GLIDES Project – Technical Expert Panel

Andrew Hamilton RN, MS

association of clinicians for the underserved

Yale School of Medicine

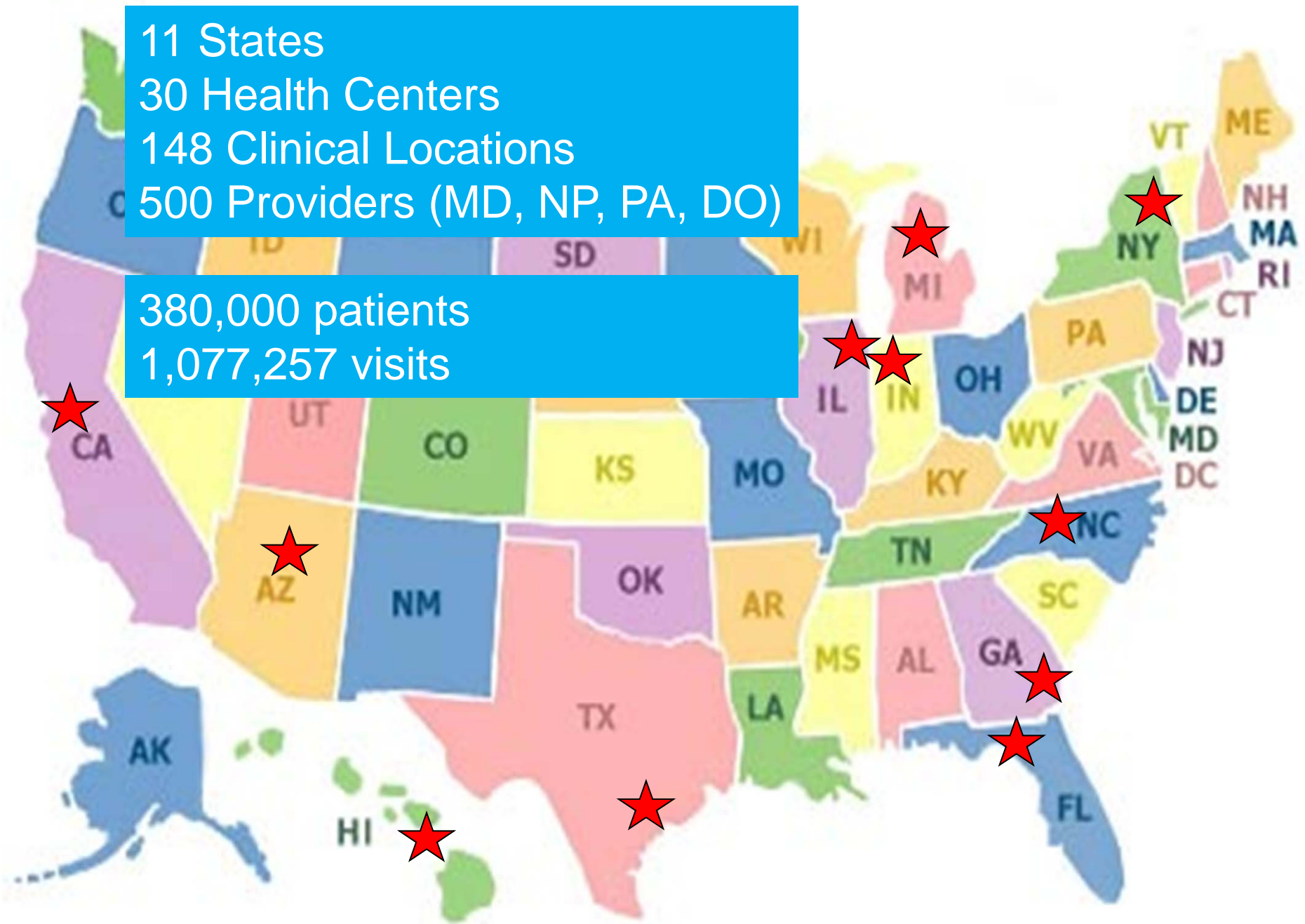ALLIANCE OF CHICAGO
Community Health Services, LLC

Alliance Overview

- HRSA funded **network/collaborative of Community Health Centers**

- Essentially a joint venture organizations with the desire and ability to work together on building some **common infrastructure to improve service delivery** and health status

- Dedication to **quality** and **use of data** to improve care

- Ability to access higher quality, efficiency and **economy of scale**

- Desire to ultimately **share with others**

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11 States
30 Health Centers
148 Clinical Locations
500 Providers (MD, NP, PA, DO)

380,000 patients
1,077,257 visits

Alliance Programs

Electronic Medical Records & HIT

Quality Improvement & Research
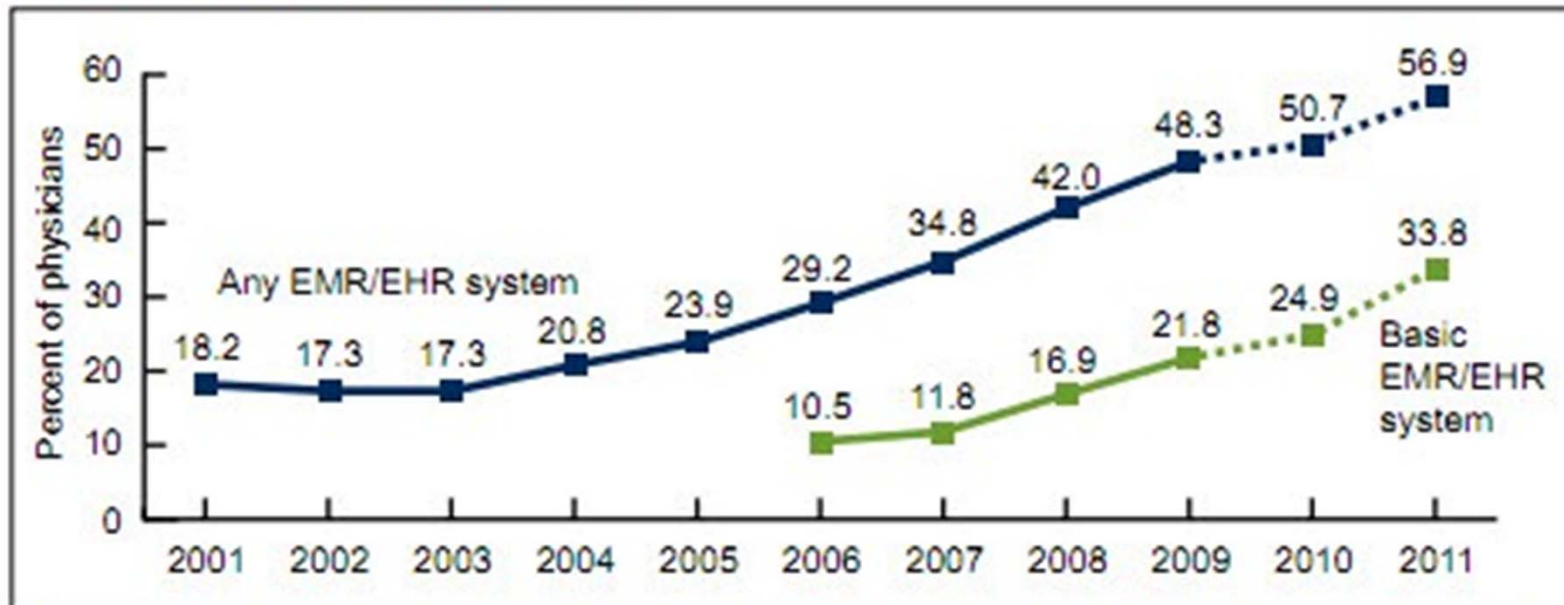
Consulting & Technical Assistance

Technology Innovations & Partnerships

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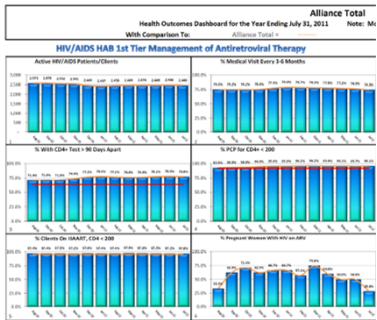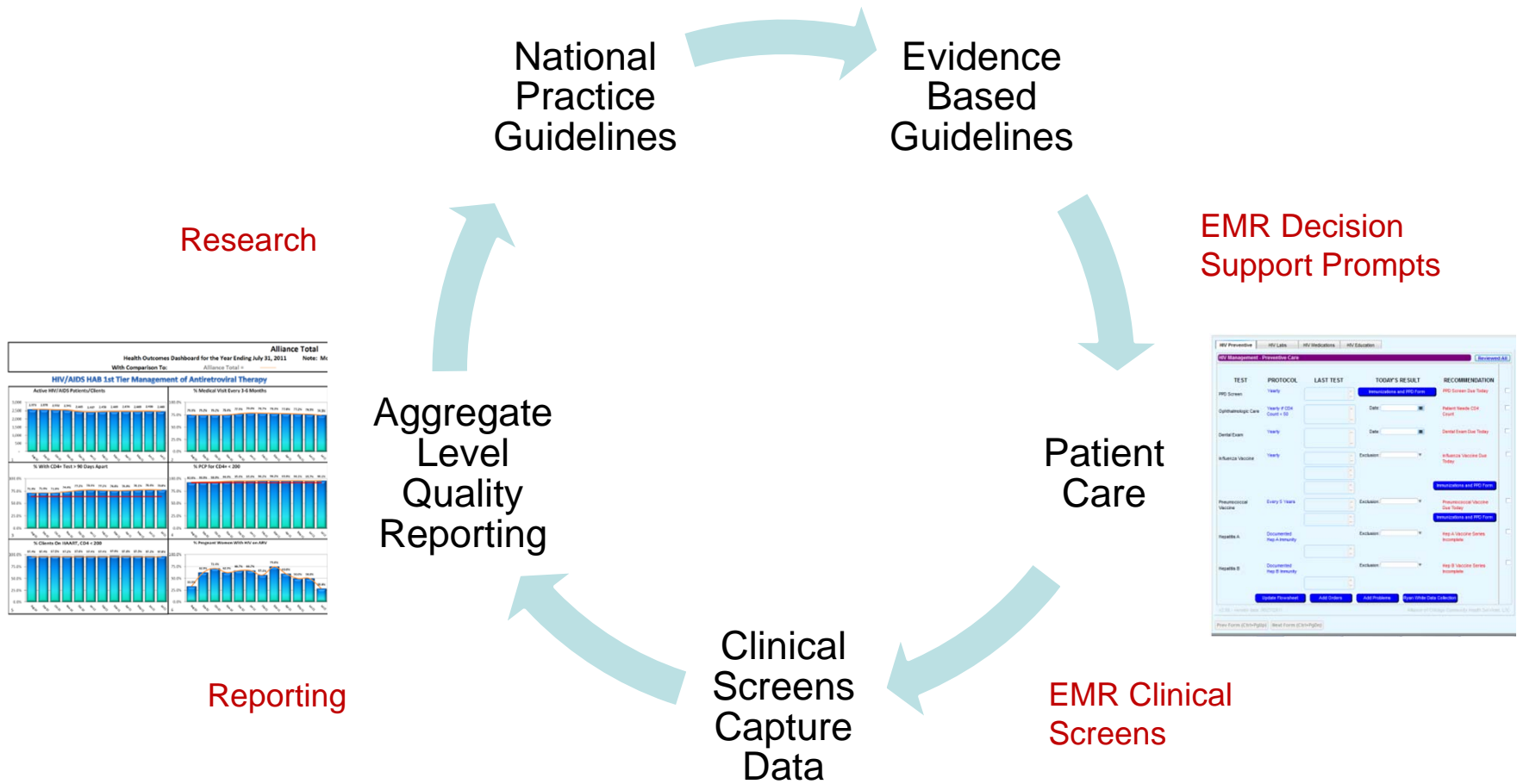# Adoption of EMR/EHR systems by office-based physicians has increased.

Figure 1. Percentage of office-based physicians with EMR/EHR systems: United States, 2001–2009, and preliminary 2010–2011

NOTES: EMR/EHR is electronic medical record/electronic health record. "Any EMR/EHR system" is a medical or health record system that is all or partially electronic (excluding systems solely for billing). Data for 2001–2007 are from the in-person National Ambulatory Medical Care Survey (NAMCS). Data for 2006–2009 are from combined files (in-person NAMCS and mail survey). Data for 2010–2011 are preliminary estimates (dashed lines) based on the mail survey only. Estimates through 2009 include additional physicians sampled from community health centers. Estimates of basic systems prior to 2006 could not be computed because some items were not collected in the survey. Data include nonfederal, office-based physicians and exclude radiologists, anesthesiologists, and pathologists.
SOURCE: CDC/NCHS, National Ambulatory Medical Care Survey.

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Link between EMR Adoption and Quality

National Practice Guidelines → Evidence Based Guidelines

Research

EMR Decision Support Prompts

Aggregate Level Quality Reporting

Patient Care

Reporting

Clinical Screens Capture Data

EMR Clinical Screens

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Clinical Content Development

- **Benefit**
  - Directly address CHC needs that affect us all
  - Structured, standardized data mapping for reporting needs
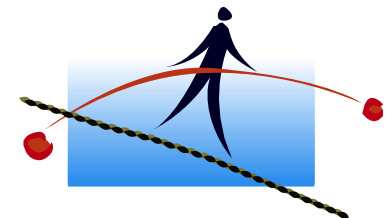
- **Challenge**
  - Consistently meeting the needs across all Alliance Health Centers
  - Keeping up with the volume of requests for clinical content development

ALLIANCE
Community

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Community Health Services, L3C

Alliance Clinical Content Development Process
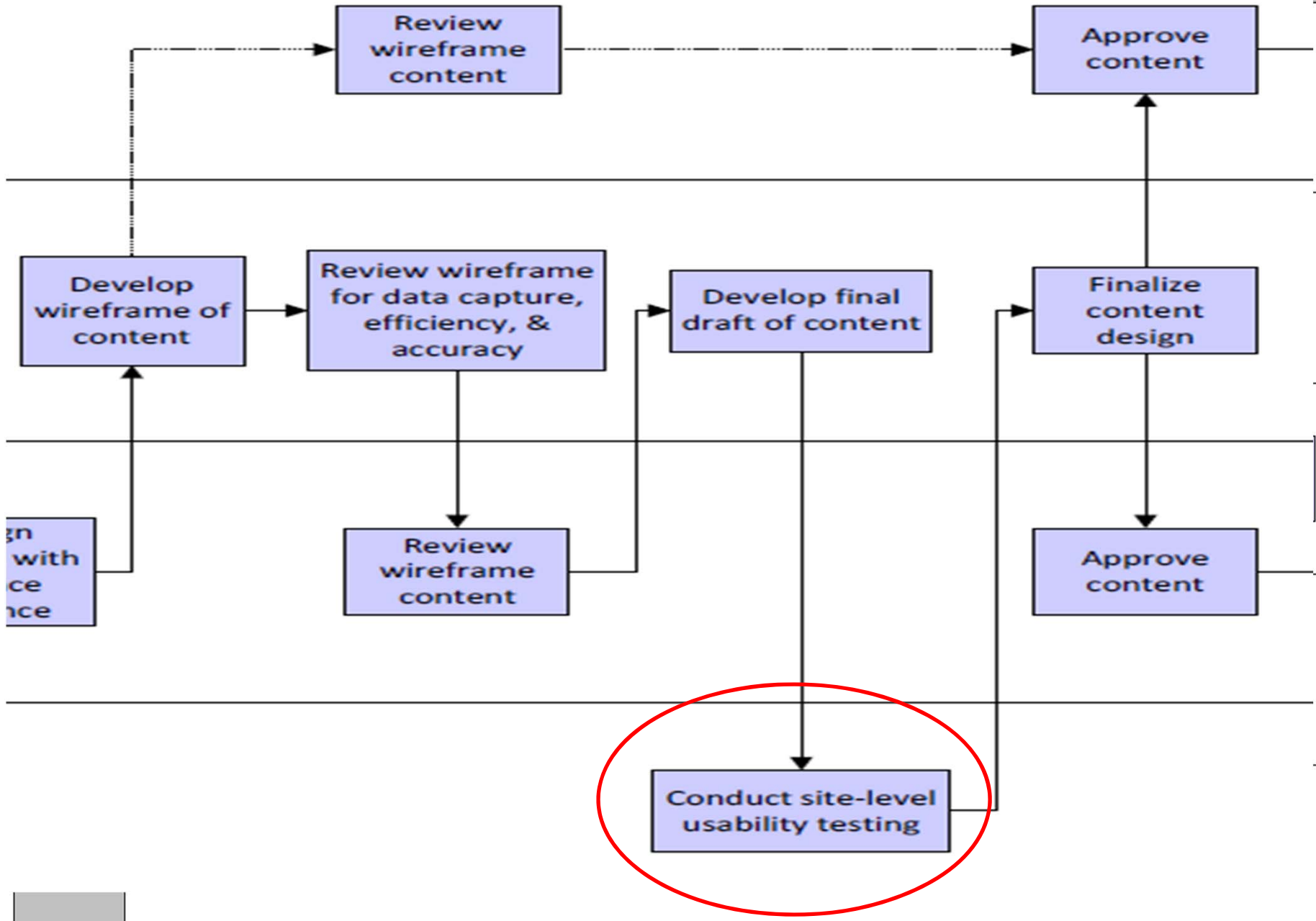
Overview of GLIDES Project

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Expected Outcomes

- Update EMR based CDS for Asthma Management to reflect most current NHLBI Guidelines

- Incorporate EPA standards related to collecting asthma trigger data and developing interventions, (eg, large scale education programs)

- Demonstrate the use of GLIDES based CDS Implementation Toolkit
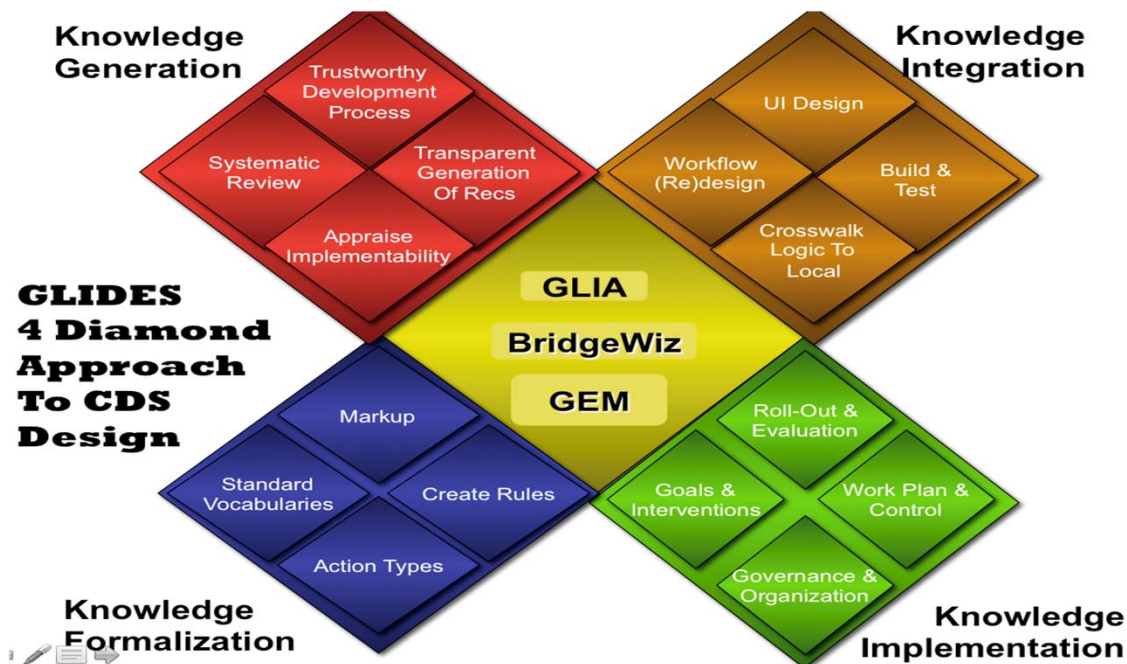
Phase 1: Building Revised Content

- Reviewed the Asthma CDS available from GLIDES

- Incorporated GLIDES CDS into Alliance Content

- Expanded GLIDES content to include EPA Standards for documenting and managing Asthma Triggers

- Key Deliverables:

  – Revised Asthma Content

  – Documentation of the lessons learned and key challenges associated with incorporating CDS developed "externally"

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Assessment of Asthma Severity
Pediatric

Adult Severity

Assessment of Asthma Control
Pediatric

Adult Control

Assessment of Triggers

Asthma Assessment

Asthma Medication Management

ASTHMA MEDICATION: Billy S. Pendergast

Problems
OTITIS MEDIA (ICD-382.9)

Medications

Allergies

Update Problems | Update Meds | Update Allergies

Selected Treatment Step : 3

Quick-Relief
Short acting B-2 agonist   PROVENTIL 90 MCG/ACT AERS   NEW ORDER   REFILL

Long Term Control
Preferred
1. Medium-dose inhaled steroid   NEW ORDER   REFILL

FLOVENT 110 1 puff BID
PULMICORT 0.5 MG/2ML SUSP
QVAR 40 2 puffs BID
QVAR 80 2 puffs BID

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Asthma Action Plan

Phase 2: Evaluating Results

- Conduct Usability Testing

- Incorporate SME Feedback into revised CDS

- Train Key Staff on New Asthma CDS

- Support implementation of New Asthma CDS

- Evaluate Clinician Adoption and Satisfaction with Revised CDS

Key Deliverables

- Documentation of Usability Testing Results

- Synthesize results of CDS Satisfaction survey and Adoption Measures

Thank You

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