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# **Creating a Population Health Strategy that Scales**

Session #72, March 6, 2018

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AVP, Population Health IT & Strategy,

**UMass Memorial Health Care** 

# COMMITMENT

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**UMassMemorial** Health Care

### **Conflict of Interest**

Renee Broadbent, MBA

Has no real or apparent conflicts of interest to report.



# **Agenda**

Essential elements for creating a system-wide PHM program

- Investment categories
- Strategy and development
- Management
- Logistical barriers
- Education and communication



# **Learning Objectives**

- Define the investment categories needed to scale a system-wide population health management program
- List the elements of developing and managing a system-wide PHM program, including financial planning and ROI reporting to drive greater executive and physician buy-in
- Describe logistical barriers to a system-wide PHM program, including disparate data sources, physician push back and educational / training needs
- Discuss the role of education and communication in meeting systemlevel PHM goals

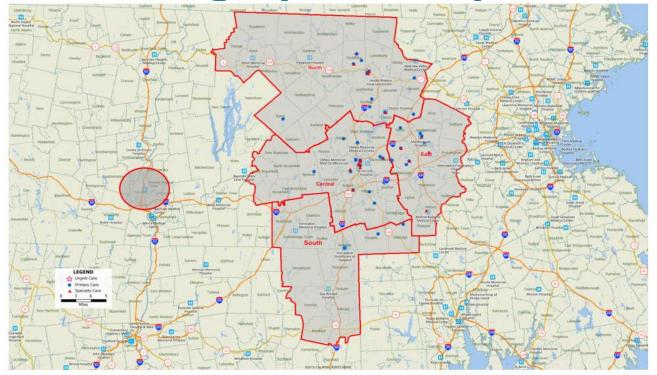


### **UMass Memorial Health Care Overview**

- Largest health care system in central Massachusetts
- Clinical partner with UMass Medical School, with access to latest technology, research and clinical trials
- Locations:
  - UMass Memorial Medical Center (Worcester)
  - HealthAlliance-Clinton Hospital (Clinton, Burbank and Leominster)
  - Marlborough Hospital (Marlborough)
- 1,600 physicians on active medical staff
- 3,000 registered nurses
- 12,000 total employees
- 1,125 hospital beds



# **UMMHC Geographic Footprint 2018**



# Population Health Management Organization

- Internal organization within the health system
- Sits at the system level, meaning we have responsibility for the entire organization as the drivers of population health
- Manage multiple programs (MSSP, Bundles, Commercial, Medicaid Pilot)
- Staff of 67 consisting of Administration, Care Management, Physician Leadership, Data Analytics & Reporting, Account Management for Network support and development
- 1,700+ participating providers in Central MA and to the east and west
- Total beneficiary member count across programs: 150,000
- Internal relationships and partnerships with medical school and community organizations to facilitate population health management
- Total of 3 additional hospitals outside the system that participate

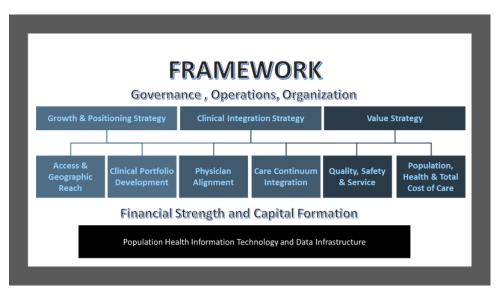


# **Investing in a System-Wide PHM**

- Objective: Create a clear picture of population health needs and value-based care performance.
- Data Consolidation (data aggregation)
  - 32 different EMRs from independent ACO providers
  - Claims
  - Multiple internal systems Single EMR 10/1/2017
- Analytics Platform
  - Collects, integrates and analyzes data from all sources
  - Develops quality and medical expense reports
  - Predictive analytics finds opportunities for population health improvement
  - Enterprise analytics population health as a strategic system effort
- Robust Operations
  - Invest in people, processes and technology to support success



# **Strategy & Development**



- Create a complete PHM strategy:
  - Care management
  - Staffing models
  - Governing models
  - Budgeting
- Create a comprehensive financial plan
- Develop a dedicated team to lead PHM strategies
  - Responsible for education
  - Monitors compliance
  - Recommends modifications



# **Utilization Management Strategic Initiatives**

CARE MANAGEMENT	PRACTICE ENGAGEMENT	CARE PATHWAYS
Care managers focusing on four domains for intervention	Engaging our primary care practices as partners for practice-based care management	Employing clinical interventions that begin in the inpatient setting to reduce overall post acute utilization and improve patient outcomes
• Readmissions	Standardized patient management tactics	Bundle care best practices
ED utilization	Rising risk identification and action steps	Specialist engagement
Chronic disease management	Care management team utilization	
Post-acute care		

### **Care Management Pillar Initiatives**

### I. Readmissions



#### Pillar Lead



- WP2: Telemonitoring pilot for COPD and CHF
  - PIC
- · WP3: Readmissions Advisory Committee
  - COPD/CHF CM workgroups with medical center
     PIC
  - Transitional Care Management coding (educational)
     PIC
  - SNF/LTAC/Post-Acute Transitions
     PIC
- WP4: D/C Follow-up phone calls for medical center
- PIC
- WP5: Standard CM work & internal summit
   PIC
  - · FIC



#### Metrics:

- Disease-specific readmission rates
- Short-term stay total discharges

### II. ED Utilization



### Pillar Lead

- WP6: Provider triage algorithms, flyers for offices, resource maps, standardized patient education & ID inappropriate ED usage

   PIC
- WP7: Care plans for high ED utilizers/super user lists from XXXX

   PIC
- <u>WP8:</u> Community Paramedicine
   PIC
- WP9: Hotspotting program



#### Metrics:

- Relationship between no-show patients and ED utilization
- NYU algorithm rates
- % avoidable ED visits

# III. Chronic Disease Management Pillar Lead

- WP10: ESRD
  - PI
  - Palliative Care Consults
     PIC
  - Davita & Fresenius catheter centers
     PIC
- WP11: National Sleep and Respiratory Pilot
   PIC
- WP12: Complex care clinic (Heywood)
   PIC
- WP13:
  - PIC
  - DM Community classes with HLCOE
     PICs
- · WP14: Pharm/med adherence programs
  - Shields specialty pharmacy pilot
     PIC
  - Omnicare
- WP15: CKD Pilot
   PIC
- WP16: DM Clinical Pathway
- PIC
- WP17: Hypertension Control Project
   PIC



#### Metrics:

- ESRD readmissions
- Catheter days
- Hospitalization rate
- Depression screenings and remission
- · HEDUS measures used by commercial contracts
- CKD progression to ESRD and ESRD stage progression
- % of patients who don't get x-rays within 28 days of first appointment for back pain
- Measures of the month (e.g., hypertension, diabetes retinal exams, asthma medication ratio, etc.)

# IV. Post-Acute Care Pillar Lead

- WP18: Non-preferred SNF networks
  - Lifecare
  - PIC
- <u>WP19:</u> Preferred SNF networks
  - PICs
- <u>WP20:</u>
  - PIC
- · SNF Care Management Initiatives
  - WP21: SNF Collaborative
    - PIC
  - WP22: SNF Palliative Care Pilot
     PIC
  - WP23: Post-Acute work groups
  - PIC
     WP24: SNF hand off to PCP pilot (LEAN
  - project)

     PIC
  - <u>WP25:</u> Advanced care planning/honoring choices
    - PIC



#### `

### Metrics: LOS

Readmissions



### **Utilization Management Strategic Initiatives**

### Pillars (Care Management Focus)

#### **Project Lead**

CM Management + Project Plans



- Readmissions
  - Pillar Lead
- ED Utilization
  - Pillar Lead
- III. Chronic Disease Management
  - Pillar Lead
- IV. Post-Acute Care Pillar Lead



#### Tactics:

See next page



#### Metrics

See next page

### Practice Engagement

#### **Project Lead**

Practice Engagement Team (PIFs, CMs, physicians) + Project Plans



- 1. 4-quadrant list
- 2. Practice leadership meetings
- B. Team meeting with CM, PIF, and Med Dir.
- 4. Create action steps
  - . Specific patient solutions (who will follow-up)
  - 2. Practice level interventions/operational changes
  - Additional tips or hints to address patients on the right/lower quadrant



#### Tactics:

- · 4-quadrant data and reporting in Tableau
  - PIC
- CMs/PIFs set monthly practice rounding times for patients in right-hand quadrants
  - PIC
- Patient Management Tactics to practices
  - PIC

Metrics



Emerging risk to high risk analysis

### Care Pathways

#### **Project Lead**

Inpatient Team + Project Plans



- Employing clinical interventions in the inpatient setting to reduce SNF utilization and improve patient outcome
- Bundle care practices
- Inpatient psych network



#### Tactics:

- <u>WP1:</u> Inpatient psych network development/telehealth
  - PIC
- WP26: Telehealth
  - PIC
- Bundle best practices
  - PIC



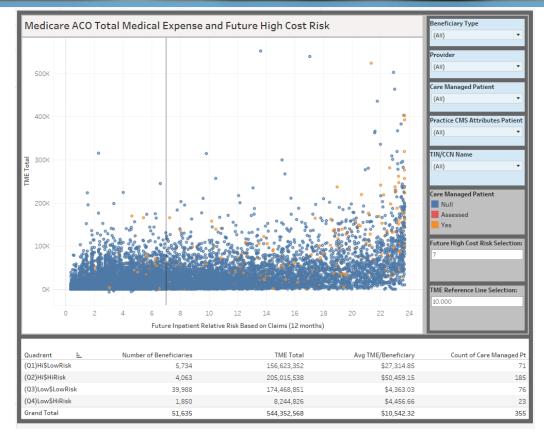
Metrics
TBD



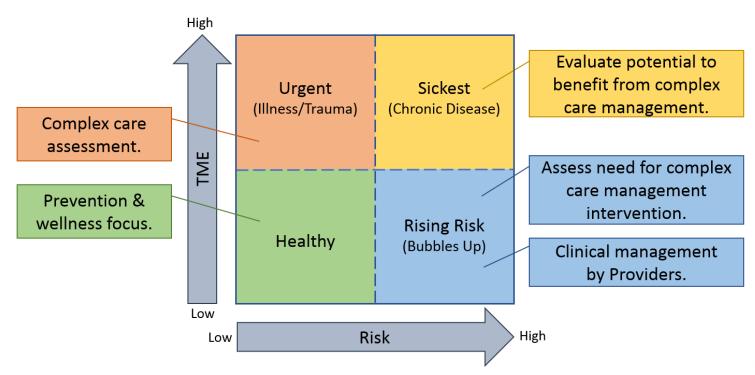
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### WHERE **THE WORLD** CONNECTS FOR HEALTH

Where is the expense derived? How to anticipate and change



### **Patient Risk Matrix**



## **Management**

Office of Clinical Integration (OCI): The UMass Memorial Health Care model for supporting population health management across the system

- Multi-disciplinary team tasked to manage cultural change
- Oversee areas such as Medicare and Medicaid ACOs and other risk-based contracts
- Functional areas:
  - Quality reporting
  - Quality payment program guidance
  - Practice improvement facilitation
  - State and federal regulatory and policy impact analysis, education and support
  - Data aggregation and analysis
  - Utilization reporting and analysis
  - Care management and coordination
  - SNF utilization management
  - Engagement and decision-making opportunities



## **Quality Management Report**



# What is Practice Improvement Facilitation?

<u>Practice Facilitation</u> is a supportive service provided to a primary care practice by a trained individual or team of individuals.

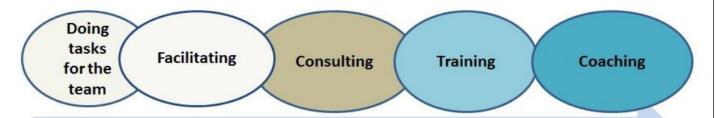
<u>Practice Improvement Facilitators (PIFs)</u> use a range of organizational development, project management, quality improvement, and practice improvement approaches and methods to build the internal capacity of a practice to help it engage in improvement activities over time and support it in reaching incremental and transformative improvement goals.

How is support offered?

- On-site
- Virtually (telephonic or webinars)
- Combination of both



### When used well, a practice facilitator will build capacity for change



Increasing team responsibility for providing content and managing the process

Practice facilitator in role of "doing for to get work done"

Practice facilitator in role of "empowering, eliciting, enabling to get work done"

Created by Neil Baker, Ann Lefebvre, and Cory Sevin for the Institute for Healthcare Improvement
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# **State and Federal Regulatory Impact**

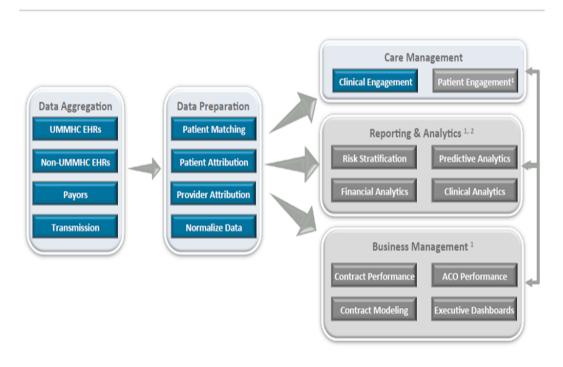
- Rapidly changing regulatory environment requires dedicated resources to monitor state and federal regulatory activities.
- Increased regulatory oversight of value-based program reporting and payment methodologies requires vigilant monitoring and auditing.
- MACRA is a healthcare game-changer with significant financial implications, both positive and negative, and presents unique challenges for ACOs and their provider partners.
- The shift from volume to value by state and federal programs and the resulting waivers of provisions within anti-kickback, Stark and other state and federal laws requires dedicated resources to ensure appropriate applicability to Population Health programs.
- Regulatory liaison with state and federal regulators is key to keeping abreast of the dynamic regulatory and enforcement environment and development of training and tools to ensure compliance with evolving requirements.
- As the environment evolves, organizations need to remain nimble and ensure ongoing assessment of the regulatory parameters around population health management initiatives and how to leverage the existing framework to find optimal performance opportunities within it.



# **Analytics Platform & Data Consolidation**

- Implementing a data aggregation strategy (automated collection and integration of data from all sources); 32 different EMR's
  - Claims data integration
- Development of IT plan for integration/migration plan to hospital EMR;
   how all the pieces fit together
- Enhanced reporting and predictive analytics; actionable data for the future planning, data governance
- Additional data sources, SNF's, other facilities, HIE's, etc.
- Interoperable framework
- What other systems are needed to support the population health management office?

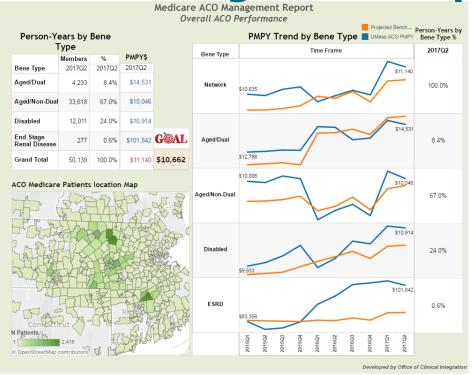
# **Conceptual Model**



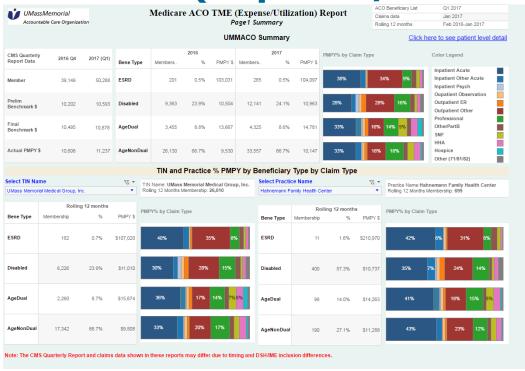
- Data is a key part of the VBC strategy
- Conceptual model demonstrates the data sources and process
- It fuels the processes and programs in the VBC model
- It must remain flexible
- Many layers of integration
- Production of robust analytics

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# **Medicare ACO Management Report**



# Medicare ACO TME (Expense/Utilization) Report



# **Steps in Building Post Acute Network**

• Established and refined post acute SNF evaluation/selection process and criteria

**Profile SNFs Against Minimum** Requirements **Telephone Screen Subset of SNFs That Meet Minimum Requirements Site Visits to Narrow** Subset Recommend "High-Value" **Providers** 



# **SNF Evaluation/Selection Criteria**

### **UMMACO Preferences**

- Current Referral Volume
- UMMACO Medical Staff Affiliation

### **Minimum Requirements**

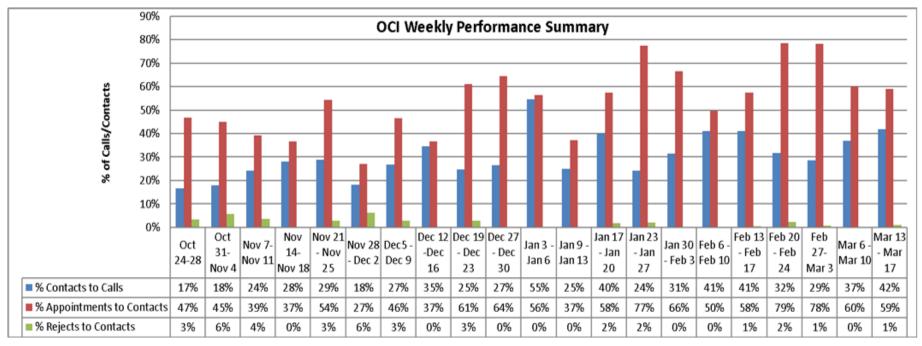
- · 4-Star Overall CMS Rating
- · 4-Star CMS Quality Rating
- · 3-Star Staffing
- 4-Star CMS RN Staff Rating
- 4-Star Health Inspection Rating
- 3-years free of risk/actual harm deficiencies (i.e., none > 2)
- No substantiated DPH complaints rated F or higher
- Risk Adjustment Score > 126

### **UMMACO Expectations**

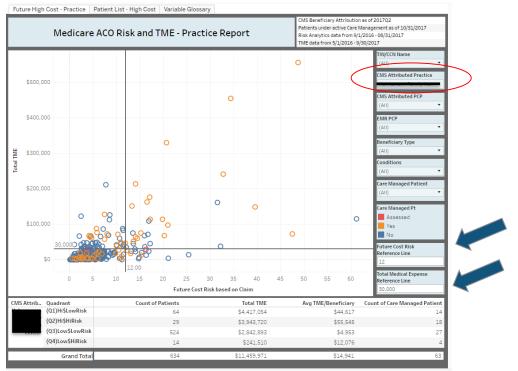
- · Referral Responsiveness
- Medication Availability
- QI Program Characteristics
- · Commitment to Collaboration
- Patient & Family Centeredness
- Performance Reporting
- Take Direct Admissions from Community
- · Resident & Family Satisfaction
- Insurance contracts



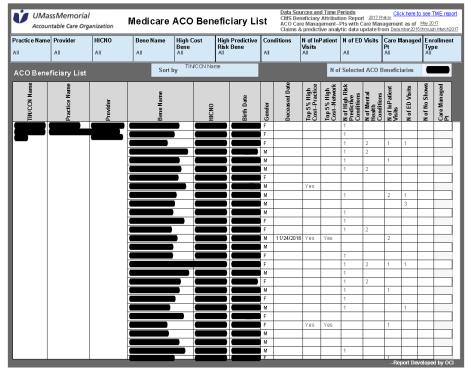
### **Patient Outreach**



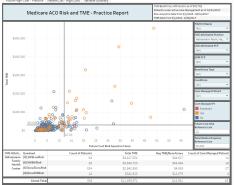
# The 4 Quadrant Patient Risk/TME Matrix

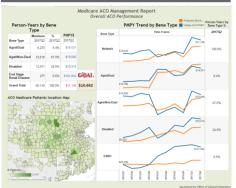


# **Medicare ACO Patient Management Report**



## **Secure Executive Buy-in**

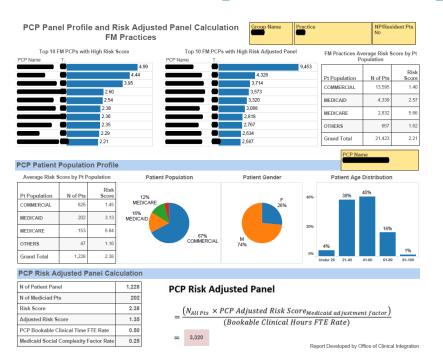




- OCI's biggest challenge: Change not only mindset, but also behaviors that directly impact program success
- Senior executives needed to drive cultural and behavioral change
- Broad change needed to be preceded by a change in mindset on the part of system leaders
- The key to executive buy-in: data and analytics
  - Analytics showed that streamlining systems helped generate consistently accurate clinical and financial information



# **Secure Physician Buy-in**



- OCI's next biggest challenge: garnering support from physicians
  - Changed monetary incentives
  - Pod structure where physician groups are organized regionally
  - Generate reports on how individual physicians are performing against peers
  - Allow physicians to express concerns and outline how they can best be supported
  - Ongoing education



### **POD Structure**

# Medical Director

- Supervise Pod Leaders
- Pod Leader Meetings
- Doc Engagement/Training
- QI/UM
- Clinical Guidelines

### **Pod Leaders**

- Quarterly Pod Leader Meetings
- POD Outreach/Education

### Pods

- QI/UM with Pod Leaders
- MCN Participation Criteria
- Quarterly POD Meeting
- PIF/Outreach Coordinators



# **Logistical Barriers**

- Use actionable data and analytics that highlight actual savings and impacts to patient care
  - Report cards / score cards help provide visuals of 'actual' performance and opportunities for:
    - Financial improvements
    - Reductions in TME
    - Patient engagement
    - Provider engagement
    - Rising risk populations preventable events
    - Care management interventions



### **Results Attributed to OCI**

To help UMass Memorial Health Care accomplish it's population health objectives, the Office of Clinical Integration provided the following support:

- Provided practice improvement facilitators, who conducted about 100 practice visits for month and served as practice level resource
- Provided outreach support to help practices contact patients; they made more than 9,000+ calls to patients
- Conducted approximately 230 HCC coding audits to support coder efforts to more accurately demonstrate the burden of illness
- Offered care management team, which has managed more than 7,000 patients



# **Results Attributed to OCI (cont.)**

With the help of data from the Office of Clinical Integration, the system's Medicare Shared Savings ACO saw a sharp improvement in key metrics for patients receiving care management:

- Average inpatient admissions per patient decreased by 15%; control group increased by 1%
- Average 30-day readmission rate per patient decreased by 15%; control group decreased by 4%
- Average ED visits per patient decreased by 18%; control group decreased by 1%
- Average skilled nursing admissions per patient increased by 19%; control group increased by 41%



### **Education & Communication**

- Senior leadership site visits to network
- Board engagement and education
- POD structure
- Community collaborative efforts (partnering)
- Patient engagement tools for community services
- Weekly blog from president
- Updates weekly (via CRM) about:
  - Regulatory changes
  - GPRO processes
  - Program updates
- PHM WINS Weekly webinars to educate network and others





### Recommendations

- Develop clear population health management strategy
- · Consider all pieces of the care delivery continuum must be considered
  - Staffing
  - Budgets
  - Care management
  - Education and training
  - Reporting
- Secure executive and physician buy-in
  - Develop a clear financial plan for PHM return on investment
- Create and support dedicated teams to lead PHM strategies and execute PHM programs
- Get the right systems in place
  - Data and analytics
  - Start with a clearly defined PHM strategy and a clearly defined path to value
  - Then need a series of systems to support goals
  - Most health systems will likely need more than one







# Questions

- Questions?
- Please complete online session evaluation
- Renee Broadbent contact information: <u>Renee.Broadbent@umassmemorial.org</u>



