

ACO = HIE + Analytics

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BIDPO QDC Project

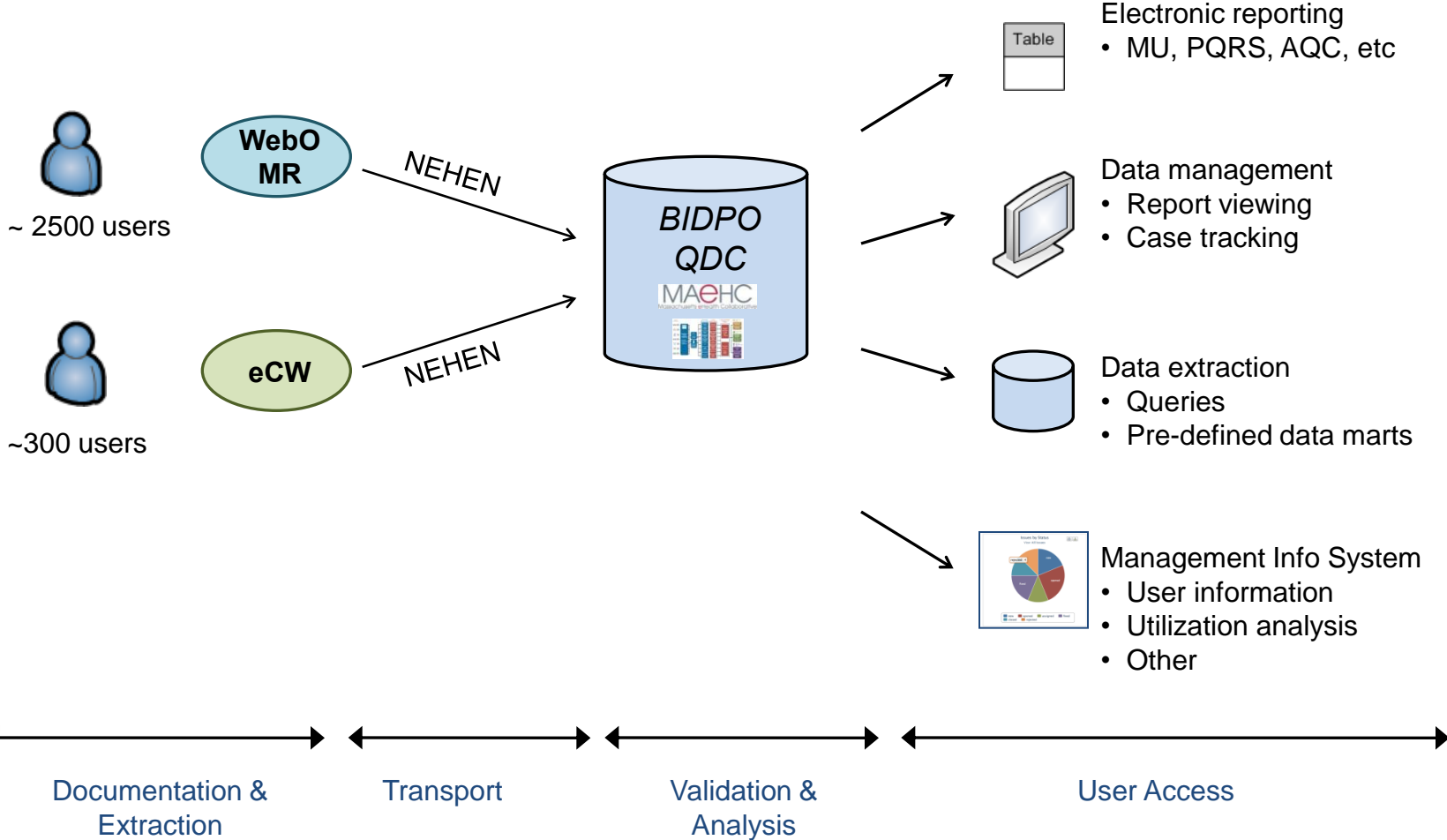
BIDPO/BIDMC engaged MAeHC to provide a quality data warehouse service to:

- **Enable automated extraction and aggregation of selected clinical data from member physicians' eCW and WebOMR EHR systems**
- **Develop selected clinical quality measures for BIDPO internal benchmarking, case management, and reporting to commercial and government health plans**

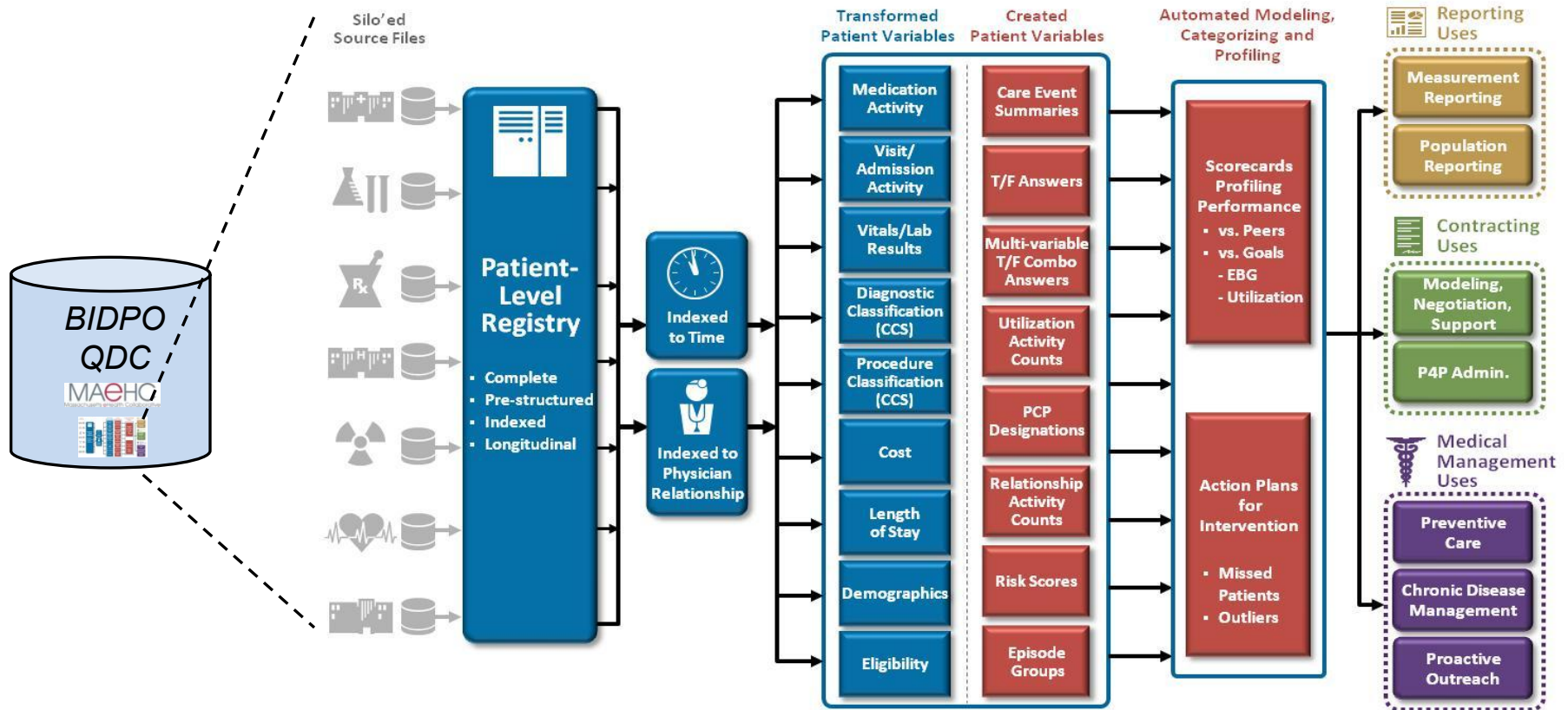
BID QDC Enhancements:

- **Automated extraction of clinical data from live eCW and WebOMR practices**
- **Calculation and reporting of measures required by health plans, including BCBSMA (AQC) and CMS (Meaningful Use and PQRS)**
- **Implemented HHS approved HITSP standard C32 Continuity of Care Document (CCD) as the vehicle for data exchanged(i.e. the payload).**
- **Using national vocabulary standards**
- **CCDs are transmitted via the NEHEN Clinical Data Exchange**
- **Using Patient Identifiable data**
- **Richer data set (includes payer information)**

BIDPO QDC



Patient-Level Information Assets



BIDPO QDC Measures

Measure sets:

- **35 Contract Incentive Measures**
- **44 NQF Meaningful Use Measures**
- **24 PQRS Measures**
- **31 Pioneer ACO Measures**

Substantial overlap in terms of intent between measures developed for BIDPO QDC, those required for the PQRI program, and those required for Meaningful Use.

QDC was a qualified registry for the CMS 2010 PQRS program

- **We submitted PQRI reports on behalf of 319 BIDMC Providers**

QDC is a qualified registry for the 2011 CMS PQRS program; we're authorized to report on 24 selected measures.

QDC is expected to be ONC-ATCB (CCHIT) certified as a modular EHR for Eligible Providers for all 44 MU Stage 1 measures by the end of this month.

Extract of Provider Measure Scorecard

Scorecard: Measure Results				
Measures				
	Population	Numerator	Rate	Missed
A1C testing - DM				
Adolescent Well-Care Visits (AWC)				
Antidepressant Medication Mgmt (AMM) - Effective Acute Phase Treatment				
Antidepressant Medication Mgmt (AMM) - Effective Continuation Phase Treatment				
Avoidance of Antibiotic Treatment for Adults With Acute Bronchitis (AAB)				
Breast Cancer Screening (BCS)				
Cervical Cancer Screening (CCS)				
Chlamydia Screening in Women 21-24 (CHL)				
Cholesterol Management for Patients With Cardiovascular Conditions (CMC) - LDL-C Control				
Cholesterol Management for Patients With Cardiovascular Conditions (CMC) - LDL-C Screening				
Colorectal Cancer Screening (COL)				
Comprehensive Adult Diabetes Care (CDC) - Blood Pressure Control				
Comprehensive Adult Diabetes Care (CDC) - Eye Exam (Retinal) Performed				
Comprehensive Adult Diabetes Care (CDC) - HbA1c Poor Control (>9.0%)				
Comprehensive Adult Diabetes Care (CDC) - Hemoglobin A1c (HbA1c) Testing				
Comprehensive Adult Diabetes Care (CDC) - LDL-C Control				
Comprehensive Adult Diabetes Care (CDC) - LDL-C Screening Performed				
Comprehensive Adult Diabetes Care (CDC) - Medical Attention for Nephropathy				
Comprehensive Ischemic Vascular Disease Care (IVD) - Use of Aspirin or Another Antithrombotic				
Controlling High Blood Pressure (CBP)				
Use of Appropriate Medications for People With Asthma (12-50) (ASM)				

Extract of Provider Measure Scorecard – Organized by Payer

Scorecard: Measure Results by Payer				
Aetna				
Measure	Population	Numerator	Rate	Missed
Cervical Cancer Screening (CCS)				
Controlling High Blood Pressure (CBP)				
Blue Cross				
Measure	Population	Numerator	Rate	Missed
A1C testing - DM				
Adolescent Well-Care Visits (AWC)				
Breast Cancer Screening (BCS)				
Cervical Cancer Screening (CCS)				
Colorectal Cancer Screening (COL)				
Comprehensive Adult Diabetes Care (CDC) - Blood Pressure Control				
Comprehensive Adult Diabetes Care (CDC) - Eye Exam (Retinal) Performed				
Comprehensive Adult Diabetes Care (CDC) - HbA1c Poor Control (>9.0%)				
Comprehensive Adult Diabetes Care (CDC) - Hemoglobin A1c (HbA1c) Testing				
Comprehensive Adult Diabetes Care (CDC) - LDL-C Control				
Comprehensive Adult Diabetes Care (CDC) - LDL-C Screening Performed				
Comprehensive Adult Diabetes Care (CDC) - Medical Attention for Nephropathy				
Controlling High Blood Pressure (CBP)				
Cigna				
Measure	Population	Numerator	Rate	Missed
Cervical Cancer Screening (CCS)				
Harvard Pilgrim				
Measure	Population	Numerator	Rate	Missed
A1C testing - DM				
Avoidance of Antibiotic Treatment for Adults With Acute Bronchitis (AAB)				
Breast Cancer Screening (BCS)				
Cervical Cancer Screening (CCS)				

Extract of Provider Panel Profile by Payer & Plan

Panel: Profile by Network							
Payers							
	Patients	%	Visits	Diagnoses	Procedures	Medications	Results
Aetna Health Inc.							
Blue Cross Blue Shield of MA							
Cigna Healthcare Of Massachusetts, Inc.							
Harvard Pilgrim Health Care, Inc.							
MassHealth							
Medicare							
Neighborhood Health Plan							
Other Insurer							
Tufts HealthPlan							
United Healthcare							
Totals							
Aetna							
	Patients	%	Visits	Diagnoses	Procedures	Medications	Results
AETNA PPO							
Totals							
Blue Cross							
	Patients	%	Visits	Diagnoses	Procedures	Medications	Results
ACCESS BLUE							
HMO BLUE/NETWORK BL/BLUE CHOICE							
BLUE CARE ELECT EAST							
MASTER MED/MEDICAL SECURITY/MGD MAJOR MED							
FEDERAL EMPLOYEE PPO							
MEDICARE ADVANTAGE HMO BLUE							
Totals							
Cigna							
	Patients	%	Visits	Diagnoses	Procedures	Medications	Results
CIGNA PPO							
Totals							

Current status of BIDPO QDC Project

# Documents Rcvd (Care Events)	# Patients	# Providers
1,725,116	191,343	2506

- QDC went "live" with the Production NEHEN CDX gateway on September 6th
- We've securely received 69,067 production "test" documents sent by BIDMC via the gateway (to test throughputs and error rates), which translate to nearly 5 GB of patient data.
- Completing eHX "lite" deployment in Q4 at which time we will receive identically specified CCDs from all eCW users through NEHEN CDX gateway

Questions?

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<http://geekdoctor.blogspot.com>