

# Generating Laboratory Reports

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The Laboratory Reports feature provides healthcare professionals with a powerful tool to track, filter, and analyze patient lab tests and results. This article explores the functionality, search capabilities, and reporting options available in this essential clinical tool.

## Accessing Lab Reports

The Lab Reports option is located under the Reports dropdown section.

1. Navigate to Reports menu
2. Select "Labs Reports" from the submenu options

## Search Functionality

The Lab Reports interface offers search capabilities, allowing users to quickly locate specific reports based on various parameters.

### Date Range Selection

Users can filter reports by specifying a custom date range, enabling both historical analysis and current monitoring of lab results.

### Advanced Filtering Options

Several filtering options enhance the search functionality:

- **Show only abnormal results:** Displays only lab tests with values outside the normal reference range
- **Show only incomplete tests:** Highlights tests that have been ordered but not yet completed
- **Include canceled orders:** Option to view tests that were ordered but subsequently canceled

### Search Bar

A dedicated search bar allows for quick lookups using keywords, patient identifiers, or specific test names.

## Generating Reports

1. After configuring the desired search parameters
2. Click the "Update Filter" button to execute the search
3. The system will process the request and display matching results

## Report Metrics and Analysis

The generated report provides comprehensive analytics with key performance indicators.

Metric	Description
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Results (total)	The total number of lab tests matching your search criteria
Abnormal results (% of Total)	Percentage of tests with values outside normal ranges
Missing Orders (% of total)	Percentage of ordered tests without completed results

## Export Capabilities

For documentation or offline analysis, users can export the generated report.

1. Select the export option from the report view
  2. The system will generate a PDF version of the report
  3. The PDF is automatically sent to the Message Center for convenient access
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