GLIDES Project Overview

Beginning in February 2008, a project team from three organizations (Yale Medical School, YNHH and Nemours) convened to plan and execute the project. The team will implement the decision support interventions within the functioning electronic health record systems at clinical sites in three phases.

In the first phase, we will implement CDS for Asthma at Yale Specialty clinic. In the second phase, we expect to implement CDS for Obesity at Yale Primary Care and Delaware Primary Care, and for Asthma at Nemour’s Jacksonville, Orlando and Pensacola facilities. In the third and final phase, we expect to implement CDS for Asthma at Yale Primary Care and Delaware Primary care.

The project will receive national visibility through regular reports to AHRQ and its Project Advisory Committee, the Certification Commission for Health Information Technology, and national professional organizations that develop guidelines.

GLIDES Project Goals

1. Implement evidence-based guideline recommendations that address both preventive practices (pediatric overweight and obesity) and complex management of chronic disease (asthma).

2. Apply the Guideline Elements Model and its associated tools (GEM Cutter, EXTRACTOR, COGS, GLIA) to systematically and replicably transform the knowledge contained in these guidelines into a computable format.

3. Deliver the guideline knowledge via electronic decision support interventions at sites that employ CCHIT-certified, widely-used EHR systems:

   - Centricity EMR
     - Yale New Haven Hospital’s Primary Care Center
     - Yale Specialty Clinics
   - EpicCare
     - Nemours primary care practices (Delaware Valley)
     - Nemours specialty clinics (Orlando, Jacksonville, Pensacola)

4. Evaluate the fulfillment of knowledge transformation goals and the effectiveness of the decision support tools in improving the quality of health care.

5. Disseminate the findings of the demonstrations in a variety of formats, including direct recommendations to guideline developers and IT vendors.

Project Partners

Yale School of Medicine
Faculty dedicated to research, clinical care, and teaching. Yale’s Center for Medical Informatics and Department of Pediatrics provide home for GLIDES and expertise in asthma management and obesity prevention.

Yale New Haven Hospital
Pediatric Primary Care Center provides primary through tertiary care for a large, multi-ethnic inner-city population. Information Systems & Technology Department is experienced in successful deployment of computer-based decision support.

Nemours
Pediatric multispecialty ambulatory centers in Florida and primary care network in the Delaware Valley. Nemours Clinical Management Program measures and promotes effective practice throughout the enterprise.

Project Timeline

The first two phases of the project—Project Planning and Knowledge Transformation—are complete. An overview of the Knowledge Transformation phase is contained in this newsletter. Implementation work will commence in June 2008. In addition, Evaluation work will be performed throughout the project. Our results and findings will be disseminated through published reports and presentations.
The Knowledge Transformation phase was performed between March and May 2008. During this phase, the GLIDES project team applied the GuideLine Elements Model (GEM) and its related tools to transform the knowledge contained in the selected evidence-based clinical practice guidelines into a standardized format—i.e., XML based on the GEM Schema Standard (ASTM E2210-06). These tools are non-proprietary and are available on the YCMI website.

The methodology used is shown in the panel opposite. We carefully documented progress, issues, and obstacles and defined a set of best practices. This suite of activities was performed for both the Asthma and Obesity guidelines.