

StrataSphere®
Research Report:

National Patient and Procedure Volume Tracker™

Monthly Update 5/31/2024

All patient type volumes increased compared to May 2023 at the national level, and only outpatient (OP) visits decreased compared to April 2024. Inpatient (IP) admissions showed the highest growth compared to the prior year, with the Midwest leading the way from a regional perspective (sections 1.1-1.2). May 2024 also marked the highest monthly level for IP admissions throughout the reporting period (section 2.2). Outpatient (OP) visits nearly reached a new high as well, trailing only April 2024 (section 2.5). When interpreting the values in this report, please note that they are unaffected by recent industry disruption in claims processing as Strata’s data is not dependent upon billing status.

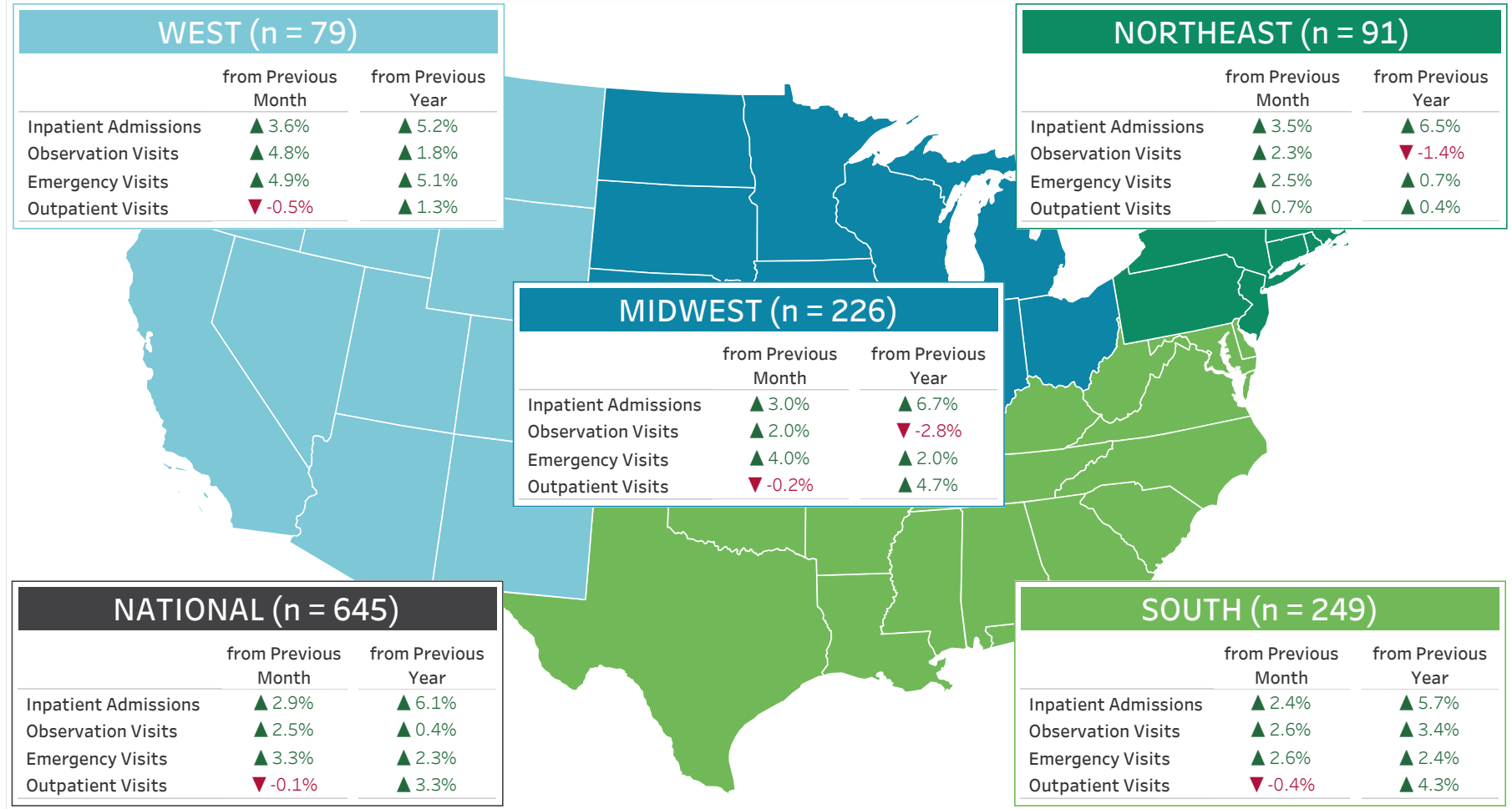
All hospital service lines increased compared to April 2023, with the majority also increasing compared to March 2024. Of those that decreased, the Infectious Disease service line had the largest drop at 15.9% compared to the prior month. Physician evaluation & management visits showed very similar trends with the exception of Genetics decreasing compared to the previous year (sections 6.1-6.2). On the procedure side, only IP knee replacements decreased versus the prior year and CT scans declined versus the prior month. All other reported procedures increased compared to both the prior year and the prior month (section 4).

Contrary to the adult population, most patient type volumes within children’s hospitals decreased compared to both the prior year and the prior month. IP admissions were the only exception, showing an increase in both comparison periods (section 5.1). From a year-to-date (YTD) perspective, emergency (ED) visits have the highest growth compared to last year, with May being the only month to fall below 2023 levels (section 5.4).

This report includes data from 124 health systems and 645 hospitals. Compared to last month, we have added 3 health systems and 14 hospitals (including 1 children’s hospital). We also removed 1 health system and 15 hospitals. The breakdowns by U.S. Census Region and Division are shown on the next two pages.










Starting in July 2024, StrataSphere subscribers will get exclusive early access to our most current StrataSphere data. This data will be available to subscribers the second to last Wednesday of each month. Corresponding with this change, publication of the National Patient and Procedure Volume Tracker report will move to the last Monday of the month. To learn more about becoming a subscriber, email us at info@stratadecision.com.

Section 1.1 Monthly National and Regional Volume Changes
Data as of 5/31/2024



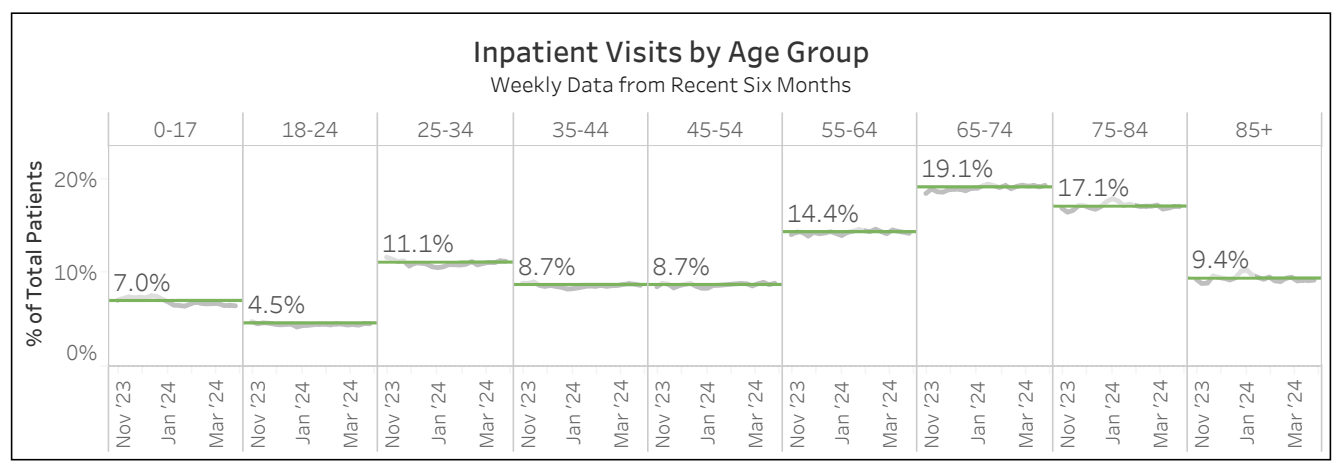
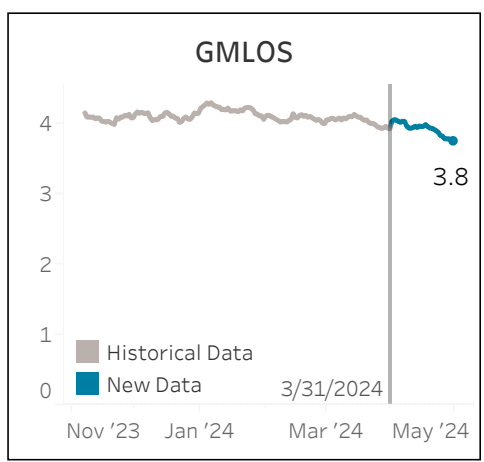
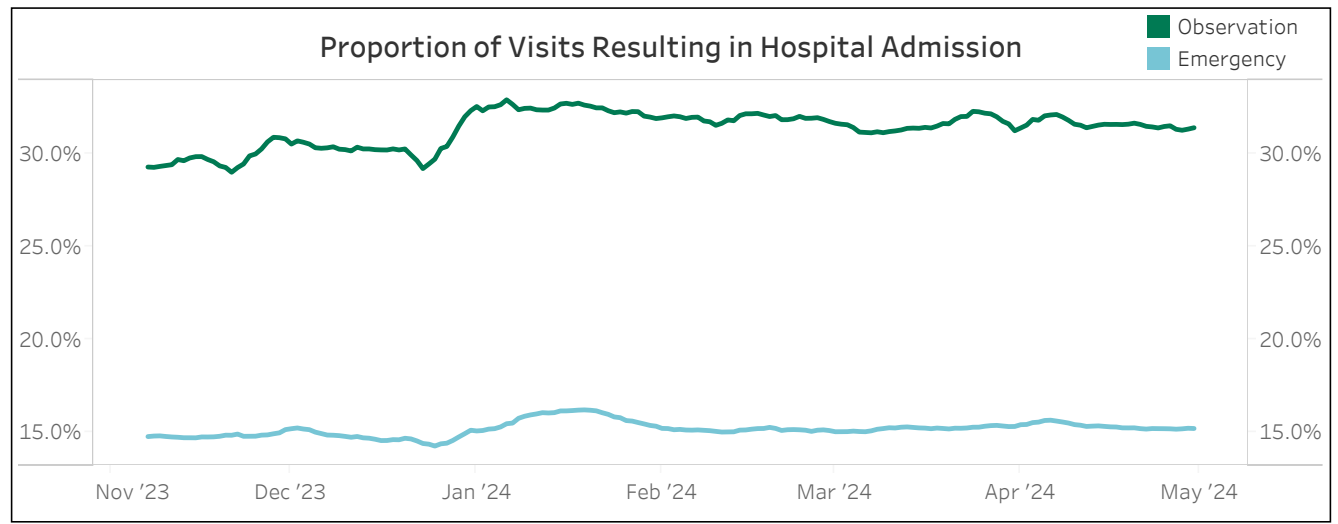
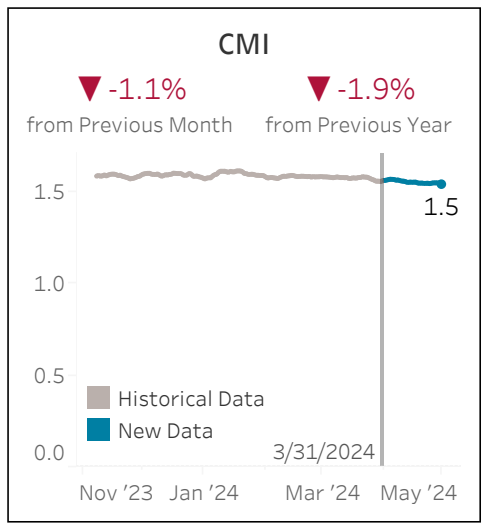
Section 1.2 Monthly Census Division Volume Changes

Data as of 5/31/2024

	Inpatient Admissions		Observation Visits		Emergency Visits		Outpatient Visits	
	from Previous Month	from Previous Year	from Previous Month	from Previous Year	from Previous Month	from Previous Year	from Previous Month	from Previous Year
 Pacific (n = 34)	▲ 4.3%	▲ 6.6%	▲ 4.7%	▲ 8.4%	▲ 5.7%	▲ 8.3%	▼ -0.1%	▲ 3.0%
 Mountain (n = 45)	▲ 2.8%	▲ 3.7%	▲ 5.0%	▼ -4.6%	▲ 3.9%	▲ 1.4%	▼ -0.9%	▲ 0.0%
 West North Central (n = 65)	▲ 4.5%	▲ 8.8%	▲ 4.4%	▲ 0.6%	▲ 5.2%	▲ 4.1%	▼ -0.8%	▲ 5.2%
 East North Central (n = 161)	▲ 2.5%	▲ 6.0%	▲ 1.4%	▼ -3.7%	▲ 3.7%	▲ 1.4%	▲ 0.1%	▲ 4.4%
 West South Central (n = 91)	▲ 1.8%	▲ 4.6%	▲ 3.1%	▲ 6.0%	▲ 3.5%	▲ 3.0%	▼ -1.3%	▲ 3.4%
 East South Central (n = 41)	▲ 3.9%	▲ 4.2%	▲ 4.1%	▲ 9.9%	▲ 2.5%	▲ 2.6%	▲ 0.4%	▲ 4.1%
 South Atlantic (n = 117)	▲ 2.4%	▲ 6.9%	▲ 1.7%	▼ -0.3%	▲ 2.1%	▲ 2.0%	▼ -0.1%	▲ 4.8%
 Middle Atlantic (n = 59)	▲ 2.6%	▲ 3.2%	▲ 1.4%	▲ 2.8%	▲ 1.6%	▲ 0.1%	▲ 0.3%	▲ 1.2%
 New England (n = 32)	▲ 5.3%	▲ 12.9%	▲ 3.3%	▼ -6.2%	▲ 4.0%	▲ 1.6%	▲ 1.4%	▼ -0.7%

Section 2.1 Inpatient Metrics

Data as of 4/30/2024



Section 2.2 **Inpatient Admissions**
Data as of 5/31/2024

2022 2024
2023

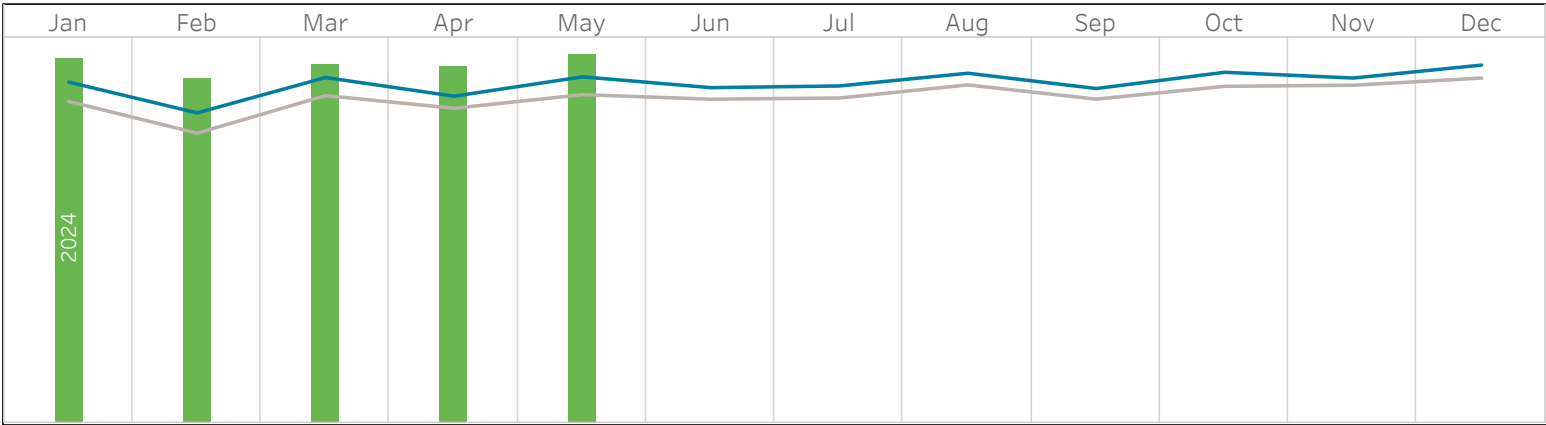
**2024
YTD Volumes**

▲ **7.2%**
from 2023
(n = 645)

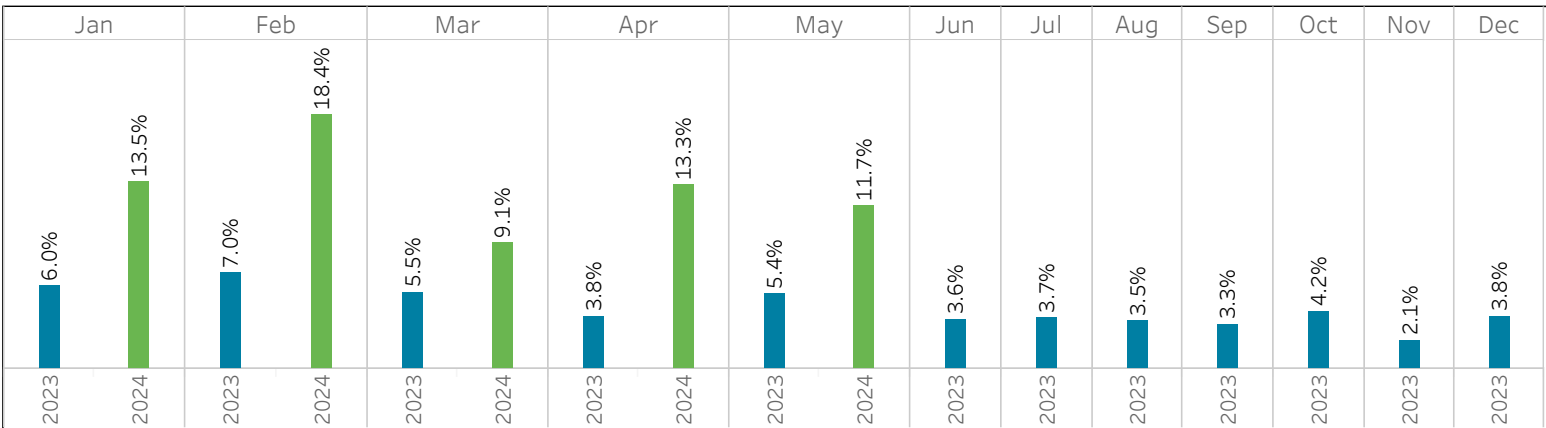
▲ **13.1%**
from 2022
(n = 627)

▲ **10.8%**
from 2021
(n = 608)

Monthly Volumes



Monthly Volume Changes Compared to 2022



Section 2.3 **Observation Visits**
Data as of 5/31/2024

2022 2024
2023

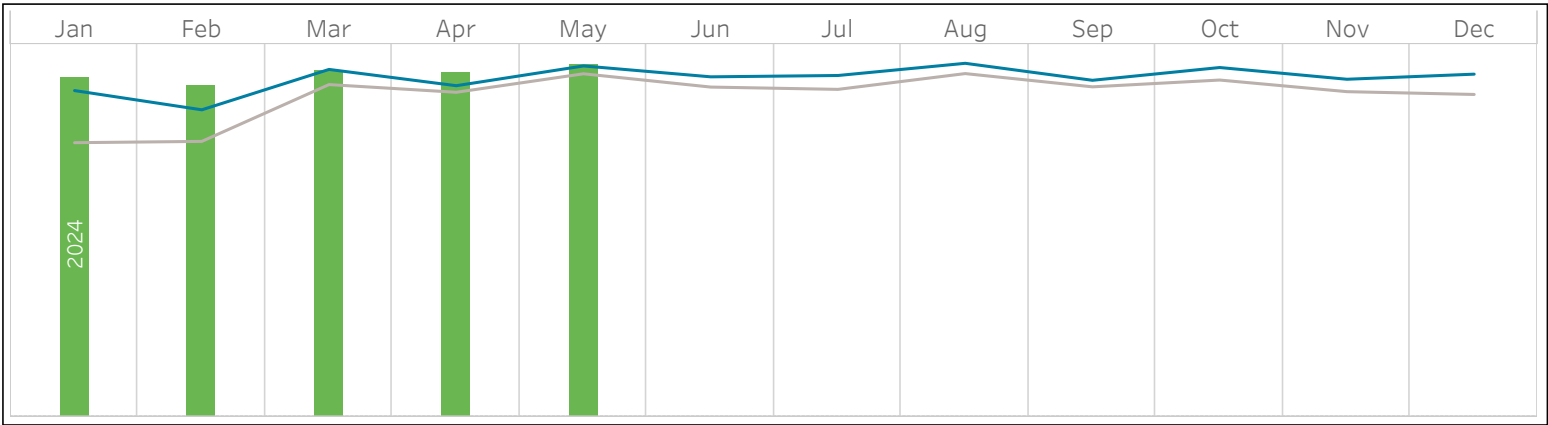
**2024
YTD Volumes**

▲ **2.9%**
from 2023
(n = 645)

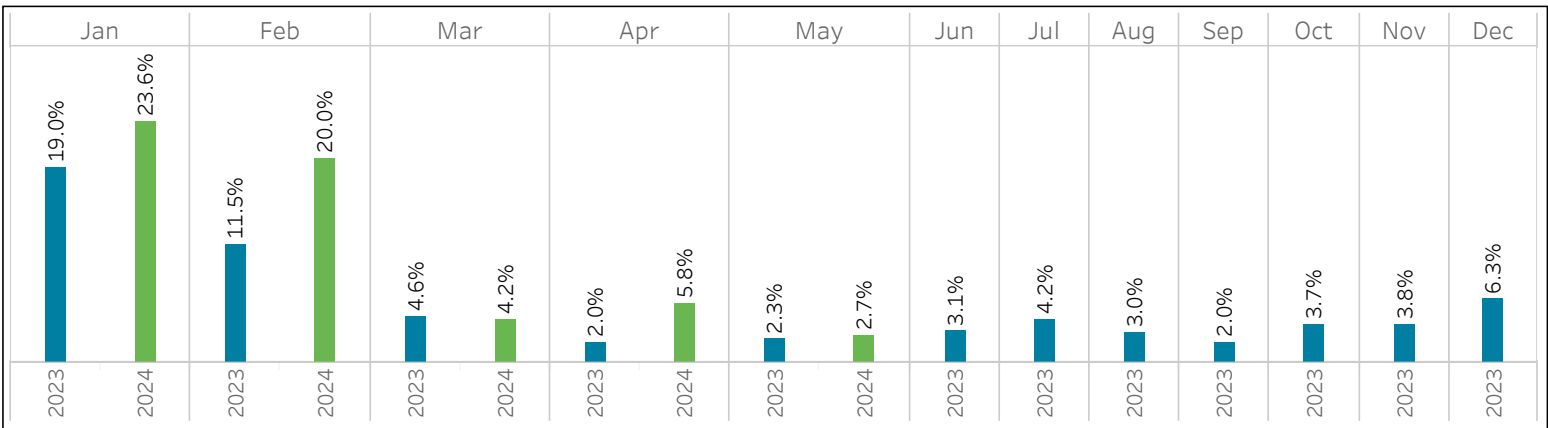
▲ **10.4%**
from 2022
(n = 627)

▲ **12.1%**
from 2021
(n = 608)

Monthly Volumes



Monthly Volume Changes Compared to 2022



Section 2.4 **Emergency Visits**
Data as of 5/31/2024

2022 2023 2024

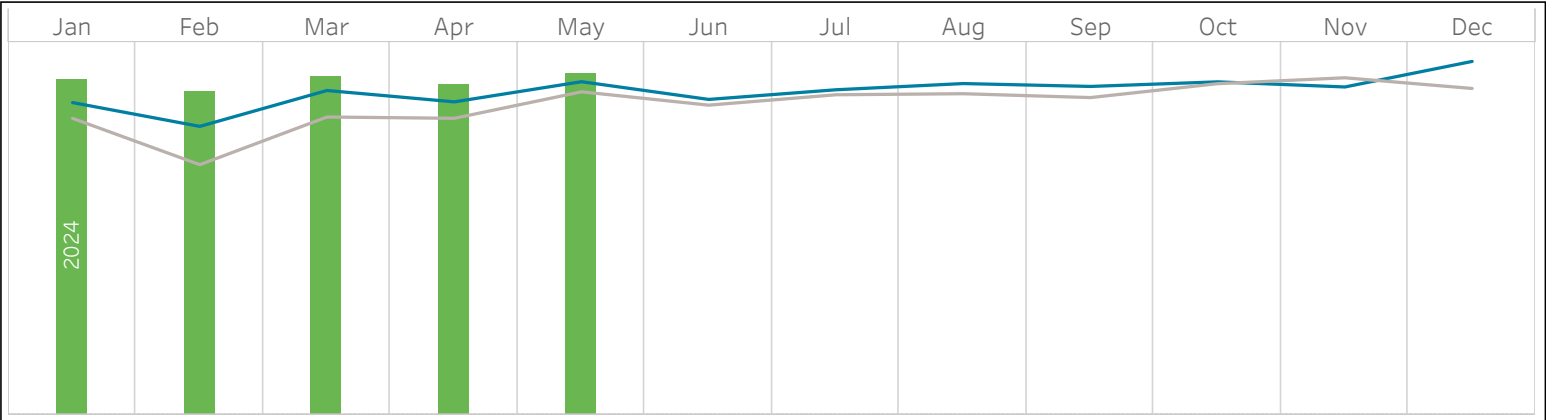
2024 YTD Volumes

▲ **5.9%**
from 2023
(n = 645)

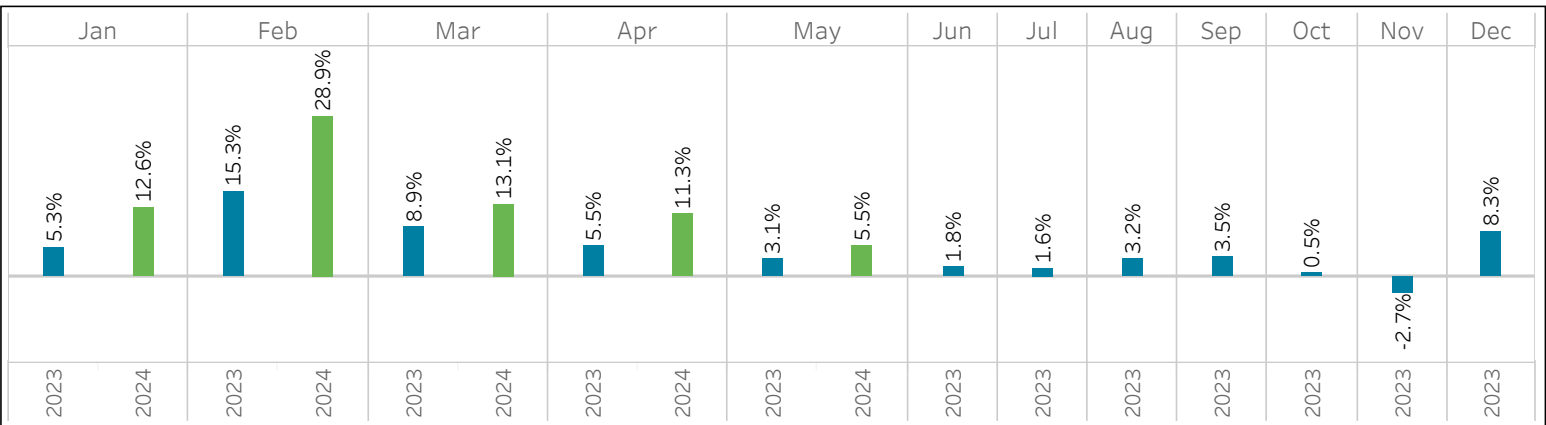
▲ **13.7%**
from 2022
(n = 627)

▲ **23.3%**
from 2021
(n = 608)

Monthly Volumes



Monthly Volume Changes Compared to 2022



Section 2.5 **Outpatient Visits** 2022 2023 2024
 Data as of 5/31/2024

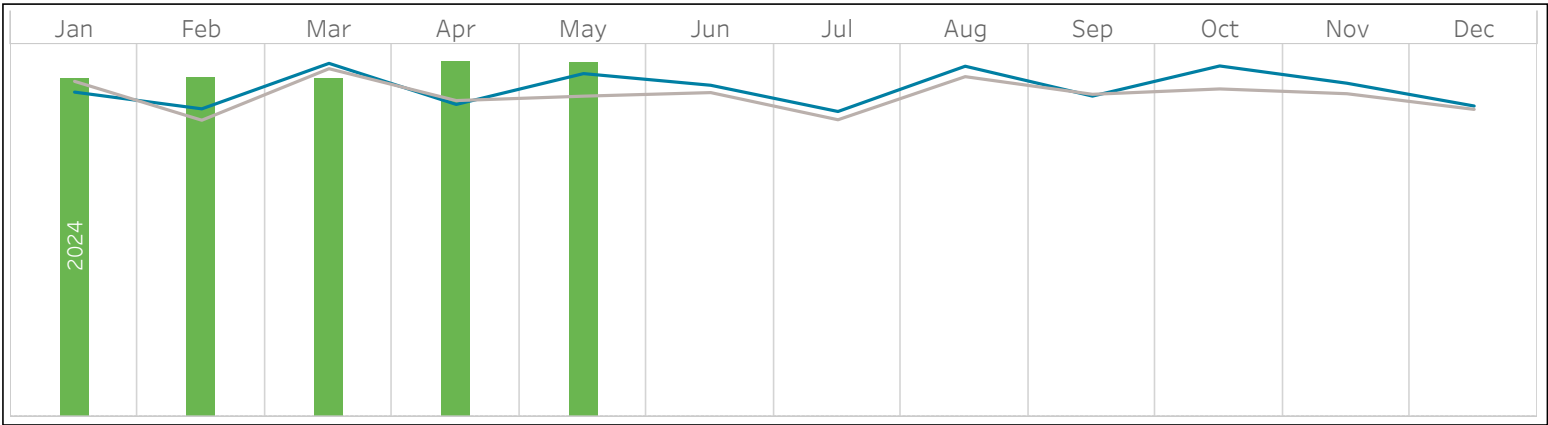
2024 YTD Volumes

▲ **5.1%**
from 2023
(n = 645)

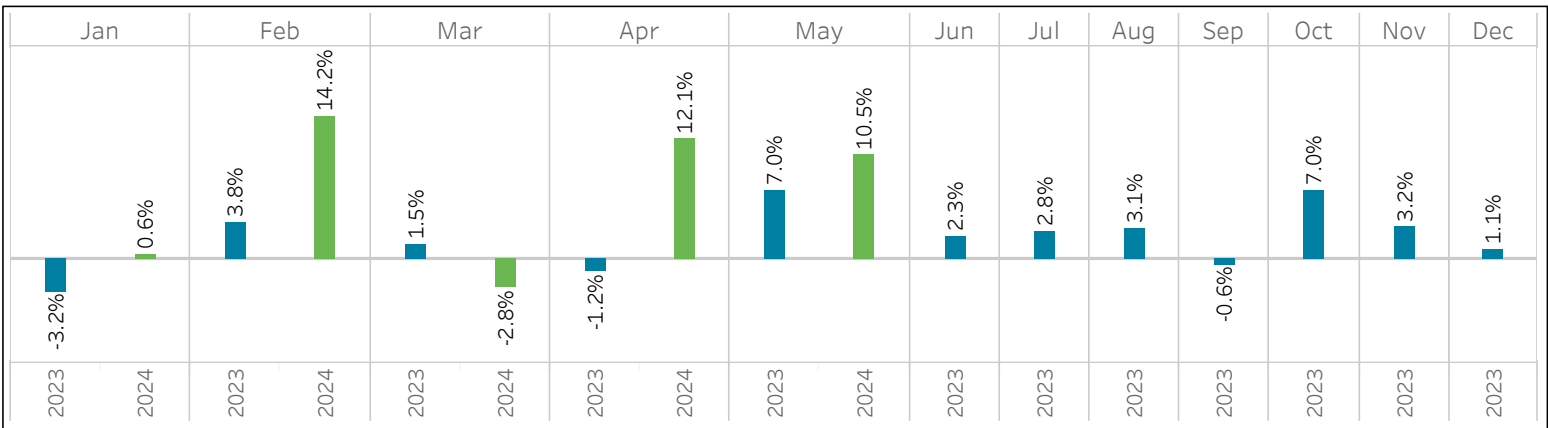
▲ **6.6%**
from 2022
(n = 627)

▼ **-0.8%**
from 2021
(n = 608)

Monthly Volumes

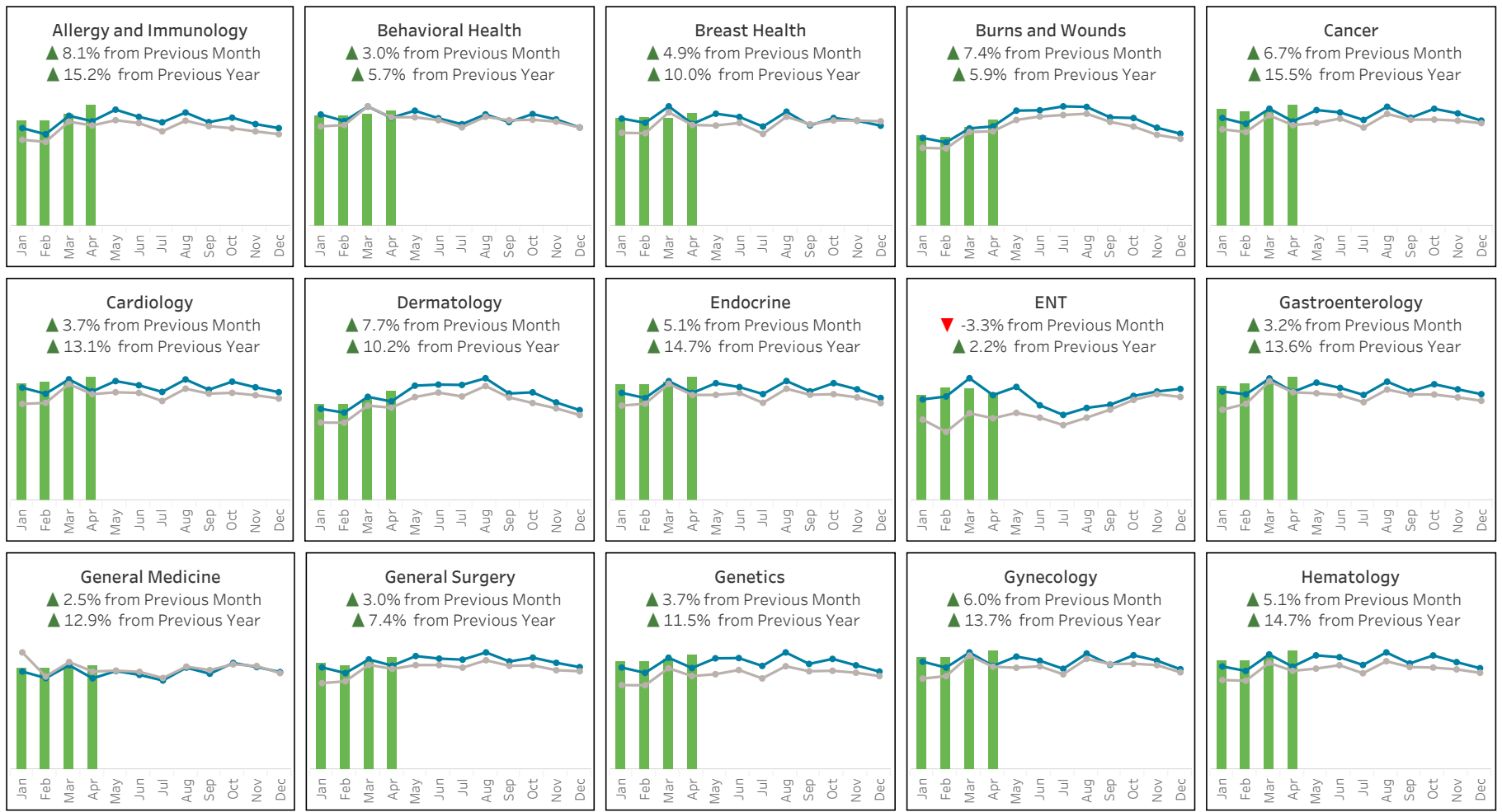


Monthly Volume Changes Compared to 2022



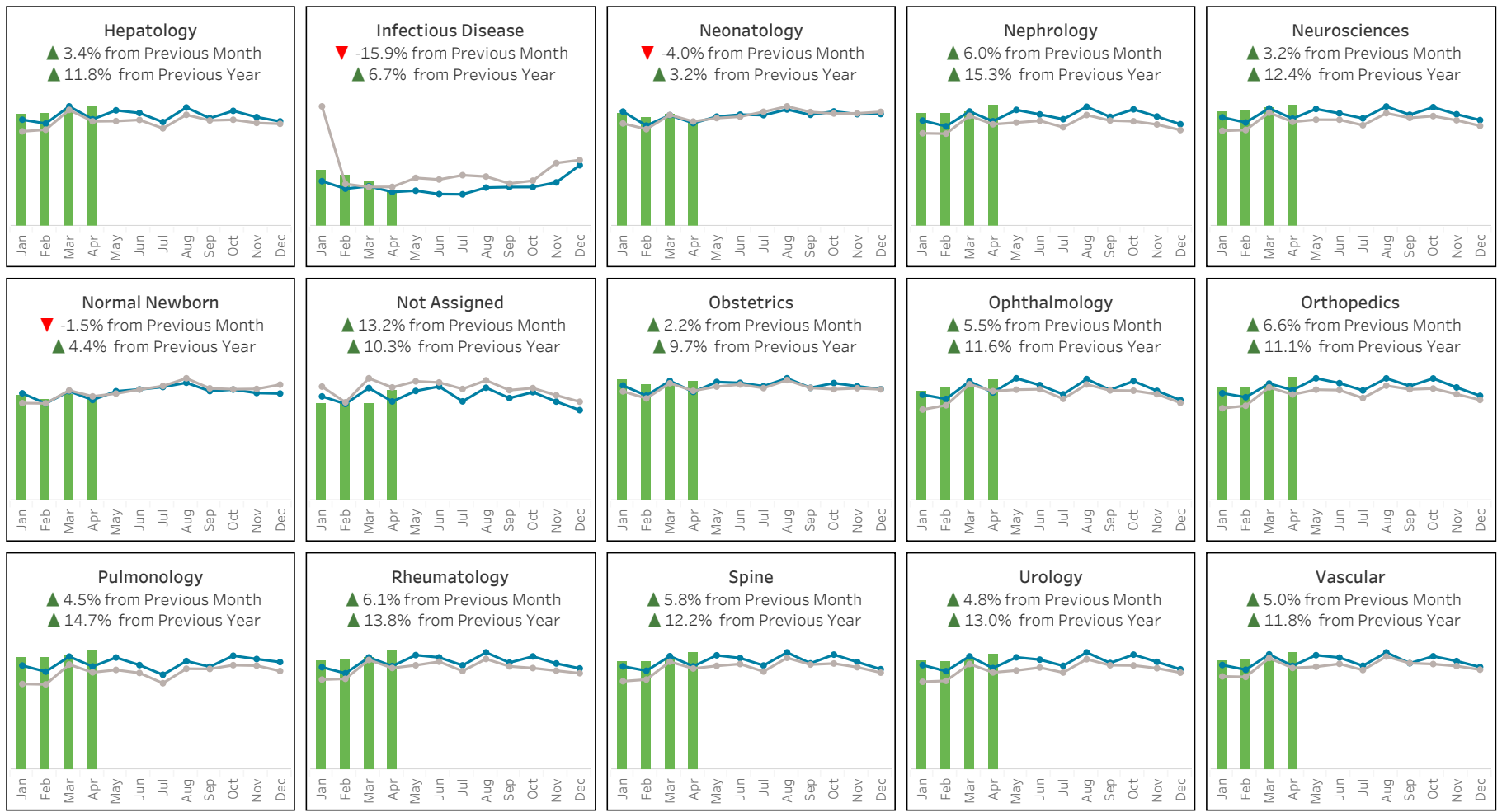
Section 3.1 National Volume Changes by Service Line (IP & OP)
 Data as of 4/30/2024

2022 2023 2024



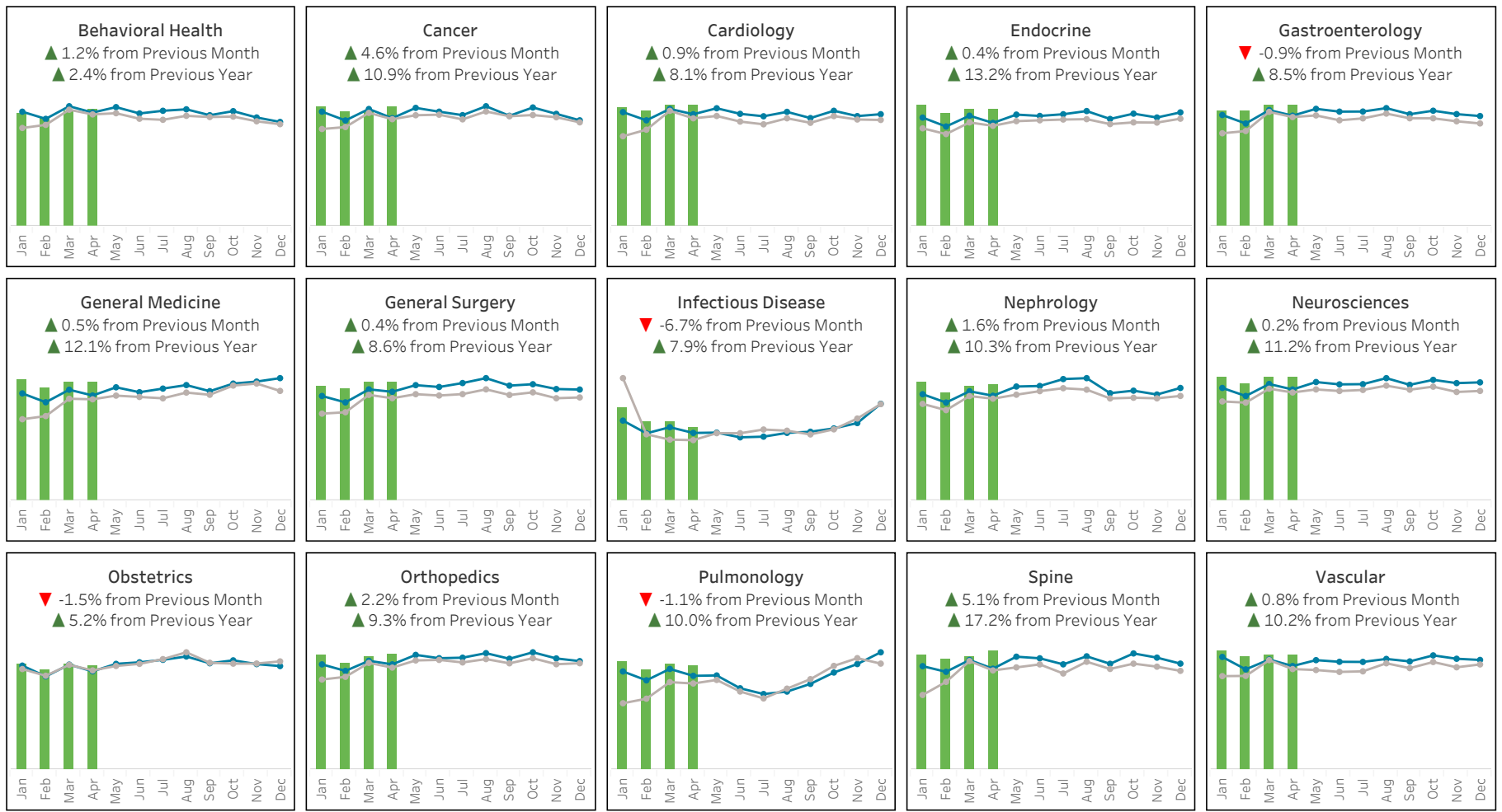
Section 3.2 National Volume Changes by Service Line (IP & OP) Data as of 4/30/2024

2022 2023 2024



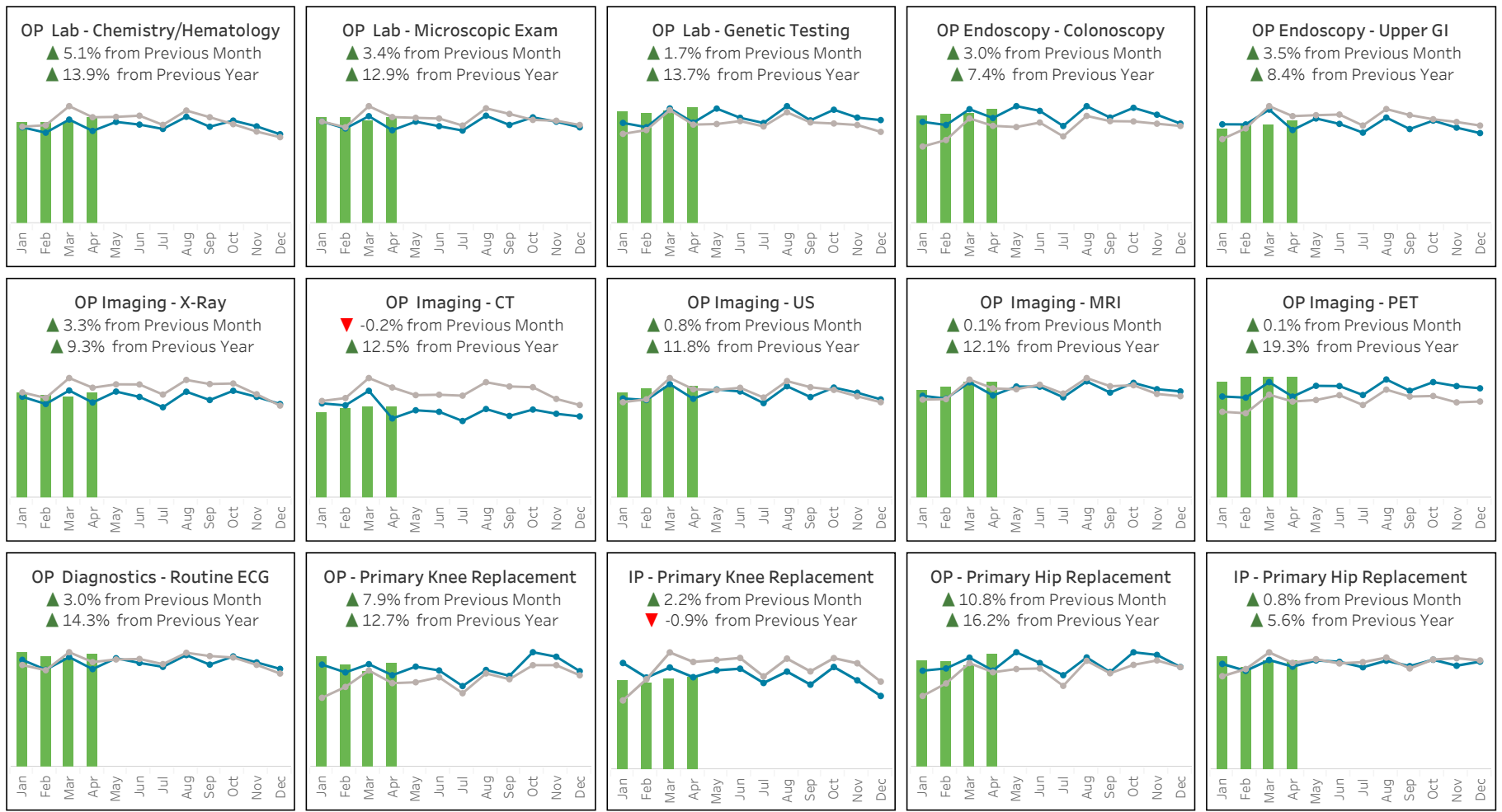
Section 3.3 National Volume Changes by Service Line (IP Only)
 Data as of 4/30/2024

2022 2023 2024

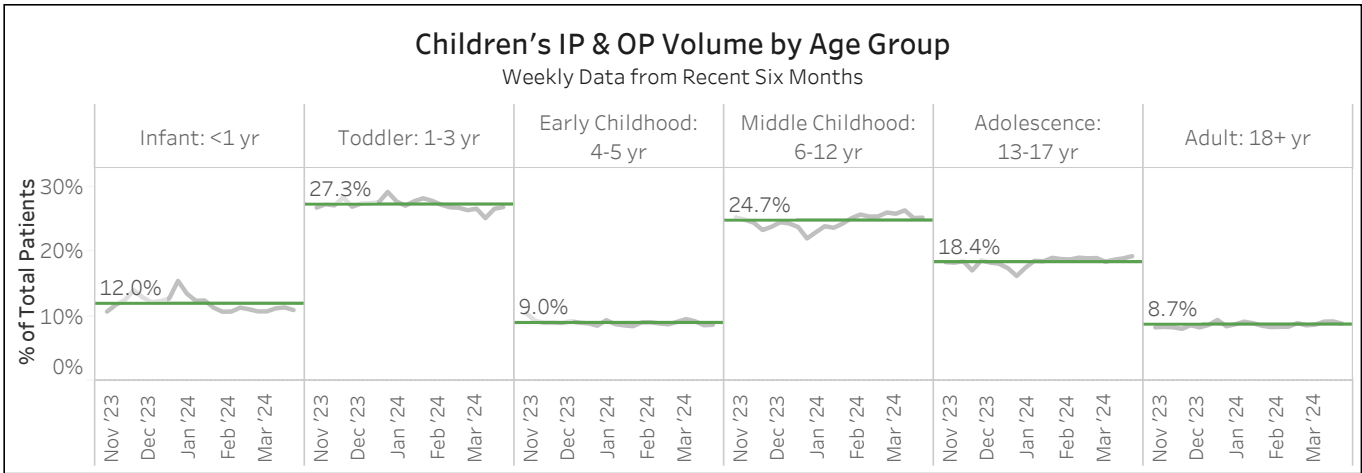
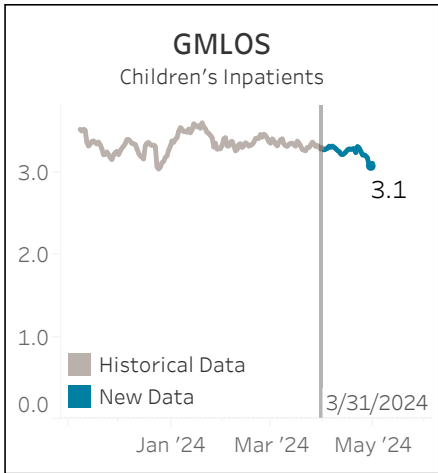
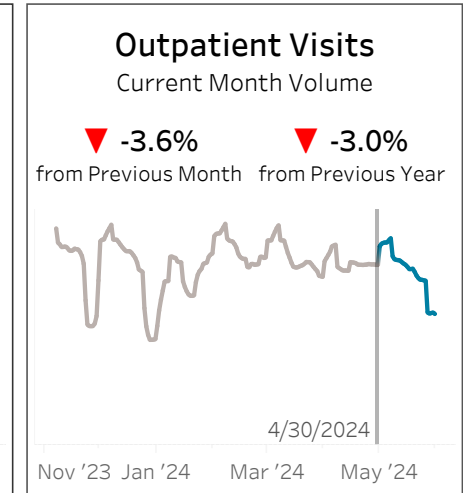
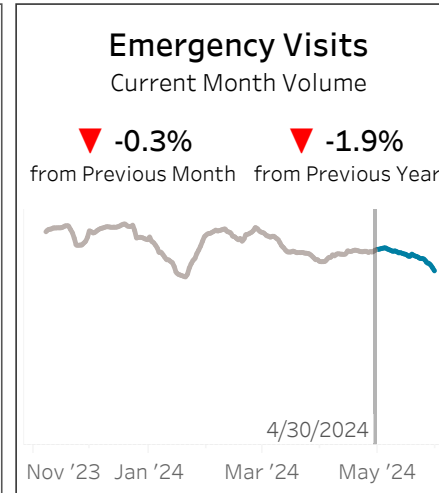
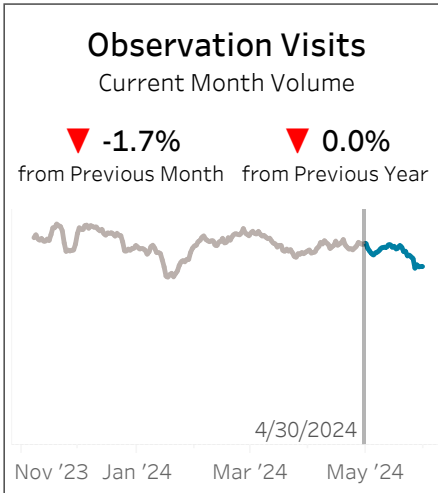
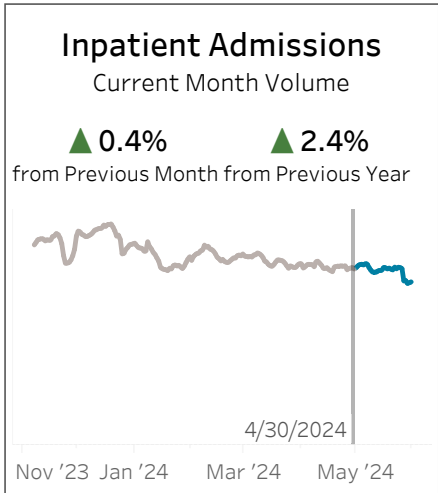


Section 4 National Volume Changes by Procedure Type Data as of 4/30/2024

2022 2023 2024



Section 5.1 **Children's Hospitals Recent Volume Changes** Childrens Hospital 20
 Data as of 5/31/2024 Historical Data New Data



Section 5.2 **Children's Hospitals Inpatient Admissions** Childrens Hospital
20

Data as of 5/31/2024

2022 2024
2023

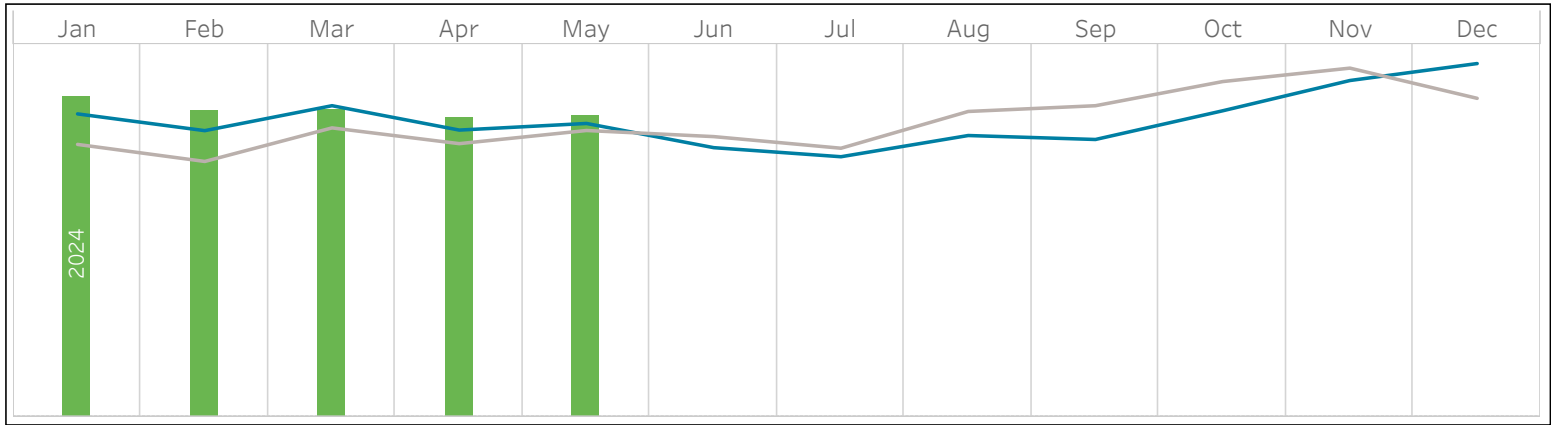
**2024
YTD Volumes**

▲ 3.6%
from 2023
(n = 20)

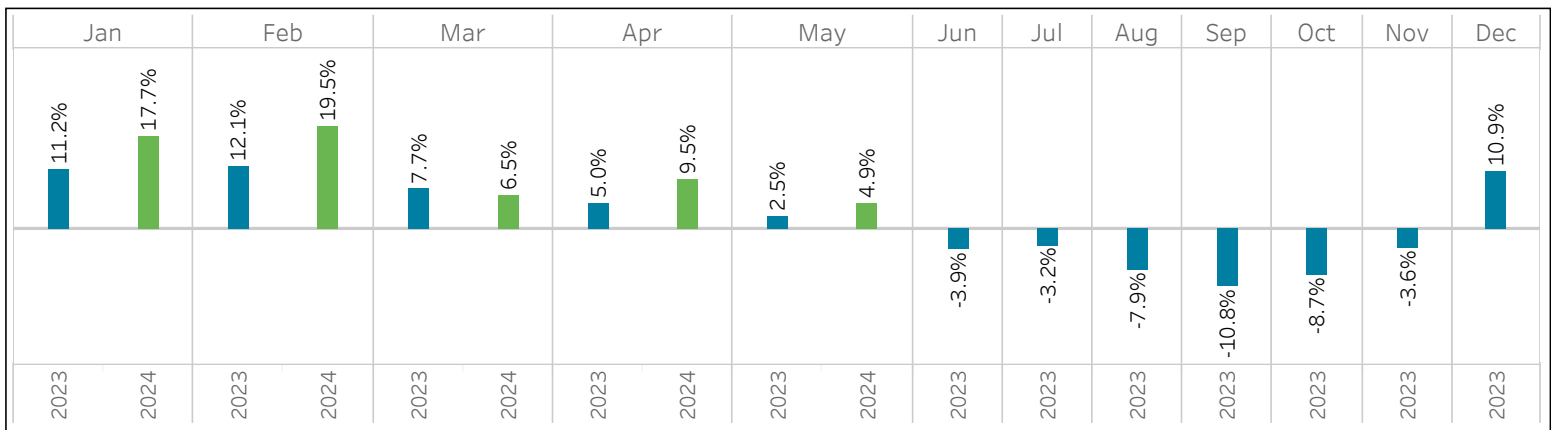
▲ 11.4%
from 2022
(n = 20)

▲ 27.1%
from 2021
(n = 20)

Monthly Volumes



Monthly Volume Changes Compared to 2022



Section 5.3 Children's Hospitals Observation Visits
 Data as of 5/31/2024
 Childrens Hospital 20
 2022 2023 2024

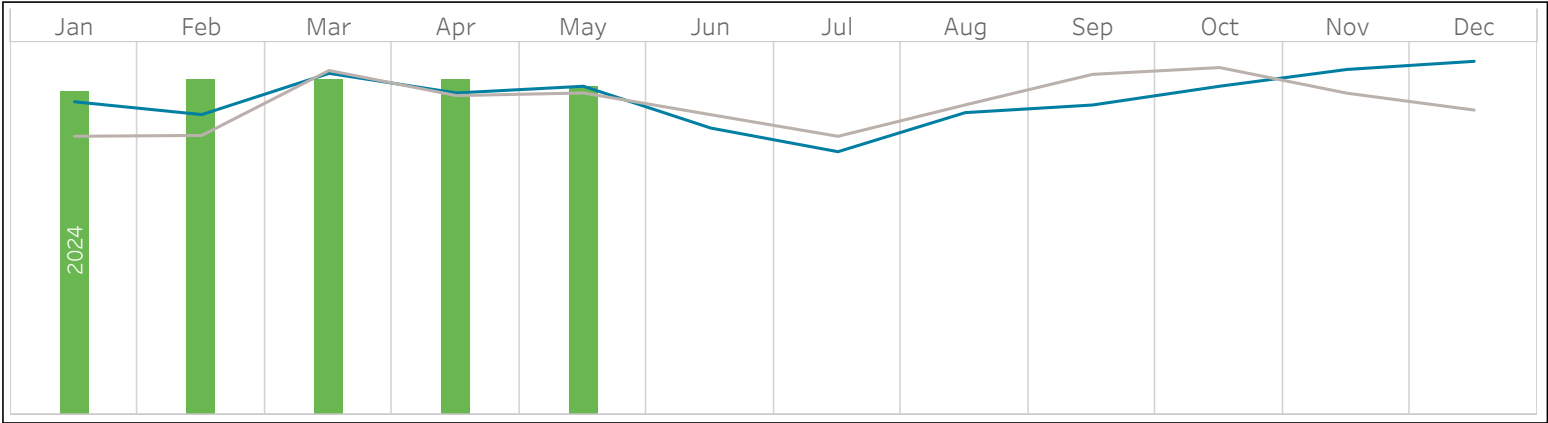
2024
YTD Volumes

▲ 3.0%
from 2023
(n = 20)

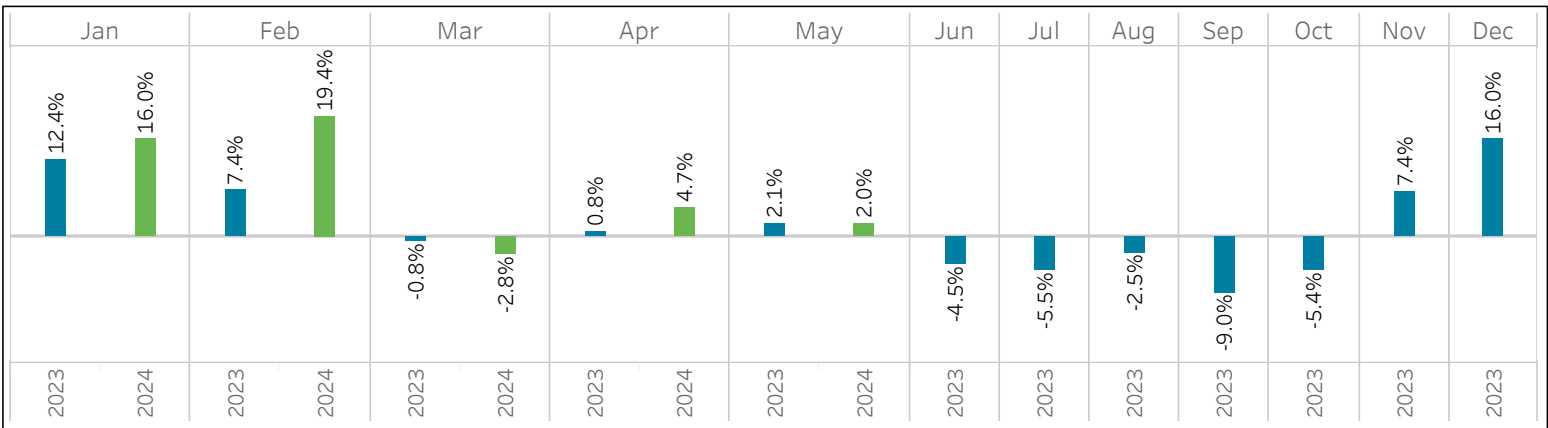
▲ 7.2%
from 2022
(n = 20)

▲ 22.4%
from 2021
(n = 20)

Monthly Volumes



Monthly Volume Changes Compared to 2022



Section 5.4 **Children's Hospitals Emergency Visits** Childrens Hospital
20

Data as of 5/31/2024

2022 2023 2024

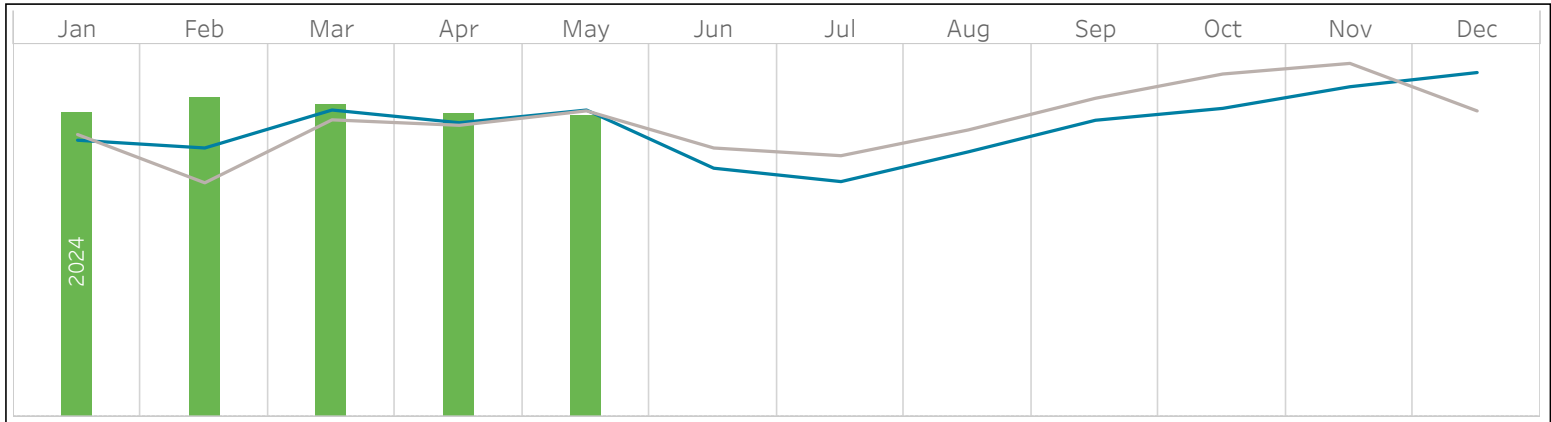
**2024
YTD Volumes**

▲ **5.9%**
from 2023
(n = 20)

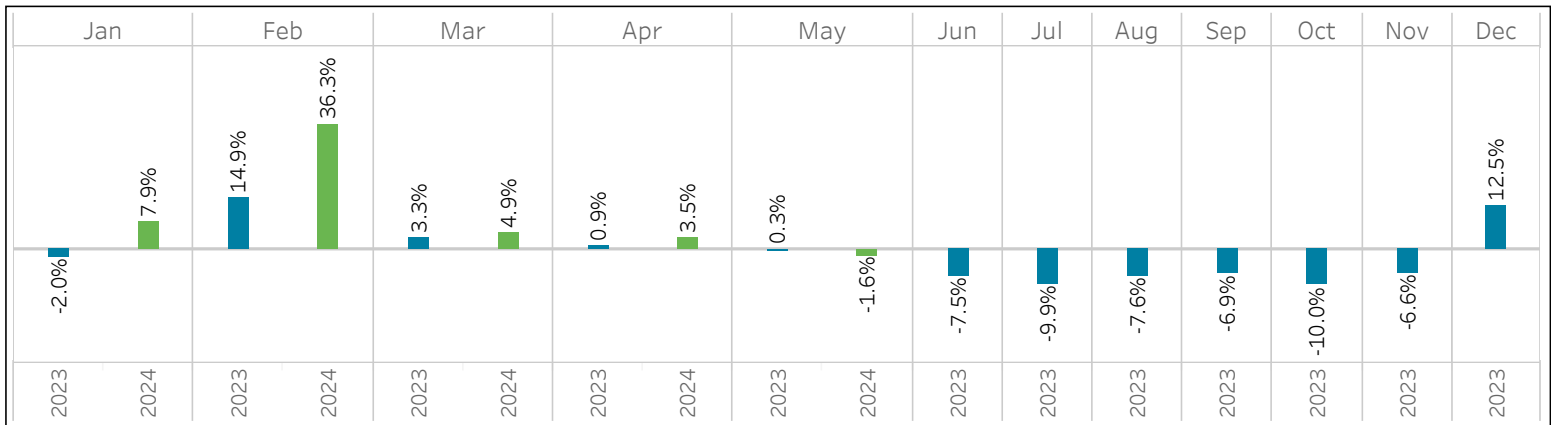
▲ **9.0%**
from 2022
(n = 20)

▲ **42.3%**
from 2021
(n = 20)

Monthly Volumes



Monthly Volume Changes Compared to 2022



Section 5.5 Children's Hospitals Outpatient Visits
 Data as of 5/31/2024
 Childrens Hospital 20
 2022 2023 2024

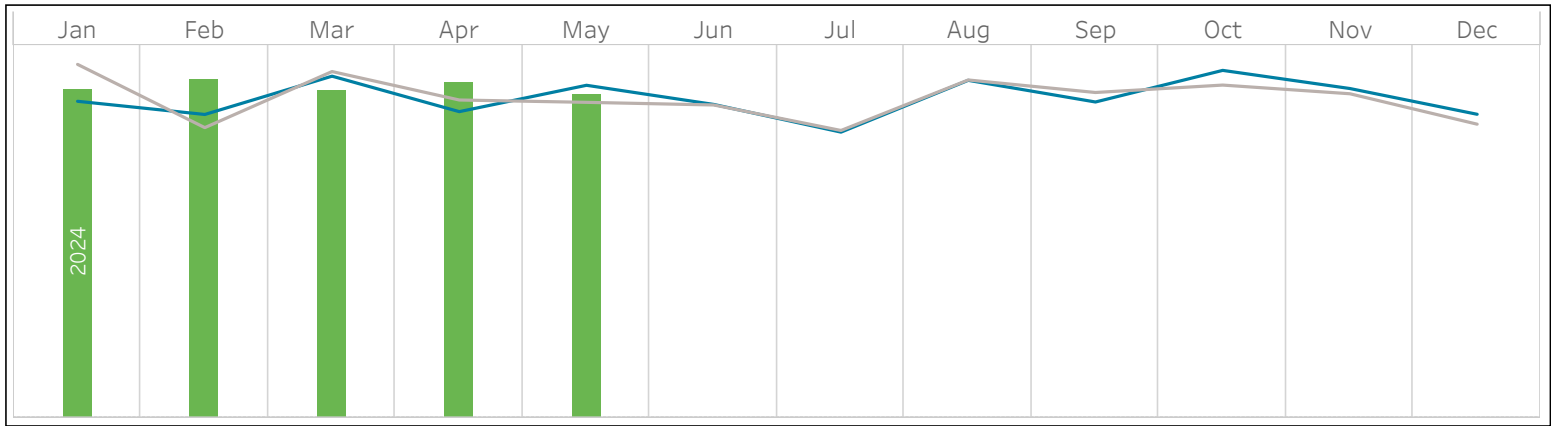
2024
YTD Volumes

▲ 3.1%
from 2023
(n = 20)

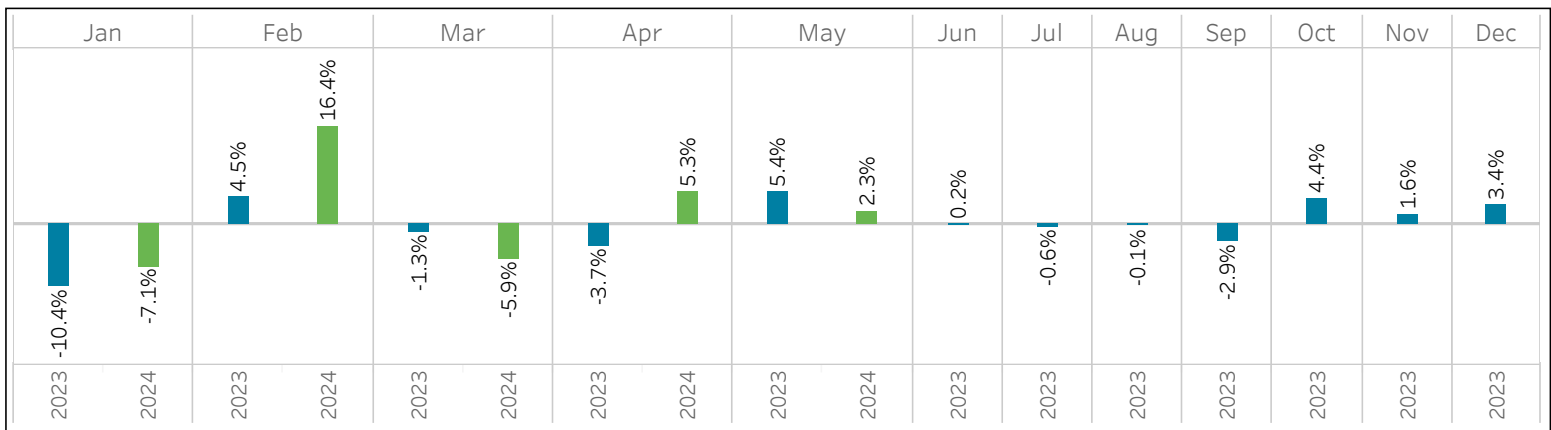
▲ 1.6%
from 2022
(n = 20)

▲ 4.3%
from 2021
(n = 20)

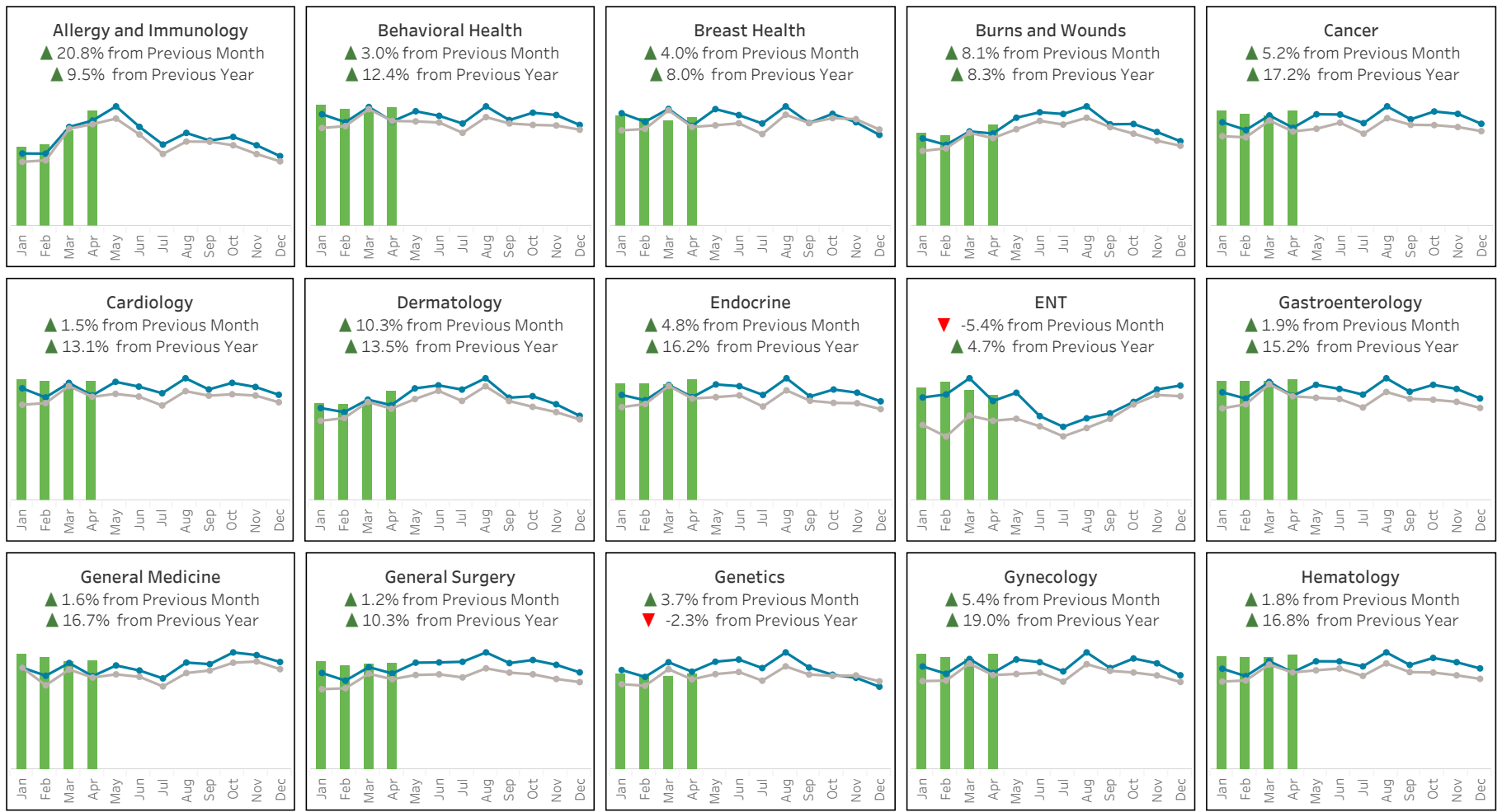
Monthly Volumes



Monthly Volume Changes Compared to 2022

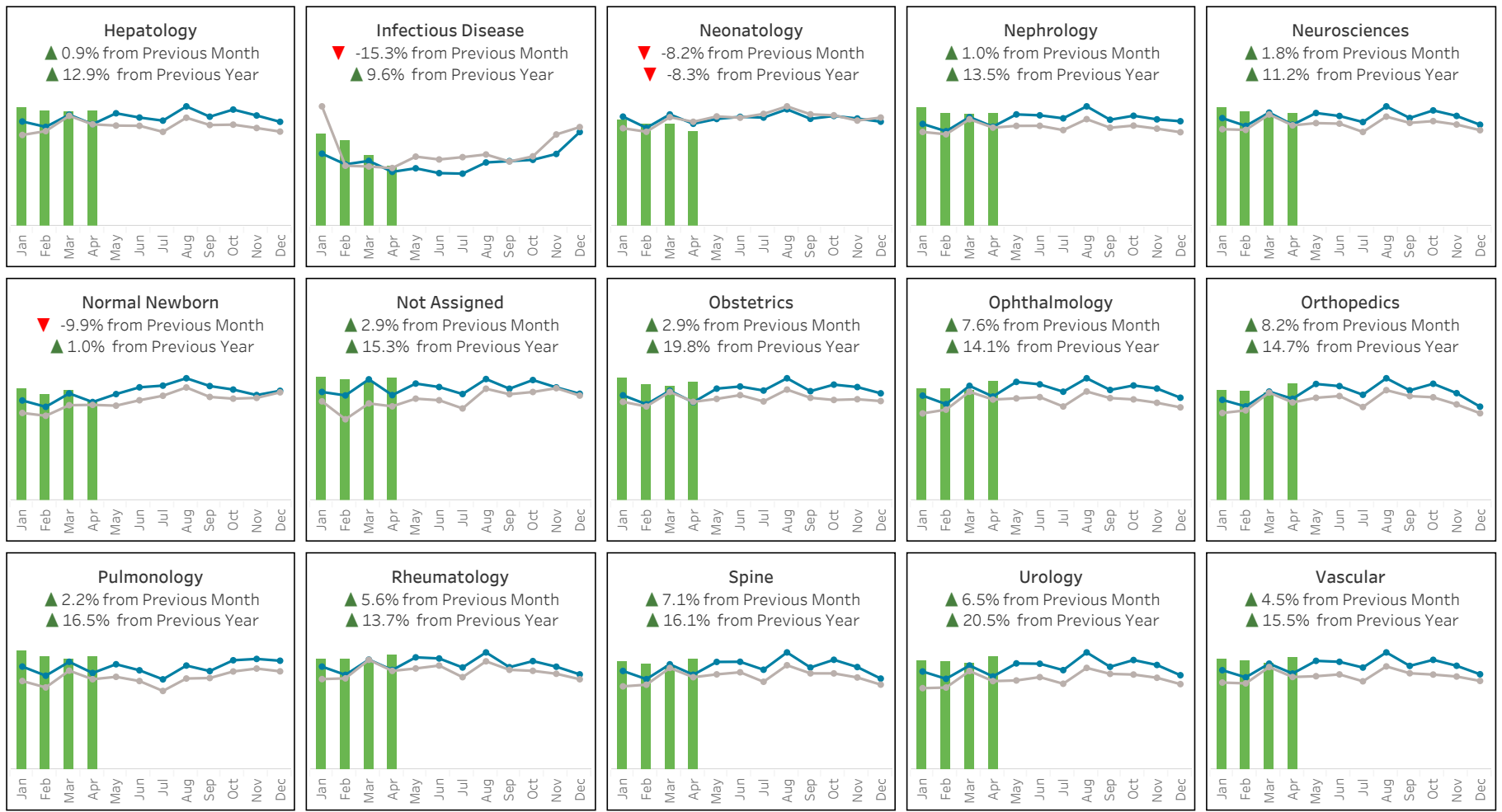


Section 6.1 Professional Evaluation and Management Visits by Service Line (Including Children's Health Systems) 2022 2023 2024
 Data as of 4/30/2024



Section 6.2 Professional Evaluation and Management Visits by Service Line (Including Children's Health Systems)
 Data as of 4/30/2024

2022
2023



Methodology

Data Source: 645 hospitals from 124 StrataSphere® health systems with StrataJazz® Decision Support. All hospital billing encounters with nonzero charges were included. Once the encounter has charges greater than zero, it will then be included in the encounter count.

The census regions and census divisions outlined in sections 1.1-1.2 of this report follow the definitions established by the U.S. Census Bureau.

Patient Types include inpatient, observation, emergency, and outpatient, which are determined by the presence of associated UB revenue codes in encounter charges. We are only pulling encounters with charges greater than zero.

Percentage change from previous month refers to the percentage difference between the current month and previous month. Percentage change from previous year refers to the percentage difference between the current month and the same month in the previous year.

CMI (Case Mix Index) is the average diagnosis-related group (DRG) relative weight. This average is calculated by summing the MS-DRG weights for all inpatient admissions and dividing by the distinct count of admissions.

For the proportion of visits graph in section 2.1: Proportions were calculated by aggregating distinct inpatient encounters stratified by visit type (emergency and observation), and dividing by total encounters for the respective visit type on a daily basis. Each date's 7-day moving average is reflected in the graph.

For sections 3.1-4: Service line and procedure groups are provided by the Sg2 CARE Grouper™, based on the ICD-10 diagnosis and procedure codes, DRG codes, and CPT codes of each encounter. Service line inpatient detail displays the 15 service lines with the highest inpatient volume.

GMLOS (Geometric mean length of stay) represents the nth root of the product of the LOS values for every inpatient admitted per day, where n is the number of patients per admit date. We chose this metric over average length of stay as it is less influenced by very high outliers.

For sections 6.1-6.2: Volumes represent total unique professional billing encounters for a basket of CPT codes in the range 99201 to 99255 related to evaluation & management (E&M) care. This includes codes related to patient office and outpatient visits, inpatient and observation care E&M visits (initial, subsequent, and discharge), and consultations. Not all StrataSphere clients provide professional billing data, these graphs represent 101 health system's professional billing data.