



Smart decisions. Lasting value.™

Crowe Healthcare Summit 2019 Nurture Your Network Upskill. Connect. Grow.

Client Showcase Simplifying Data Analysis Through Visualization

September 17

Presented by:

Thor Peterson
Wynne Campbell
Gayle Flanagan
Meghan DeCuir
Kristen Hancock



**Introducing Healthcare's
Trusted Community:**

The Crowe Hive Network



Being successful in your role today looks different than it did even a few years ago. **Engage with a network of those who have been there before you:**

- Ask and answer community questions
- Seek validation and gain support through crowdsourcing
- Connect with peers and Crowe specialists
- Earn rewards for your engagement and shop the Hive store

Simplify your busy workday. Register today to continue the Healthcare Summit conversations: crowehive.com.

Agenda

- Introduction
- Visualization Examples for...
 - Recovery and Takeback Analysis
 - Change in Prior Analysis
 - Revenue Cycle Performance Analytics

Your Crowe Presenters



Thor Peterson

is responsible for helping our clients better visualize and understand their financial data. In this role, he leads content design using the Crowe RCA Ad-hoc Reporting Module and oversees Tableau software implementation and training.



Wynne Campbell

is the product manager for the Crowe Performance Analytics product. Wynne's experience includes healthcare revenue cycle consulting with focus on A/R management, physician documentation improvement, denials management, and front-end process improvement.

Your Showcase Presenters



Gayle Flanagan



Meghan DeCuir



Kristen Hancock





Recovery and Takeback Analysis

Gayle Flanagan
Hartford Healthcare

Gayle Flanagan

is the Director of Revenue and Receivable Analytics at Hartford Healthcare in Connecticut. She has worked at Hartford Healthcare for over 20 years in the area of Finance and has over 30 years' experience in Healthcare reimbursement. Currently, Gayle is responsible for all of Hartford Healthcare's Acute Hospital's month end reserves and AR analytics. Gayle is also a lead, coordinating EPIC, RCA and PeopleSoft system's coding.





Pictured: Bone & Joint

HARTFORD HEALTHCARE CROWE RCA SUMMIT 2019

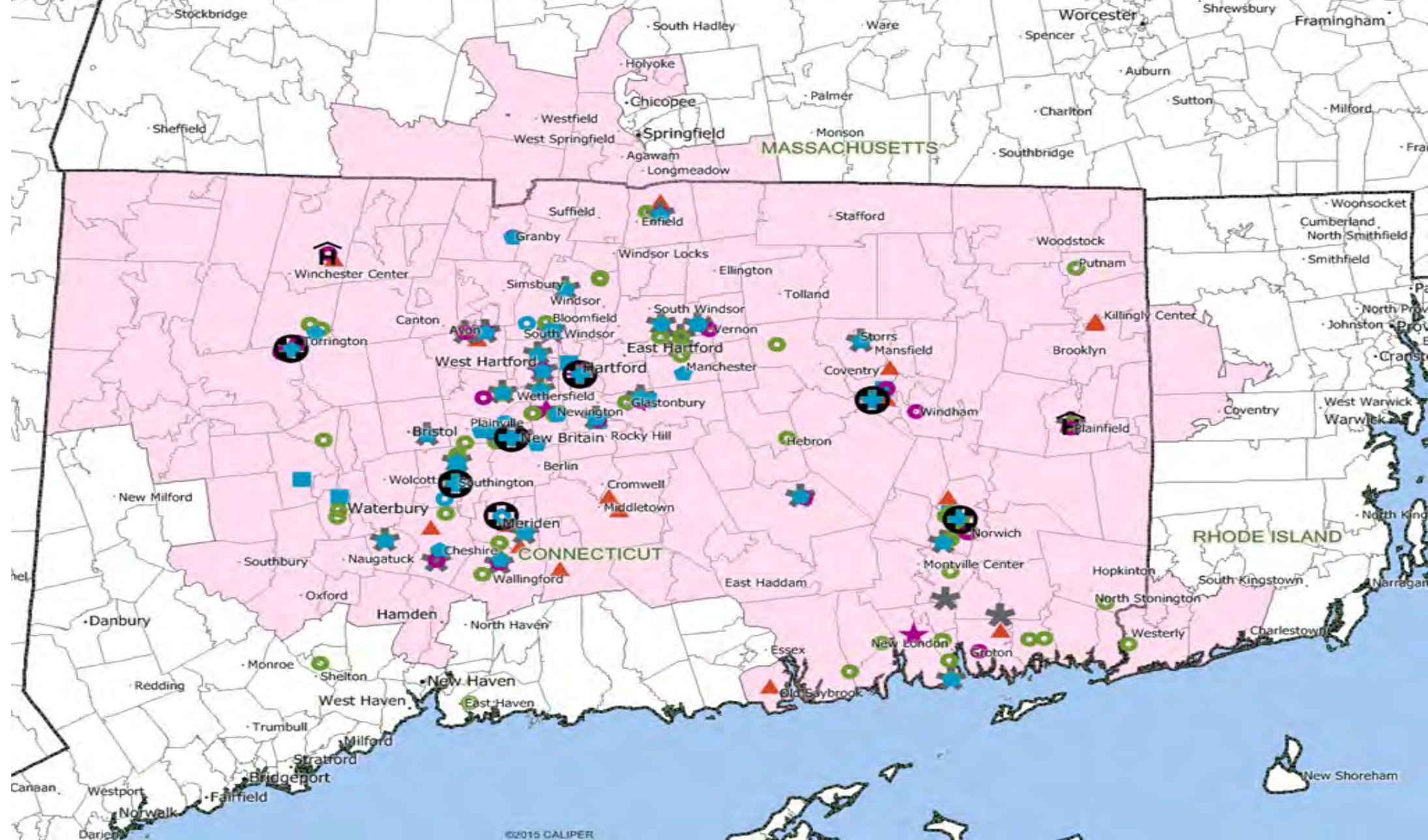
Recovery and Takeback Analysis



© Robert Benson Photography

Connecticut's most comprehensive
health care network

Hartford
HealthCare
Connect to healthier.™



| | | | | | |
|---|---|---|--|--|---|
| 6 Acute Care Hospitals <i>covering 4 major regions in CT</i> | 270 Total Locations <i>Spanning across 3 states: CT, RI and MA</i> | 126 Towns and cities | 11 Surgical & Diagnostic Centers | 33 Family Health Centers | 17 Urgent Care Centers |
| 33 Imaging Locations | 89 Physician Service Sites | 3 LifeStar <i>CT's longest running air ambulance</i> | 20k+ Employees | \$3.1B Operating Revenue <i>Audited</i> | \$267M Community Benefit <i>2017</i> |

Connecticut's most comprehensive
health care network



HHC AND CROWE RCA

AT A GLANCE

HHC

- Implemented Crowe RCA 6 Acute Hospitals with 5 legacy systems: Invision, STAR, 2 Meditech versions and MS4
- Conversion to EPIC began 2016 and continues
- Templates used for Reserve calculations.

CROWE RCA

- Implemented 2014
- Upgrade Crowe RCA 2017 in 2/2019
- Tableau implementation 6/2019

Recoveries & Takebacks

- Conversion of Legacy system
- Manual review of ranges
- Automation of ranges via Tableau

Recovery and Takebacks

- Legacy System
- Impacts of Legacy system Conversion to Recovery and Takeback
- Recovery and Takeback ranges provide payment and recoup detail regarding bad debt and inactive accounts for a specific ATB date range, ie 12 months

Recovery and Takebacks

Prior process

Raw Data from AR59

Manual review of 6 ranges starting with AR59

| AR059 Recovery and Takeback | | | | | | | | | | | | | | |
|-----------------------------|----------------------------|-------------|---------------------------|-------------------------------|-------------------------|---------------|----------------|----------------|--------------|------------------|-------------------------------|----------|----------------|---------------------|
| Analysis Date | 05/31/2018 | | | | | | | | | | | | | |
| Activity Through | 05/31/2019 | | | | | | | | | | | | | |
| SubFacility | Account Number | In Out Type | System Insurance Provider | Financial Class Code and Name | Insurance Code and Name | Billing Type | Admission Date | Discharge Date | Posting Date | Transaction Code | Transaction Description | Status | Amount | Recovery / Takeback |
| Hospital A | 2754222487 | Inpatient | 765 Payor A | 100 Fin Class ABC | 90715 Payor A | Not Recurring | 02/07/2018 | 03/29/2018 | 02/01/2019 | 2000 | INSURANCE PAYMENT (INSURANCE) | INACTIVE | (\$233,250.00) | Recovery |
| Hospital A | 8776587163 | Inpatient | 412 Payor B | 102 Fin Class MNX | 87865 Payor B | Not Recurring | 10/06/2017 | 11/03/2017 | 06/20/2018 | 2000 | INSURANCE PAYMENT (INSURANCE) | INACTIVE | (\$11,843.62) | Recovery |
| Hospital A | 2318754754 | Outpatient | 765 Payor A | 100 Fin Class ABC | 90715 Payor A | Not Recurring | 10/20/2017 | 11/06/2017 | 03/07/2019 | 2000 | INSURANCE PAYMENT (INSURANCE) | INACTIVE | (\$97,990.00) | Recovery |
| Hospital A | 4345915555 | Inpatient | 956 Payor CD | 103 Fin Class QTV | 76777 Payor CD | Not Recurring | 10/20/2017 | 11/06/2017 | 03/07/2019 | 2000 | INSURANCE PAYMENT (INSURANCE) | INACTIVE | (\$41,142.00) | Recovery |
| Hospital A | 5844412666 | Inpatient | 765 Payor A | 102 Fin Class MNX | 87865 Payor B | Not Recurring | 10/20/2017 | 11/06/2017 | 03/07/2019 | 2000 | INSURANCE PAYMENT (INSURANCE) | INACTIVE | (\$34,062.00) | Recovery |
| Hospital A | 5346667777 | Outpatient | 956 Payor CD | 103 Fin Class QTV | 76777 Payor CD | Not Recurring | 10/30/2017 | 11/30/2017 | 06/22/2018 | 2000 | INSURANCE PAYMENT (INSURANCE) | INACTIVE | (\$13,720.54) | Recovery |
| Hospital A | 5277778888 | Inpatient | 765 Payor A | 100 Fin Class ABC | 90715 Payor A | Not Recurring | 10/30/2017 | 11/30/2017 | 07/31/2018 | 2000 | INSURANCE PAYMENT (INSURANCE) | INACTIVE | (\$248,122.00) | Recovery |
| Hospital A | 5276889999 | Inpatient | 412 Payor B | 102 Fin Class MNX | 87865 Payor B | Not Recurring | 02/19/2017 | 02/26/2017 | 06/05/2018 | 2000 | INSURANCE PAYMENT (INSURANCE) | INACTIVE | (\$1,340.00) | Recovery |
| Hospital A | 4255544423 | Inpatient | 376 Payor MT | 100 Fin Class ABC | 90715 Payor A | Not Recurring | 12/15/2017 | 12/29/2017 | 10/09/2018 | 2000 | INSURANCE PAYMENT (INSURANCE) | INACTIVE | \$14,739.57 | Takeback |
| Hospital A | 887777523 | Inpatient | 100 Payor RF | 112 Fin class BRD | 20744 Payor SOC | Not Recurring | 12/15/2017 | 12/29/2017 | 08/31/2018 | 2000 | INSURANCE PAYMENT (INSURANCE) | INACTIVE | \$140.14 | Takeback |
| Hospital A | 4266111244 | Outpatient | 100 Payor BF | 112 Fin class BRD | 20744 Payor SOC | Not Recurring | 02/05/2018 | 02/13/2018 | 08/20/2018 | 2000 | INSURANCE PAYMENT (INSURANCE) | INACTIVE | \$186,465.18 | Takeback |
| Hospital A | 4255512345 | Outpatient | 376 Payor MT | 789 Fin Class RFT | 87884 Payor TRM | Not Recurring | 04/05/2018 | 04/13/2018 | 08/20/2018 | 2000 | INSURANCE PAYMENT (INSURANCE) | INACTIVE | \$250,949.04 | Takeback |
| Hospital A | 7488924881 | Outpatient | 765 Payor A | 100 Fin Class ABC | 90715 Payor A | Not Recurring | 01/05/2018 | 01/13/2018 | 08/20/2018 | 2000 | INSURANCE PAYMENT (INSURANCE) | INACTIVE | \$73,946.00 | Takeback |

Recovery and Takebacks

Prior process

Pivot by Payor

| PIVOT | | | | |
|---------------|----------------|-----------|------------|-------------|
| Sum of Amount | | | | |
| Row Labels | Account Number | Inpatient | Outpatient | Grand Total |
| Total | | | | 0 |
| Payor A | 42572444 | | 62781 | 62781 |
| | 18795741 | | -84741 | -84741 |
| | 27542248 | -233250 | | -233250 |
| | 87549171 | | -8768.27 | -8768.27 |
| | 97875446 | | -687.99 | -687.99 |
| | 15246404 | | -86.51 | -86.51 |
| | 51717414 | 130416 | | 130416 |
| | 31034567 | 1276.6 | | 1276.6 |
| Payor CD | 23104478 | | -837.83 | -837.83 |
| | 62300572 | -30 | | -30 |
| | 23500264 | -1000 | | -1000 |
| | 71350862 | | -8.34 | -8.34 |
| | 43506361 | | -84.34 | -84.34 |
| | 53466677 | | -13720.54 | -13720.54 |
| | 78730610 | | -833.94 | -833.94 |
| | 61705639 | | -363.99 | -363.99 |
| Payor TRM | 72871258 | | -550 | -550 |
| | 58759721 | | 300 | 300 |
| | 42555123 | | 250949.04 | 250949.04 |
| | 34811851 | 240 | | 240 |
| | 11625305 | | -82.07 | -82.07 |
| | 33407874 | | -810.97 | -810.97 |
| | 41506792 | | -50 | -50 |
| | 35609222 | 0 | | 0 |
| | 58705122 | | -202.25 | -202.25 |
| Payor B | 87765871 | -11843.62 | 0 | -11843.62 |
| | 62600398 | | -50 | -50 |
| | 71504194 | | -847 | -847 |
| | 71440107 | -2412.13 | | -2412.13 |
| | 55630466 | 0 | | 0 |
| | 31404773 | | -40 | -40 |

PivotTable Field List

Choose fields to add to report:

☐ SubFacility
☒ **Account Number**
☒ **In Out Type**
☐ System Insurance Provider Group Code ...
☒ **SIPG description**
☐ Financial Class Code and Name
☐ FC description
☐ Insurance Code and Name
☐ Ins Code description
☐ Billing Type
☐ Admission Date
☐ Discharge Date
☐ Posting Date
☐ Transaction Code
☐ Transaction Description
☐ Status
☒ **Amount**
☐ Recovery / Takeback

Drag fields between areas below:

Report Filter

Column Labels

In Out Type

Row Labels

Values

SIPG description

Account Num...

Sum of Amount

Recovery and Takebacks

Prior process

Pivot by Payor

| Sum of Amount | Account Number | Inpatient | Outpatient | Grand Total |
|---------------|----------------|-----------|------------|-------------|
| Row Labels | | | | |
| Total | | | | 0 |
| Payor A | 42572444 | | 62781 | 62781 |
| | 18795741 | | -84741 | -84741 |
| | 27542248 | -233250 | | -233250 |
| | 87549171 | | -8768.27 | -8768.27 |
| | 97875446 | | -687.99 | -687.99 |
| | 15246404 | | -86.51 | -86.51 |
| | 51717414 | 130416 | | 130416 |
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| Payor CD | 23104478 | | -837.83 | -837.83 |
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| | 23500264 | -1000 | | -1000 |
| | 71350862 | | -8.34 | -8.34 |
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| | 78730610 | | -833.94 | -833.94 |
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| | 42555123 | | 250949.04 | 250949.04 |
| | 34811851 | 240 | | 240 |
| | 11625305 | | -82.07 | -82.07 |
| | 33407874 | | -810.97 | -810.97 |
| | 41506792 | | -50 | -50 |
| | 35609222 | 0 | | 0 |
| | 58705122 | | -202.25 | -202.25 |
| Payor B | 87765871 | -11843.62 | 0 | -11843.62 |
| | 62600398 | | -50 | -50 |
| | 71504194 | | -847 | -847 |
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☐ Ins Code description
☐ Billing Type
☐ Admission Date
☐ Discharge Date
☐ Posting Date
☐ Transaction Code
☐ Transaction Description
☐ Status
☒ Amount
☐ Recovery / Takeback

Drag fields between areas below:

Report Filter

Column Labels

In Out Type

Row Labels

Σ Values

SIPG description

Account Num...

Sum of Amount

| Sum of Amount | Recovery / Takeback | | |
|---------------|---------------------|-----------------|---------------|
| SIPG Name | Recovery | Takeback | Grand Total |
| Payor A | -\$3,455,332.28 | \$3,693,099.78 | \$237,767.50 |
| Payor CD | -\$5,803.99 | \$2,212.40 | -\$3,591.59 |
| Payor TRM | -\$86,149.38 | \$72,740.01 | -\$13,409.37 |
| Payor B | -\$2,500,571.05 | \$2,393,195.14 | -\$107,375.91 |
| Grand Total | -\$12,691,066.26 | \$12,943,370.49 | \$252,304.23 |

- Multiple Pivots, taking 10 minutes plus per range depending on view wanted

| PIVOT | | | | |
|---------------|------------|-----------|------------|-------------|
| Sum of Amount | | | | |
| Row Labels | Account Nu | Inpatient | Outpatient | Grand Total |
| Total | | | | 0 |
| Payor A | 42572444 | | 62781 | 62781 |
| | 18795741 | | -84741 | -84741 |
| | 27542248 | -233250 | | -233250 |
| | 87549171 | | -8768.27 | -8768.27 |
| | 97875446 | | -687.99 | -687.99 |
| | 15246404 | | -86.51 | -86.51 |
| | 51717414 | 130416 | | 130416 |
| | 31034567 | 1276.6 | | 1276.6 |
| Payor CD | 23104478 | | -837.83 | -837.83 |
| | 62300572 | -30 | | -30 |
| | 23500264 | -1000 | | -1000 |
| | 71350862 | | -8.34 | -8.34 |
| | 43506361 | | -84.34 | -84.34 |
| | 53466677 | | -13720.54 | -13720.54 |
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| | 42555123 | | 250949.04 | 250949.04 |
| | 34811851 | 240 | | 240 |
| | 11625305 | | -82.07 | -82.07 |
| | 33407874 | | -810.97 | -810.97 |
| | 41506792 | | -50 | -50 |
| | 35609222 | 0 | | 0 |
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| Payor B | 87765871 | -11843.62 | 0 | -11843.62 |
| | 62600398 | | -50 | -50 |
| | 71504194 | | -847 | -847 |
| | 71440107 | -2412.13 | | -2412.13 |
| | 55630466 | 0 | | 0 |
| | 31404773 | | -40 | -40 |

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☒ Account Number

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☐ System Insurance Provider Group Code ...

☒ SIPG description

☐ Financial Class Code and Name

☐ FC description

☐ Insurance Code and Name

☐ Ins Code description

☐ Billing Type

☐ Admission Date

☐ Discharge Date

☐ Posting Date

☐ Transaction Code

☐ Transaction Description

☐ Status

☒ Amount

☐ Recovery / Takeback

Drag fields between areas below:

Report Filter

Column Labels

In Out Type

Row Labels

Σ Values

SIPG description

Account Num...

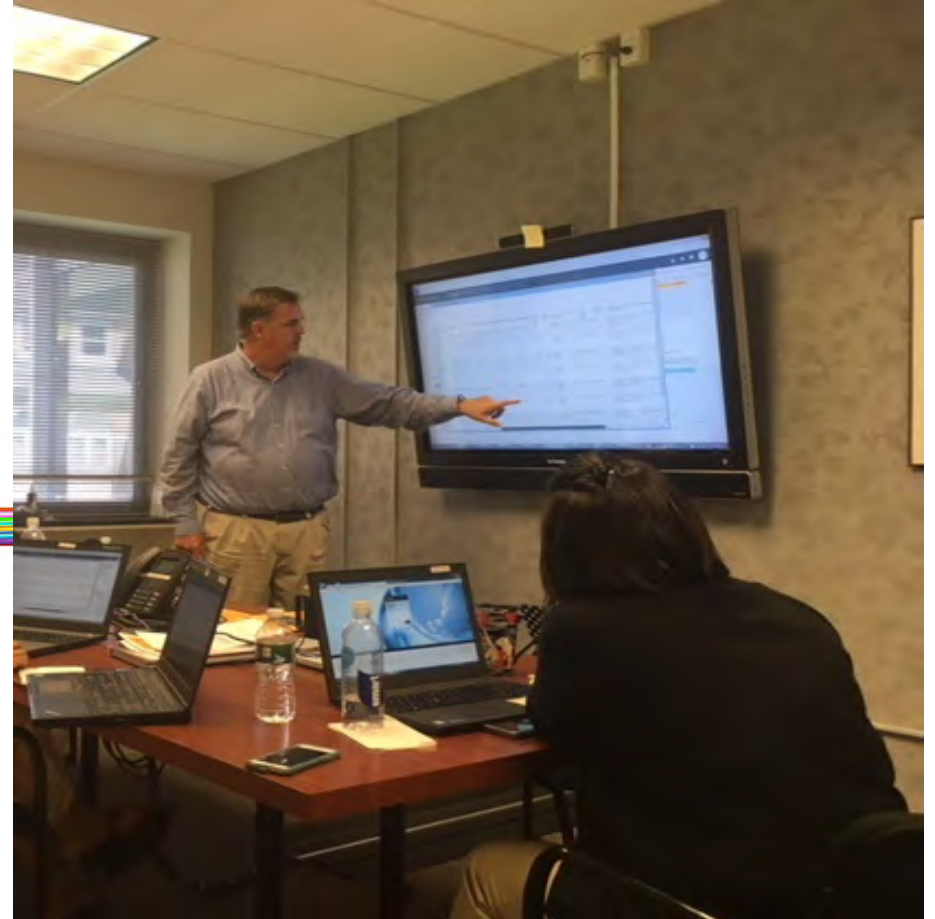
Sum of Amount

| PIVOT | | | |
|---------------|------------------|-----------------|---------------|
| Sum of Amount | | | |
| SIPG Name | Recovery | Takeback | Grand Total |
| Payor A | -\$3,455,332.28 | \$3,693,099.78 | \$237,767.50 |
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| Payor TRM | -\$86,149.38 | \$72,740.01 | -\$13,409.37 |
| Payor B | -\$2,500,571.05 | \$2,393,195.14 | -\$107,375.91 |
| Grand Total | -\$12,691,066.26 | \$12,943,370.49 | \$252,304.23 |

| PIVOT | | | |
|----------------|----------|-------------|-------------------|
| Sum of Amount | | | |
| Account Number | Status | Total | Takeback/Recovery |
| 42572444 | INACTIVE | -62,781.00 | Recovery |
| 18795741 | INACTIVE | -84,741.00 | Recovery |
| 27542248 | INACTIVE | -233,250.00 | Recovery |
| 51717414 | INACTIVE | 130,416.00 | Takeback |
| 31034567 | INACTIVE | 1,276.60 | Takeback |
| 23104478 | INACTIVE | -837.83 | Recovery |
| 62300572 | INACTIVE | -30.00 | Recovery |
| 23500264 | INACTIVE | -1,000.00 | Recovery |
| 71350862 | INACTIVE | -8.34 | Recovery |
| 72871258 | INACTIVE | -550.00 | Recovery |
| 58759721 | INACTIVE | 300.00 | Takeback |
| 42555123 | INACTIVE | 250,949.04 | Takeback |
| 34811851 | INACTIVE | 240.00 | Takeback |
| 87765871 | INACTIVE | -11,843.62 | Recovery |
| 62600398 | INACTIVE | -50.00 | Recovery |
| 71440107 | INACTIVE | -2,412.13 | Recovery |
| 98555512 | INACTIVE | 16,946.00 | Takeback |

HHC LEAN PRINCIPLE: KEEP IT SIMPLE

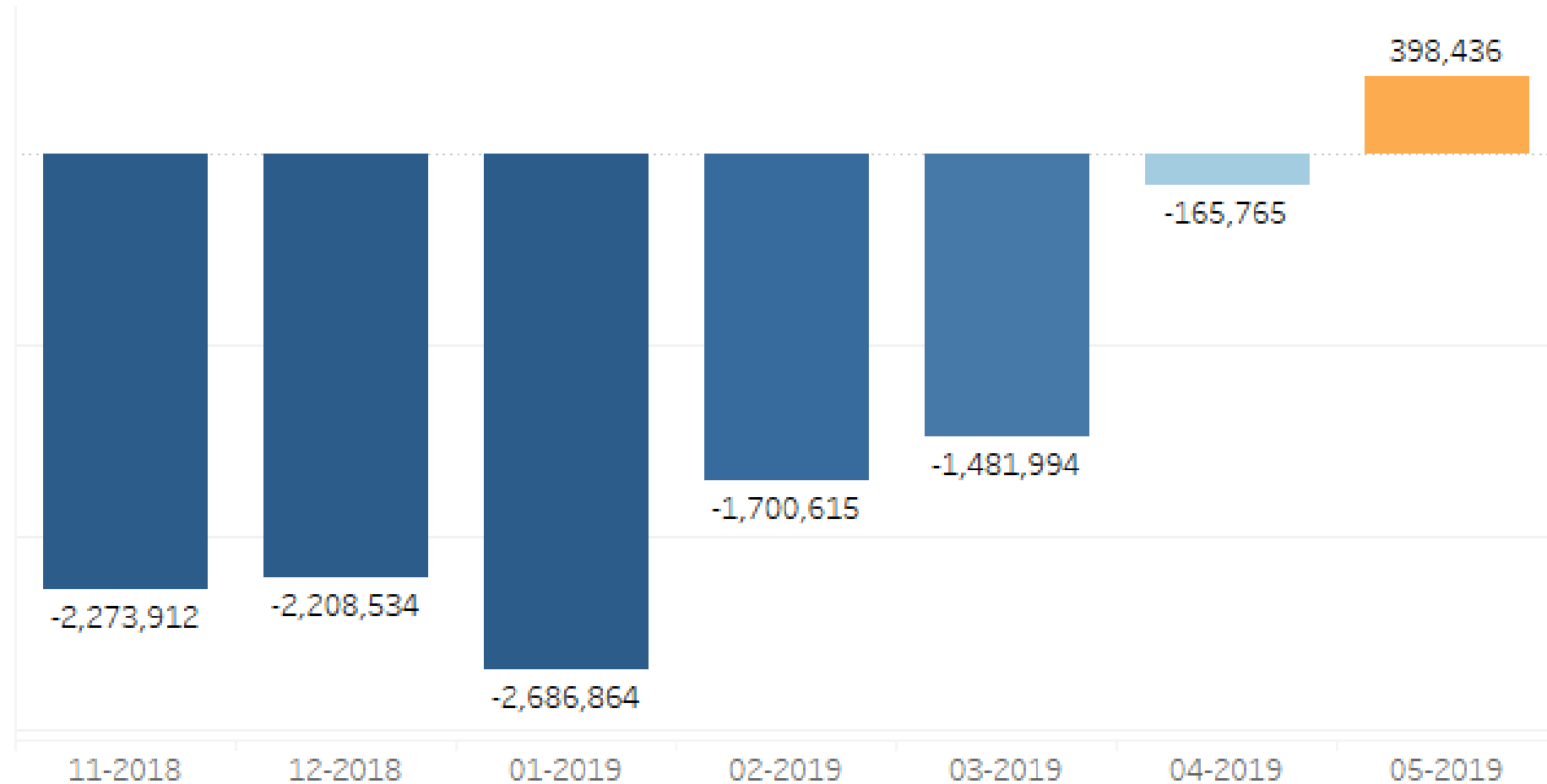
- Transition to Visualization Methodology via Tableau Software
 - Question-based
 - Collaborative Approach



HHC LEAN PRINCIPLE: KEEP IT SIMPLE

Trend of Ranges - Net of Recoveries and Takebacks

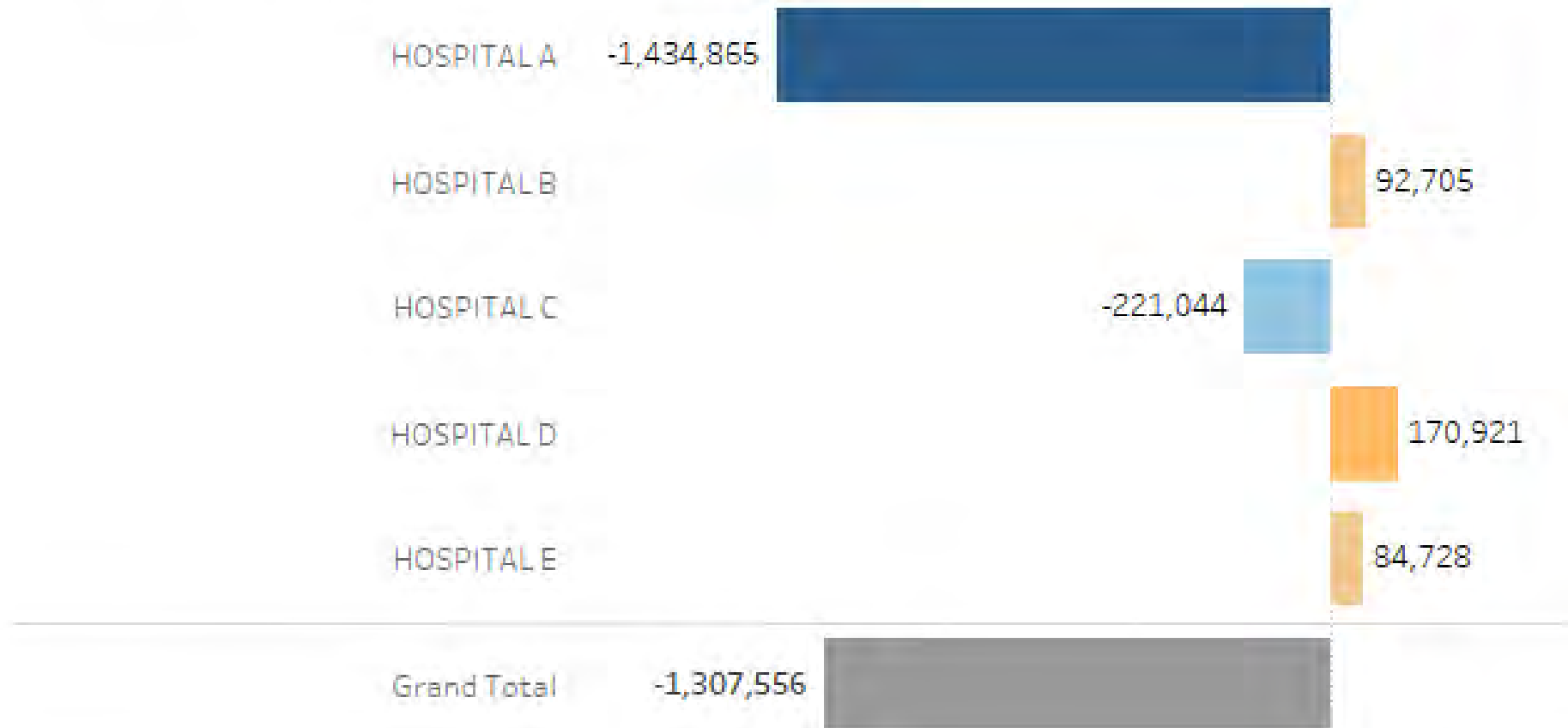
Dates Represent Range End Date



HHC LEAN PRINCIPLE: KEEP IT SIMPLE

Net Recoveries and Takebacks By Facility

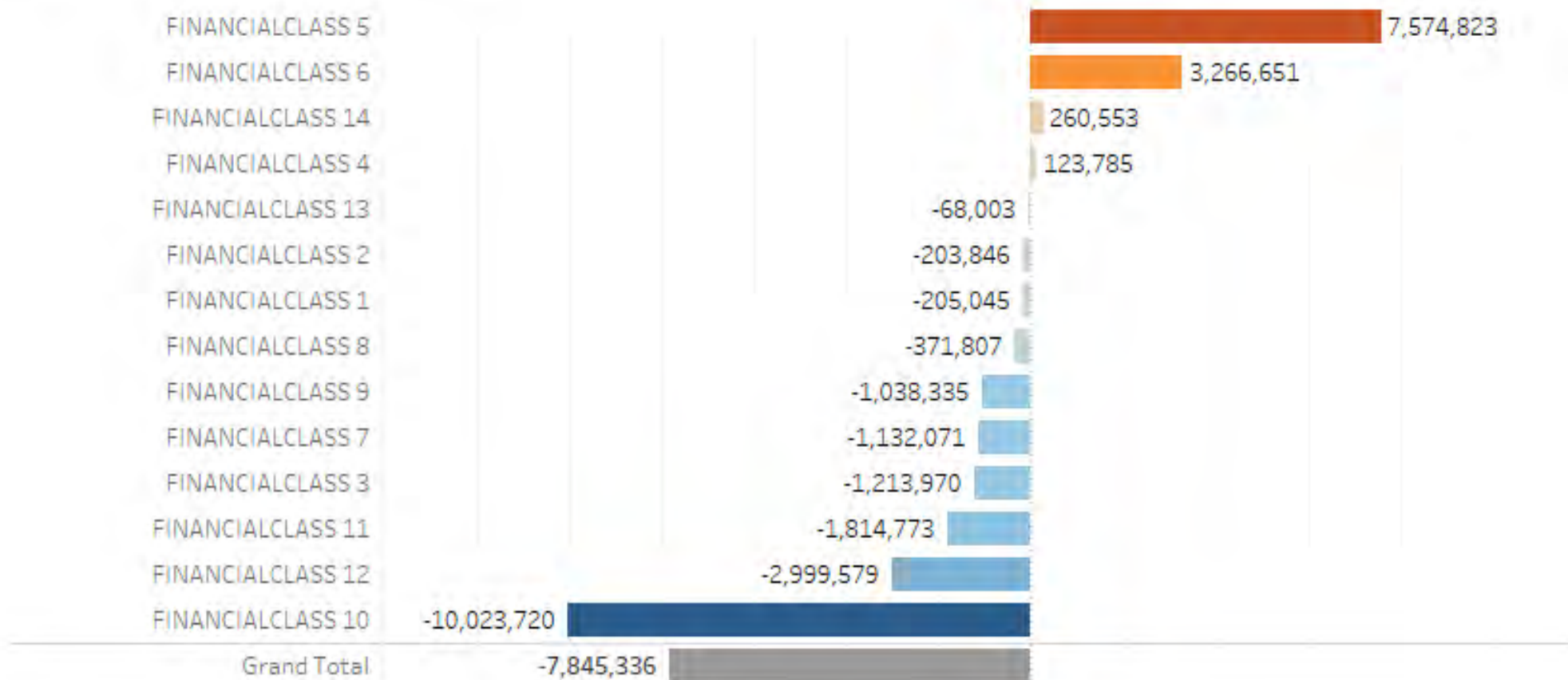
Avg of Most Current 6 Range Net Recoveries and Takebacks Utilized In Close



HHC LEAN PRINCIPLE: KEEP IT SIMPLE

Net Recoveries and Takebacks By Fin Class

Sum of All Net Recoveries and Takebacks



HHC LEAN PRINCIPLE: KEEP IT SIMPLE

Comparison of most current range to oldest range

Recoveries and Takebacks By Payer Plan

Range Detail - May 2019

| | | |
|---------------|---------|---|
| INSURANCE 1 | 112,438 | |
| INSURANCE 10 | -147 | ^ |
| INSURANCE 100 | 621,332 | |
| INSURANCE 101 | -33,709 | |
| INSURANCE 102 | -12,511 | |
| INSURANCE 103 | 105,947 | |
| INSURANCE 104 | 38,255 | |
| INSURANCE 105 | 11,590 | |
| INSURANCE 106 | 34,311 | |
| INSURANCE 107 | -9,174 | |
| INSURANCE 108 | 1,584 | |
| INSURANCE 109 | -20,648 | |
| INSURANCE 11 | 12,841 | |
| INSURANCE 110 | 4 | ^ |
| INSURANCE 111 | 0 | |

HHC LEAN PRINCIPLE: KEEP IT SIMPLE

Account Detail

Dates represent Discharge Date

- ☒ (All)
☐ Recovery
☐ Takeback

| Account Number | Insurance Description | Month of Discharge Date | FY 2016 | FY 2017 | FY 2018 | Grand Total |
|----------------|-----------------------|-------------------------|---------|---------|---------|-------------|
| <u>12345</u> | INSURANCE 181 | 07-2017 | | 286,114 | | 286,114 |
| <u>67891</u> | INSURANCE 150 | 10-2016 | | 281,102 | | 281,102 |
| <u>23456</u> | INSURANCE 74 | 01-2017 | | 253,920 | | 253,920 |
| <u>78910</u> | INSURANCE 150 | 09-2017 | | 233,436 | | 233,436 |
| <u>12345</u> | INSURANCE 150 | 06-2017 | | 231,567 | | 231,567 |
| <u>67891</u> | INSURANCE 60 | 10-2016 | | 199,605 | | 199,605 |
| <u>23456</u> | INSURANCE 74 | 03-2017 | | 194,048 | | 194,048 |
| <u>78910</u> | INSURANCE 74 | 12-2016 | | 191,536 | | 191,536 |
| <u>12345</u> | INSURANCE 6 | 09-2017 | | 223,320 | | 223,320 |
| | INSURANCE 31 | 09-2017 | | -38,880 | | -38,880 |
| <u>67891</u> | INSURANCE 31 | 01-2018 | | | -80,857 | -80,857 |
| | INSURANCE 41 | 01-2018 | | | 260,112 | 260,112 |
| <u>23456</u> | INSURANCE 60 | 10-2017 | | | 178,577 | 178,577 |
| <u>78910</u> | INSURANCE 165 | 12-2017 | | | 175,467 | 175,467 |

Data Source is Crowe RCA AR59

HHC LEAN PRINCIPLE: KEEP IT SIMPLE

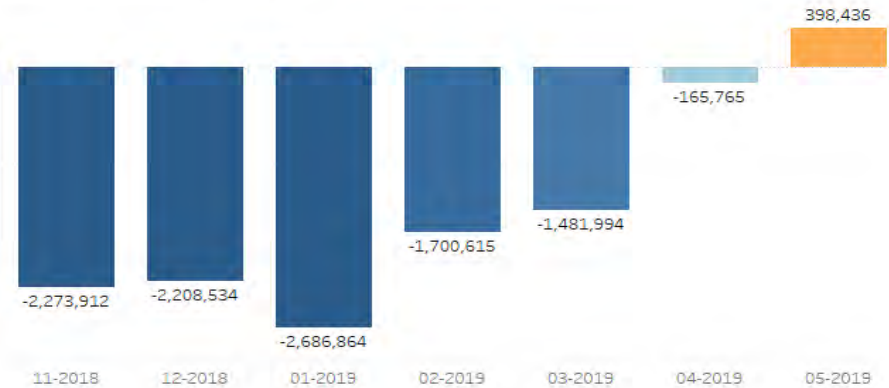


EPIC HB - RCA Recoveries And Takebacks

Month End : June, 2019

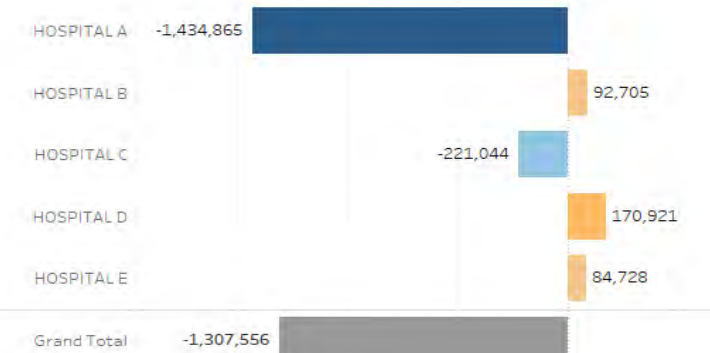
Trend of Ranges - Net of Recoveries and Takebacks

Dates Represent Range End Date



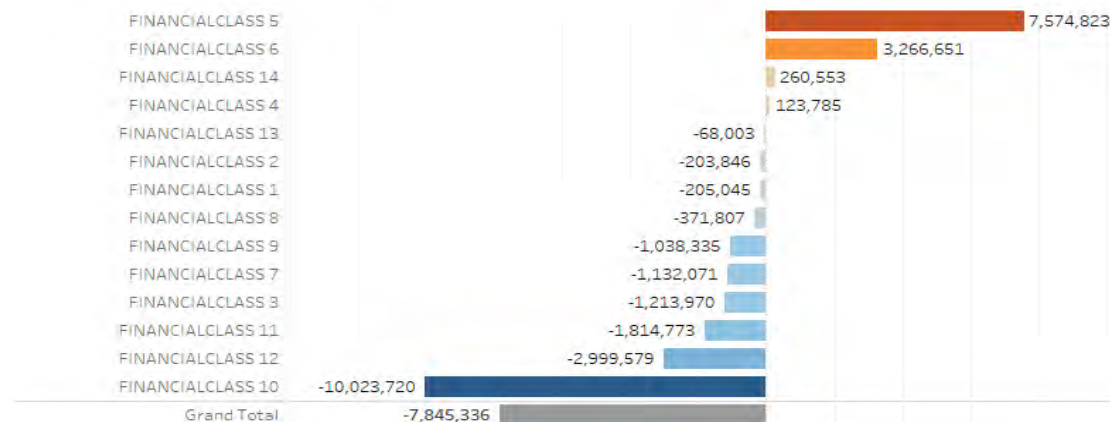
Net Recoveries and Takebacks By Facility

Avg of Most Current 6 Range Net Recoveries and Takebacks Utilized In Close



Net Recoveries and Takebacks By Fin Class

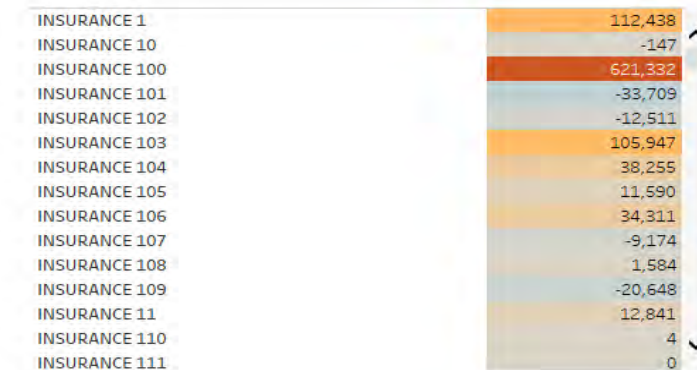
Sum of All Net Recoveries and Takebacks



Comparison of most current range to oldest range

Recoveries and Takebacks By Payer Plan

Range Detail - May 2019



HHC LEAN PRINCIPLE: KEEP IT SIMPLE

AR059 Ranges - February



EPIC HB - RCA Recoveries And Takebacks

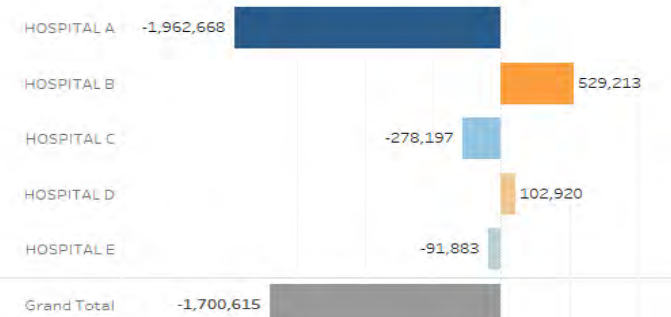
Month End : June, 2019

Trend of Ranges - Net of Recoveries and Takebacks
Dates Represent Range End Date



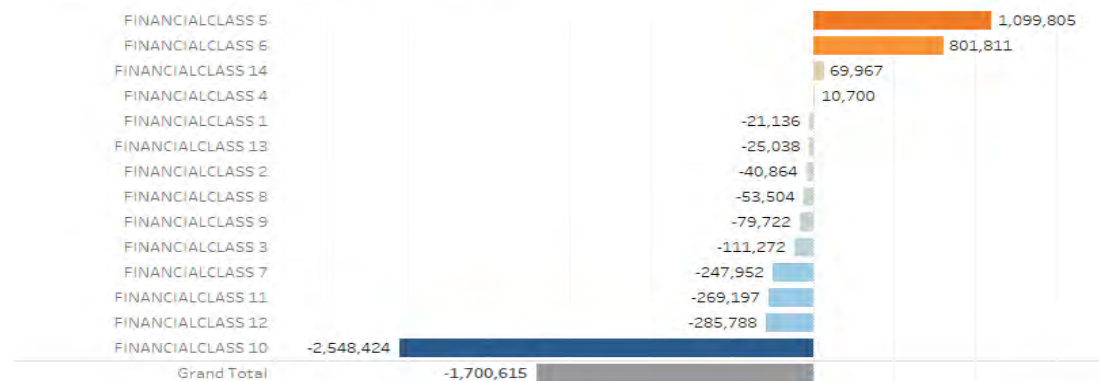
Net Recoveries and Takebacks By Facility

Avg of Most Current 6 Range Net Recoveries and Takebacks Utilized In Close



Net Recoveries and Takebacks By Fin Class

Sum of February 2019 Net Recoveries and Takebacks



Comparison of most current range to oldest range

*Recoveries and Takebacks By Payer Plan
Range Detail - February 2019*

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Facilities – Hospital A

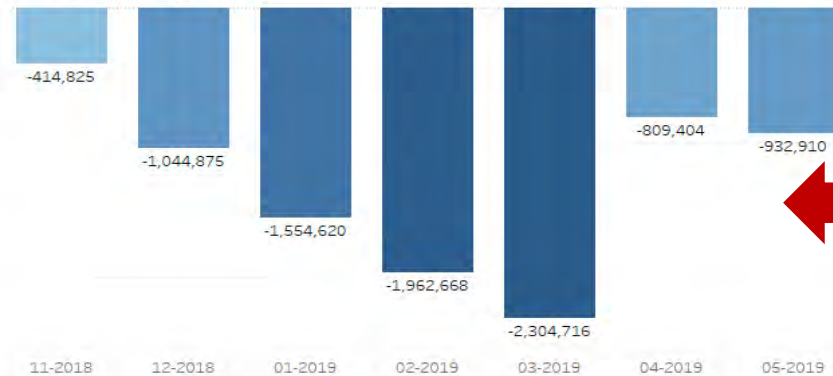


EPIC HB - RCA Recoveries And Takebacks

Month End : June, 2019

Trend of Ranges - Net of Recoveries and Takebacks

Dates Represent Range End Date



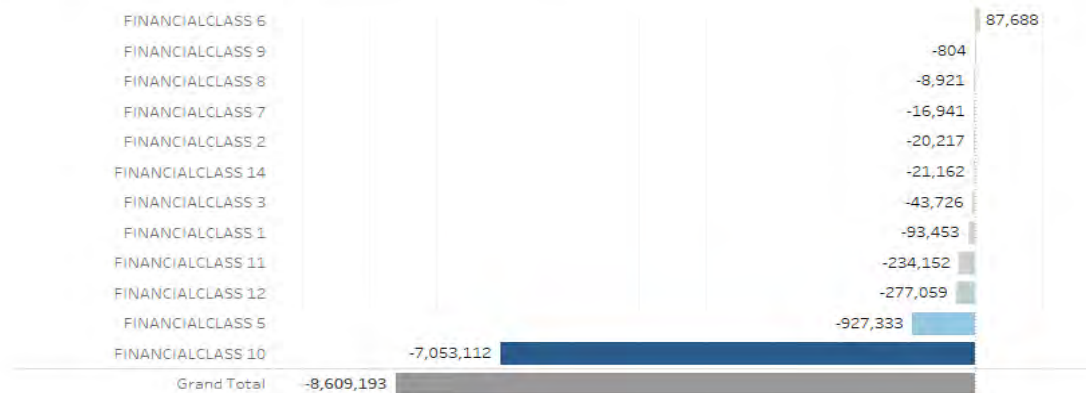
Net Recoveries and Takebacks By Facility

Avg of Most Current 6 Range Net Recoveries and Takebacks Utilized In Close



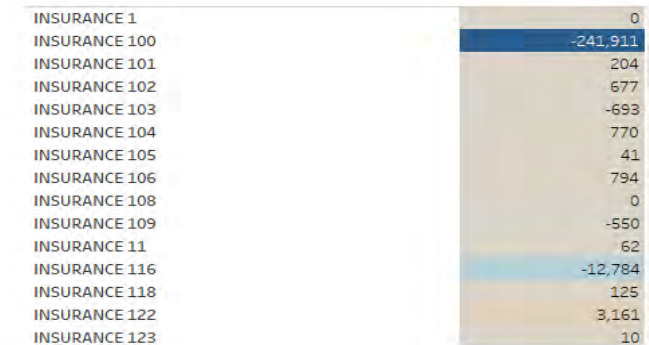
Net Recoveries and Takebacks By Fin Class

Sum of All Net Recoveries and Takebacks



Comparison of most current range to oldest range

Recoveries and Takebacks By Payer Plan
Range Detail - May 2019



HHC LEAN PRINCIPLE: KEEP IT SIMPLE

Financial Class – FINANCIALCLASS 12

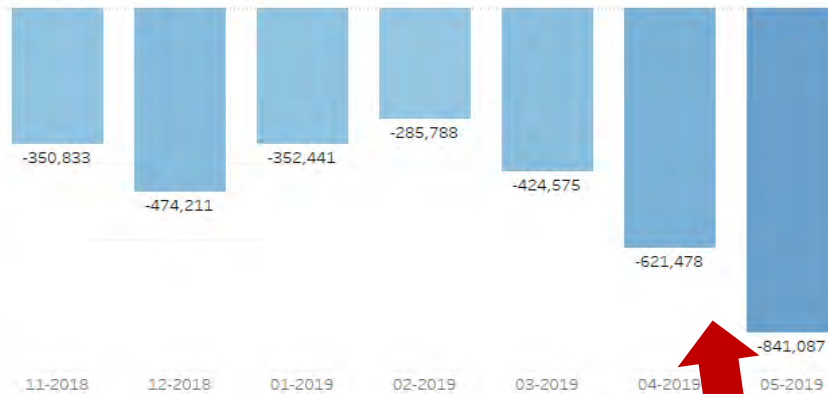


EPIC HB - RCA Recoveries And Takebacks

Month End : June, 2019

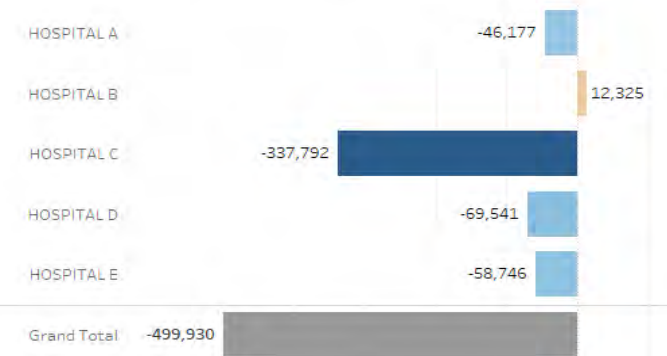
Trend of Ranges - Net of Recoveries and Takebacks

Dates Represent Range End Date



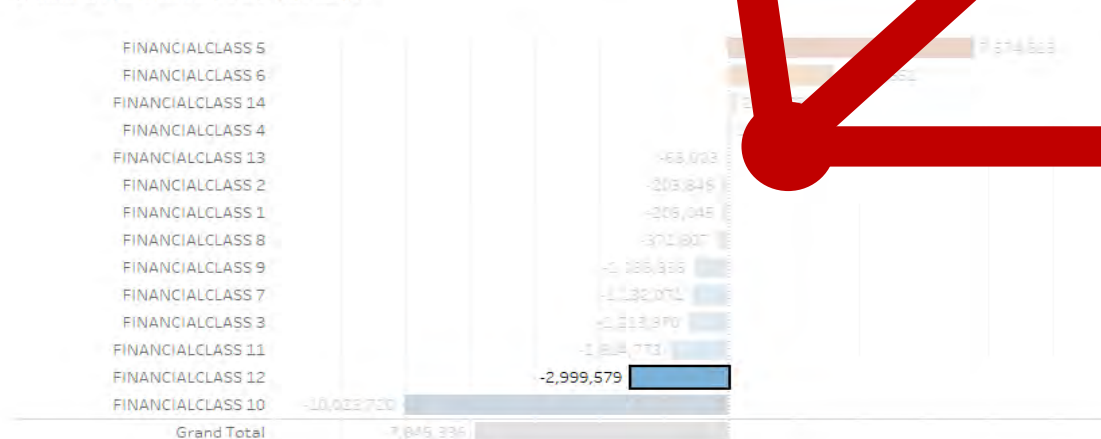
Net Recoveries and Takebacks By Facility

Avg of Most Current 6 Range Net Recoveries and Takebacks Utilized In Close



Net Recoveries and Takebacks By Fin Class

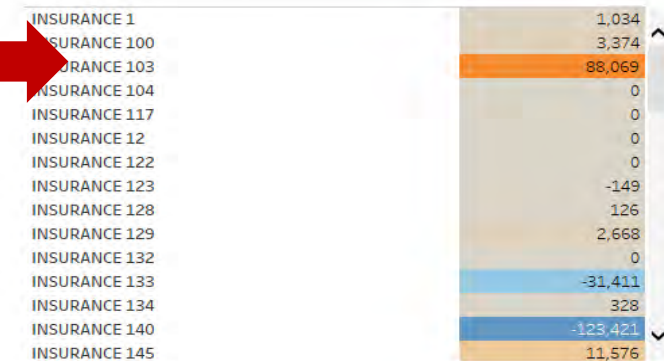
Sum of All Net Recoveries and Takebacks



Comparison of most current range to oldest range

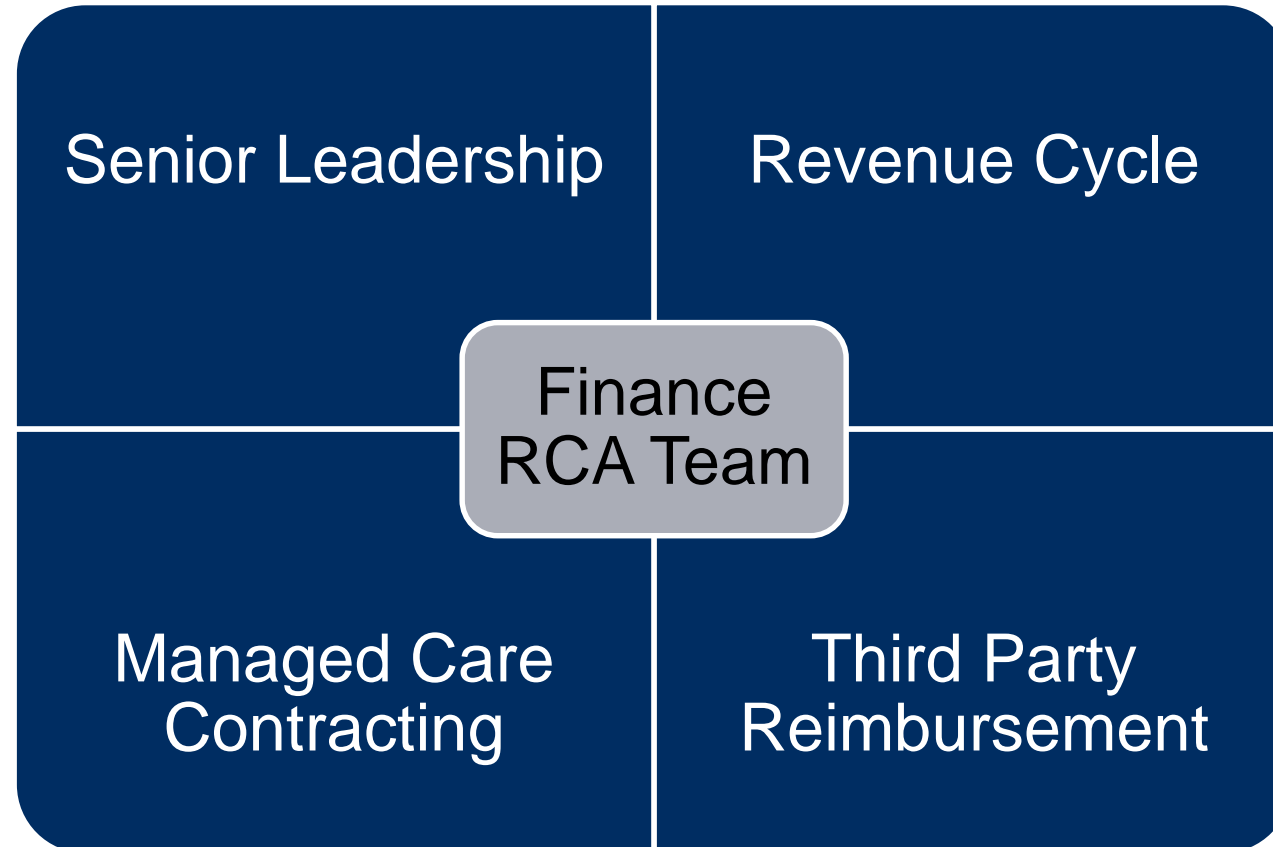
Recoveries and Takebacks By Payer Plan

Range Detail - May 2019



HHC LEAN PRINCIPLE: KEEP IT SIMPLE

Stakeholders



HHC's CUSTOM SOLUTION

Fully Automated,
Quicker Answers

Consolidated Trending
availability by System,
Region, Hospital, Range,
FC, Payor, Account detail



Removed Manual
processing, Data Integrity

Functional Process,
The Big Picture



Questions





THANK YOU

Hartford
HealthCare
Connect to healthier.™

Change in Prior Analysis

Meghan DeCuir
Ochsner Health System



Meghan DeCuir

is a director within the Reimbursement department at Ochsner Health System and is based in New Orleans. She has over ten years of experience in public accounting and healthcare. Meghan is an integral part of the Ochsner team responsible for hospital and physician patient net revenue including the implementation and management of the Crowe RCA application. Meghan is also a certified public accountant.



Ochsner Health System

Solutions Using Tableau Visualizations

Crowe Healthcare Summit 2019





Who we are and what we do

- Louisiana's largest **non-profit, academic**, healthcare system.
- 40 owned, managed, or affiliated **hospitals** and more than 100 **health care centers** and **urgent care** centers.
- More than **25,000 employees** and **4,500 employed** and affiliated physicians in over **90 medical specialties**.

Who we are and what we do

- Hybrid Structure of Hospital Net Revenue and AR Valuation
 - *Centralized* – Shared Policies and Procedures; Consistent MRA Settings for Hospital AR Valuation; and shared analytics
 - *Decentralized* – Finance teams at each facility
- Physicians Net Revenue and AR Valuation



Where we came from

Excel models using data downloaded from multiple sources

Resource intensive analytics

Different analytics for different facilities

Where we are now

Automated analytics using Crowe RCA and EPIC tables

Interactive, drillable dashboards

Published dashboards available for all RCA users

Change in Prior (CIP) Dashboard – May

Notes:

Change In Prior (CIP): Represents the value change only on accounts in month-end A/R from one period to the next. CIP does not include accounts that both came in and fell out of A/R mid-month.

Transaction Based Yes/No: Yes represents the CIP on accounts where a transaction was posted throughout the month. No represents the CIP on accounts where no transaction was posted, generally meaning a reserve change has taken place.

Contractual Change In Prior (CIP) Dashboard

Subfacility

(Multiple values)

Prim Sgpt Alt

(Multiple values)

6 Month Trend on Change In Prior Estimates

Transaction Based Yes/No

| | 12 2017 | | 01 2018 | | 02 2018 | | 03 2018 | | 04 2018 | | 05 2018 | |
|-------------|----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|----------|-----------|
| | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes |
| FC 1 | 12,491 | (240,310) | (112,618) | (240,229) | 168,890 | 29,544 | 224,687 | (176,131) | (410,940) | (413,444) | 197,712 | (445,246) |
| FC 2 | 156,866 | (31,081) | 5,735 | 2,503 | (59,851) | (137,823) | 47,871 | (58,791) | 11,068 | (157,135) | 19,657 | (259,593) |
| FC 3 | 121,864 | 226,571 | (176,651) | 56,675 | (31,555) | 215,573 | 1,040 | 71,298 | 17,006 | 37,496 | (57,118) | (64,635) |
| FC 4 | (84,706) | (8,875) | (34,939) | (140,913) | (97,308) | 99,376 | (3,280) | 48,661 | 27,443 | 10,208 | (2,997) | (48,298) |
| FC 5 | (1,681) | (251) | (4,620) | (4,239) | (9,880) | (744) | (3,737) | (931) | 4,452 | (3,906) | (350) | (4,745) |
| FC 6 | 50,249 | 75,568 | (5,781) | 70,890 | 136 | 21,317 | (80,442) | 314 | (15,338) | 54,549 | 10,817 | (47,311) |
| FC 8* | 3,705 | (11,297) | (36,528) | (19,330) | 276 | (35,182) | (22,962) | (25,301) | (3,661) | (4,309) | (6,137) | 262,029 |
| FC 9 | (22,918) | 40,946 | (53,299) | (40,645) | 934 | 321,201 | (51,983) | (7,390) | 12,040 | (99,830) | 18,495 | 17,289 |
| FC 10 | 928 | 856 | 92,758 | 21,274 | (102,568) | 60,542 | 66,779 | 54,632 | (899) | 12,749 | (46,295) | (151,895) |
| FC 11 | 31,316 | 49,040 | 7,332 | (120,915) | 47,849 | 20,912 | (4,253) | 71,415 | 58,352 | 19,182 | 24,355 | 79,047 |
| Grand Total | 268,115 | 101,167 | (318,612) | (414,931) | (83,079) | 594,717 | 173,721 | (22,224) | (300,478) | (544,438) | 158,137 | (663,358) |

Month Over Month Variance on CIP Est

Transaction Based Yes/No

| | 05 2018 | | 05 2018 Total |
|-------------|----------|-----------|------------------|
| | No | Yes | |
| FC 1 | 608,652 | (31,802) | 576,849 |
| FC 2 | 8,588 | (102,458) | (93,869) |
| FC 3 | (74,124) | (102,131) | (176,255) |
| FC 4 | (30,440) | (58,506) | (88,947) |
| FC 5 | (4,801) | (839) | (5,641) |
| FC 6 | 26,155 | (101,860) | (75,705) |
| FC 8* | (2,476) | 266,338 | 263,862 |
| FC 9 | 6,455 | 117,119 | 123,574 |
| FC 10 | (45,396) | (164,645) | (210,040) |
| FC 11 | (33,998) | 59,864 | 25,867 |
| Grand Total | 458,615 | (118,920) | 339,695 |

Current Month SIPG Analysis

Transaction Based Yes/No

| | No | Yes |
|-------------|----------|-----------|
| SIPG 1 | 29,347 | (17,211) |
| SIPG 2 | 5,714 | 10,331 |
| SIPG 3 | (77,429) | (281,187) |
| SIPG 5 | 139,568 | 5,918 |
| SIPG 6 | 25,079 | (61,158) |
| SIPG 7 | 18 | 81 |
| SIPG 8 | 35,402 | (16,226) |
| SIPG 10 | (26,073) | (70,618) |
| SIPG 11 | 10,701 | (47,711) |
| SIPG 12 | 94 | (10,756) |
| SIPG 14 | 0 | |
| SIPG 15 | 1 | |
| SIPG 16 | 59,875 | 4,257 |
| SIPG 17 | 27 | 5,002 |
| SIPG 18 | 12,505 | 5,629 |
| SIPG 19 | (6,137) | 262,029 |
| SIPG 20 | (18,934) | (109,361) |
| SIPG 21 | 19,657 | (259,593) |
| SIPG 22 | (57,099) | (64,635) |
| SIPG 26 | 23,068 | 22,319 |
| SIPG 27 | (350) | (4,745) |
| SIPG 31 | 5,045 | 37,125 |
| SIPG 33 | (45,847) | (155,924) |
| SIPG 34 | (448) | 4,028 |
| SIPG 35 | 24,355 | 79,047 |
| Grand Total | 158,137 | (663,358) |

Current Month Aging Analysis

Transaction Based Yes/No

| | No | Yes |
|-------------|-----------|-----------|
| Closed | (207) | (488,896) |
| In-House | (81,287) | 32,751 |
| DNFB | 45,435 | 97,567 |
| 0-30 | (200,332) | (36,560) |
| 31-60 | 130,149 | (240,268) |
| 61-90 | 134,145 | (83,083) |
| 91-120 | 60,694 | 51,120 |
| 121-150 | 15,253 | 11,229 |
| 151-180 | (18,714) | 16,672 |
| 181-270 | 68,625 | 13,694 |
| 271-360 | 3,311 | 2,498 |
| 361+ | 1,065 | (40,082) |
| Grand Total | 158,137 | (663,358) |

6 Month Trend on Change in Prior Estimates

Contractual Change In Prior (CIP) Dashboard

6 Month Trend on Change In Prior Estimates

Transaction Based Yes/No

| | 12 2017 | | 01 2018 | | 02 2018 | | 03 2018 | | 04 2018 | | 05 2018 | |
|-------------|----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|----------|-----------|
| | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes |
| FC 1 | 12,491 | (240,310) | (112,618) | (240,229) | 168,890 | 29,544 | 224,687 | (176,131) | (410,940) | (413,444) | 197,712 | (445,246) |
| FC 2 | 156,866 | (31,081) | 5,735 | 2,503 | (59,851) | (137,823) | 47,871 | (58,791) | 11,068 | (157,135) | 19,657 | (259,593) |
| FC 3 | 121,864 | 226,571 | (176,651) | 56,675 | (31,555) | 215,573 | 1,040 | 71,298 | 17,006 | 37,496 | (57,118) | (64,635) |
| FC 4 | (84,706) | (8,875) | (34,939) | (140,913) | (97,308) | 99,376 | (3,280) | 48,661 | 27,443 | 10,208 | (2,997) | (48,298) |
| FC 5 | (1,681) | (251) | (4,620) | (4,239) | (9,880) | (744) | (3,737) | (931) | 4,452 | (3,906) | (350) | (4,745) |
| FC 6 | 50,249 | 75,568 | (5,781) | 70,890 | 136 | 21,317 | (80,442) | 314 | (15,338) | 54,549 | 10,817 | (47,311) |
| FC 8* | 3,705 | (11,297) | (36,528) | (19,330) | 276 | (35,182) | (22,962) | (25,301) | (3,661) | (4,309) | (6,137) | 262,029 |
| FC 9 | (22,918) | 40,946 | (53,299) | (40,645) | 934 | 321,201 | (51,983) | (7,390) | 12,040 | (99,830) | 18,495 | 17,289 |
| FC 10 | 928 | 856 | 92,758 | 21,274 | (102,568) | 60,542 | 66,779 | 54,632 | (899) | 12,749 | (46,295) | (151,895) |
| FC 11 | 31,316 | 49,040 | 7,332 | (120,915) | 47,849 | 20,912 | (4,253) | 71,415 | 58,352 | 19,182 | 24,355 | 79,047 |
| Grand Total | 268,115 | 101,167 | (318,612) | (414,931) | (83,079) | 594,717 | 173,721 | (22,224) | (300,478) | (544,438) | 158,137 | (663,358) |

March, April, and May Change in Prior Estimates

| 03 2018 | | 04 2018 | | 05 2018 | |
|----------|-----------|-----------|-----------|----------|-----------|
| No | Yes | No | Yes | No | Yes |
| 224,687 | (176,131) | (410,940) | (413,444) | 197,712 | (445,246) |
| 47,871 | (58,791) | 11,068 | (157,135) | 19,657 | (259,593) |
| 1,040 | 71,298 | 17,006 | 37,496 | (57,118) | (64,635) |
| (3,280) | 48,661 | 27,443 | 10,208 | (2,997) | (48,298) |
| (3,737) | (931) | 4,452 | (3,906) | (350) | (4,745) |
| (80,442) | 314 | (15,338) | 54,549 | 10,817 | (47,311) |
| (22,962) | (25,301) | (3,661) | (4,309) | (6,137) | 262,029 |
| (51,983) | (7,390) | 12,040 | (99,830) | 18,495 | 17,289 |
| 66,779 | 54,632 | (899) | 12,749 | (46,295) | (151,895) |
| (4,253) | 71,415 | 58,352 | 19,182 | 24,355 | 79,047 |
| 173,721 | (22,224) | (300,478) | (544,438) | 158,137 | (663,358) |

Drilling into Account Detail



Top N
10

Instructions:
In the 'Top N' dropdown box select the # of top/bottom CIP accounts you would like to see. Select an account # below to view account details to the right. Hovering over values in the Acct Reserve Comparison will provide more info in a tooltip.

Change In Prior Detail

Top 10 for Contractual VA CIP
5/31/2018 12:00:00 AM

| Account Number | Prim Stpg Alt | Thm Transaction Based | CIP Contractual | Total CIP | Account Balance | Estimated Total Res | Net A/R Excl Recoveries |
|-----------------------|---------------|-----------------------|-----------------|-----------|-----------------|---------------------|-------------------------|
| 12345 | SIPG 19 | Yes | 14,304 | 16,346 | 500 | 192 | 308 |
| 67891 | SIPG 19 | Yes | 11,726 | 12,297 | 0 | 0 | 0 |
| 23456 | SIPG 19 | Yes | 11,563 | 11,721 | 0 | 0 | 0 |
| 78910 | SIPG 19 | Yes | 8,495 | 9,449 | 0 | 0 | 0 |
| 12345 | SIPG 19 | Yes | 8,064 | 8,739 | 1,634 | 626 | 1,007 |
| 67891 | SIPG 19 | Yes | 7,566 | 8,058 | 0 | 0 | 0 |
| 23456 | SIPG 19 | Yes | 7,111 | 7,891 | 0 | 0 | 0 |
| 78910 | SIPG 19 | Yes | 6,887 | 6,197 | 3,472 | 1,332 | 2,141 |
| 12345 | SIPG 19 | Yes | 6,520 | 6,748 | 750 | 288 | 462 |
| 67891 | SIPG 19 | Yes | 6,431 | 6,983 | 0 | 0 | 0 |

Bottom 10 for Contractual VA CIP
5/31/2018 12:00:00 AM

| Account Number | Prim Stpg Alt | Thm Transaction Based | CIP Contractual | Total CIP | Account Balance | Estimated Total Res | Net A/R Excl Recoveries |
|-----------------------|---------------|-----------------------|-----------------|-----------|-----------------|---------------------|-------------------------|
| 12345 | SIPG 19 | Yes | (1,862) | (1,670) | 0 | 0 | 0 |
| 67891 | SIPG 19 | Yes | (831) | (814) | 0 | 0 | 0 |
| 23456 | SIPG 19 | Yes | (610) | (610) | 0 | 0 | 0 |
| 78910 | SIPG 19 | Yes | (499) | (554) | 121 | 63 | 57 |
| 12345 | SIPG 19 | Yes | (386) | (329) | 0 | 0 | 0 |
| 67891 | SIPG 19 | Yes | (361) | (356) | 0 | 0 | 0 |
| 23456 | SIPG 19 | Yes | (346) | (346) | 0 | 0 | 0 |
| 78910 | SIPG 19 | Yes | (318) | (845) | 700 | 528 | 172 |
| 12345 | SIPG 19 | Yes | (273) | (216) | 100 | 31 | 69 |
| 67891 | SIPG 19 | Yes | (206) | (161) | 9,273 | 7,245 | 2,028 |

Acct Reserve Comparison

| | 12345 | |
|-------------------------|-----------------------|----------|
| | April 2018 | May 2018 |
| Mra Total Charges | 31,329 | 31,329 |
| C/A Trans | 0 | (6,081) |
| BD Trans | 0 | 0 |
| CH Trans | 0 | 0 |
| AD Trans | 0 | 0 |
| Total Payments | (250) | (24,748) |
| Account Balance | 31,079 | 500 |
| Estimated C/A | 20,385 | 0 |
| Estimated BD | 2,228 | 172 |
| Estimated CH | 6 | 20 |
| Estimated AD | 0 | 0 |
| Estimated Total Res | 22,619 | 192 |
| Net A/R Excl Recoveries | 8,460 | 308 |

Drilling into the Account Reserves

Acct Reserve Comparison

| | <u>12345</u> | |
|-------------------------|--------------|----------|
| | April 2018 | May 2018 |
| Mra Total Charges | 31,329 | 31,329 |
| C/A Trans | 0 | (6,081) |
| BD Trans | 0 | 0 |
| CH Trans | 0 | 0 |
| AD Trans | 0 | 0 |
| Total Payments | (250) | (24,748) |
| Account Balance | 31,079 | 500 |
| Estimated C/A | 20,385 | 0 |
| Estimated BD | 2,228 | 172 |
| Estimated CH | 6 | 20 |
| Estimated AD | 0 | 0 |
| Estimated Total Res | 22,619 | 192 |
| Net A/R Excl Recoveries | 8,460 | 308 |

Change in Prior (CIP) Dashboard - August

Showing Recoupment

Notes:

Change In Prior (CIP): Represents the value change only on accounts in month-end A/R from one period to the next. CIP does not include accounts that both came in and fell out of A/R mid-month.

Transaction Based Yes/No: Yes represents the CIP on accounts where a transaction was posted throughout the month. No represents the CIP on accounts where no transaction was posted, generally meaning a reserve change has taken place.

Bad Debt, Charity & Admin Change In Prior (CIP) Dashboard

Subfacility: In Out Type: Primary Sigg:

6 Month Trend on Change In Prior Estimates

Transaction Based Yes/No

| | 03 2018 | | 04 2018 | | 05 2018 | | 06 2018 | | 07 2018 | | 08 2018 | |
|-------------|----------|----------|----------|---------|----------|----------|----------|---------|-----------|---------|-----------|---------|
| | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes |
| FC 1 | (59,047) | 162,145 | (76,931) | 157,410 | (86,200) | 132,329 | (12,678) | 204,011 | (239,183) | (2,853) | (159,772) | 79,452 |
| FC 2 | (11,084) | (31,733) | (14,875) | 35,157 | (24,610) | (4,996) | (18,610) | 8,200 | (19,634) | (4,622) | (59,072) | 35,318 |
| FC 3 | 36,211 | 263,703 | 22,160 | 187,351 | 43,838 | 165,515 | 44,769 | 165,970 | 11,319 | 170,933 | 25,898 | 161,459 |
| FC 4 | 6,394 | 4,866 | 15,079 | 40,997 | 8,822 | 10,353 | (4,284) | 14,140 | (2,727) | (1,746) | (22,222) | 35,132 |
| FC 5 | (1,663) | 9,311 | (1,867) | 497 | (430) | 293 | 45 | 1,918 | 675 | 145 | 459 | |
| FC 6 | (5,383) | 49,706 | (140) | 66,803 | (7,211) | 54,217 | (8,910) | 59,408 | (26,320) | 55,998 | (20,186) | 73,595 |
| FC 8* | 462 | 1,716 | (5,224) | (3,333) | 4,170 | 2,020 | (4,126) | (1,267) | (4,019) | 4,259 | (5,524) | 9,836 |
| FC 9 | (8,980) | 28,209 | 6,865 | 47,748 | (11,947) | 8,648 | (362) | 15,518 | (3,825) | 14,814 | (18,462) | 13,593 |
| FC 10 | (419) | 292 | 167 | (2,234) | (1,492) | 2,903 | (2,289) | 3,079 | (1,838) | 3,748 | (1,931) | 3,245 |
| FC 11 | 6,753 | 7,518 | 6,026 | 17,961 | (2,412) | (56,623) | (10,757) | 10,943 | (18,413) | 10,307 | (14,135) | 8,449 |
| Grand Total | (36,756) | 495,732 | (48,741) | 548,357 | (77,471) | 314,658 | (17,202) | 481,920 | (303,965) | 250,982 | (274,945) | 420,080 |

Month Over Month Variance on CIP

Est

Transaction Based Yes/No

| | 08 2018 | | 08 2018 Total |
|-------------|----------|---------|------------------|
| | No | Yes | |
| FC 1 | 79,411 | 82,304 | 502 |
| FC 2 | (39,438) | 39,940 | 5,105 |
| FC 3 | 14,579 | (9,474) | 3,969 |
| FC 4 | (11,971) | 15,940 | (361) |
| FC 5 | (216) | (145) | 23,732 |
| FC 6 | 6,134 | 17,598 | 0 |
| FC 8* | (1,505) | 5,577 | 4,072 |
| FC 9 | (14,637) | (1,220) | (15,857) |
| FC 10 | (93) | (502) | (595) |
| FC 11 | 4,278 | (1,857) | 2,421 |
| Grand Total | 36,543 | 148,159 | 184,702 |

Current Month SIPG Analysis

Transaction Based Yes/No

| | No | Yes |
|-------------|-----------|----------|
| SIPG 1 | (14,988) | (8,463) |
| SIPG 2 | (1,379) | 987 |
| SIPG 3 | (64,485) | 80,108 |
| SIPG 5 | (14,267) | (29,867) |
| SIPG 6 | (12,478) | 33,587 |
| SIPG 7 | 62 | 966 |
| SIPG 8 | (11,915) | (2,891) |
| SIPG 10 | (9,387) | 15,569 |
| SIPG 11 | (20,269) | 73,419 |
| SIPG 12 | (4,664) | 1,401 |
| SIPG 15 | (2) | |
| SIPG 16 | (4,731) | (17,751) |
| SIPG 17 | 1,503 | |
| SIPG 18 | 0 | 0 |
| SIPG 19 | (5,524) | 9,836 |
| SIPG 20 | (32,600) | 22,960 |
| SIPG 21 | (59,072) | 35,318 |
| SIPG 22 | 26,145 | 161,635 |
| SIPG 24 | (12,197) | (9,879) |
| SIPG 26 | (638) | 29,443 |
| SIPG 27 | 459 | |
| SIPG 31 | (18,452) | 11,979 |
| SIPG 33 | (1) | 1,506 |
| SIPG 34 | (1,929) | 1,740 |
| SIPG 35 | (14,135) | 8,449 |
| Grand Total | (274,945) | 420,080 |

Current Month Aging Analysis

Transaction Based Yes/No

| | No | Yes |
|-------------|-----------|----------|
| Closed | (1,535) | 490,523 |
| In-House | (5,728) | 1,831 |
| DNFB | 12,672 | 5,311 |
| 0-30 | 8,774 | (852) |
| 31-60 | (22,060) | (72,812) |
| 61-90 | (113,250) | (1,914) |
| 91-120 | (43,564) | (4,489) |
| 121-150 | (27,640) | (145) |
| 151-180 | (30,624) | 1,009 |
| 181-270 | (18,128) | 5,645 |
| 271-360 | (3,890) | 3,777 |
| 361+ | (29,972) | (7,805) |
| Grand Total | (274,945) | 420,080 |

6 Month Trend on Change in Prior Estimates

Showing Payor Recoupment

Contractual Change In Prior (CIP) Dashboard

Subfacility

(Multiple values)

Prim Sipp Alt

(Multiple values)

6 Month Trend on Change In Prior Estimates

Transaction Based Yes/No

| | 03 2018 | | 04 2018 | | 05 2018 | | 06 2018 | | 07 2018 | | 08 2018 | |
|-------------|----------|-----------|-----------|-----------|----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|
| | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes | No | Yes |
| FC 1 | 224,687 | (176,131) | (410,940) | (413,444) | 197,712 | (445,246) | (21,004) | (266,535) | (185,768) | (304,997) | (200,922) | (537,826) |
| FC 2 | 47,871 | (58,791) | 11,068 | (157,135) | 19,657 | (259,593) | 17,347 | (413,173) | 17,354 | (318,030) | 9,625 | (269,105) |
| FC 3 | 1,040 | 71,298 | 17,006 | 37,496 | (57,118) | (64,635) | 77,305 | (71,845) | 15,416 | 44,048 | (78,065) | 202,747 |
| FC 4 | (3,280) | 48,661 | 27,443 | 10,208 | (2,997) | (48,298) | 6,276 | (64,660) | 2,133 | (59,365) | (13,800) | 53,956 |
| FC 5 | (3,737) | (931) | 4,452 | (3,906) | (350) | (4,745) | 412 | | (8,936) | (491) | (2,469) | (87) |
| FC 6 | (80,442) | 314 | (15,338) | 54,549 | 10,817 | (47,311) | (64,887) | (62,255) | (43,821) | 53,414 | (73,270) | 45,047 |
| FC 8* | (22,962) | (25,301) | (3,661) | (4,309) | (6,137) | 262,029 | 4,527 | 459,062 | (30,628) | 312,592 | (5,311) | (313,652) |
| FC 9 | (51,983) | (7,390) | 12,040 | (99,830) | 18,495 | 17,289 | (16,223) | (14,758) | 15,573 | 60,063 | (21,816) | 8,996 |
| FC 10 | 66,779 | 54,632 | (899) | 12,749 | (46,295) | (151,895) | 18,106 | 14,055 | (10,934) | 47,790 | (35,787) | 62,334 |
| FC 11 | (4,253) | 71,415 | 58,352 | 19,182 | 24,355 | 79,047 | 24,180 | (19,638) | 40,014 | 145,345 | 132,373 | 65,757 |
| Grand Total | 173,721 | (22,224) | (300,478) | (544,438) | 158,137 | (663,358) | 46,040 | (439,748) | (189,596) | (19,631) | (289,443) | (681,832) |

Month Over Month Variance on CIP Est

Transaction Based Yes/No

| | 08 2018 | | 08 2018 |
|-------------|----------|-----------|-----------|
| | No | Yes | Total |
| FC 1 | (15,154) | (232,829) | (247,983) |
| FC 2 | (7,729) | 48,925 | 41,196 |
| FC 3 | (93,481) | 158,699 | 65,218 |
| FC 4 | (15,933) | 113,322 | 97,388 |
| FC 5 | 6,466 | 405 | 6,871 |
| FC 6 | (29,449) | (8,368) | (37,817) |
| FC 8* | 25,317 | (626,244) | (600,928) |
| FC 9 | (37,389) | (51,067) | (88,455) |
| FC 10 | (24,853) | 14,544 | (10,310) |
| FC 11 | 92,359 | (79,588) | 12,772 |
| Grand Total | (99,847) | (662,201) | (762,048) |

OHS Reimbursement Patient Net Revenue Team

- Patti Massett, CPA – AVP of Reimbursement
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- Meghan DeCuir, CPA - Director of Reimbursement
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- Alex Dressler – Sr. Financial Analysts and Tableau Lead
adressler@ochsner.org



QUESTIONS



Revenue Cycle Performance Analytics

Kristen Hancock
CHRISTUS Health

Kristen Hancock

is the director of Reporting and Analytics for CHRISTUS Health, a Catholic, not-for-profit healthcare an international Catholic, faith-based, not-for-profit health system comprising almost 350 services and facilities, including more than 60 hospitals. Kristen has 10 years of experience in the healthcare industry including the areas of pharmaceuticals, physician practice and revenue cycle. She is involved in operational budgeting, data analytics, revenue cycle and financial reporting.





Smart decisions. Lasting value.™

CHRISTUS and Crowe Performance Analytics

Crowe Healthcare Summit 2019

CHRISTUS Background and Crowe Relationship

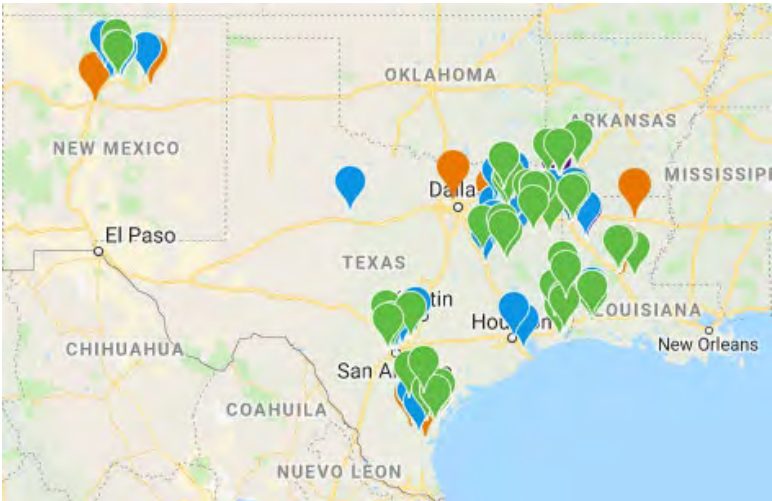


“CHRISTUS Health is a Catholic, not-for-profit system made up of more than 600 centers, including long-term care facilities, community hospitals, walk-in clinics and health ministries. We are a community 45,000 strong, with over 15,000 physicians providing individualized care.”

CHRISTUS currently has 27 acute facilities, 5 critical access facilities, and 1 rehab facility live on RCA, scatter throughout Texas, New Mexico, and Louisiana. Some of these facilities are legacy CHRISTUS while others are more recent acquisitions.

Problem

After all of this growth, CHRISTUS corporate was in need reporting that would allow for non-manual tracking metrics across different facilities and patient account systems by way of an apples-to-apples comparison. Additionally, their Reporting & Analytics division needed access to KPI data to perform their own manipulations and tracking.

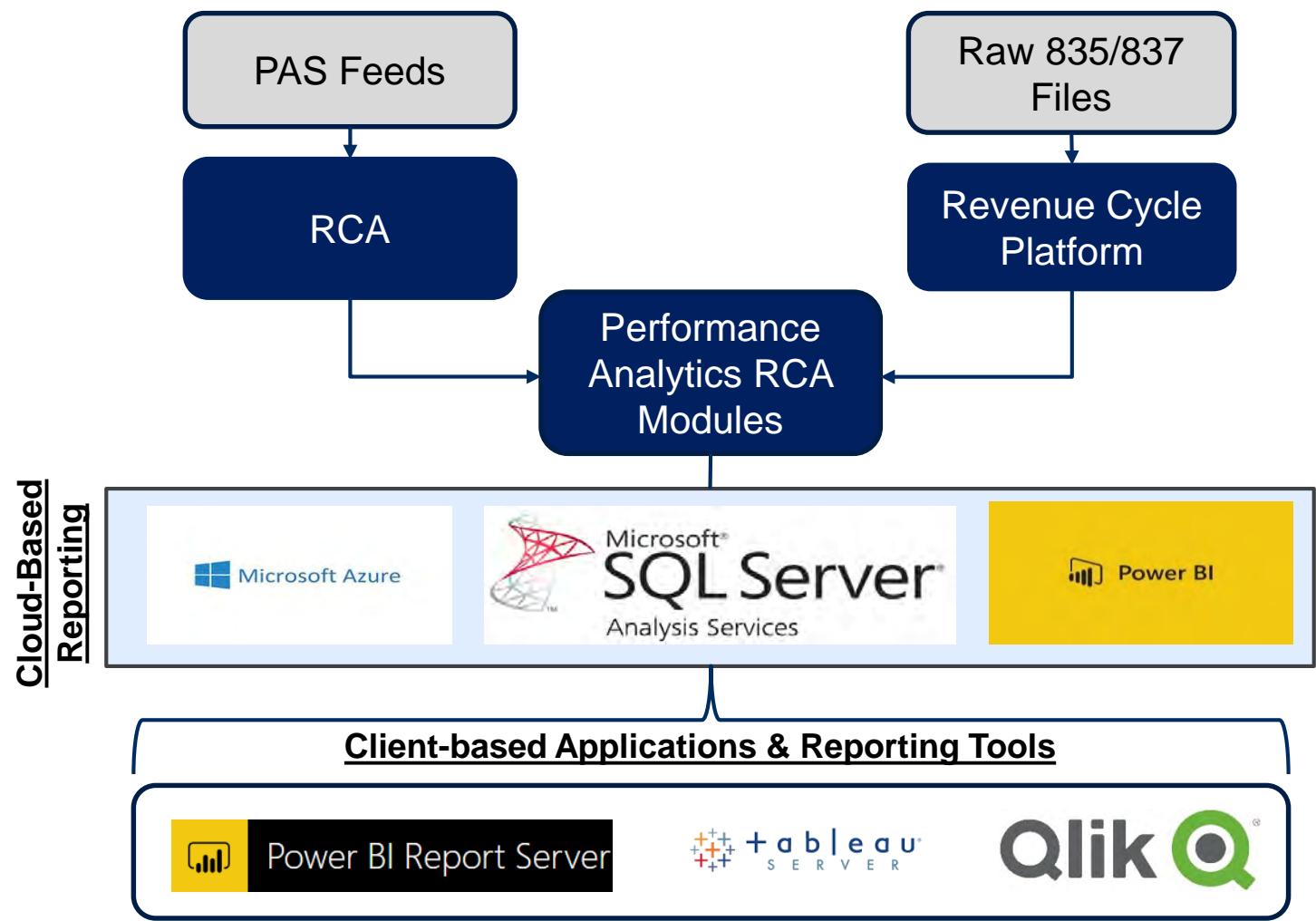


Solution

➔

Internal Reporting
+
Vendor Reports
+
Crowe Performance Analytics Data

Crowe Performance Analytics Reporting/Product



CHRISTUS PowerBi Dashboard Sample 1

Peer Group Filters

Bed Group
300 +

Medicaid Payor Mix
20% - 100%

Net Revenue Per Day
All

Self Pay Payor Mix
All

Medicare Payor Mix
All

Medicare Net Revenue Per IP Day
All

Commercial Payor Mix
All

Peer Facility Count
62

Region
All

Facility
Facility 12

Crowe Payor
All

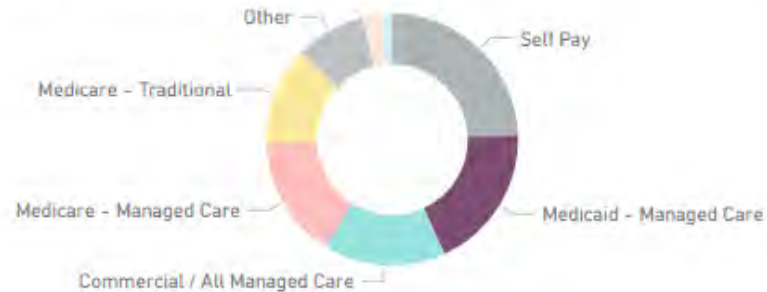
KPI Category
Accounts Receivable

| KPI Name | KPI Value | Peer KPI Value |
|---------------------------------------|-----------|----------------|
| Net AR Days | 55.49 | 52.17 |
| True AR Days | 55.49 | 56.80 |
| Six-Month Lagged Cash to Net Revenue | 0.98 | 0.98 |
| Cash/60 Day Lagged Net Revenue | 1.13 | 1.11 |
| Cash/60 Day Lagged 3-Month Average... | 1.12 | 1.12 |
| True AR > 90 Days | 0.37 | 0.37 |
| Credit Days | 0.70 | 0.70 |
| Credit Liability % of Credit AR | 0.29 | 0.29 |
| Late Charges (% of GPB) | 0.03 | 0.03 |

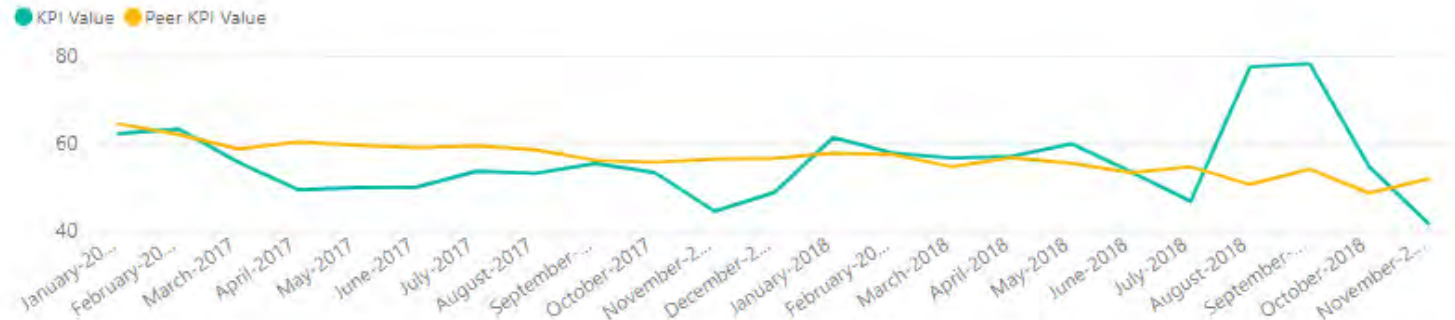
Overall



Payor Distribution



By Crowe Payor



CHRISTUS PowerBi Dashboard Sample 2

| KPI Name | Aetna | Blue Cross | Cigna | Coventry | Healthfirst | Healthsmart | Humana | Other Commercial | UMR | United Healthcare |
|--|---------|------------|---------|----------|-------------|-------------|---------|------------------|---------|-------------------|
| Bad Debt % of GPCR | 0.0000 | 0.0000 | 0.0042 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0017 |
| Cash 90 Day Lagged Net Revenue | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Charity % of GPCR | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Credit Days | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Credit Liability % of Credit All | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Final Denial Write-Offs | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Initial Denial Rate | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Initial Denial Rate - Auto Prescript | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Initial Denial Rate - Coverage/Eligibility | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Initial Denial Rate - Medical Necessity | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Initial Denial Rate - Request for Information | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Initial Denial Rate - Third Party Billing | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Patient Responsibility - Managed Care/Commercial | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| POS Cash Collections % of Patient Payments | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Takeback % of Denial AR | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Time to Insurance Payment - Denial | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| True AR > 90 Days | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| True AR Days | 47,6839 | 32,5574 | 48,5530 | 49,0739 | 86,2081 | 78,4445 | 44,6473 | 54,6461 | 49,3662 | 39,5624 |

PeriodID

(Multiple Selections)

Crowe Payor Name

Commercial / All Managed Care

FacilityName

All

PayorGroup

All

| Insurance Name | KPI Name | KPI Numerator | KPI Denominator | MaxKPIValue |
|----------------------------|--------------|---------------|-----------------|-------------|
| BLUE CROSS PPO TX | True AR Days | \$588,760,080 | \$17,235,716 | 34.1593 |
| UHC CHOICE SELECT PLUS | True AR Days | \$538,447,708 | \$13,570,872 | 39.6767 |
| BLUE CROSS PPO LA | True AR Days | \$327,069,912 | \$10,454,546 | 31.2849 |
| BCBS BLUE CHOICE PPO | True AR Days | \$249,839,074 | \$7,911,838 | 31.5779 |
| AETNA PPO POS | True AR Days | \$345,927,017 | \$6,877,826 | 50.2960 |
| CIGNA PPO | True AR Days | \$235,430,225 | \$4,696,491 | 50.1290 |
| HUMANA PPO | True AR Days | \$140,203,065 | \$3,310,202 | 42.3548 |
| CHRISTUS ASSOCIATE HEAL... | True AR Days | \$133,290,186 | \$2,867,827 | 46.4778 |
| CHRISTUS HEALTH PLAN HIX | True AR Days | \$111,650,639 | \$2,272,218 | 49.1373 |



KPI Trend over Selected Date Range



CHRISTUS PowerBi Dashboard Sample 3

Peer Group Filters

Facility Selection

All Facilities

KPI Name

True AR Days

Crowe Payor Selection

All Payors

Payor Distribution



Bed Group

All

Medicare Payor Mix

All

Medicaid Payor Mix

All

Medicare Net Revenue Per IP Day

All

Net Revenue Per Day

All

Commercial Payor Mix

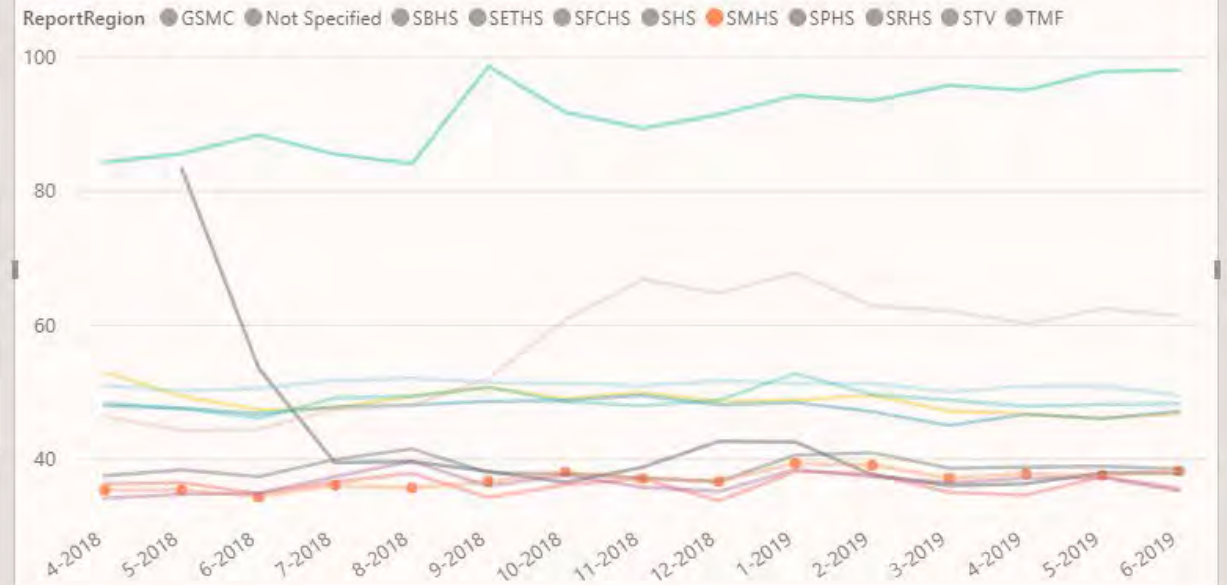
All

Self Pay Payor Mix

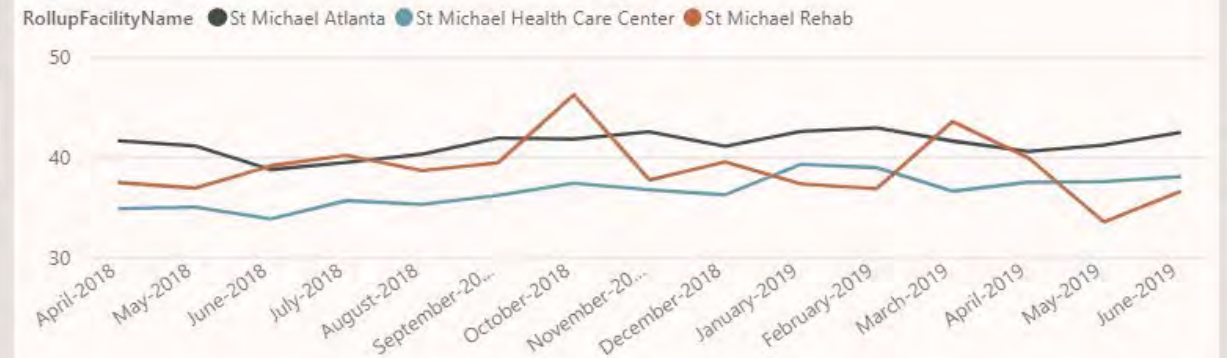
All

Peer Facility Count
1221

Overall



By Crowe Payor



Monthly Deliverables

Facility Level

| | Revenue Cycle KPI Dashboard | | | | | | |
|--|-----------------------------|-------------|------------|--------------|--------------|-------------|-------|
| | Facility Summary | | | | | | |
| | Jun-19 | | | FYTD | | | |
| Key Financial Indicators | Actual | Goal | Var | Actual | Goal | Var | Trend |
| Cash to Goal % | 101% | 100% | 1% | 102% | 100% | 2% | |
| Net AR Days * | 42.67 | 45 | (2.33) | 43.87 | 45 | (1.13) | |
| Denial Write Offs - \$'s | \$306,200 | \$209,909 | \$96,291 | \$2,816,462 | \$2,499,866 | \$316,596 | |
| Denial Write Offs - % of Net | 1.4% | 2.0% | (0.6%) | 1.1% | 1.9% | (0.8%) | |
| Change In Prior | \$1,175,802 | \$720,263 | \$455,539 | \$9,102,665 | \$8,733,412 | \$369,253 | |
| Billed Insurance > 90 Days | 12% | 17% | (5.0%) | 14% | 19% | (5.0%) | |
| Admitting Indicators | | | | | | | |
| POS Collections - \$'s | \$220,183 | \$269,928 | (\$49,745) | \$2,988,674 | \$2,987,792 | \$882 | |
| POS Collections - % of Net | 0.9% | 2.0% | (1.1%) | 1.0% | 2.1% | (1.1%) | |
| POS Collections - % of Total Self Pay (TLRA Early Out) | 26.7% | 40% | (13.3%) | 31.4% | 39.5% | (8.1%) | |
| I Plan Accuracy % | 1.4% | 1.5% | (0.1%) | 1.8% | 1.9% | (0.1%) | |
| Accu Reg % | 99.1% | 99.0% | 0.1% | 99.3% | 98.4% | 0.8% | |
| HIM/Coding | | | | | | | |
| Total DNFB Days | 4.99 | 5.5 | (0.51) | 5.01 | 5.2 | (0.19) | |
| UPH Days | 1.21 | 2.5 | (1.29) | 1.43 | 2.4 | (0.97) | |
| UPH Dollars | \$5,008,842 | | | | | | |
| ABS Days | 0.88 | 1.5 | (0.62) | 0.97 | 1.6 | (0.63) | |
| ABS Dollars | \$4,015,622 | | | | | | |
| ABS - Pending MD Dollars | \$1,957,223 | | | | | | |
| Revenue Integrity | | | | | | | |
| Late Charge % (pending) | 2.9% | 2.5% | -0.4% | 3.1% | 2.4% | -0.7% | |
| PFS/Accounts Receivable | | | | | | | |
| Initial \$ Denial Rate * | 6.2% | 8.2% | (2.0%) | 6.4% | 8.1% | (1.7%) | |
| Initial Volume Denial Rate * | 18.0% | 18.5% | (0.5%) | 18.9% | 17.1% | 1.8% | |
| Clean Claim Rate (system level only) | | | | | | | |
| FBNS AR Days | 0.03 | 0.69 | (0.66) | 0.29 | 1.0 | (0.71) | |
| Credit Days * | 0.38 | 0.67 | (0.29) | 0.45 | 0.50 | (0.05) | |
| PFS Work Que - Past Due Dollars | \$973,103 | <5% | | | <5% | | |
| Ministry Work Que - Past Due Dollars | \$550,182 | <5% | | | <5% | | |
| Work Que Accuracy % | 94.8% | 96.0% | (1%) | 96.1% | 98.0% | (2%) | |
| Denials | \$400,681 | \$310,909 | \$89,772 | \$2,816,462 | \$2,499,866 | \$316,596 | |
| Med Nec | \$90,423 | | | \$1,578,330 | | | |
| Auth | \$150,899 | | | \$470,112 | | | |
| PFD | \$90,126 | | | \$169,882 | | | |
| Other | \$69,233 | | | \$598,138 | | | |
| BD Write Offs - BAI | \$1,627,457 | \$1,235,623 | \$391,834 | \$14,998,156 | \$10,778,342 | \$4,219,814 | |
| BD Write Offs - SP | \$701,466 | \$587,113 | \$114,353 | \$7,892,261 | \$7,998,443 | (\$106,182) | |
| CC Write Offs | \$7,934,977 | \$6,982,251 | \$952,726 | \$85,677,332 | \$84,556,123 | \$1,121,209 | |

Monthly Deliverables

System Level

| | Revenue Cycle KPI Dashboard | | | | | | |
|--|-----------------------------|--------------|--------------|-----------------|---------------|--------------|-------|
| | Enterprise Summary | | | | | | |
| | Jun-19 | | | FYTD | | | |
| Key Financial Indicators | Actual | Goal | Var | Actual | Goal | Var | Trend |
| Cash to Goal % | 95% | 100% | (5%) | 98% | 100% | (2%) | |
| Net AR Days * | 47.00 | 45.66 | 1.34 | 46.23 | 45.00 | 1.23 | |
| Denial Write Offs - \$'s | \$7,513,464 | \$3,000,784 | \$4,512,680 | \$55,676,272 | \$36,383,067 | \$19,293,205 | |
| Denial Write Offs - % of Net | 3.1% | 2.0% | 1.1% | 2.9% | 2.0% | 0.9% | |
| Change In Prior Billed Insurance > 90 Days | \$1,785,334 | \$330,002 | \$1,455,332 | \$8,100,416 | \$4,167,640 | \$3,932,776 | |
| | 16% | 17% | (1.0%) | 17% | 15% | (2.0%) | |
| Admitting Indicators | | | | | | | |
| POS Collections - \$'s | \$3,001,143 | \$3,100,116 | (\$98,973) | \$36,517,968 | \$34,493,184 | \$2,024,784 | |
| POS Collections - % of Net | 1.0% | 2.0% | (1.0%) | 1.4% | 2.0% | (0.6%) | |
| POS Collections - % of Total Self Pay (TLRA Early Out) | 37.7% | 40% | (2.3%) | 38.4% | 40% | (1.6%) | |
| IPlan Accuracy % | 1.8% | 1.5% | 0.3% | 1.8% | 1.5% | 0.3% | |
| Accu Reg % | 97.2% | 99.0% | (1.8%) | 98.1% | 99.0% | (0.9%) | |
| HIM/Coding | | | | | | | |
| Total DNFB Days | 5.21 | 5 | 0.21 | 5.78 | 4.9 | 0.88 | |
| UPH Days | 4.89 | 2.8 | 2.09 | 4.80 | 2.8 | 2.00 | |
| UPH Dollars | \$101,000,234 | | | | | | |
| ABS Days | 1.11 | 1.6 | (0.49) | 1.01 | 1.4 | (0.39) | |
| ABS Dollars | \$48,902,356 | | | | | | |
| ABS - Pending MD Dollars | \$32,997,845 | | | | | | |
| Revenue Integrity | | | | | | | |
| Late Charge % (pending) | 3.5% | 2.4% | -1.1% | 3.2% | 2.3% | -0.9% | |
| PFS/Accounts Receivable | | | | | | | |
| Initial \$ Denial Rate * | 7.5% | 8% | (0.5%) | 8.2% | 8% | 0.2% | |
| Initial Volume Denial Rate * | 17.0% | 19% | (2.0%) | 18.1% | 20% | (1.9%) | |
| Clean Claim Rate (system level only) | 93% | | | | | | |
| FBNS AR Days | 0.07 | 0.9 | (0.83) | 0.80 | 0.9 | (0.10) | |
| Credit Days * | 0.65 | 0.50 | 0.15 | 0.69 | 0.50 | 0.19 | |
| PFS Work Que - Past Due Dollars | \$11,986,443 | <5% | | | <5% | | |
| Ministry Work Que - Past Due Dollars | \$5,123,432 | <5% | | | <5% | | |
| Work Que Accuracy % | 95.2% | 98.0% | (3%) | 96.1% | 98.0% | (2%) | |
| Denials | \$7,513,464 | \$3,000,000 | \$4,513,464 | \$55,676,272 | \$38,762,335 | \$16,913,937 | |
| Med Nec | \$2,009,324 | | | \$23,867,990 | | | |
| Auth | \$813,412 | | | \$5,467,992 | | | |
| PFD | \$2,100,945 | | | \$3,999,012 | | | |
| Other | \$2,589,783 | | | \$22,341,278 | | | |
| BD Write Offs - BAI | \$16,988,765 | \$12,004,021 | \$4,984,744 | \$160,876,234 | \$142,356,772 | \$18,519,462 | |
| BD Write Offs - SP | \$15,667,245 | \$15,344,987 | \$322,258 | \$190,778,456 | \$190,778,446 | \$10 | |
| CC Write Offs | \$120,667,228 | \$80,223,678 | \$40,443,550 | \$1,002,445,673 | \$975,990,265 | \$26,455,408 | |

Monthly Deliverables

CFO View (Region Level)

| | Jun-19 | | | FYTD | | | |
|---------------------------------------|-------------|-------------|------------|--------------|--------------|---------------|-------|
| Key Financial Indicators | Actual | Goal | Var | Actual | Goal | Var | Trend |
| Cash to Goal % | 98% | 100% | (2.0%) | 99% | 100% | (1.0%) | |
| Net AR Days * | 39.21 | 45 | (5.79) | 41.57 | 45 | (3.43) | |
| Denial Write Offs - \$'s | \$456,332 | \$207,531 | \$248,801 | \$3,000,567 | \$2,490,373 | \$510,194 | |
| Denial Write Offs - % of Net | 1.8% | 2.0% | (0.2%) | 1.2% | 2.0% | (0.8%) | |
| Change In Prior | \$1,784,221 | \$980,341 | \$803,880 | \$10,998,732 | \$11,098,345 | (\$99,613) | |
| Billed Insurance >90 Days | 13.5% | 17% | (3.5%) | 14.2% | 17% | (2.8%) | |
| | | | | | | | |
| Admitting Indicators | | | | | | | |
| POS Collections - \$'s | \$245,621 | \$280,995 | (\$35,374) | \$3,350,667 | \$3,500,986 | (\$150,319) | |
| POS Collections - % of Net | 1.0% | 2.0% | (1.0%) | 1.2% | 2.0% | (0.8%) | |
| POS Collections - % of Total Self Pay | | | | | | | |
| (TLRA Early Out) | 23.5% | 40% | (16.5%) | 28.4% | 40% | (11.6%) | |
| I Plan Accuracy % | 1.8% | 1.5% | 0.3% | 1.7% | 1.5% | 0.2% | |
| Accu Reg % | 98.5% | 99.0% | (0.5%) | 98.6% | 99.0% | (0.4%) | |
| Patient Satisfaction | | 95.0% | | | 95.0% | | |
| | | | | | | | |
| HIM/Coding | | | | | | | |
| Total DNFB Days | 4.82 | 5.5 | (0.68) | 4.73 | 5.5 | (0.77) | |
| | | | | | | | |
| PFS/Accounts Receivable | | | | | | | |
| Initial \$ Denial Rate * | 6.4% | 8% | (1.6%) | 6.6% | 8% | (1.4%) | |
| Initial Volume Denial Rate * | 19.0% | 20% | (1.0%) | 19.3% | 20% | (0.7%) | |
| Clean Claim Rate (system level only) | | | | | | | |
| FBNS AR Days | 0.50 | 1.0 | (0.50) | 0.60 | 1.0 | (0.40) | |
| Credit Days * | 0.62 | 0.50 | 0.12 | 0.54 | 0.50 | 0.04 | |
| PFS Work Que - Past Due % | 20% | 5% | 15% | 19% | 5% | 14% | |
| Ministry Work Que - Past Due % | 10% | 5% | 5% | 9% | 5% | 4% | |
| Work Que Accuracy % | 97.2% | 97.0% | 0.2% | 97.0% | 97.0% | 0.0% | |
| Denials | \$412,356 | | | \$2,863,953 | | | |
| Med Nec | \$95,667 | | | \$1,400,213 | | | |
| Auth | \$150,234 | | | \$450,768 | | | |
| PFD | \$93,446 | | | \$200,965 | | | |
| Other | \$73,009 | | | \$812,007 | | | |
| BD Write Offs - BAI | \$1,987,564 | \$1,128,374 | \$859,190 | \$16,887,423 | \$13,548,265 | \$3,339,158 | |
| BD Write Offs - SP | \$798,623 | \$700,985 | \$97,638 | \$10,000,234 | \$9,410,414 | \$589,820 | |
| CC Write Offs | \$8,500,234 | \$8,234,123 | \$266,111 | \$93,452,334 | \$98,392,867 | (\$4,940,533) | |

Questions?

Kristen Hancock

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Revenue Cycle Business Services, CHRISTUS Health

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Thank you

