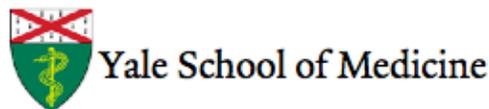




GLIDES Update
Technical Expert Panel Meeting
October 15, 2008

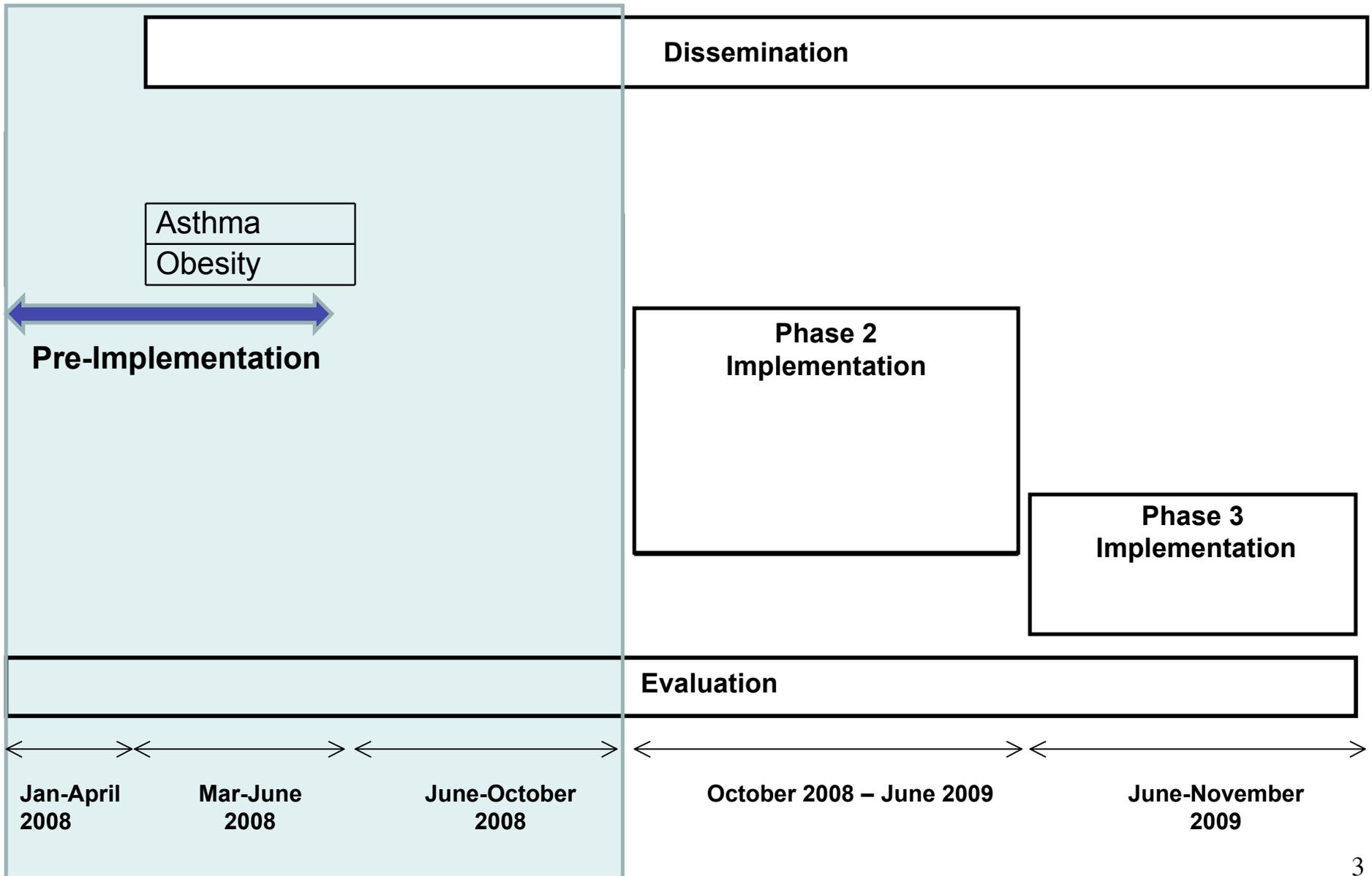
GLIDES PROJECT
GuideLines Into DEcision Support
sponsored by
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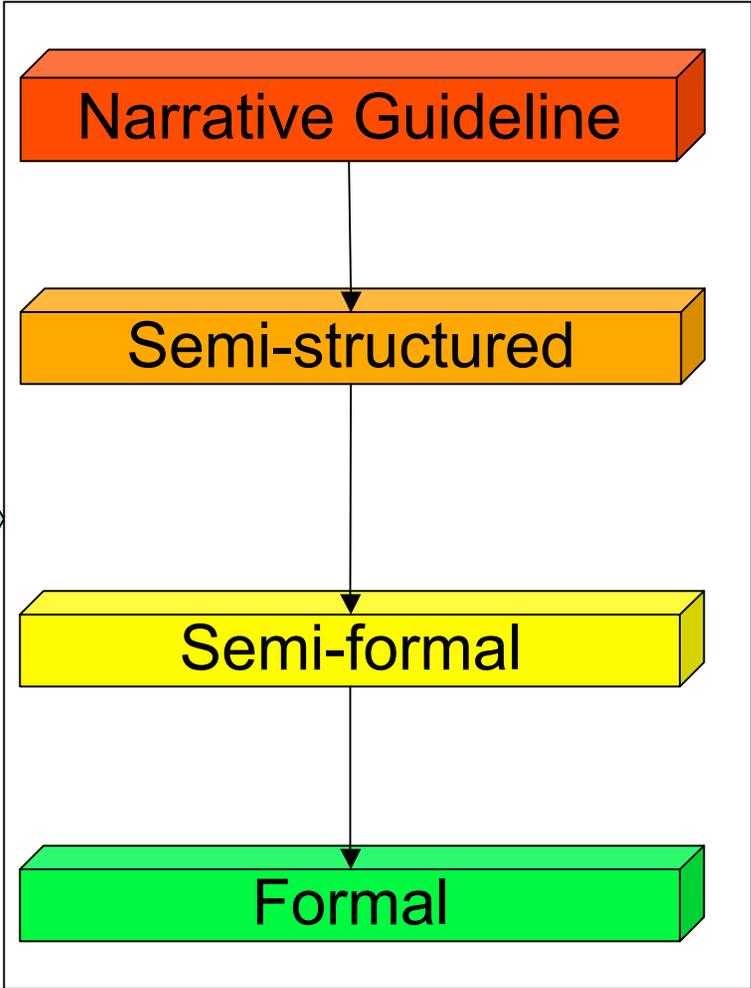
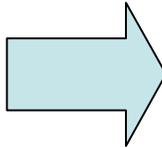
Outline

- 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



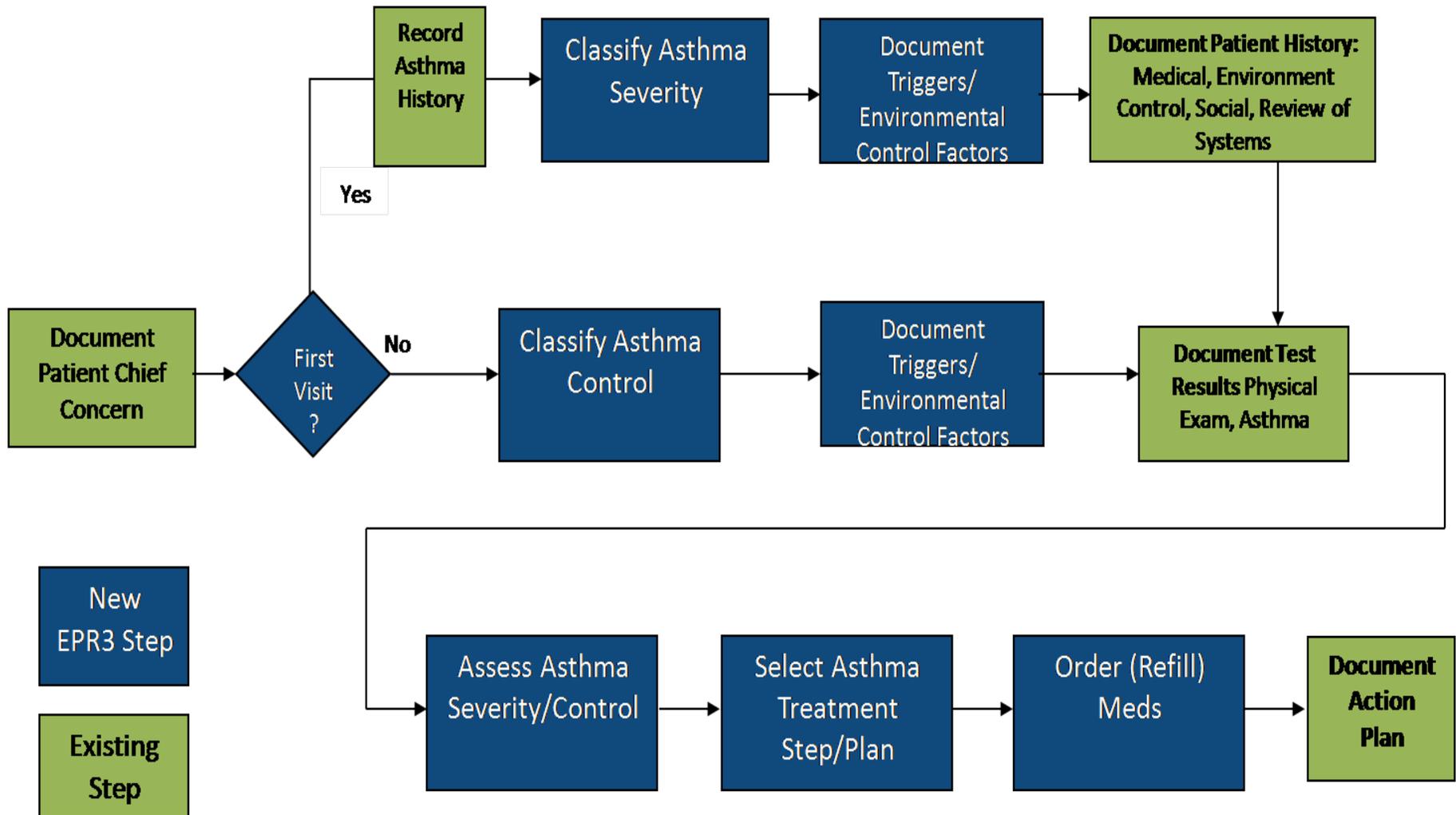
Black Box



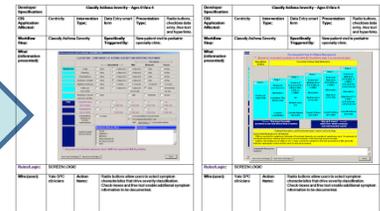
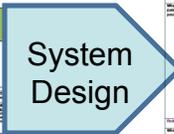
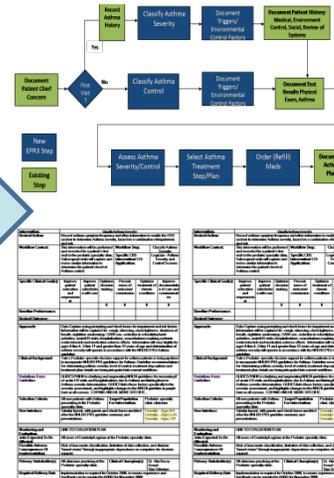
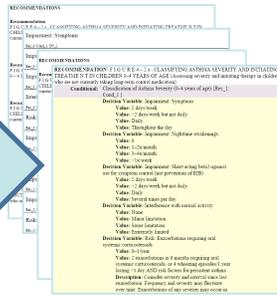
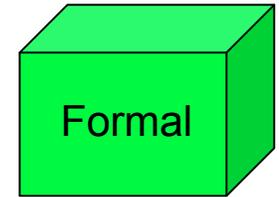
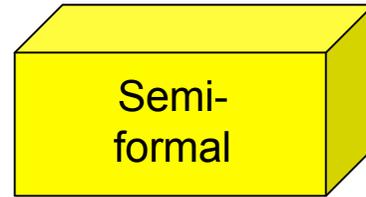
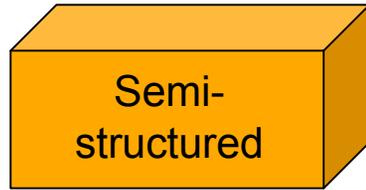
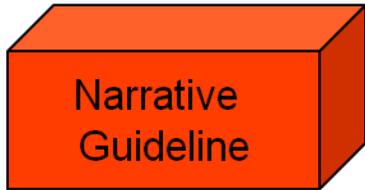
TRAINING IMPLICATIONS

- 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

Yale - Asthma NHLBI ER3 Work Flow



GLIDES Design Documentation



Guideline	Adherence	Classify	Document	Select	Order	Document
ADHERENCE TO ANTIRETROVIRAL THERAPY	Y	Y	Y	Y	Y	Y
ADHERENCE TO ANTIBIOTIC THERAPY	Y	Y	Y	Y	Y	Y
ADHERENCE TO ANTIEPILEPTIC THERAPY	Y	Y	Y	Y	Y	Y
ADHERENCE TO ANTIHYPERTENSIVE THERAPY	Y	Y	Y	Y	Y	Y
ADHERENCE TO ANTIHYPERTENSIVE THERAPY IN CHILDREN	Y	Y	Y	Y	Y	Y
ADHERENCE TO ANTIHYPERTENSIVE THERAPY IN CHILDREN WITH CHRONIC KIDNEY DISEASE	Y	Y	Y	Y	Y	Y
ADHERENCE TO ANTIHYPERTENSIVE THERAPY IN CHILDREN WITH TYPE 2 DIABETES	Y	Y	Y	Y	Y	Y
ADHERENCE TO ANTIHYPERTENSIVE THERAPY IN CHILDREN WITH TYPE 2 DIABETES AND CHRONIC KIDNEY DISEASE	Y	Y	Y	Y	Y	Y
ADHERENCE TO ANTIHYPERTENSIVE THERAPY IN CHILDREN WITH TYPE 2 DIABETES AND CHRONIC KIDNEY DISEASE AND TYPE 2 DIABETES	Y	Y	Y	Y	Y	Y
ADHERENCE TO ANTIHYPERTENSIVE THERAPY IN CHILDREN WITH TYPE 2 DIABETES AND CHRONIC KIDNEY DISEASE AND TYPE 2 DIABETES AND CHRONIC KIDNEY DISEASE	Y	Y	Y	Y	Y	Y

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.yale.edu/glides



GLIDES

[Public Home Page](#)
[Member's Home Page](#)
[Project Participants Documents](#)

October, 2008							
«	<	Today			>	»	
wk	Sun	Mon	Tue	Wed	Thu	Fri	Sat
39				1	2	3	4
40	5	6	7	8	9	10	11
41	12	13	14	15	16	17	18
42	19	20	21	22	23	24	25
43	26	27	28	29	30	31	
Select date							

Member's Area

Project Plan

[Project Plan](#)
[Project Plan as Word Document](#)
[Project Plan as PDF](#)

Reports to AHRQ

[Monthly Reports](#)
[Annual Report](#)
[Milestones](#)

Obesity

[Recommendations Report](#)
[Rules Report](#)
[Knowledge Components Report](#)
[Decision Variables Report](#)
[Actions Report](#)
[GLIDES Variables \(Excel Spreadsheet\)](#)

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