

BIDPO Quality Data Warehouse

September 13, 2011



BIDPO QDC Project

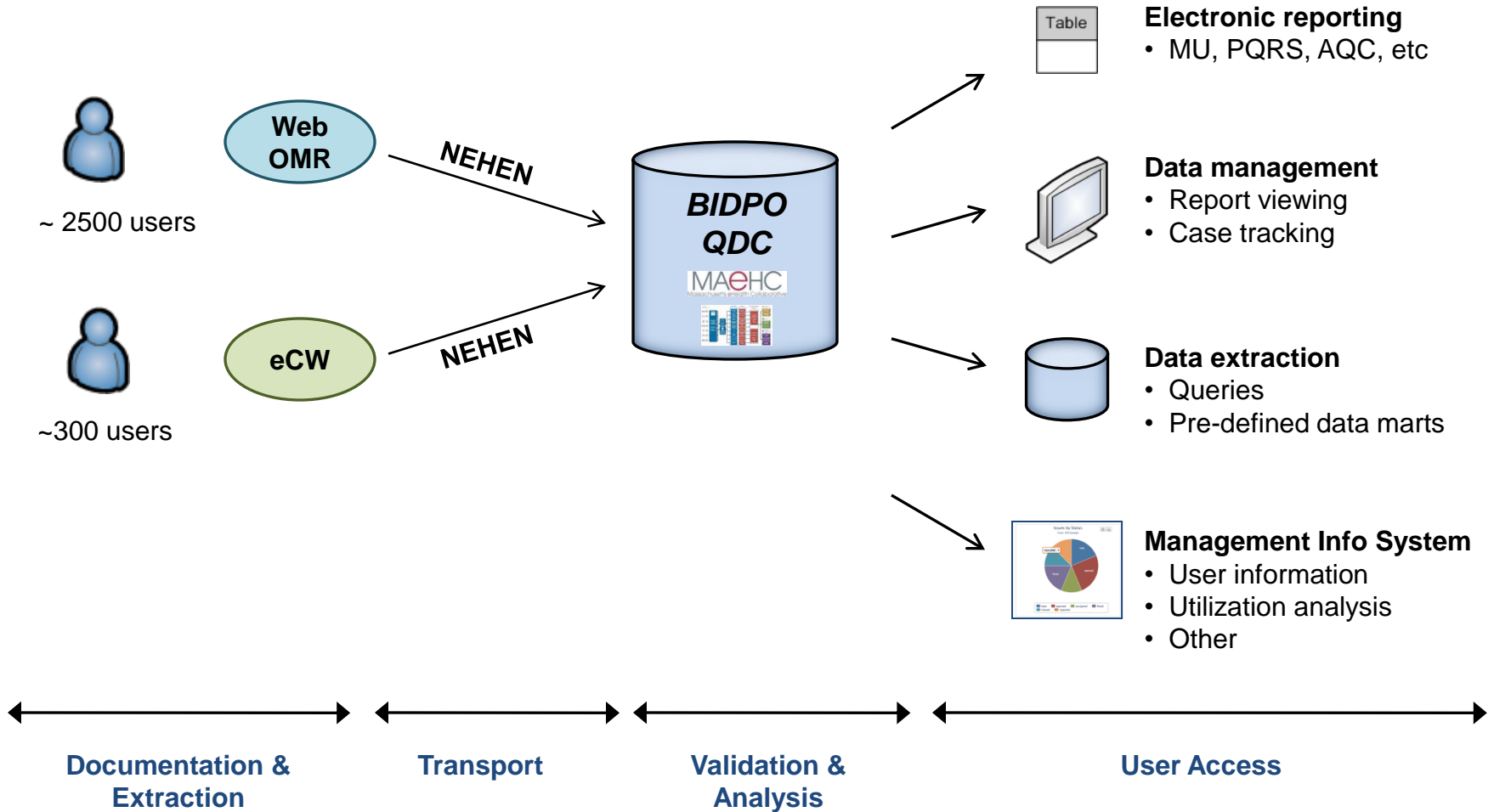
BIDPO/BIDMC engaged MAeHC to provide a quality data warehouse service to:

- 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

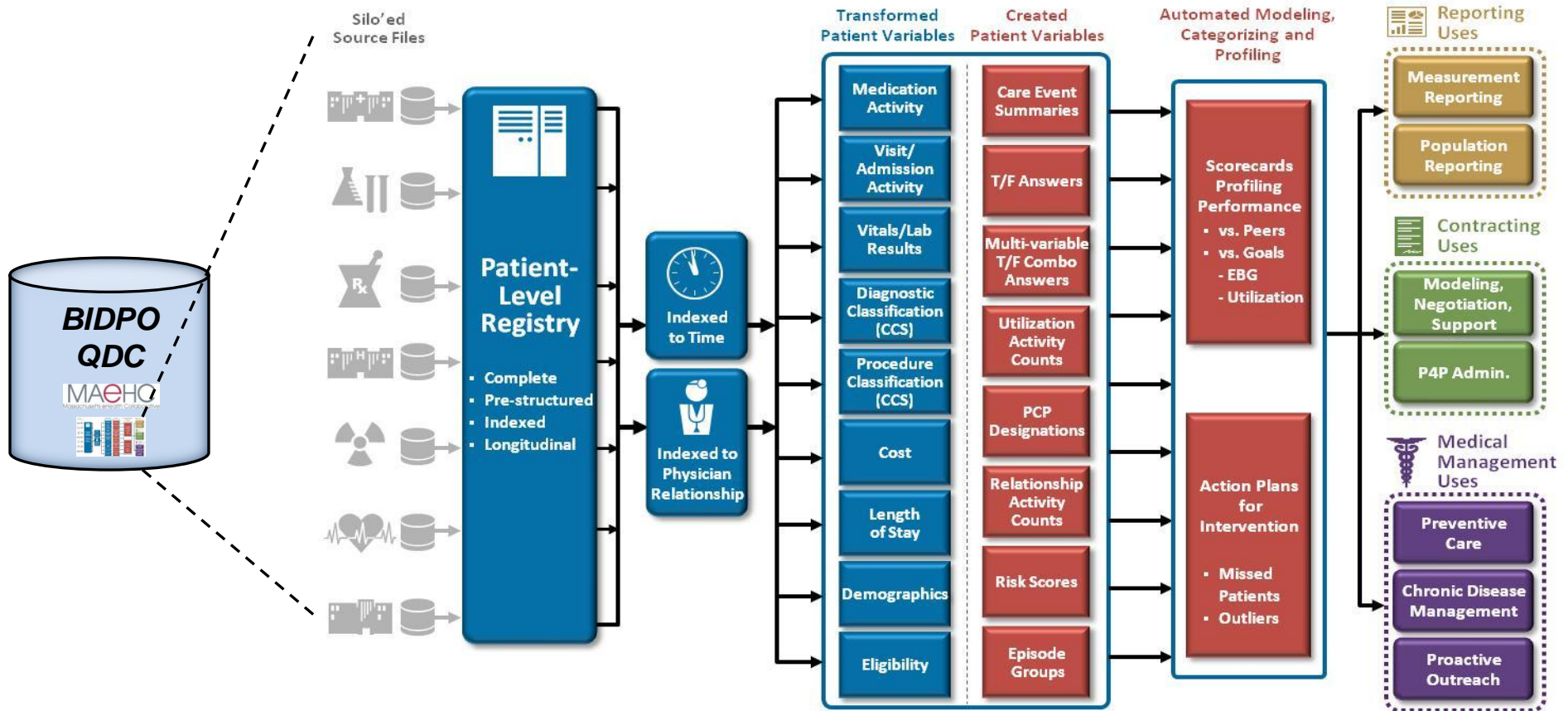
BID QDC Enhancements:

- 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)

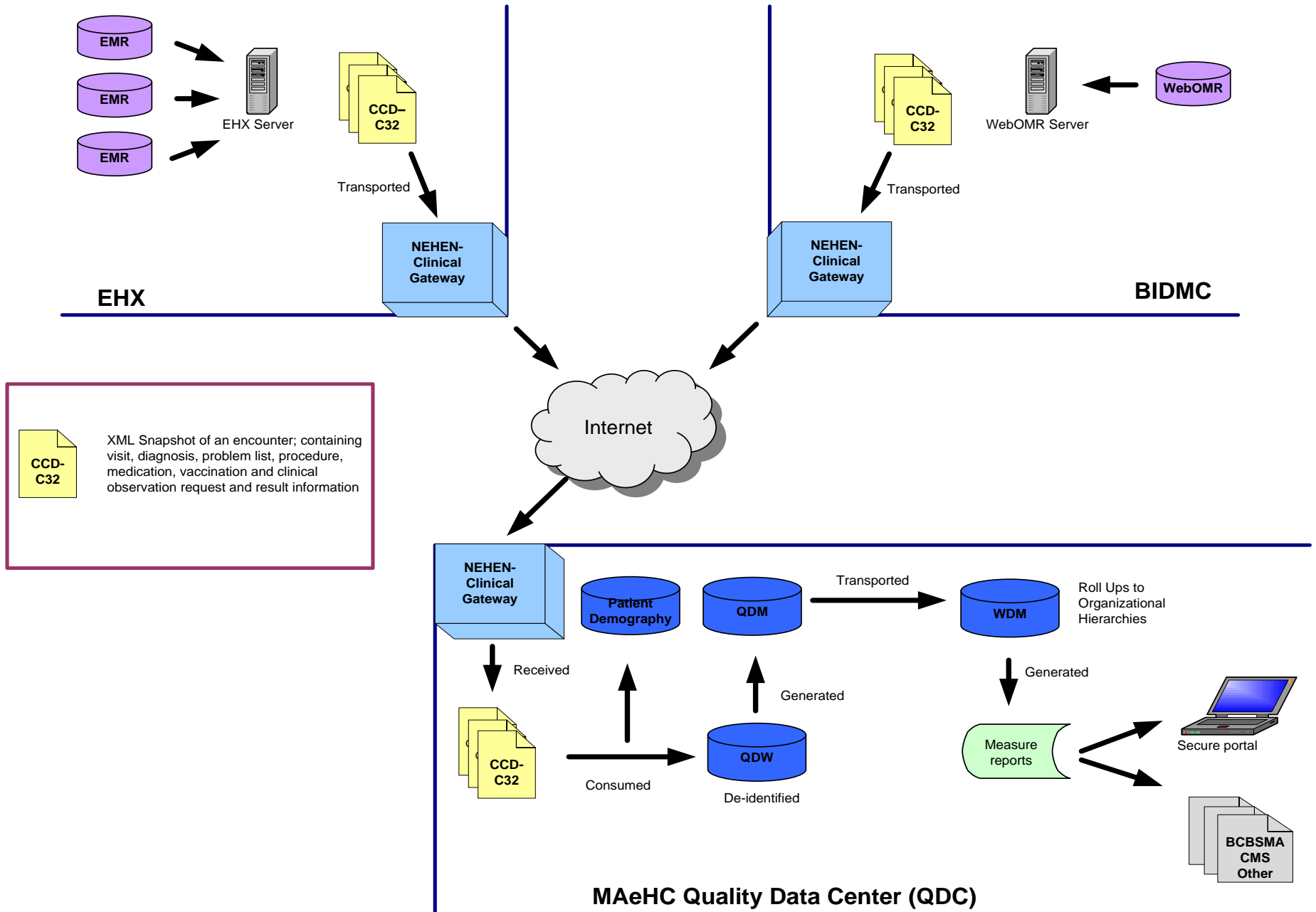
BIDPO QDC



Patient-Level Information Assets



BIDPO QDC System Design



BIDPO QDC Measures

Measure sets:

- 35 Contract Incentive Measures
- 44 NQF Meaningful Use Measures
- 24 PQRS 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 currently completing qualification for the 2011 CMS PQRS program

QDC is currently completing submission for ATCB (CCHIT)-certification for all 44 MU Stage 1 measures

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)					

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 14,500 production "test" documents sent by BIDMC via the gateway (to test throughputs and error rates), which translate to approximately 1 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