GLIDES Update
Technical Expert Panel Meeting
October 15, 2008

GLIDES PROJECT
GuideLines Into DECision Support
sponsored by
the Agency for Healthcare Research and Quality

Yale New Haven Health
Yale School of Medicine
Nemours
Outline

• **Design/Development**
  – Timeline, Project Status and Artifacts
  – Asthma Smartform design: 26 forms—new and old
  – Hyperlinked workflow diagram: Dixon’s Variations on a Theme by Osheroff

• **Dissemination**

• **Evaluation**
  – Survey of Yale users’
  – “Study-able” variables and evaluation framework

• **Plans for Phase 2**
Project Timeline

Pre-Implementation

Asthma
Obesity

Dissemination

Phase 2
Implementation

Phase 3
Implementation

Evaluation

Jan-April 2008
Mar-June 2008
June-October 2008

October 2008 – June 2009
June-November 2009

Jan-April 2008
Mar-June 2008
June-October 2008
GLIDES Design Documentation

Narrative Guideline

Semi-structured

Semi-formal

Formal

Input Documentation

Published Guideline - NHLBI
EPR3
Clinical Objectives
GLIDES Design Documentation

Input Documentation
Published Guideline - NHLBI
EPR3
Clinical Objectives

Documentation Produced
COGS, GLIA Reports
Survey of Knowledge, Attitudes and Behavior at Yale
GEM file (XML)
Recommendations
Knowledge Components
Rules
Decision Variables
Actions
GLIDES Design Documentation

Input Documentation
- Published Guideline - NHLBI EPR3
- Clinical Objectives (to focus guideline selection)

Documentation Produced
- COGS, GLIA Reports
- Survey of Knowledge, Attitudes and Behavior at Yale
- GEM file (XML)
- Recommendations
- Knowledge Components
- Rules
- Decision Variables
- Actions

Documentation Produced
- Clinical Workflow Schematic
- Intervention Specifications (adapted from Osheroff, et al)
- Guideline Adaptations
TRAINING IMPLICATIONS

- Explicit discussion of anticipated advantages
  - Comprehensive documentation
  - Memory aid for complex set of recs
  - Simplifies complex decision making
  - Teaching/learning EPR3 concepts
  - Specific prompting to assess adherence
  - Integrated prescription writing
  - Integrated production of action plan
  - Consultant letter
GLIDES Design Documentation

**Input Documentation**
- Published Guideline - NHLBI
- EPR3
- Clinical Objectives

**Documentation Produced**
- COGS, GLIA Reports
- Survey of Knowledge, Attitudes and Behavior at Yale
- GEM file (XML)
- Recommendations
- Knowledge Components
- Rules
- Decision Variables
- Actions

**Documentation Produced**
- Clinical Workflow schematic
- Intervention Specifications (adapted from Osheroff, et al)
- Guideline Adaptations

**Documentation Produced**
- Developer Specs Form
- Screen Designs
- Code / Scripts
Guidelines International Network
Helsinki, 1-3 October 2008

• Implementation is a science

• Guidelines are innovations
• Success factors:
  – Targeted
  – Multifaceted
  – Addresses barriers and incentives directly
  – Locally-owned
Web Page - gem.med.med.yale.edu/glides
Evaluation domains

• Guideline quality
• Provider knowledge, behaviors, attitudes
• Structure
• Process
• Outcomes
Some Lessons Learned

• Knowledge transformation proved to be less complex than integration of DS into local environment

• Providing DS for management of chronic disease requires applying a multiplicity of mechanisms; simple alerts and reminders may be insufficient

• User availability for DS
  – Triggering CDS Smartforms is a critical issue
  – Many users document findings after clinic sessions and are therefore unavailable for decision support
  – DS integration is complicated in academic settings where trainees discuss assessment and plan with attendings before finalizing them
Preparations - Phase 2

– We are ready to meet with the Project Officer to review Phase I findings and the proposed Phase II plan during the week of November 17
– Will commence Phase II Implementation at a kick-off session at Nemours (Orlando) November 5th