



Newborn Screening Educational Resource Guide

The purpose of this guide is to serve as a tool for birthing hospitals to ensure adequate standards and training instructions related to newborn screening are disseminated to all involved in the newborn screening process.

Model Hospital Newborn Screening Policy: A sample policy that outlines newborn blood spot screening, newborn hearing screening, and pulse oximetry screening. The policy can be used as a comparison against current hospital policy or adopted/amended for hospitals which do not have a policy in place to meet the needs of the hospital.

Newborn Screening Hospital Collection Log: A sample collection log containing fields that are required or recommended by the NBS Program. The hospital is required by the NBS Regulations to keep a collection log.

Hospital Audit/Self-Evaluation Form: An evaluation form for hospitals to utilize internally in order to evaluate their processes related to newborn screening, including newborn screening policy, procedures, and unit processes.

Train-the-Trainer PowerPoint: A comprehensive educational tool for training of staff. The PowerPoint encompasses newborn blood spot screening, newborn hearing screening, and pulse oximetry screening. The PowerPoint may be used for new staff or as needed for staff re-education and evaluation. The PowerPoint can be divided into sections so particular areas in need of improvement can be addressed as needed.

Train-the-Trainer PowerPoint Questions & Answer Key: A bank of questions can be used at the end of respective sections of the Train-the-Trainer PowerPoint. Questions can be utilized pre/post education to measure knowledge gained.

Newborn Screening Collection Skills Checklist: A skills checklist outlining the newborn screening process and technique for specimen collection. The skills checklist can be used for new employee evaluation and as needed for staff re-education and instruction.

Clinical and Laboratory Standards Institute (CLSI) Resources: Resources to be used for staff education that feature clinical and laboratory standards as related to the newborn screening bloodspot, including recommended collection devices, techniques, procedures, and follow-up.

- **NBS01-A6: Blood Collection on Filter Paper for Newborn Screening Programs; Approved Standard-Sixth Edition:** This document can be utilized to develop additional education or provide more detailed-specific information regarding newborn screening.
- **Making a Difference Through Newborn Screening: Blood Collection on Filter Paper DVD:** The DVD is a companion resource to be to the *Blood Collection on Filter Paper for Newborn Screening Programs; Approved Standard-Sixth Edition* document. It provides an excellent overview of NBS, the NBS collection process, and additional information.

- **Specimen Collection and Sample Quality for Newborn Screening Quick Guide:** These documents provide visual examples of newborn screening blood spot specimen collection as well as invalid blood spot specimens and their possible causes. An example of a valid specimen is shown for comparison.
- **Letter:** Provides written permission from CLSI for the hospital to upload the CLSI resources to their internal network (intranet) for educational purposes.

Specimen Examples: Specimen examples are scanned images of specimens received by the Public Health Laboratory. These specimens provide examples of common reasons why a specimen may be considered unsuitable for testing (unsatisfactory). Included with each specimen example is an explanation detailing why the sample is unsuitable for testing.

Pulse Oximetry Resources: Pulse oximetry screening protocol and tools for staff use and education.

- **Critical Congenital Heart Disease (CCHD) Pulse Oximetry Screening Protocol:** A protocol outlining pulse oximetry screening for CCHD and results interpretation.
- **Pulse Oximetry Screening for CCHDs Interpretation of Pulse Oximetry Results:** A visual guide for staff use to determine screen results for pulse oximetry based upon the OSDH pulse oximetry screening protocol.
- **Pulse Oximetry Screening Result Form:** A form to be utilized if pulse oximetry screening results are not documented on the newborn screening filter paper. The original document is to be kept in the newborn's record, a copy provided to the parents, and a copy faxed to the NBS Program at 405-271-4892.

Additional Resources:

- **OSDH Supply Order Form:** An order form for NBS blood spot, hearing, and/or pulse oximetry screening brochures to be requested from OSDH by faxing to the NBS Program at 405-271-4892. Brochures are available in English and Spanish and are to be provided to parents.
- **NBS Refusal Form:** A form to be utilized if parents/guardians refuse the NBS blood test and/or pulse oximetry screen for religious tenets and practices. The original document is to be kept in the newborn's record, a copy provided to the parents, and a copy faxed to the NBS Program at 405-271-4892.