

Using Analytics to Manage a High Performing Network

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September 23, 2017

MEMORIAL
HERMANN

- Memorial Hermann Snapshot
- Preparing for Bundled Contracts
- Informing Network and Contract Performance
- Addressing Network Leakage

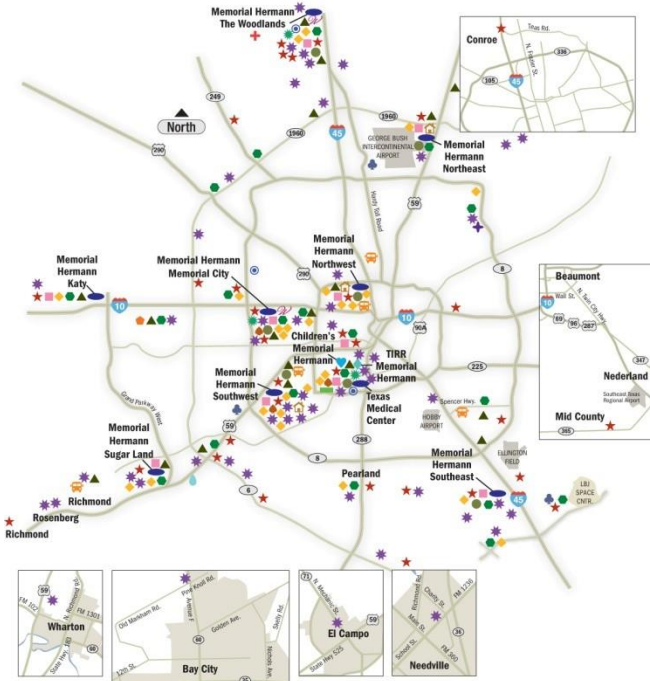
Company Snapshot - 2017

The Market Leader



\$6.0B Total Assets¹
\$5.3B Net Operating Revenue¹
24,000 Employees; 5,000 Physicians

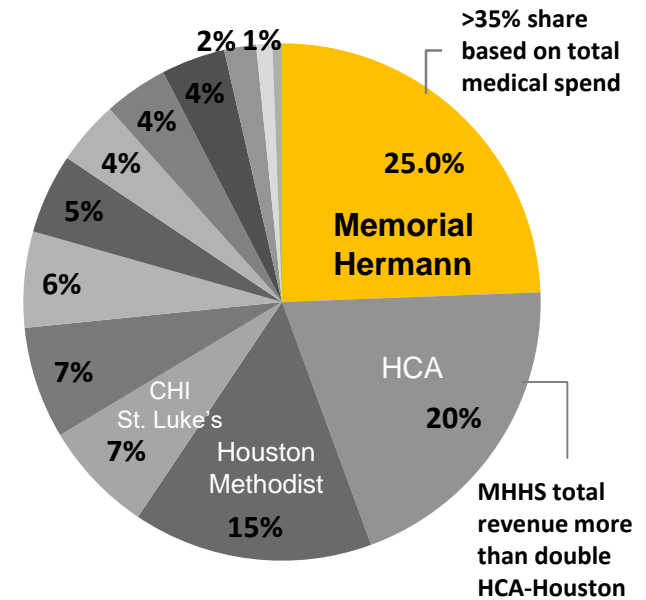
267 Locations



Market Share Ranking

- 1st: Aggregate Market Share
- 1st: Burns
- 1st: Cardiology
- 1st: ENT
- 1st: General Medicine
- 1st: General Surgery
- 1st: Neurology
- 1st: Neurosurgery
- 1st: Ophthalmology
- 1st: Orthopedics
- 1st: Rehab
- 1st: Spine
- 1st: Thoracic Surgery
- 1st: Urology
- 1st: Vascular
- 2nd: Gynecology
- 2nd: Neonatology
- 2nd: Obstetrics
- 2nd: Oncology

Inpatient Market Share

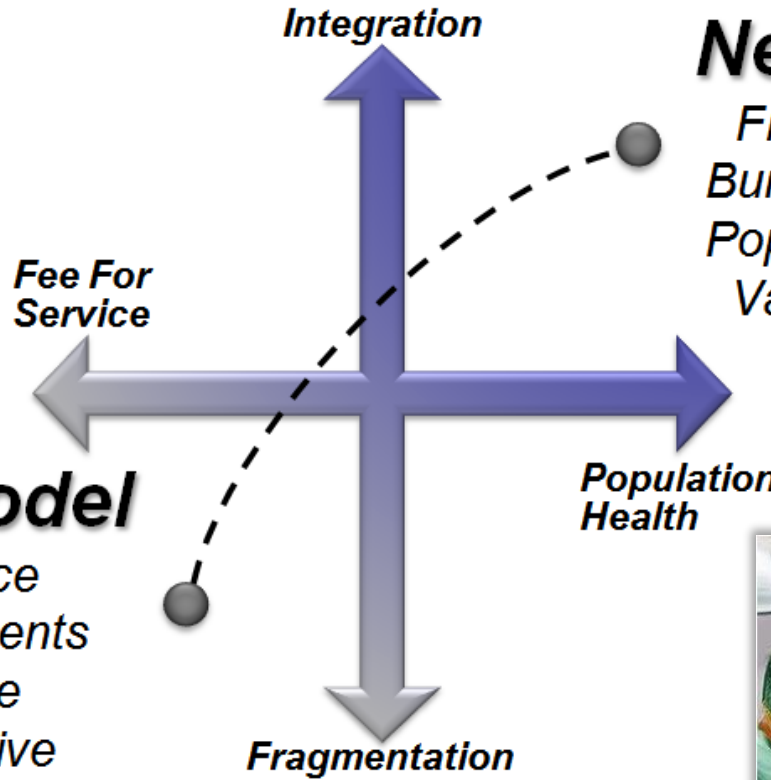


Greater Houston MSA 6.6 million population, projected to 7.1 million (2020)

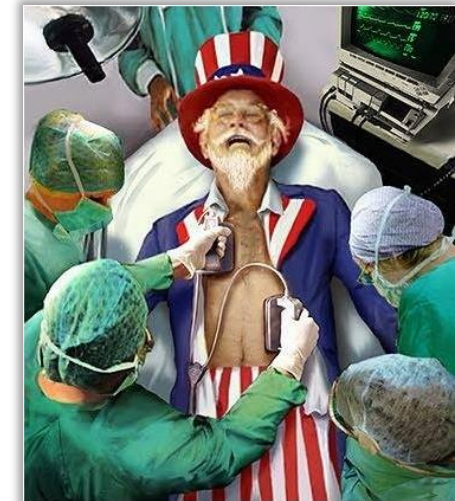
Moving to Value



Current Model
 Fee-for-Service
 Disparate Payments
 Illness & Cure
 Volume Incentive
 Fragmentation

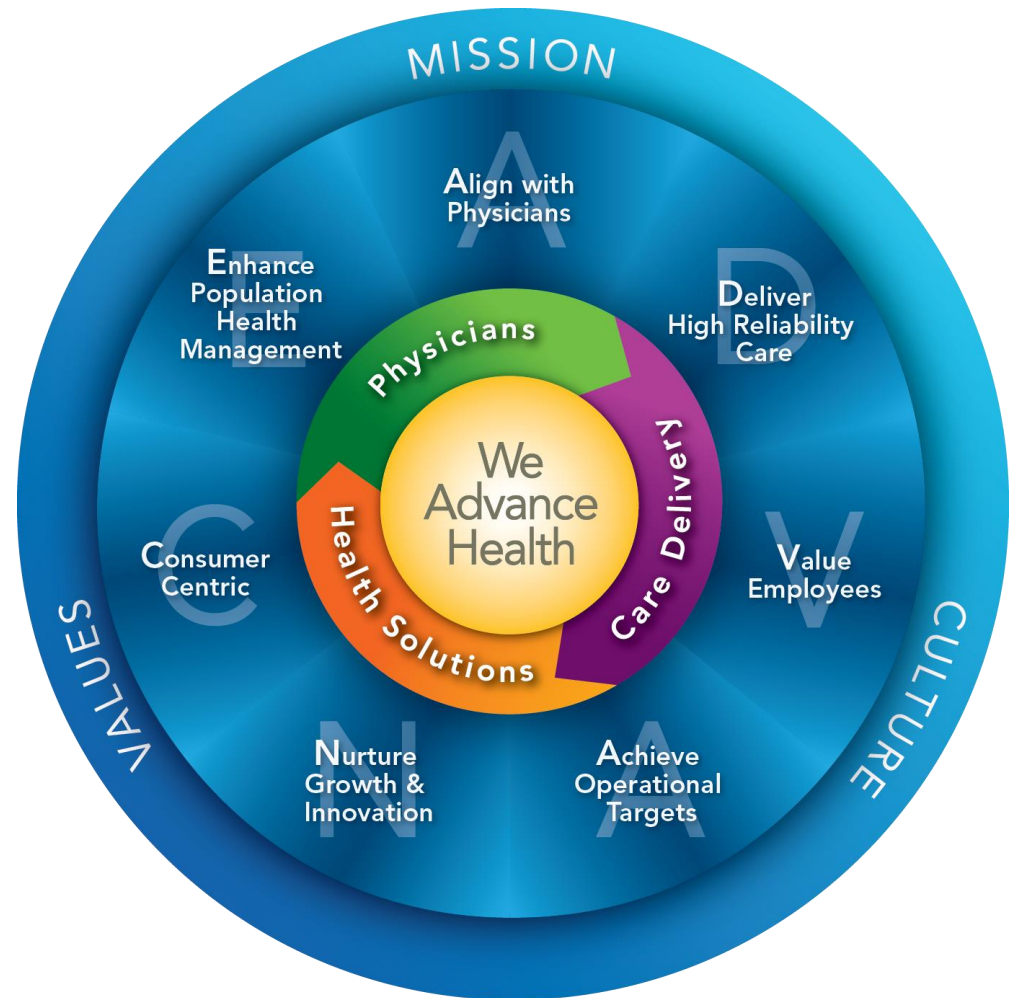


New Model
 Fixed Payment
 Bundled Payment
 Population Health
 Value Incentive
 Integration



$$\text{Value} = \frac{\text{Quality}}{\text{Cost}}$$

Memorial Hermann employees and physicians will provide exceptional end-to-end patient care experiences anchored by superior quality, clinical excellence and affordable care with a commitment to advance the health of our patients and members.



Memorial Hermann Care Delivery



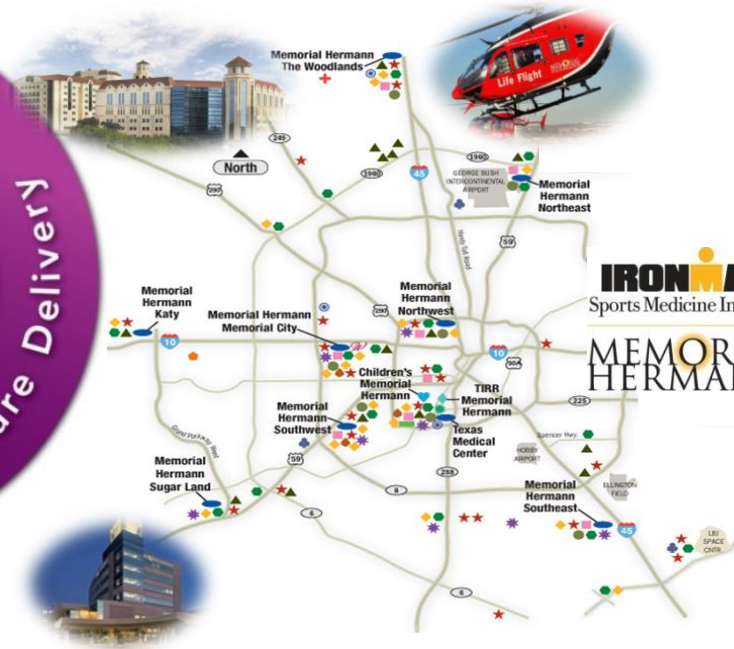
Care Delivery: Indispensable market leader in health delivery

Texas Medical Center

- Primary teaching hospital for The University of Texas Medical School at Houston
- Children's Memorial Hermann Hospital
- TIRR Memorial Hermann
- Memorial Hermann Heart & Vascular Institute – Texas Medical Center
- Mischer Neuroscience Institute
- MH Ironman Sports Medicine Institute
- Memorial Hermann Clinical Innovation & Research Center
- Nation's Busiest Level 1 Trauma Center with 7,000 cases/year and 3,500 *Life Flight* transports/year

Community Hospital Portfolio

- The Woodlands Hospital
- Greater Heights Hospital
- Southwest Hospital
- Southeast Hospital
- Orthopedic and Spine Hospital
- Memorial City Medical Center
- Sugar Land Hospital
- Katy Hospital
- Northeast Hospital
- Pearland
- Cypress (planned)



Ambulatory Portfolio

- Sports Medicine & Rehabilitation Centers: 41
- Ambulatory Surgery Centers/Hospitals: 20
- Diagnostic Laboratories: 28
- Imaging Centers: 24
- Cancer Centers: 7
- Breast Care Centers: 9
- 24 Hour Free Standing ER: 1
- Convenient Care Centers: 5

Post Acute Portfolio

- TIRR Inpatient Rehab Centers: 7
- Retirement/Nursing Center: 1
- Home Health Branches: 3
- Inpatient Hospice: 1

Health Solutions



Health Solutions: Value-added health plans & employer solutions

MEMORIAL HERMANN[®] Accountable Care Organization

- New subsidiary of MHHS
- Formed to meet the intent of both Commercial and Medicare ACO principles
- Applied as an ACO for the CMS shared savings program – July 1 start

MHiE

Facilitates access to and retrieval of clinical data to provide safer, more timely, efficient, effective, patient-centered care by providing the capability to electronically share clinical information among disparate health care information systems in a useful manner.



MEMORIAL HERMANN[®] Health Insurance Co

- Self-insured / TPA Services
- Fully-insured license
- Employer-based contracting
- Member Cost Share / Incentives to encourage engagement in their health
- Narrow Network of Highest Quality
- Competitive Provider Contracts built with Integral Pay for Performance structures



The MH ACO allows for integration of a pluralistic physician model (UT, MHMG & MHMD) to drive quality outcomes



MEMORIAL HERMANN
Accountable Care Organization

Commercial

Medicare



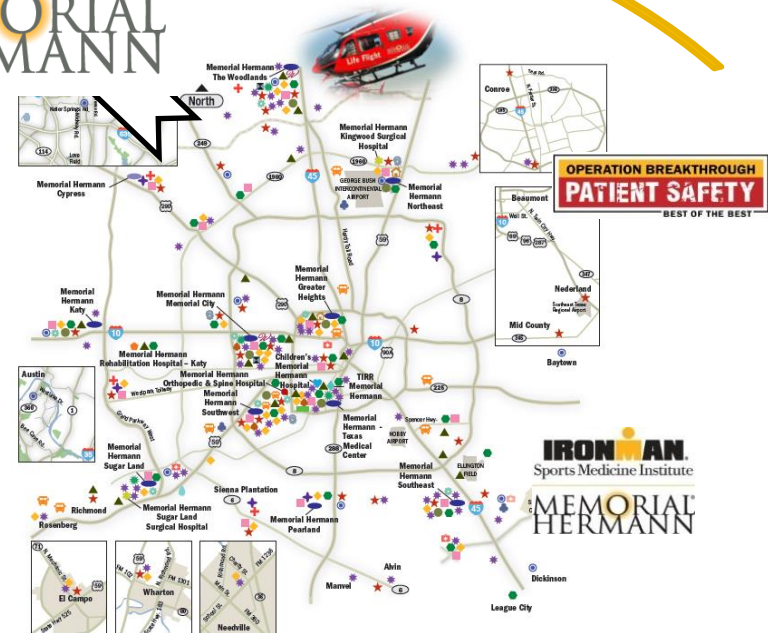
~4,000 MHMD Physicians, ~3500 'CIN'
Clinically Integrated Network
Private, Employed & Faculty Integration

3 DISTINCT PRACTICE MODELS

Employment

Private

Faculty



Population Health Infrastructure

Physician Integration

Physicians: Fully integrated physician network

MHMD

- 3,600 physicians members
- 2,600 clinically integrated physicians
- Unites private practice, academic faculty, and employed physicians
- Clinical Programs Committees linked to System Quality Committee
- Foundation for Memorial Hermann Accountable Care Organization



University of Texas Medical School, Houston

- 1,075 Faculty Members
- 24 Departments
- 920 Residents and Fellows
- 954 Medical Students
- 1 Million Annual Clinical Encounters

Memorial Hermann Medical Group

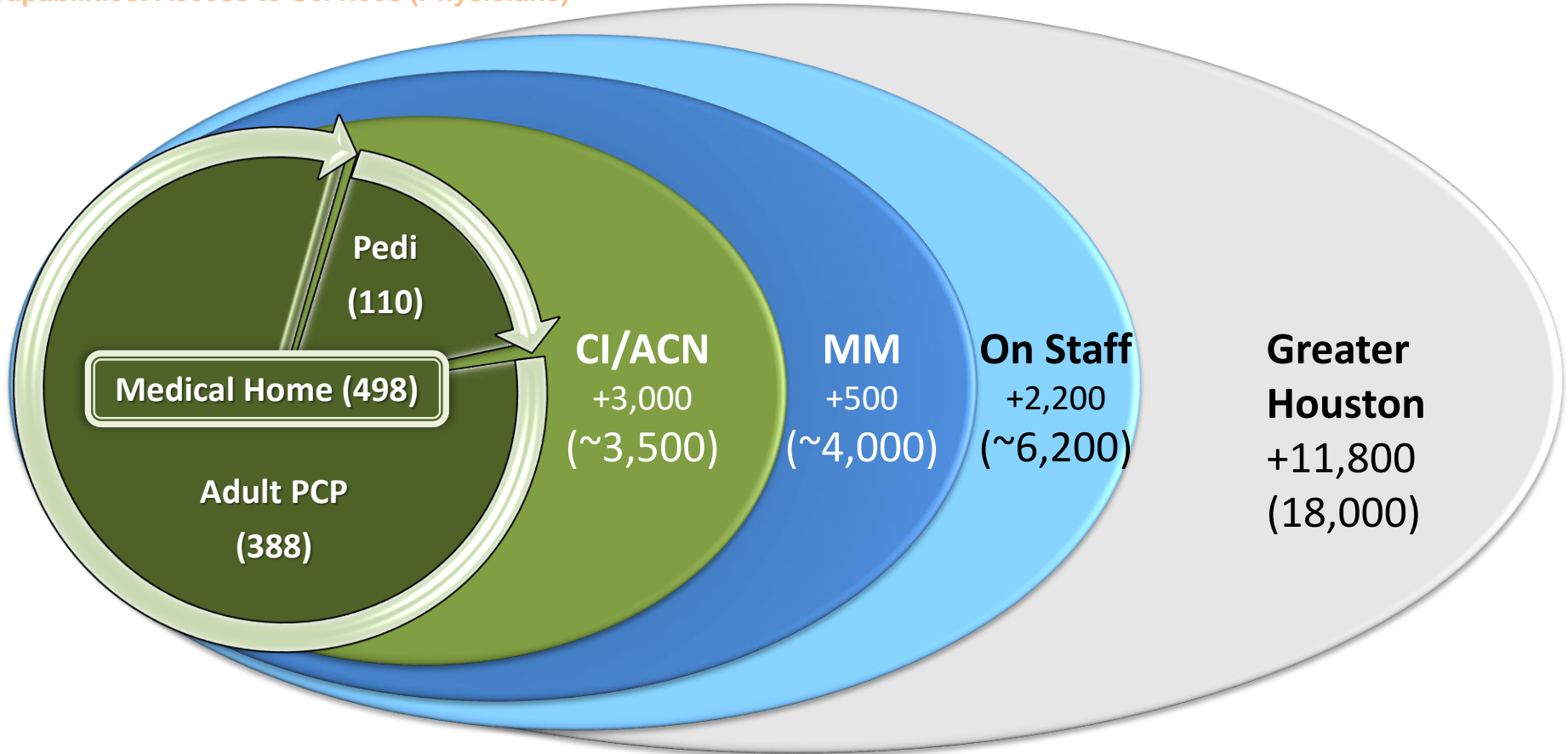
- 501(a)
- 142 Employed Physicians
- Primary care and specialists

Clinical Integration Principles

- Create order sets, protocols, and performance standards
- Connect systems and share data
- Report and manage quality outcomes

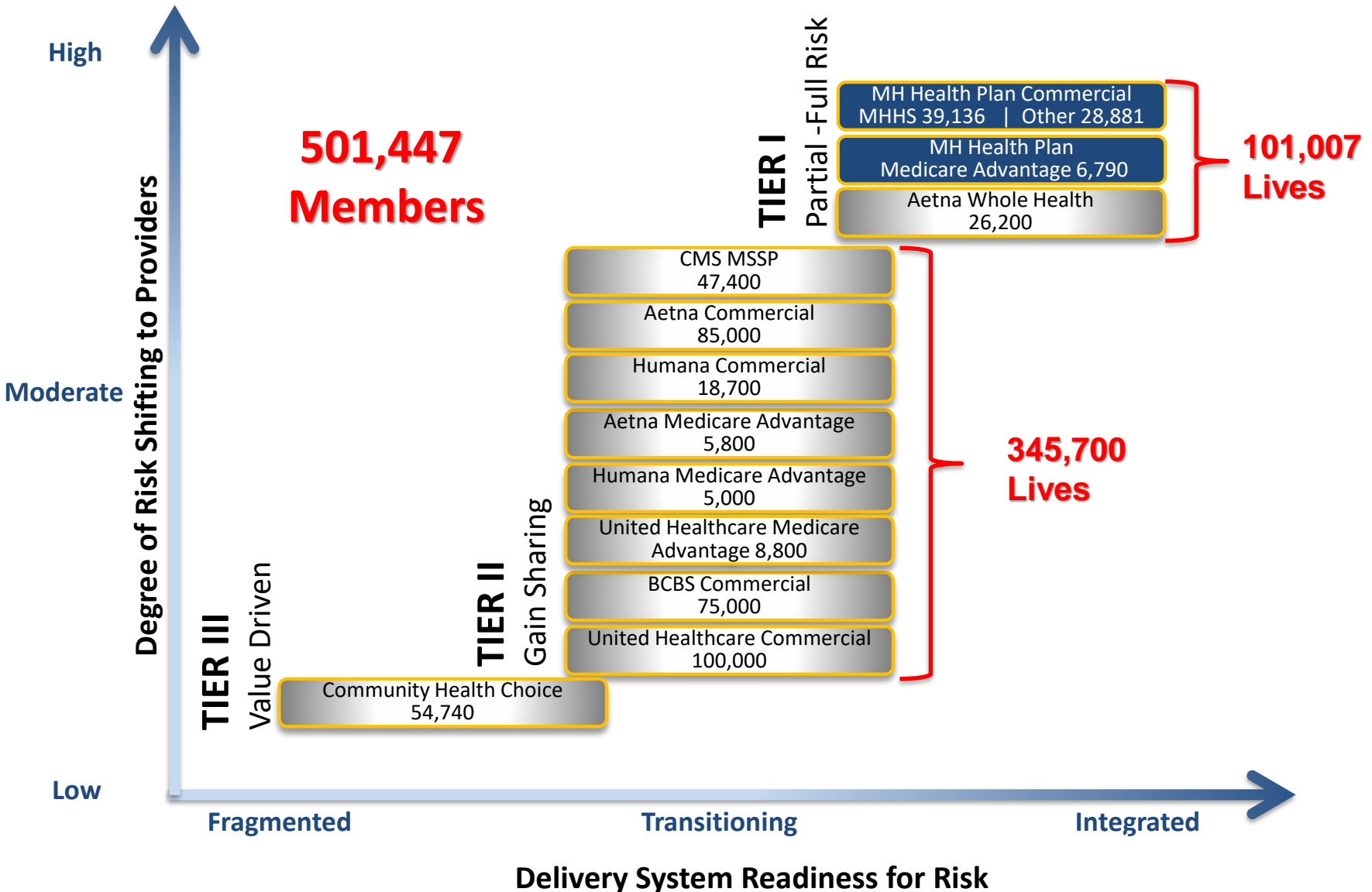
There are approximately 3,500 physicians who have different levels of integration with MH's ACO

Capabilities: Access to Services (Physicians)



Medical Home: Highly MH Aligned PCPs and Pedi
CI/ACN: Clinical Integration/Accountable Care Network *(Includes UT MDs)*
MM: Messenger Model
Staff: Physicians on Staff at MH (**Includes USPI facilities)

MH assumes varying degrees of risk for their ACO members



Cerner's Pop Health Platform

Aggregate and normalize



Create and apply intelligence



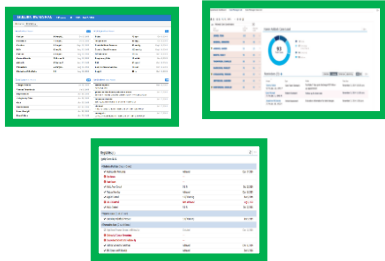
Act and measure



Population Health Platform



Applications



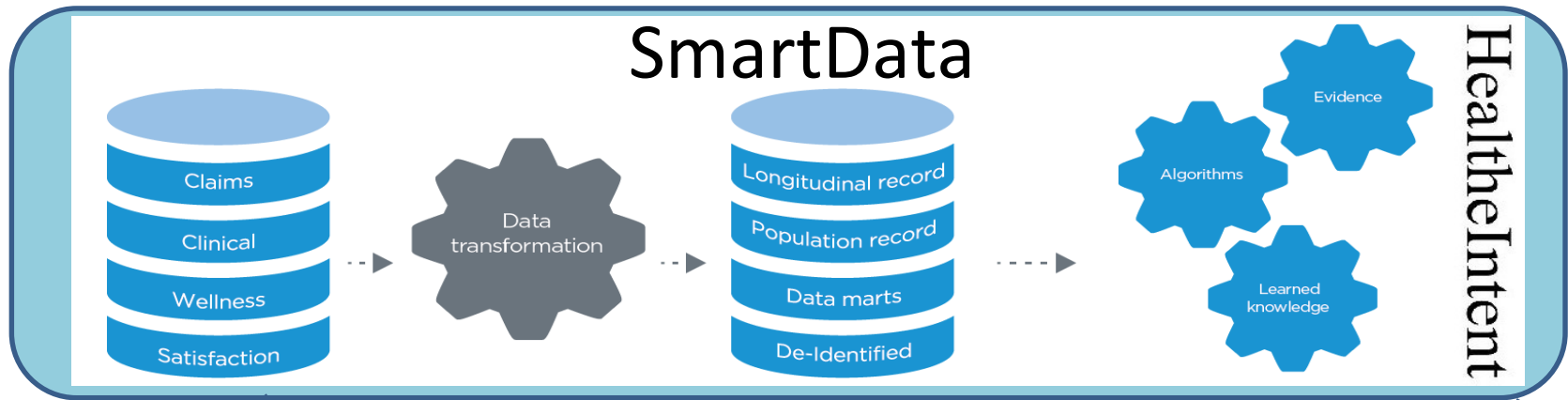
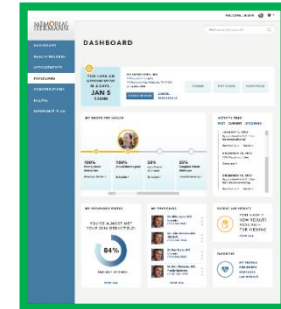
Algorithms

- Sepsis
- TOC
- Readmissions
- HCC Suspected
- 3M
- Truven

Analytics



Consumer



EMRs



Paid Claims

On-site Biometrics



GE Healthcare



Embedded Content

Benchmarks



Hospital General Information
Healthcare Associated Infections
Readmissions, Complications, & Death
Value Based Purchasing Scores
Timely & Effective Care
Outpatient Imaging Efficiency
Relative Value Units
Hospital Acquired Condition
Heart Attack Payment Data
Hospital ACS Measures
Medicare Hospital Spending by Claim
Medicare Volume
Outpatient Procedures Volume
Measure Dates
HCAHPS
Medicare Prescribing Data

Evidence-based Algorithms*



Potentially Preventable Events
MS-DRG Grouper
MDC Grouper
Service Categorizations
Episode Groupers
Benchmarks



Service Categories



MARA Prospective risk score
MARA Retrospective risk score



Emergency Department Visit
Classification



HCC Suggested Diagnosis
HCC Persistence Diagnosis
Recommended Transition of Care
Readmission Risk
Sepsis Risk



TCRRV/TCOC

Reference



Social
Vulnerability
Index



American
Time Use
Survey



Tract-Zip &
Zip-Tract



NPPES
National Plan & Provider Enumeration System

*Some content requires corresponding Analytics package

Preparing for Bundled Contracts

- Understand physician performance in an episodic context
 - Especially important for specialists
 - Provides different lens for cost in care continuum
- Ability to group across different types
 - Episodes, Diagnoses, Risk
- Setting up for employer “Centers of Excellence” Care

Preparing for Bundled Contracts

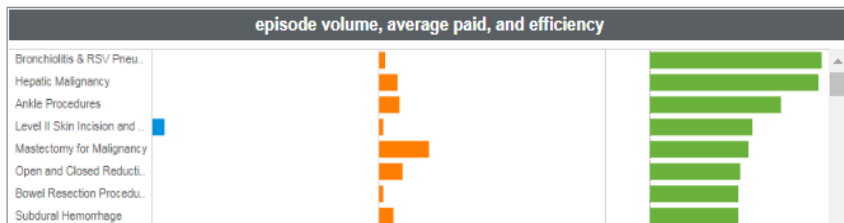
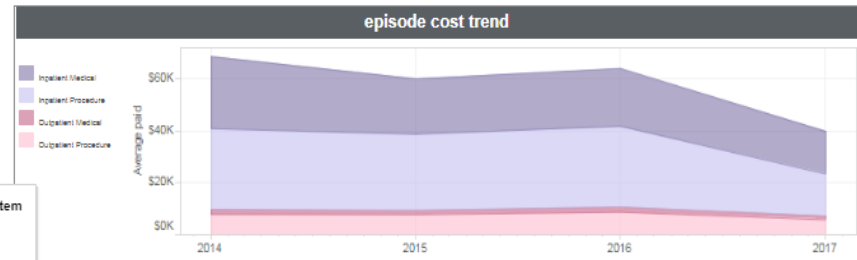
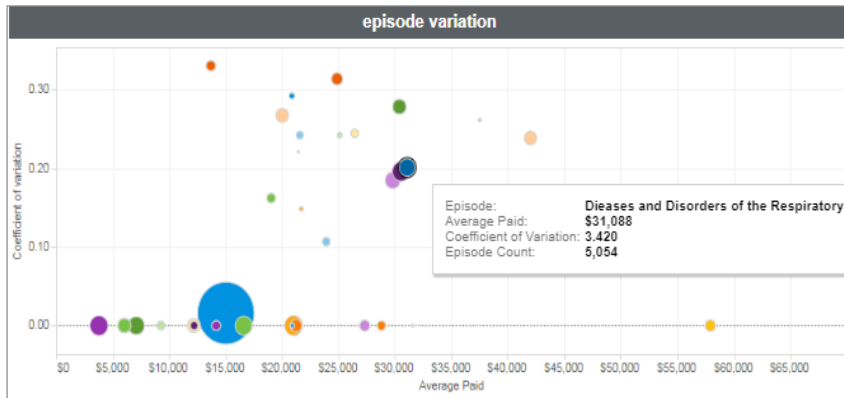


Episode Type

In/Out Net...

Facility

Hover for Detail



facility

Facility Id	Episodes	Total Resourc..	Observed/Exp..
...

Preparing for Bundled Contracts

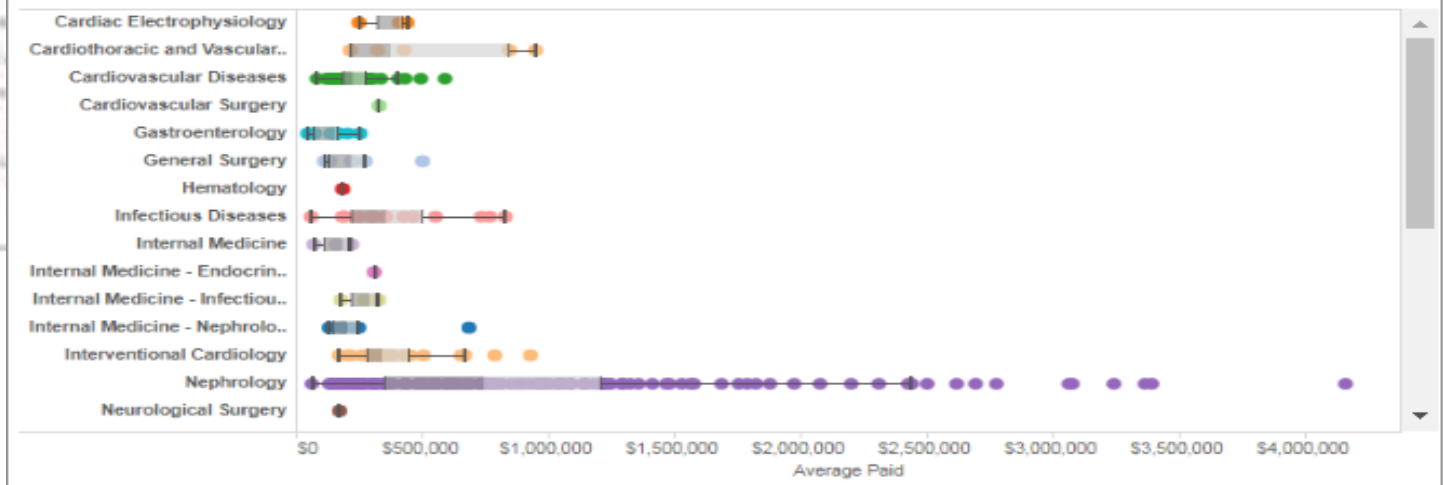
episode efficiency by region



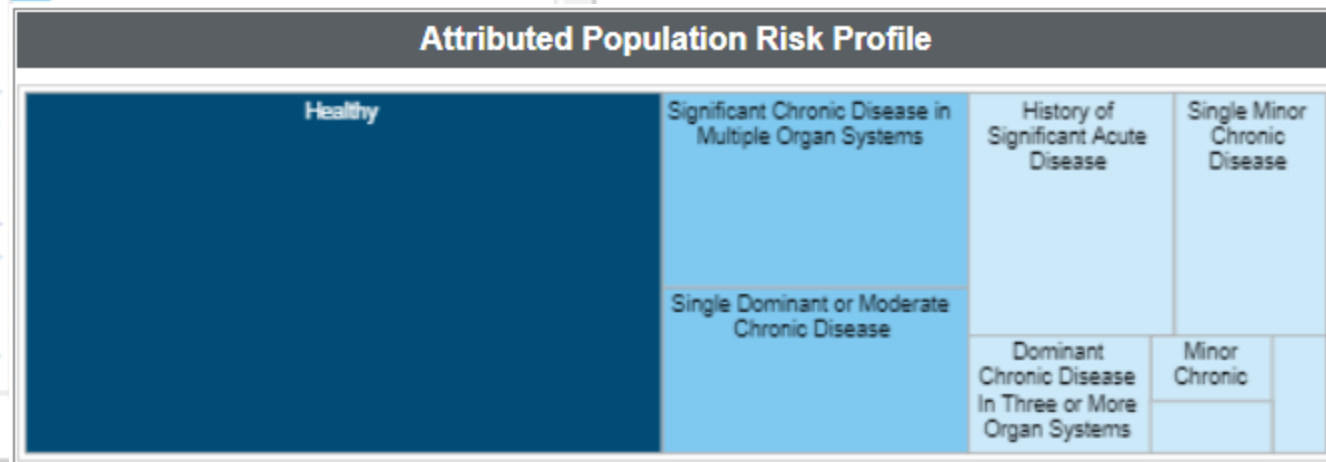
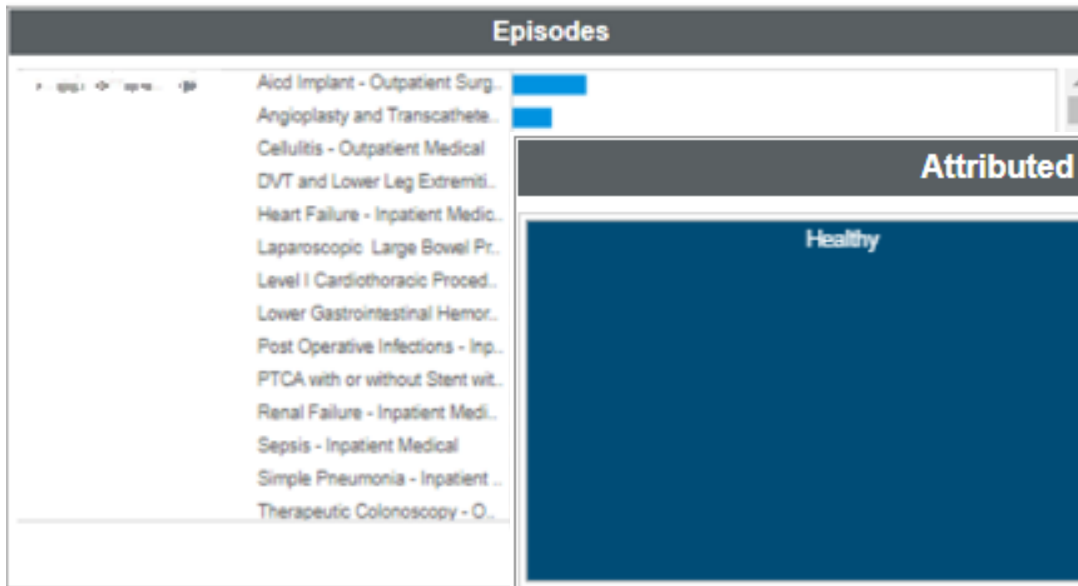
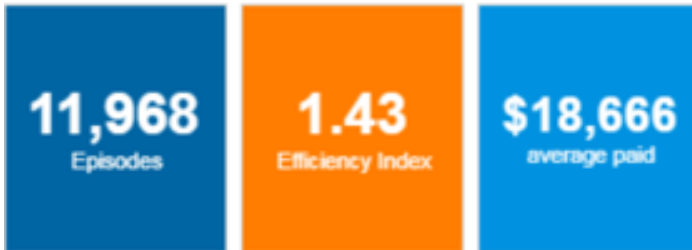
provider observed-to-expected episode costs



provider peer comparison



Preparing for Bundled Contracts



Informing Network/Contract Performance



- Analytics to track overall performance
 - CMO Scorecard – key metrics to review and track
 - SmartRegistry/Quality Dashboard – tool and analytics solution to manage care gaps
 - HCC tool/HCC Dashboard – tool and analytics to manage MA plan performance

CMO Scorecards



Aetna MA

Avg Overall Risk

1.47

	2017			2017
	January	February	March	YTD
Total Paid Charges	\$6,866,239.46	\$7,030,348.88	\$7,399,640.61	\$21,296,228.95
# Member Months	7,514	7,619	7,793	22,926
PMPM	\$913.79	\$922.74	\$949.52	\$928.91
PMPM Inpatient	\$233.96	\$273.81	\$226.28	\$244.59
PMPM Pharmacy	\$188.12	\$180.64	\$205.30	\$191.48
PMPM Professional	\$306.60	\$303.27	\$320.74	\$310.30
PMPM Home Health	\$25.65	\$20.74	\$30.56	\$25.69
PMPM Hospice	\$0.00	\$0.00	\$0.00	\$0.00
PMPM Psych	\$0.00	\$2.32	\$0.00	\$0.77
PMPM Rehab	\$209.36	\$243.29	\$220.36	\$224.38
PMPM Skilled Nursing	\$30.73	\$24.21	\$26.84	\$27.24
Admits per 1000	261.91	244.13	221.74	242.34
ED Visits per 1000	533.4	469.35	523.55	508.77
High Cost Imaging per 1000	530.21	526.05	558.96	538.6
GDU %	86%	87%	87%	87%
Risk Adjusted - PMPM	\$1,345.79	\$1,358.96	\$1,398.41	\$1,368.05
Risk Adjusted - Inpatient PMPM	\$636.97	\$643.21	\$661.88	\$647.51
Risk Adjusted - Pharmacy PMPM	\$0.00	\$0.00	\$0.00	\$0.00

Aetna PCMH

Avg Overall Risk

1.37

	2017			2017
	January	February	March	YTD
Total Paid Charges	\$29,983,428.82	\$25,851,159.20	\$28,171,443.14	\$82,006,031.16
# Member Months	83,087	82,152	76,060	241,299
PMPM	\$360.87	\$314.67	\$344.09	\$339.85
PMPM Inpatient	\$77.97	\$55.89	\$53.65	\$62.79
PMPM Pharmacy	\$38.60	\$35.99	\$34.95	\$36.56
PMPM Professional	\$114.98	\$111.65	\$121.09	\$115.77
PMPM Home Health	\$0.01	\$0.00	\$0.00	\$0.00
PMPM Hospice	\$0.08	\$0.10	\$0.09	\$0.09
PMPM Psych	\$0.38	\$0.11	\$0.00	\$0.17
PMPM Rehab	\$50.14	\$34.43	\$36.95	\$40.64
PMPM Skilled Nursing	\$0.54	\$0.38	\$0.26	\$0.40
Admits per 1000	51.99	41.34	43.88	45.8
ED Visits per 1000	213.9	204.5	218.51	212.15
High Cost Imaging per 1000	123.92	113.64	125.27	120.85
GDU %	85%	85%	84%	84%
Risk Adjusted - PMPM	\$492.66	\$429.60	\$469.75	\$463.97
Risk Adjusted - Inpatient PMPM	\$115.46	\$100.68	\$110.10	\$108.74
Risk Adjusted - Pharmacy PMPM	\$78.86	\$67.02	\$73.29	\$72.39

Registries and Measures



Adult Wellness:

- Annual Office Visit
- Blood Pressure Measurement
- Blood Pressure Re-Screen
- Body Mass Index
- Body Mass Index Follow-up Plan
- Breast Cancer Screening (ages 40-64)
- Cervical Cancer Screening (ages 21-64)
- Colorectal Cancer Screening (ages 50-64)
- Depression Screening
- Depression Follow-up Plan
- Influenza Vaccination
- Post-Osteoporotic Fracture Evaluation – Women
- Post-Osteoporotic Fracture Evaluation – Men
- Tobacco Use Screening and Cessation

Senior Wellness:

- Annual Office Visit
- Blood Pressure Measurement
- Blood Pressure Re-Screen
- Body Mass Index
- Body Mass Index Follow-up Plan
- Bone Density Screening
- Breast Cancer Screening (ages 65-69)
- Colorectal Cancer Screening
- Depression Screening
- Depression Follow-up Plan
- Fall Risk Screening
- Influenza Vaccination
- Post-Osteoporotic Fracture Evaluation – Women
- Post-Osteoporotic Fracture Evaluation – Men
- Pneumonia Vaccination

Pediatric Wellness:

- Annual Office Visit
- Adolescent Depression Screening
- Immunization Status Age 2
- Tobacco Exposure Screening
- Tobacco Use Screening and Cessation

COPD Registry:

- Semi-Annual Office Visits

Adult Diabetes:

- Antiplatelets for DM with IVD/CAD
- Blood Pressure < 140/90 mm Hg
- Diabetes Tx Mgmt ACE Inhibitor or ARB Therapy
- Eye Exam
- HbA1C Monitoring
- HbA1C <8%
- HbA1c Poorly Controlled – HbA1c >9%
- Lipid Panel
- LDL < 100 mg/dL
- LDL Poorly Controlled – LDL \geq 130 mg/dL
- Nephropathy Screening
- Semi-Annual Office Visits
- Tobacco Use Screening and Cessation

Heart Failure:

- Beta Blocker for Low EF (<40%)
- Beta Blocker Therapy After AMI
- Semi-Annual Office Visits

Hypertension:

- Blood Pressure < 140/90 mm Hg

Ischemic Vascular Disease Coronary Artery Disease:

- AMI or CAD: ACEI or ARB if diabetic or EF <40%
- Antiplatelet Therapy
- Lipid Panel
- LDL < 100 mg/dL
- Lipid-Lowering Therapy

Asthma:

- Medication Management

Back Pain:

- Imaging Studies for Low Back Pain

Rheumatoid Arthritis Management:

- Rheumatoid Arthritis Management

Ambulatory Urgent Care:

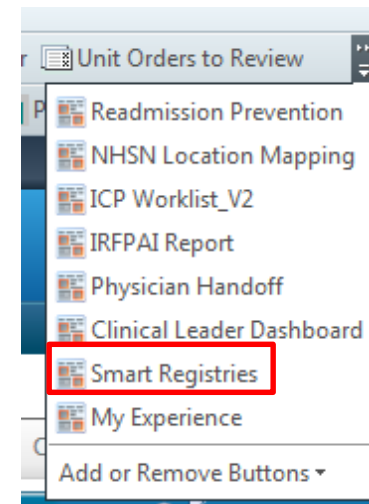
- Avoidance of Antibiotic Treatment in Patients w/ Acute Bronchitis
- Appropriate Treatment for Children w/ URI
- Appropriate Testing for Children w/ Pharyngitis

SmartRegistry: Integrated Workflow

- PowerChart/PowerChart Ambulatory users have integrated and streamlined access to the SmartRegistry module.

- Web-based access to SmartRegistry portal also an option.

Smart Registries (5)			
Quality Score: 78%			
Adult Wellness (6 out of 8 met)			
✓ Annual Office Visit	---	Achieved	Apr 4, 2016
✓ Blood Pressure Measurement	🕒 May 20, 2017	91/57 mmHg	May 18, 2016
⊗ Blood Pressure Re-Screen Plan	---	Excluded	Dec 22, 2015
✓ Body Mass Index	🕒 May 12, 2017	Achieved	May 12, 2016
⊗ Breast CA Screening (ages 40-64)	🕒 Aug 29, 2015	Not Achieved	Aug 29, 2013
✓ Cervical CA Screening (ages 21-64)	🕒 Aug 20, 2016	Performed	Aug 21, 2013
✓ Colorectal CA Screening(ages 50-64)	🕒 Sep 29, 2023	Performed	Oct 1, 2013
⊗ Depression Screening	---	Excluded	Dec 11, 2015
⊗ Influenza Vaccination	---	Not Achieved	Mar 23, 2014
⊗ Post Osteoporotic Fx Evaluation	---	Excluded	Oct 20, 2015
✓ Tobacco Use Screening and Cessation	🕒 Apr 7, 2018	Achieved	Apr 7, 2016
Asthma (1 out of 1 met)			
✓ Medication Management	---	Achieved	Apr 24, 2016
Hypertension (1 out of 1 met)			
✓ Blood Pressure < 140/90 mm Hg	🕒 May 20, 2017	91/57 mmHg	May 18, 2016



Adult Wellness		6 out of 8 Met	
Registry Supporting Facts			
Achieved Apr 4, 2016 Annual Office Visit	91/57 mmHg May 18, 2016 Blood Pressure Measurement 🕒 May 20, 2017	Excluded Dec 22, 2015 Blood Pressure Re-Screen Plan	Achieved May 12, 2016 Body Mass Index 🕒 May 12, 2017
Not Achieved Aug 29, 2013 Breast CA Screening (ages 40-64) 🕒 Aug 29, 2015	Performed Aug 21, 2013 Cervical CA Screening (ages 21-64) 🕒 Aug 20, 2016	Excluded Dec 11, 2015 Depression Screening	Not Achieved Mar 23, 2014 Influenza Vaccination 🕒 Now
Excluded Oct 20, 2015 Post Osteoporotic Fx Evaluation	Performed Oct 1, 2013 Colorectal CA Screening(ages 50-64) 🕒 Sep 29, 2023	Excluded Oct 20, 2015 Post Osteoporotic Fx Evaluation	

SmartRegistry: MSSP Claims + eCW Encounter Data

The screenshot displays a patient's SmartRegistry dashboard. At the top, the patient's information is shown: 70 years, Female, DOB: Nov 17, 1945, and a Risk Score of 27.77. The dashboard lists several clinical conditions: Chronic Obstructive Pulmonary Disease (1 out of 1 Met), Heart Failure (1 out of 1 Met), and Ischemic Vascular Disease Coronary Artery Disease. Under the 'Registry Supporting Facts' section, there are three boxes: 'Excluded' for Antiplatelet Therapy (Feb 14, 2016), 'Achieved' for LDL < 100 mg/dL (Oct 14, 2015), and 'Achieved' for Lipid Panel (Apr 1, 2016). A detailed view of the 'Lipid Panel' is shown on the right, listing three items: 'Lipid panel This panel must include the following: Cholesterol,...' (Apr 1, 2016), 'TRIGLYCERIDES 155' (Oct 14, 2015), and 'LDL-CHOLESTEROL 84' (Oct 14, 2015). Red arrows point to the 'MSSP CMS Claims (Claim)' and 'ECWx EMR (EMR)' entries for the first two items. The footer includes the Cerner logo and copyright information: Copyright © 2016 Cerner Corporation. Use governed by contract with Cerner Corporation.

- MSSP Claims Data
- eCW EMR encounter with physician

Quality Dashboard

Filters

Top Areas for Improvement

Patient Type

(All)

Covered Lives

Cancel Apply

Network (All)

Region (All)

Payer Name (All)

Plan Name (All)

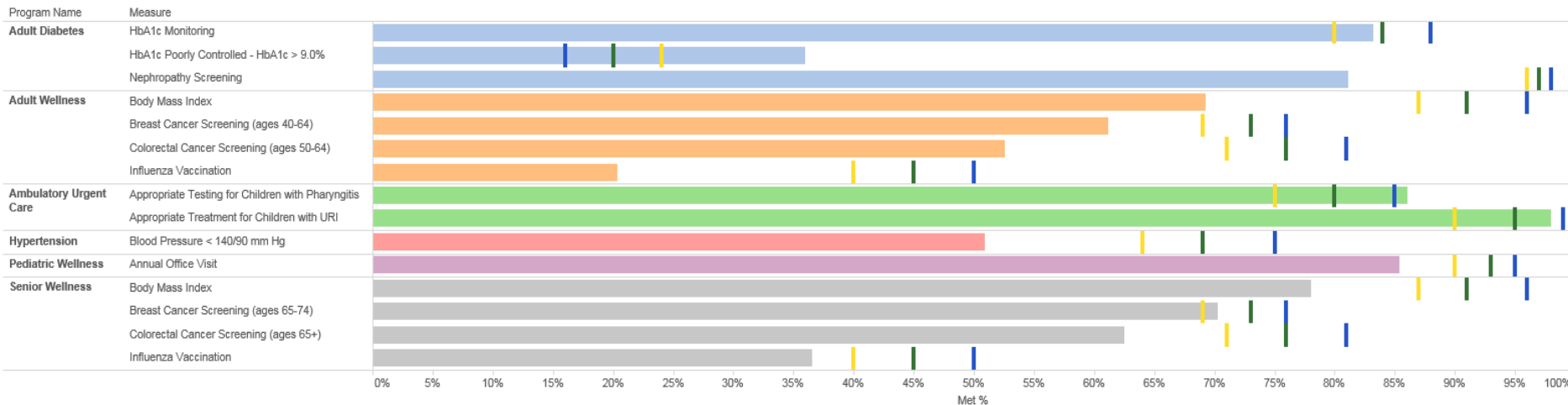
Program Name

- Adult Diabetes
- Adult Wellness
- Ambulatory Urgen...
- Hypertension
- Pediatric Wellness
- Senior Wellness

Top Areas for Improvement

26% Met Influenza Vaccination 418,930 Persons Qualified 28% Complete	53% Met Colorectal Cancer Screening (ages 50-64) 97,365 Persons Qualified 53% Complete	63% Met Colorectal Cancer Screening (ages 65+) 67,786 Persons Qualified 63% Complete	70% Met Breast Cancer Screening (ages 65-74) 34,749 Persons Qualified 70% Complete	81% Met Nephropathy Screening 47,000 Persons Qualified 81% Complete	83% Met HbA1c Monitoring 48,629 Persons Qualified 83% Complete
51% Met Blood Pressure < 140/90 mm Hg 199,008 Persons Qualified 72% Complete	61% Met Breast Cancer Screening (ages 40-64) 94,792 Persons Qualified 61% Complete	64% Met HbA1c Poorly Controlled - HbA1c > 9.0% 50,647 Persons Qualified 90% Complete	72% Met Body Mass Index 360,413 Persons Qualified 72% Complete	85% Met Annual Office Visit 76,640 Persons Qualified 85% Complete	86% Met Appropriate Testing for Children with Pharyngitis 2,317 Persons Qualified 86% Complete

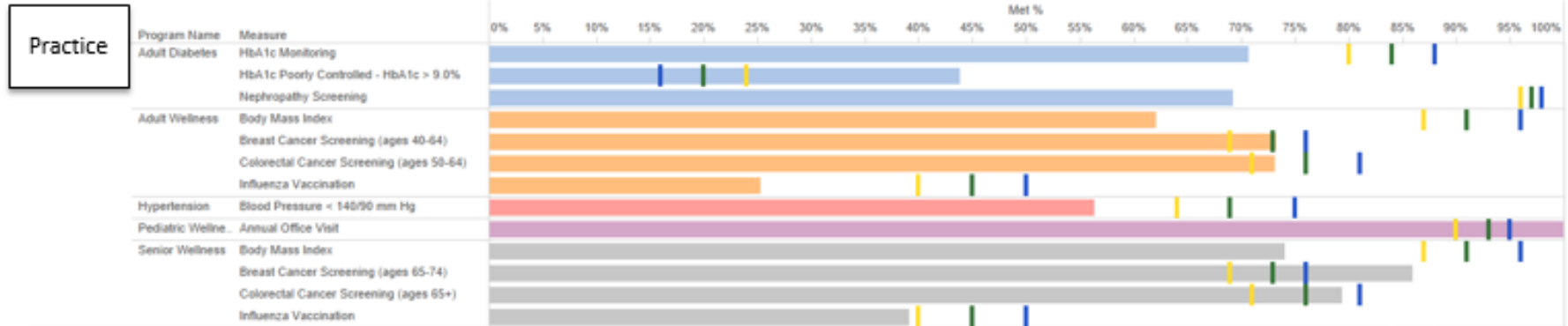
Overall Measure Met Percents



Quality – Provider/Practice

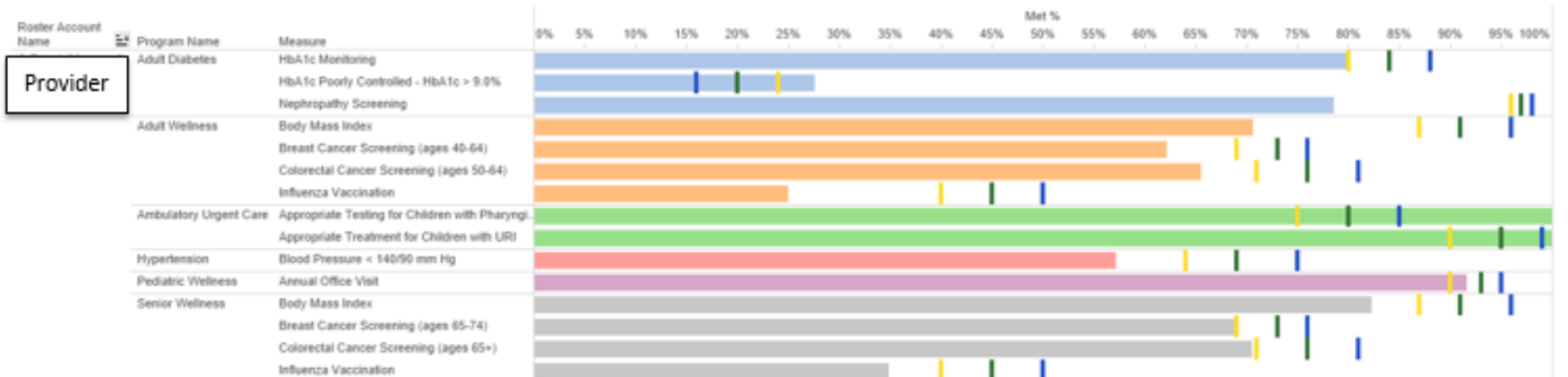
Practice View

Practice View



Provider View

Provider View



- Workflow tool for providers to help identify documentation requirements
 - **Persistent diagnoses**
 - Previously documented diagnoses which have not been documented yet in the calendar year on the patient.
 - **Suspected conditions**
 - Diagnoses that are supported by data within SmartData (HealthIntent), but have not ever been documented before, especially during this current year.

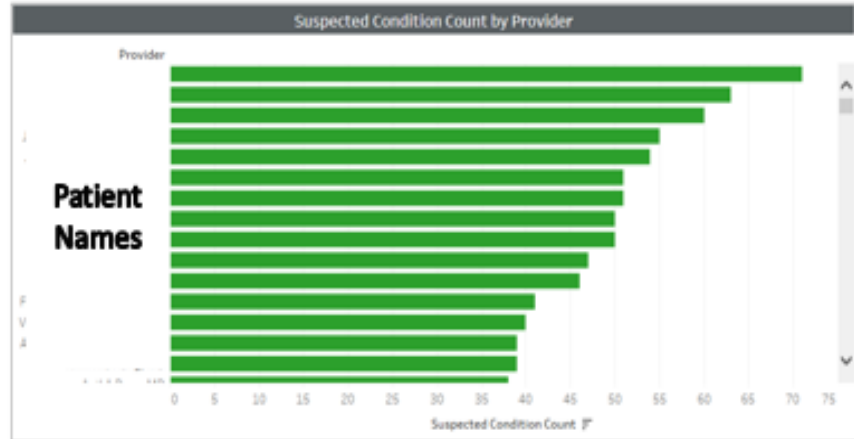
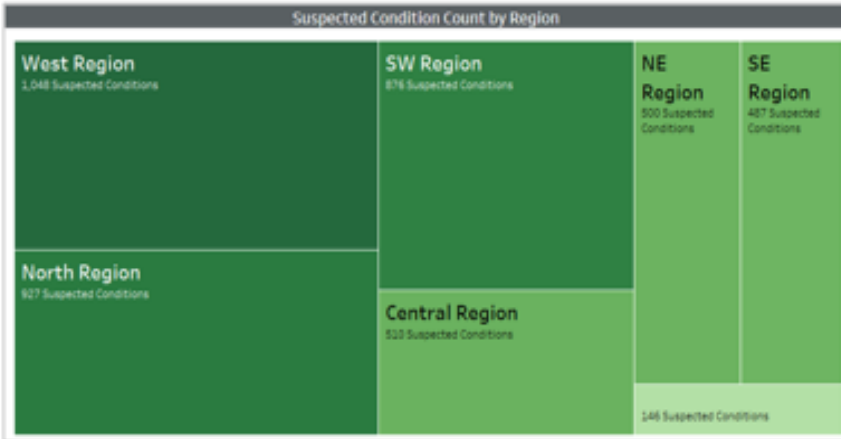
HCC Tool

Hierarchical Condition Categories (5)



Dx	Dx Description	Last Service Date	Suspected Condition	Supporting Facts - Last Service Dates	Competing Facts
HCC79 Seizure Disorders and Convulsions					
780.39	Atypical seizure	02/17/15	--	--	--
HCC86 Acute Myocardial Infarction					
--	--	--	Moderately Suspected	beta_blocker_cardioselective_present = true (01/20/15) antiplatelet_present = true (01/20/15)	--
HCC87 Unstable Angina and Other Acute Ischemic Heart Disease					
--	--	--	Moderately Suspected	beta_blocker_cardioselective_present = true (01/20/15) antiplatelet_present = true (01/20/15)	--
HCC135 Acute Renal Failure					
--	--	--	Highly Suspected	max_serum_creatinine_seven_days_value = 1.9 (01/11/15) max_serum_creatinine_forty_eight_hrs_value = 2.6 (01/10/15) min_serum_creatinine_seven_days_value = 1.1 (01/08/15)	--
HCC136 Chronic Kidney Disease, Stage 5					
--	--	--	Highly Suspected	gfr_val = 14.0 (01/09/15)	--

HCC Dashboard



Suspected Condition Supporting Facts

Patient information

Patient	Suspected Condition Name	Supporting Fact	Source Description	Day of Service Date
	Chronic Kidney Disease, S...	gfr	Memorial Hermann	January 17, 2017
	Angina Pectoris	acute-myocardial-infarcti...	Memorial Hermann Huma...	November 21, 2016
	Major Depressive, Bipolar	duloxetine	Memorial Hermann	June 20, 2017
	Diabetes with Acute Com...	incretin-mimetic	ECW's EMR	October 27, 2016
	Morbid Obesity	bmi	ECW's EMR	October 27, 2016
	Major Depressive, Bipolar, and Paranoid Disorders	sertraline	ECW's EMR	March 28, 2017
		unspecified-depression	ECW's EMR	June 19, 2017
	Major Depressive, Bipolar, and Paranoid Disorders	bupropion	ECW's EMR	November 9, 2016
		unspecified-depression	Memorial Hermann Healt...	April 6, 2017
	Major Depressive, Bipolar, and Paranoid Disorders	fluoxetine	ECW's EMR	October 19, 2016
		unspecified-depression	Memorial Hermann Healt...	April 20, 2017
	Morbid Obesity	bmi	ECW's EMR	May 30, 2017
	Protein Calorie Malnutrition	height	Memorial Hermann	February 20, 2017
		weight	Memorial Hermann	February 20, 2017
	Specified Heart Arrhythm...	cardiac-pacemaker	Memorial Hermann Healt...	February 21, 2017
	Morbid Obesity	height	Memorial Hermann	December 27, 2016

HCC Report

SmartAnalytics | Projects | Data Models | Data Sets | Queries | Administration

HCC Suspected Conditions

Web Intelligence | Track | Drill | Filter Bar | Views | Outline | Ready

HCC Suspected Conditions

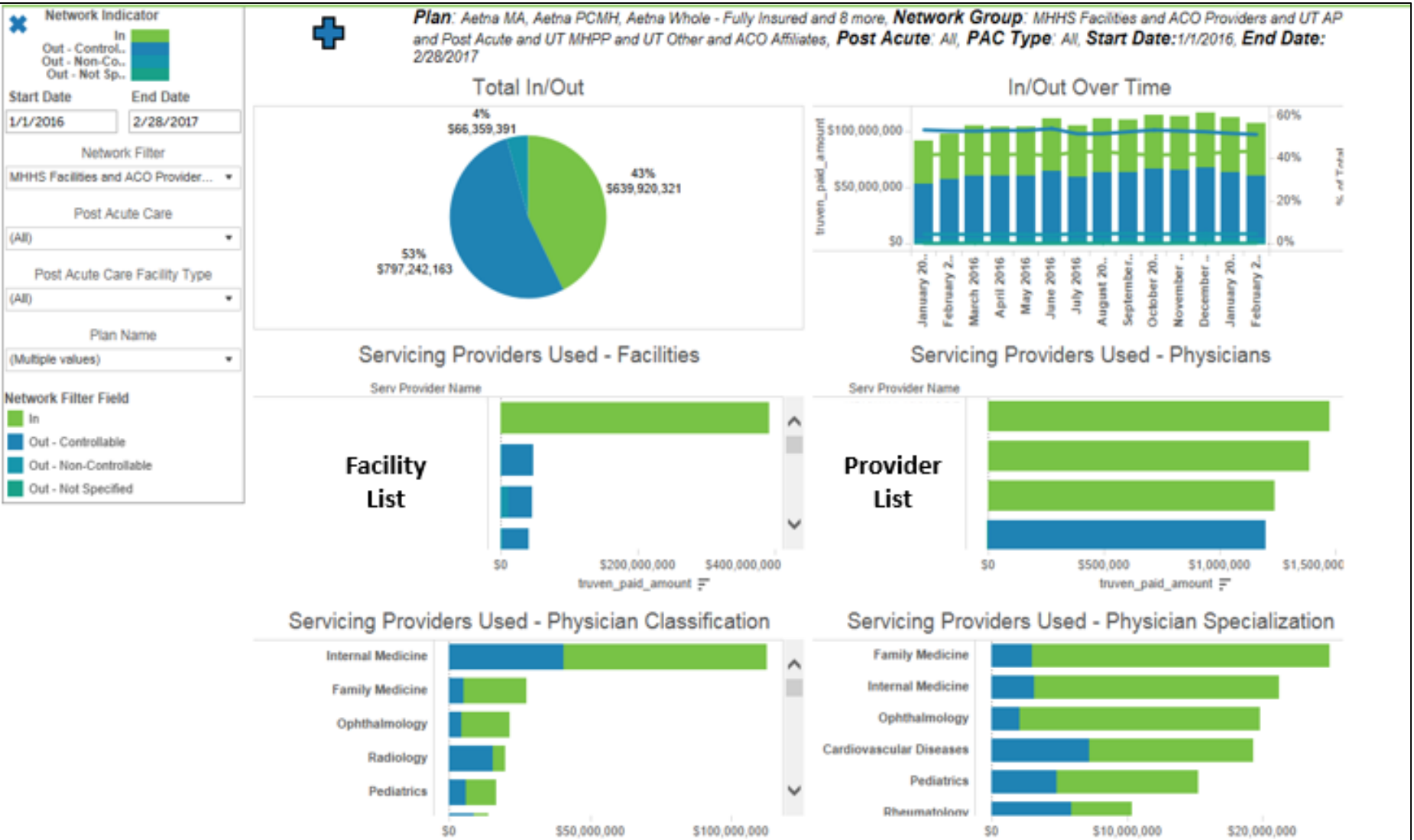
Member ID	Person Name	Attributed Provider Name	Suspected Hcc Condition	Condition Model Number	Stratification	Result Primary Display	Fact Name	Fact Result	Fact Source	Service Date	Earliest Scheduled Appointment
M e m b e r P a t i e n t		Tejas Navnit Mehta, MD	Chronic Kidney Disease, Stage 5	134	Highly Suspected	Chronic kidney disease, stage 5	end-stage-renal-disease	Documented	MSSP CMS Claims	9/14/16	
		Tejas Navnit Mehta, MD	Chronic Kidney Disease, Stage 5	136	Highly Suspected	Glomerular filtration rate/1.73 sq M.predicted [Volume Rate/Area] in Serum or Plasma	gfr	14.0	Care4	9/14/16	
		Tejas Navnit Mehta, MD	Dialysis Status	134	Highly Suspected	Chronic kidney disease, stage 5	end-stage-renal-disease	Documented	MSSP CMS Claims	9/14/16	
		Tejas Navnit Mehta, MD	Dialysis Status	136	Highly Suspected	Glomerular filtration rate/1.73 sq M.predicted [Volume Rate/Area] in Serum or Plasma	gfr	14.0	Care4	9/14/16	
		Heidi Ann Schultz, MD	Major Depressive, Bipolar, and Paranoid Disorders	58	Highly Suspected	Major depressive disorder, single episode, unspecified	unspecified-depression	Documented	MSSP CMS Claims	8/25/16	
		Heidi Ann Schultz, MD	Major Depressive, Bipolar, and Paranoid Disorders	58	Highly Suspected	Paxil 10 mg oral tablet	paroxetine	Documented	ECWx EMR	1/12/17	
		Heidi Ann Schultz, MD	Major Depressive, Bipolar, and Paranoid Disorders	96	Highly Suspected	Presence of cardiac pacemaker	cardiac-pacemaker	Documented	MSSP CMS Claims	7/14/16	
		Heidi Ann Schultz, MD	Specified Heart Arrhythmias	58	Highly Suspected	Major depressive disorder, single episode, unspecified	unspecified-depression	Documented	MSSP CMS Claims	8/25/16	
		Heidi Ann Schultz, MD	Specified Heart Arrhythmias	58	Highly Suspected	Paxil 10 mg oral tablet	paroxetine	Documented	ECWx EMR	1/12/17	
		Heidi Ann Schultz, MD	Specified Heart			Presence of cardiac					

HCC Suspected Conditions

HCC Suspected Conditions | Page 1 of 1+ | 100%

- Transparency into data to drive change in practice referral patterns and/or change in network.
 - Network Analysis and Overview Dashboard
 - Provider Detail Report
 - Referral Dashboard

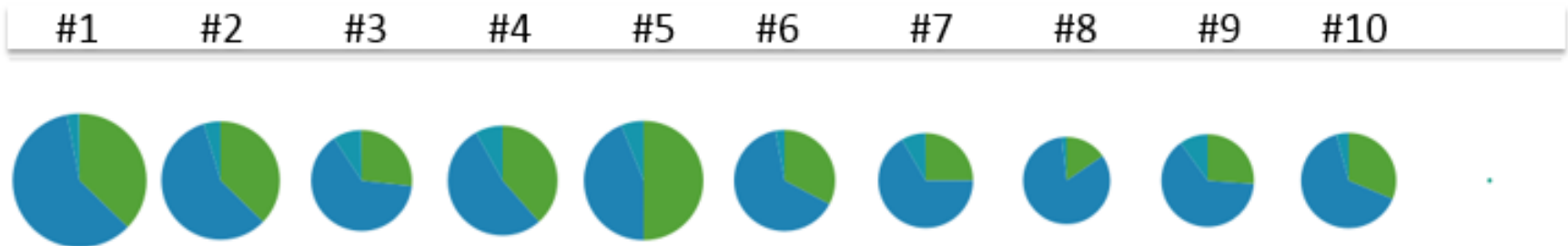
Network Analysis



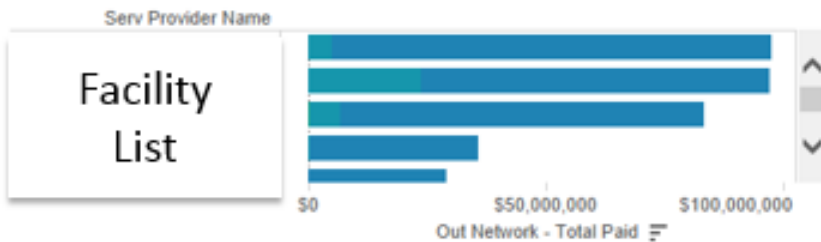
Top Provider Opportunity

Plan: All, Network: All, Post Acute: All, PAC Type: All, Start Date: 1/1/2016, End Date: 2/28/2017

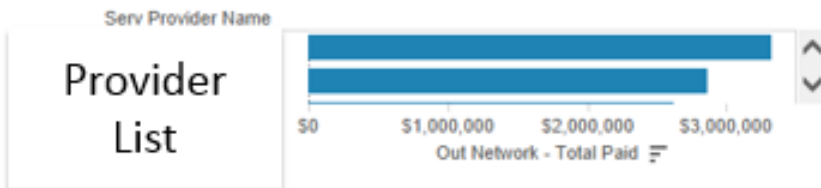
Top 10 Attributed Providers by Out of Network Dollars



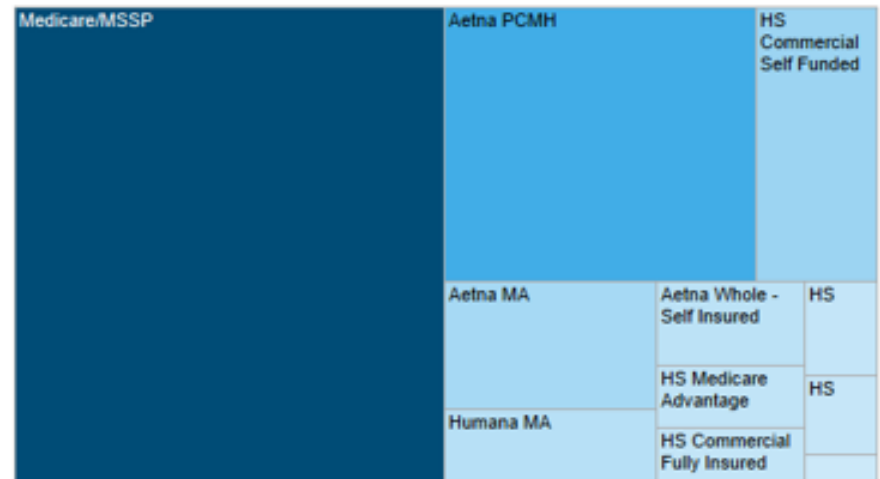
Serv Provider - Facilities



Serv Provider - Physicians

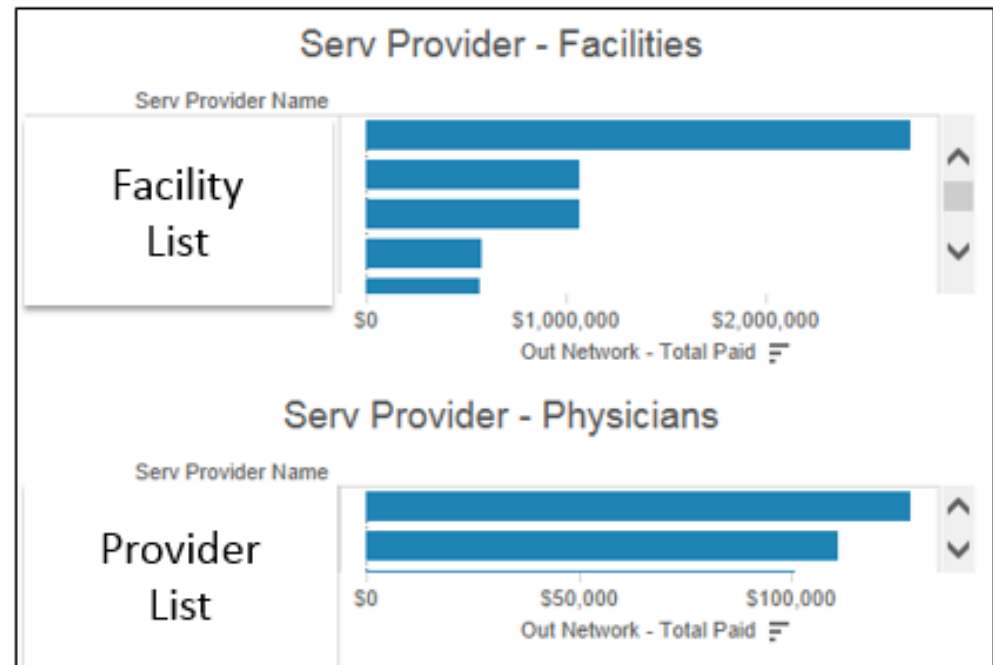


Plan Leakage



Detail Available

- Click on opportunity area
- View Facilities and Providers to see where leakage is happening



Report for Provider

Provider Name

Total Enrolled Count	Patient Count
1,594	1,200

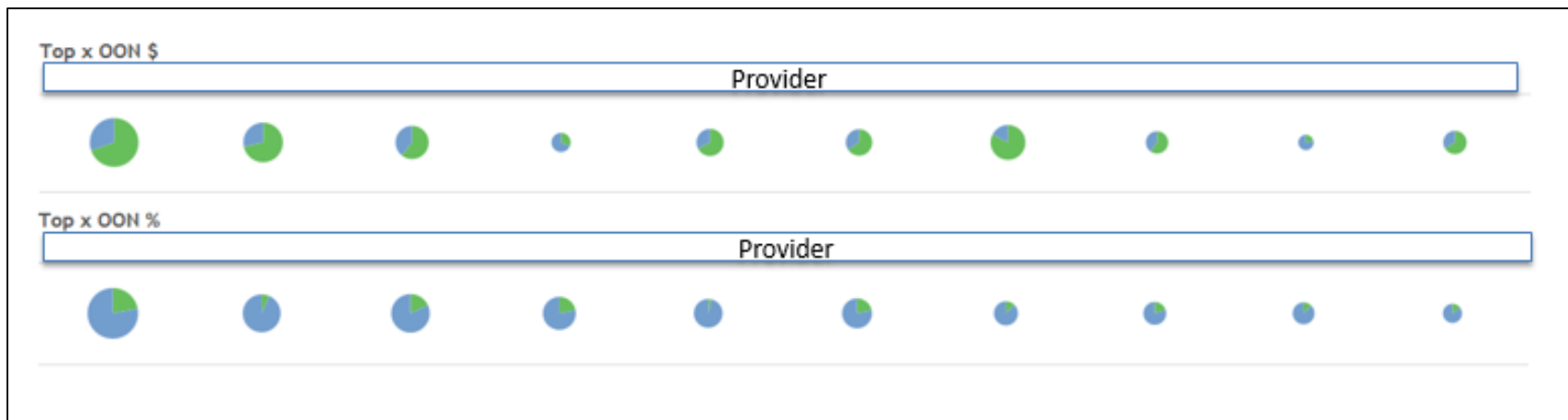
Network	Avg Paid/Patient	Claim Count %	Claim Count	Total Paid %	Total Paid
In	\$941.37	36.73%	3,046	39.87%	\$881,126.27
Out - Controllable	\$1,181.78	62.66%	5,197	55.29%	\$1,221,961.32
Out - Non-Controllable	\$3,522.95	0.51%	42	3.83%	\$84,550.81
Out - Not Specified	\$3,738.59	0.11%	9	1.01%	\$22,431.56
Sum:			8,294		\$2,210,069.96

- Additional detail for facility and provider list as well as detail patient view

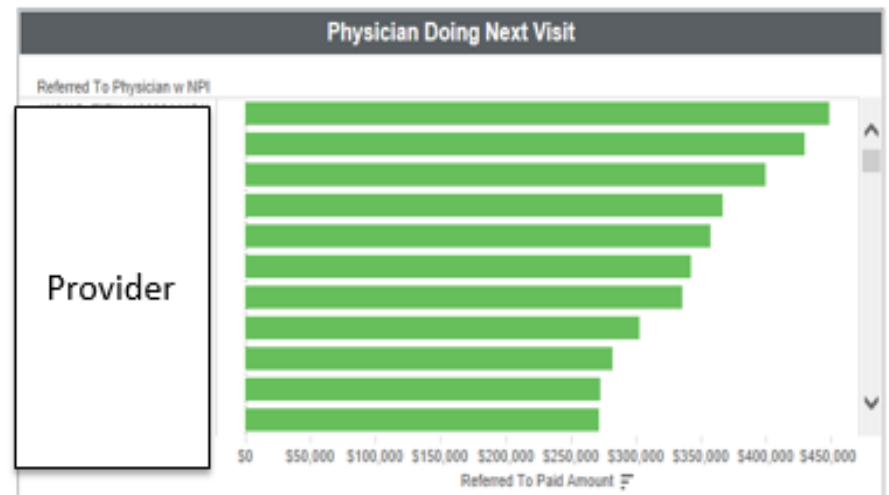
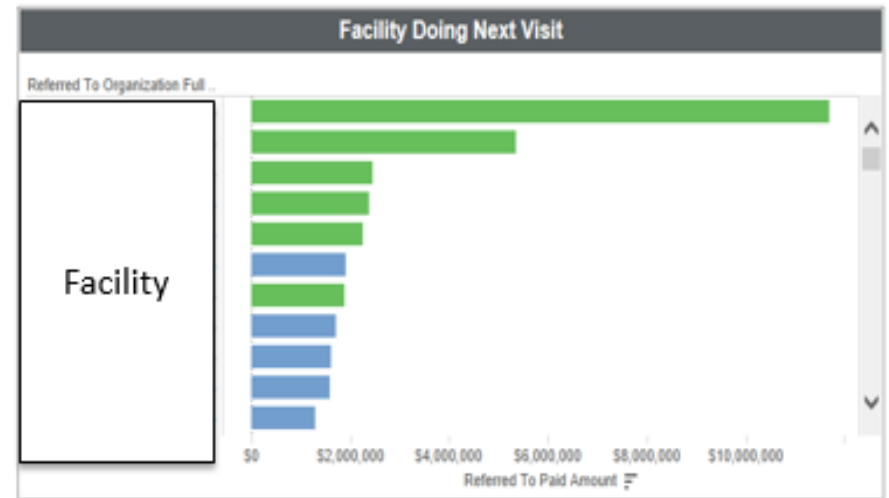
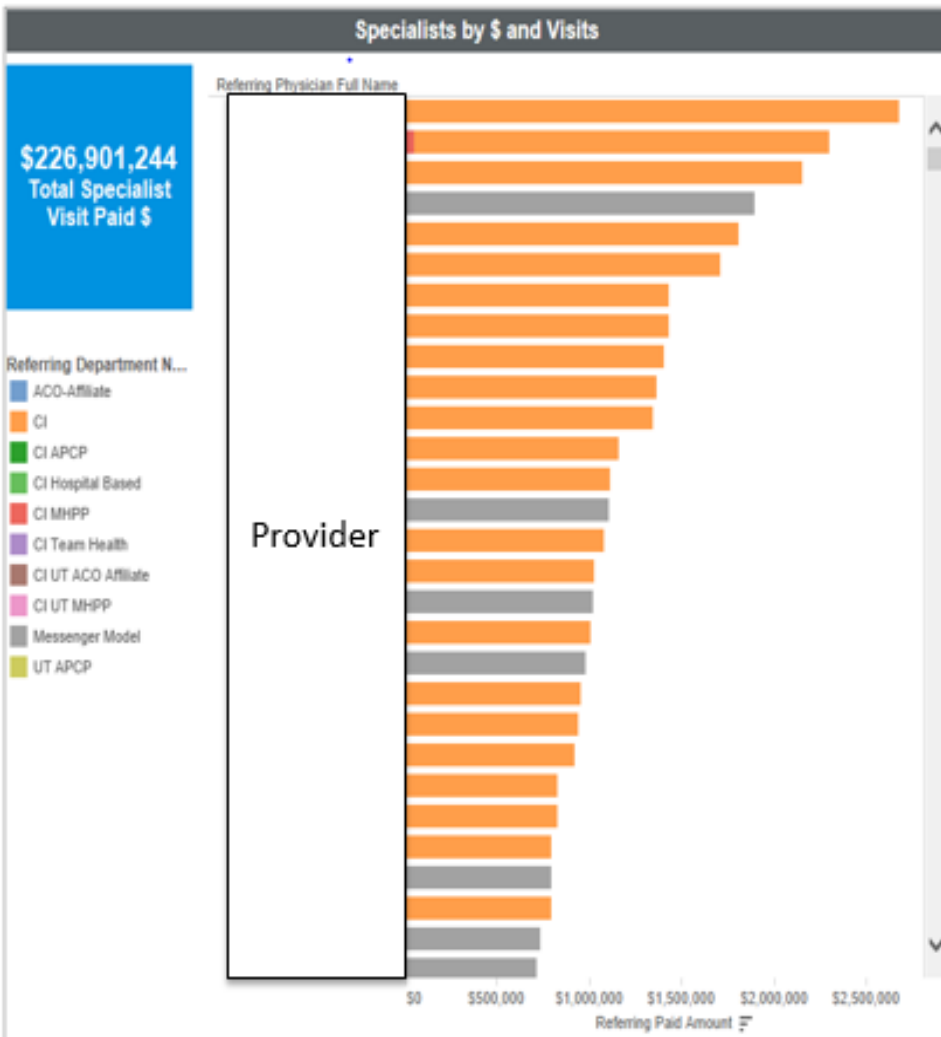
Patient Name	Servicing Provider	Network	Controllable/Non-Controllable Flag	Hcup Level 1	Hcup Level 2	Claim Month Qualification	Total Paid
Pt Name	Provider	In Network	Controllable	Diseases of the genitourinary system _LVL1	Diseases of the urinary system _LVL2	20170201	\$85.29
		Out of Network	Controllable	Diseases of the genitourinary system _LVL1	Diseases of the urinary system _LVL2	20170201	\$0.00

Referral Dashboard

- Review opportunities to bring out of network dollars back to the network based on overall dollars and percentage.



Next Visit Info



What is Next?

- Continued workflow tools and analytics dashboards and reports to improve quality, optimize network and reduce overall cost
 - Potentially Preventable Events
 - Care Redesign/Performance Improvement
 - Incentive Payment Reporting
 - Employer Solutions
 - HEDIS Submission for Health Plan

Questions?