

Introduction to the LIMS & Other Information Systems



DESCRIPTION

Laboratory informatics is the specialized application of information technology to enable and enhance scientific processes and the delivery of laboratory information. It is a critical part of today's laboratory operations, helping to ensure high-quality, reliable data and results. This basic-level eLearning course provides an overview of the Laboratory Information Management System (LIMS) – also known as a Laboratory Information System – and other information systems that play a key role in laboratory informatics. Included in the course are explorations of LIMS functionality, the role of the LIMS in interoperability, various regulations and standards regarding information systems and laboratory data, and the steps in implementing a LIMS.

AUDIENCE

This online course is designed for public health and clinical laboratory staff (including managers and leaders) and other persons interested in the role and importance of LIMS to the operation of the laboratory.

SPECIAL NEEDS

Course content is closed-captioned, where applicable, and optimized for a screen reader.

FREE REGISTRATION

- Locate the course online at www.cdc.gov/labtraining.
- Follow the link to register for the course in TRAIN.
- If you have difficulty with the online registration process, please email labtraining@cdc.gov.

OBJECTIVES

At the conclusion of this course, the learner will be able to:

- Identify the core functions and internal features of the Laboratory Information Management System (LIMS)
- Identify common systems that can interface with the LIMS
- Recognize how the LIMS facilitates interoperability
- Recognize the professional standards and federal regulations that apply to laboratory information systems and data
- Identify the steps in LIMS implementation

CONTINUING EDUCATION

The Centers for Disease Control and Prevention Division of Laboratory Systems is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program.

This course is approved for 1.5 contact hour(s) of P.A.C.E.® credit. P.A.C.E.® number: 288-007-21.

For a complete list of courses, visit <https://www.cdc.gov/labtraining>.

