

Laboratory Information Management System (LIMS): A LIMS is a software platform that is used to manage laboratory data, such as patient information, test results, and quality control data. EMRs can be linked to laboratory information systems to automatically populate patient data into laboratory orders and results, reducing errors and improving efficiency. Quality control software can be linked to laboratory instruments to automatically collect and analyze quality control data, ensuring that testing meets established standards. LIMS can be linked to laboratory instruments, such as analyzers and automated testing systems, to automatically capture and process data. This integration helps to reduce errors and improve efficiency by eliminating manual data entry. The benefits of computer linkage in the clinical laboratory include increased efficiency, accuracy, and speed of operations. These images can be analyzed by computer software, providing insights into sample characteristics such as cell morphology and size. It also reduces the risk of manual errors and enables real-time monitoring of laboratory processes. LIS connects with EMRs to provide seamless information flow