

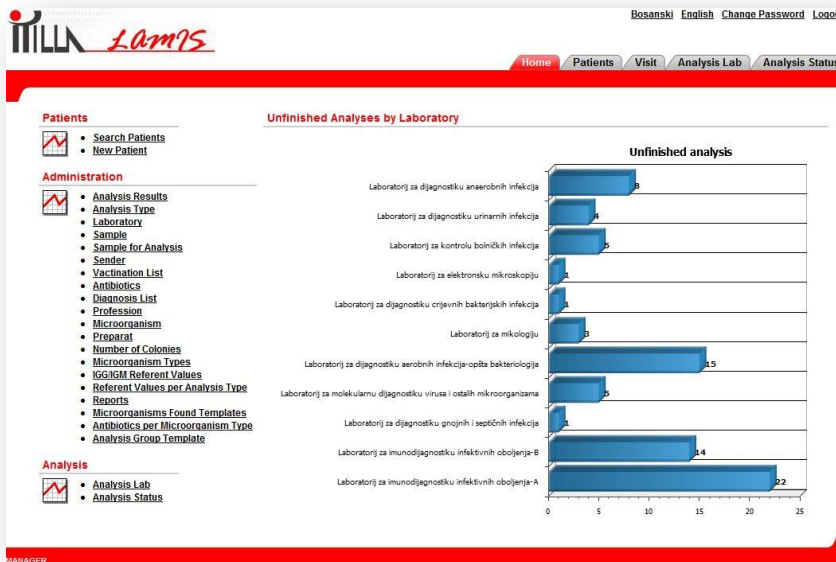


## Itilla LAMIS 2 (Laboratory Management Information System)

### What is LAMIS?

•••

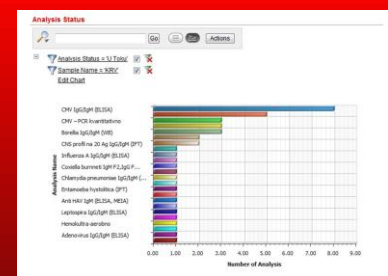
LAMIS is a multilingual laboratory management information system for the microbiology and biochemistry laboratories developed by Itilla. It is used to track patient information and activities in the laboratories. LAMIS has been developed with the help of many different types of medical professionals. The software fully reflects business processes in the laboratories. It can run as a standalone application or as a part of a larger system.



## Itilla LAMIS 2 Modules/Features

- Patients (patient management, patient search, patient's illness history, vaccination, therapies, previous serological analysis, previous visits)
- Biological samples data
- Analysis (analysis management, analysis search)
- Utilities (list of diseases, samples, analysis, analysis results, vaccination types, diagnoses types, laboratories, microorganisms, microorganism types, antibiotics, professions, preparation, hospital departments, referent values, referent values for analysis, reports, analysis result templates, analysis group templates)
- User administration
- Reporting – LAMIS comes with predefined statistical and analysis results reports. Itilla can also implement additional custom reports. LAMIS has features for the ad-hoc reports and statistical analysis. Itilla also can perform data mining and statistical analysis of your data with RODM interface. All the reports can be exported into rtf, docx, pdf, xls, odt, and ods formats.

Interaction with other systems, such as machines for the sample analysis, is possible. In addition to the usual LAN configuration, LAMIS 2 will be offered as a service on Oracle Cloud and AWS.



## Itilla LAMIS 2 Advantages

Improve efficiency and service quality and cut the laboratory costs

- Patient record history data is stored in one place. There is no need for the unnecessary examinations. This benefit cuts down cost in the laboratory materials and human resources and improves a quality of service.
- Software is adapted to the laboratory business processes.
- The data entry is fast and accurate because LAMIS is based on the predefined utility tables. Most of the data is stored in the drop down lists. The data in these tables is based on WHO standards.

**The goal of LAMIS 2 was too keep a simple user interface for the laboratory staff while adding new features and optimizing the application to work in the cloud environment.**

- Users can define templates for the analysis results.
- LAMIS can work on Oracle 11g XE and higher versions of Oracle. With Oracle 11g XE there is no need for the Oracle license. This solution is ideal for the smaller laboratories.
- LAMIS can work on any operating system that support Oracle (UNIX, Linux, Windows)
- Managers can view “real-time” reports on the performances of the laboratories and individual users.
- Users can search analysis status by many different parameters.

The screenshot shows the LAMIS 2 web application interface. At the top, there's a header with the Itilla LAMIS logo and navigation tabs for Home, Patients, Visit, Analysis Lab, and Analysis Status. The main content area is titled "Visit" and contains several fields for entering visit details: Visit ID (114), Name (Lela Cezar), Visit Date (09-11-2011), Notes, Sender (AMBULANTA), Result Date, Result Approved By (%), and User Stamp (ADMINISTRATOR). Below this is a "Sample List" table with columns for Sample Taken ID, Sample Name, New Diagnosis, and New Analysis. The table shows one sample with ID 123 and name URIN. Underneath is an "Analysis per Sample" table with columns for Analysis ID, Sample Name, Analysis Name, Status, Date Start, Date End, Analyzed By, Assigned To, and Deadline. It shows two analysis entries (IDs 002 and 001) for the URIN sample, both with a status of "Završena" (Completed) on 09-11-2011. At the bottom, there's a "Diagnosis per Sample" table with columns for ID, Sample Taken, Sample Name, and Diagnosis Name, showing a diagnosis of "Urosepsis" for sample 123. On the right side, there are options to "Print analysis result for visit" and "Generate Analysis from Template".

- The software is a web application. Client machines just need to have word processing software and internet browser. This significantly cuts down the maintenance costs.
- In addition to the usual LAN configuration, LAMIS 2 will be offered as a service on Oracle Cloud and AWS. This will cut down maintenance costs and increase ROI. This configuration will also make LAMIS accessible from any device that has Internet access (Tablets, smart phones etc.)

This screenshot shows the search results page in LAMIS 2. It features a search bar at the top and a table of results with columns for Analysis ID, Sample Name, Analysis Name, Status, Date Start, Date End, Analyzed By, Assigned To, and Deadline. The table contains multiple rows of data, representing different analysis entries.

