



#### THE CUSTOMER

- The customer is a leading Florida(U.S) based hospice organization
- They provide expert 24x7 health care to people with a limited life expectancy

## THE CONTEXT

Customer had data in 3 different data sources. Using one of the data sources, i.e patient records data, they wanted to track patient census by using KPI's like daily census, patient days, length of stay, patient distribution by demographics etc. and wanted to update the numbers on at least a daily basis.

Also, using all the 3 data sources, i.e. patient records, payroll and accounting data, they wanted to produce key insights from the KPI's which would blend the fields from all data sources. Currently they were generating reports and insights manually using excel spreadsheets and crystal reports, but those were very lengthy and inefficient process, and required significant man hours.

## **KEY HIGHLIGHTS**



Streamlined the process starting from data extraction to dashboard refresh



Developed stored procedures for automatic refreshes of numbers



Developed dashboards with relevant KPI's and stunning visualizations



100% switch from manual intervention to automated refreshes

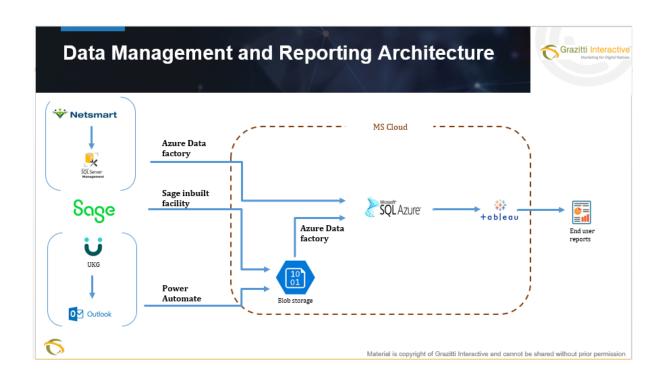
#### THE OBJECTIVE

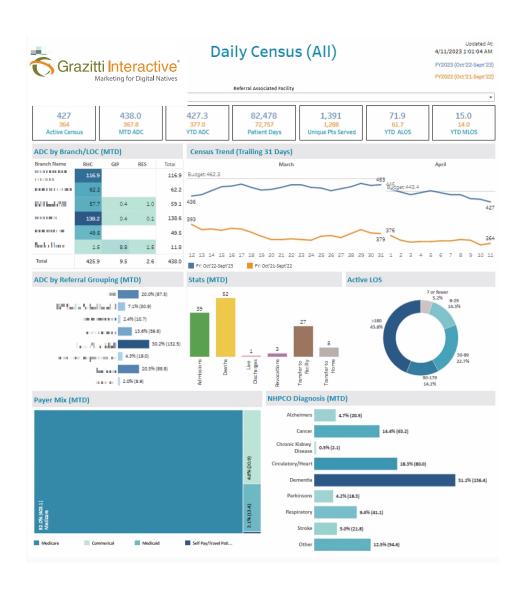
- Customer wanted to track daily census, month till date average length of stay, patient days etc. of all branches
- They were looking for a one stop platform to get insights from their patient data, payroll data and accounts data
- Currently they were generating reports and insights manually which was very lengthy, inefficient and required significant man hours
- They wanted to automate the whole process as much as possible

## THE SOLUTION

Census Dashboards

- Did data discovery of all 3 data sources and found relevant tables
- Connected the master table in Azure SQL Server with Tableau
- Built unique identifiers for all 3 datasets on the Azure SQL Server in order to have them related to each other
- Built a relationship between the 3 data sources on Tableau
- Found out ways to bring all relevant data into Azure SQL server by making pipelines and data flows using Azure data factory and power automate
- Developed a master table for patient data by merging the base tables using SQL query, and automated the query using Stored Procedure
- Set up email alerts system in case of a failure in any pipeline or refresh schedule
- Created dynamic and interactive dashboards, with capability of slicing the data using various dimensions and actions
- Automated the data flow process so as to update the numbers as required
- Built a relationship between the 3 data sources on Tableau



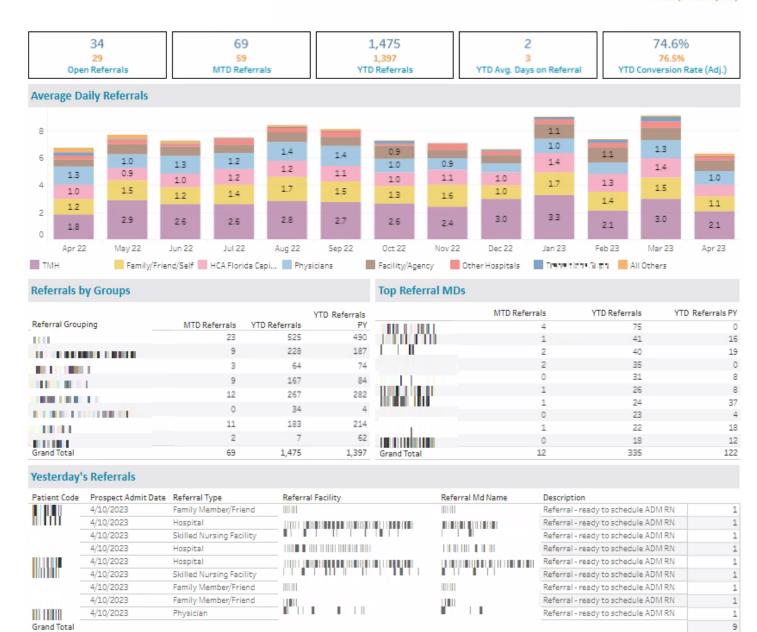




# Referrals

FY2023 (Oct'22-Sept'23)

FY2022 (Oct'21-Sept'22)





# Statement of Activities

for period ending March, 2023

Last Refresh Time 4/10/2023 2:30:27 AM

ocation Name Parent De		Parent Departmen	nt	Department Name	Le	evel of Care	Discipline		Period Ending	
(AII)	•	(Multiple values)	*	(All)	• (	All)	▼ (AII)		▼ March, 2023	
			CM	PM	Variance (#)	Variance (%)	CM	CM (PY)	Variance (#)	Variance (%)
EBITDA			(\$1,877,487)	(\$348,933)	-\$1,528,554▼	-438.1%▼	(\$1,877,487)	\$56,317	-\$1,933,804 ▼	-3433.8%
EBITDA %			5774.2%	-17.4%	-76.4%▼	-438.1%▼	5774.2%	2.8%	-97.4%▼	-3433.8%
Operating Margin			(\$1,877,361)	(\$398,343)	-\$1,479,018▼	-371.3%▼	(\$1,877,361)	(\$952)	-\$1,876,409 ▼	-197031.4%
Operating Margin %			5773.8%	-19.9%	-73.9%▼	-371.3%▼	5773.8%	0.0%	-94.5%▼	-197031.4%
Margin after Foundation F. (MAFF)			(\$1,410,999)	(\$304,065)	-\$1,106,935 ▼	-364.0% ▼	(\$1,410,999)	\$24,048	-\$1,435,047 ▼	-5967.5%
(MAFF) %			4339.5%	-15.2%	-55.3%▼	-364.0% ▼	4339.5%	1.2%	-72.3%▼	-5967.5%
Net Surplus/(Deficit)			(\$1,406,156)	(\$440,526)	-\$965,630 ₹	-219.2%▼	(\$1,406,156)	(\$59,920)	-\$1,346,237 ▼	-2246.7%
Net Surplus/(Deficit) %			4324.6%	-22.0%	-48.3%▼	-219.2%▼	4324.6%	-3.0%	-67.8%▼	-2246.7%
(\$2,033K)					The state of the s					\$2,65
Chart of A	Accounts									
Account Type Account Group 1			CM	PM	Variance (#)	Variance (%)	CM	CM (PY)	Variance (#)	Variance (%)
Revenue	Patient Revenue		\$10,723	\$2,028,045	-\$2,017,322 ▼	-99.5%▼	\$10,723	\$1,989,297	-\$1,978,574▼	-99.5%
	Physician Revenue		\$0	\$16,882	-\$16,882▼	-100.0% ▼	\$0	\$25,739	-\$25,739 ▼	-100.096
	Revenue Adjustments		(\$44,338)	(\$46,112)	+\$1,774 ▲	+3.896 ▲	(\$44,338)	(\$32,864)	-\$11,474▼	-34.996
	Transportation Revenue		\$1,100	\$1,652	-\$552▼	-33.4% ▼	\$1,100	\$2,475	-\$1,375 ▼	-55.696
	Total		(\$32,515)	\$2,000,467	-\$2,032,982 ▼	-101.6%▼	(\$32,515)	\$1,984,647	-\$2,017,162▼	-101.6%
Expenses	Salaries,Wages & Other Benefits		\$1,896,542	\$1,711,685	+\$184,857 ▲	+10.896 ▲	\$1,896,542	\$1,399,683	+\$496,859 ▲	+35.596
	Clinical Expenses		(\$139,560)	\$316,781	-\$456,341 ▼	-144.196▼	(\$139,560)	\$255,694	-\$395,254▼	-154.696
	Operating Expenses		\$87,990	\$320,934	-\$232,944 ▼	-72.696▼	\$87,990	\$272,953	-\$184,963▼	-67.896
	Depreciation Expen	se	(\$126)	\$49,410	-\$49,536 ▼	-100.396▼	(\$126)	\$57,269	-\$57,395▼	-100.296
	Total		\$1,844,846	\$2,398,810	-\$553,965 ▼		\$1,844,846	\$1,985,599	-\$140,753▼	-7.196
Foundation Funding	Foundation Funding		\$466,362	\$94,279	+\$372,083 ▲	+394.796 ▲	\$466,362	\$25,000	+\$441,362 ▲	+1765.496
	Total		\$466,362	\$94,279	+\$372,083 ▲	+394.7% ▲	\$466,362	\$25,000	+\$441,362 ▲	+1765.496
Others	Other (Revenue)/Ex	nancac	(\$4.843)	\$137,007	-\$141.850 ▼	-103.5% ▼	(\$4.843)	\$83,967	-\$88,810▼	-105.896

### THE OUTCOME

The customer was able to get rid of all the manually updated dashboards and reports which provided restricted insights and was cumbersome to operate. Instead, they now have automated tableau based dashboards with a variety of different visualizations and ability to drill down the charts using different filters and actions, thereby unlocking a whole new range of insights and ability to take better business decisions. Additionally, the whole process not only get updated on twice a daily basis for census dashboards and daily for combined data dashboards, it also has automated refreshes of numbers and an alert system has been put in place in case the numbers do not get refreshed on time.

## **REACH US AT**

(\$4,843)

## **CALL US AT**

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## **SCAN CODE**

(\$4,843)

