

The Medical Quality Improvement Consortium (MQIC)

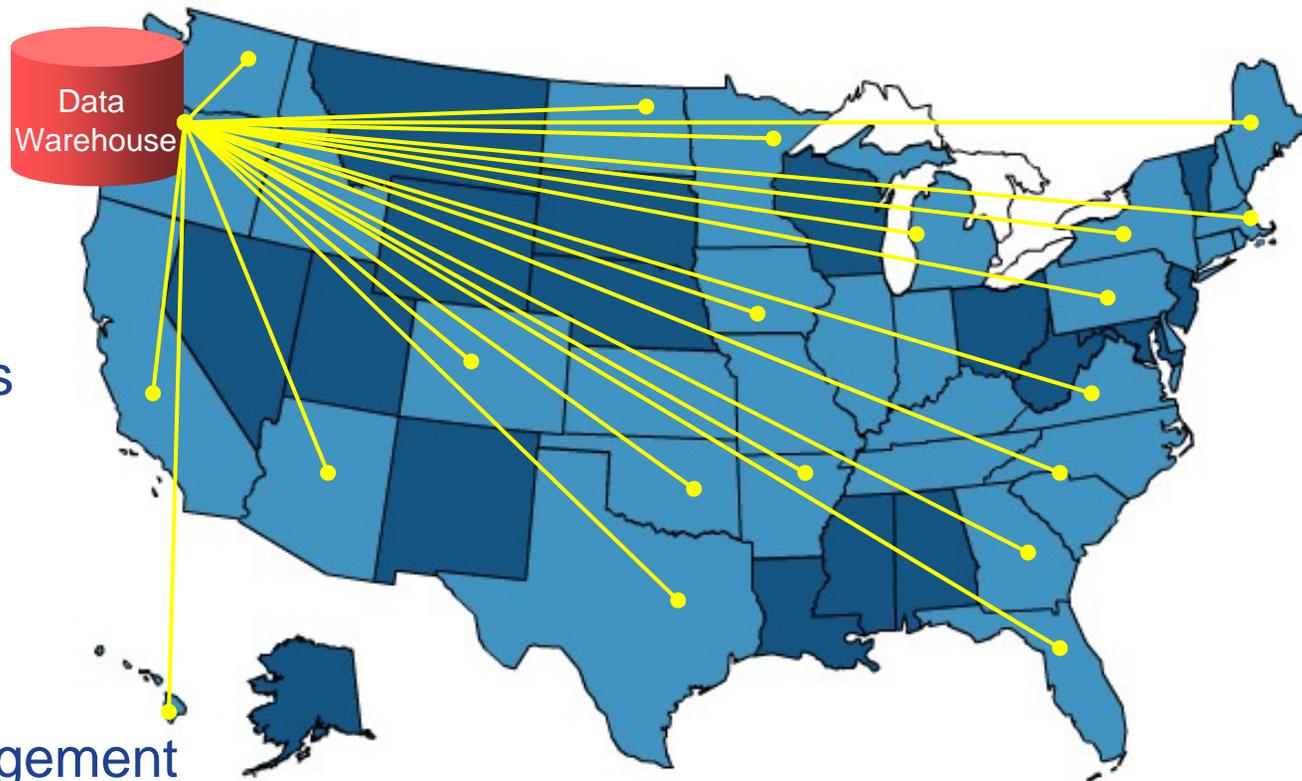
An Example of a Nationwide Clinical Data Aggregation System

Michael Lieberman, MD, MS
March 7, 2007



imagination at work

Medical Quality Improvement Consortium



Centricity EMR Users

Use data to improve patient care

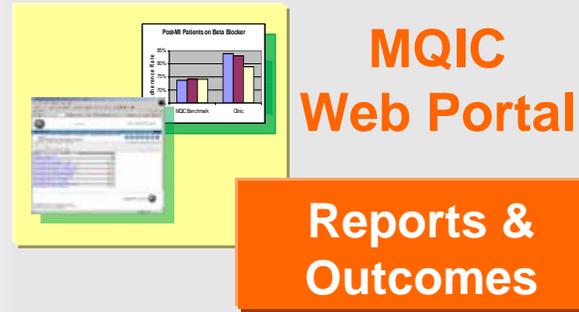
Strengthen clinical reporting

- Disease management
- Quality of care

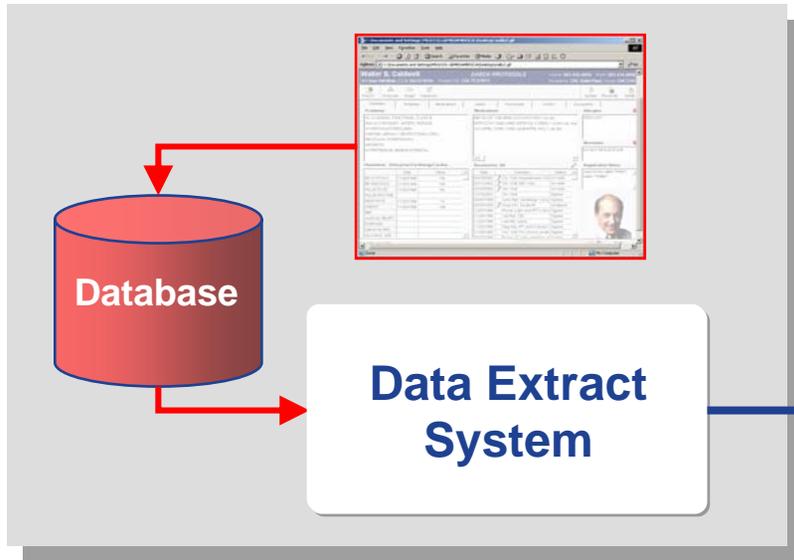
Free service

MQIC Components

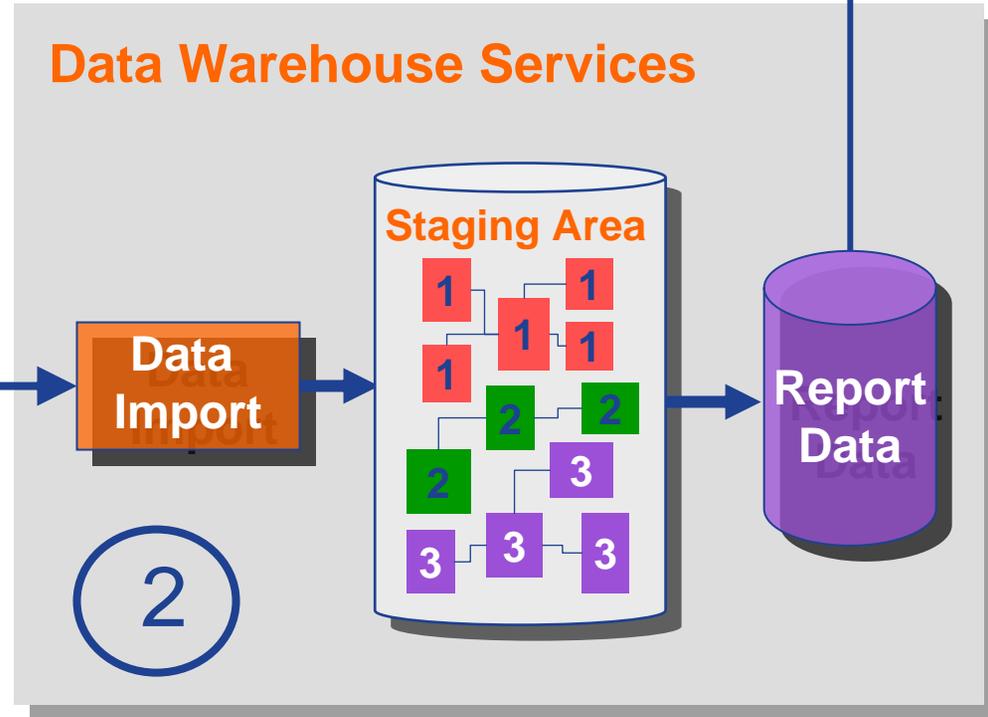
3



Centricity® Physician Office EMR



1



Data Security

HIPAA-compliant

Remove patient-identifying information

- Name, SSN, Phone, Address
- Zip code to 3 digits only
- DOB --> Age
- PID --> transformed to EPID

Only EMR customers can re-identify individuals

Information Collected

Go Actions Options Help

Desktop Chart Appts Reg Reports LinkLogic New View Print Help EXIT

Walter S. Caldwell
62 Year Male (DOB: 03/02/1944)

CHECK PROTOCOLS
Patient ID: 234-TEST011

Home: 503-555-6054 Work: 503-434-0090
Insurance: CHC (Gold Plan) Group: CHC2342

Find Pt. Protocols Graph Handouts Update Phone Nt. Refills

Summary Problems Medications Alerts Flowsheet Orders Documents

Problems

ESOPHAGEAL REFLUX DISEASE, MILD
HYPERTENSION
ANGINA, FUNCTIONAL CLASS III
Risk of CORONARY ARTERY DISEASE
HYPERCHOLESTEROLEMIA
PROSTATIC HYPERTROPHY
ARTHRITIS

Medications

NITROSTAT SUB 0.4MG (NITROGLYCERIN) 1 sl prn c/p, ma
LOPRESSOR 50 MG TABS (METOPROLOL TARTRATE) 1po
NEXIUM 20 MG CPDR (ESOMEPRAZOLE MAGNESIUM) 1 po

Allergies

PERCOCET

Directives

DO NOT RESUSCITATE

Registration Notes

Likes to be called "Wally", hates "Walter"

Flowsheet: Enterprise/Cardiology/Cardiac

| | Date | Value |
|--------------|------------|--------------------------|
| BP SYSTOLIC | 07/26/2006 | 130 |
| BP DIASTOLIC | 07/26/2006 | 60 |
| PULSE RATE | 06/14/2006 | 70 |
| PULSE RHYTHM | 06/08/2006 | regular |
| RESP RATE | 06/08/2006 | 12 |
| WEIGHT | 07/26/2006 | 200 |
| BMI | | |
| AUSCUL HEART | 06/08/2006 | S1, S2, no murmur, ru... |
| EXERCISE | 06/14/2006 | 2 |
| SMOK HX PPD | 07/26/2006 | 2 |
| ALCOHOL USE | 08/17/2006 | <1 |
| SODIUM | 10/18/2001 | 141 |

Documents: All

| Date | Summary | Status |
|------------|--------------------------|----------|
| 08/17/2006 | Ofc Visit | Signed |
| 08/11/2006 | Ofc Visit | Signed |
| 07/26/2006 | Ofc Visit | Signed |
| 07/26/2006 | Ofc Visit | Signed |
| 06/15/2006 | Ofc Visit | Signed |
| 06/14/2006 | Ofc Visit | Signed - |
| 06/08/2006 | Ofc Visit | Signed |
| 05/30/2006 | Ofc Visit | Signed |
| 02/23/2004 | Cons Rpt: Cardiology Cor | Signed |
| 02/17/2004 | Heep DC: Auto ML | Unsigned |

For Help, press F1



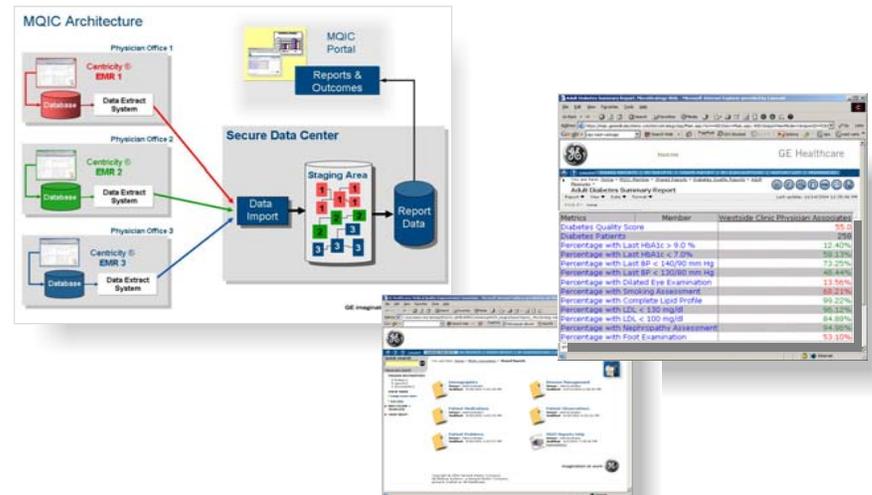
MQIC Statistics – January 2007

Over 100 members

Over 6 million patients

~ 6000 physician

2/3 Primary Care



Considerations

Representativeness

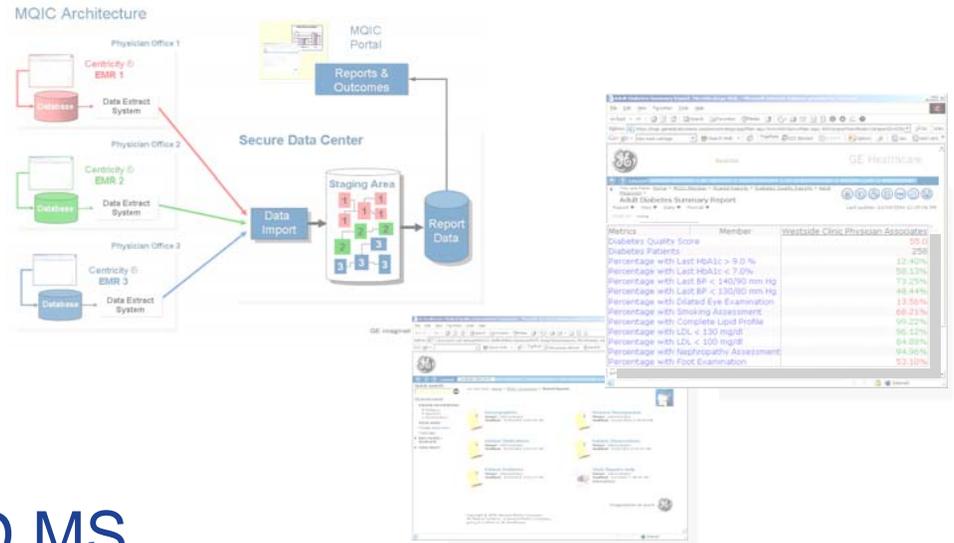
- Demographics
- Insurance

Ability to combine with other data sets

Ability to gather additional information

- Prospectively and retrospectively

Questions or Comments?



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