

Healthy People 2010 Operational Definition

23-13. Increase the proportion of Tribal and State public health agencies that provide or assure comprehensive laboratory services to support essential public health services.

23-13b. Integrated data management.

National Data Source	Comprehensive Laboratory Services Survey (CLSS), Association of Public Health Laboratories (APHL).
State Data Source	Comprehensive Laboratory Services Survey, Association of Public Health Laboratories (APHL).
Healthy People 2000 Objective	Not applicable.
Changes since the 2000 Publication	New subobjective (see Comments). Revised text (see Comments). Revised baseline (see Comments). Revised baseline year (see Comments). Revised target (see Comments).
Measure	Percent.
Baseline (Year)	59 (2006)
Target	73
Target-Setting Method	Expert opinion. For a discussion of target-setting methods, see Part A, section 4.
Numerator	Number of States and Territories participating in the survey that meet the defined standards/criteria for Integrated Data Management.
Denominator	Number of States and Territories participating in the survey.
Population Targeted	State and Territorial public health laboratories.
Questions Used to Obtain the National Baseline Data	From the 2006 Comprehensive Laboratory Services Survey:

- *Does your laboratory have a single or multiple Laboratory Information Management System (LIMS) that covers all functional areas of the laboratory (e.g., clinical, environmental, newborn screening, etc.)? (Choose one of the following)*
 - a) *Yes, a single LIMS (1)*
 - b) *Yes, multiple LIMS that are integrated (1)*
 - c) *Yes, multiple LIMS that are not integrated (1)*
 - d) *No (Skip to question 4) (0)*
- *Does your LIMS(s) have the capability to electronically receive and report information? (e.g., to PHL, to physician, Hospital Lab to PHL, PHL to Epidemiology)*
 - a) *Yes; bidirectional capability (1)*
 - b) *Receive only (0.5)*
 - c) *Report only (0.5)*
 - d) *No electronic messaging capability (0)*
- *Does your LIMS system(s) incorporate national standards? (Check all that apply; maximum score of 1)*
 - a) *HL7 (1)*
 - b) *LOINC (1)*
 - c) *SNOMED (1)*
 - d) *ESAR (environmental) (1)*
- *Does your laboratory have IT professionals on staff or are they contract employees or available by other arrangements? (Check all that apply; the responder is scored to the highest item they choose.)*
 - a) *on-staff (laboratory employees) (1)*
 - b) *contract employees (0.75)*
 - c) *other agency staff (not laboratory employees) (0.5)*
- *Does your laboratory have a budget in place and a plan to purchase or upgrade a LIMS for your laboratory within the next two fiscal years?*
 - a) *Yes (1)*
 - b) *No (0)*

Expected Periodicity

Approximately every two years

Comments

Questions to determine whether a State or Territory is providing or assuring comprehensive laboratory services in support of essential public health services were selected by the Leadership Committee of the Association of Public Health Laboratories (APHL). The committee consists of practicing and retired public health laboratory directors, members of academia, and other laboratory practitioners.

A State/Territory is considered to have met the core function of Integrated Data Management if it scored at least 4 of the 5 total possible points for this

subobjective.

Forty-six of the 56 States and Territories responded to the Internet-based survey system entitled "LabNet" in 2006.

Objective 24-13 moved from developmental to measurable during the Healthy People 2010 Midcourse Review. The original objective included comprehensive laboratory services provided by State, Tribal, and local health agencies. Local health agencies were dropped from the objective scope due to the lack of a data source. Eleven subobjectives were created, each addressing specific components of comprehensive laboratory services.

For this objective, the term "State" includes the District of Columbia and Puerto Rico.

The first CLSS survey was fielded in 2004. Between 2004 and 2006, significant changes were made to improve the survey instrument. These include modifications to clarify questions that may have been confusing; updates to reflect changes in current laboratory practice; and the addition of follow-up questions to enable more accurate measurement of given subobjectives.

Consequently, the original 2004 baseline of 69 percent was replaced with the 2006 measure of 59 percent. The original target of 85 percent was proportionally adjusted to 73 percent to reflect the revised baseline using the original target-setting methodology.

At this time, data for Tribal agencies are not collected. However, if data should become available by 2010, the information will be included.

See Appendix A for focus area contact information.