Q1 METRICS OVERVIEW

PATIENT HEALTH & DEMOGRAPHIC TRENDS

DATASOURCES

HELLO!

I'm **Prayuja Teli**

DATA ANALYST

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USECASE

DASHBOARD: METRICS, PATIENTHEALTH/DEMOGRAPHICS WITH HOSPITAL METRICS

Combining in-house patient data and external hospital readmission data will allow us to gain..

MEDICA GENERAL HOSPITAL NETWORK

PATIENT DATA

The Centers for Medicare and Medicaid Services penalizes hospitals that have an excess of readmissions within 30 days of discharge for specific diagnoses. To achieve our mission statement, "...to achieve excellent patient care and satisfaction", and to have a minimal pat..

CENTERS FOR MEDICARE & MEDICAID SERVICES

HOSPITAL READMISSION REDUCTION PROGRAM

The Centers for Medicare and Medicaid Services collects and publishes data from all hospitals nationwide. The data allows patients, physicians, and hospitals to inform themselves on the quality of care offered in each hospital around the country by measuring the amount of read..

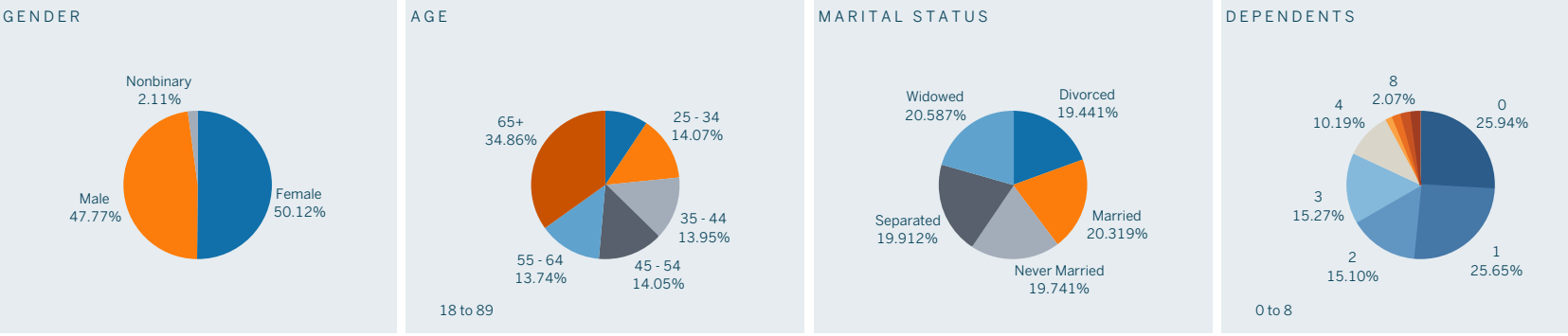**CMS Gov. |** M E T R I C S ,   P A T I E N T   H E A L T H   &   D E M O G R A P H I C S

Data.CMS.gov

Geographic Analysis

FILTERS

PATIENT STATUS
All

REGION
All

STATE
All

DEMOGRAPHIC OVERVIEW

GENDER

Nonbinary
2.11%

Male
47.77%

Female
50.12%

AGE

65+
34.86%

25 - 34
14.07%

35 - 44
13.95%

45 - 54
14.05%

55 - 64
13.74%

18 to 89

MARITAL STATUS

Widowed
20.587%

Divorced
19.441%

Separated
19.912%

Married
20.319%

Never Married
19.741%

DEPENDENTS

8
2.07%

4
10.19%

0
25.94%

3
15.27%

2
15.10%

1
25.65%

0 to 8

HEALTH OVERVIEW

MEDICAL CONDITIONS

Allergic Rhinitis
Anxiety
Arthritis
Asthma

METRICS OVERVIEW

NATIONAL READMISSION RATES
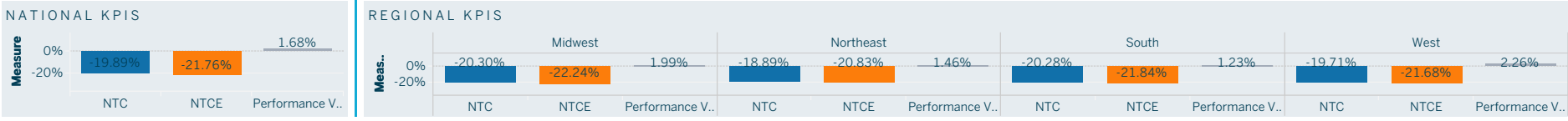
40%

36.66%

38.35%

20%

16.77%   16.58%

NATIONAL KPIS

0%

-10%
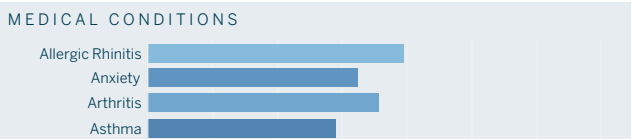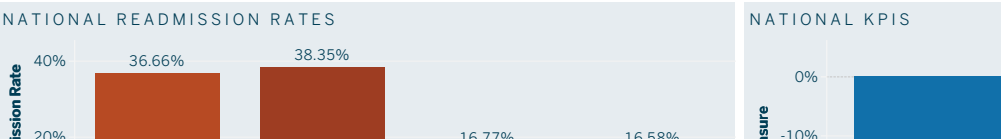
METRICS OVERVIEW

Q1, 2023 PERFORMANCE

	Midwest				Northeast				South				West			
R: 50%	37.12%	39.11%	16.82%	16.87%	35.79%	37.25%	16.90%	16.42%	37.23%	38.46%	16.95%	16.61%	35.71%	37.97%	16.00%	16.29%
	Q1 2023, Medica General	Expected, Medica General	Q1 2023, CMS Comp	Expected, CMS Comp	Q1 2023, Medica General	Expected, Medica General	Q1 2023, CMS Comp	Expected, CMS Comp	Q1 2023, Medica General	Expected, Medica General	Q1 2023, CMS Comp	Expected, CMS Comp	Q1 2023, Medica General	Expected, Medica General	Q1 2023, CMS Comp	Expected, CMS Comp

NOTE: Values for *Expected, Medica General* are the predicted readmissions using data from previous quarters on a logistic regression model.

PERFORMANCE METRICS

NATIONAL KPIS

Measure			
0% / -20%	-19.89%	-21.76%	1.68%
	NTC	NTCE	Performance V..

REGIONAL KPIS

Meas..	Midwest			Northeast			South			West		
0% / -20%	-20.30%	-22.24%	1.99%	-18.89%	-20.83%	1.46%	-20.28%	-21.84%	1.23%	-19.71%	-21.68%	2.26%
	NTC	NTCE	Performance V..	NTC	NTCE	Performance V..	NTC	NTCE	Performance V..	NTC	NTCE	Performance V..

METRIC CALCULATIONS

Performance Variance (Variance):

Expected Readmission Rate - Readmission Rate

NTC (Network-to-Comp) Score:

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KEY POINTS

- Overall, the performance variance was better than predicted. However, it was a negligible increase at 1.68%.

- Three of four regions performed better than expected, with an NTC Score less than the projected NTCE Score.
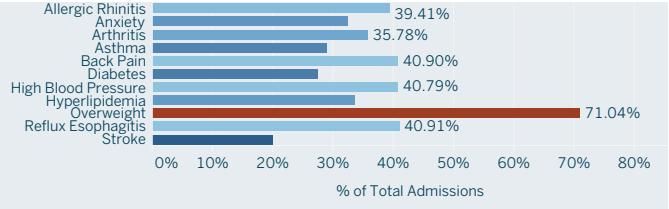..

ACTIONABLE INSIGHTS

- Investigate the factors contributing to the Northeast's strong performance by analyzing the strategies, practices, or market conditions that led to the Northeast achieving the highest NTC score.

- Identify areas for improvement in the South by examining the factors contributing to the South's worst performance variance and highest readmission rate...
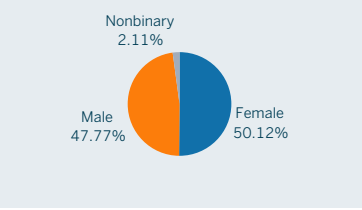
PATIENT HEALTH/DEMOGRAPHICS

NATIONAL AVERAGE

READMITTED PATIENTS

ATTRIBUTES
Gender:	Female	49.40%
Age:	65+ years	35.05%
Marital Status:	Widowed	21.19%
Dependents:	None	26.02%
Income:	$25K - $49K	36.04%
Area:	Urban	33.65%

INITIAL HOSPITALIZATION
Type:	Emergency	52.00%
Length:	64 Days	

ALL PATIENTS

ATTRIBUTES
Gender:	Female	50.12%
Age:	65+ years	34.86%
Marital Status:	Widowed	20.59%
Dependents:	None	29.95%
Income:	$25K - $49K	36.36%
Area:	Rural	33.68%

INITIAL HOSPITALIZATION
Type:	Emergency	50.63%
Length:	34 Days	

MEDICAL CONDITIONS

Condition	% of Total Admissions
Allergic Rhinitis	39.41%
Anxiety	
Arthritis	35.78%
Asthma	
Back Pain	40.90%
Diabetes	
High Blood Pressure	40.79%
Hyperlipidemia	
Overweight	71.04%
Reflux Esophagitis	40.91%
Stroke	

GENDER
- Nonbinary 2.11%
- Male 47.77%
- Female 50.12%

AGE
- 65+ 34.86%
- 25 - 34 14.07%
- 45 - 54 14.05%
- 55 - 64 13.74%

MARITAL STATUS
- Widowed 20.587%
- Divorced 19.441%
- Married 20.319%
- Never Married 19.741%
- Separated 19.912%

DEPENDENTS
- 4: 10.19%
- 0: 25.94%
- 1: 25.65%
- 2: 15.10%
- 3: 15.27%

INCOME
- $100K - $124K 2.81%
- $0 - $24K 35.49%
- $25K - $49K 36.36%

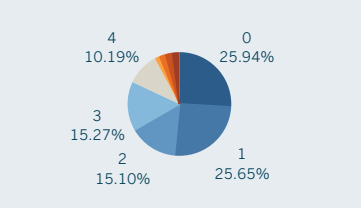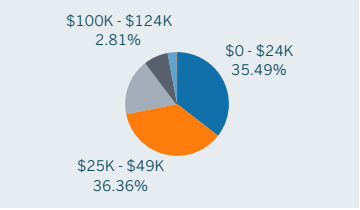## KEY POINTS
During their initial hospitalization, the average patient:

ACTIONABLE INSIGHTS
options to address potential deficiencies that may contribute to overall patient health and recovery.

THANK YOU