

Montefiore

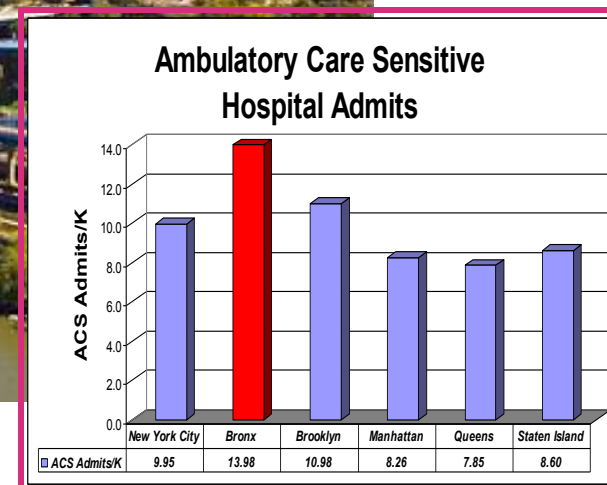
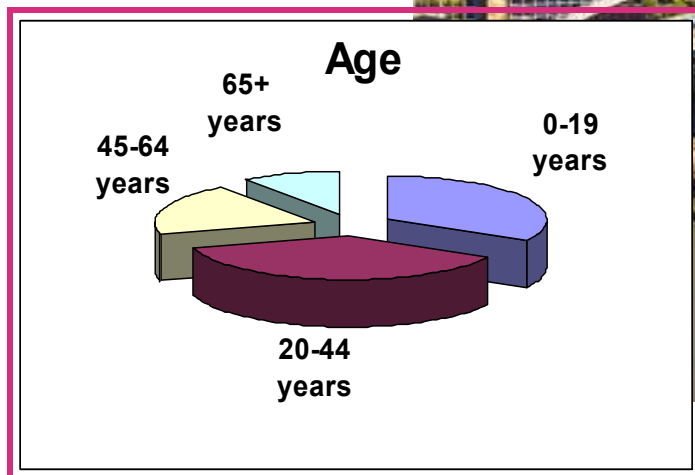
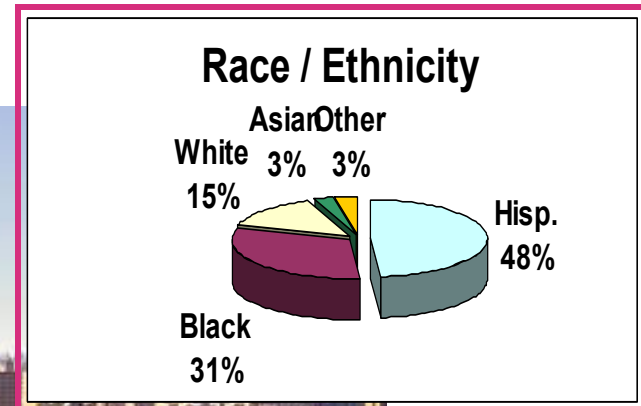
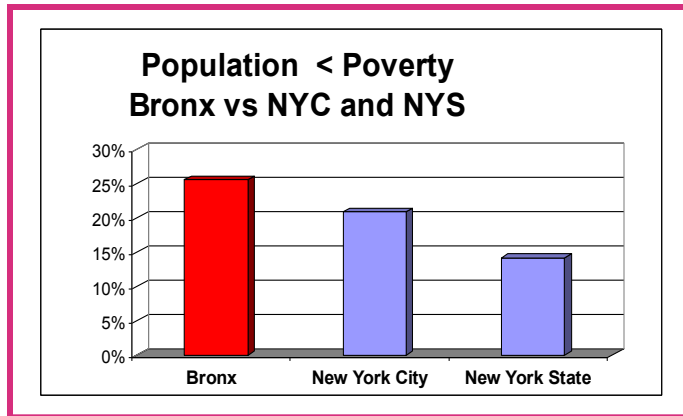
Aligning Health IT with Delivery System Reform: Technology Gaps in Coordinating Patient Care

Peggi M. Czinger MPH
Director, Network Care Management COE
The Care Management Company of Montefiore



The Bronx:

Poor, Minority, Young, Heavy Disease Burden





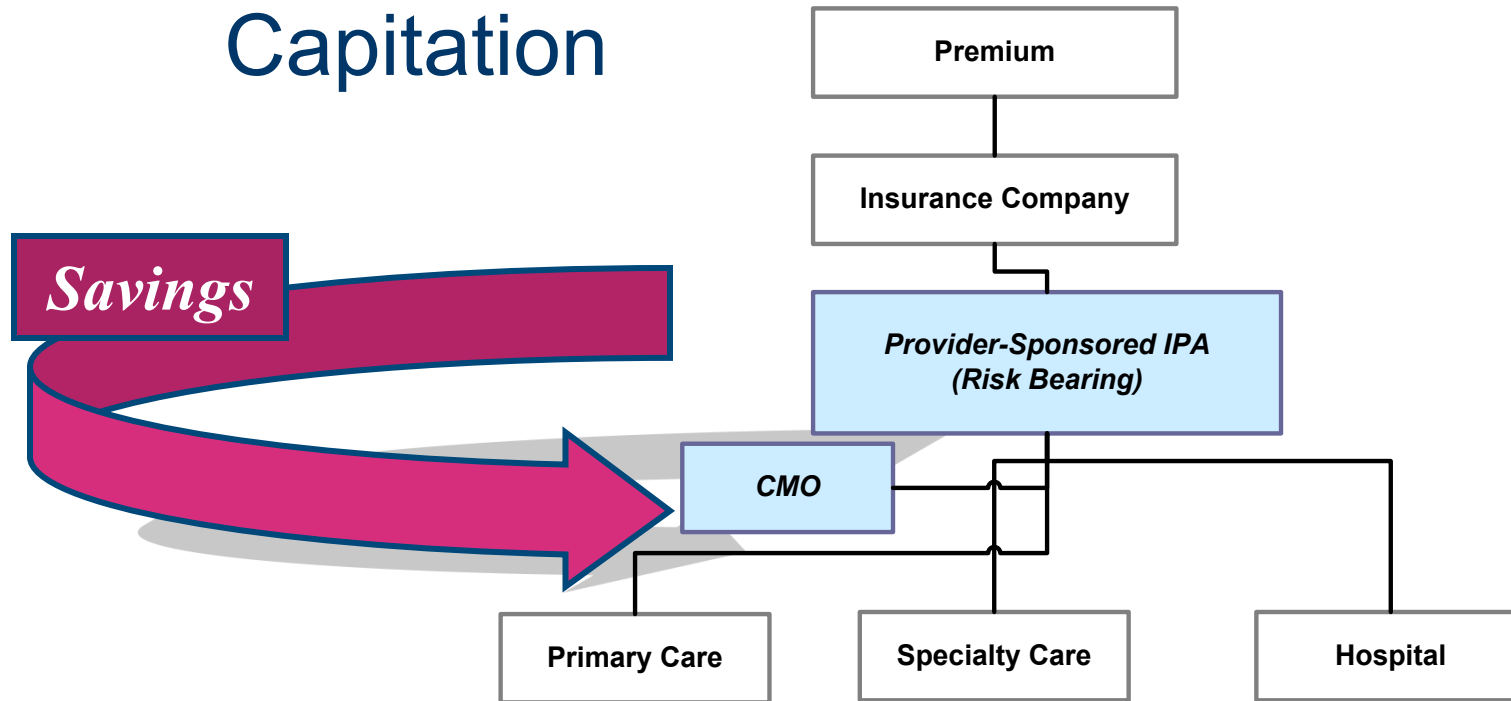
Montefiore Integrated Delivery System

- Inpatient Care – Over 93,000 admissions including 7,000 births
 - Three general hospitals
 - Children’s hospital
 - 1,500 beds
- Ambulatory Care – 2.5 million visits/year
 - 23 community primary care centers (>1 million visits)
 - 16 school health centers (52,000 visits)
 - 7 mobile healthcare units (11,000 visits)
 - 3 major specialty care centers (> 1 million visits)
 - 2 special care units (Child Advocacy Center; Lead Poisoning Prevention)
 - 4 emergency departments (301,000 emergency visits)
- Post-acute care
 - Home care agency- 500,000 visits
 - Rehabilitation
- Geographic concentration
 - 90% of Montefiore’s patients from Bronx or Westchester



Experience with Capitation or Prepayment

Risk Transfer Arrangements



- Capitation Payments to IPA
- Savings → Delivery System



Montefiore IPA and CMO

Montefiore IPA

- Formed in 1995
- MD/ Hospital Partnership
- Contracts with managed care organizations to **accept and manage risk**
- Over 1,900 physician members
 - 500 PCPs
 - 1,400 Specialists

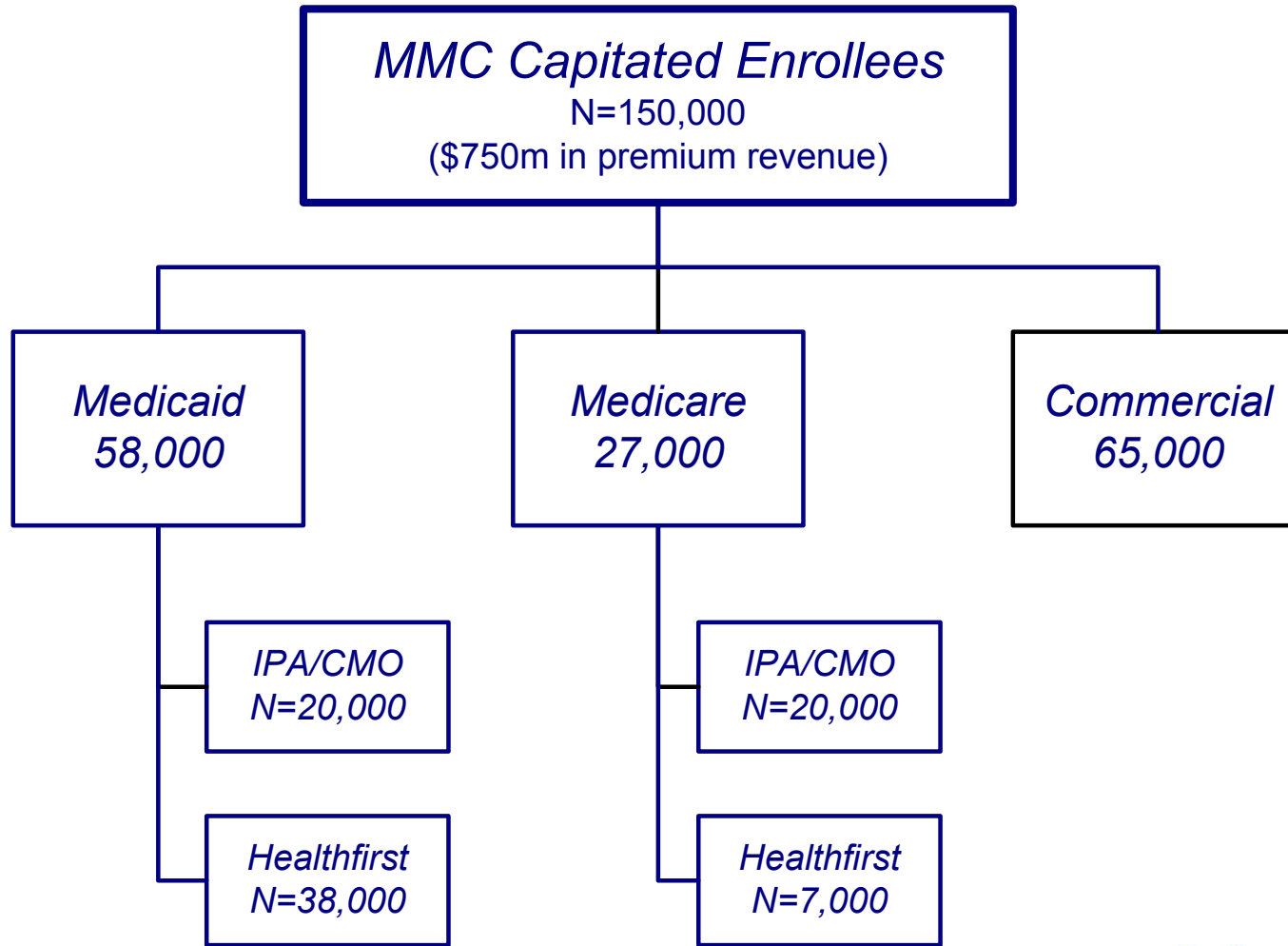
CMO

Care Management Company

- Established in 1996
- Wholly-owned subsidiary of Montefiore Medical Center
- Performs **care management** delegated by health plans as well as other administrative functions, e.g. claims payment, credentialing
- Licensed UR agent and certified claims adjustors

Managing Care

MMC's Capitation Contracts Serve Our Community





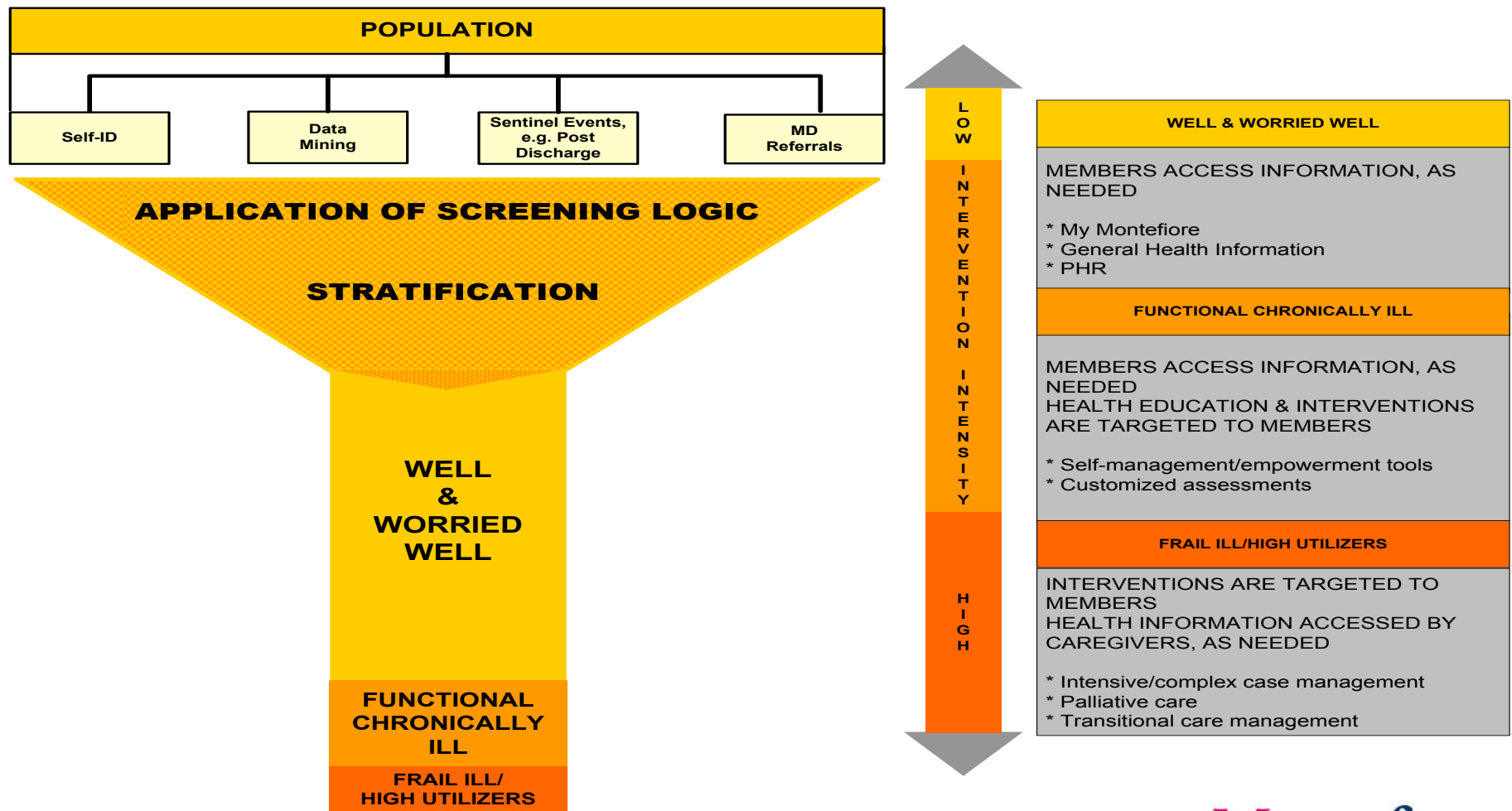
Opportunities for Montefiore Under Health Care Reform



Opportunity: The Bronx is an excellent location to test a model of innovative population health management

- Per capita medical expenditures 20% higher than US
- 80% of expense paid by Medicare and Medicaid
- 8% of population accounts for 50% of expense
- 33% of population below poverty level
- High incidence of chronic illness
- Partnerships with Einstein and Bronx RHIO
- Willingness of payers and providers to collaborate

Population Health Management Strategy





CMO Care Coordination Health IT Vision



The Health IT Marketplace for ACOs: *Current State*

- Primary focus of Health IT for ACOs
 - Data communication and integration among physician offices and hospitals
 - Clinical decision support tools for chronic diseases, e.g. Heart Failure and Diabetes
 - Patient Registries
 - Predictive Modeling
 - Embedded clinical guidelines



The Health IT Marketplace for ACOs: *What's Missing?*

- Psychosocial issues are often the underlying cause of poor health outcomes or preventable utilization in the chronically ill and/or elderly
- Coordinating the care of the chronically ill in vulnerable populations must extend beyond the walls of physician offices and hospitals/other institutions and into the community
- Practicing physicians, even within a PCMH, can find coordinating all relevant aspects of care to be onerous



The Health IT Marketplace for ACOs: *What's Needed*

- Care coordination is time and resource intensive – often resulting in poor execution
- Coordination activities must be linked electronically so that providers can work in tandem with Care Managers and/or community agencies to support the complex needs of these populations
- Care coordination processes and systems must incorporate patient/caregiver input and engage them in care planning
- It must seamlessly allow for both *centralized* care coordination, as well as *locally* at provider sites or community agencies, involving patients and caregivers - *servicing the population where they live*
- Technology is a key mechanism whereby health care reform mandates can be administered more efficiently/effectively with ROI



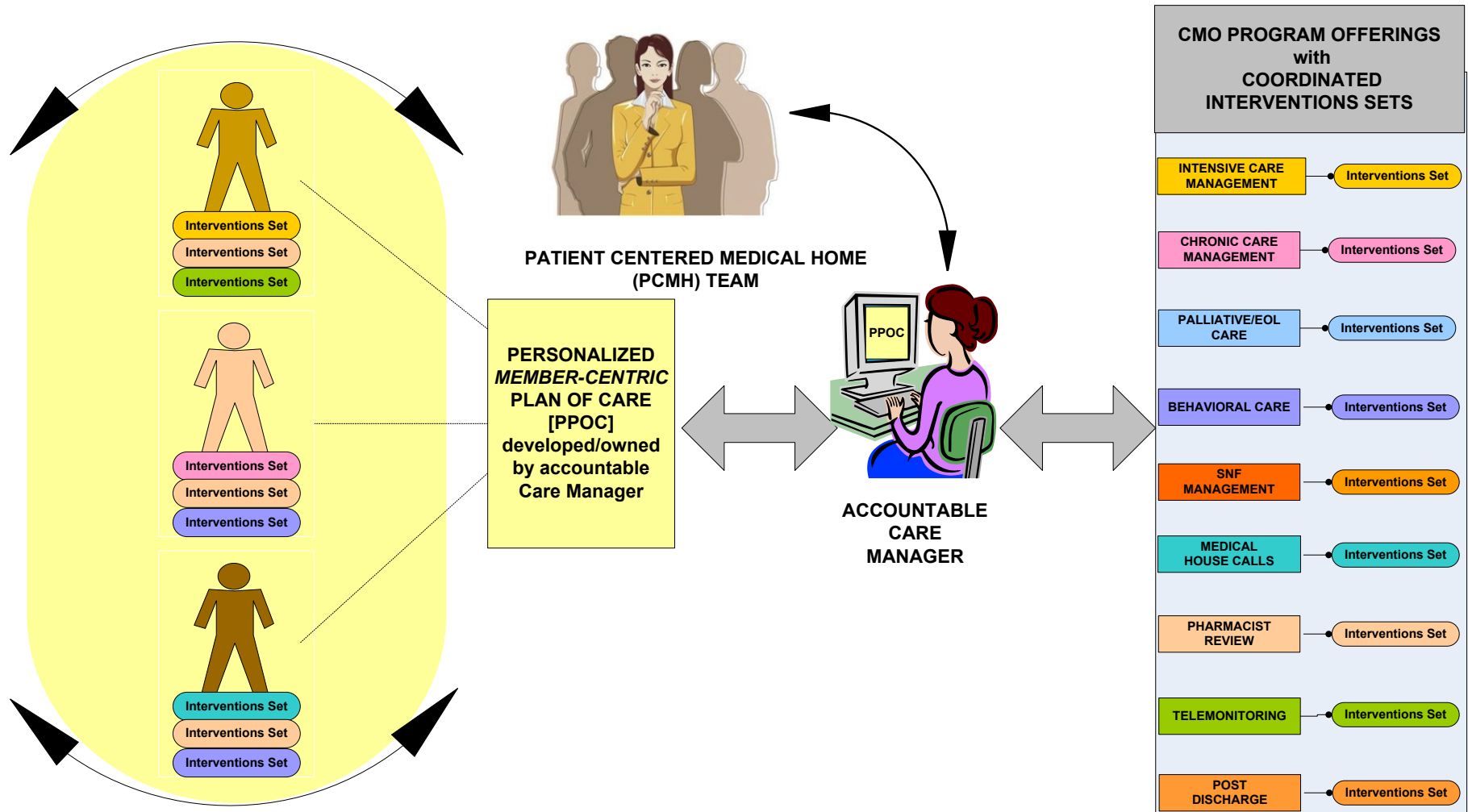
Care GuidanceSM:
CMO Care Coordination Model



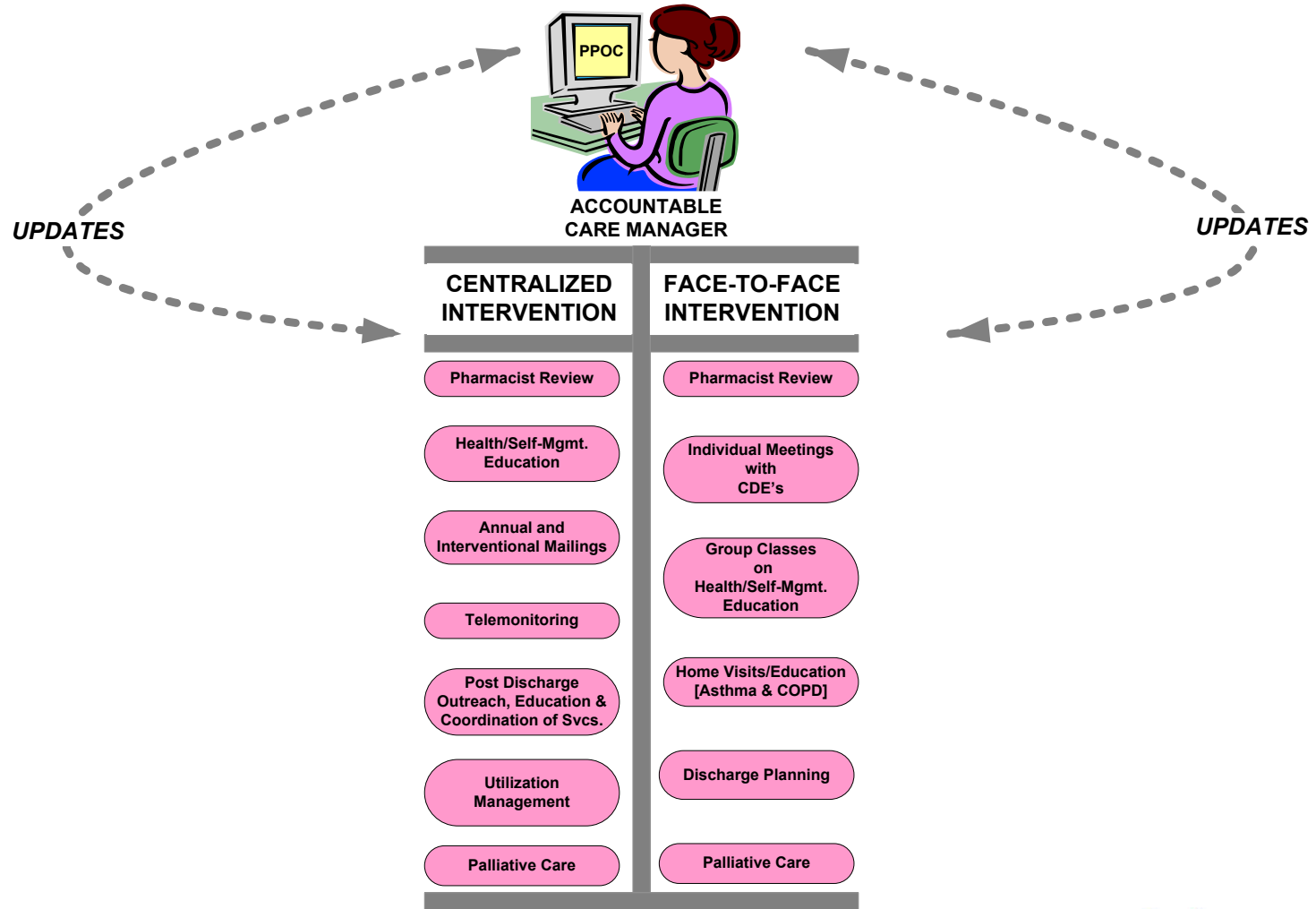
Unique Care Management Model: Care GuidanceSM

- Structured member data, collected through assessment tools, generate predetermined Problem-sets by Domains
- Data architecture links Problems to appropriate/actionable Interventions options
 - Provides decision support to Care Managers
 - Personalized plans of care (**PPOC's**) are developed for each member based on Problems and selected Interventions
 - Interventions tasks can be routed to appropriate skill level, conserving costly clinical resources
 - Interventions are monitored to ensure completion, as well as quality

Care Guidance Interventions



Care Guidance Delivery

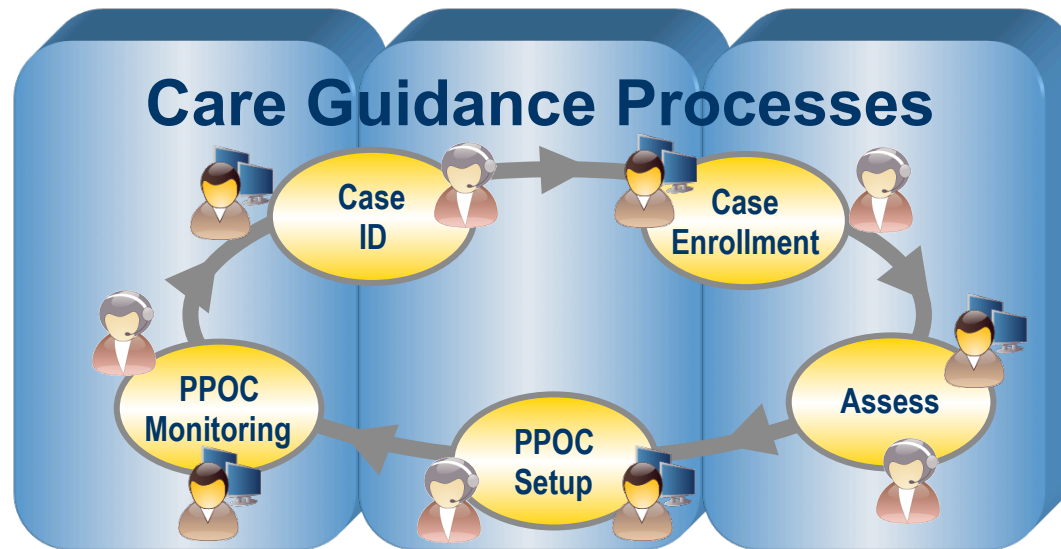




ACO Expansion Challenges

- The existing health technology infrastructure within the Care Management industry has resulted in
 - Business processes that are
 - Redundant
 - Siloed
 - Lacking standardization and structured data
 - Highly manual – little automation of workflow, and
 - Requires that staff access multiple user interfaces
 - Systems that
 - Are disparate and lacking data integration
 - Have multiple access points
 - Do not support standardized inter- and/or cross-organization workflows
 - Do not easily provide for patient/caregiver engagement

CMO Vision: Technology Infrastructure



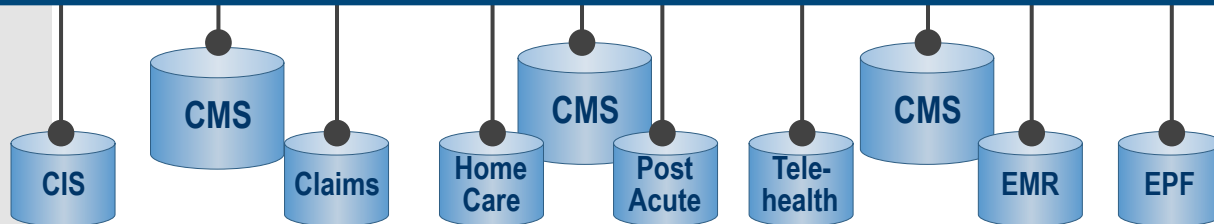
- Automated workflow management & monitoring
- Centralized process & rules technology platform
- Cross-application automation
- User interface and data integration

Automation Layer



KEY:

- CMS - Care Management System
- CIS - Clinical Information System
- EPF - Electronic Patient Folder





Health Care Industrialization

- Care Management systems must adopt BPM technology used in other business channels to “*industrialize*” the delivery of care across integrated health care networks, so that
 - High volumes of tasks to support patients and providers can be processed efficiently within networks, as well as routed to external agencies
 - Disparate systems operate with a centralized technology platform
 - Where applicable, patients can participate/engage in their care planning process



Bronx ACO

Care Coordination enabled with BPMS

Health IT – The ACO “Glue”

A core strategy to manage and measure population health and improve care coordination by supplying actionable data for managing patient care

