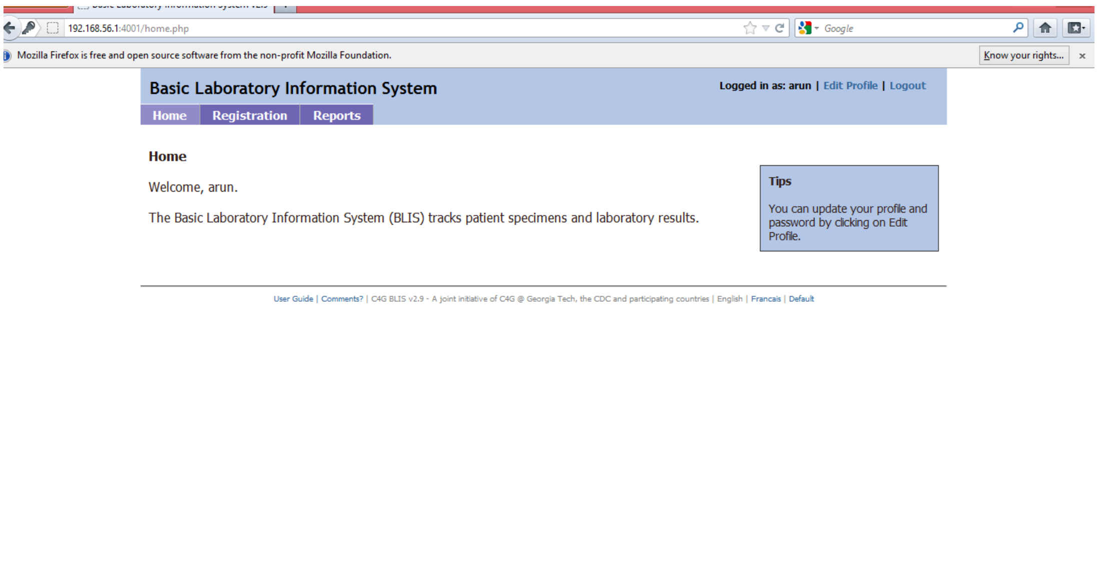
4. Once user account page gets loaded, click on "**Add New Account**" button

5. Once the pop up gets loaded, choose username, password and **choose doctor from type dropdown**, by default Patient registration and write options will be chosen for write options and this two will suffice for doctor user. Once you have given mandatory fields click add.

6. Now the user gets added into the system.

Patient Registration:

1. Log in to the application as the new doctor user created. The landing page looks as follows



2. Click on **Registration** tab from home page.

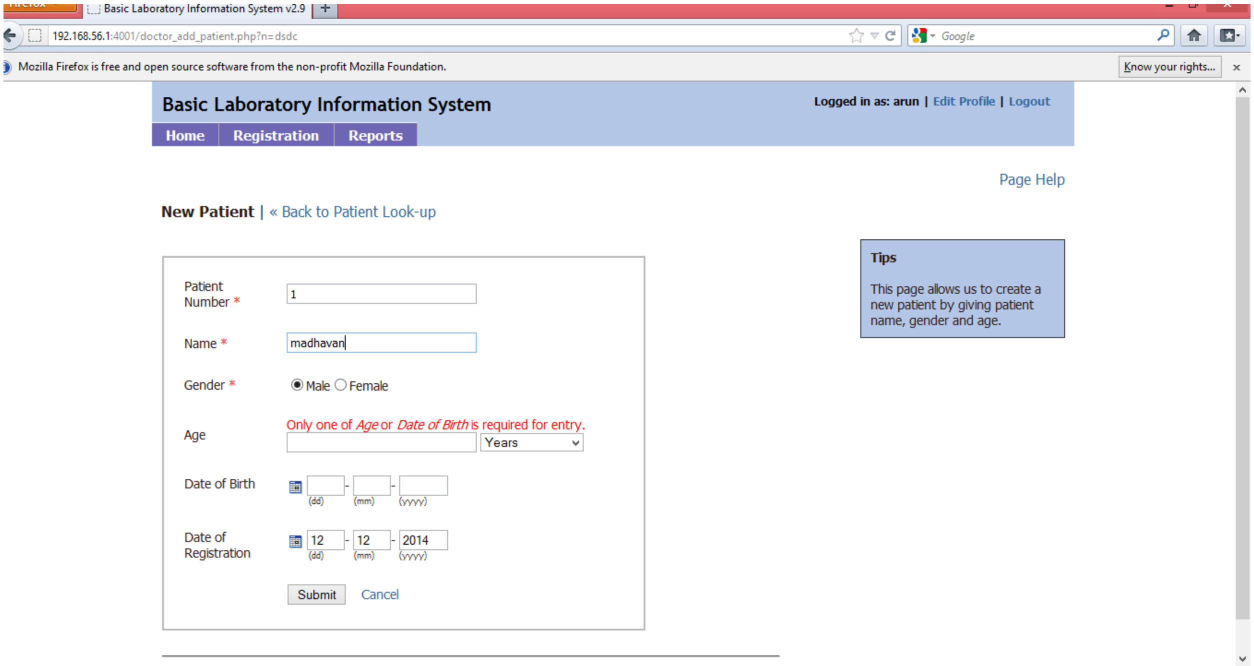
3. In the patient - lookup, search for patient name you would wish to add or check for if the particular patient is already added to the application.

4. If the **patient name** is already present in the application, it would be listed in search results. if you find the patient, you can add specimens directly by clicking **Register specimen** option from the result.

5. If you don't find the patient in the search results, click **Add new patient** link in the bottom.

6. When you click add new patient, it leads to the **registration** page of the patient.

7. In the **registration page**, the name you searched for before will be displayed in name, Patient number will be pre populated, just fill up other mandatory fields like age, sex and click **Submit** which leads to new specimen add page. The UI looks as follows



8. In the **specimen registration** page, choose the specimen type from the dropdown and corresponding tests and click enter (some of the specimens types don't have corresponding tests in test data, for testing you can choose serum from specimen type dropdown which has 4 tests).

9. Once the doctor adds a patient and tests to perform, it leads to **preview page** where doctor can preview all the details entered and also choose to **Print** the details and give them to patient.

Technician Completing the registration:

1. Log in to the application as a technician and sample user credentials (username: testlab1_tech1, password:tech123)

2. Click on **Registration** tab from home page.

3. In the **patient - lookup**, search for patient name you would wish to add or check if the particular patient is already added to the application. You can also search with patient number.

4. Once the patient name shows up in search results, you would see a **"*"** in patient id column which indicates the patient was added by doctor. Also you can look for the **Patient Number** column which is unique for each patient.

5. Click on the **Update Profile** link for the patient to update his details like Patient id and complete the other details and click Update. This updates all information needed for the patient and completes the patient registration.

6. Once updated, you can go to **patient - lookup**, search for patient name and view his profile to see all his details updated.

Configure Doctor Registration fields

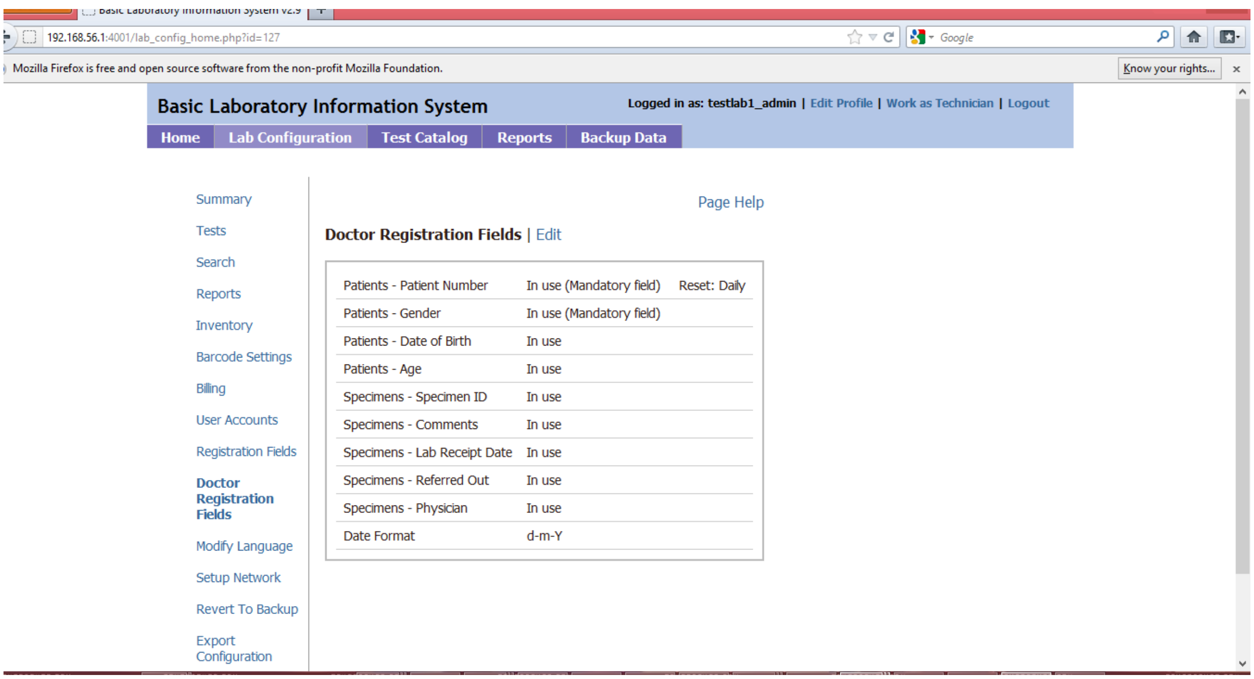
The administrator can configure **doctor registration fields** in a custom page where the administrator can make patient as well as specimen registration fields mandatory, include / exclude fields. For changing the field order, adding custom fields the administrator should use the common **registration fields** link.

1. Login to the application as a **administrator** with a sample user (username: testlab1_admin, password:admin123)

2. Click on **Lab configuration** tab on the home page.

3. Once the page gets fully loaded, click on **Doctor Registration Fields** from the list of configuration links on the left hand side.

4. On clicking the link, the list of **patient and specimen registration fields** are shown with details like whether its mandatory or in use are shown.



5. When the administrator clicks the **Edit** button, he would be able to edit the fields make some mandatory. By removing the check on the checkbox for a particular field, the administrator can exclude those registration fields and include fields by checking them.

6. Once all the edits are done, click save and the changes are saved.

7. When you log back as doctor, the changes can be felt in the registration fields while adding the new user

Appendix

Installation

If using a server and router, plug in the router first.

- Set up and turn on the server PC and its monitor.
- Navigate to the BLIS home page and select Download
- Save the files to your hard drive.
- Open the BLIS folder on the desktop and double click on **BLIS.exe**. Wait for a dialog box to appear on the screen. Choose **Yes** from the two options. The application will be installed automatically and the full login screen will appear.
- This completes installation for a single computer.

For networked computers, we recommend setting a static IP address for the network.

- Ensure that the computer is on the network.
- Copy the file **BlisSetup.html** to the computer
- Double click **BlisSetup.html** to install BLIS on the networked computer.
- Wait for the login screen. If the full screen with username, password, and login does not appear, check the URL on the server and make sure they are the same.

Glossary

Admin – Designation for a user that has control over lab configuration settings.

Aggregate – Type of report that collects data over a period of time and presents it to the user.

Barcodes – Used in inventory management to create printable 'barcode' labels for reagents.

Director – Designation for a user that oversees many laboratories, typically at the country level. Manages lab configuration standardization.

Grouped Reports – Reports that cover multiple types of information.

Inventory – Interface for managing reagents and supplies.

Lab Configuration – Collection of customizable settings relating to the collection and storage of data.

Manager – Another name for an Admin user.

Patient – Entry for a patient whose specimens tests are performed on.

Prevalence Rate – The percentage rate of occurrence of a particular result of tests.

Reagent – Term used in inventory control in BLIS. Denotes any physical supply that requires tracking in the inventory system.

Registration – The act of entering a patient into the BLIS program. Creates a unique patient entry that can be associate d with specimens and tests.

Reports – Pages that collect metrics for various types of data. The scope of these reports varies from individual patients to entire groups of laboratories.

Results - The recorded outcome of tests performed on specimens.

Specimen – An entry representing a physical specimen or reading taken from a patient.

Specimen Type – Classification for different types of specimens.

Technician – A designation for a user who is tasked with entering data into BLIS.

Test – An entry representing a test or reading taken from a specimen.

Test Type – Classification for different types of tests.

Turnaround Time – A measurement of the time it takes to receive a result, once a specimen is collected.

User – Any person or entity that logs into the BLIS program.

Verify – An action performed on test entries that validates the results for further use.

Worksheet – Customizable, printable sheets for improving the speed at which information is recorded in a physical sense (i.e. not entered **directly** into the BLIS program.)