

HealthInsights.ai

Our practice provides data analytics solutions and services that are tailored for providers, payers, and accountable care organizations in the healthcare industry.

Our mission is to enable healthcare leaders to achieve their strategic goals and improve outcomes by unleashing the power of their data.

HealthInsights.ai is **an established leader** in delivering valuable solutions that drive the healthcare of today and tomorrow.

Our healthcare practice includes a team of domain experts with decades of experience with industry leading firms including **McKesson, Becton & Dickinson, Change Healthcare, and Kaufman Hall** and we have demonstrated success developing and delivering proven solutions to provider and payer organizations.

HealthInsights.ai Library

Operational

[Radiology Volumes](#)
[ED Throughput](#)
[Surgical Cases](#)
[Appointment Scheduling](#)
[Home Care Admissions](#)
[Purchasing Metrics](#)
[Mobile Dashboard](#)
[Laboratory Testing](#)
[IT Ticket Analysis](#)
[Analytics Adoption](#)
[PHI Audit Logging](#)
[Hospital Administrator](#)
[Emergency Statistics](#)

Financial

[Resource Consumption](#)
[Profitability](#)
[Market Share](#)
[Accounts Receivable](#)
[Daily Statistics](#)
[Physician Financial Impact](#)
[Payor Performance](#)
[Case Mix Monitoring](#)

Staff Management

[Clinic Productivity](#)
[Nursing Productivity](#)
[Employee Turnover](#)
[Payroll Analytics](#)

Clinical

[Inpatient Mortality](#)
[Patient Experience](#)
[Readmissions](#)
[Secondary Diagnosis Analysis](#)
[Statistical Variation](#)
[Core Measure Compliance](#)
[HCAHPS Patient Satisfaction](#)
[Culture of Safety Survey](#)
[VBC Opportunity Map](#)

Population

[Patient Origin](#)
[Population Density](#)
[Diabetes Registry](#)
[Clinical Network Adequacy](#)

The Surgical Operations Imperative: Improve Efficiency & Reduce Costs

“Operating rooms are one of the costliest areas of hospital operations, and as hospitals face a range of mounting financial pressures, most are reexamining OR operations for any avoidable costs.”¹

65%



of all hospital admissions are due to surgical interventions

40%

Of costs are related to surgical care

OR delays range from

**40%
to
90%**



2.5x

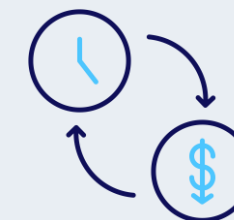


Higher cost for stays that involve a surgical procedure

\$22

per minute

Estimated cost of an OR delay



¹ <http://www.beckershospitalreview.com/or-efficiencies/6-cornerstones-of-operating-room-efficiency-best-practices-for-each.html>

https://nursing.duke.edu/sites/default/files/vanwinkle_article.pdf

Surgey Insights

Guide Your Analysis



Current Year: 10/2019 to 9/2020

Prior Year: 10/2018 to 9/2019

Case Date Range:

10/01/2018 - 09/30/2020

Show Filter Settings

› Date Range

› Facility

› Location

› Procedure Service

› Surgeon Specialty

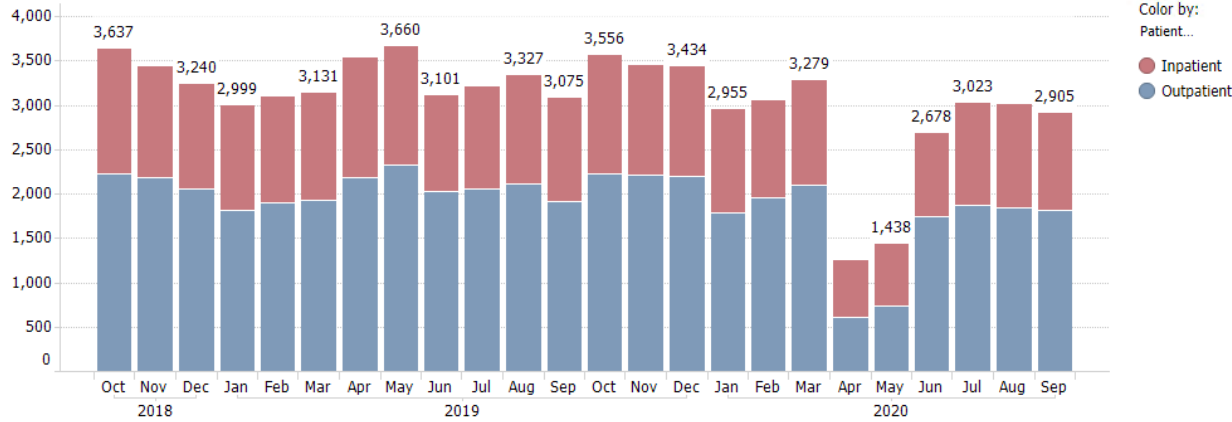
› Surgeon

› Patient Type

› Multiple Procedure Cases

Filtering Scheme: Surgical Cases

Case Volume Trend



Case Volumes

38,537
Total Cases

44,388
Prior Year

11,173
Inpatient Cases

11,866
Prior Year

6,176
Outpatient Cases

6,838
Prior Year

On Time Starts

\$2,300,000
On Time Start Opportunity \$

\$3,142,000
Prior Year

72.0 %
% First Case On-Time

67.2 %
Prior Year

42.0 %
% Subsequent Case On-Time

35.2 %
Prior Year

Scheduling Accuracy

\$2,843,000
Schedule Accuracy Opportunity \$

\$3,341,000
Prior Year

45.9 %
% Scheduling Accuracy

45.7 %
Prior Year

17.3 %
% Over Estimated

17.6 %
Prior Year

Block Utilization

\$8,788,000
Block Utilization Opportunity \$

\$14,263,000
Prior Year

56.7 %
% Block Utilization

60.1 %
Prior Year

2.0 %
% Block Released

2.5 %
Prior Year

Same Day Statistics

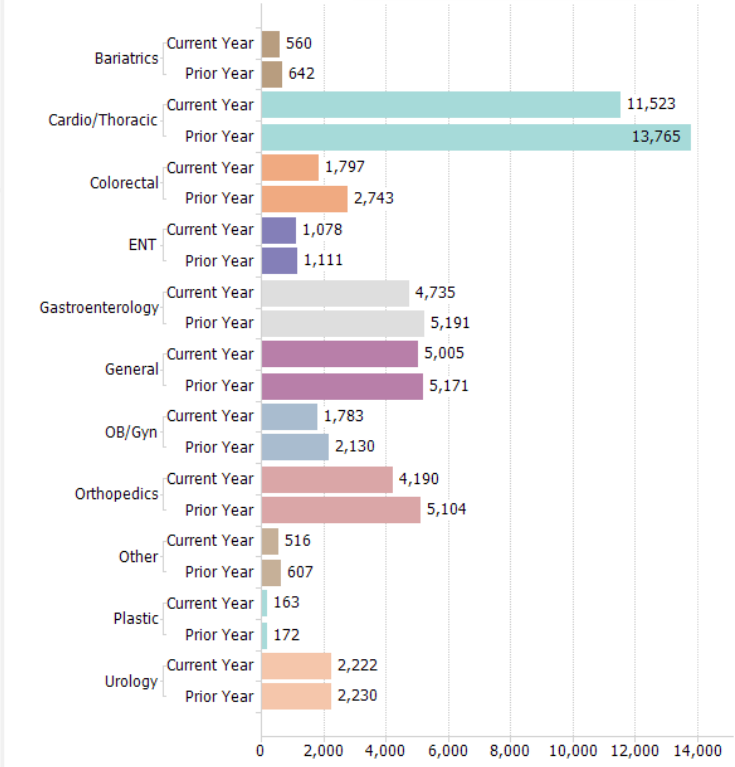
3.6 %
% Same Day Cancel

3.5 %
Prior Year

7.5 %
% Same Day Add On

7.4 %
Prior Year

Cases by Surgical Service





Guide Your Analysis



Current Year: 10/2019 to 9/2020

Prior Year: 10/2018 to 9/2019

First Cases, Subsequent Cases or All Cases:

First Cases

Include Grace Period of 5 Minutes: Yes

Include Flip Room First Cases: Yes

Case Date Range:

10/01/2018 - 09/30/2020

Show Filter Settings

Date Range

Facility

Location

Procedure Service

Surgeon Specialty

Surgeon

Patient Type

Filtering Scheme: On Time Starts

On Time Starts

72.0 %

% First Case On-Time

42.0 %

% Subsequent Case On-Time

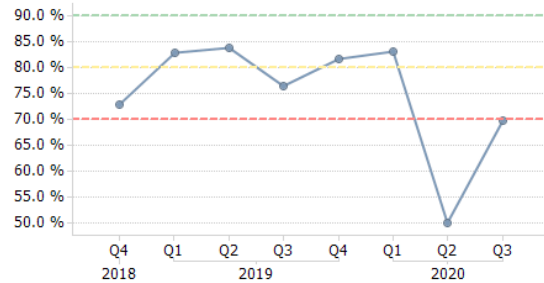
67.2 %

Prior Year

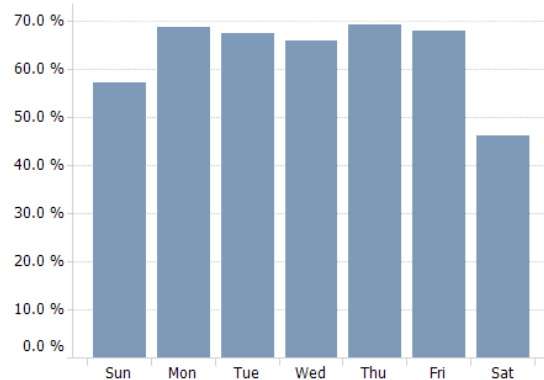
35.2 %

Prior Year

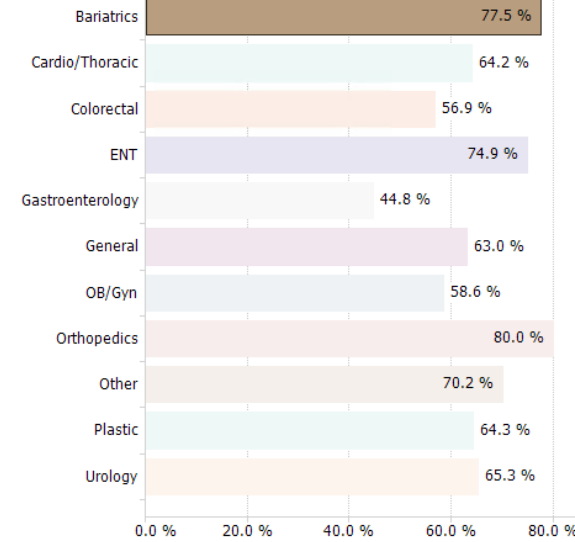
First Cases On Time or Early Starts Trend



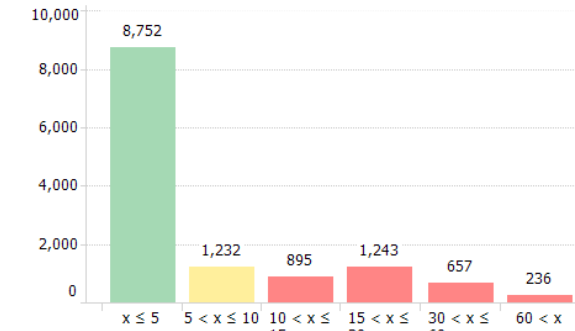
First Cases On Time or Early by Day of Week



First Cases On Time or Early by Service

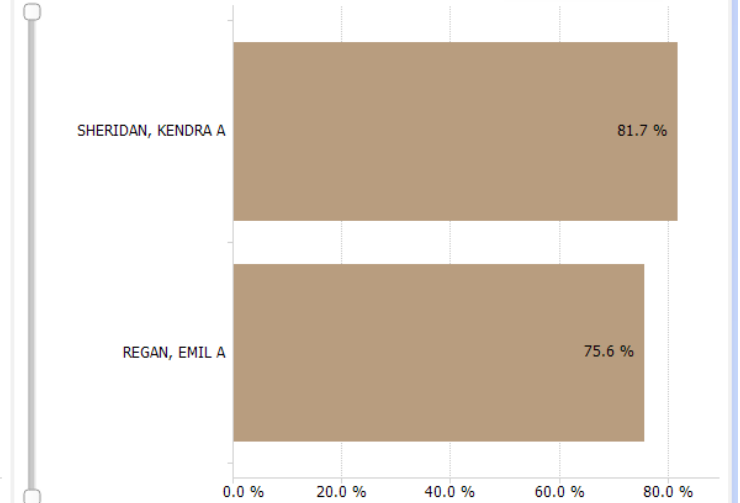


Distribution of First Cases by Delay Duration

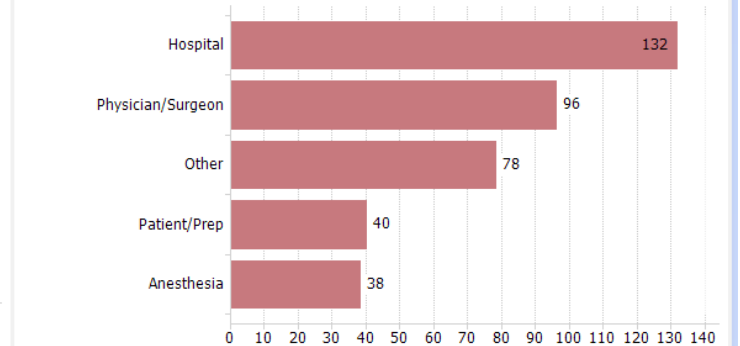


Minimum # of Cases: 200

First Cases On Time or Early by Surgeon



Delay Hours by Delay Reason



healthinsights.ai

Guide Your Analysis

Current Year: 10/2019 to 9/2020
Prior Year: 10/2018 to 9/2019
Case Date Range:
 10/01/2018 - 09/30/2020

[Show Filter Settings](#)

- Date Range
- Facility
- Location
- Procedure Service
- Surgeon Specialty
- Surgeon
- Patient Type
- Multiple Procedure Cases

Filtering Scheme: Surgical Cases

Choose Metric of Interest: Service

Schedule Accuracy by Service

Service	# of Cases	Avg Sched Case Duration	Avg Actual Duration	Avg Variance	% Over Estimated	% Accurate	% Under Estimated	Opportunity in Hours
Bariatrics	962	99	129	-30	8.3 %	16.9 %	74.7 %	1,583
Cardio/Thoracic	15,458	98	106	-9	25.5 %	34.6 %	39.9 %	25,119
Colorectal	4,476	39	40	-1	12.2 %	74.0 %	13.8 %	2,944
ENT	2,329	66	67	-2	19.3 %	55.3 %	25.4 %	2,547
Gastroenterology	12,316	32	35	-3	11.9 %	66.5 %	21.6 %	6,630
General	6,821	78	86	-8	19.3 %	46.3 %	34.4 %	8,847
OB/Gyn	2,847	73	87	-14	17.4 %	46.7 %	35.9 %	3,460
Orthopedics	7,306	83	111	-28	9.4 %	16.8 %	73.8 %	10,104
Other	978	108	116	-8	26.2 %	33.2 %	40.6 %	1,754
Plastic	310	135	143	-8	32.6 %	24.8 %	42.6 %	697
Urology	3,542	55	60	-5	18.8 %	50.7 %	30.5 %	3,247
Grand total	57,345	70	79	-9	17.4 %	45.7 %	36.8 %	66,933

Choose Metric of Interest: Surgeon Minimum # of Cases: 50 Total # of Cases Marked Below: 0

Schedule Accuracy by Surgeon

Color by: Schedule Accuracy ...
■ Under Estimated
■ Accurate

Scheduling Accuracy

16.3 %
% Scheduling Accuracy

16.9 %
Prior Year

8.9 %
% Over Estimated

7.8 %
Prior Year

74.8 %
% Under Estimated

74.7 %
Prior Year

% Accurate Trend

Actual vs. Scheduled Variation (Minutes)

Scheduling Accuracy Grace Period: **10 Minutes**

Guide Your Analysis



Current Year: 10/2019 to 9/2020

Prior Year: 10/2018 to 9/2019

Case Date Range:

10/01/2018 - 09/29/2020

Show Filter Settings

► Date Range

► Facility

► Location

► Block Name

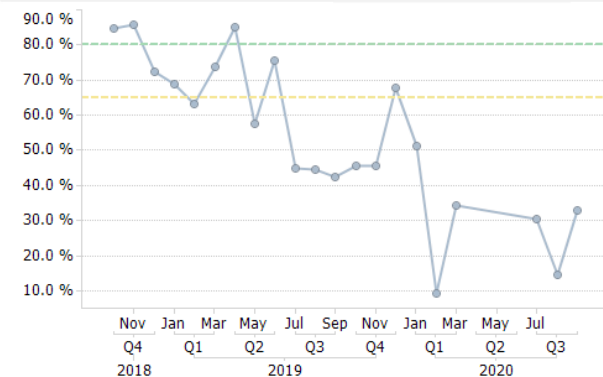
► Day of Week

Filtering Scheme: Block Utilization

Block Utilization by Surgical Block

Block Name	Block Cases	Block Minutes	Available Minutes	Overbook	Released Minutes	Release %	Utilization % Incl Release	Utilization %
SWANSON, EUGENE A	596	41,133	85,760	4,861	5,760	6.3 %	44.9 %	48.0 %
GASKINS, CAREY A	271	38,384	95,745	154	3,360	3.4 %	38.7 %	40.1 %
EPPS, LUCAS A	461	38,176	57,755	5,233	3,650	5.9 %	62.2 %	66.1 %
MARROQUIN, RICH A	282	37,842	44,760	20,818	8,220	15.5 %	71.4 %	84.5 %
HASSELL, SUNG A	803	37,225	43,740	1,653	1,830	4.0 %	81.7 %	85.1 %
OBSTETRICS	560	37,141	216,210	0	0	0.0 %	17.2 %	17.2 %
GONZALEZ, KENNETH A	393	37,040	46,585	3,459	1,935	4.0 %	76.3 %	79.5 %
BOHANNON, ESTELA A	258	34,245	63,120	2,191	570	0.9 %	53.8 %	54.3 %
HAMILTON, THOMAS A	225	33,772	46,560	3,321	780	1.6 %	71.3 %	72.5 %
KELSEY, ANTON A	275	32,371	48,825	498	275	0.6 %	65.9 %	66.3 %
PULMONARY GROUP	306	31,669	67,155	371	2,430	3.5 %	45.5 %	47.2 %
BARON, ELTON A	634	31,264	34,740	3,357	0	0.0 %	90.0 %	90.0 %
PARTNERS IN UROLOGY	499	30,319	44,385	2,283	0	0.0 %	68.3 %	68.3 %
PRIETO, TAMEKA A	344	27,722	53,940	2,923	510	0.9 %	50.9 %	51.4 %
HENSON, CALVIN A	278	27,636	39,825	7,002	2,085	5.0 %	65.9 %	69.4 %
WICKER, AVA A	177	27,335	38,465	0	340	0.9 %	70.4 %	71.1 %
ANGLIN, CRUZ A	598	26,520	62,935	2,445	2,595	4.0 %	40.5 %	42.1 %
MEEK, AUTUMN A	144	26,480	47,130	14	0	0.0 %	56.2 %	56.2 %
ESPINOSA, JOEY A	289	26,207	41,795	10,006	2,130	4.8 %	59.7 %	62.7 %
BROYLES, BLAIR A	227	25,118	40,050	1,632	540	1.3 %	61.9 %	62.7 %

Block Utilization Rate Trend



Block Utilization by Surgeon

Surgeon Name	Block Utilization Minutes	Block Available Time	Utilization Rate
SWANSON, EUGENE A	45,994		

Block Utilization by Year

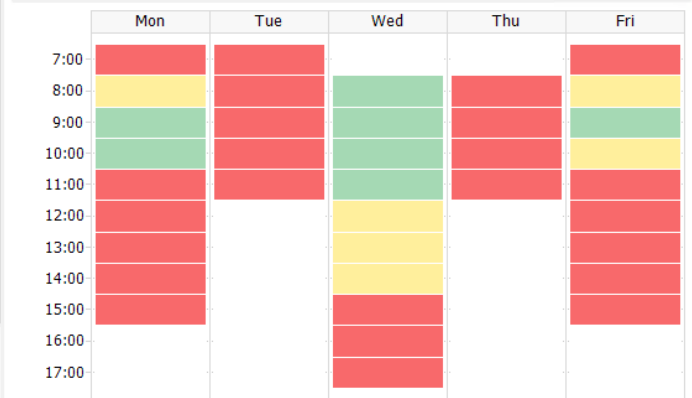
38.0 %
% Block Utilization

59.6 %
Prior Year

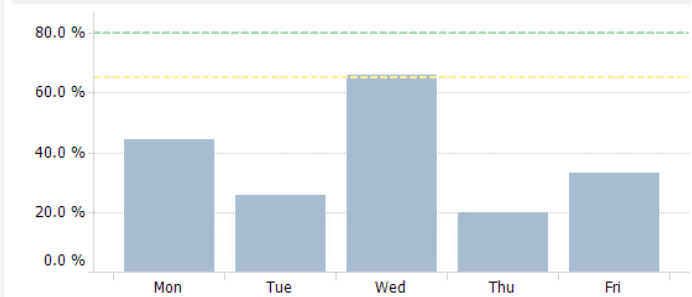
4.5 %
% Block Released

8.4 %
Prior Year

Block Detail by Hour of Day and Day of Week



Block Utilization by Day of Week



Guide Your Analysis



Case Date Range:

10/01/2018 - 09/30/2020

[Show Filter Settings](#)

▶ Date Range

▶ Facility

▶ Location

 Select Time Period: Select Time Metric: Schedule Accuracy Utilization Target: 80 % Delayed Start Utilization Target: 80 % Block Utilization Target: 80 %

Financial Opportunity

Opportunity in Hours	Opportunity \$'s	Modeled Savings
25,100	\$9,070,000	\$6,370,000

OR Values per Hour

Location	Value per Hour
Pioneer Main	\$343
Pioneer ASC	\$287
Pioneer L&D	\$188
Pioneer Endoscopy	\$247
Pioneer Cath/EP	\$174
Grand total	\$275

Improvement Modeling

Set improvement targets by entering the value or using the slider:

 Schedule Accuracy Improvement: %

Opportunity: Current 15,149 Remaining 6,059 Hours

 Delayed Start Improvement: %

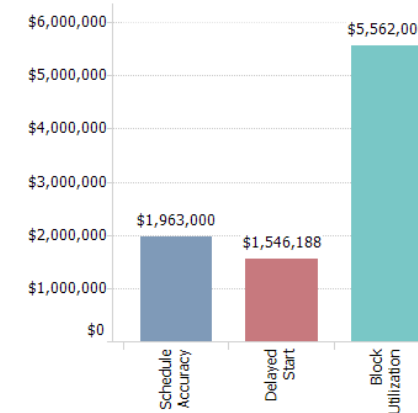
Opportunity: Current 14,003 Remaining 4,901 Hours

 Block Utilization Improvement: %

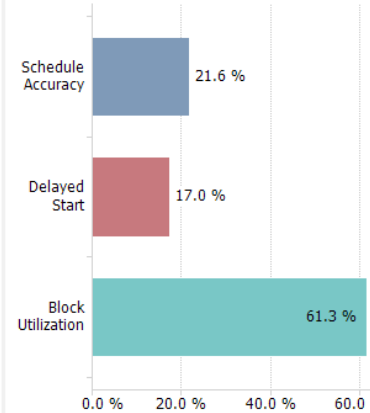
Opportunity: Current 69,143 Remaining 20,743 Hours

Filtering Scheme: Improvement Modeling

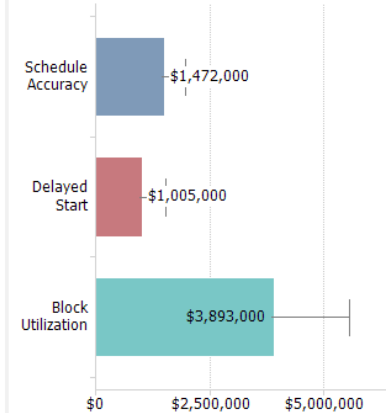
Opportunities \$ Breakout



Opportunities Breakout



Modeled Savings


 Opportunity Type: Show Data by: Min # of Cases:

Opportunities and Modeling Savings Detail

Service	Opportunity in Hours	Total Financial Potential	Total Modeled Savings	% Attainment
Cardio/Thoracic	18,100	\$5,505,000	\$3,869,000	70.3 %
OB/Gyn	1,500	\$1,041,000	\$727,000	69.8 %
Orthopedics	1,500	\$680,000	\$487,000	71.6 %
General	1,200	\$515,000	\$361,000	70.1 %
Gastroenterology	900	\$276,000	\$188,000	68.2 %
Bariatrics	600	\$412,000	\$288,000	70.0 %
Urology	600	\$318,000	\$222,000	69.8 %
Colorectal	400	\$137,000	\$95,000	69.6 %
ENT	200	\$94,000	\$67,000	70.9 %
Other	200	\$68,000	\$48,000	70.5 %
Plastics	100	\$23,000	\$16,000	72.2 %
Grand total	25,100	\$9,070,000	\$6,370,000	70.2 %

Surgeon Scorecard

Surgeon: SWANSON, EUGENE A

Date Range: 10/01/2019 to 09/30/2020

Case Volume by Patient Type & Year

Inpatient

103
Cases Current Year
145
Prior Year

Outpatient

454
Cases Current Year
604
Prior Year

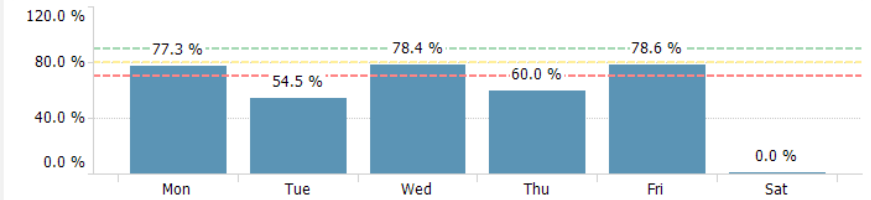
Case Volume by Location

Location	Inpatient	Outpatient	Grand total
Pioneer Main	97	43	140
Pioneer ASC	2	231	233
Pioneer Endoscopy	4	180	184
Grand total	103	454	557

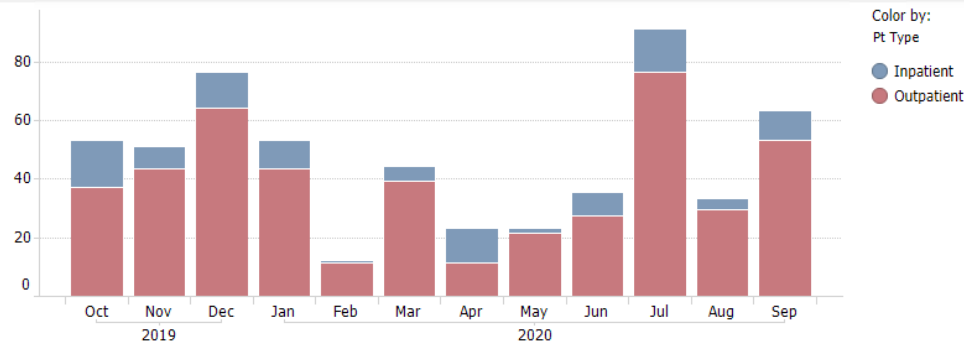
On Time Starts

87.0 %
% First Case On-Time
77.3 %
Prior Year

First Cases On Time or Early by Day of Week



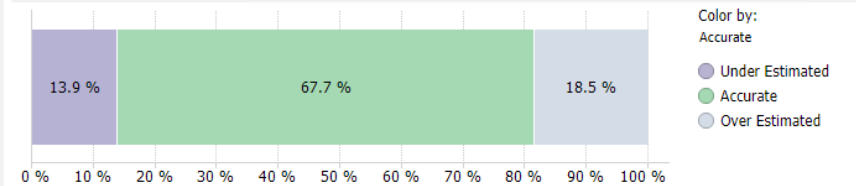
Case Volume Trend



Scheduling Accuracy

67.7 %
% Scheduling Accuracy
69.7 %
Prior Year

Scheduling Accuracy



Top 10 Procedures

Procedure Description	# of Cases
COLONOSCOPY	318
SIGMOIDOSCOPY, FLEXIBLE	50
COLECTOMY, SIGMOID, LOW ANTERIOR, LAPAROSC...	22
COLECTOMY, ASCENDING COLON AND HEPATIC FLE...	17
FISTULOTOMY, RECTUM, WITH INTERSPHINCTERIC...	10
INJECTION, ONABOTULINUMTOXINA, ANUS	10
CLOSURE, ILEOSTOMY	9
COLONOSCOPY, WITH HEMORRHOID BANDING	9
INCISION AND DRAINAGE, ABSCESS, RECTUM	9
HEMORRHOIDECTOMY	8
Grand total	557

Surgeon Turnover

Cases with Turnover	Avg Turnover Minutes	Median Turnover Minutes
381	31	22

Room Turnover

Cases with Turnover	Avg Turnover Minutes	Median Turnover Minutes
446	18	13

Block Utilization

38.0 %
% Block Utilization
59.6 %
Prior Year

Block Utilization

Block Name	Utilization %	Release %
SWANSON, EUGENE A	38.0 %	7.3 %

Case Time Continuum

Surgeon	Patient In to Proc Start	Procedure Duration	Procedure End to Pt Out	Pt Out to PACU Arrival	PACU Duration
Pioneer Main	00:23	01:06	00:10	00:01	01:27
Pioneer ASC	00:06	00:11	00:03	00:03	00:37
Pioneer Endoscopy	00:05	00:09	00:04		
Grand total	00:10	00:24	00:05	00:01	01:20

healthinsights.ai

Guide Your Analysis

Current Year: 10/2019 to 9/2020
Prior Year: 10/2018 to 9/2019
Case Date Range: 10/01/2018 - 09/30/2020

[Show Filter Settings](#)

- Date Range
- Facility
- Location
- Service
- Surgeon Specialty
- Surgeon
- Patient Type
- Multiple Procedure Cases

Filtering Scheme: Surgical Cases

Case Volume by Anesthesiologist

Anesthesiologist Name	# of Cases
1961622440	3,561
1129557066	3,297
199870692	3,115
788701878	3,030
1542809343	2,894
823491967	2,663
1130484419	2,452
782480692	2,410
266876429	2,382
762639424	2,253
835574076	1,668
1935350835	1,611
1141696393	1,536
1221045013	1,509
1357651953	1,416
713591093	1,284
383624008	1,179
193628124	1,167

Choose Metric of Interest: Procedure

Average Case Time Continuum by Procedure

Procedure	Anes Start to Ready	Anes Ready to Proc Start	Proc Start to Finish
COLONOSCOPY	4	2	22
COLONOSCOPY AND ENDOSCOPY WITH ANESTH...	6	2	38
ENDOBROCHIAL ULTRASOUND (EBUS)	7	2	41
ENDOSCOPY	6	2	13
ENDOSCOPY, UPPER GASTROINTESTINAL (GI) TR...	6	2	15
LITHOTRIPS, EXTRACORPOREAL SHOCKWAVE LI...	7	2	47
TONSILLECTOMY AND ADENOIDECTOMY	12	2	42
ULTRASOUND, UPPER GASTROINTESTINAL (GI) T...	7	2	33

Choose Metric of Interest: Anesthesiologist

Average Case Time Continuum by Anesthesiologist

Anesthesiologist	Anes Start to Ready	Anes Ready to Proc Start	Proc Start to Finish
1961622440	14	7	50

Case Volume Trend

Month	# of Cases
Nov 2018	120
Jan 2019	190
Mar 2019	140
May 2019	180
Jul 2019	100
Sep 2019	200
Nov 2019	170
Jan 2020	140
Mar 2020	200
May 2020	10
Jul 2020	270

Contribution Margin & Net Income

healthinsights.ai

Guide Your Analysis

Current Year: 10/2019 to 9/2020
Prior Year: 10/2018 to 9/2019
Case Date Range: 10/01/2018 - 09/29/2020

Includes only cases where Encounter match was found. Encounters matched by Patient Account Number and Primary Procedure Date = Surgery Date.

Show Filter Settings

Date Range

Facility

Location

Procedure Service

Type to search in list

- (All) 11 values
- Bariatrics
- Cardio/Thoracic
- Colorectal
- ENT
- Gastroenterology
- General

Surgeon Specialty

Surgeon

Filtering Scheme: Surgical Cases

Choose Metric of Interest: **Net Income** Minimum Cases: 500

Cases vs. Net Income

Color by: Service
 Size by: Cases

Legend:
 ● ≥ 2329
 ● ≤ 656

Payor Mix for Selected Surgeon

Selected Surgeon

All Others

Color by: Financial Class

- BCBS
- Commercial
- Employer
- Medicaid
- Medicare
- Self-pay
- WC/NF

Minimum Cases: 25

Net Income by DRG

Direct Cost Opportunity



healthinsights.ai

Guide Your Analysis



Case Date Range:

10/01/2018 - 06/16/2020

Includes only cases where Encounter match was found. Encounters matched by Patient Account Number and Primary Procedure Date = Surgery Date.

Show Filter Settings

- ▶ Date Range
- ▶ Facility
- ▶ Location
- ▶ Procedure Service
- ▶ Surgeon Specialty
- ▶ Surgeon
- ▶ Patient Type
- ▶ MS DRG
- ▶ Department
- ▶ Revenue Code

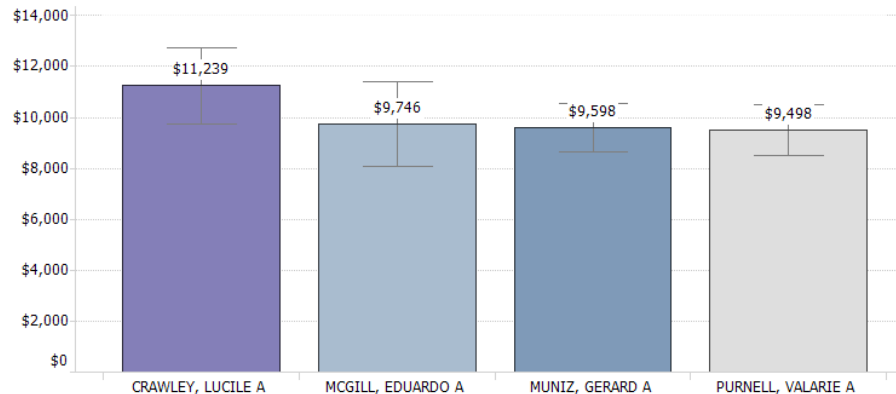
Filtering Scheme: Cost Detail

Direct Costs by Procedure

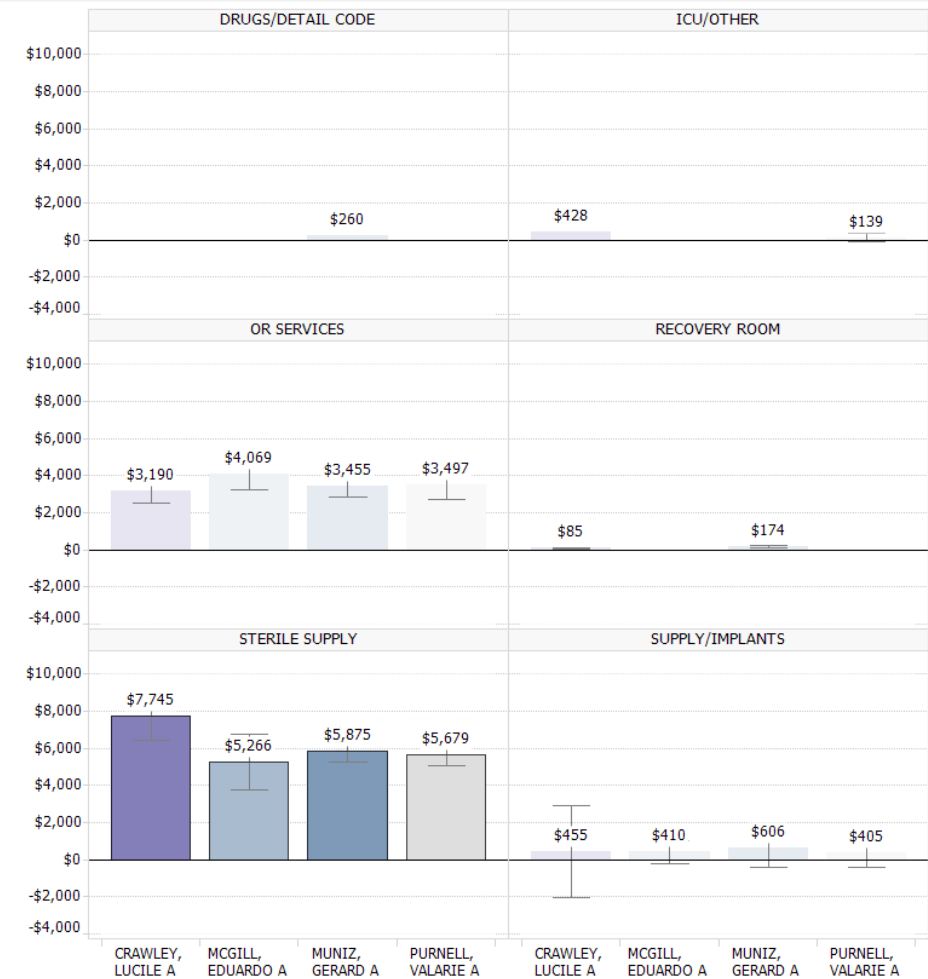
Service	Procedure Description	Case Count	Direct Costs	Avg Direct Costs per Case
Cardio/Thoracic	CORONARY ARTERY BYPASS GRAFT (CABG), WITH EN...	523	\$5,239,807	\$10,019
	CREATION, ARTERIOVENOS (AV) FISTULA, OR ACCES...	239	\$363,797	\$1,522
	REPAIR, ANEURYSM, AORTOILIAC, ENDOVASCULAR	167	\$2,862,459	\$17,140
	ENDARTERECTOMY, CAROTID, WITH DIGITAL FLOW ...	156	\$539,771	\$3,460
	REPAIR OR REPLACEMENT, MITRAL VALVE, MINIMALL...	138	\$1,556,551	\$11,279
	ENDARTERECTOMY, CAROTID	133	\$482,918	\$3,631
	CREATION, BYPASS, ARTERIAL, FEMORAL TO POPLIT...	120	\$617,444	\$5,145
	ENDARTERECTOMY, FEMORAL	117	\$377,155	\$3,224
	ABLATION, VEIN, SAPHENOUS, USING STAB PHLEBEC...	115	\$360,908	\$3,138
	CORONARY ARTERY BYPASS GRAFT (CABG), USING I...	107	\$942,696	\$8,810
	REVISION OR REMOVAL, DIALYSIS ARTERIOVENOS (...)	104	\$154,689	\$1,487
	REPLACEMENT, AORTIC VALVE, MINIMALLY INVASIVE...	101	\$1,288,866	\$12,761
	INSERTION, CENTRAL VENOUS ACCESS DEVICE, TUN...	100	\$83,259	\$833
	LOBECTOMY, LUNG, USING VIDEO ASSISTED THORA...	97	\$845,395	\$8,715
CORONARY ARTERY BYPASS GRAFT (CABG), WITH EN...	72	\$1,168,105	\$16,224	

Minimum Cases: 50

Direct Costs by Surgeon



Direct Costs by Revenue Code



Guide Your Analysis



Case Date Range:

10/01/2018 - 02/07/2020

Includes only cases where Encounter match was found. Encounters matched by Patient Account Number and Primary Procedure Date = Surgery Date.

[Show Filter Settings](#)

Date Range

Facility

Location

Procedure Service

Surgeon Specialty

Surgeon

Patient Type

MS DRG

Service Item

Filtering Scheme: Cost Detail

Minimum # of Cases: 10

Service Item Detail

Service Item Code & Name	CRAWLEY, LUCILE A			MCGILL, EDUARDO A			MUNIZ, GERARD A			PURNELL, VALARIE A		
	Cases	Avg Direct Costs	Total Direct Costs	Cases	Avg Direct Costs	Total Direct Costs	Cases	Avg Direct Costs	Total Direct Costs	Cases	Avg Direct Costs	Total
SUP32186 - KIT,HEMOPRO,EVH SYSTEM	103	\$1,787	\$184,056	92	\$1,760	\$161,944	153	\$1,775	\$271,628	128	\$1,783	
SUP32849 - STABILIZER,TISSUE,EVOL,OCTOPUS	92	\$1,515	\$139,408	-	-	-	-	-	-	27	\$1,469	
SUP64796 - CDS,CABG,OFF-PUMP	100	\$1,104	\$110,410	-	-	-	-	-	-	-	-	
SUP33869 - POSITIONER,HEART,URCHIN	100	\$966	\$96,646	-	-	-	-	-	-	-	-	
SUP53493 - DRESSING,PREVENA,CUSTOMIZABLE	17	\$494	\$8,401	-	-	-	27	\$503	\$13,576	-	-	
SUP29502 - CDS,CABG PART 1	103	\$493	\$50,781	93	\$481	\$44,749	155	\$482	\$74,715	130	\$483	
SUP33073 - DRESSING,PREVENA,20CM	25	\$428	\$10,702	-	-	-	111	\$459	\$50,903	12	\$425	
SUP32376 - PACK,SMART,PREP2	23	\$397	\$9,138	-	-	-	31	\$416	\$12,905	26	\$402	
SUP29518 - CATH,SWAN,CCO,8F	99	\$359	\$35,508	47	\$354	\$16,618	155	\$354	\$54,802	130	\$354	
SUP29480 - KIT,INTRO,PERCU SHEATH,7.5-8FR	103	\$239	\$24,655	93	\$241	\$22,453	155	\$236	\$36,646	130	\$237	
SUP58140 - DERMABOND,SKIN CLOS,SM,PRINEO,22CM	98	\$175	\$17,173	-	-	-	89	\$148	\$13,147	120	\$200	
SUP32346 - KIT,BLOWER/MISTER	13	\$64	\$830	-	-	-	-	-	-	26	\$68	
SUP32143 - DRESSING,AQUACEL,SURG,9X30CM	57	\$57	\$3,270	78	\$58	\$4,501	25	\$56	\$1,399	-	-	
SUP30701 - DRESSING,AQUACEL,SURG,9X25CM	11	\$51	\$564	17	\$51	\$871	-	-	-	-	-	
SUP32615 - SUTURE,WIRE,S/S #7,M655G	102	\$50	\$5,132	93	\$45	\$4,220	126	\$64	\$8,036	46	\$45	
SUP33217 - KIT,APPLICATOR,SPRAY	45	\$49	\$2,222	-	-	-	65	\$50	\$3,236	-	-	
SUP33841 - CLIP,LIGATION,TI 24,SM RED	103	\$46	\$4,754	93	\$35	\$3,219	155	\$30	\$4,579	129	\$32	
SUP31840 - CLAMP,VACUSTAT,ANG,MIDI,WHT	103	\$40	\$4,080	-	-	-	-	-	-	-	-	
SUP32725 - CATH,THORACIC,RT ANG,28F	102	\$36	\$3,698	-	-	-	123	\$34	\$4,158	79	\$35	
SUP29582 - DERMABOND,SKIN CLOSURE,ADVANC,20CM	39	\$32	\$1,253	93	\$60	\$5,579	107	\$32	\$3,403	21	\$34	
SUP28943 - PUNCH,AORTIC,4.0	42	\$30	\$1,242	66	\$30	\$1,957	127	\$30	\$3,810	81	\$30	
SUP29102 - CLIP,LIGATION,TI 24,MED	41	\$18	\$738	24	\$18	\$431	13	\$22	\$288	14	\$18	
SUP33354 - CATH,THORACIC,STR,32F	101	\$13	\$1,322	-	-	-	121	\$12	\$1,504	101	\$13	
SUP33487 - DRESSING,BIOPATCH,1 ,4MM CH	103	\$11	\$1,115	22	\$13	\$281	155	\$11	\$1,643	129	\$11	
2721323 - HC EOPA CATH 3D 20FR	-	-	-	88	\$75	\$6,557	145	\$74	\$10,716	98	\$72	
2721325 - HC 26 SINGLE STAGE VENOUS	-	-	-	-	-	-	-	-	-	10	\$53	
SUP30480 - BLADE,GLIDESCOPE,GVL,3 STAT	-	-	-	-	-	-	10	\$30	\$298	-	-	
SUP31063 - SUTURE,WIRE,S/S,5,18 ,M657G	-	-	-	-	-	-	-	-	-	29	\$11	
SUP31823 - SET,TUBE,INSUFFLATOR	-	-	-	-	-	-	13	\$14	\$188	10	\$15	
SUP31907 - HEMOSTAT,ABSORB,NU-KNIT,6X9	-	-	-	-	-	-	154	\$212	\$32,708	-	-	
SUP32120 - CLIP,CORONARY,RETRACT,3.0MM	-	-	-	93	\$26	\$2,452	154	\$27	\$4,133	10	\$27	
SUP32240 - SENSOR,TEMP,MYOCARDIAL	-	-	-	-	-	-	22	\$24	\$518	-	-	

Guide Your Analysis



Current Year: 10/2019 to 9/2020

Prior Year: 10/2018 to 9/2019

Case Date Range:

10/01/2018 - 09/30/2020

Show Filter Settings

Date Range

Facility

Location

Procedure Service

Surgeon Specialty

Surgeon

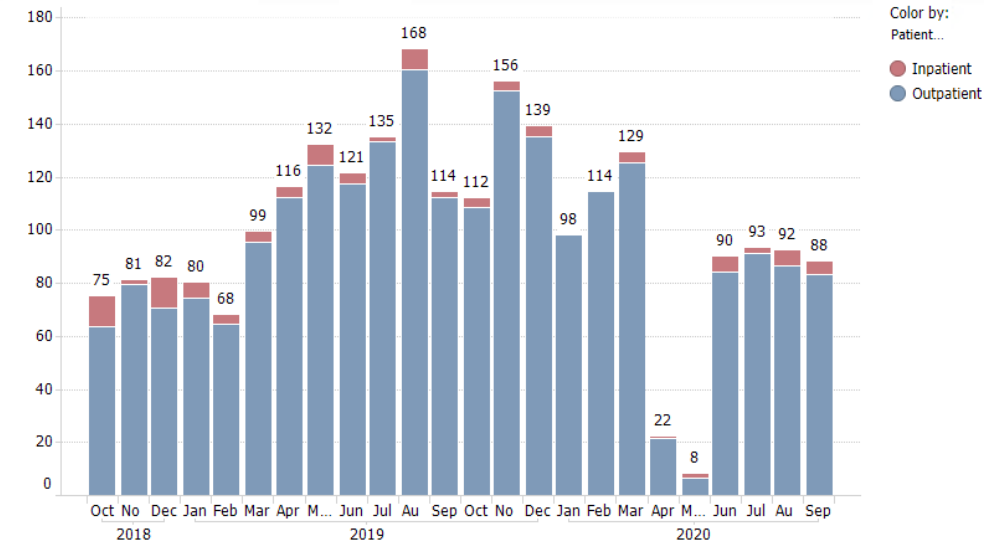
Patient Type

Filtering Scheme: Surgical Cases

Case Volumes by Year

Service	Cases Current Year	Cases Prior Year	Difference	% Difference
Bariatrics	525	606	-81	-13.4 %
Cardio/Thoracic	11,024	12,965	-1,941	-15.0 %
Colorectal	1,964	2,695	-731	-27.1 %
ENT	1,153	1,283	-130	-10.1 %
Gastroenterology	7,905	9,034	-1,129	-12.5 %
General	4,635	4,790	-155	-3.2 %
OB/Gyn	1,701	2,026	-325	-16.0 %
Orthopedics	3,911	4,732	-821	-17.3 %
Other	479	561	-82	-14.6 %
Plastic	152	168	-16	-9.5 %
Urology	2,060	2,090	-30	-1.4 %
Grand total	35,509	40,950	-5,441	-13.3 %

Case Volume Trend



Choose Metric of Interest: Procedure

Case Volume by Year

Procedure	Cases Current Year	Cases Prior Year	Difference	% Difference
ENDOBROCHIAL ULTRASOUND (EBUS)	159	158	1	0.6 %
TONSILLECTOMY AND ADENOIDECTOMY	154	151	3	2.0 %
BRONCHOSCOPY	136	244	-108	-44.3 %
MYRINGOTOMY, WITH TYMPANOSTOMY TUBE IN...	74	67	7	10.4 %
FUNCTIONAL ENDOSCOPIC SINUS SURGERY (FES...	53	45	8	17.8 %
RHINOSEPTOPLASTY	47	7	40	571.4 %
FUNCTIONAL ENDOSCOPIC SINUS SURGERY (FES...	35	12	23	191.7 %
TONSILLECTOMY	30	27	3	11.1 %
FUNCTIONAL ENDOSCOPIC SINUS SURGERY (FES...	29	77	-48	-62.3 %
SEPTOPLASTY, NOSE, WITH ENDOSCOPIC NASAL ...	28	36	-8	-22.2 %
SEPTOPLASTY, NOSE	27	23	4	17.4 %
FUNCTIONAL ENDOSCOPIC SINUS SURGERY (FES...	23	14	9	64.3 %
SLEEP ENDOSCOPY, DRUG INDUCED	23	6	17	283.3 %
ADENOIDECTOMY	20	23	-3	-13.0 %
BRONCHOSCOPY WITH FLUOROSCOPIC GUIDANCE	18	18	0	0.0 %
REPAIR, NASAL VALVE, USING SEPTAL CARTILAGE...	18	33	-15	-45.5 %
MICROLARYNGOSCOPY, DIRECT, WITH VOCAL CO...	15	18	-3	-16.7 %
INSERTION,STIMULATOR,UPPER AIRWAY	14	0	14	
REDUCTION, NASAL TURBINATE, ENDOSCOPIC, U...	14	8	6	75.0 %
ADENOIDECTOMY, WITH BILATERAL MYRINGOTO...	12	11	1	9.1 %
PENTAMIDINE, AEROSOLIZED, BY INHALATION	12	10	2	20.0 %
BIOPSY OR EXCISION, LESION, FACE AND NECK	11	14	-3	-21.4 %
CLOSED REDUCTION, FRACTURE, NASAL BONE	11	17	-6	-35.3 %
CLOSURE, WOUND, USING ROTATION FLAP	11	1	10	1000.0 %
EXCISION, PAROTID GLAND	10	12	-2	-16.7 %
MICROLARYNGOSCOPY, DIRECT, WITH BIOPSY, U...	10	7	3	42.9 %
FUNCTIONAL ENDOSCOPIC SINUS SURGERY (FES...	9	14	-5	-35.7 %
RHINOSEPTOPLASTY, CLOSED	8	1	7	700.0 %
CAUTERIZATION, NOSE, INTERNAL	7	0	7	
FUNCTIONAL ENDOSCOPIC SINUS SURGERY (FES...	7	3	4	133.3 %
LARYNGOSCOPY	7	7	0	0.0 %
MICROLARYNGOSCOPY, DIRECT, WITH BIOPSY IF...	7	17	-10	-58.8 %
TONSILLECTOMY AND ADENOIDECTOMY, WITH B...	7	11	-4	-36.4 %
APPLICATION, GRAFT, SKIN, SPLIT-THICKNESS	6	1	5	500.0 %

Case Durations

healthinsights.ai

Guide Your Analysis

Current Year: 10/2019 to 9/2020
Prior Year: 10/2018 to 9/2019
Case Date Range: 10/01/2018 - 09/30/2020

[Show Filter Settings](#)

- ▶ **Date Range**
- ▶ **Facility**
- ▶ **Location**
- ▶ **Service**
- ▶ **Surgeon Specialty**
- ▶ **Surgeon**
- ▶ **Patient Type**
- ▶ **Multiple Procedure Cases**

Filtering Scheme: Surgical Cases

Choose Metric of Interest: Service Minimum # of Cases:

Average Case Time Continuum by Service

Service	Patient In to Proc Start	Procedure Duration	Procedure End to Pt Out	Pt Out to PACU Arrival	PACU Duration
Bariatrics	28	88	12	1	81
Cardio/Thoracic	26	59	11	1	80
Colorectal	25	39	10	1	74
ENT	16	39	10	1	42
Gastroenterology	16	16	13	1	45
General	23	53	9	1	63
OB/Gyn	24	49	11	1	89
Orthopedics	27	71	11	1	72
Other	25	78	11	1	44
Plastic	25	109	11	1	51
Urology	18	32	11	1	52

Choose Metric of Interest: Procedure Minimum # of Cases:

Case Time Continuum by Procedure

Procedure	Cases	Patient In to Proc Start	Procedure Duration	Procedure End to Pt Out	Pt Out to PACU Arrival	PACU Duration
COLONOSCOPY	5,991	00:07	00:15	00:06	00:09	00:39
CATHETERIZATION, HEART, LEFT	5,549	00:15	00:26	00:10	00:23	00:00
CARDIAC CATHETERIZATION	3,538	00:15	00:29	00:11	00:35	00:00
ENDOSCOPY	3,303	00:09	00:06	00:10	00:02	00:27
ENDOSCOPY, UPPER GASTROINTESTINAL (GI) TR...	2,357	00:08	00:08	00:08	00:03	00:47
ARTHROPLASTY, KNEE, TOTAL	1,563	00:20	01:01	00:05	00:01	01:11
CHOLECYSTECTOMY, LAPAROSCOPIC	1,529	00:21	00:39	00:09	00:01	01:02
ULTRASOUND, UPPER GASTROINTESTINAL (GI) T...	1,522	00:09	00:23	00:08	00:04	00:42
ENDOSCOPIC RETROGRADE CHOLANGIOPANCREA...	1,165	00:20	00:25	00:14	00:02	00:40
COLONOSCOPY AND ENDOSCOPY WITH ANESTHE...	1,020	00:08	00:23	00:09		
ARTHROPLASTY, HIP, UNILATERAL, TOTAL	896	00:22	00:55	00:06	00:01	01:21
MOTILITY STUDY, ESOPHAGUS	886	00:10	00:26	00:09		
CORONARY ARTERY BYPASS GRAFT (CABG), WITH...	815	01:16	04:25	00:15	00:03	03:01
ABLATION, ARRHYTHMOGENIC FOCUS, FOR ATRI...	741	00:26	01:25	00:26	00:04	00:58
INSERTION, IMPLANTABLE LOOP RECORDER	680	00:09	00:07	00:07	00:08	00:07
CREATION, GASTRIC BYPASS, ROUX-EN-Y, LAPAR...	644	00:28	01:28	00:11	00:01	01:25
LITHOTRIPSY, EXTRACORPOREAL SHOCKWAVE LI...	642	00:09	00:41	00:05	00:01	00:32
CESAREAN SECTION, PRIMARY	584	00:18	00:31	00:13	00:21	02:13
RESTORATION, TOOTH	561	00:21	01:30	00:12	00:01	00:22
REPAIR HERNIA INGUINAL OR FEMORAL	514	00:15	00:35	00:07	00:01	00:41

Average PACU Duration by Location

Pioneer Main 77.3 Avg PACU Minutes	Pioneer ASC 41.5 Avg PACU Minutes
Pioneer L&D 135.7 Avg PACU Minutes	Pioneer Cath/EP 62.5 Avg PACU Minutes

Cancellation Statistics



healthinsights.ai

Guide Your Analysis



Current Year: 10/2019 to 9/2020

Prior Year: 10/2018 to 9/2019

Case Date Range:

10/01/2018 - 09/30/2020

Show Filter Settings

► Date Range

► Facility

► Location

► Procedure Service

► Surgeon Specialty

► Surgeon

► Patient Type

Filtering Scheme: Surgical Cases

Cancellation Statistics

7.9 %

Overall Case Cancellation Rate

7.7 %

Prior Year

45.4 %

Same Day Cancellation Rate

45.3 %

Prior Year

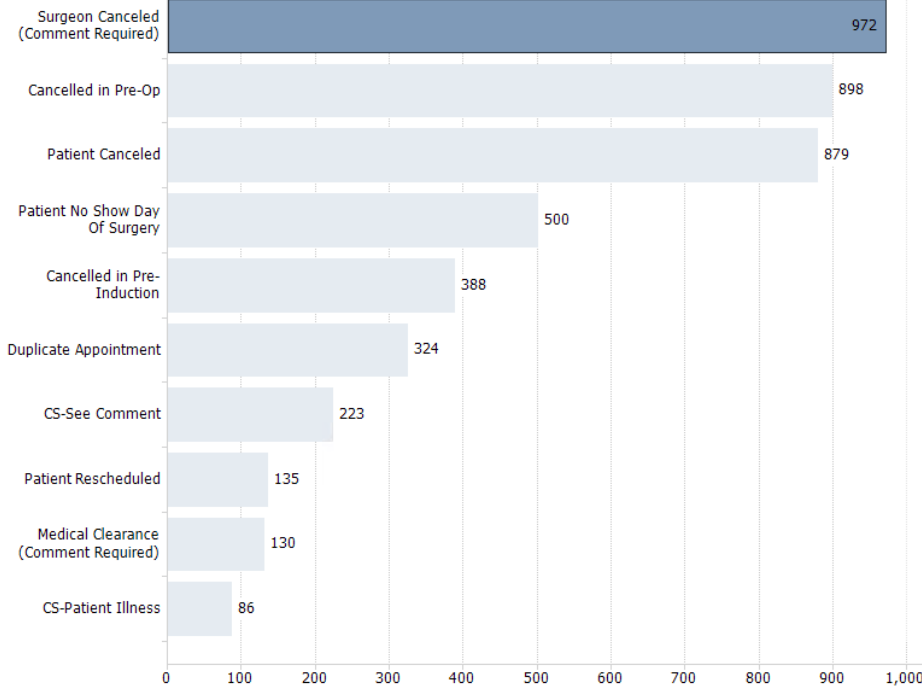
3.6 %

Same Day Cancel as % of All Cases

3.5 %

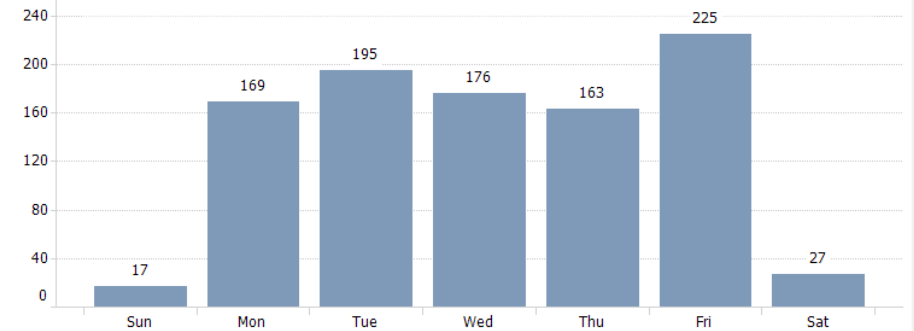
Prior Year

Top 10 Cancellation Reasons



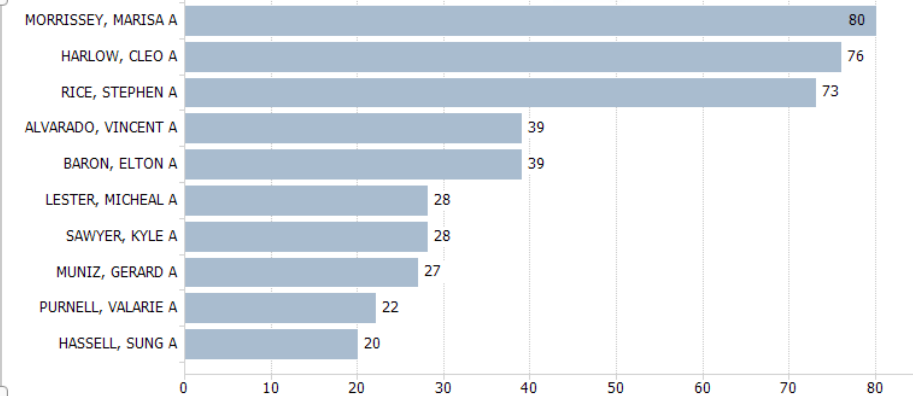
Choose Metric of Interest: Day of Week

Canceled Cases by Day of Week



Choose Metric of Interest: Surgeon

Canceled Cases by Surgeon



Surgeon Turnover



healthinsights.ai

Guide Your Analysis



Current Year: 10/2019 to 9/2020

Prior Year: 10/2018 to 9/2019

Case Date Range:

10/01/2018 - 09/30/2020

Surgeon Turnover Metric:

Close to Next Incision

Show Filter Settings

- ▶ Date Range
- ▶ Facility
- ▶ Location
- ▶ Service
- ▶ Surgeon Specialty
- ▶ Surgeon
- ▶ Patient Type
- ▶ Multiple Procedure Cases

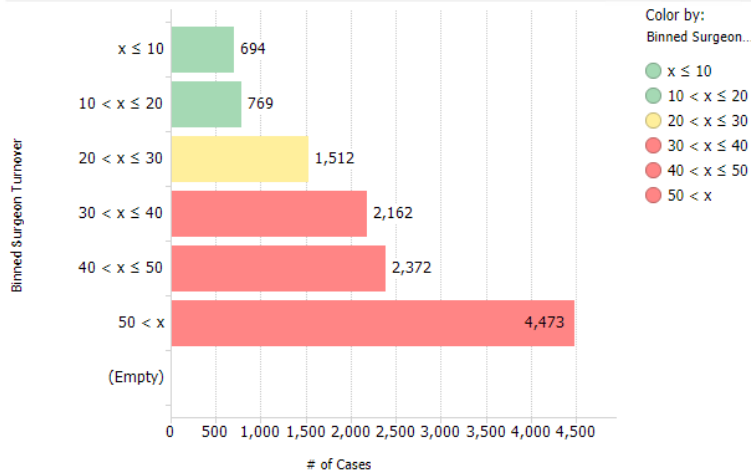
Filtering Scheme: Surgical Cases

Choose Metric of Interest: Service

Surgeon Turnover by Procedure Service

Service	# of Cases	Cases with Turnover	Avg Turnover Minutes	Median Turnover Minutes
Bariatrics	1,205	682	46	50
Cardio/Thoracic	25,292	11,982	37	44
Colorectal	4,887	3,025	28	21
ENT	2,605	1,265	47	46
Gastroenterology	19,611	10,628	33	31
General	10,185	4,684	47	52
OB/Gyn	3,913	1,150	56	63
Orthopedics	9,317	4,864	22	11
Other	1,123	535	58	60
Plastic	335	93	56	56
Urology	4,452	2,640	40	37
Grand total	82,925	41,548	36	37

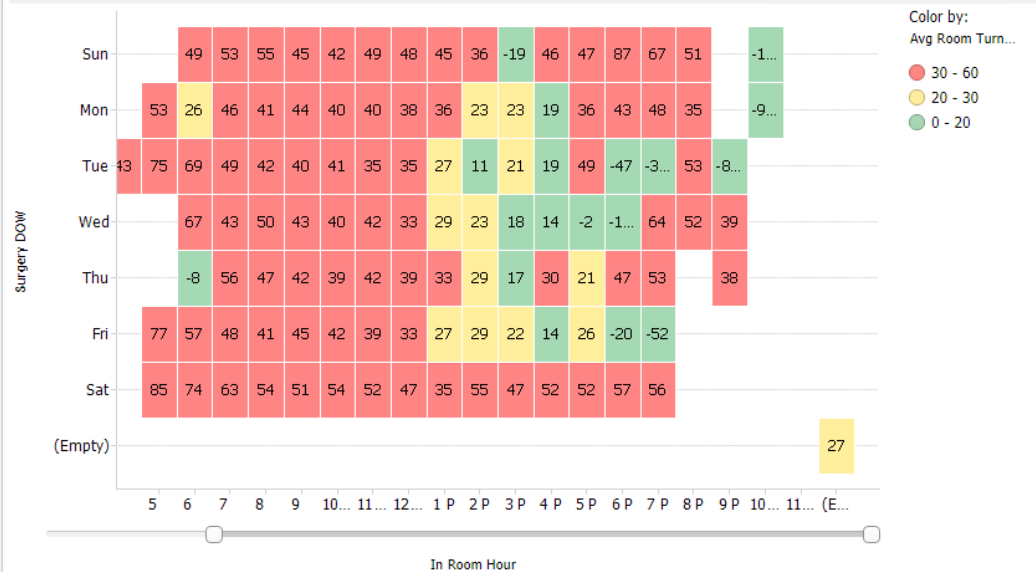
Distribution of Surgeon Turnover Times (Minutes)



Surgeon Turnover by Surgeon

Surgeon Name	# of Cases	Cases with Turnover	Avg Turnover Minutes	Median Turnover Minutes
BOHANNON, ESTELA A	321	120	1	56
BONILLA, STUART A	2	0		
BRANSON, JOSUE A	23	0		
BROYLES, BLAIR A	17	4	63	60
BUTTS, RAMONA A	346	87	62	63
CHILDRESS, JULIAN A	2	1	32	32
CRAMER, PERRY A	23	1	18	18
CRAWLEY, LUCILE A	595	19	74	78
CUMMINS, RODERICK A	1,104	344	55	56
DARBY, ORVILLE A	4	0		
DUBOIS, SANDY A	2	0		
DYE, ISAAC A	11	0		

Avg Surgeon Turnover Minutes by Day of Week and Time of Day



Room Utilization



Guide Your Analysis



Case Date Range:

10/01/2018 - 09/30/2020

[Show Filter Settings](#)

▶ Date Range

▶ Facility

▶ Location

▶ Surgeon Specialty

▶ Surgeon

Filtering Scheme: Surgeon Utilization

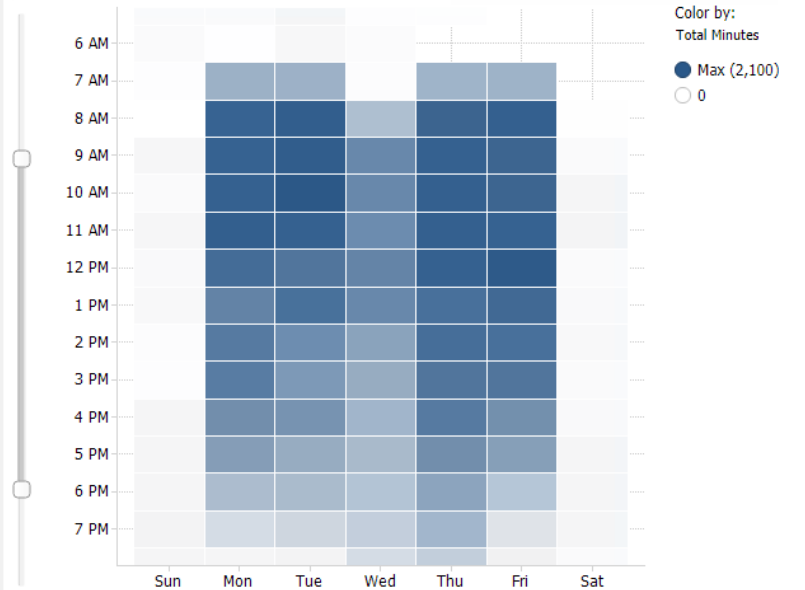
Surgeon Utilization

Surgeon Name	Total Cases	Block Cases	Block Case Minutes	Out of Block Minutes	Non Block Cases	Non Block Minutes	Out of Block Case %
MORRISON, ROY A	867	471	21,743	12,626	396	24,460	45.7 %
FALCON, RAE A	802	475	19,257	27,503	327	27,654	40.8 %
PURNELL, VALARIE A	668	497	140,825	19,560	171	49,465	25.6 %
GEE, ED A	651	552	58,248	880	99	10,619	15.2 %
PEOPLES, OMAR A	609	436	11,612	24,516	173	12,520	28.4 %
HAYWOOD, FRANCIS A	588	382	23,203	4,312	206	14,958	35.0 %
NOONAN, CORNELL A	536	281	22,949	499	255	21,062	47.6 %
MUNIZ, GERARD A	500	402	111,586	8,872	98	26,359	19.6 %
GOETZ, DAMIEN A	444	141	15,350	2,499	303	29,388	68.2 %
HASSELL, SUNG A	430	213	10,465	762	217	11,801	50.5 %
BREEDEN, BRIANNA A	429	315	29,179	546	114	9,612	26.6 %
CRAWLEY, LUCILE A	428	361	102,814	3,697	67	19,593	15.7 %
BARON, ELTON A	423	189	10,487	1,033	234	14,351	55.3 %
BOLIN, MAXWELL A	413	167	16,523	1,556	246	25,009	59.6 %
SPEER, DINA A	400	207	25,424	2,215	193	26,090	48.3 %
ALVARADO, VINCENT A	389	66	4,736	930	323	25,297	83.0 %
FONTAINE, JACKSON A	364	288	34,198	434	76	9,070	20.9 %
CUMMINS, RODERICK A	355	53	5,213	1,288	302	35,673	85.1 %
CHILDRESS, JULIAN A	352	177	18,509	269	175	17,925	49.7 %
COLEY, RANDAL A	345	218	7,824	1,104	127	6,310	36.8 %

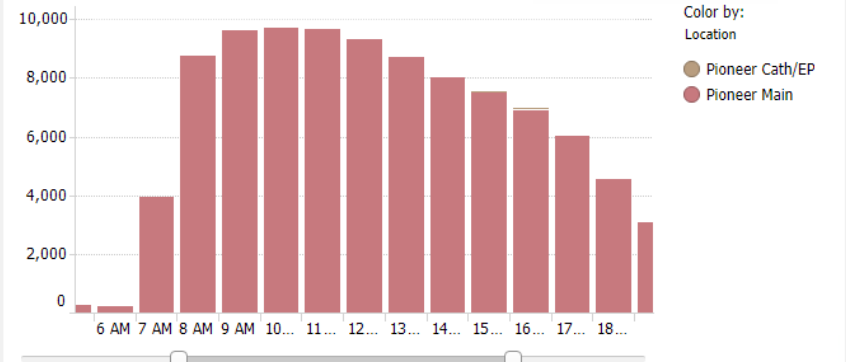
Surgeon Utilization Detail

Case ID	Room	Block Case Minutes	Block Case Minutes No Turnover	Out of Block Minutes	Out of Block Minutes No Turnover	Non Block Minutes	Non Block Minutes No Turnover
1011197293	PRM 0003	0	0	0	0	354	354
1018190738	PRM 0003	264	264	0	0	0	0
1019215459	PRM 0007	0	0	0	0	69	69
1020342893	PRM 0006	309	309	0	0	0	0
1025824875	PRM 0002	18	18	0	0	0	0
1026718665	PRM 0002	280	280	0	0	0	0
1035171281	PRM 0002	0	0	0	0	337	337
1051951918	PRM 0003	466	466	14	14	0	0
1053358834	PRM 0002	0	0	0	0	398	398
106082275	PRM 0007	563	563	0	0	0	0
1065041317	PRM 0006	373	373	1	1	0	0

Surgeon Utilization by Day of Week



Surgeon Utilization by Hour and Location



Prime Time Utilization



healthinsights.ai

Guide Your Analysis



Case Date Range:

10/01/2018 - 12/30/2020

Show Filter Settings

▸ Date Range

▸ Facility

▸ Location

▸ Week of Month

Filtering Scheme: Primetime Utilization

Primetime Utilization by Location

Pioneer Main

79.2 %
Utilization Rate

60.0 %
Target

Pioneer ASC

45.6 %
Utilization Rate

60.0 %
Target

Pioneer Endoscopy

30.3 %
Utilization Rate

60.0 %
Target

Pioneer Cath/EP

55.5 %
Utilization Rate

60.0 %
Target

Pioneer L&D

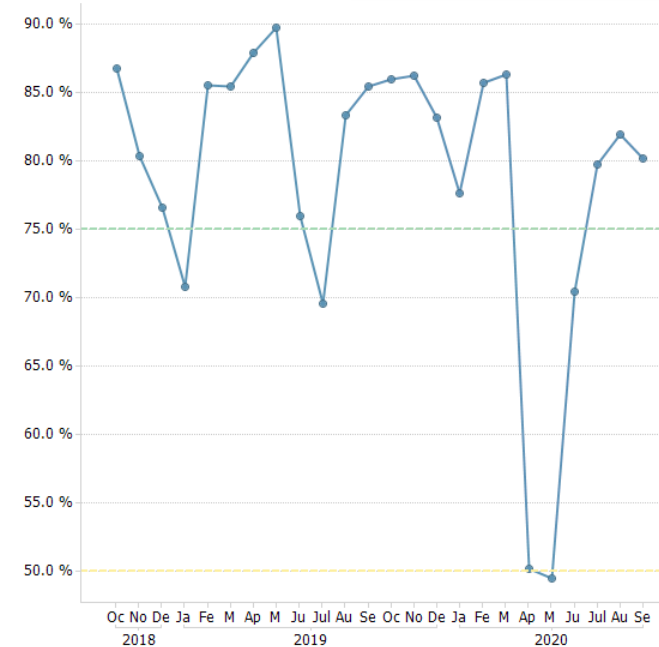
23.8 %
Utilization Rate

60.0 %
Target

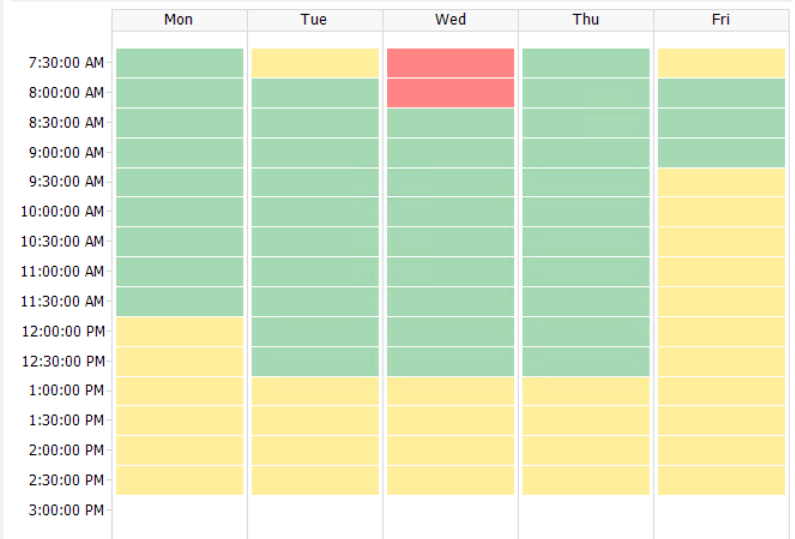
Primetime Utilization by Location

Location	Rooms	Used Time	Available Time	Utilization Rate
Pioneer Main	14	2,424,407	3,060,660	79.2 %
Pioneer Cath/EP	4	798,469	1,439,190	55.5 %
Pioneer ASC	4	648,576	1,423,080	45.6 %
Pioneer Endoscopy	5	324,898	1,074,000	30.3 %
Pioneer L&D	3	42,146	177,120	23.8 %
Grand total	14	4,238,496	7,174,050	59.1 %

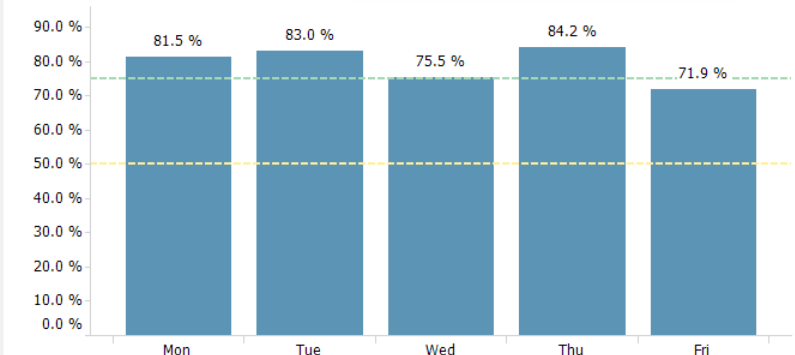
Primetime Utilization Rate Trend



Utilization Detail by Day of Week and Time of Day



Utilization by Day of Week



Add On / Same Day Add On Analysis

healthinsights.ai

Guide Your Analysis

i **↺** **↻**

Current Year: 10/2019 to 9/2020
 Prior Year: 10/2018 to 9/2019
 Case Date Range:
 10/01/2018 - 09/30/2020

Show Filter Settings

- › Date Range
- › Facility
- › Location
- › Procedure Service
- › Surgeon Specialty
- › Surgeon
- › Patient Type

Filtering Scheme: Surgical Cases

Same Day Statistics

22.1 % Add On Case Rate 21.6 % Prior Year	31.7 % Same Day Add On Rate 31.8 % Prior YTD	7.5 % Same Day Add On as % of All Cases 7.4 % Prior Year
--	---	---

Add On Case Volume by Surgery Day of Week

Day	Volume
Sun	1,318
Mon	3,672
Tue	2,487
Wed	2,326
Thu	2,193
Fri	2,766
Sat	1,188

Choose Metric of Interest: Surgeon

Add On Case Volume by Surgeon

Surgeon	Volume
RICE, STEPHEN A	1,051
EDWARD, LILLY A	
PEOPLES, OMAR A	
MORRISON, ROY A	862
HARLOW, CLEO A	
PLUMMER, KATRINA A	735
PIERCE, GARY A	
FALCON, RAE A	666
MORRISSEY, MARISA A	
BARON, ELTON A	
ROSENBERG, BENNY A	495
SAVAGE, MARIO A	

A background network diagram consisting of numerous nodes (dots) of varying sizes and colors (grey, white, dark grey) connected by thin, light grey lines. The nodes are distributed across the slide, with a denser cluster in the top left and another in the bottom right.

Customer Validation

About Saint Francis

- **Implementation Duration:** Four months
 - Cloud based implementations: 4 to 6 weeks
- **Deployment:** On-Prem
- **Number of Users:** 10
- **Next Steps:** Migrate them to cloud

- **Advantages of Cloud:**
 - Continuous updates
 - Centralized security
 - Uptime Commitments
 - Ability to add Queris



32 Operating Rooms



20,000 patients per year



2016 Healthgrades® Clinical Excellence™



Trinity Healthcare member

Surgery Insights Customer Success

- 25% improvement in first-case on-time starts
- 20% increase in Surgery block utilization
- \$450,000 estimated value of recaptured surgery time

“We use the Block Utilization Scorecards to identify opportunities to optimize surgical capacity. The reports are an invaluable management tool to quantify usage, encourage timely block release, and to help us to allocate time to new surgeons.”

– Meaghan McCoy, RN
Business Manager
Saint Francis Hospital

HealthInsights.ai – Scheduling Accuracy Data Science Function

Procedure Characteristics

- Planned Number of Procedures
- Laparoscopic or Not
- Anesthesia Type and Risk Class

Surgical Team Characteristics

- Surgery Team Size
- Surgeon's Estimate
- Surgeon Experience
- Anesthesiologists Experience

Patient Characteristics

- Patient Severity
- Patient Age
- Patient Gender
- Patient BMI
- Patient Previous Hospital Admissions
- Specific Patient Risk Factors



Block Forecasting

Practice Management

Surgeon: [Redacted]

Scheduled Cases

Account	Surgery Date	Location	Patient Type	Scheduled Start Time	Procedure Service	Procedure Description	Scheduled Case Duration
	3/1/2021	MP OR	OP	13:00	General	Mastectomy Bilateral	240
	3/1/2021	MP OR	OP	15:00	General	Breast Lumpectomy with Sentinel Node Bx	90
	3/2/2021	MP OR	OP	07:30	General	Mastectomy Bilateral	360
	3/2/2021	MP OR	OP	11:00	General	Breast Biopsy and/or Lumpectomy	60
	3/2/2021	MP OR	OP	13:30	General	Breast Biopsy and/or Lumpectomy	270
	3/2/2021	MP OR	OP	12:00	General	Breast Biopsy and/or Lumpectomy	60
	3/4/2021	BH OR	OP	12:30	General	Breast Biopsy and/or Lumpectomy	60
	3/4/2021	BH OR	OP	13:30	General	Breast Biopsy and/or Lumpectomy	60
	3/5/2021	MP OR	OP	11:00	General	Breast Lumpectomy with Sentinel Node Bx	90
	3/5/2021	MP OR	OP	09:30	General	Breast Lumpectomy with Sentinel Node Bx	90

Predicted Block Utilization Forecast

Predicted Util % per Block Name, Scheduled Surgery Date

Block Name	Scheduled Surgery Date	Predicted Util %
	3/8/2021	12 %
	3/15/2021	55 %
	3/9/2021	21 %
	3/18/2021	22 %

Hand-Held View

Surgeon: ALVARADO, VINCENT A **Date:** 2/5/2021

Scheduled Cases

MRN	Date	Room	Scheduled Start Time	Procedure Description
MRN230572331	2/15/2021	RASC 0001	9:03 AM	EXCISION, PILONIDAL CYST
MRN1254624592	2/15/2021	RASC 0002	9:41 AM	REPAIR, HERNIA, INGUINAL OR F...
MRN181906960	2/20/2021	RASC 0004	10:05 AM	BIOPSY OR EXCISION, LESION, L...
MRN472733592	2/27/2021	RASC 0003	8:15 AM	REPAIR, HERNIA, INGUINAL OR F...
MRN405072204	2/27/2021	RASC 0003	9:10 AM	CHOLECYSTECTOMY, LAPAROSCO...
MRN1829954679	2/27/2021	PRM 0012	12:45 PM	COLECTOMY, SIGMOID, LOW ANT...
MRN1680915053	3/5/2021	PRM 0007	9:00 AM	BIOPSY OR EXCISION, LESION, L...

Block Utilization Forecast & Release

Release Window

Date	Forecasted Block %
2/15/2021	27.3%
2/20/2021	21.2%

Release Remaining Time

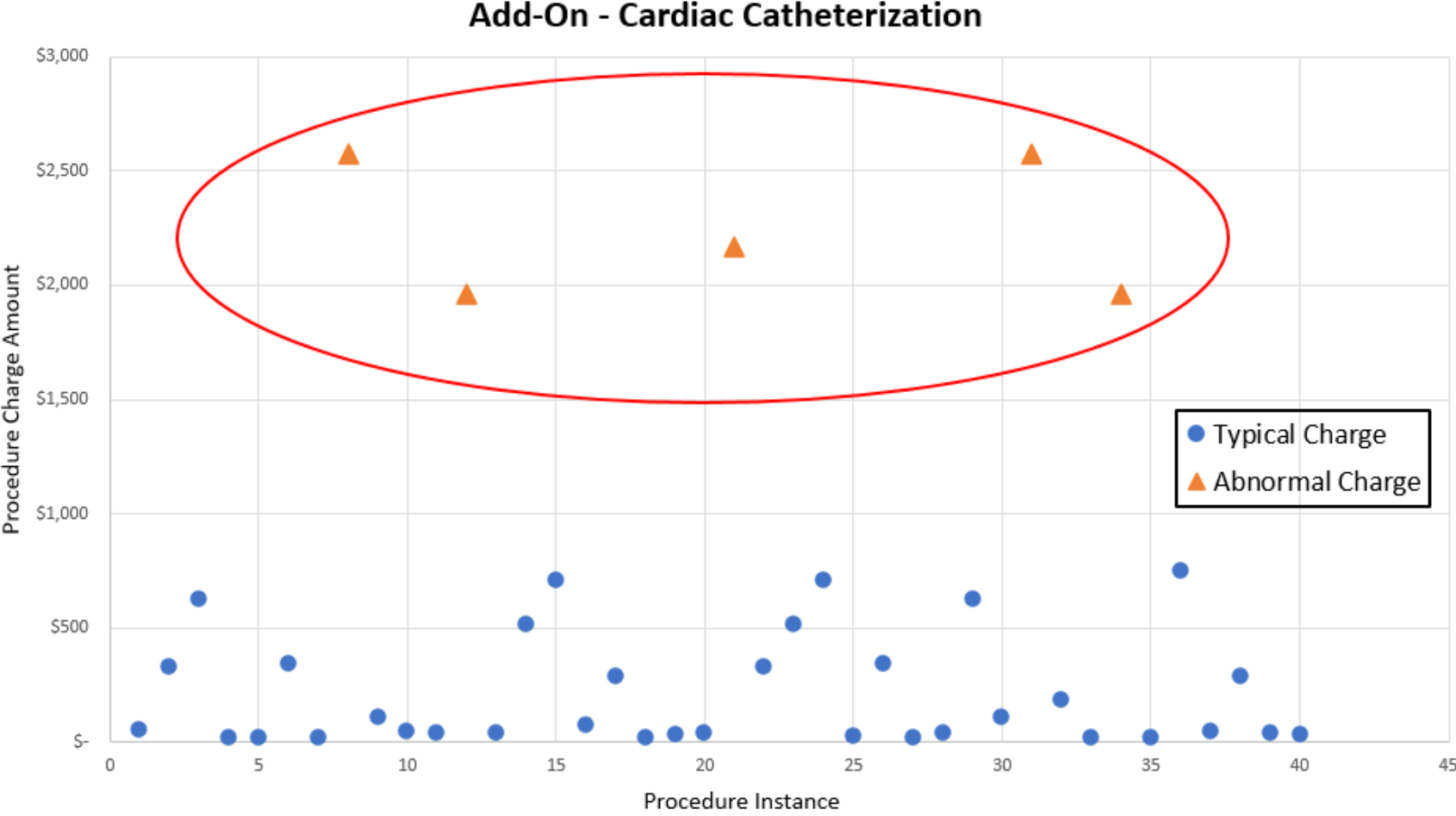
Block Utilization 2021: **71.9%** % Block Utilization

On Time Starts 2021: **100.0%** % First Case On Time Starts

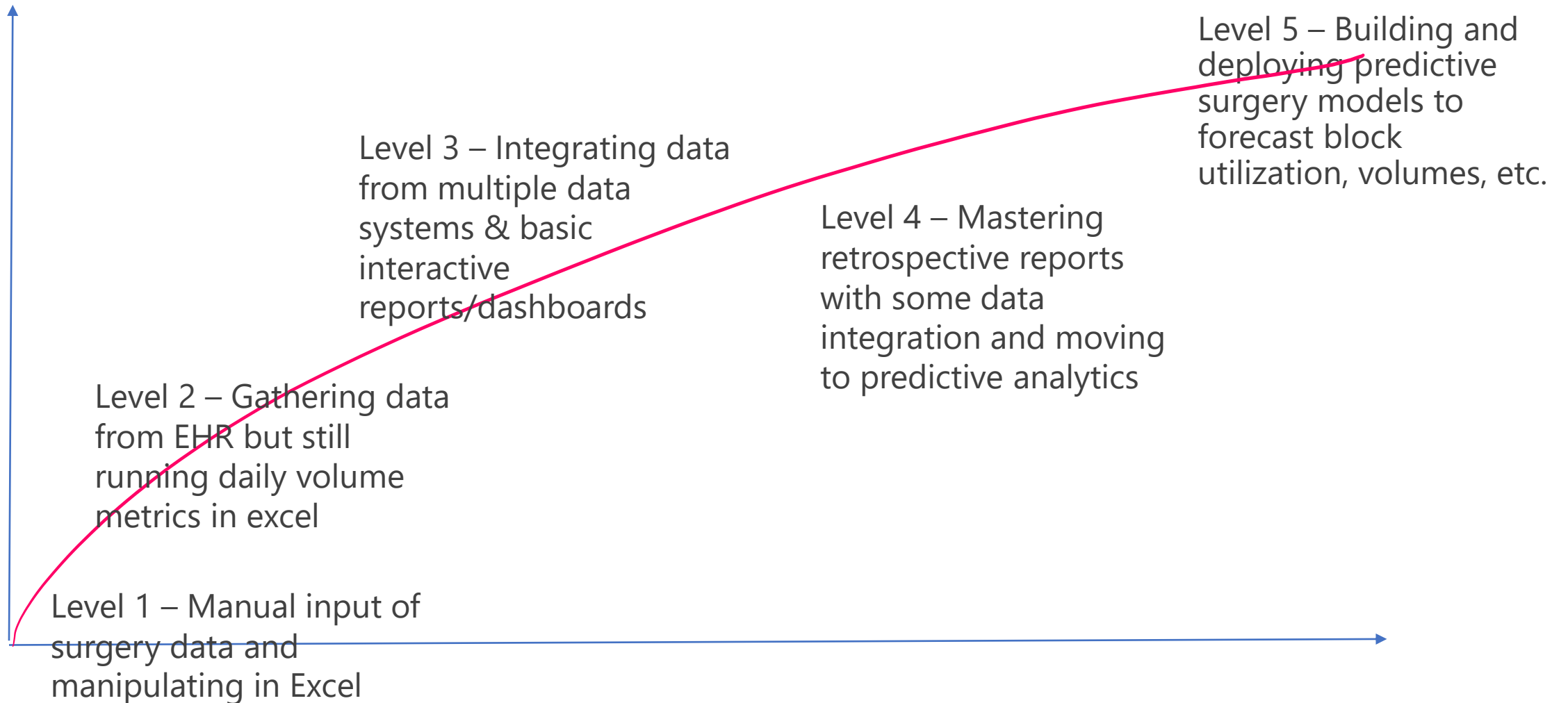
Scheduling Accuracy 2021: **40.9%** % Scheduling Accuracy

Documented Delays 2021: **2** Surgeon Delays

Anomaly Detection for Charges



Basic Assessment for your Surgery Analytics Maturity



A background network diagram consisting of numerous grey nodes connected by thin lines, forming a complex web-like structure. The nodes vary in size and are distributed across the slide, with a higher density in the top-left and bottom-right corners.

THANK YOU!

Click to add text

Questions & Answers

KEEP UP WITH US!



www.healthinsights.ai



[/healthinsights-ai/](https://www.linkedin.com/company/healthinsights-ai/)



[@HInsightsai](https://twitter.com/HInsightsai)



Shikha.Kashyap@healthinsights.ai

Ruben.Raposo@healthinsights.ai