

## Rules Engine National Quality Measures

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### **AGENDA**

- Brief definitions
- Structure
- Quality measures in the DAI
- How the measures are different than HEDIS
- Gaps in Care measures in the DAI
- Patient Health Record (for Gaps in Care)



### **QUALITY MEASURES**

- Evidence-based guidelines
  - Given a clinical situation
  - Something should be done (or not done)
  - Based on clinical research, not anecdotal experience or conventional wisdom
- Outcomes measures
  - Did a desired outcome occur
  - Was an undesired outcome avoided (admission ER visit)



### BASIC QUALITY MEASURES STRUCTURE

### Denominator

- People with Disease
- People with the right demographics for preventive care
- Continuously enrolled to be certain of numerator
- Not disqualified

### Numerator

- The desired procedure has taken place
- The undesired procedure has not taken place

## NATIONAL QUALITY FORUM

- HEDIS is the leading standards organization
- We are looking to NQF for measure adoption
- Using measures as defined not second guessing criteria



### HEDIS-BASED MEASURES - 3 GROUPS

- Event measures—for patients who experience event A, (e.g., admission or ambulatory visit for a specified condition), how many of them had procedure B
- Diseased population measures—for patients with a particular disease, how many had a specified procedure
- General population measures—for patients of a certain age and/or gender, how many had a specified procedure



## HEDIS-BASED MEASURES - 3 GROUPS

# **Event Measures**

- Pats Low Back % wo Imag Studies
- Pats Child Pharyn% Strep Tests
- Pats Child URI % wo Antibiotics
- Pats MH % Post Disch Visit

# Diseased Population Measures

- Pats Epis Asthma% Asthma Drugs
- Pats Epis Diabet %Eye Exams
- Pats Epis Diabet %
   HbA1c Tests
- Pats Epis Diabet % Kidney Svcs
- Pats Epis Diabet %
   LDL Tests

# General Population Measures

- Pats Women %Chlamydia Tests
- Pats Adolescent %Well Care
- Pats Child 1 to 2 %
   Prim Care
- Pats Child 2 to 6 %
   Prim Care



# REMAINING DIFFERENCES FROM NATIONAL MEASURES

- Detailed in Analytic Guide on Customer Portal (See example)
- Missing Some Exclusions
- Differ with regard to age



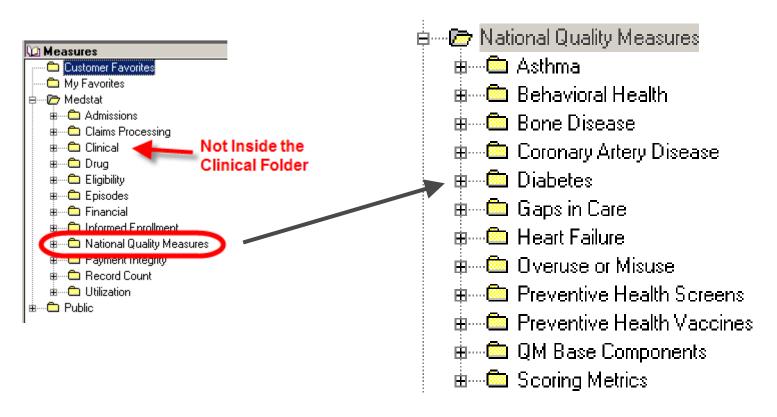
# ADVANTAGE EXTENSIONS TO QUALITY MEASURES

- When was the most recent occurrence of the desired procedure
  - Used for patient management
- Which physician should be accountable for the care of this patient for this disease
  - Quality measures as adopted by NQF do not specify attribution to physicians
  - Key to provider profiling



### NATIONAL QUALITY MEASURES FOLDER

Organized by Disease Condition





# NATIONALLY ENDORSED\* QUALITY MEASURES

#### **Coronary Artery Disease**

- Drug Therapy for Lowering LDL Cholesterol
- Beta-Blocker Treatment after a Heart Attack
- Beta-Blocker Therapy Post-MI
- Cholesterol Screen
- Lipid Profile
- Antiplatelet Therapy
- Beta-Blocker Therapy Prior-MI
- ACEI/ARB Therapy

#### **Heart Failure**

- ACEI/ARB Therapy
- LVF Assessment
- Beta-Blocker Therapy
- Warfarin Therapy Patients with Atrial Fibrillation

#### **Asthma**

Use of Appropriate Medications for People with Asthma

#### **Diabetes**

- HbA1C Management
- Lipid Measurement
- Eye Exam
- Microalbumin Test for Nephropathy

#### **Behavioral Health**

- Antidepressant Medication Management Acute Phase
- Antidepressant Medication Management -Continuation Phase
- Optimal Practitioner Contacts for Medication Management

#### Misuse/Overuse

- Appropriate Treatment for Children with Upper Respiratory Infection (URI)
- Appropriate Testing for Children with Pharyngitis

#### **Bone Disease**

Osteoporosis Management in Women who have had a Fracture

#### **Preventive**

- Breast Cancer Screening
- Colorectal Cancer Screening
- Cervical Cancer Screening
- Influenza Vaccination
- Pneumonia Vaccination
- Childhood Immunization Status



\*Endorsed by the NQF

# RULES MEASURES ARE AS OF END OF PERIOD

- What is the state of this patient at the end of the time period
- Look back from end of period for required period of time
  - Most measures are a year
  - Some are two or three years
- Patient must meet continuous enrollment for the measure period

Reporting Year

HbA1C

Breast Cancer Screen

Cervical Cancer Screen



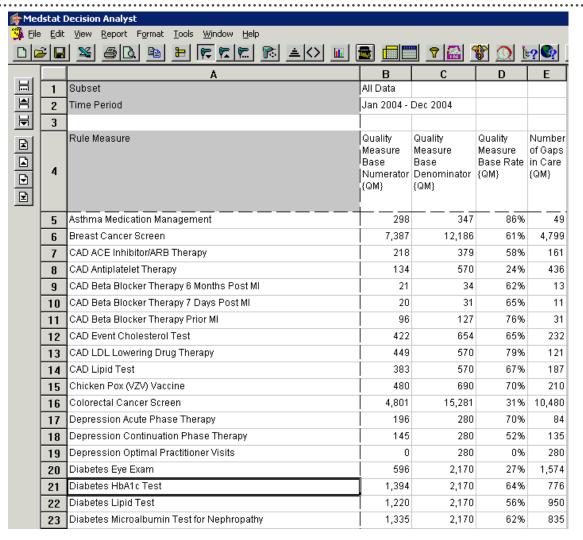
# REPORTING IN ADVANTAGE – EXAMPLE REPORTS

### Report using quality measure rates

Report - Rules Ex 2			
		Α	В
	1	Subset	Diabet
	2		
	3	Fact	Jan 2004 - Dec 2004
	4	Diabetes Eye Exam Rate (QM)	27%
	5	Diabetes HbA1c Test Rate {QM}	64%
	6	Diabetes Lipid Test Rate (QM)	56%
	7	Diabetes Microalbumin Rate (QM)	62%
	8	Number of Gaps in Care {QM}	4,135



# REPORTING IN ADVANTAGE – EXAMPLE REPORTS





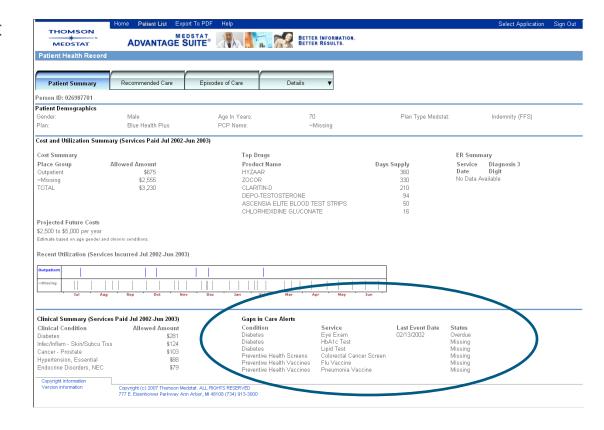
# GAPS MEASURES IGNORE CONTINUOUS ENROLLMENT

- For Quality Measurement {QM} it is important to see all claims for the target time period
  - Did the numerator event not happen...
  - Or do we just not see it
- Gaps in Care is for reminding patients (or doctors) to get recommended care
  - If we can't see it, we'll still recommend it
  - Provides most recent date as a management tool



# PATIENT HEALTH RECORD – GAPS IN CARE ALERTS

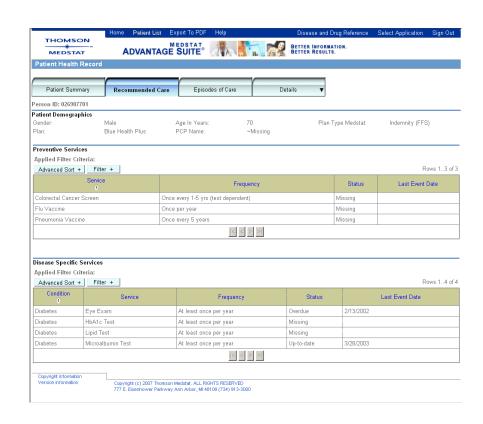
- Available on the Patient Summary tab
- Identifies services that are missing or overdue for a patient according to nationally endorsed evidence-based guidelines
- Information detailed includes the service, date when the service was last rendered, and the status (i.e. missing, or overdue)





# PATIENT HEALTH RECORD - RECOMMENDED CARE

- Separate tab which provides a summary of all recommended services according to nationally endorsed evidence-based guidelines
- Section for Preventive Services (e.g., influenza vaccine, colonoscopy, etc.)
- Section for Disease Specific Services (e.g., Diabetes - eye exam, urine protein test, HbA1c testing for diet compliance)
- Information detailed includes the service, frequency for how often the service should occur, date when the service was last rendered, and the status (i.e. missing, or overdue)





### **QUESTIONS?**

- thomsonreuters.com, click 'Healthcare'
- thomsonreuters.com/products\_services/healthcare
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