Introduction: Two Projects Focused on Follow-up in Newborn Screening

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Two Programs for Enhanced Quality in NBS

Clinical and Laboratory
Standards Institute

Guideline LA-27P: NBS Follow-up and its QA

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CLSI is an accredited developer of global voluntary consensus standards and guidelines.

- American National Standards Institute (ANSI)
- International Organization for Standardization (ISO) standards



The Clinical and Laboratory Standards Institute mission is to enhance the value of medical testing and healthcare services through the development of consensus standards, guidelines, and best practices.



- 78 Industry Organizations
 (20 w/ Gross Sales > US \$50 Million)
- 2 Trade Organizations
- 29 Professional Societies
- 22 Government Agencies



- 1,733 Hospitals and Laboratories
- 150 Healthcare Delivery Systems
- 45 Educational Institutions



- Automation and Informatics
- Clinical Chemistry and Toxicology
- Evaluation Protocols
- General Laboratory Practices
- Healthcare Services
- Hematology
- Immunology and Ligand Assay
- Microbiology
- Molecular Methods
- Point-of-Care Testing



A consensus standard or guideline is a document developed through the consensus process to promote uniform products, materials, methods, or practices.

A standard must be followed as written. A guideline may be modified by the user.

Levels of the consensus process

- Proposed Level
- Approved Level



- Clinical, academic, regulatory, and industry scientists all use CLSI standards, guidelines, and best practice documents.
- FDA recognizes standards for use by industry in product submissions
 - Currently 82 CLSI approved documents are recognized by FDA



42 new documents published in 2004

Examples:

➤ Free Thyroid Hormones; Bone Markers; Immunoassay Systems; Fluorescence Calibration; Maternal Serum Screening; Evaluation of Precision; Limits of Detection; Media Quality Control; Point-of-Care Hemostasis Testing



 Blood Collection on Filter Paper for Newborn Screening Programs

Proposed Standard	1982
Approved Standard	1988

2nd ed 1992

3th ed 1997

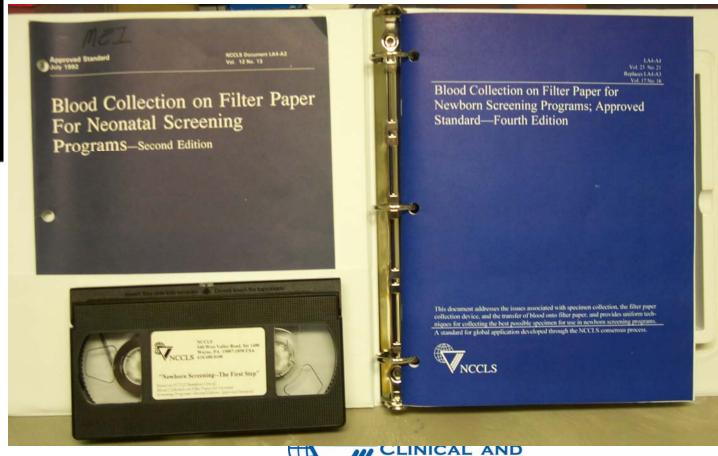
4th ed 2003

2nd Printing 2003



The FREDDIE Awards

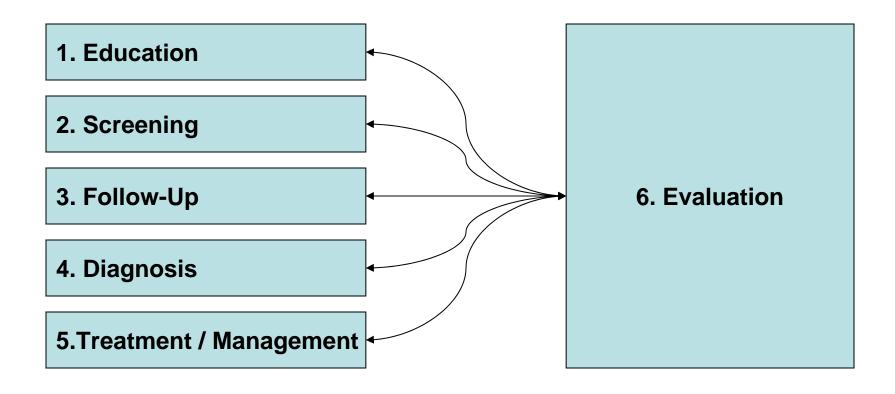
International Health & Medical Media Awards





(Formerly NCCLS)
Providing NCCLS standards and guidelines,
ISO/TC 212 standards, and ISO/TC 76 standards

Six Components of the Newborn Screening System

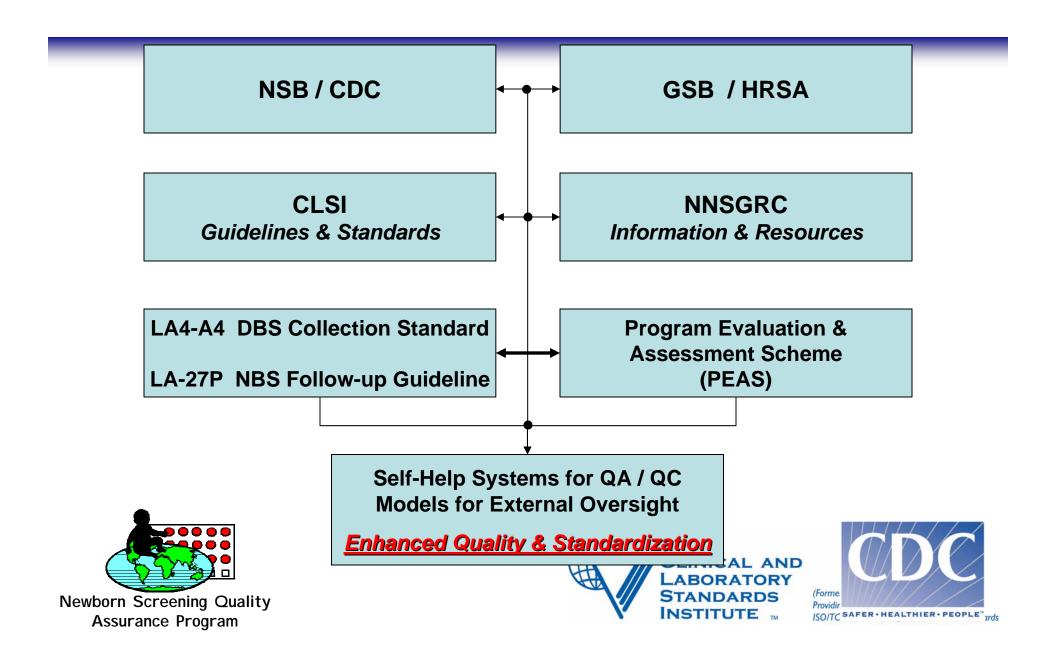








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Goals of CLSI Guideline I/LA27P:

"Newborn Screening Follow-up Activities and its Quality Assurance"

"The primary goal of this guideline is to improve and ensure the quality and effectiveness of short-term and long-term follow-up on newborn screened-positive results to the point of resolution."

"This guideline is intended to be used in both private and state-operated* newborn screening programs by those who are involved in any aspect of newborn screening follow-up ... "



*NSQAP provides services to about 400 laboratories in 53 countries





Goals of the PEAS Project

"... to create model PEAS for various NBS system components and combine them into an NBS system-wide PEAS."

The model PEAS will be embedded into an interactive Web site for widespread program use as a self-help tool.







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