



# AMGA's Anceta Collaborative Data Warehouse



*Presentation to the  
FDA Sentinel Network Public Meeting*

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*March 7, 2007  
Rockville, MD*

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 Nearly 300 Medical Groups -- 82,000 physicians -- 50 Million Patients -- 42 States**

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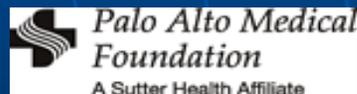
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# Distribution of AMGA Member Medical Groups



# AMGA's Anceta Collaborative Data Warehouse

## Data Warehouse Objectives

- **Access** to Medical Group's own administrative, ancillary, and clinical data in **standardized, analyzable format** for managing quality, cost and utilization
- **Comparative data** for analyses & benchmarking

*Practice Management*  
*Product Performance*  
*Economics*

*Clinical Performance*  
*Health Outcomes*  
*Quality of Care*

- **Treatment effectiveness & outcomes studies** to support evidence-based medicine and process improvement
- **Large, rich database** for health services research

# AMGA's Anceta Collaborative Data Warehouse

## Data Warehouse Objectives (continued)

- Standard tools to facilitate participation in **clinical trials/studies** (protocol modeling and id of patient cohorts)
- Standard tools to support and enhance the effectiveness of **disease management programs**
- Standard tools to support the establishment of **results-based performance measures** and **evidence-based guidelines** for accountability in healthcare
- To **identify redundancy and variation** in health care delivery which will **reduce the unit cost of care** over time
- Provide a **New Source of Health Care Information** to all Segments of the Health Care and Life Sciences Industries

# AMGA's Anceta Collaborative Data Warehouse

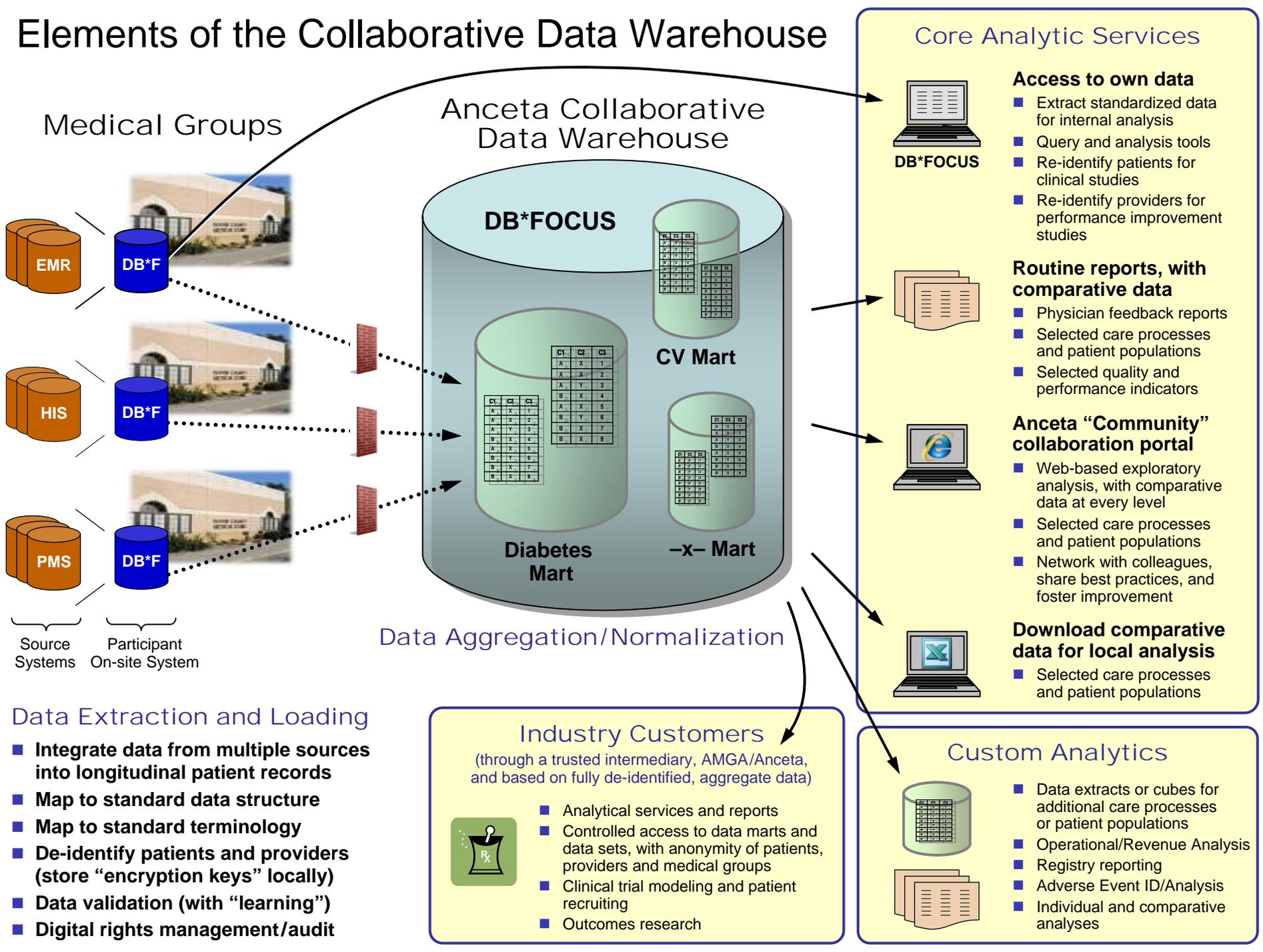
Enhanced by Relationships Among AMGA Multi-Specialty Members

- **Opportunity and AMGA Board Mandate to Collect, Aggregate & Analyze Comprehensive Patient Care Data**
- **Essence of Value:**
  - **Nature of Medical Group **coordinated care delivery system**:**
    - **Primary Care**
    - **Multi-specialty Care**
    - **In-patient Facilities (many own or affiliated w/ hospitals)**
    - **Laboratory Facilities (in-house and external)**
    - **Pharmacy (in-patient and out-patient)**
    - **Radiology**
  - **Patients Tend to Receive Care for Long Periods of Time (even though they may change health plans/payers)**
- **Early Adopters of Healthcare IT and New Technologies**
- **Depth, Scope and Longitudinal Nature of Data is Unique**
- **AMGA and Anceta viewed/acting as a **Trusted Intermediary****

# Development and Operation of the Anceta Collaborative Data Warehouse

- **Supported by Convergence CT's Flagship Product Suite – DB\*FOCUS™**
  - **Loads and transforms data** from a wide variety of sources (PMS, HIS, LIS, Rx, EMR and/or Data Repositories)
  - **Securely transports encrypted, normalized** data to a centralized data warehouse for aggregation and analysis
  - Data security features **protect identities of both patients and providers**, while tracking all activity
  - Each medical group has **access to and control** over their own patient/provider data

# Elements of the Collaborative Data Warehouse



## Data Extraction and Loading

- Integrate data from multiple sources into longitudinal patient records
- Map to standard data structure
- Map to standard terminology
- De-identify patients and providers (store "encryption keys" locally)
- Data validation (with "learning")
- Digital rights management/audit

# Current Status of the Collaborative Data Warehouse

- **Established Comprehensive, HIPAA Compliant Privacy Practices (patients, providers, Medical Groups), Business Associate and Data Use Agreements**
- **Medical Groups Executed Common Business Associate and Data Use Agreements**
- **Consensus on Core Reporting Requirements for Medical Groups**
- **First 9 Participants, in process, loading 3-4 years of data w/ regular updates (Phase I)**
- **Now aggregating data among first 5 Participants**
- **Starting Analysis/Reporting of Individual and Aggregated Data**
- **Currently selecting Phase II Participants (18 -24)**

# Characteristics of Phase I Data Warehouse Participants

## First Nine Medical Groups (Phase I)

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**# Active Patients**                      **4.2 Million**

**# Physicians**                              **3,953**

**# Facilities**                                **224**

**# Hospitals**                                **24**

- *Includes a mix of IDN's, Large and Medium Medical Groups*
- *All have adopted EMRs: > 3-7 years.*
- *All are experienced in clinical research/trials*
- *Medical Group Enrollment Rate: First 10 in first year; 10 - 20 Groups/year, thereafter*

# AMGA's Anceta Collaborative Data Warehouse

***Thank You!***

**For More Information Please Contact**

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