



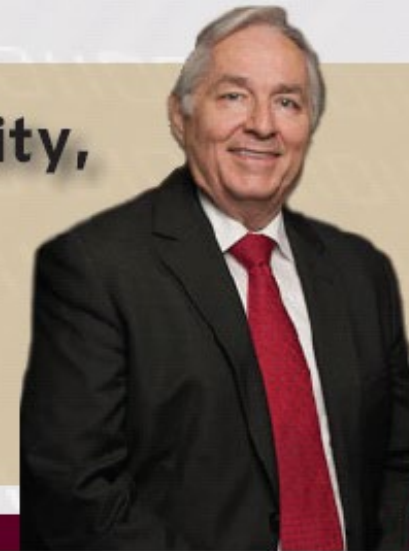
Business Intelligence and Reporting at SETMA: Improving Quality, Outcomes and Clinical Practices

Texas A&M University, School of Medicine
Alumni CME

*Dr. James L. Holly, MD
CEO, Southeast Texas Medical Associates, LLP
April 30, 2011*



**"Business Intelligence for Improving Quality,
Outcomes, and Clinical Practices:
Continuing the Health Transformation
Journey at SETMA"**



**by Dr. James Holly, MD, CEO
Southeast Texas Medical Associates (SETMA)**

About SETMA



Southeast Texas Medical Associates, LLP (SETMA) was founded August 1, 1995.

SETMA currently has 29 healthcare providers in the following specialties:

- Internal Medicine
- Family Practice
- Pediatrics
- Nurse Practitioners
- Cardiology
- Neurology
- Infectious Disease
- Ophthalmology

SETMA's Landmarks



- March 1998 – Acquired Electronic Health Records (EHR)
- January 1999 – All patients seen using EMR
- May 1999 – Began thinking in terms of “*Electronic Patient Management*” (EPM), rather than EHR
- October 2009 – Began “COGNOS Project”
- June 2010 – NCQA Tier 3 Patient-Centered Medical Home (PCMH)
- August 2010 – Affiliate of Joslin Diabetes Center, an Affiliate of Harvard Medical School
- August 2010 – NCQA Diabetes Recognition

SETMA's Landmarks



- August 2010 - Accreditation Association Ambulatory Healthcare (AAAHC) Accredited Ambulatory Care
- August 2010 – AAAHC Accredited Medical Home
- January 2011 - All SETMA Primary Providers Certified as Joslin Certified Primary Care Providers
- February 2011 - Named one of 30 Exemplary Practices by Office of National Coordinator, Health Information Technology, Health & Human Services

SETMA's Landmarks



- February 2011 - Innovator Award, *Healthcare Informatics*
- March 2011 - Patient Centered Primary Care Consortium, Practices in the Spotlight: The Medical Home and Diabetes Care
- March 2011 - Dr. And Mrs. James L. Holly Distinguished Professorship, Patient-Centered Medical Home, University of Texas Health Science Center San Antonio, Texas
- May 2011 – Semi-Finalist, Gartner Award

Systems Thinking and Health



“Systems-thinking” (Senge, *The Fifth Discipline*) and the data display designed on those principles allow the provider to “see” the patient as a whole: as a “granular portrait”, rather than as a faceless “silhouette.”

Data Display



Data display can obscure effective management, if it simply presents more detail while ignoring or obscuring the dynamic interaction of one part of a biological system with another.

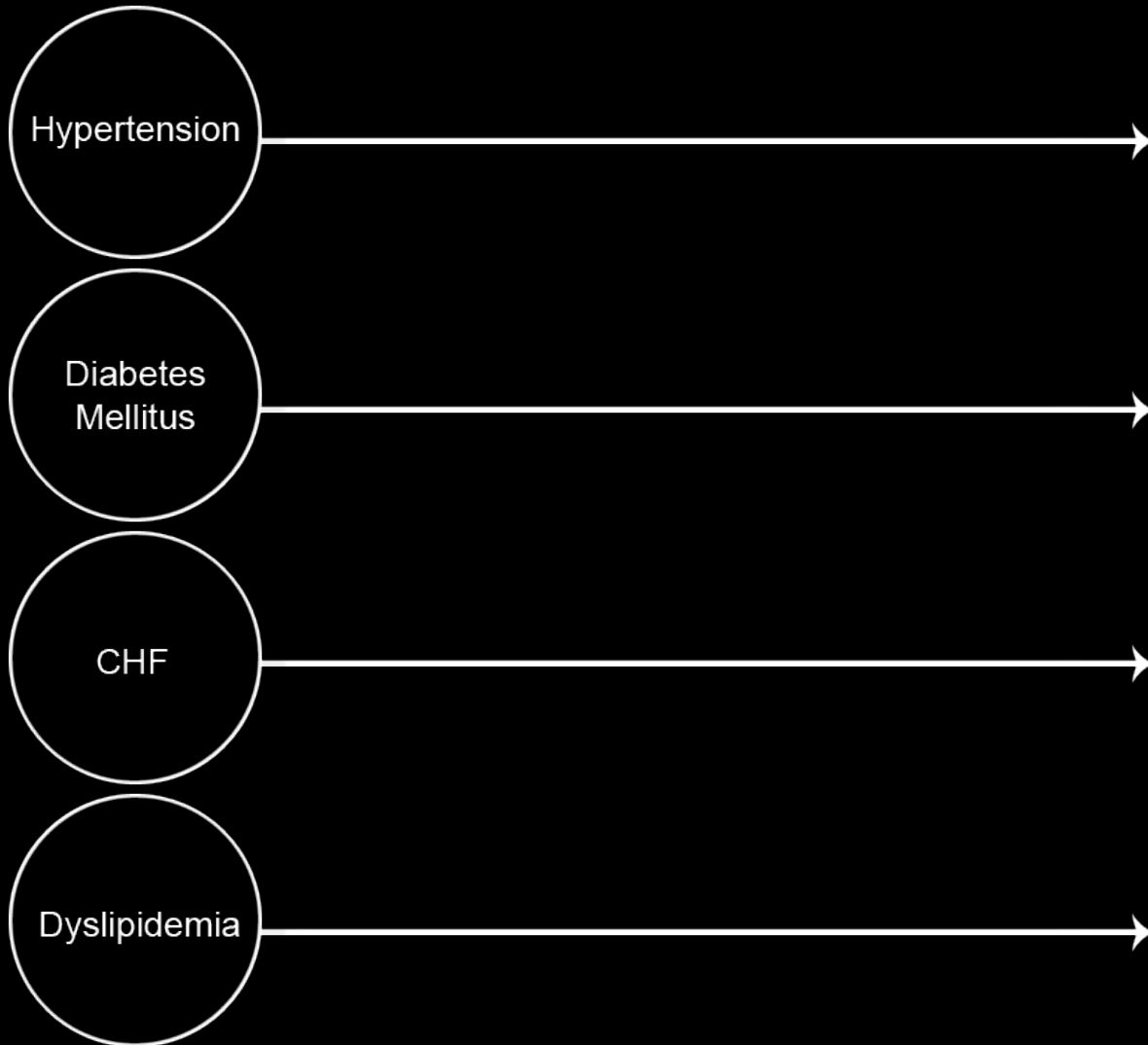
Seeing Circles of Causality



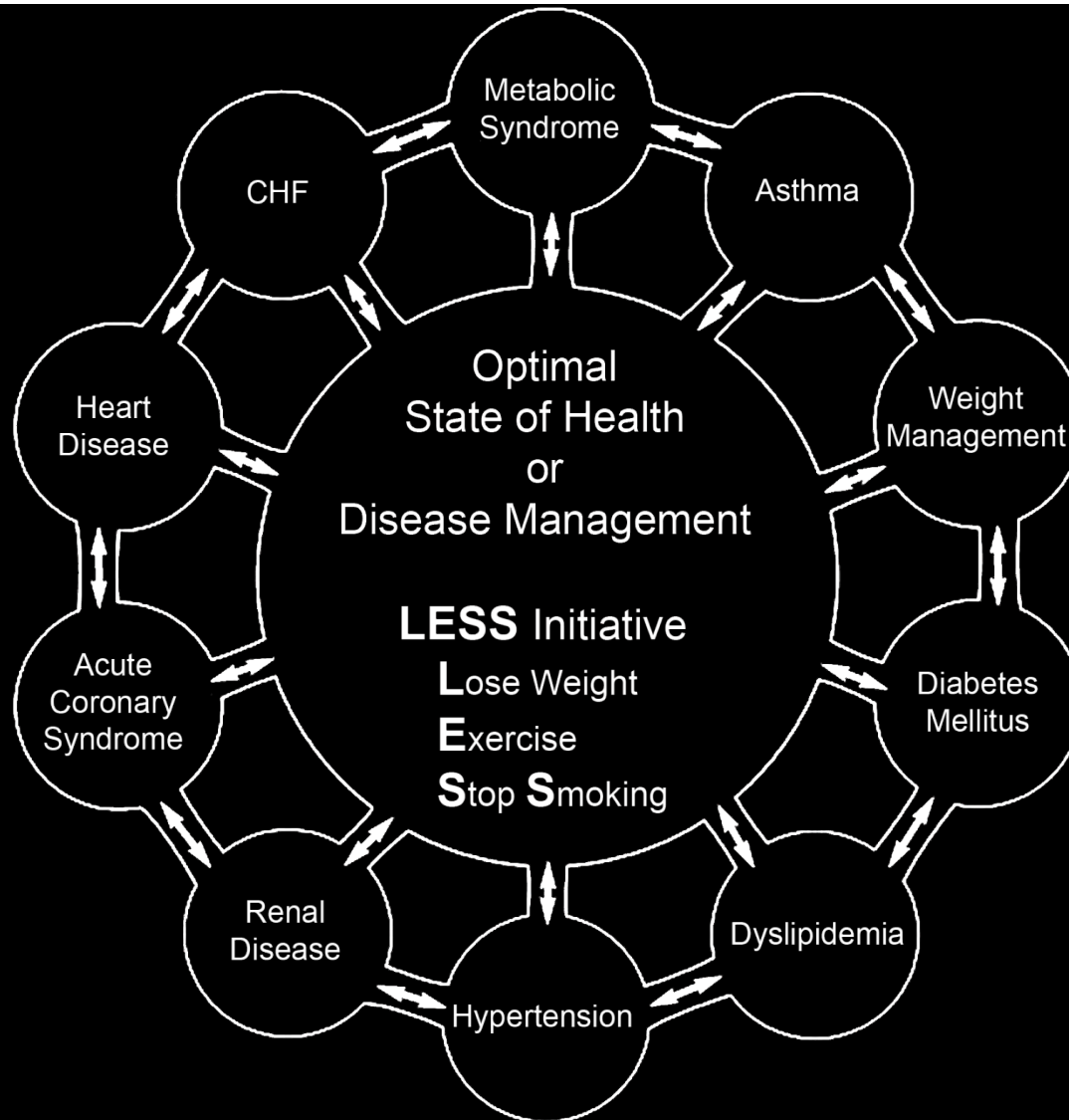
“Reality is made up of circles, but we see straight lines...Western languages...are biased toward a linear view. If we want to see system-wide interrelationships...we need a language of interrelationships, a language of circles.”

(The Fifth Disciple, Dr. Peter Senge)

Linear Thinking



Circular Causality



SETMA's Diabetes Management



Diabetes Management

Type I
 Type II
 GDM
 Pre-Diabetes

Diabetes Since: Month Year

Patient: ZTest

Age: Sex:

Navigation

Diabetes General

Home

Diab Sys Review

Diabetic History

Eye Exam

Nasopharynx

Cardio Exam

Foot Exam

Neurological Exam

Complications/Education

Initiating Insulin

Lifestyle Changes

Diabetes Plan

Education Booklet Given On

Diabetes Education

Last DE

[Joslin Treatment Goals](#)

[Diagnostic Criteria](#) [Screening Criteria](#) [Imp Diabetes Concepts](#) [Evidenced-Based Recs](#)

Compliance

[Dental Care](#) [Smoker](#) + -

Dilated Eye Exam [Metabolic Syndrome](#) + -

Flu Shot [Framingham Risk Scores](#)

Foot Exam 10-Year General Risk %

HgbA1C 10-Year Stroke Risk %

Pneumovax Global Cardio Score pts

Urinalysis [Weight Management](#) [Lipids Management](#)

Aspirin Yes No [HPT Management](#) [Immunizations](#)

Statin Yes No

Vital Signs

Height	<input type="text" value="70.00"/>	Waist	<input type="text"/>	Finger Stick Glucose	<input type="text"/>
Weight	<input type="text" value=".00"/>	Hips	<input type="text"/>	Pulse	<input type="text"/>
BMI	<input type="text"/>	Chest	<input type="text" value=".00"/>	Blood Pressure	<input type="text"/>
Body Fat %	<input type="text" value="19.6"/>	Abdomen	<input type="text" value="0"/>	BP In Diabetics	<input type="text"/>
Protein Req	<input type="text"/>	Ratio	<input type="text" value=".00"/>	Vitals Over Time	<input type="text"/>
BMR	<input type="text"/>	BER	<input type="text"/>		

Current SQ Insulin Dose as of

Time of day	Units	Type	Units	Type	Blood Sugars mg/dl
<input type="text"/>	<input type="text" value=".00"/>	<input type="text"/>	<input type="text" value=".00"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text" value=".00"/>	<input type="text"/>	<input type="text" value=".00"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text" value=".00"/>	<input type="text"/>	<input type="text" value=".00"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text" value=".00"/>	<input type="text"/>	<input type="text" value=".00"/>	<input type="text"/>	<input type="text"/>

Most Recent Labs

HqA1C	<input type="text" value="8.5"/>	<input type="text" value="08/25/2010"/>
Previous	<input type="text" value="1.2"/>	<input type="text" value="01/21/2008"/>
	<input type="text" value="9.6"/>	<input type="text" value="01/16/2008"/>
eAG	<input type="text" value="197"/>	
Mean Plasma Glucose	<input type="text" value="225.3"/>	<input type="text" value="Insulin"/>
C-Peptide	<input type="text" value="//"/>	<input type="text" value="//"/>
Fructosamine	<input type="text" value="//"/>	<input type="text" value="//"/>
Cholesterol	<input type="text" value="250"/>	<input type="text" value="09/01/2009"/>
LDL	<input type="text" value="97"/>	<input type="text" value="08/19/2010"/>
HDL	<input type="text" value="10"/>	<input type="text" value="09/01/2009"/>
Triglycerides	<input type="text" value="500"/>	<input type="text" value="09/01/2009"/>
Trig/HDL Ratio	<input type="text" value="50.00"/>	
Glucose	<input type="text" value="107"/>	<input type="text" value="02/18/2010"/>
Fasting	<input type="text" value="//"/>	<input type="text" value="//"/>
Insulin	<input type="text" value="//"/>	<input type="text" value="//"/>
HOMA-IR	<input type="text" value="//"/>	
Na	<input type="text" value="135"/>	<input type="text" value="02/18/2010"/>
K	<input type="text" value="5.2"/>	<input type="text" value="02/18/2010"/>
Magnesium	<input type="text" value="21.2"/>	<input type="text" value="02/06/2008"/>
BUN	<input type="text" value="21"/>	<input type="text" value="02/18/2010"/>
Creatinine	<input type="text" value=".5"/>	<input type="text" value="02/18/2010"/>
U Microalbumin	<input type="text" value="//"/>	<input type="text" value="//"/>
Albumin/Creat	<input type="text" value="//"/>	<input type="text" value="//"/>

SETMA's Model of Care



1. Performance Tracking – one patient at a time
2. Performance Auditing – by panel or population
3. Analysis of Provider Performance Data
4. Public Reporting by Provider Name
5. Quality Assessment/Performance Improvement

Tracking Performance At The Point of Care



SETMA tracks multiple Physician Consortium for Performance Improvement (PCPI) measurement sets:

- Chronic Stable Angina
- Congestive Heart Failure
- Diabetes
- Hypertension
- Chronic Renal Disease
- Weight Management
- Care Transitions

Tracking Performance At The Point of Care



SETMA also tracks the following published quality performance measure sets:

- HEDIS
- NQF
- AQA
- PQRI
- BTE

Each is available to the provider, interactively at each patient encounter.

**National Quality Forum (NQF)
National Voluntary Consensus Standards**

Legend Measures in red are measures which apply to this patient that are not in compliance.
Measures in black are measures which apply to this patient that are in compliance.
Measures in gray are measures which do not apply to this patient.

General Health Measures	Care for Older Adults
View Body Mass Index Measurement	View Counseling on Physical Activity
View Smoking Cessation	View Urinary Incontinence in Older Adults
View Proper Assessment for Chronic COPD	View Colorectal Cancer Screening
View Adult Immunization Status	View Fall Risk Management
Blood Pressure Measures	Diabetes Measures
View Blood Pressure Measurement	View Dilated Eye Exam
View Blood Pressure Classification/Control	View Foot Exam
Medication Measures	View Hemoglobin A1c Testing/Control
View Current Medication List	View Blood Pressure
View Documentation of Allergies/Reactions	View Urine Protein Screening
View Therapeutic Monitoring of Long Term Medications	View Lipid Screening
View Drugs to Avoid in the Elderly	Female Specific Measures
View Appropriate Medications for Asthma	View Breast Cancer Screening
View Inappropriate Antibiotic Treatment for Adults with Acute Bronchitis	View Cervical Cancer Screening
View LDL Drug Therapy for Patients with CAD	View Chlamydia Screening
View Warfarin Therapy for Atrial Fibrillation	View Osteoporosis Management
	Pediatric Measures
	View Appropriate Screening for Children with Pharyngitis
	View Childhood Immunization Status

Tracking Performance At The Point of Care



This tool allows the provider to assess comprehensive quality measures for “screening” and “prevention” of each patient.

Audit Previsit [X]

Pre-Visit/Preventive Screening

General Measures (Patients >18)

Has the patient had a tetanus vaccine within the last 10 years? **Yes**
Date of Last

Has the patient had a flu vaccine within the last year? **Yes**
Date of Last

Has the patient ever had a pneumonia shot? **Yes**
Date of Last

Does the patient have an elevated (>100 mg/dL) LDL? **Yes**
Last

Elderly Patients (Patients >65)

Has the patient had an occult blood test within the last year? (Patients >50) **No**
Date of Last

Has the patient had a fall risk assessment completed within the last year? **Yes**
Date of Last

Has the patient had a functional assessment within the last year? **Yes**
Date of Last

Has the patient had a pain screening within the last year? **Yes**
Date of Last

Has the patient had a glaucoma screen (dilated exam) within the last year? **Yes**
Date of Last

Does the patient have advanced directives on file or have they been discussed with the patient? **No**
Discussed? Yes No Completed? Yes No

Is the patient on one or more medications which are considered high risk in the elderly? **No**

Diabetic Patients

Has the patient had a HgbA1c within the last year?
Date of Last

Has the patient had a dilated eye exam within the last year?
Date of Last

Has the patient had a 10-gram monofilament exam within the last year?
Date of Last

Has the patient had screening for nephropathy within the last year?
Date of Last

Female Patients

Has the patient had a pap smear within the last two years? (Ages 21 to 64)
Date of Last

Has the patient had a mammogram within the last two years? (Ages 40 to 69)
Date of Last

Has the patient had a bone density within the last two years? (Age >50)
Date of Last

Male Patients

Has the patient had a PSA within the last year? (Age >40)
Date of Last

Has the patient had a bone density within the last two years? (Age >65)
Date of Last

Referrals (Double-Click To Add/Edit)

Referral	Status	Referring

Tracking Performance At The Point of Care



2009 HEDIS Technical Specifications for Physician Measurement

Legend Measures in red are measures which apply to this patient that are not in compliance
Measures in black are measures which apply to this patient that are in compliance.
Measures in gray are measures which do not apply to this patient.

[Return](#)

[Tutorial](#)

Information

[NCQA](#)

[CAHPS](#)

[HEDIS](#)

Effectiveness of Preventive Care

- [View](#) Adult BMI Assessment
Weight Assessment and Counseling for Nutrition and Physical Activity for Children/Adolescents
Childhood Immunization Status
Immunizations for Adolescents
Lead Screening in Children
- [View](#) Colorectal Cancer Screening
Breast Cancer Screening
Cervical Cancer Screening
Chlamydia Screening in Women
- [View](#) Glaucoma Screening in Older Adults
- [View](#) Use of High-Risk Medications in the Elderly
- [View](#) Care for Older Adults

Effectiveness of Acute Care

- [View](#) Appropriate Treatment for Children with Upper Respiratory Infection
- [View](#) Appropriate Testing for Children with Pharyngitis
Avoidance of Antibiotic Treatment in Adults with Acute Bronchitis

Effectiveness of Chronic Care

- [View](#) Persistence of Beta-Blocker Therapy After a Heart Attack
- [View](#) Controlling High Blood Pressure
- [View](#) Cholesterol Management for Patients with Cardiovascular Disease
- [View](#) Comprehensive Adult Diabetes Care
Use of Appropriate Medications for People with Asthma
- [View](#) Use of Spirometry Testing in the Assessment and Diagnosis of COPD
- [View](#) Pharmacotherapy Management of COPD Exacerbation
- [View](#) Follow-Up After Hospitalization for Mental Illness
- [View](#) Antidepressant Medication Management
Follow-Up Care for Children Prescribed Attention-Deficit/Hyperactivity Disorder Medication
Osteoporosis Management in Women
Disease Modifying Anti-Rheumatic Drug Therapy for Rheumatoid Arthritis
- [View](#) Annual Monitoring for Patients on Persistent Medications
- [View](#) Medication Reconciliation Post-Discharge

Tracking Performance At The Point of Care



PQRI

PQRI Submittal Summary

Diabetes Measures Group

This patient **IS** eligible for submittal of the measures in the diabetes group.

Patients 18 to 79 with Diabetes Mellitus are eligible for this measure.

Hemoglobin A1c Target < 9.0

Most recent value less than 7.0.

Blood Pressure

Systolic Target < 140

Most recent value less than 130.

Diastolic Target < 80

Most recent value less than 80.

Foot Exam

Completed this visit.

Lipids Target < 100

Most recent value less than 100.

Nephropathy

Not assessed since January 1st.

Eye Exam

Dilated eye exam results reviewed.

Preventive Measures Group

This patient **IS** eligible for submittal of the measures in the preventive group.

Patients ages 50 and older are eligible for this measure.

Tobacco Use Assessment

Patient is current tobacco non-user.

Tobacco Cessation Assessment

Patient is not a tobacco user.

Body Mass Index

Body Mass Index measured/assessed.

Influenza Immunization

Influenza immunization administered within the last year.

Colorectal Cancer Screening

Appropriate screening performed.

Pneumococcal Vaccination

Pneumococcal vaccination previously administered.

Mammography Screening

Measure not applicable for this patient.

Urinary Incontinence Assessment

Measure not applicable for this patient.

Clusters and Galaxies



- A “*cluster*” is seven or more quality metrics for a single condition, i.e., diabetes, hypertension, etc.
- A “*galaxy*” is multiple clusters for the same patient, i.e., diabetes, hypertension, lipids, CHF, etc.
- Fulfilling a single or a few quality metrics does not change outcomes, but fulfilling “clusters” and “galaxies” of metrics at the point-of-care can and *will* change outcomes.

Auditing Performance After the Visit

A “Cluster” -- Multiple Metrics on a Single Condition



Auditing Performance After the Visit



A "Galaxy" -- Multiple "Clusters" Tracked on a Single Patient at a Single Visit



Auditing Performance After the Visit



Unlike a single metric, such as “was the blood pressure taken,” which will not improve care, fulfilling and then auditing a “cluster” or a “galaxy of clusters” in the care of a patient **will** improve treatment outcomes and **will** result in quality care.

Auditing Performance After the Visit



What is most often missing in quality improvement initiative is real-time, auditing with comparative display of results, and public reporting.

The screenshot shows the SETMA website interface. At the top left is the SETMA logo. The main header reads "Healthcare Where Your Health is the C". Below the header is a navigation menu with items: "About Us", "Letters", "In The News", "Providers", and "Your Life". A secondary menu includes "Electronic Patient Management Tools", "Public Reporting", and "Medical Home". The "Public Reporting" dropdown is open, showing a list of items: "PQRI", "NQF", "HEDIS", "NCQA", "PCPI", "SETMA Lipid Audit", "AQA", "COGNOS Project", "SETMA Audit for CKD Stages I III", and "Patient Satisfaction Survey". Below this list, there is a section titled "Featured Content of Website" with a bulleted list of news items, including "Gartner Business Intelligence", "SETMA's Transitions of Ca", "Address to the Spring me", "Address to the staff of the", "Address to the Patient-Ce", "SETMA's Pilgrimage to a P", "James L. Holly, MD, Health", and "SETMA Awards and Recog". At the bottom, there is a section titled "Your Life Your Health - 04/" and a news item: "2011 Gartner Business Intelligence Excellence Awards SETMA A Semi-Finalist About Gartner".

Auditing Performance After the Visit



SETMA employed IBM's Business Intelligence software, *COGNOS* to audit provider performance and compliance.

COGNOS allows all providers to:

1. Display their performance for their entire patient base
2. Compare their performance to all practice providers
3. See outcome trends to identify areas for improvement
4. See this at the point-of-care

Auditing Performance After the Visit



- SETMA contracted with LPA Systems (www.lpa.com) to build our auditing tools.
- LPA designed a data warehouse to minimize the impact on our production servers.

Analyzing Provider Performance

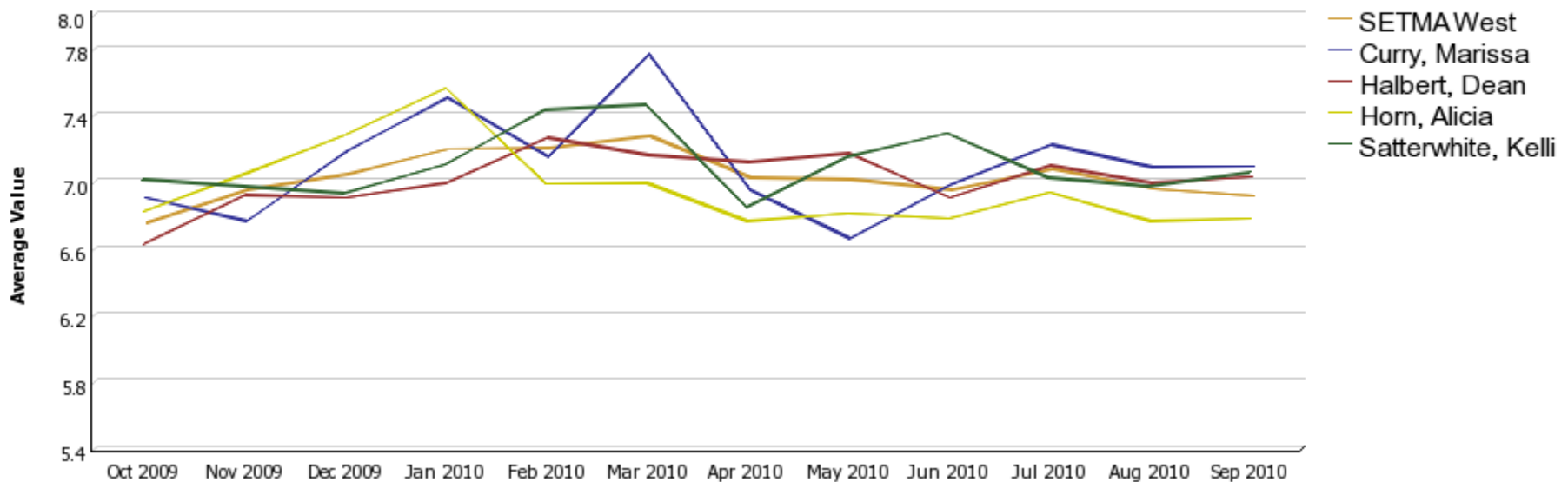


- LPA used SQL Server Integration Services (SSIS) to clean and scrub the hundreds of data points we needed for our audit rather than having to process the millions of data points contained in our EHR.
- SSIS scrubs and preloads our EHR data into the warehouse, which gives us both speed in reporting and confidence in the results in our COGNOS reports.

Auditing Performance After the Visit



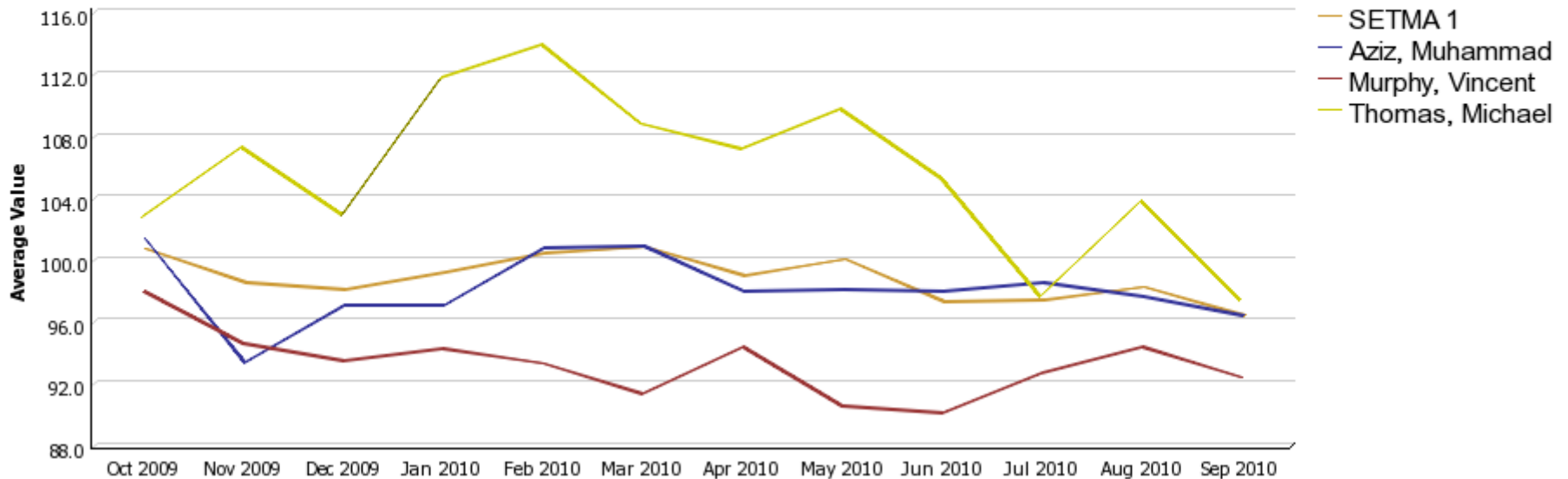
Chronic Diabetes - HgbA1c Trending



Auditing Performance After the Visit



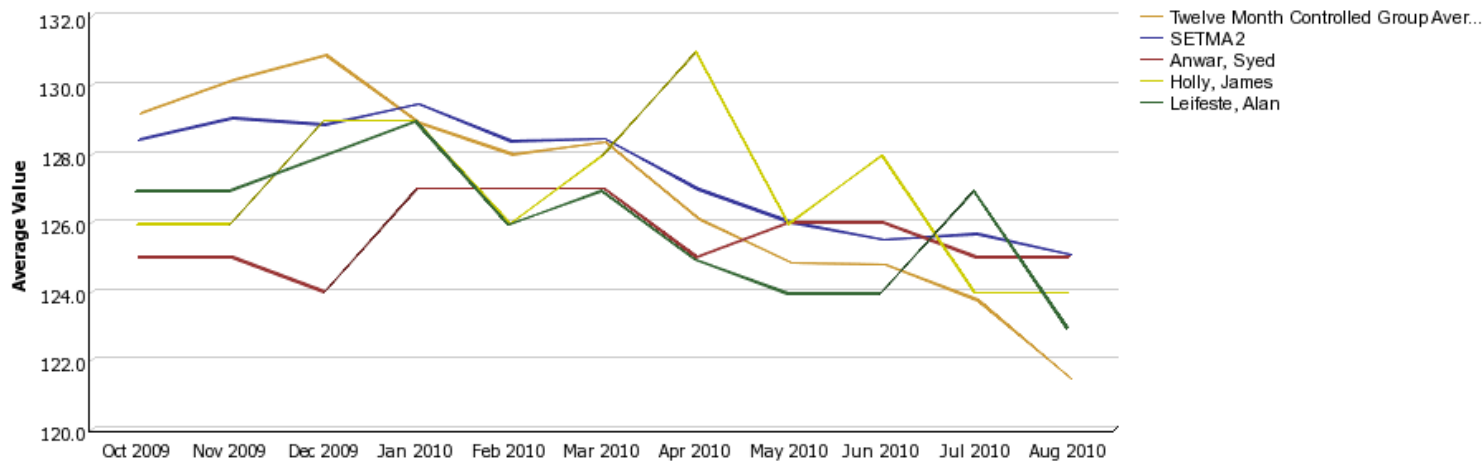
Chronic Hyperlipidemia - LDL Trending



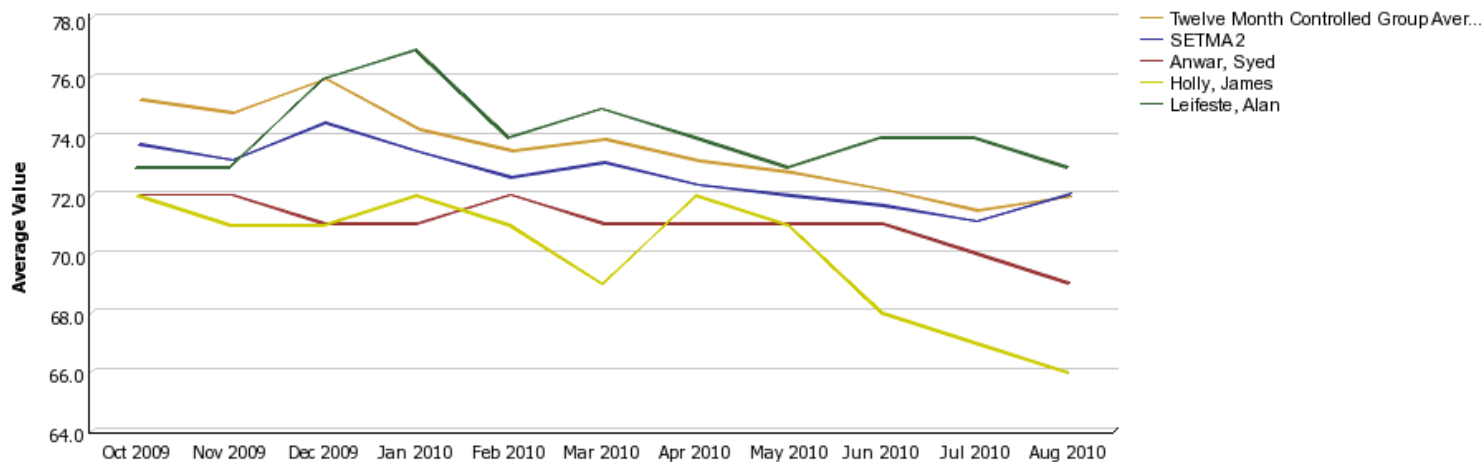
Auditing Performance After the Visit



Systolic Trending



Diastolic Trending



Auditing Performance After the Visit



Beyond how one provider performs (tracking and auditing), SETMA looks at data as a whole (analyzing) from which to develop new strategies for improving patient care.

We analyze patterns which may explain why one population is not to goal while another is. Some of the parameters, we analyze are:

- Frequency of visits
- Frequency of key testing
- Number of medications prescribed
- Were changes in treatments made, if patient not to goal
- Referrals to educational programs
- Etc.

Analyzing Provider Performance



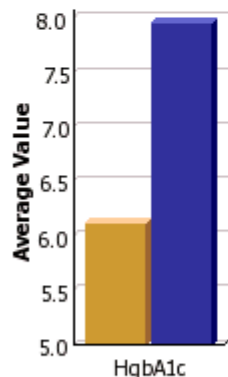
Chronic Diabetes - Measures Comparison (Most Recent 12 Months)

Controlled Group ■

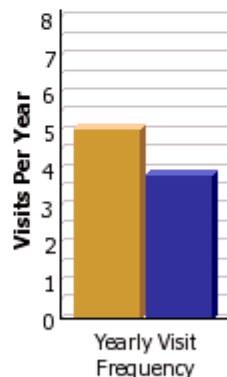
Population: **All SETMA**
Time Basis: **Prior 12 Months**

Selected Group ■

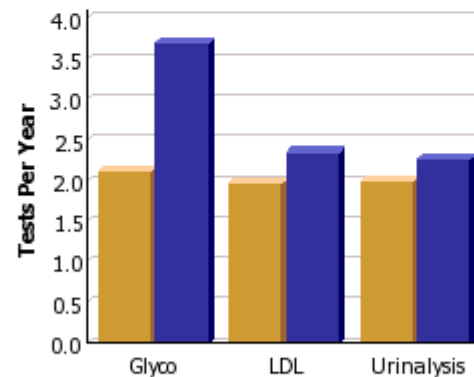
Practice: **SETMA 1, SETMA 2, SETMA West**
Provider: **None**
Controlled or Not Controlled: **Not Controlled**



	HgbA1c Avg	Standard Deviation
Controlled	6.1	0.7
Selected	8.0	1.7



	Visit Frequency
Controlled	5.1
Selected	3.8



	Yearly Glyco Tests	Yearly LDL Tests	Yearly UA Tests
Controlled	2.1	2.0	2.0
Selected	3.7	2.4	2.3

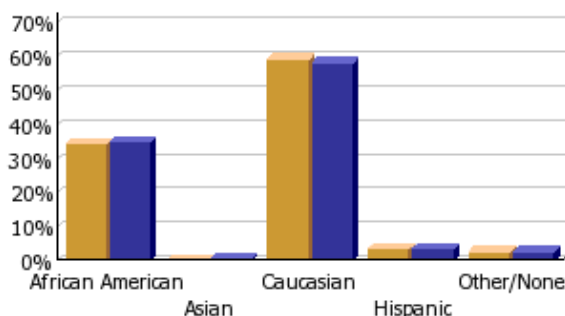
Analyzing Provider Performance



Chronic Hypertension - Measures Comparison (Most Recent 12 Months)

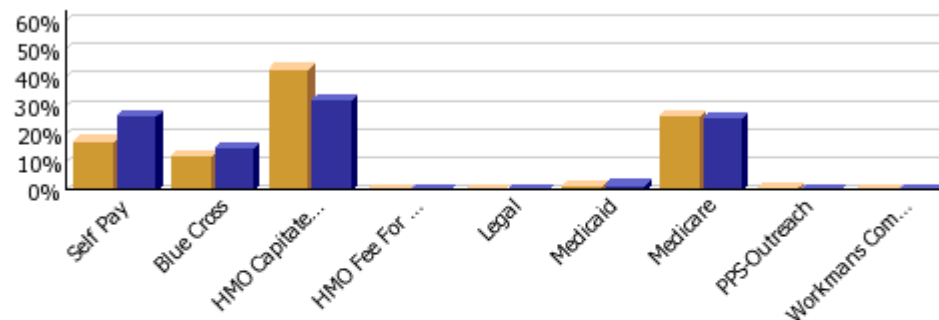
<p>Controlled Group ■</p> <p>Population: All SETMA</p> <p>Time Basis: Prior 12 Months</p>	<p>Selected Group ■</p> <p>Practice: SETMA 1, SETMA 2, SETMA West</p> <p>Provider: None</p> <p>Controlled or Not Controlled: Not Controlled</p>
---	--

Ethnicity



	African American	Ethnicity Asian	Caucasian	Hispanic	Other/None
Controlled	34.6%	0.1%	59.3%	3.4%	2.6%
Selected	34.9%	0.8%	58.3%	3.4%	2.7%

Financial Class



	Self Pay	Blue Cross	HMO Capitated	HMO Fee For Service	Legal	Medicaid	Medicare	PPS-Outreach	Workmans Comp
Controlled	17.3%	11.8%	43.0%	0.0%	0.0%	1.2%	26.2%	0.5%	0.0%
Selected	26.0%	14.7%	32.0%	0.0%	0.0%	1.6%	25.4%	0.1%	0.0%

Analyzing Provider Performance

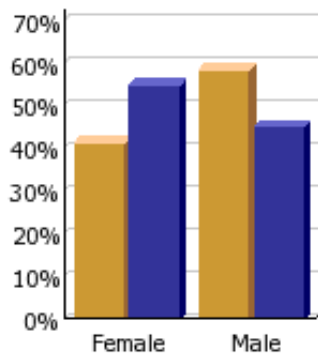


Chronic Hyperlipidemia - Measures Comparison (Most Recent 12 Months)

Controlled Group Time Basis: **Prior 12 Months**
 Controlled Group Constrained to: **All SETMA**
 Practice: **SETMA 1, SETMA 2, SETMA West**
 Provider: **None**

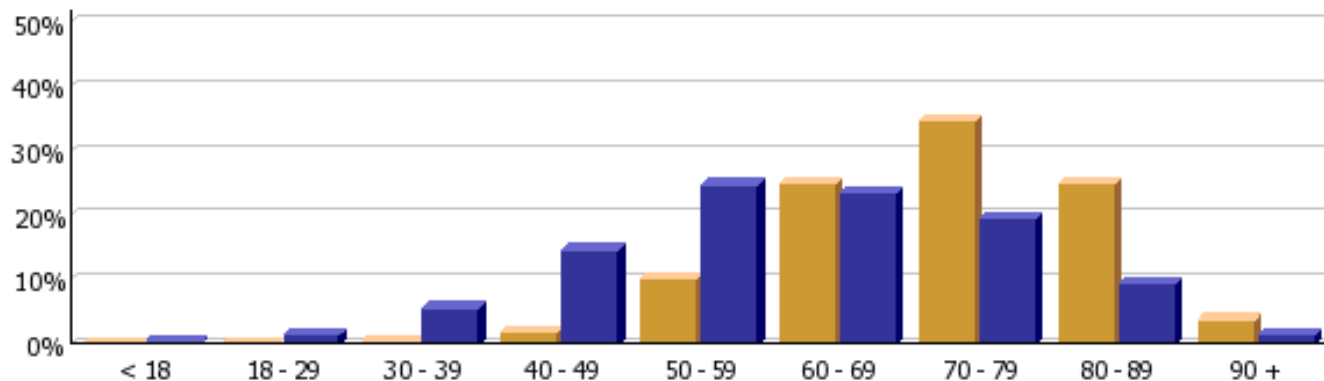
■ Controlled Group
■ Selected Group

Gender



	Female	Male
Controlled	41.4%	58.5%
Selected	55.0%	45.0%

Age



	< 18	18 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70 - 79	80 - 89	90 +
Controlled	0.0%	0.0%	0.2%	1.8%	10.0%	24.8%	34.7%	24.9%	3.7%
Selected	0.2%	1.4%	5.5%	14.5%	24.7%	23.4%	19.5%	9.3%	1.4%

Analyzing Provider Performance



Raw data can be misleading. For example, with diabetes care, a provider may have many patients with very high HgbA_{1c}s and the same number with equally low HgbA_{1c}s which would produce a misleadingly good average. As a result, SETMA also measures the:

- Mean
- Median
- Mode
- Standard Deviation

Analyzing Provider Performance



SETMA's average HgbA_{1c} has been steadily improving for the last 10 years. Yet, our standard deviation calculations revealed that a subset of our patients were not being treated successfully and were being left behind.

By analyzing the standard deviation of our HgbA_{1c} we have been able to address the patients whose values fall far from the average of the rest of the clinic.

Public Reporting of Performance



One of the most insidious problems in healthcare delivery is reported in the medical literature as “treatment inertia.” This is caused by the natural inclination of human beings to resist change. As a result, when a patient’s care is not to goal, often no change in treatment is made.

To help overcome this “treatment inertia,” SETMA publishes all of our provider auditing (both the good and the bad) as a means to increase the level of discomfort in the healthcare provider and encourage performance improvement.

Public Reporting of Performance



NQF Diabetes Measures



NQF - Diabetes Measures

E & M Codes: Clinic Only

Encounter Date(s): Jan 1, 2011 through Mar 31, 2011

Location	Provider	Dilated Eye within 12 Months	Micral Strip within 12 Months	Foot Exam within 12 Months
SETMA 1	Aziz	55.7%	75.3%	73.0%
	Duncan	52.8%	79.7%	78.9%
	Henderson	54.5%	78.6%	94.8%
	Murphy	50.0%	87.6%	84.4%
	Sims	44.8%	83.8%	51.4%
	Thomas	81.8%	76.6%	85.7%
	SETMA 1 Totals:		55.0%	80.7%
SETMA 2	Ahmed	69.0%	63.1%	99.7%
	Anthony	56.8%	86.9%	96.2%
	Anwar	67.1%	92.7%	82.1%
	Cricchio	61.2%	80.8%	92.3%
	Holly	80.0%	94.3%	88.6%
	Leifeste	67.8%	86.3%	81.5%
	Wheeler	60.0%	84.8%	84.8%
	SETMA 2 Totals:		65.4%	78.0%
SETMA West	Curry	70.2%	87.2%	91.5%
	Deiparine	57.9%	63.8%	89.5%
	Halbert	44.9%	60.0%	83.4%
	Horn	51.0%	81.9%	94.8%
	Qureshi	51.0%	71.9%	97.9%
	Satterwhite	51.1%	78.7%	88.3%
	Vardiman	57.3%	53.7%	78.0%
	SETMA West Totals:		53.4%	70.2%
SETMA Totals:		59.8%	76.6%	88.5%

Public Reporting of Performance



NQF Diabetes Measures



NQF - Diabetes Measures - Blood Pressure Control

E & M Codes: Clinic Only
Encounter Date(s): Jan 1, 2011 through Mar 31, 2011

Location	Provider	Blood Pressure on Last Visit			
		< 120 / 70	< 130 / 80	< 140 / 90	> 140 / 90
SETMA 1	Aziz	18.4%	50.0%	79.3%	20.7%
	Duncan	27.6%	68.3%	95.1%	4.9%
	Henderson	25.3%	58.4%	85.1%	14.9%
	Murphy	23.4%	57.8%	86.2%	13.8%
	Sims	24.3%	50.0%	70.3%	29.7%
	Thomas	18.2%	57.1%	79.2%	20.8%
SETMA 1 Totals:		22.9%	57.1%	83.8%	16.2%
SETMA 2	Ahmed	27.1%	62.6%	90.0%	10.0%
	Anthony	35.2%	84.5%	97.7%	2.3%
	Anwar	9.4%	79.1%	95.3%	4.7%
	Cricchio	24.5%	67.8%	89.5%	10.5%
	Holly	25.7%	88.6%	94.3%	5.7%
	Leifeste	27.0%	61.1%	87.7%	12.3%
	Wheeler	20.0%	60.0%	79.2%	20.8%
SETMA 2 Totals:		24.7%	68.6%	90.6%	9.4%
SETMA West	Curry	17.0%	64.9%	88.3%	11.7%
	Deiparine	13.8%	46.7%	77.6%	22.4%
	Halbert	25.4%	54.6%	81.5%	18.5%
	Horn	25.2%	59.4%	98.7%	1.3%
	Qureshi	17.7%	68.8%	91.7%	8.3%
	Satterwhite	14.9%	63.8%	87.2%	12.8%
	Vardiman	8.5%	31.7%	70.7%	29.3%
SETMA West Totals:		18.9%	55.6%	85.3%	14.7%
SETMA Totals:		22.8%	62.5%	87.6%	12.4%

Public Reporting of Performance



NCQA Diabetes Recognition



NCQA Diabetes Measures

Encounter Date(s): January 1, 2011 to March 31, 2011

Location	Provider	Encounters	A1c >9.0 <= 15%	A1c < 8.0 >= 60%	A1c < 7.0 >= 40%	BP > 140/90 <= 35%	BP < 130/80 >= 25%	Eye Exam >= 60%	Smoking Cessation >= 80%	LDL >= 130 <= 37 %	LDL < 100 >= 36%	Nephropathy >= 80%	Foot Exam >= 80%	Total Points
SETMA 1	Aziz	259	10.0%	79.2%	58.3%	23.2%	52.1%	57.9%	97.6%	11.2%	66.4%	73.0%	74.1%	80
	Duncan	190	10.5%	85.3%	67.4%	11.6%	64.7%	57.4%	85.4%	14.7%	66.3%	86.3%	81.1%	90
	Henderson	207	8.7%	82.1%	69.6%	15.5%	59.4%	56.0%	94.6%	12.6%	61.4%	80.7%	95.7%	90
	Murphy	337	5.6%	89.3%	68.0%	16.9%	55.2%	47.5%	77.5%	12.5%	70.9%	86.4%	85.8%	80
	Sims	122	11.5%	81.1%	62.3%	28.7%	49.2%	43.4%	87.5%	19.7%	54.9%	85.2%	61.5%	85
	Thomas	109	11.0%	71.6%	46.8%	20.2%	58.7%	82.6%	100.0%	12.8%	61.5%	78.9%	83.5%	95
SETMA 2	Ahmed	797	19.1%	62.1%	39.5%	9.2%	63.1%	67.6%	75.3%	11.7%	64.7%	63.1%	99.7%	68
	Anthony	293	12.3%	80.2%	62.5%	2.7%	85.0%	59.0%	81.1%	10.9%	72.0%	89.1%	96.2%	90
	Anwar	375	9.3%	82.4%	65.6%	3.5%	80.5%	64.3%	96.3%	14.7%	60.3%	94.1%	80.5%	100
	Cicchio	378	14.3%	67.2%	50.5%	11.1%	67.7%	58.7%	71.6%	11.6%	64.6%	79.9%	91.8%	75
	Holly	60	6.7%	83.3%	68.3%	3.3%	83.3%	81.7%	100.0%	16.7%	66.7%	95.0%	90.0%	100
	Leifeste	271	8.5%	80.4%	69.0%	11.1%	65.7%	70.1%	66.1%	10.0%	64.9%	88.6%	81.5%	90
	Wheeler	162	8.6%	85.8%	75.9%	23.5%	58.0%	61.7%	73.9%	14.8%	62.3%	87.0%	84.6%	90
SETMA West	Curry	116	13.8%	74.1%	51.7%	12.1%	62.9%	72.4%	81.0%	17.2%	60.3%	87.1%	93.1%	100
	Deiparine	192	8.9%	74.5%	53.1%	24.0%	45.8%	59.9%	92.3%	11.5%	55.7%	66.1%	90.1%	85
	Halbert	302	13.9%	75.8%	61.3%	19.9%	56.6%	42.4%	97.5%	16.9%	56.0%	57.9%	84.8%	85
	Horn	192	3.1%	82.3%	66.7%	1.6%	60.4%	49.0%	82.1%	15.6%	51.0%	81.8%	95.3%	90
	Satterwhite	116	14.7%	68.1%	47.4%	14.7%	63.8%	53.4%	90.3%	23.3%	44.8%	76.7%	87.1%	85

Quality Assessment & Performance Improvement



Quality Assessment and Performance Improvement (QAPI) is SETMA's roadmap for the future. With data in hand, we can begin to use the outcomes to design quality initiatives for our future.

We can analyze our data to identify disparities in care between

- Ethnicities
- Socio-Economic Groups
- Age Groups
- Genders

Quality Assessment & Performance Improvement



SETMA's Model of Care along with the technology of COGNOS -- this pairing of medicine and technology -- can transform the delivery of healthcare and is worthy of being adopted by others.

Quality Assessment & Performance Improvement



By expanding SETMA's COGNOS Project, we are also designing a quality improvement initiative for the elimination of preventable readmissions to the hospital.

www.jameshollymd.com



Please visit us at www.jameshollymd.com where you will find all of our public reporting, electronic patient management and medical

Welcome to Southeast Texas Medical Associates, LLP - Windows Internet Explorer

http://www.setma.com/

File Edit View Favorites Tools Help

★ Favorites Welcome to Southeast Texas Medical Associates, LLP

Home RSS Print Page Safety Tools

Healthcare Where Your Health is the Only Care

Enter

**SOUTHEAST TEXAS
SEMA
MEDICAL ASSOCIATES, L.L.P.**

SETMA I 2929 Calder	SETMA II 3570 College	SETMA West 2010 Dowlen	833-9797
-------------------------------	---------------------------------	----------------------------------	----------

www.jameshollymd.com



Healthcare Where Your Health is the Only Care



- About Us ▾
 - Letters
 - In The News ▾
 - Providers ▾
 - Your Life Your Health ▾
 - Patients ▾
 - I-CARE Initiative
-
- Electronic Patient Management Tools ▾
 - Public Reporting ▾
 - Medical Home ▾
 - NCQA PC-MH Application ▾
 - NextMD

"Healthcare improvement will result from transformation, not reformation. Reform comes from external pressure; transformation comes from internalized values and energy." -

James L. Holly, MD, CEO, SETMA, LLP

Featured Content of Website and of SETMA's Work

- Gartner Business Intelligence Excellence Award – SETMA One of Three Semi-Finalist for 2011
- SETMA's Transitions of Care Letter to Don Berwick, Administrator of CMS, April, 2011
- Address to the Spring meeting of the Society for Academic CME, April, 2011
- Address to the staff of the Office of the National Coordinator HIT, HHS, March 31, 2011
- Address to the Patient-Centered Primary Care Collaborative Stakeholders' Workshop, March 30, 2010
- SETMA's Pilgrimage to a Patient-Centered Medical Home, The Doctor's Office, HealthLeader's Media, March 2011
- James L. Holly, MD, Healthcare Informatics Magazine Blog, February 2011
- SETMA Awards and Recognitions

Your Life Your Health - 04/14/2011

2011 Gartner Business Intelligence Excellence Awards

SETMA A Semi-Finalist

About Gartner

Gartner, Inc. (NYSE: IT) is the world's leading information technology research and advisory company. Gartner delivers the technology-related insight necessary for its clients to make the right decisions, every day. From CIOs and senior IT leaders in corporations and



Healthcare Where Your Health is the Only Care

- About Us
- Letters
- In The News
- Providers
- Your Life Your Health
- Public Reporting
- Medical Home
- NCQA PC-MH
- Electronic Patient Management Tools
 - ICD-9 Coding
 - Suites of Templates
 - Disease Management Tools
 - Hospital Based Tools
 - Preventive Health Tools
 - Nursing Home
 - Specialized Tools
 - Electronic Tickler File
 - HCC & RxHCC Risk
 - Chronic Conditions Tutorial
 - Association of Medication and Diagnosis
 - Framingham Cardiovascular Risk
 - Medication Module
 - Renal Failure
- Public Reporting
- Medical Home
- NCQA PC-MH

result from transformation, not reformation. Re
from internalized values and energy." -
Jar

d of SETMA's Work

Excellence Award – SETMA One of Three Semi-Finalis
tter to Don Berwick, Administrator of CMS, April, 2011
of the Society for Academic CME, April, 2011
ce of the National Coordinator HIT, HHS, March 31, 2
ed Primary Care Collaborative Stakeholders' Worksh
t-Centered Medical Home, The Doctor's Office, Heal
e Informatics Magazine Blog, February 2011
ns

2011

Excellence Awards

ading information technology research and advisory compa
make the right decisions, every day. From CIOs and seni
rs in high-tech and telecom enterprises and professional s
clients in 11,000 disti

The Future



The future of quality metrics and the auditing of provider performance are constantly evolving. SETMA's COGNOS Project allows us to both participate in the future and to define it; and, ultimately to pay attention to the things that matter and the things that will result in improved health for all of our patients.