

NEWBORN METABOLIC SCREENING SYSTEM SOURCEBOOK

Overview

A Newborn Metabolic Screening System SourceBook will be developed by the Center for Innovation in Health Information Systems to serve as a guide for MCHB and state public health agencies that will pursue integration of newborn metabolic screening systems with other public health programs and their information systems. The SourceBook will provide:

- Definitions of the nine **Key Elements** that are necessary for successful integration of information systems: Leadership, Project Governance, Project Management, Stakeholder Involvement, Organizational and Technical Strategies, Technical Support/Coordination, Financial Support and Management, and Policy Support and Evaluation;
- Descriptions of what constitutes **Best Practices** for each of the identified Key Elements, and illustrations of each Best Practice, drawn from visited sites;
- Two **Case Studies** of sites that demonstrate how the best practices are contributing to their success, as well as how road blocks they have encountered have limited success; and
- **Lessons Learned** – the high level insights about newborn metabolic information systems integration that Center for Innovation staff gleaned through this experience.

Methodology

The SourceBook is informed by two-day site visits to seven selected state planning grantees (Colorado, Iowa, Michigan, Missouri, Oregon, Rhode Island and Utah) from January through April 2002. At each site visit, Center for Innovation staff interviewed key stakeholders of the integration project. The number and type of interviewees varied widely among projects, including health department programs (i.e., newborn screening, immunization registry, hearing screening, lead screening, vital records, etc.); health agency officials; information systems staff; private providers; vendors; parents and parent organizations; and other agencies or organizations affiliated with the project (i.e., visiting nurses, Title V).

At the site visits, interviewees and Center for Innovation staff discussed the issues regarded as essential to a successful information systems project: executive sponsorship, project governance, project management, community stakeholder involvement, policy coordination, the relationship between the integration plan and the overall state health plan, financial support, and evaluation.

From these interviews, Center for Innovation staff distilled nine Key Elements of a successful information systems integration project, the Best Practices, Case Studies and Lessons Learned.

The SourceBook also will include Project Briefs that provide an overview of each of the visited sites; resources for more information; and diagrams of the information architecture for the two Case Study sites, Missouri and Utah.