Baptist Health South Florida

Healthcare that Cares

Leveraging Analytics to Standardize Clinical Care and Reduce Cost of Care

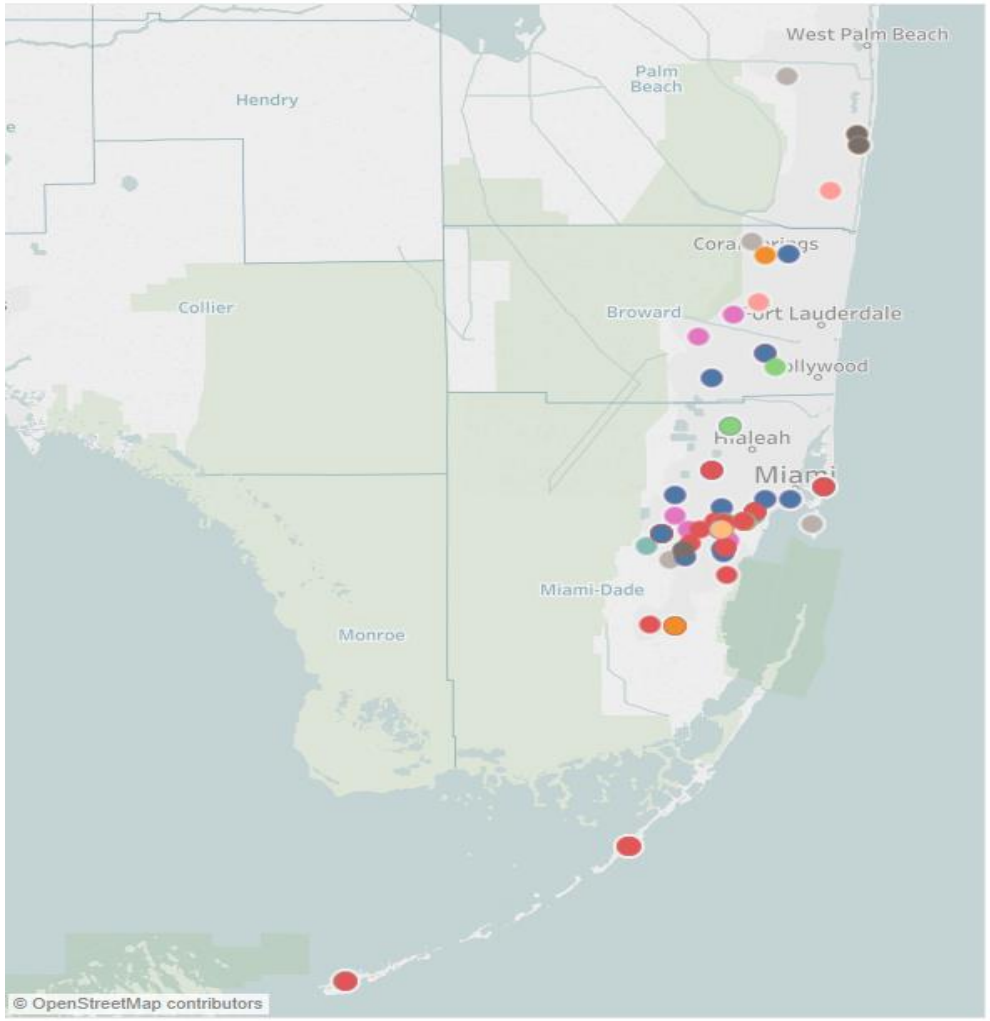
September 24th, 2019

Agenda

- Baptist Health Overview
- Overview of BHSF Analytics
- EBCC
- Role of Dimensional Insight in Supporting EBCC
- EBCC Accomplishments
- Future Dimensional Insight Analytics at BHSF
- Open Discussion

Baptist Health Statistics

BHSF LOCATIONS



BHSF ENTITY COUNT

Hospitals	10
Diagnostic Imaging	21
Urgent Care	18
Urgent Care Express	5
Surgery Centers	5
Sleep Centers	6
Endoscopy Centers	10
ER Free Standing	1
Rehab Centers	8
Physician Practices	48
Miami Cancer Institute	1
MCVI	1
Baptist Executive Health	1

Dimensional INSIGHT

Baptist Health Statistics

- Admissions 109,922
- Patient Days 671,871
- Births 15,007
- ED Visits 493,039
- Urgent Care Visits 331,457
- Total Surgical Cases 103,869
- International Patients 11,853
- Licensed Beds 2,251
- Physician Office Visits 334,856
- Medical Staff 4,000
- Employees ..... 23,000+
- Charity Care and uncompensated services $339,000,000

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Centers of Excellence

Miami Cancer Institute
BAPTIST HEALTH SOUTH FLORIDA

Miami Cardiac & Vascular Institute
BAPTIST HEALTH SOUTH FLORIDA

Miami Orthopedics & Sports Medicine Institute
BAPTIST HEALTH SOUTH FLORIDA
Founded by: uhz Sports Medicine Institute

Baptist Health Neuroscience Center
BAPTIST HEALTH SOUTH FLORIDA

Baptist Health Center for Robotic Surgery
BAPTIST HEALTH SOUTH FLORIDA

Mission & Vision

*Our mission is to improve the **health & well-being***
of individuals in the communities we serve.
*We are committed to maintaining the **highest standards***
of clinical and service excellence,
*rooted in utmost **integrity** and moral practice*

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*Our vision is to become the **preeminent** healthcare provider in the communities we serve, the organization that people **instinctively** turn to for their healthcare needs.*
*Baptist Health will be a national & international leader in healthcare **innovation**.*

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Baptist Health Strategic Imperatives

Affordability	• Price competitiveness for payers and patients • Identify and eliminate non value-added expenses • Sustainability: change the way we do business
Systemness	• Enterprise-wide view: current and future services • Highest and best use of our assets • Provide right service, right setting, right price
Clinical Standardization	• Physician-led Collaborative Leadership • Aligned Incentives • Clinical programs with real-time data analytics
Volume	• New Business Models • Increased Risk • Importance of Physician Alignment • Smart Growth

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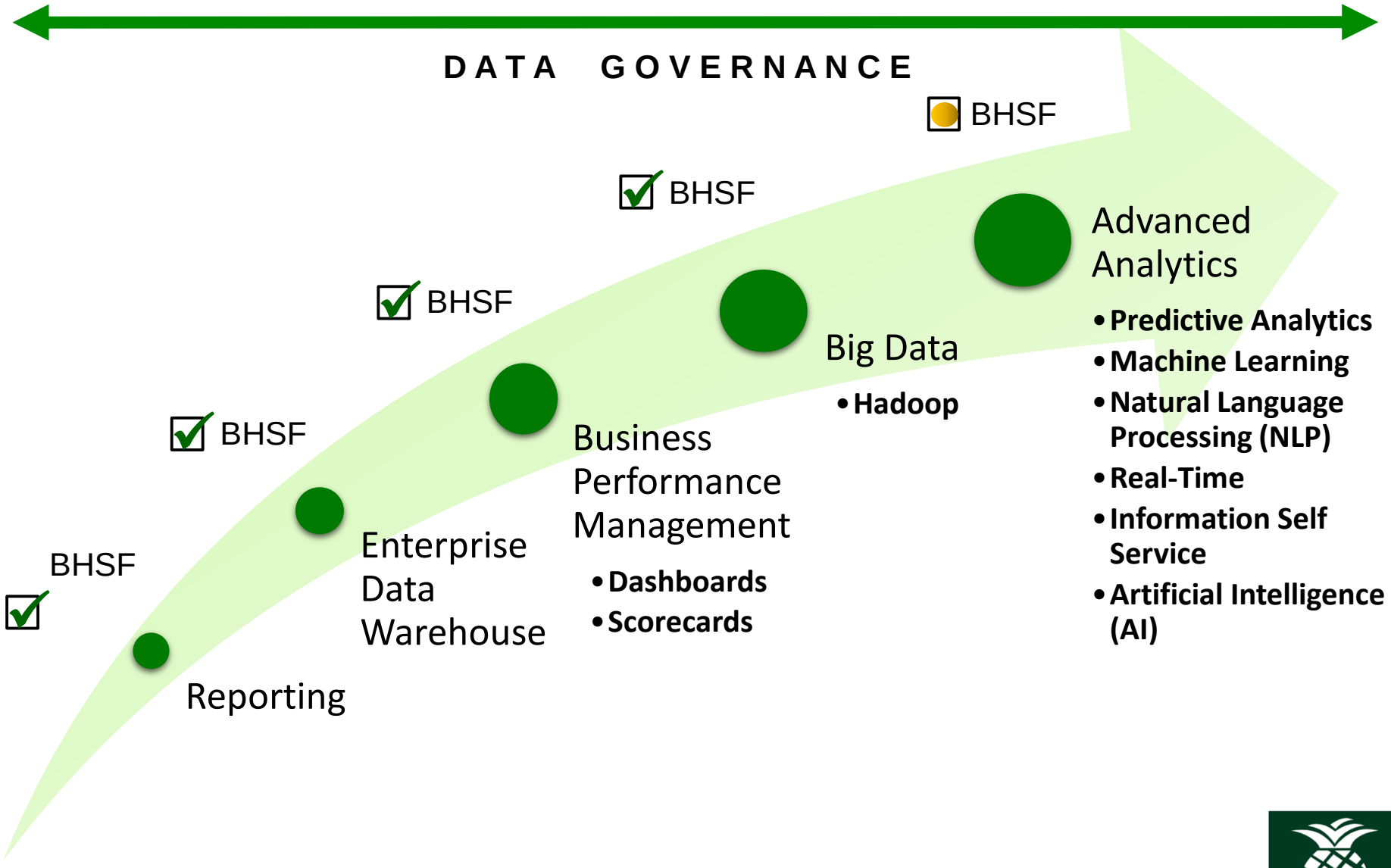
BHSF Analytics

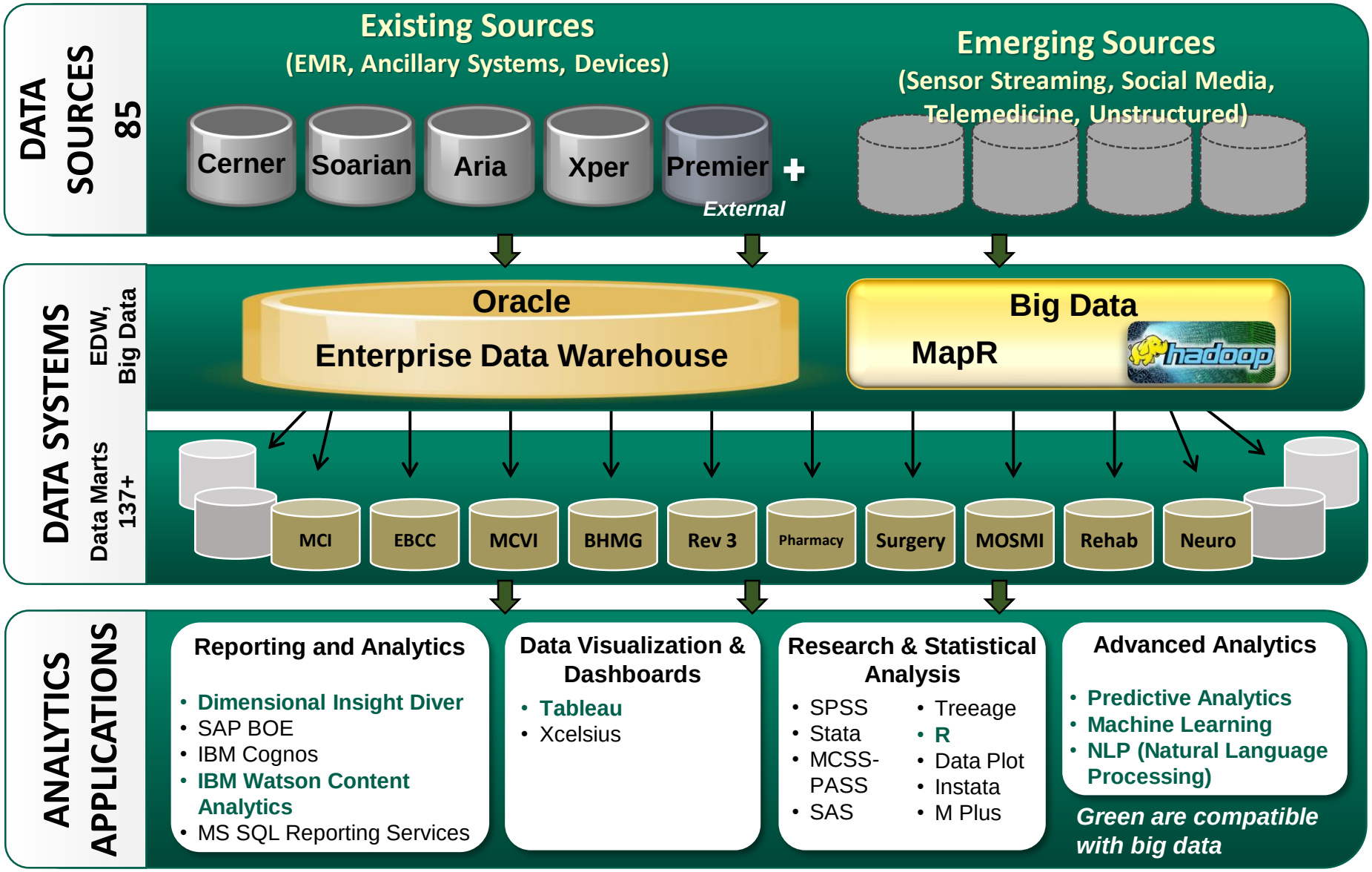
Dimensional INSIGHT

BHSF Data Analytics Maturity Model



Dimensional INSIGHT

BHSF Data Analytics Infrastructure



BHSF EDW Data Sources: 85

Aria
3M HDM
Agility
AHRQ (Diver)
Allscripts EPSi
AllScripts Home Care
AMS Medical Oncology
AMS Oncology EMR
ANSOS One-Staff
AvMed ACO Files
CareAware
CentralLogic
Centricity
Cerner Invision PA and PM
Cerner Millennium, Prod
Cerner Millennium, Test
Cerner Soarian Clinical
Cerner Soarian Financial
Chartlinks
Clairvia Clinical Acuity System
Common Vocabulary Engine from Cerner EAD/LCR
eCareManager
Echo
ED Call Tracker
EDM
eICU Replicated DB
EPremis
ERS
Essentris
FL Blue ACO Files
gGastro
GMED (Globus Medical)
GMED (Globus Medical)
Great Minds
HCLL Blood Bank
HL7 ADT from OpenLink
Home Health
HorizonLab
ImageNow
Intranet Physician Directory
JDA Parathon
Kronos
LabVantage
Lawson
MagView Breast Imaging
MCI DoseEdge
MCI Patient Tracker
Medical Reconciliation
MedSeek
Midas
Neodata Reporting application
NextGen
Nuance CDMP
Omnicell
OnCore Clinical Research
OpenLink and Informatica B2B
OPTIFLEX
Pandora Pharmacy
Patient Scheduling
PeopleSoft FINPRD
PeopleSoft OBI
Physician On Call
Plato
PowerPath
Premier
Progeny
Proliance Construction
ProVation Medical
Pyramis EKG
Quantum
QuadraMed
RapidComm Siemens Blood Gas
RedCap
RightPatient Biometric
SDE
Siemens Pharmacy
Soarian DSS
Sovera HIM
Syngo Radiology
Teletracking
T-System
Xper Cardiovascular

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Evidence Based Clinical Care (EBCC)

Dimensional INSIGHT

EBCC Mission & Vision

To provide the structure and guidance for our organization in the design, adoption and implementation of relevant and up-to-date synthesized research based clinical pathways and protocols that can be measured real time across the entire episode of care; in order to eliminate clinical variation, improve patient safety and reduce cost.

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*Our vision is to ensure BHSF healthcare providers deliver care that is deliberate and coordinated across all services. EBCC is a system committee charged with reducing unnecessary variation in the care of patients with certain diagnoses. Develop and enforce system wide **policies** that are necessary to support the clinical care.*

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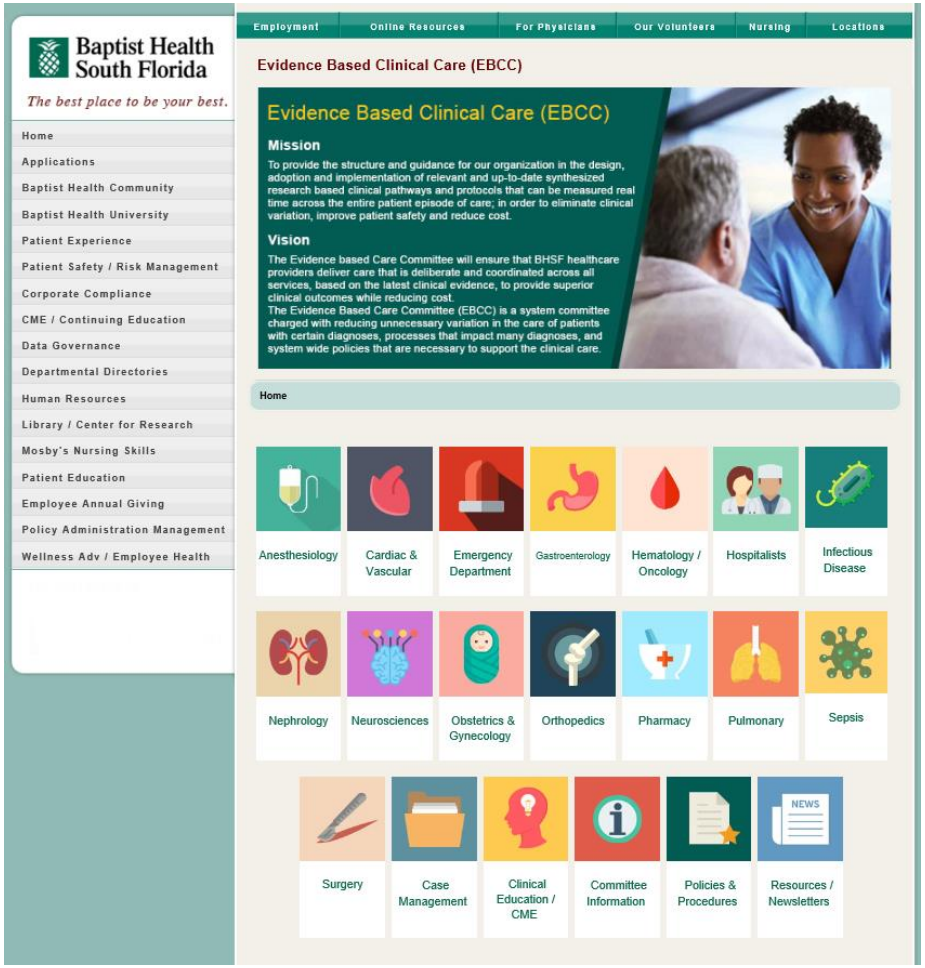
EBCC Physician Education Rollout Council Deliverables

- ✓EBCC website now live on intranet page (external hyperlink being created *"goebcc.baptisthealth.net"*)
- ✓Exclusive email MD DG-group created " **DG-BHSF EBCC"**
- ✓CME education will be available with every MS-DRG or pathway as it rolls out
- ✓Power plan usage reports by MS-DRG and provider
- ✓Entity specific educational needs assessment to target the specific provider groups for the MS-DRGs
- ✓Entity specific operational assessment to identify operational gaps



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EBCC At-A-Glance

Evidence-Based Clinical Care At-A-Glance *9-July*

		APR DRG	DESIGN							BHSF DEPLOYMENT
		Status	Kick-off	Sessions	Order sets	EBCC Final Approval	MEC Comment	Transfer Packet	CPSC	
Wave 1	Hip/ Knee Arthroplasty		C	6 of 6	C	C	C	C	C	11/1/2017
Wave 2	Heart Failure		C	6 of 6	C	C	C	C	C	1/30/2018
	C-Section		C	6 of 6	C	C	C	C	C	11/28/2017
	Spine		C	6 of 6	C	C	C	C	C	1/30/2018
	Hip Fracture		C	6 of 6	C	C	C	C	C	11/28/2017
	CABG		C	6 of 6	C	C	C	C	C	1/30/2018
	Sepsis		C	6 of 6	C	C	C	C	C	1/30/2018
Wave 3	CVA		C	6 of 6	C	C	C	C	C	2/20/2018
	Respiratory/Pneumonia		C	6 of 6	C	C	C	C	C	2/20/2018
	Bowel Procedure		C	6 of 6	C	C	C	C	C	12/1/2018
	UTI		C	6 of 6	C	C	C	C	C	4/2/2018
	Cellulitis		C	6 of 6	C	C	C	C	C	4/2/2018
	Vaginal Delivery		C	6 of 6	C	C	C	C	C	11/28/2017
Wave 4	Craniotomy		C	4 of 4	C	C	C	C	C	4/23/2018
	Lap Cholecystectomy		C	4 of 4	C	C	C	C	C	7/24/2018
	Knee l. leg and Upper Ext.		C	4 of 4	C	C	C	C	C	5/23/2018
	Foot/Toe Amputation		C	4 of 4	C	C	C	C	C	5/23/2018
	COPD		C	4 of 4	C	C	C	C	C	5/23/2018
	DVT		C	4 of 4	C	C	C	C	C	8/7/2018
	GI Hemorrage		C	4 of 4	C	C	C	C	C	6/23/2018
	Renal Failure		C	4 of 4	C	C	C	C	C	8/7/2018
	PCI		C	8	C	C	C	C	C	9/25/2018
	AMI		C	8	C	C	C	C	C	9/25/2018
	Cardiac Valves/TVRS		C	8	C	C	C	C	C	11/5/2018
Wave 5	Leukemia		C	5 of 5	C	C	C	C	C	4/16/2019
	Seizures/Epilepsy		C	5 of 5	C	C	C	C	C	4/9/2019
	Stomach Procedures		C	4 of 4	C	C	C	C	C	6/18/2019
	Electrolyte Imbalances & Metabolic Disorders		C	5 of 5	C	C	C	C	C	4/30/2019
	Uterine Adnexa		C	4 of 4	C	C	C	C	C	10/23/2019
	Respiratory Failure		C	5 of 5	C	C	C	C	C	3/6/2019
Wave 6	Blood Utilization									
	Medical Back									
	Sickle Cell Anemia		C	3 of 3	Aug-19					
	Thrombocytopenia / Coagulation		IP	0 of 4	19-Jul					
	Lymphoma									
	Anemia									
	Liver Disorders w/o cirrhosis									

Key					
	On Track	C	Completed	NA	Not Applicable
	At Risk	IP	In Progress	Pending	Pending as now
	Delayed	H	On Hold		

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Role of Analytics in Supporting EBCC

- Operational reports for day to day operations
- Integrate data from multiple data sources real time
- Generate actionable insights using quality, financial, and clinical metrics to monitor performance
- Monitor physician compliance of Order Sets

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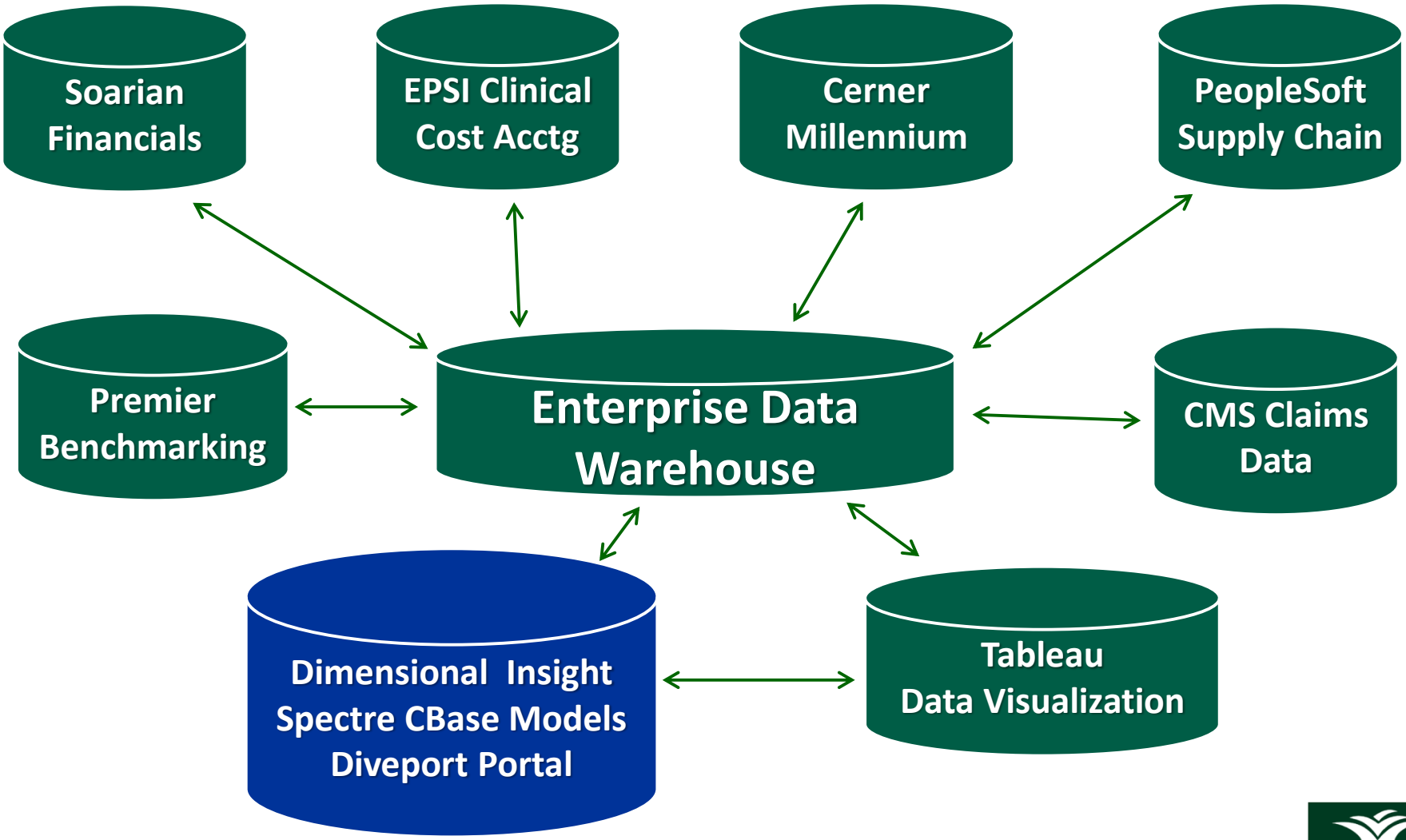
EBCC Data Sources



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EBCC Core Functionality

- ✓Executive Dashboard
- ✓Monthly Trends
- ✓Quality Data with National Benchmarks
- ✓Profitability
- ✓Cost and Utilization Detail
- ✓Clinical Variability (KPIs)
- ✓ Physician Performance Scorecard
- ✓ Order Sets Compliance
- ✓ Consultant Utilization
- ✓ Training & Education
- ✓ HIM Coding Validation
- ✓ Severity of Illness (SOI) Detail

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Finding Variation and Cost Opportunity

EBCC and Analytics Integrity Committee members review MS-DRGs groupings for cost opportunity based on volumes, ALOS, and variable cost per case

Premier benchmark levels at the 50th & 75th percentile variable cost opportunities are used to further validate the data (2 standard deviation exclusion)

EBCC DivePort 7.0 portal reporting is updated as MS-DRG waves are defined for tracking outcomes

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WAVE – EBCC Group – DRG Mapping

Wave	EBCC Group	MS-DRG Code	MS-DRG Description
1	CJR	0469	MAJOR JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY W MCC
		0470	MAJOR JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY W/O MCC
2	C-Section	0765	CESAREAN SECTION W CC/MCC
		0766	CESAREAN SECTION W/O CC/MCC
	CABG	0231	CORONARY BYPASS W PTCA W MCC
		0232	CORONARY BYPASS W PTCA W/O MCC
		0233	CORONARY BYPASS W CARDIAC CATH W MCC
		0234	CORONARY BYPASS W CARDIAC CATH W/O MCC
		0235	CORONARY BYPASS W/O CARDIAC CATH W MCC
		0236	CORONARY BYPASS W/O CARDIAC CATH W/O MCC
	Heart Failure	0291	HEART FAILURE & SHOCK W MCC
		0292	HEART FAILURE & SHOCK W CC
		0293	HEART FAILURE & SHOCK W/O CC/MCC
	Hip & Femur	0480	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT W MCC
		0481	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT W CC
		0482	HIP & FEMUR PROCEDURES EXCEPT MAJOR JOINT W/O CC/MCC
	Sepsis	0870	SEPTICEMIA OR SEVERE SEPSIS W MV >96 HOURS
		0871	SEPTICEMIA OR SEVERE SEPSIS W/O MV >96 HOURS W MCC
		0872	SEPTICEMIA OR SEVERE SEPSIS W/O MV >96 HOURS W/O MCC
	Spinal PXs	0028	SPINAL PROCEDURES W MCC
		0029	SPINAL PROCEDURES W CC OR SPINAL NEUROSTIMULATORS
		0030	SPINAL PROCEDURES W/O CC/MCC
		0453	COMBINED ANTERIOR/POSTERIOR SPINAL FUSION W MCC
		0454	COMBINED ANTERIOR/POSTERIOR SPINAL FUSION W CC
		0455	COMBINED ANTERIOR/POSTERIOR SPINAL FUSION W/O CC/MCC
		0456	SPINAL FUS EXC CERV W SPINAL CURV/MALIG/INFEC OR EXT FUS W MCC
		0457	SPINAL FUS EXC CERV W SPINAL CURV/MALIG/INFEC OR EXT FUS W CC
		0458	SPINAL FUS EXC CERV W SPINAL CURV/MALIG/INFEC OR EXT FUS W/O CC/MCC
		0459	SPINAL FUSION EXCEPT CERVICAL W MCC
		0460	SPINAL FUSION EXCEPT CERVICAL W/O MCC
		0471	CERVICAL SPINAL FUSION W MCC
		0472	CERVICAL SPINAL FUSION W CC
		0473	CERVICAL SPINAL FUSION W/O CC/MCC
		0518	BACK & NECK PROC EXC SPINAL FUSION W MCC OR DISC DEVICE/NEUROSTIM
		0519	BACK & NECK PROC EXC SPINAL FUSION W CC
		0520	BACK & NECK PROC EXC SPINAL FUSION W/O CC/MCC

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WAVE – EBCC Group – DRG Mapping

Wave	EBCC Group	MS-DRG Code	MS-DRG Description
3	Bowel PXs	0329	MAJOR SMALL & LARGE BOWEL PROCEDURES W MCC
		0330	MAJOR SMALL & LARGE BOWEL PROCEDURES W CC
		0331	MAJOR SMALL & LARGE BOWEL PROCEDURES W/O CC/MCC
		0335	PERITONEAL ADHESIOLYSIS W MCC
		0336	PERITONEAL ADHESIOLYSIS W CC
		0337	PERITONEAL ADHESIOLYSIS W/O CC/MCC
	Stroke	0061	ACUTE ISCHEMIC STROKE W USE OF THROMBOLYTIC AGENT W MCC
		0062	ACUTE ISCHEMIC STROKE W USE OF THROMBOLYTIC AGENT W CC
		0063	ACUTE ISCHEMIC STROKE W USE OF THROMBOLYTIC AGENT W/O CC/MCC
		0064	INTRACRANIAL HEMORRHAGE OR CEREBRAL INFARCTION W MCC
		0065	INTRACRANIAL HEMORRHAGE OR CEREBRAL INFARCTION W CC OR TPA IN 24 HRS
		0066	INTRACRANIAL HEMORRHAGE OR CEREBRAL INFARCTION W/O CC/MCC
		0067	NONSPECIFIC CVA & PRECEREBRAL OCCLUSION W/O INFARCT W MCC
		0068	NONSPECIFIC CVA & PRECEREBRAL OCCLUSION W/O INFARCT W/O MCC
		0069	TRANSIENT ISCHEMIA
	Vaginal Delivery	0767	VAGINAL DELIVERY W STERILIZATION &/OR D&C
		0768	VAGINAL DELIVERY W O.R. PROC EXCEPT STERIL &/OR D&C
		0774	VAGINAL DELIVERY W COMPLICATING DIAGNOSES
		0775	VAGINAL DELIVERY W/O COMPLICATING DIAGNOSES
	Cellulitis	0602	CELLULITIS W MCC
		0603	CELLULITIS W/O MCC
	Kidney UTI	0689	KIDNEY & URINARY TRACT INFECTIONS W MCC
		0690	KIDNEY & URINARY TRACT INFECTIONS W/O MCC
	Other Kidney Urinary Tract DX	0698	OTHER KIDNEY & URINARY TRACT DIAGNOSES W MCC
		0699	OTHER KIDNEY & URINARY TRACT DIAGNOSES W CC
		0700	OTHER KIDNEY & URINARY TRACT DIAGNOSES W/O CC/MCC
	Respiratory Infections	0152	OTITIS MEDIA & URI W MCC
		0153	OTITIS MEDIA & URI W/O MCC
		0177	RESPIRATORY INFECTIONS & INFLAMMATIONS W MCC
		0178	RESPIRATORY INFECTIONS & INFLAMMATIONS W CC
		0179	RESPIRATORY INFECTIONS & INFLAMMATIONS W/O CC/MCC
		0193	SIMPLE PNEUMONIA & PLEURISY W MCC
		0194	SIMPLE PNEUMONIA & PLEURISY W CC
		0195	SIMPLE PNEUMONIA & PLEURISY W/O CC/MCC

Dimensional INSIGHT

DivePort - EBCC Main

Provider Detail Analysis

Baptist Health South Florida **DivePort 7.0 Development**

MY ACCOUNT ADMIN HELP LOG OFF

Clinical

Back Home Provider Details Print Edit

Entity	All Values (6)	Patient Type	Inpatient	Joint Type	KNEE		
APR Severity	All Values (4)	DRG Code - Desc	All Values (3)	Principal Proc Surgeon	All Values (32)		
Financial Class	All Values (14)	Hospital Service	All Values (3)	Principal Procedure Code-Desc	All Values (27)		
Principal DX Code - Desc	All Values (46)	Admit Source	All Values (2)	Age Category	All Values (1)		
Hospice Patients	All Values (1)	Rehab Patients	All Values (1)	Expired Patients	All Values (1)	Reset	

Fiscal Year 2019

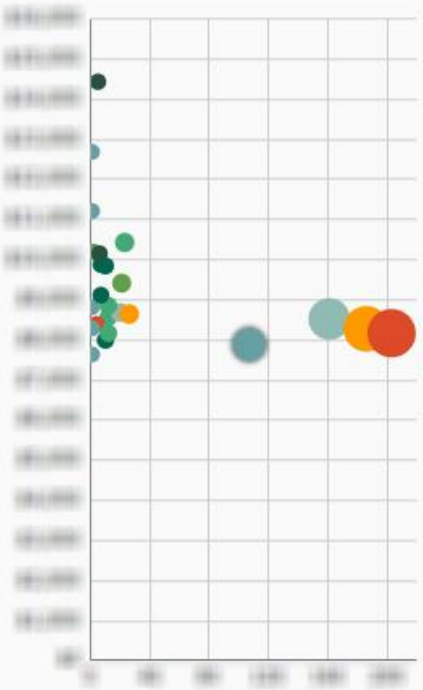
FY 2019 YTD

Principal Proc Surgeon	Cases	% Cases	# of Deaths	Variable Cost per Case	Total Cost per Case
Totals					

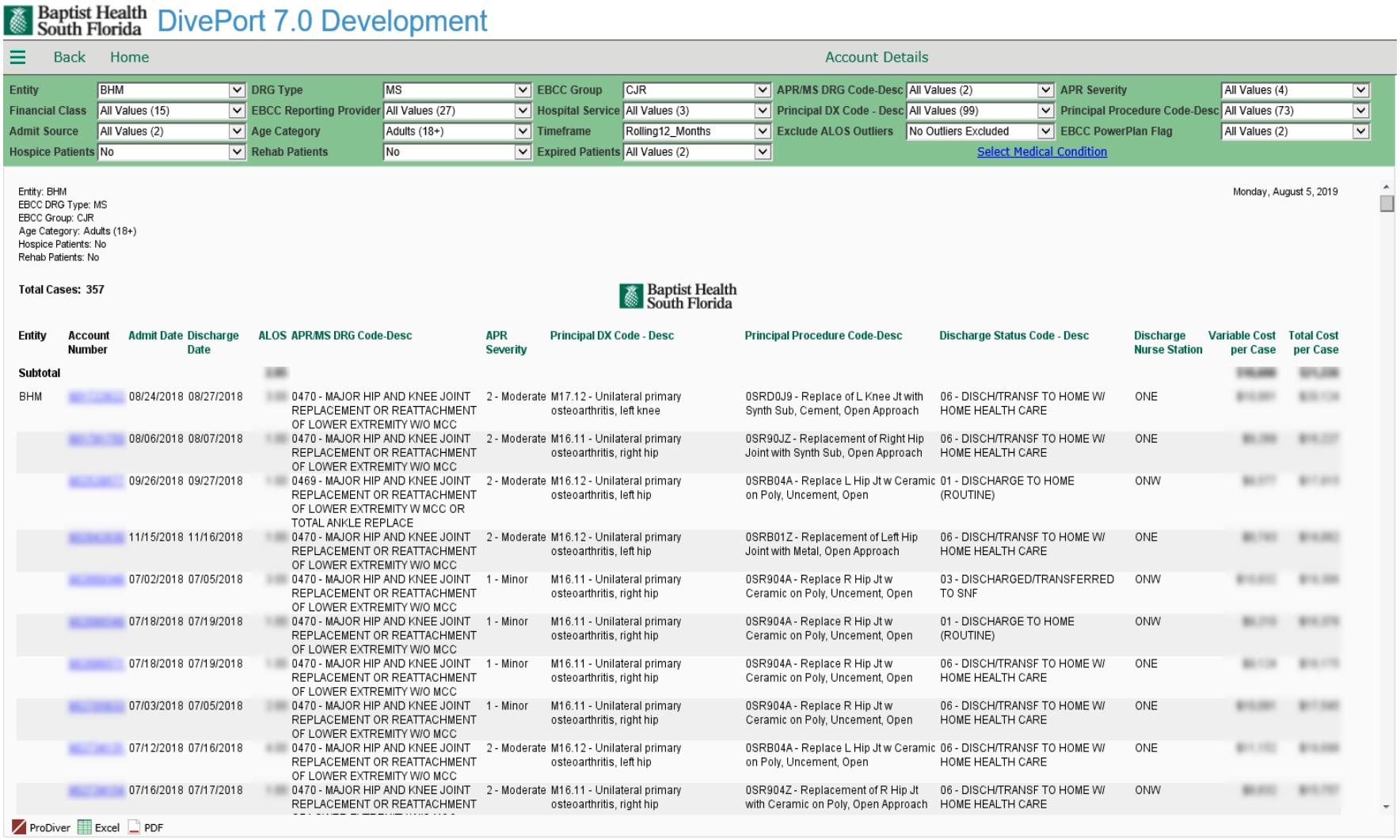
Excel PDF

Variable Cost per Case vs Cases

Cost Measure: Variable Cost per Case

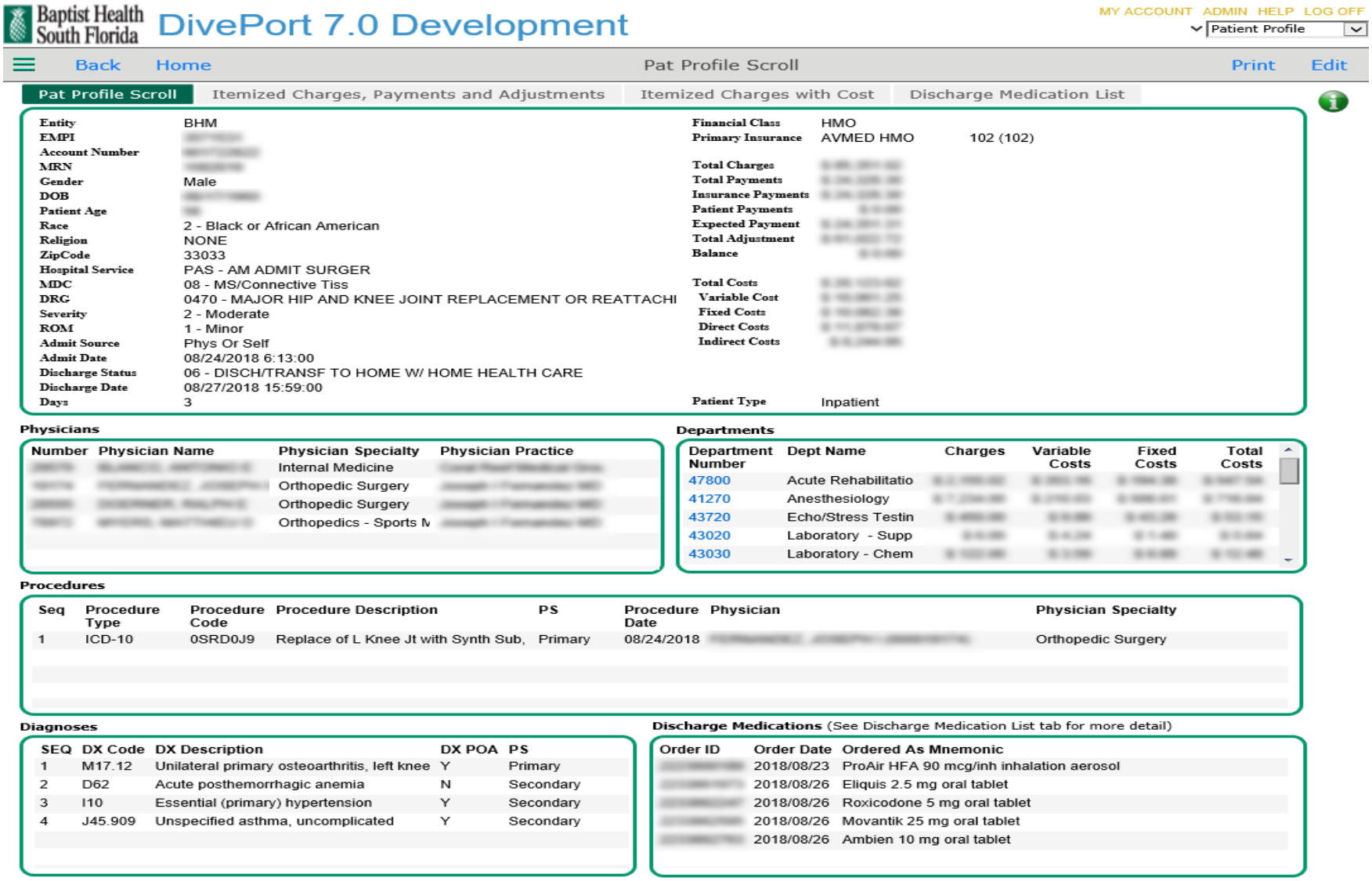


Account Details



Entity	Account Number	Admit Date	Discharge Date	ALOS	APR/MS DRG Code-Desc	APR Severity	Principal DX Code - Desc	Principal Procedure Code-Desc	Discharge Status Code - Desc	Discharge Nurse Station	Variable Cost per Case	Total Cost per Case
Subtotal												
BHM		08/24/2018	08/27/2018		0470 - MAJOR HIP AND KNEE JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY W/O MCC	2 - Moderate	M17.12 - Unilateral primary osteoarthritis, left knee	0SRD0J9 - Replace of L Knee Jt with Synth Sub, Cement, Open Approach	06 - DISCH/TRANSF TO HOME W/ HOME HEALTH CARE	ONE		
		08/06/2018	08/07/2018		0470 - MAJOR HIP AND KNEE JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY W/O MCC	2 - Moderate	M16.11 - Unilateral primary osteoarthritis, right hip	0SR90JZ - Replacement of Right Hip Joint with Synth Sub, Open Approach	06 - DISCH/TRANSF TO HOME W/ HOME HEALTH CARE	ONE		
		09/26/2018	09/27/2018		0469 - MAJOR HIP AND KNEE JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY W MCC OR TOTAL ANKLE REPLACE	2 - Moderate	M16.12 - Unilateral primary osteoarthritis, left hip	0SRB04A - Replace L Hip Jt w Ceramic on Poly, Uncement, Open	01 - DISCHARGE TO HOME (ROUTINE)	ONW		
		11/15/2018	11/16/2018		0470 - MAJOR HIP AND KNEE JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY W/O MCC	2 - Moderate	M16.12 - Unilateral primary osteoarthritis, left hip	0SRB01Z - Replacement of Left Hip Joint with Metal, Open Approach	06 - DISCH/TRANSF TO HOME W/ HOME HEALTH CARE	ONE		
		07/02/2018	07/05/2018		0470 - MAJOR HIP AND KNEE JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY W/O MCC	1 - Minor	M16.11 - Unilateral primary osteoarthritis, right hip	0SR904A - Replace R Hip Jt w Ceramic on Poly, Uncement, Open	03 - DISCHARGED/TRANSFERRED TO SNF	ONW		
		07/18/2018	07/19/2018		0470 - MAJOR HIP AND KNEE JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY W/O MCC	1 - Minor	M16.11 - Unilateral primary osteoarthritis, right hip	0SR904A - Replace R Hip Jt w Ceramic on Poly, Uncement, Open	01 - DISCHARGE TO HOME (ROUTINE)	ONW		
		07/18/2018	07/19/2018		0470 - MAJOR HIP AND KNEE JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY W/O MCC	1 - Minor	M16.11 - Unilateral primary osteoarthritis, right hip	0SR904A - Replace R Hip Jt w Ceramic on Poly, Uncement, Open	06 - DISCH/TRANSF TO HOME W/ HOME HEALTH CARE	ONE		
		07/03/2018	07/05/2018		0470 - MAJOR HIP AND KNEE JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY W/O MCC	1 - Minor	M16.11 - Unilateral primary osteoarthritis, right hip	0SR904A - Replace R Hip Jt w Ceramic on Poly, Uncement, Open	06 - DISCH/TRANSF TO HOME W/ HOME HEALTH CARE	ONE		
		07/12/2018	07/16/2018		0470 - MAJOR HIP AND KNEE JOINT REPLACEMENT OR REATTACHMENT OF LOWER EXTREMITY W/O MCC	2 - Moderate	M16.12 - Unilateral primary osteoarthritis, left hip	0SRB04A - Replace L Hip Jt w Ceramic on Poly, Uncement, Open	06 - DISCH/TRANSF TO HOME W/ HOME HEALTH CARE	ONE		
		07/16/2018	07/17/2018		0470 - MAJOR HIP AND KNEE JOINT REPLACEMENT OR REATTACHMENT	2 - Moderate	M16.11 - Unilateral primary osteoarthritis, right hip	0SR904Z - Replacement of R Hip Jt with Ceramic on Poly, Open Approach	06 - DISCH/TRANSF TO HOME W/ HOME HEALTH CARE	ONW		

Patient Profile



Monthly Trends

Baptist Health DivePort 7.0 Production

Back Home EBCC Waves

Main | CJR | Heart Failure | Deliveries | Spine | Reports | MDC Reports | Realization | Patient Search

Select Hip-Knee Medical Condition

Dashboard | Utilization | Readmits | Trends | **Monthly Trends** | Profitability | Clinical Variability | Control Charts | Benchmark Trends

EBCC DRG Type	MS	EBCC Group	CJR	APR/MS DRG Code-Desc	All Values (2)	APR Severity	All Values (4)
Financial Class	All Values (16)	EBCC Reporting Provider	All Values (49)	Principal DX Code - Desc	All Values (184)	Principal Procedure Code-Desc	All Values (98)
Admit Source	All Values (2)	Age Category	All Values (2)	Benchmark	Premier 50th	Exclude ALOS Outliers	2 Std Dev Outliers
Hospice Patients	All Values (1)	Rehab Patients	All Values (1)	Expired Patients	All Values (2)	Fiscal Year	2017

Cases

Entity	FY2016	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY2017 YTD
BHM														
DH														
HH														
MH														
SMH														
WKBH														
BHSF														

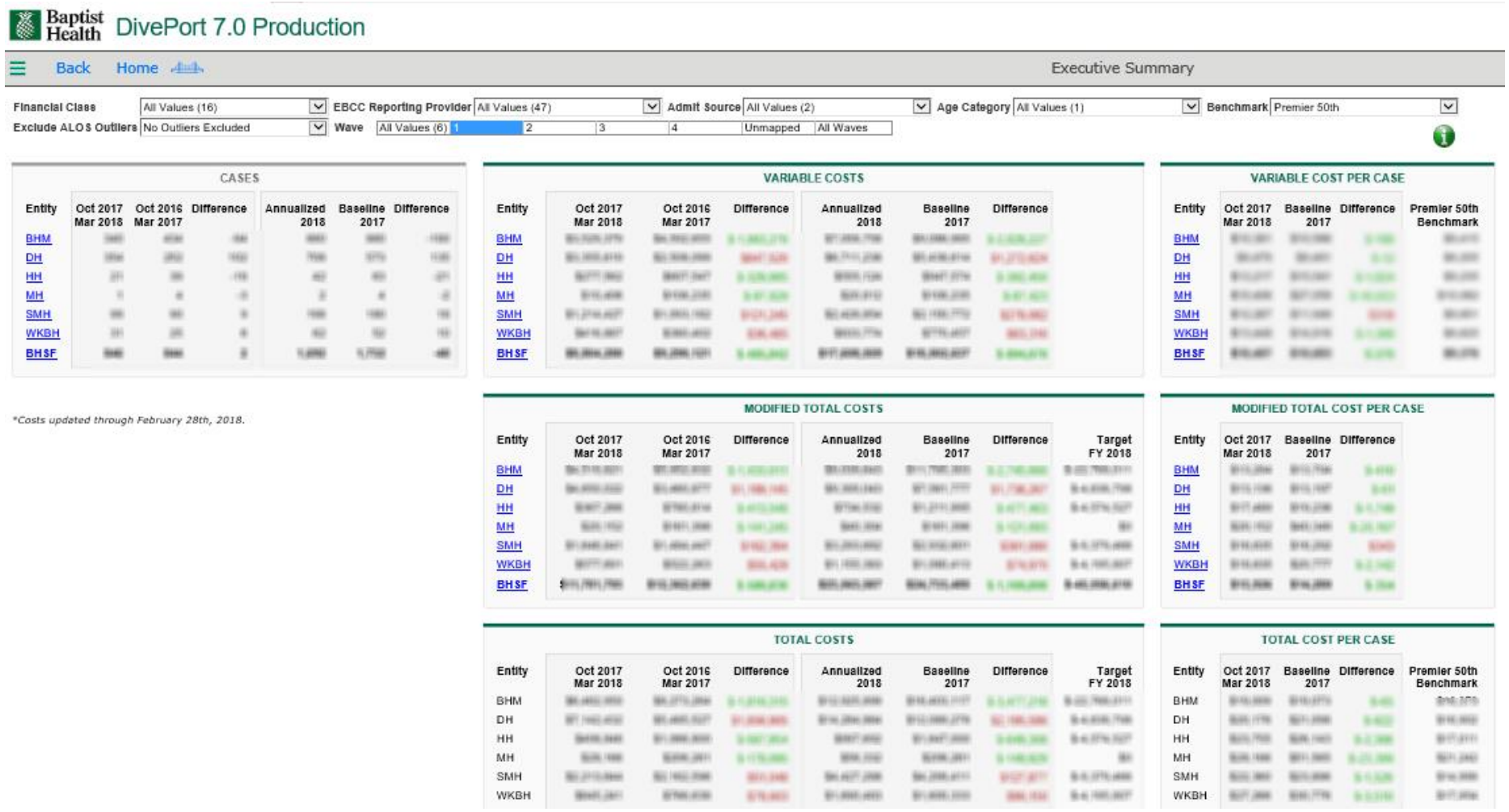
Average Length of Stay

Entity	FY2016	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY2017 YTD	Premier 50th	HCUP
BHM															2.85	2.49
DH															2.94	2.38
HH															2.99	2.35
MH															2.70	2.48
SMH															2.74	2.43
WKBH															3.29	2.23
BHSF															**2.89**	**2.43**

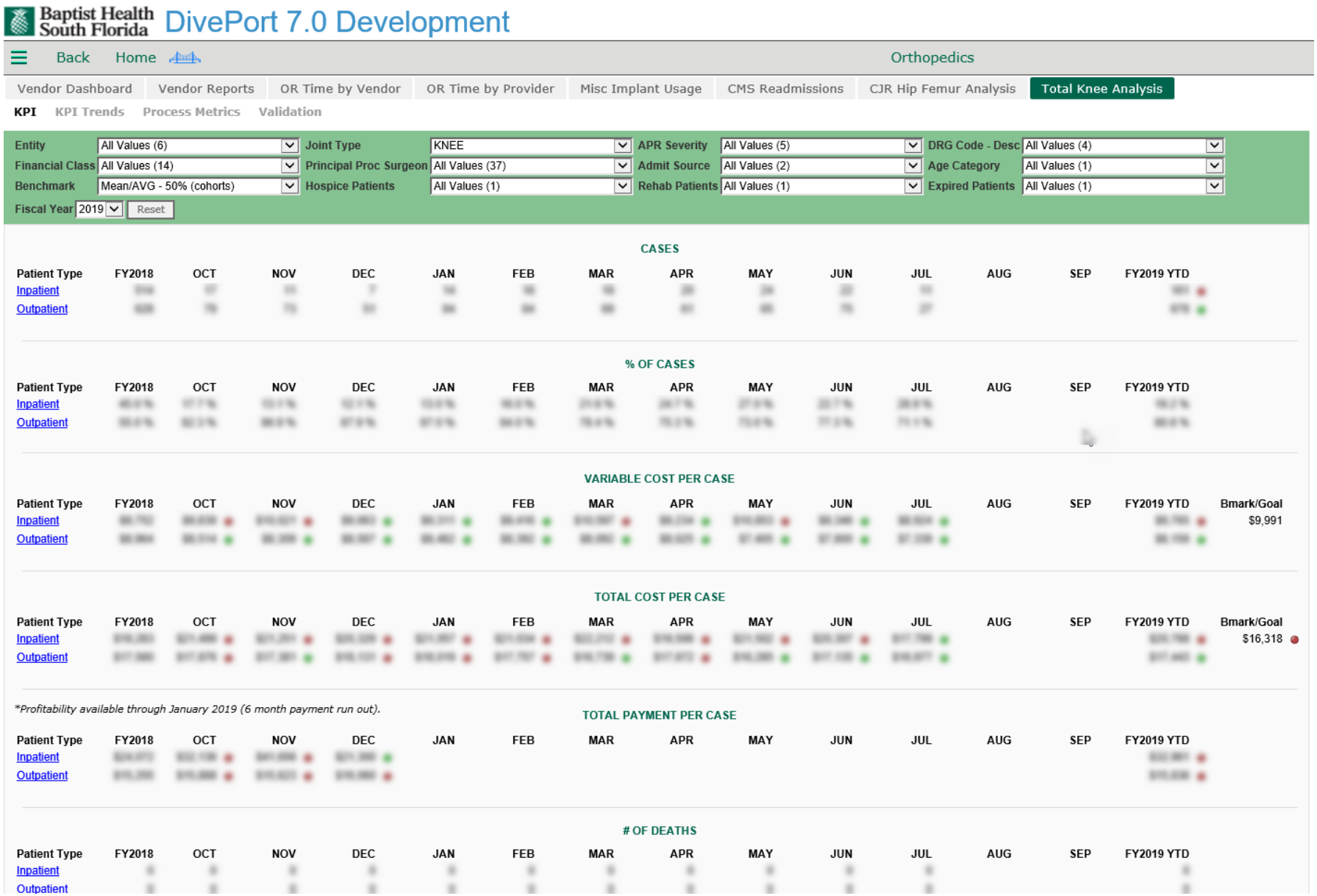
Variable Cost per Case

Entity	FY2016	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY2017 YTD	Premier 50th
BHM															$9,360
DH															$9,183
HH															$9,217
MH															$10,089
SMH															$9,610
WKBH															$9,508
BHSF															**$9,332**

Executive Dashboard



Key Performance Indicators



Key Performance Indicators (continued)

Baptist Health South Florida DivePort 7.0 Development

Back Home Orthopedics

OF DEATHS

Patient Type	FY2018	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY2019 YTD
Inpatient														
Outpatient														

% OF ELECTIVE CASES DISCHARGED TO HOME

Patient Type	FY2018	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY2019 YTD
Inpatient														
Outpatient														

% OF ELECTIVE CASES DISCHARGED TO HOME w/HOME CARE

Patient Type	FY2018	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY2019 YTD
Inpatient														
Outpatient														

TRANEXAMIC ACID (TXA) CASES (ELECTIVE ONLY)

Patient Type	FY2018	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY2019 YTD
Inpatient														
Outpatient														

% TRANEXAMIC ACID (TXA) CASES (ELECTIVE ONLY)

Patient Type	FY2018	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY2019 YTD	Target
Inpatient															100.0 %
Outpatient															100.0 %

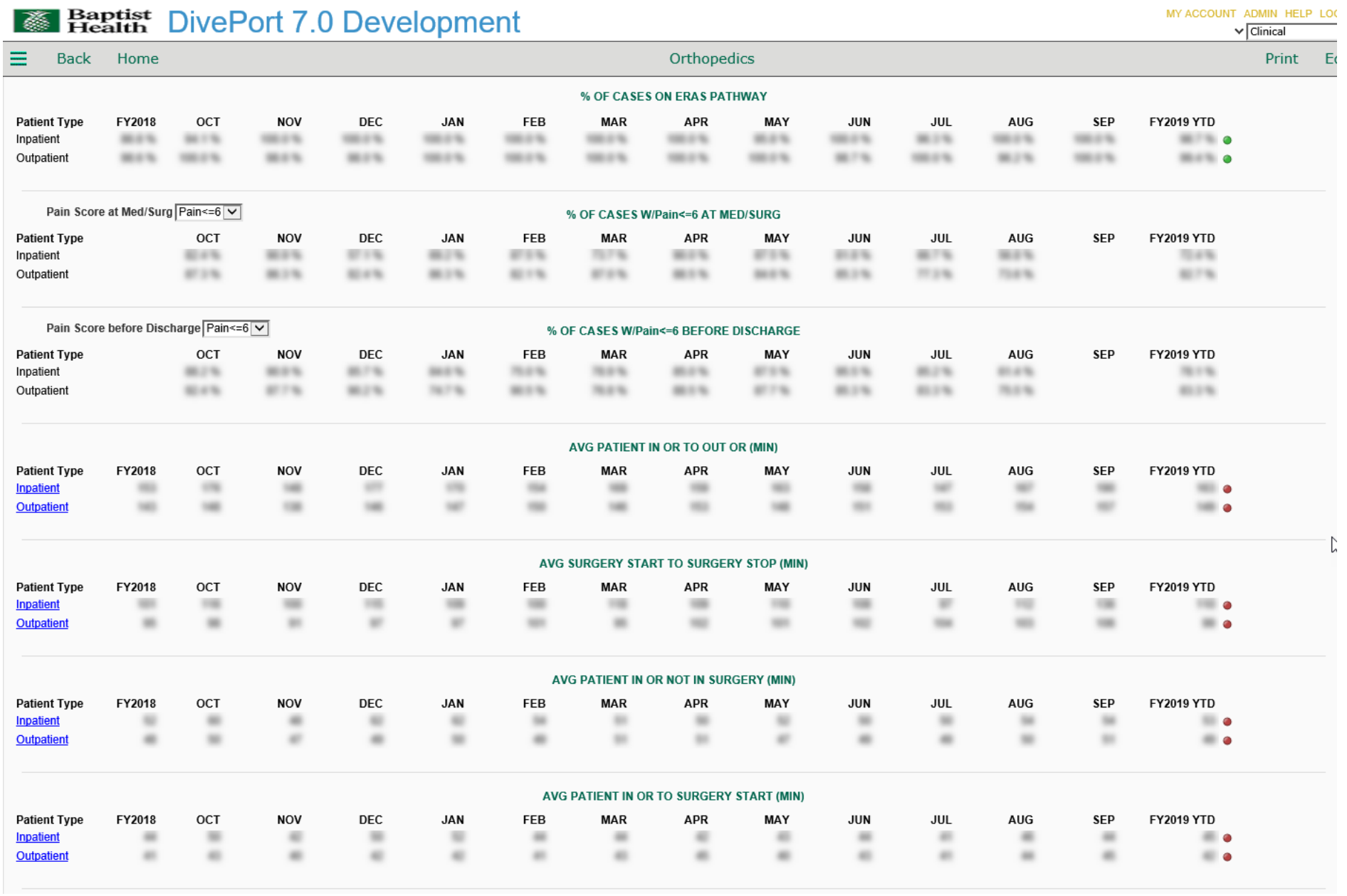
TXA, BLOOD, & HGB<=7 CASES (ELECTIVE ONLY)

Patient Type	FY2018	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY2019 YTD
Inpatient														
Outpatient														

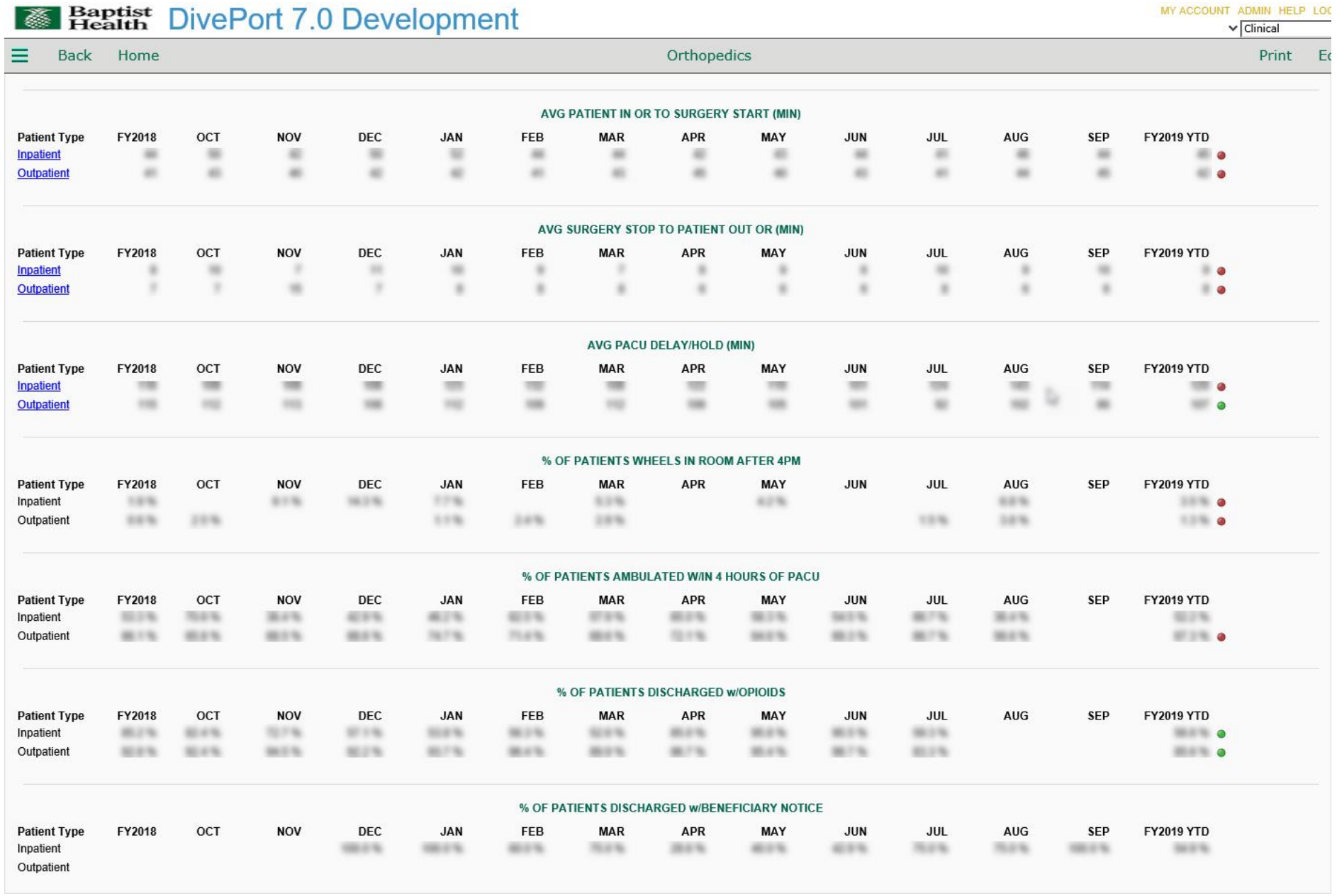
TXA, BLOOD, & HGB>7 CASES (ELECTIVE ONLY)

Patient Type	FY2018	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FY2019 YTD
Inpatient														
Outpatient														

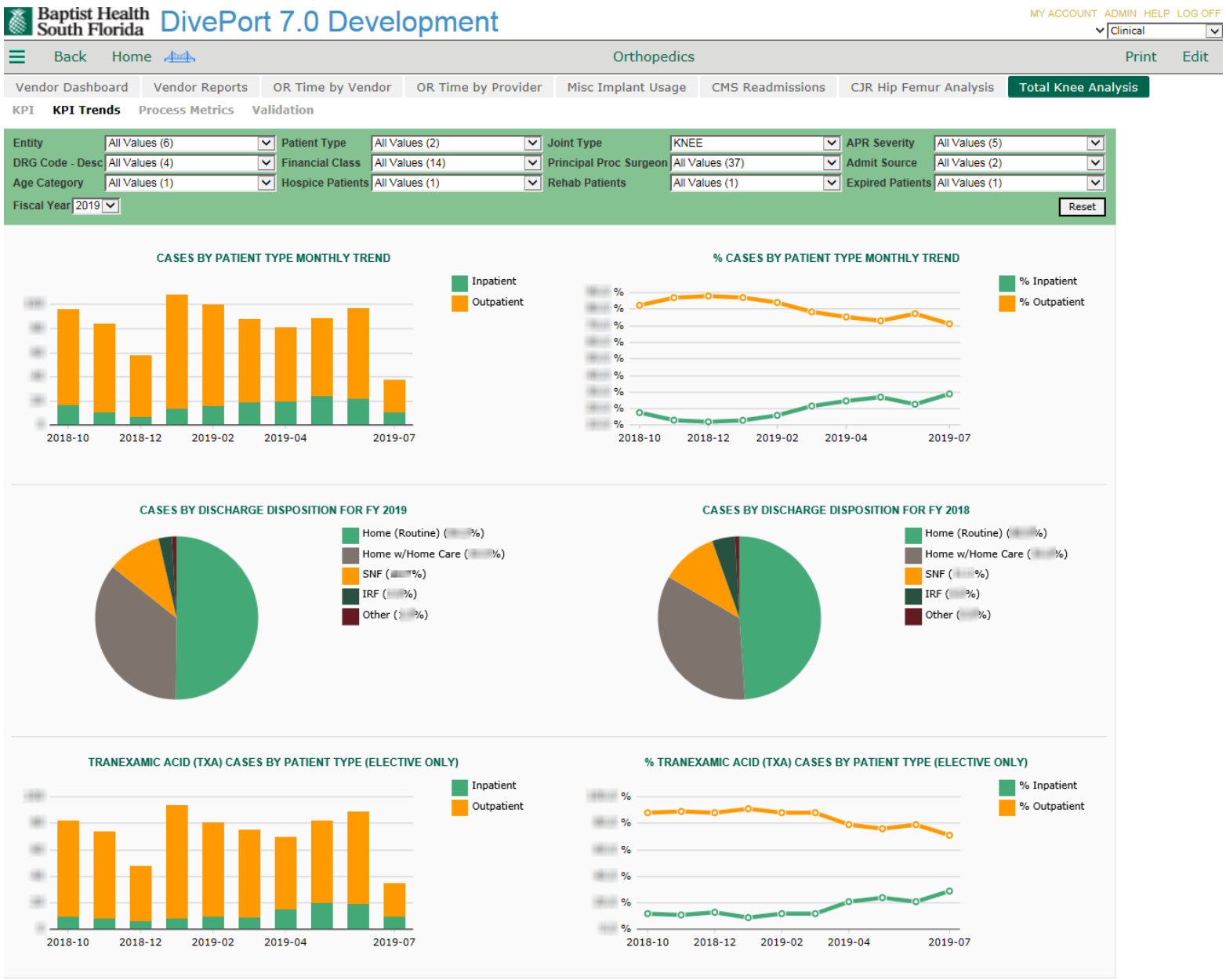
Key Performance Indicators (continued)



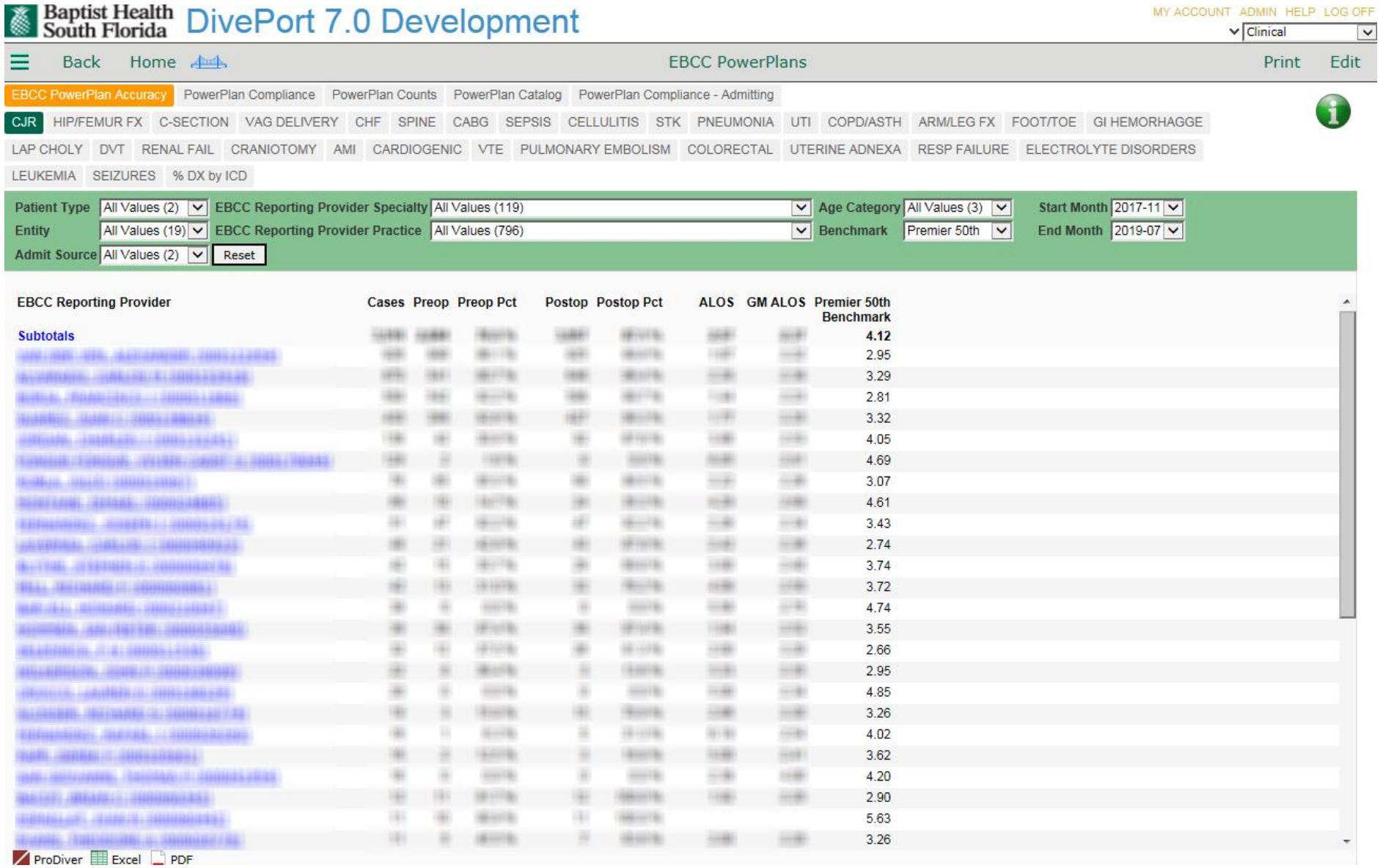
Key Performance Indicators (continued)



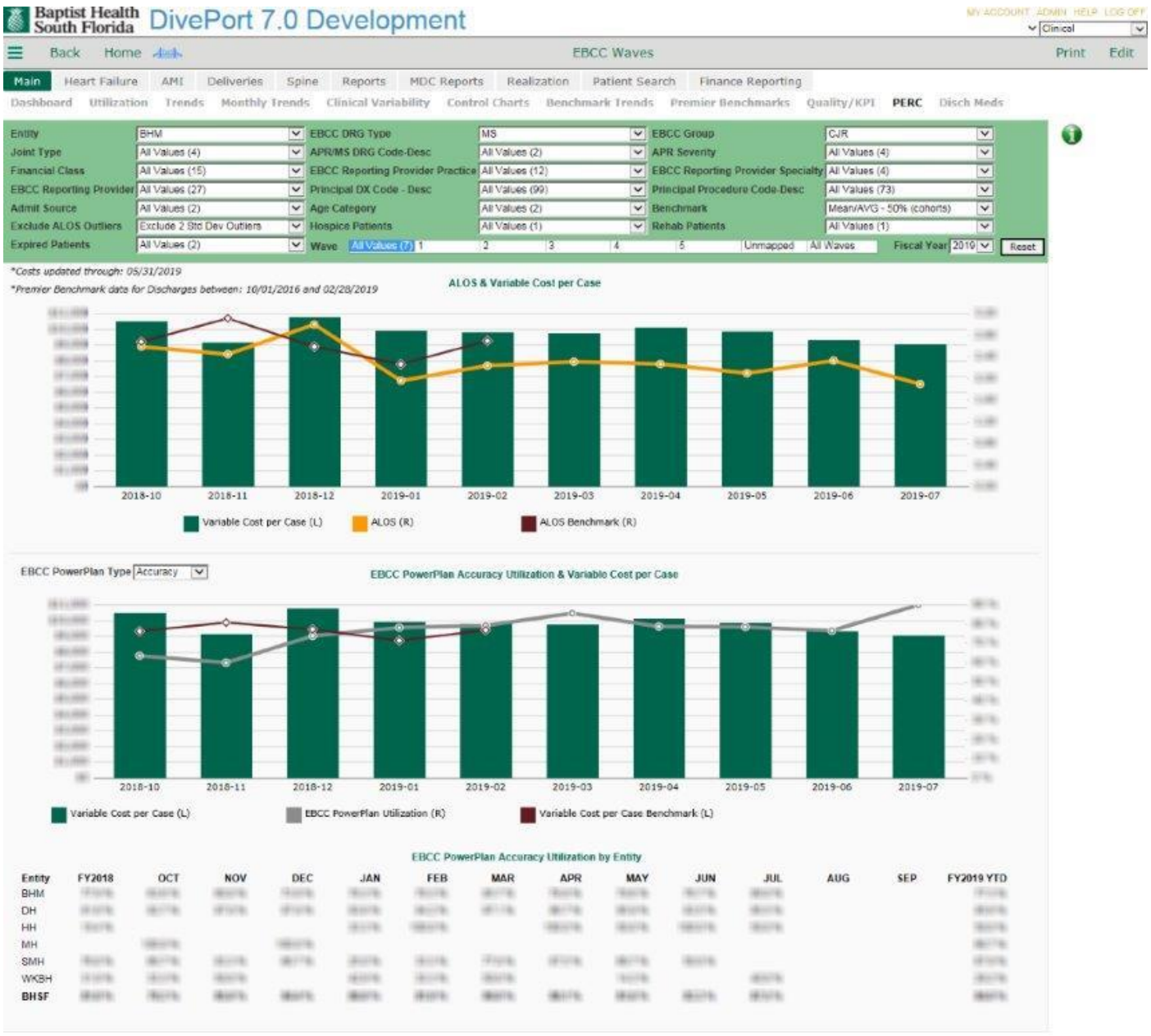
Trends


Baptist Health South Florida
DivePort 7.0 Development
MY ACCOUNT ADMIN HELP LOG OFF
Clinical
Back
Home
Orthopedics
Print
Edit
Vendor Dashboard
Vendor Reports
OR Time by Vendor
OR Time by Provider
Misc Implant Usage
CMS Readmissions
CJR Hip Femur Analysis
Total Knee Analysis
KPI
KPI Trends
Process Metrics
Validation
Entity All Values (6)
Patient Type All Values (2)
Joint Type KNEE
APR Severity All Values (5)
DRG Code - Desc All Values (4)
Financial Class All Values (14)
Principal Proc Surgeon All Values (37)
Admit Source All Values (2)
Age Category All Values (1)
Hospice Patients All Values (1)
Rehab Patients All Values (1)
Expired Patients All Values (1)
Fiscal Year 2019
Reset
CASES BY PATIENT TYPE MONTHLY TREND
Inpatient
Outpatient
2018-10
2018-12
2019-02
2019-04
2019-07
% CASES BY PATIENT TYPE MONTHLY TREND
% Inpatient
% Outpatient
CASES BY DISCHARGE DISPOSITION FOR FY 2019
Home (Routine) (
Home w/Home Care (
SNF (
IRF (
Other (
CASES BY DISCHARGE DISPOSITION FOR FY 2018
TRANEXAMIC ACID (TXA) CASES BY PATIENT TYPE (ELECTIVE ONLY)
% TRANEXAMIC ACID (TXA) CASES BY PATIENT TYPE (ELECTIVE ONLY)

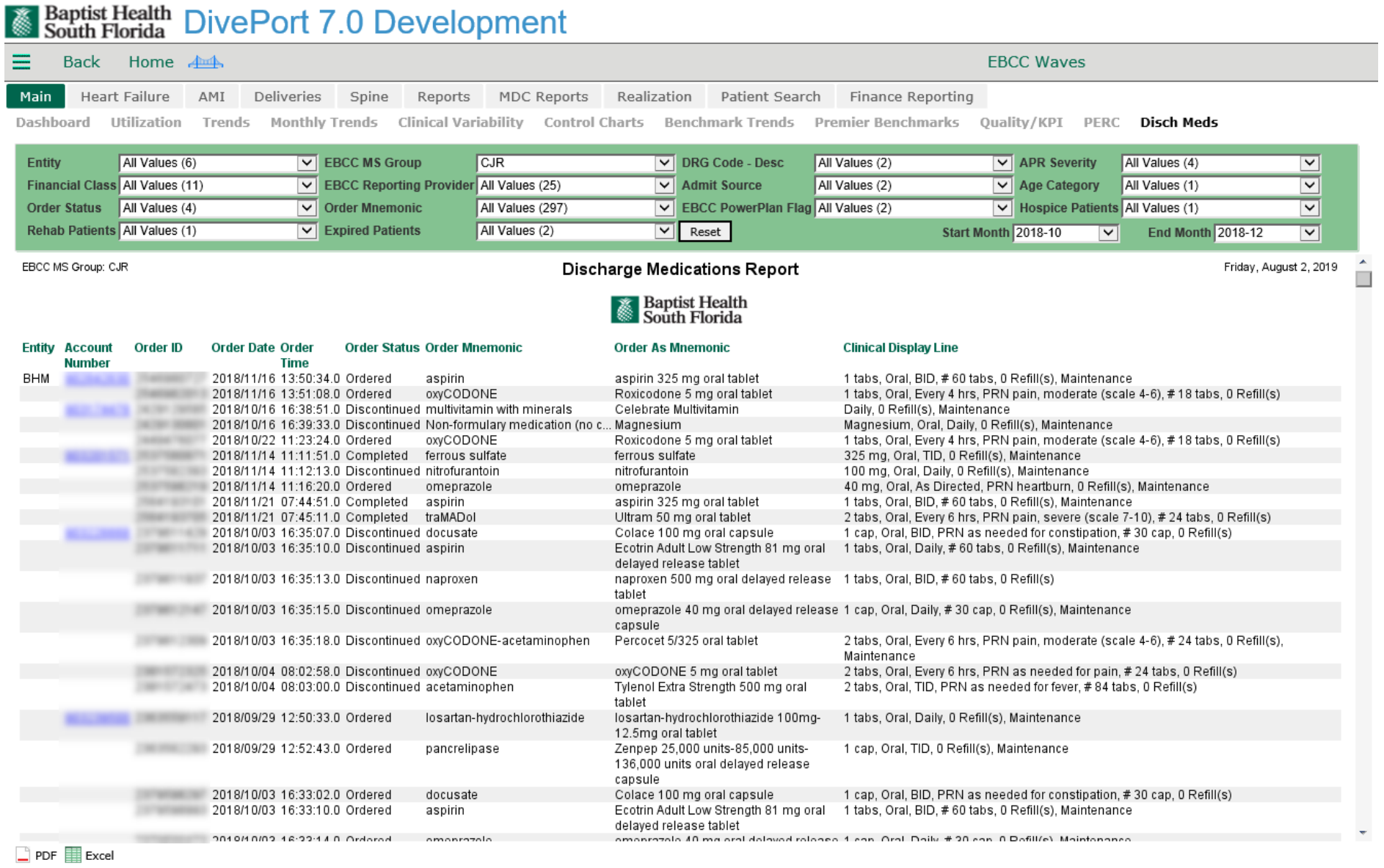
Order Sets – Cerner PowerPlans



Physician Education Rollout Council



Discharge Medications



Baptist Health South Florida DivePort 7.0 Development

Back Home EBCC Waves

Main | Heart Failure | AMI | Deliveries | Spine | Reports | MDC Reports | Realization | Patient Search | Finance Reporting

Dashboard | Utilization | Trends | Monthly Trends | Clinical Variability | Control Charts | Benchmark Trends | Premier Benchmarks | Quality/KPI | PERC | Disch Meds

Entity	All Values (6)	EBCC MS Group	CJR	DRG Code - Desc	All Values (2)	APR Severity	All Values (4)
Financial Class	All Values (11)	EBCC Reporting Provider	All Values (25)	Admit Source	All Values (2)	Age Category	All Values (1)
Order Status	All Values (4)	Order Mnemonic	All Values (297)	EBCC PowerPlan Flag	All Values (2)	Hospice Patients	All Values (1)
Rehab Patients	All Values (1)	Expired Patients	All Values (2)	Reset		Start Month 2018-10	End Month 2018-12

EBCC MS Group: CJR

Discharge Medications Report

Friday, August 2, 2019

Baptist Health South Florida

Entity	Account Number	Order ID	Order Date	Order Time	Order Status	Order Mnemonic	Order As Mnemonic	Clinical Display Line
BHM			2018/11/16	13:50:34.0	Ordered	aspirin	aspirin 325 mg oral tablet	1 tabs, Oral, BID, # 60 tabs, 0 Refill(s), Maintenance
			2018/11/16	13:51:08.0	Ordered	oxyCODONE	Roxicodone 5 mg oral tablet	1 tabs, Oral, Every 4 hrs, PRN pain, moderate (scale 4-6), # 18 tabs, 0 Refill(s)
			2018/10/16	16:38:51.0	Discontinued	multivitamin with minerals	Celebrate Multivitamin	Daily, 0 Refill(s), Maintenance
			2018/10/16	16:39:33.0	Discontinued	Non-formulary medication (no c...	Magnesium	Magnesium, Oral, Daily, 0 Refill(s), Maintenance
			2018/10/22	11:23:24.0	Ordered	oxyCODONE	Roxicodone 5 mg oral tablet	1 tabs, Oral, Every 4 hrs, PRN pain, moderate (scale 4-6), # 18 tabs, 0 Refill(s)
			2018/11/14	11:11:51.0	Completed	ferrous sulfate	ferrous sulfate	325 mg, Oral, TID, 0 Refill(s), Maintenance
			2018/11/14	11:12:13.0	Discontinued	nitrofurantoin	nitrofurantoin	100 mg, Oral, Daily, 0 Refill(s), Maintenance
			2018/11/14	11:16:20.0	Ordered	omeprazole	omeprazole	40 mg, Oral, As Directed, PRN heartburn, 0 Refill(s), Maintenance
			2018/11/21	07:44:51.0	Completed	aspirin	aspirin 325 mg oral tablet	1 tabs, Oral, BID, # 60 tabs, 0 Refill(s), Maintenance
			2018/11/21	07:45:11.0	Completed	traMADol	Ultram 50 mg oral tablet	2 tabs, Oral, Every 6 hrs, PRN pain, severe (scale 7-10), # 24 tabs, 0 Refill(s)
			2018/10/03	16:35:07.0	Discontinued	docusate	Colace 100 mg oral capsule	1 cap, Oral, BID, PRN as needed for constipation, # 30 cap, 0 Refill(s)
			2018/10/03	16:35:10.0	Discontinued	aspirin	Ecotrin Adult Low Strength 81 mg oral delayed release tablet	1 tabs, Oral, Daily, # 60 tabs, 0 Refill(s), Maintenance
			2018/10/03	16:35:13.0	Discontinued	naproxen	naproxen 500 mg oral delayed release tablet	1 tabs, Oral, BID, # 60 tabs, 0 Refill(s)
			2018/10/03	16:35:15.0	Discontinued	omeprazole	omeprazole 40 mg oral delayed release capsule	1 cap, Oral, Daily, # 30 cap, 0 Refill(s), Maintenance
			2018/10/03	16:35:18.0	Discontinued	oxyCODONE-acetaminophen	Percocet 5/325 oral tablet	2 tabs, Oral, Every 6 hrs, PRN pain, moderate (scale 4-6), # 24 tabs, 0 Refill(s), Maintenance
			2018/10/04	08:02:58.0	Discontinued	oxyCODONE	oxyCODONE 5 mg oral tablet	2 tabs, Oral, Every 6 hrs, PRN as needed for pain, # 24 tabs, 0 Refill(s)
			2018/10/04	08:03:00.0	Discontinued	acetaminophen	Tylenol Extra Strength 500 mg oral tablet	2 tabs, Oral, TID, PRN as needed for fever, # 84 tabs, 0 Refill(s)
			2018/09/29	12:50:33.0	Ordered	losartan-hydrochlorothiazide	losartan-hydrochlorothiazide 100mg-12.5mg oral tablet	1 tabs, Oral, Daily, 0 Refill(s), Maintenance
			2018/09/29	12:52:43.0	Ordered	pancrelipase	Zenpep 25,000 units-85,000 units-136,000 units oral delayed release capsule	1 cap, Oral, TID, 0 Refill(s), Maintenance
			2018/10/03	16:33:02.0	Ordered	docusate	Colace 100 mg oral capsule	1 cap, Oral, BID, PRN as needed for constipation, # 30 cap, 0 Refill(s)
			2018/10/03	16:33:10.0	Ordered	aspirin	Ecotrin Adult Low Strength 81 mg oral delayed release tablet	1 tabs, Oral, BID, # 60 tabs, 0 Refill(s), Maintenance
			2018/10/03	16:33:14.0	Ordered	omeprazole	omeprazole 40 mg oral delayed release	1 cap, Oral, Daily, # 30 cap, 0 Refill(s), Maintenance

PDF Excel

What has EBCC Accomplished?

Dimensional INSIGHT

What has EBCC Accomplished? (FY 2018 – 2019 YTD)

77,335 Patients that qualified for an EBCC PowerPlan/Pathway

1,058 Providers educated

Created **20** CMEs taken by over **854** Providers

187,074 EBCC PowerPlans used with an overall compliance rate of **82.8%**

181 MS-DRGs redesigned

Redesigned **43** clinical pathways and **59** algorithms

Developed and deployed **129** PowerPlans

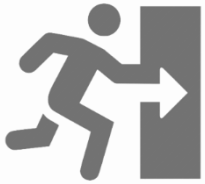
Created/updated **32** policies, and **40** eWINKs.

Dimensional INSIGHT

What has EBCC Accomplished? (FY 2018 – 2019 YTD)

73% reduction in blood product utilization in CJR patients from 2017 to 2019

More than **38%** improvement in discharging DVT patients home rather than admitting from 2017 to 2019

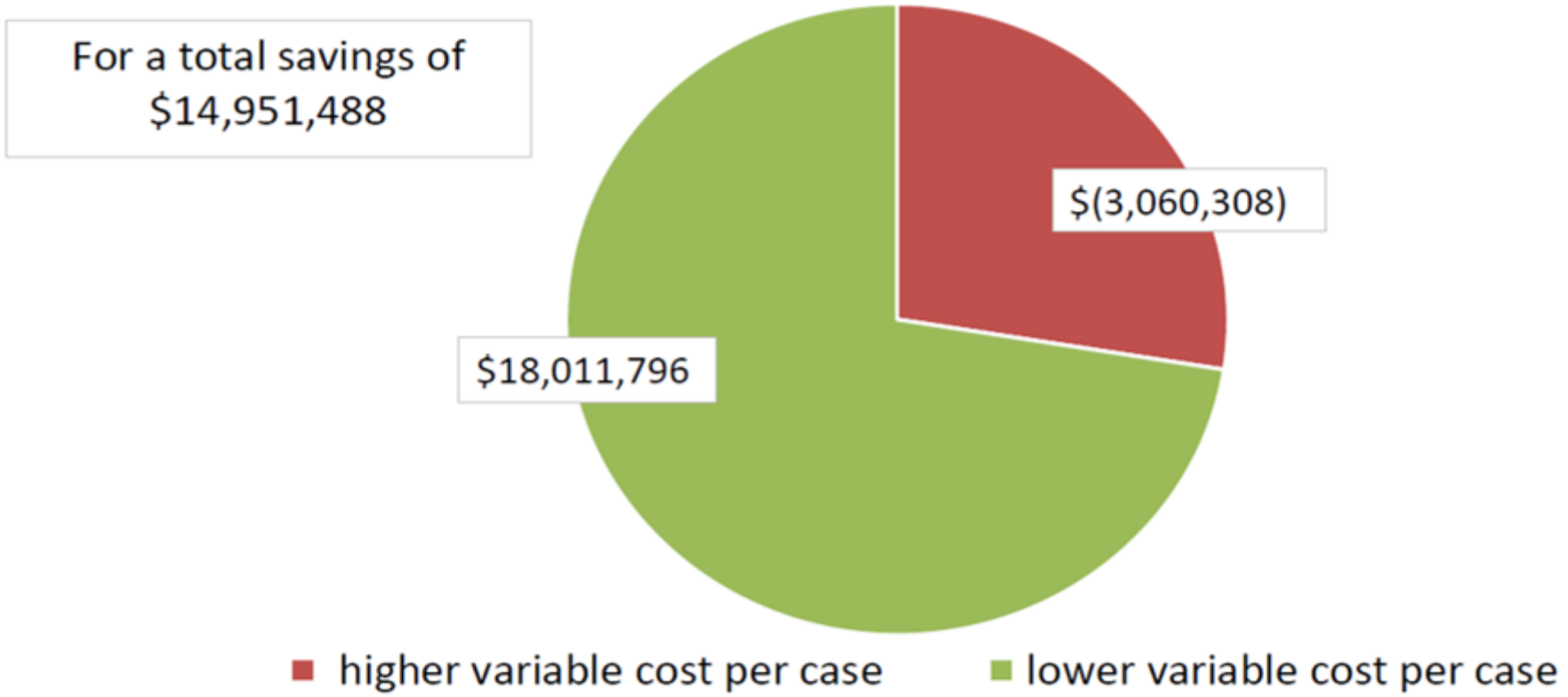


Minor severity cellulitis admissions decreased by **40.5%** from 2018 to 2019

Variable cost per case reduction from prior year on **50%** of the MSDRGs, at the severity level, in waves 1-5

Dimensional INSIGHT

Volume Adjusted EBCC 1:1 Match SOI MSDRGs Realization



Oct 17-May 18 and Oct 18-May 19
Excludes volume <= 10 Cases and adjusted for outliers (2STD)

Dimensional INSIGHT

Next Steps

- *Move our Daily EBCC process from Weekly loads to daily loads*
- *Continue to develop clinical KPIs for each of the clinical areas identified with highest potential to decrease LOS, Cost and Variability of Care*
- *Implementing Measure Factory and Dimensional Insight Ambulatory Operations (Phase I)*
- *Physician Augmentation (Phase II)*
- *Implement real time data capture from our Cerner EMR.*
- *Develop real time alerts for clinical metrics*

Dimensional INSIGHT

The “Ask”

Dimensional INSIGHT

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