



National Patient and Procedure Volume Tracker™

Monthly Update 1/25/2021

Happy New Year! A new year, a new report! Please refer to the cover letter that highlights report changes and a full review of findings. Some highlights include:

Volume data is through 1/9/21. 30-day changes include the holiday season, therefore a decrease in volume is expected. More telling is the first week back from the holidays – week of 1/3/21 which shows inpatient and outpatient growth (Section 1.2).

Service line data is through 12/26/20. The holiday season makes it difficult to gauge trends other than the clear growth in Infectious Disease tied to COVID-19.

Please refer to Section 9 for our new COVID-19 section. We have also added a new section for Children's Hospitals (Section 6.1).

The data science team at Strata aggregated data from a cohort of 329 hospitals in 68 health systems. The breakdown of hospitals by U.S. Census Region is below.

Census Region Count

Midwest	Northeast	South	West	Grand Total
130	36	119	44	329

Section 1.1

National Level Recent Volume Changes

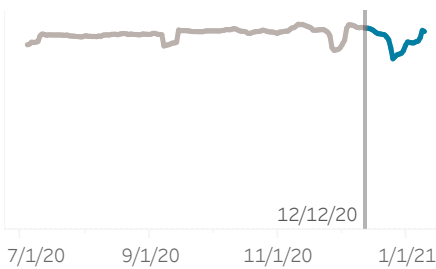
Data as of 1/9/2021

Historical Data
New Data

Inpatient Admissions

Past 30 Day Change

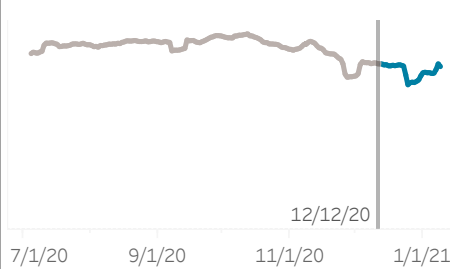
▼ -4.9%



Observation Visits

Past 30 Day Change

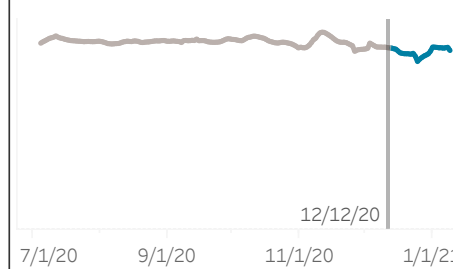
▼ -6.2%



Emergency Visits

Past 30 Day Change

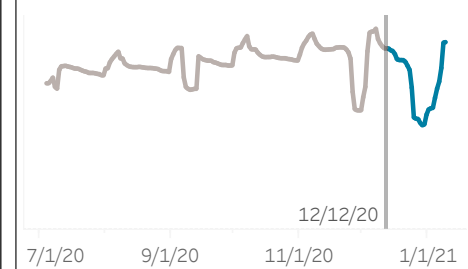
▼ -4.1%



Outpatient Visits

Past 30 Day Change

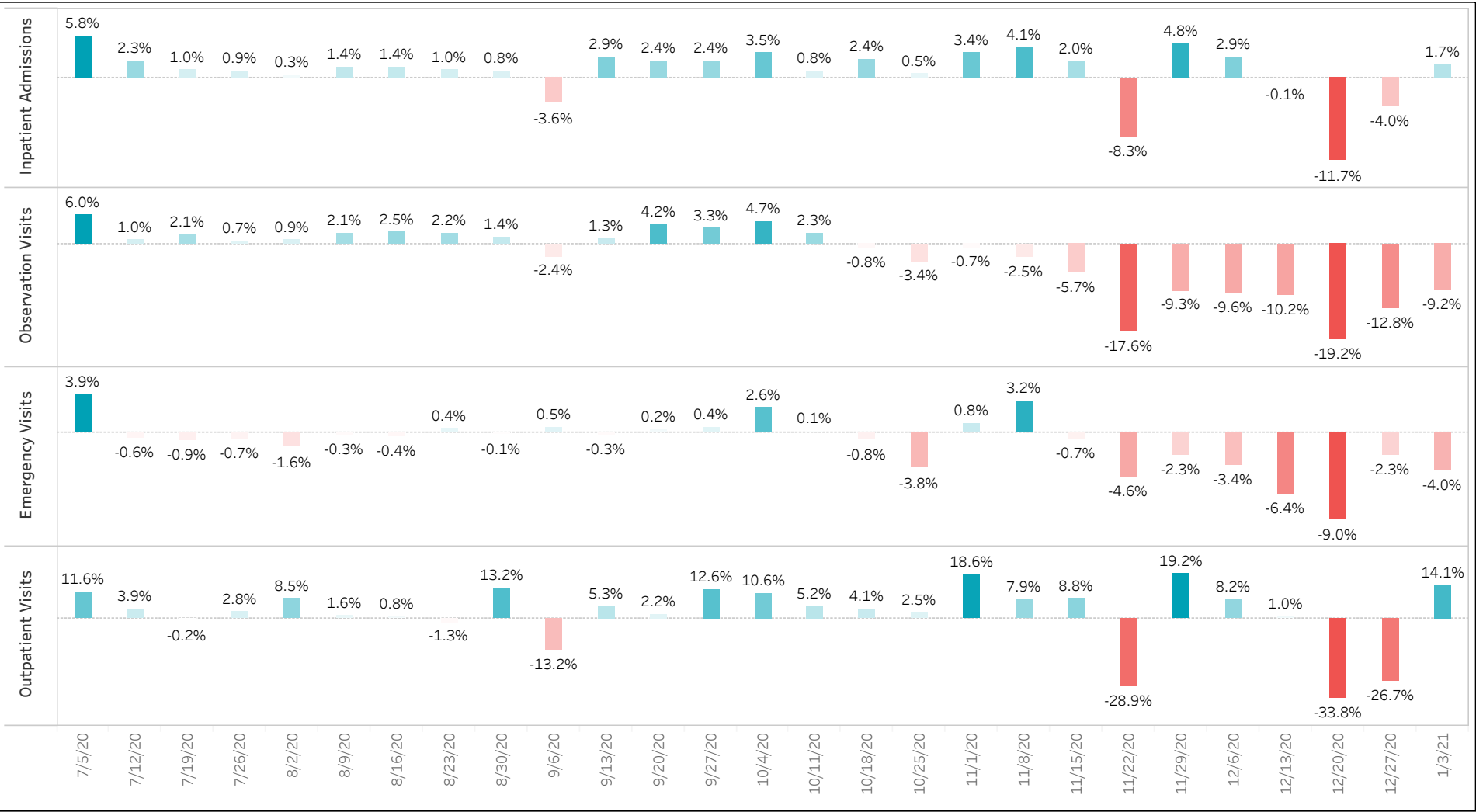
▼ -16.2%



Section 1.2

National Level Weekly Volume Changes Compared to Previous 26 Weeks Rolling Average

Data as of 1/9/2021



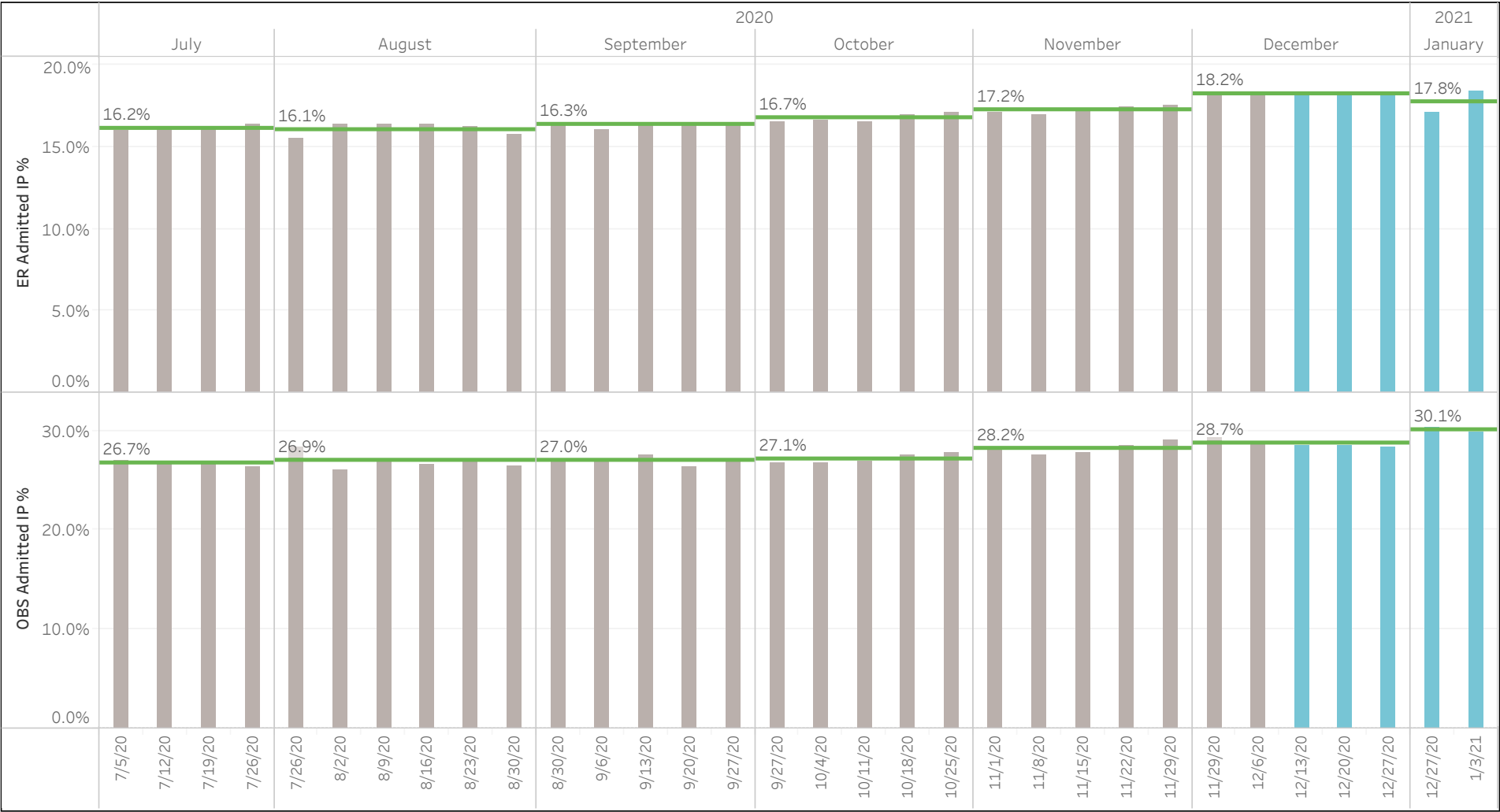
Section 1.3

National Level Inpatient Conversion Rate

Data as of 1/9/2021

Historical Data

New Data



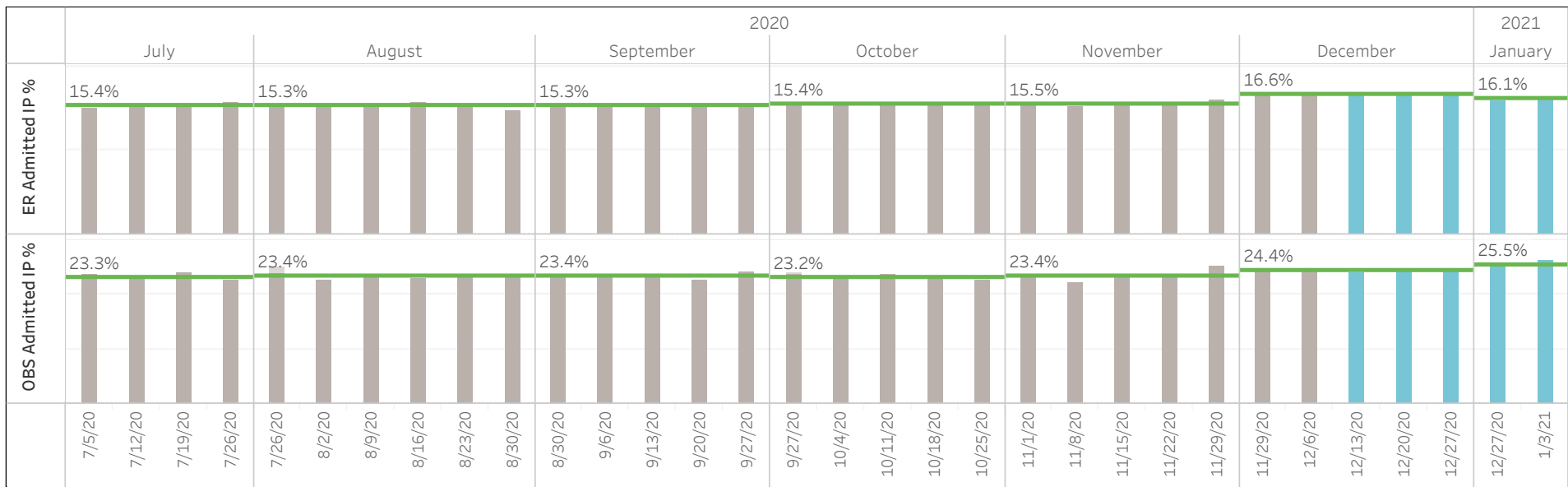
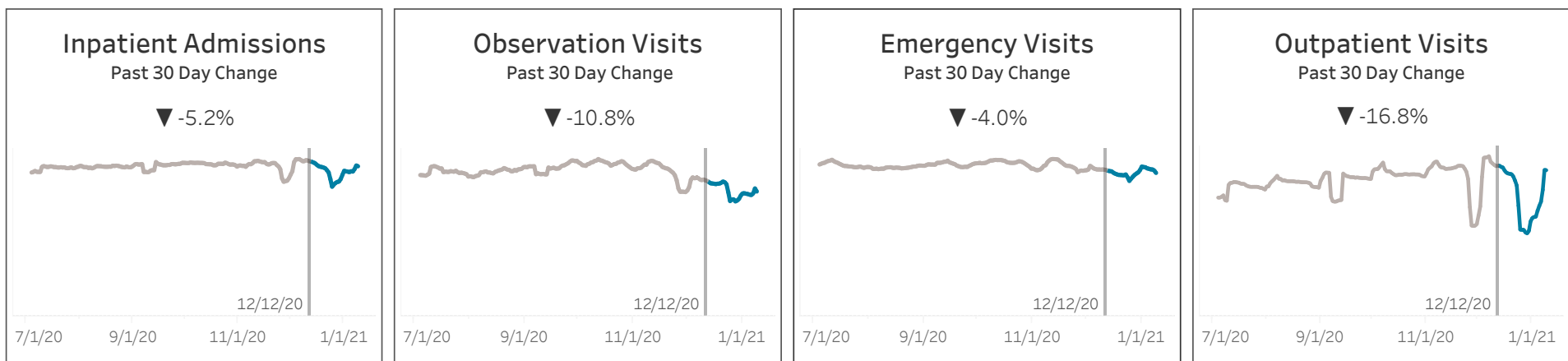
Section 2.1

Census Region-South Recent Volume Changes

Data as of 1/9/2021

Historical Data

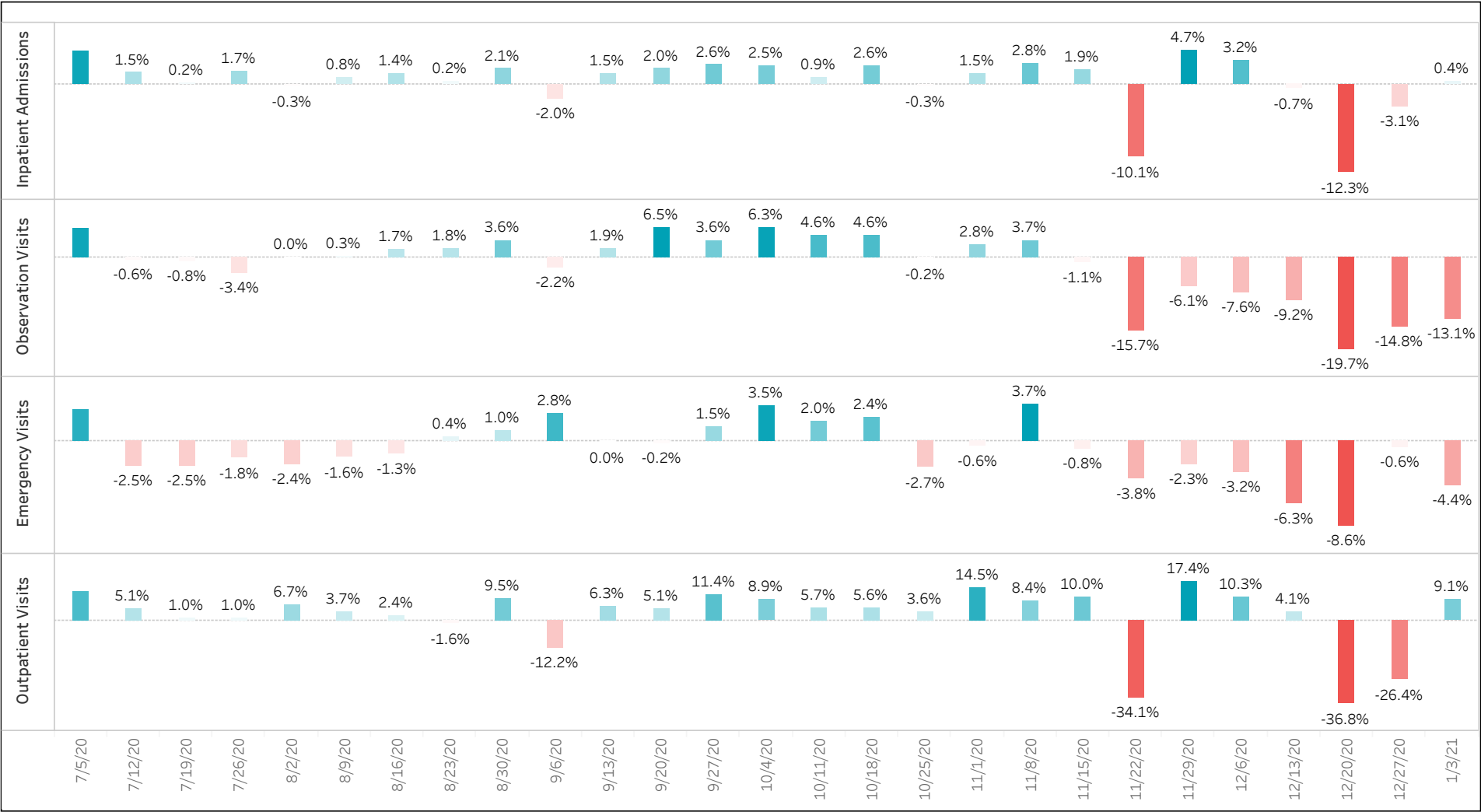
New Data



Section 2.2

Census Region - South Weekly Volume Changes
Compared to Previous 26 Weeks Rolling Average

Data as of 1/9/2021



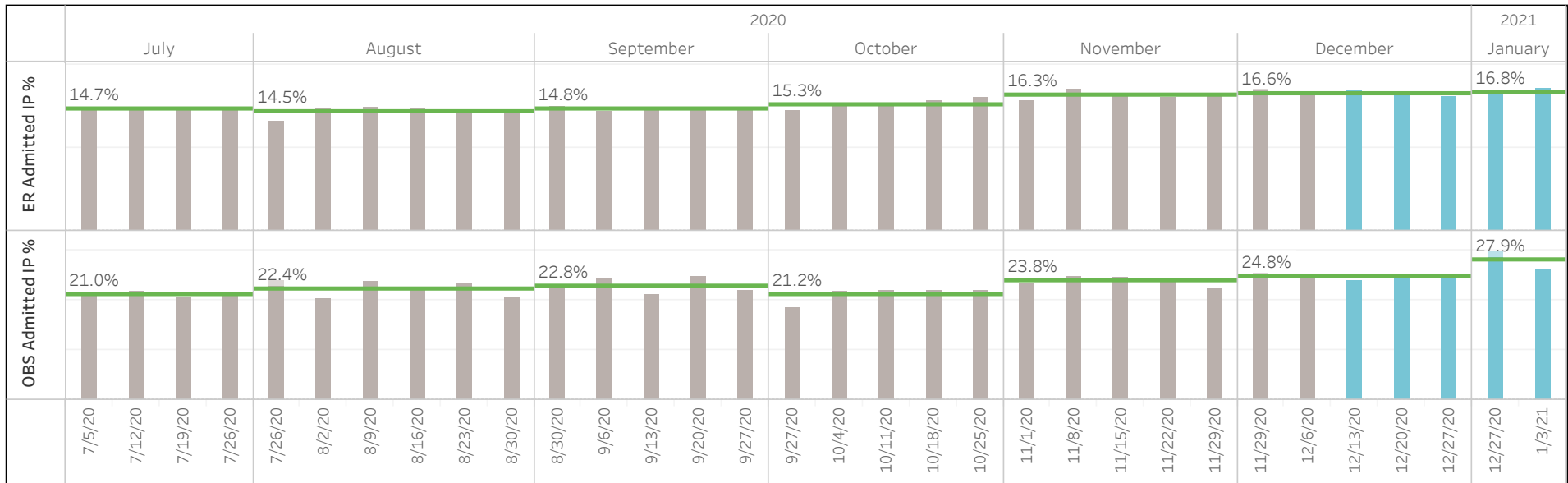
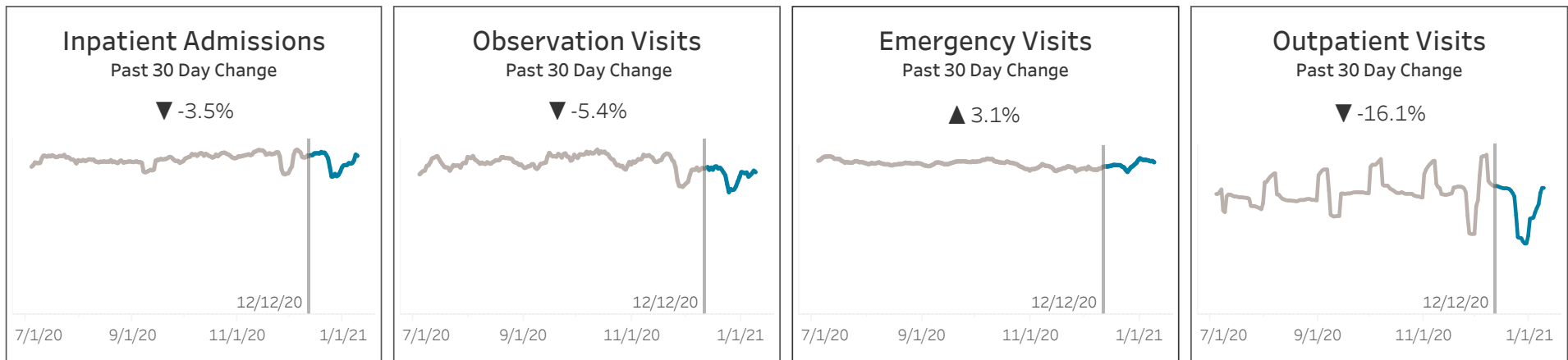
Section 3.1

Census Region-West Recent Volume Changes

Data as of 1/9/2021

Historical Data

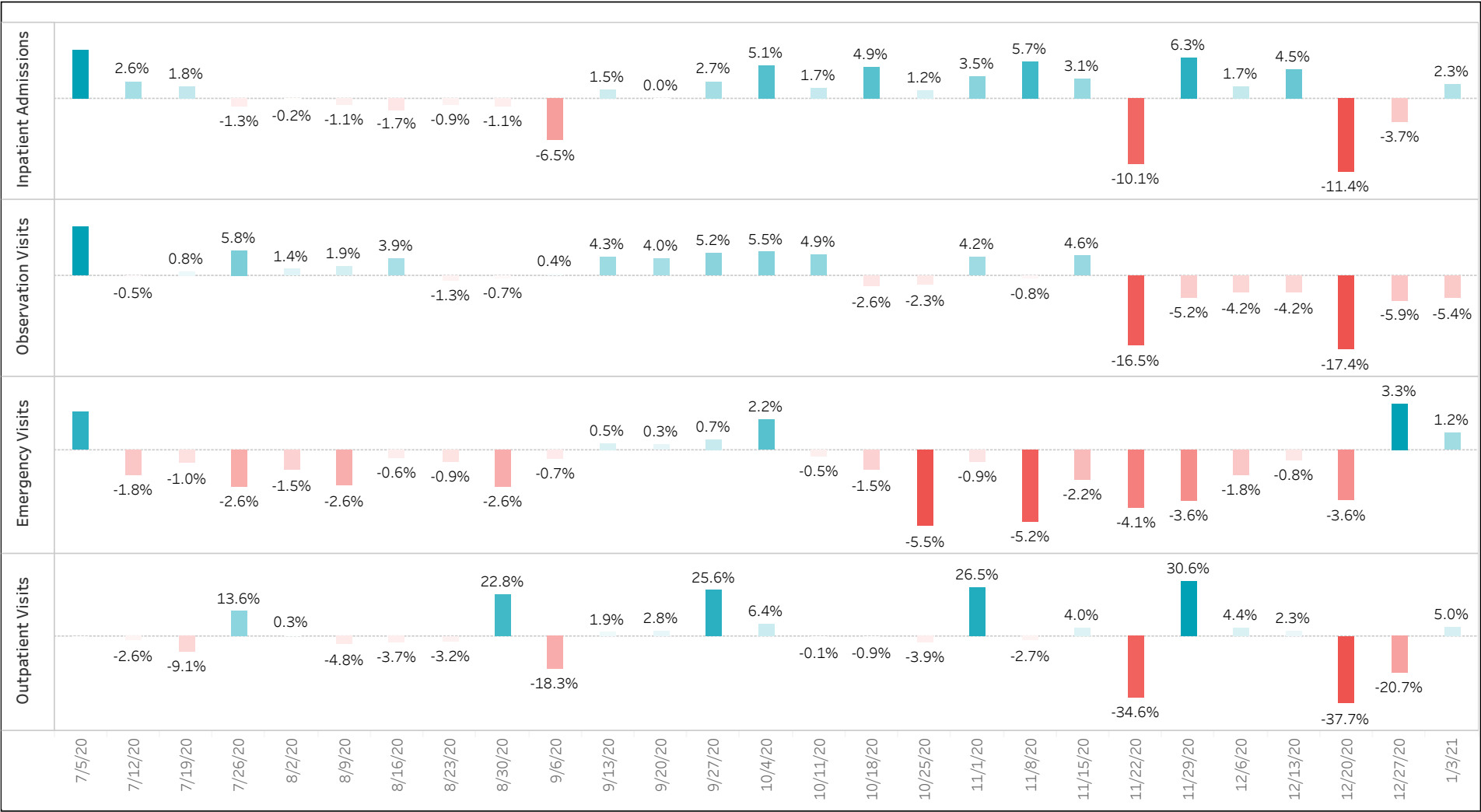
New Data



Section 3.2

Census Region - West Weekly Volume Changes
Compared to Previous 26 Weeks Rolling Average

Data as of 1/9/2021



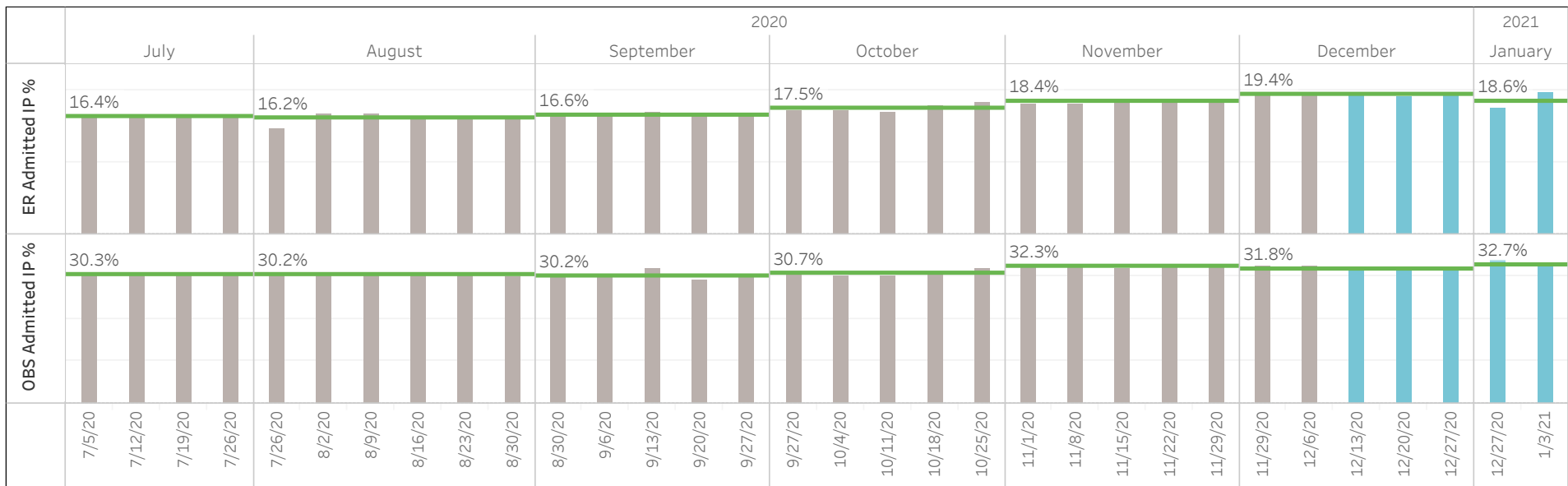
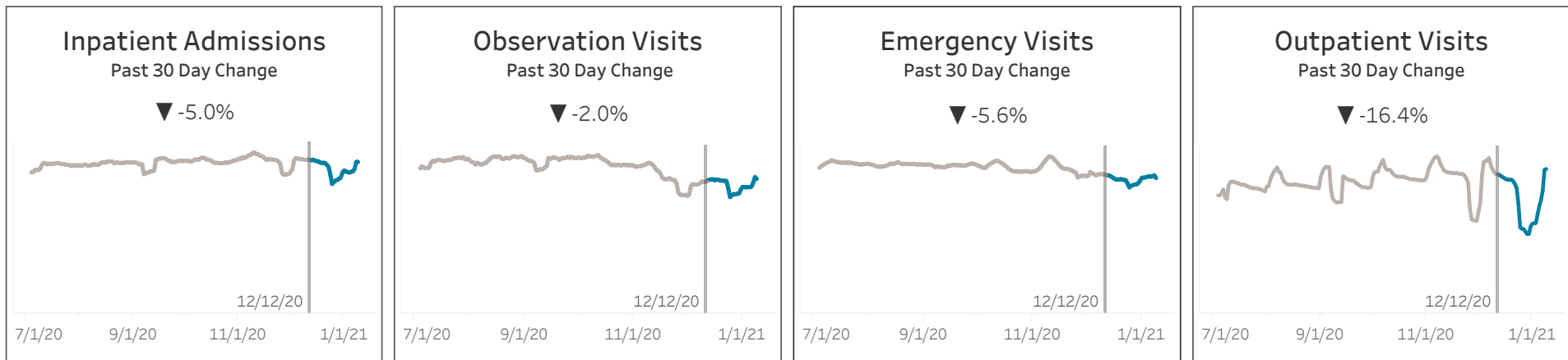
Section 4.1

Census Region-Midwest Recent Volume Changes

Data as of 1/9/2021

Historical Data

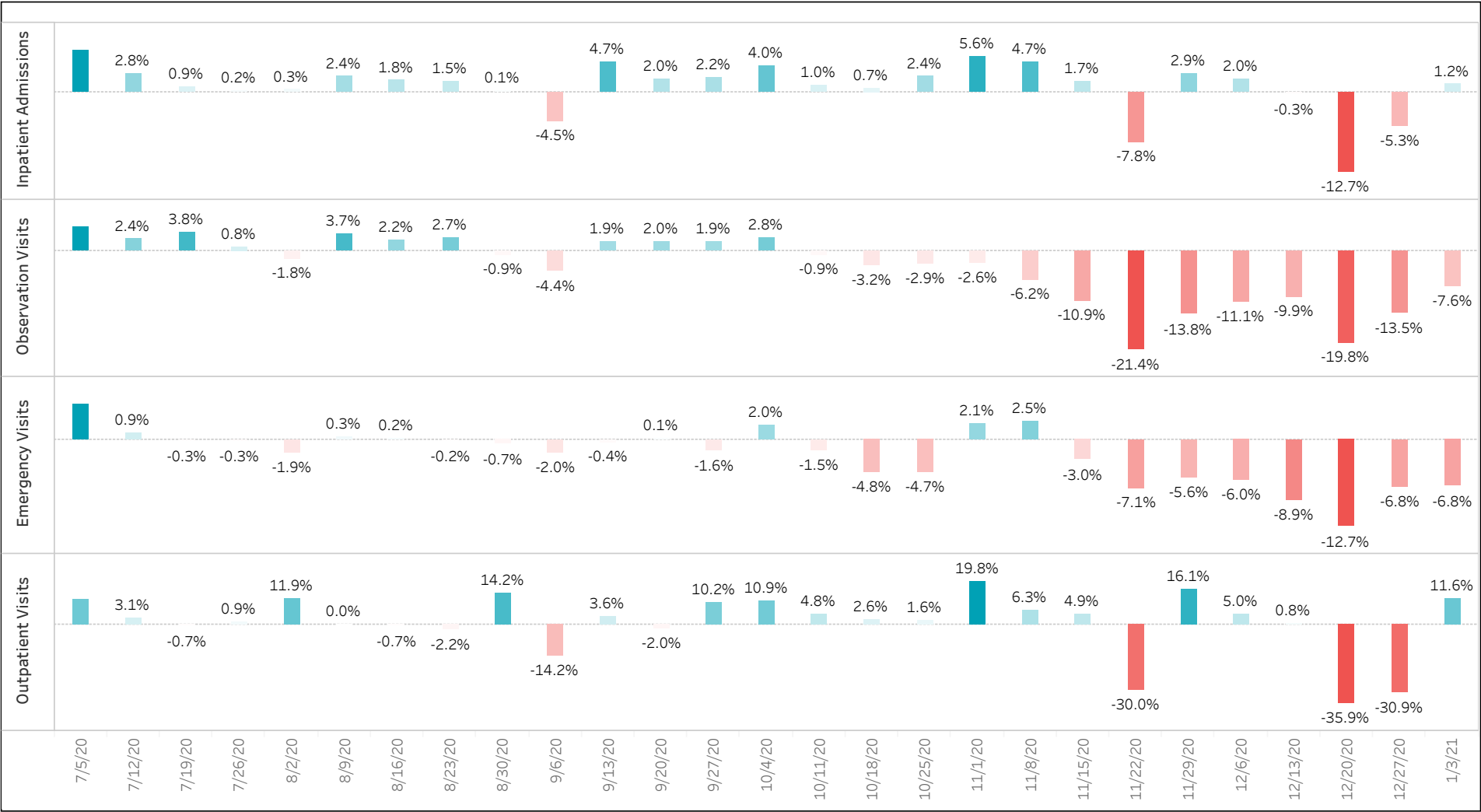
New Data



Section 4.2

Census Region - Midwest Weekly Volume Changes
Compared to Previous 26 Weeks Rolling Average

Data as of 1/9/2021



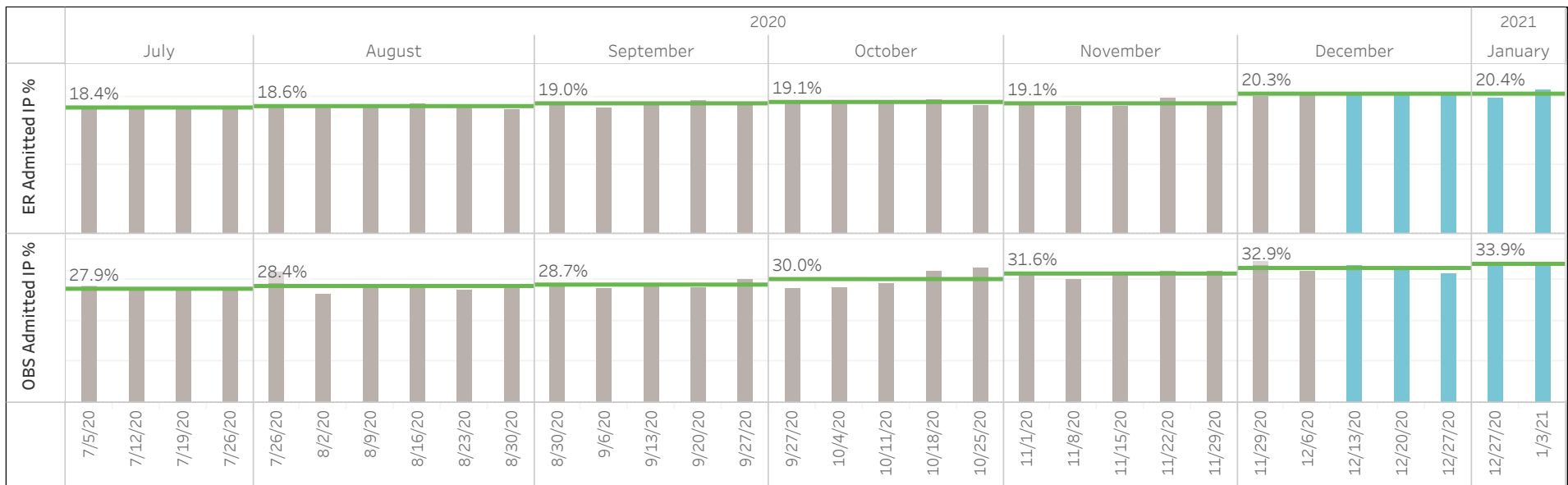
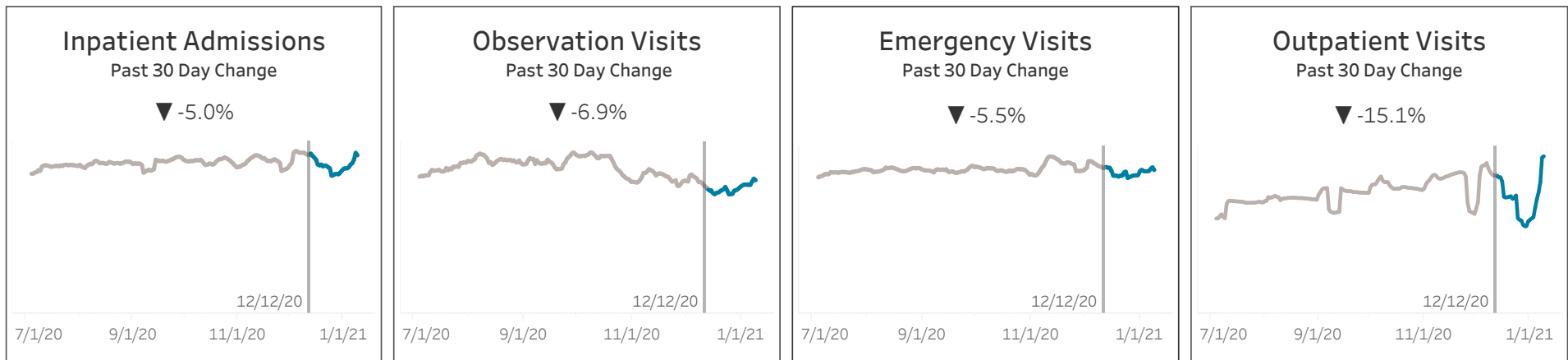
Section 5.1

Census Region-Northeast Recent Volume Changes

Data as of 1/9/2021

Historical Data

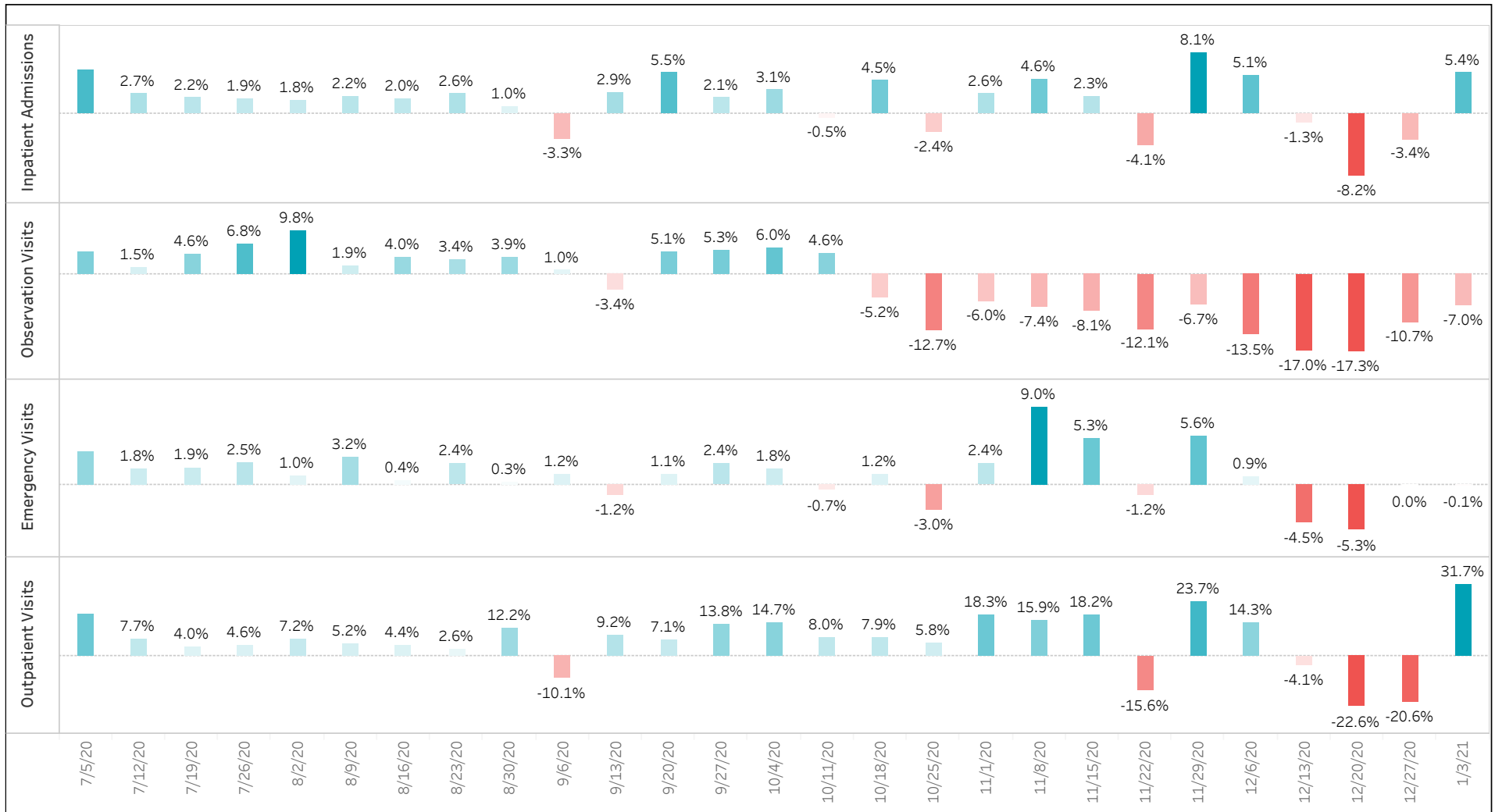
New Data



Section 5.2

Census Region - Northeast Weekly Volume Changes Compared to Previous 26 Weeks Rolling Average

Data as of 1/9/2021



Section 6.1

National Level Children's Hospitals Recent Volume Changes

Children's Hospital #

12

Historical Data

New Data

Data as of 1/9/2021

Inpatient Admissions

Past 30 Day Change

▼ -8.3%

12/12/20

7/1/20 9/1/20 11/1/20 1/1/21

Observation Visits

Past 30 Day Change

▼ -10.7%

12/12/20

7/1/20 9/1/20 11/1/20 1/1/21

Emergency Visits

Past 30 Day Change

▼ -10.4%

Moving Average of ..

12/12/20

7/1/20 9/1/20 11/1/20 1/1/21

Outpatient Visits

Past 30 Day Change

▼ -16.7%

12/12/20

7/1/20 9/1/20 11/1/20 1/1/21

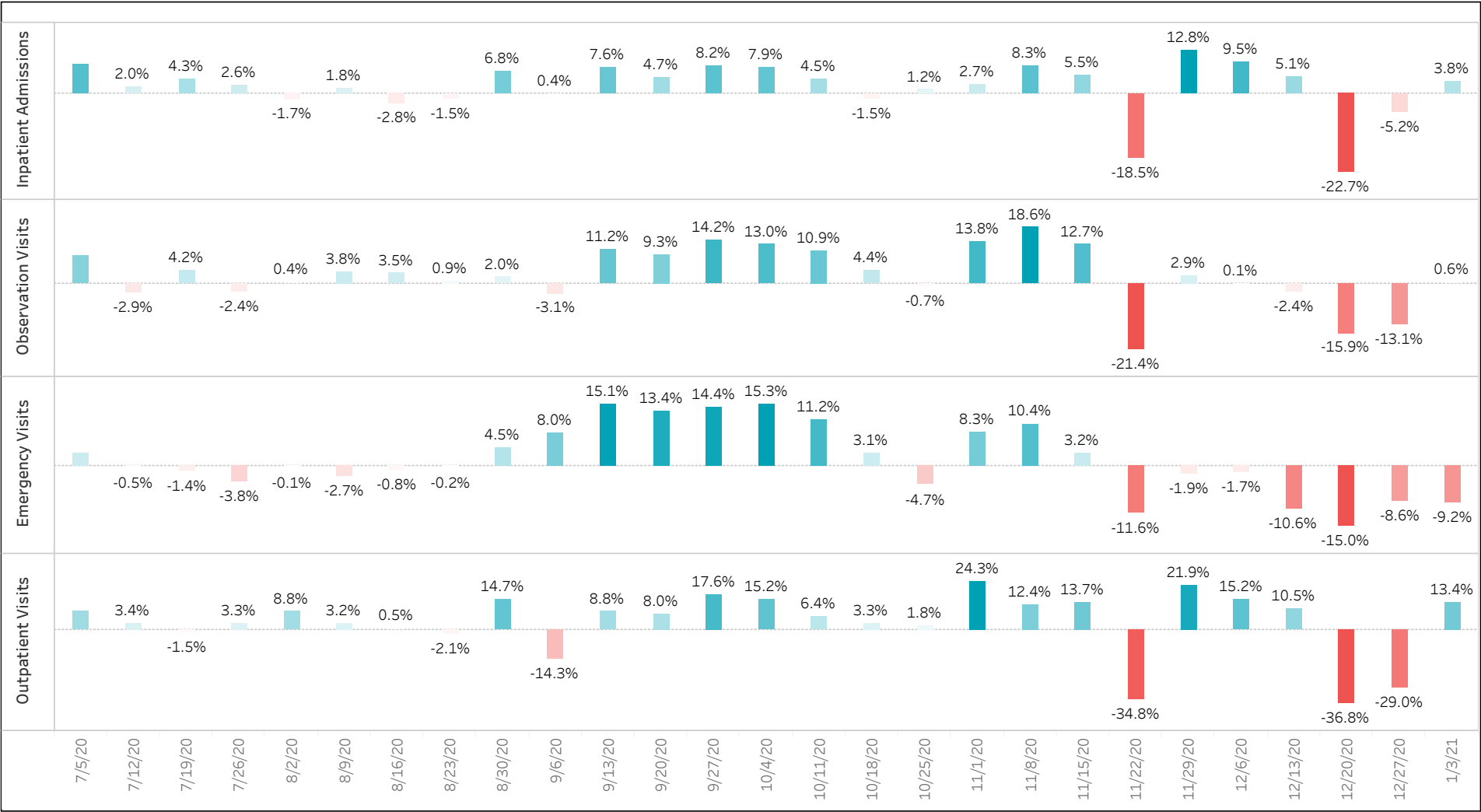
	2020												2021																			
	July				August				September				October				November				December				January							
ER Admitted IP %	7.1%				7.0%				6.9%				6.9%				7.3%				7.9%				7.7%							
OBS Admitted IP %	13.4%				14.1%				13.7%				13.7%				14.3%				14.6%				14.7%							
	7/5/20	7/12/20	7/19/20	7/26/20	7/26/20	8/2/20	8/9/20	8/16/20	8/23/20	8/30/20	8/30/20	9/6/20	9/13/20	9/20/20	9/27/20	9/27/20	10/4/20	10/11/20	10/18/20	10/25/20	11/1/20	11/8/20	11/15/20	11/22/20	11/29/20	11/29/20	12/6/20	12/13/20	12/20/20	12/27/20	12/27/20	1/3/21

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Section 6.2

Children’s Hospital Weekly Changes Compared to Previous 26 Weeks Rolling Average

Data as of 1/9/2021



1

2

3

4

5

6

7

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9

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11

12

13

14

15

16

17

18

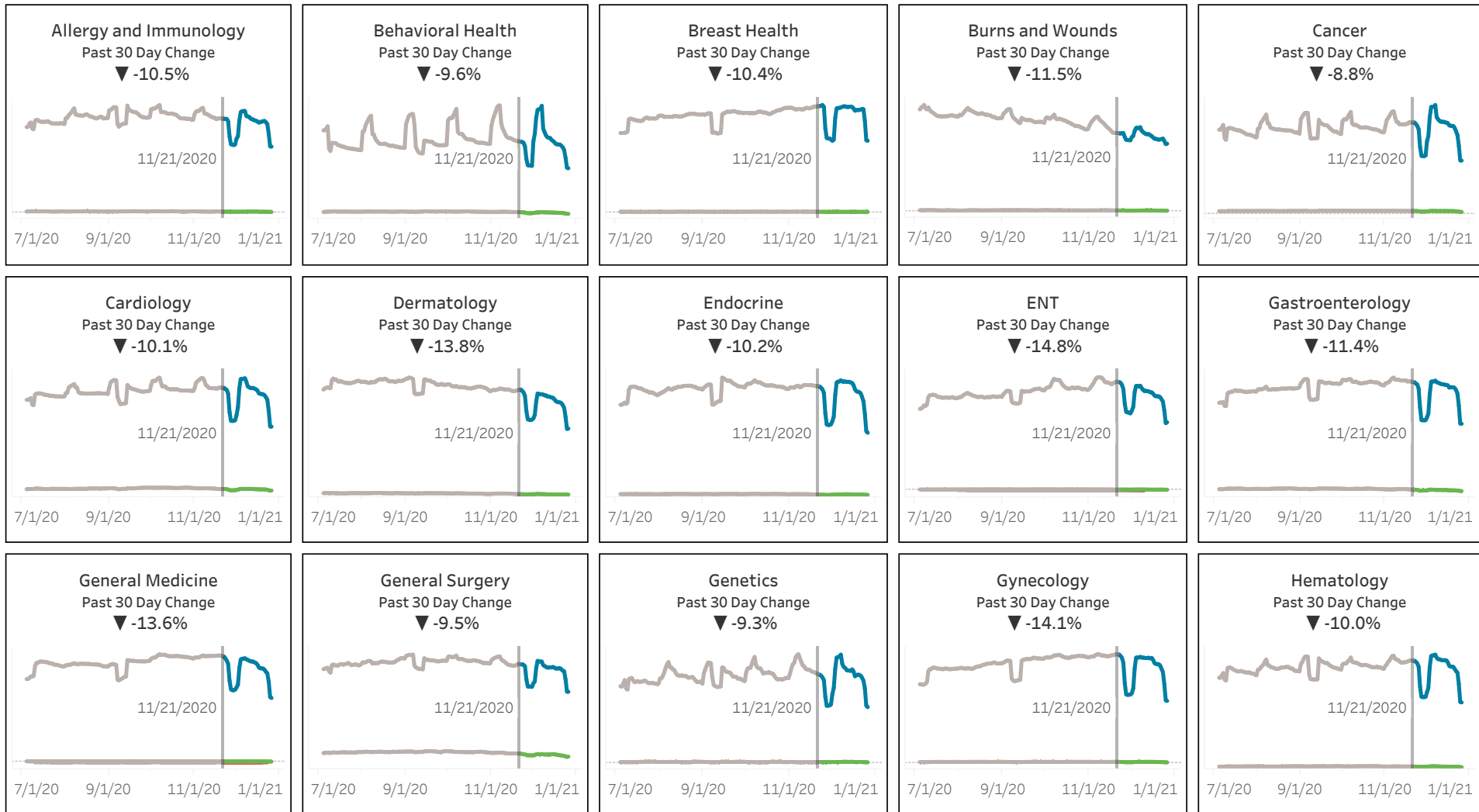
19

Section 7.1

National Volume Changes by Service Line

Data as of 12/26/2020

Historical Data Outpatient
Inpatient



Section 7.2

National Volume Changes by Service Line

Data as of 12/26/2020



1

2

3

4

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6

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11

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17

18

19

Section 8

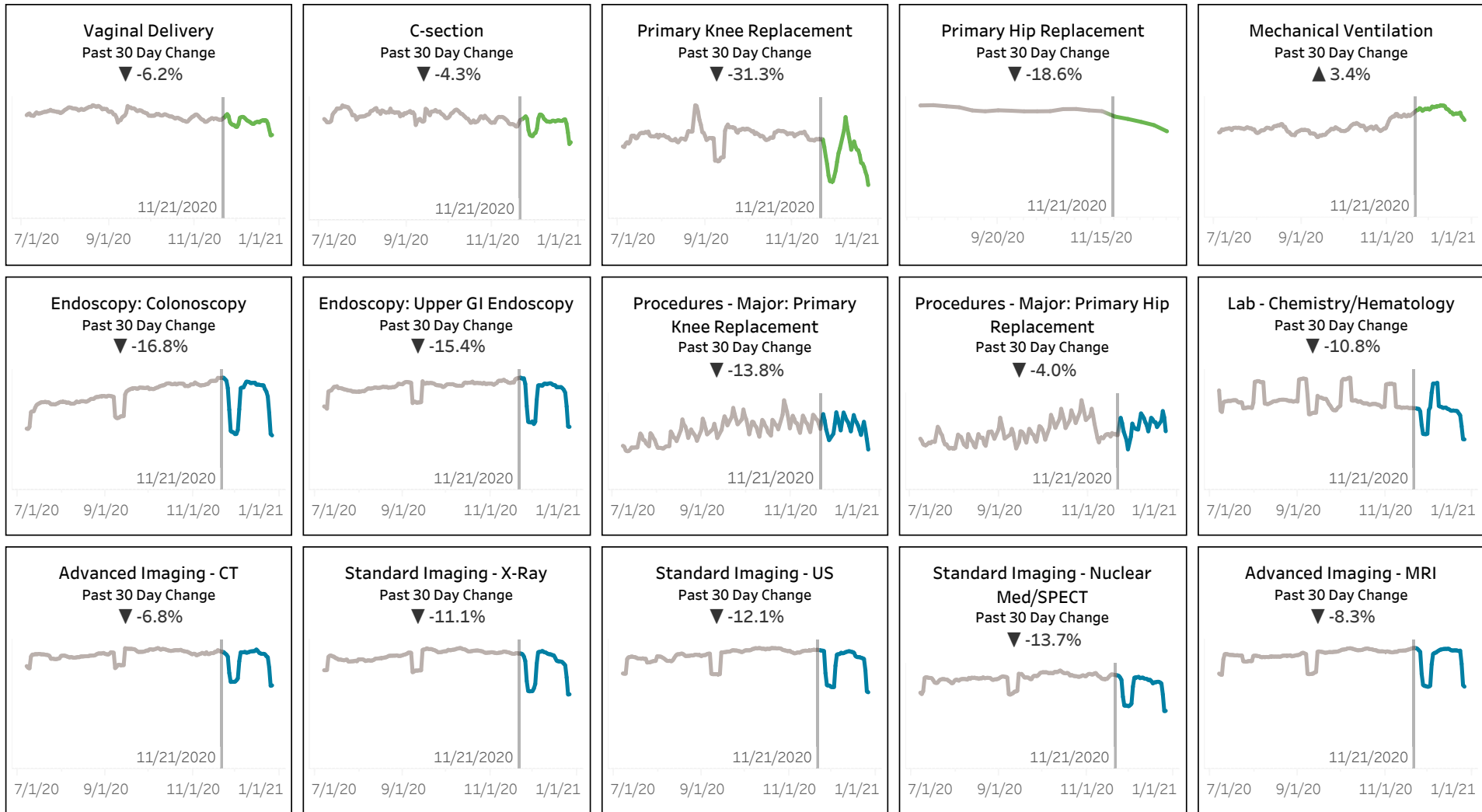
National Volume Changes by Procedure Type

Data as of 12/26/2020

Historical Data

Outpatient

Inpatient



Section 9

COVID-19 Summary

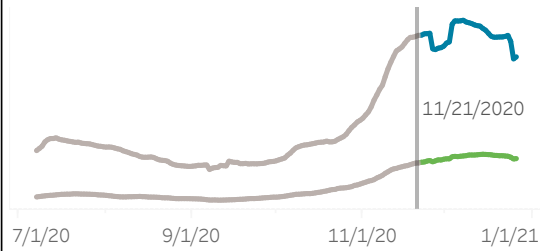
Data as of 12/26/2020

COVID-19 Infection

Past 30 Day Change

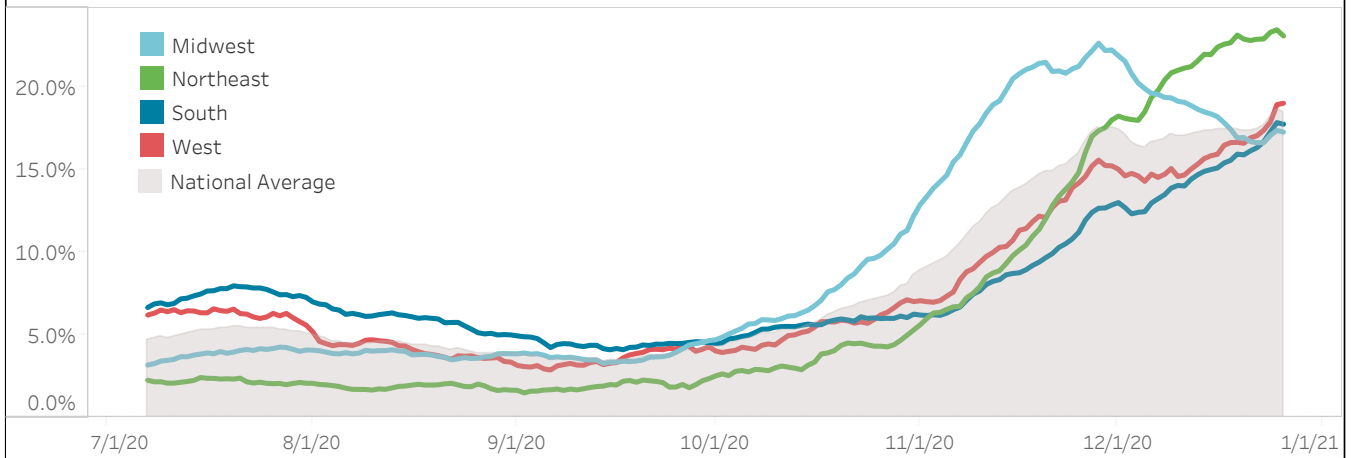
▲ 21.8%

Historical Data Inpatient Outpatient



COVID-19 Hospitalizations as Proportion of All Hospitalizations by Census Region

Midwest
Northeast
South
West
National Average



GMLOS for COVID-19 Inpatients

6.0
4.0
2.0
0.0

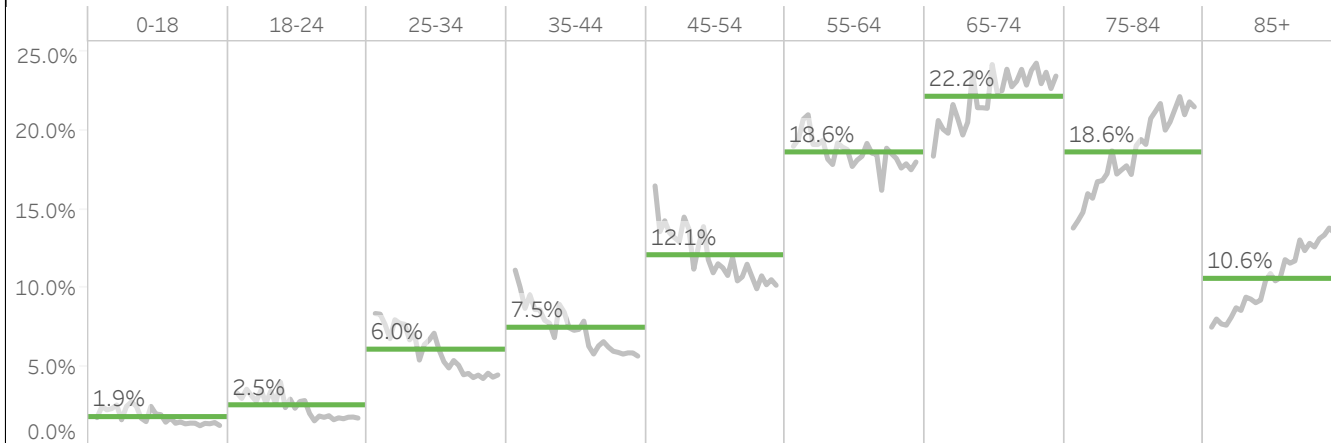
Historical Data
New Data

7/1/20 9/1/20 11/1/20 1/1/21

5.4

11/21/2020

COVID-19 Inpatients by Age Group



Section 10

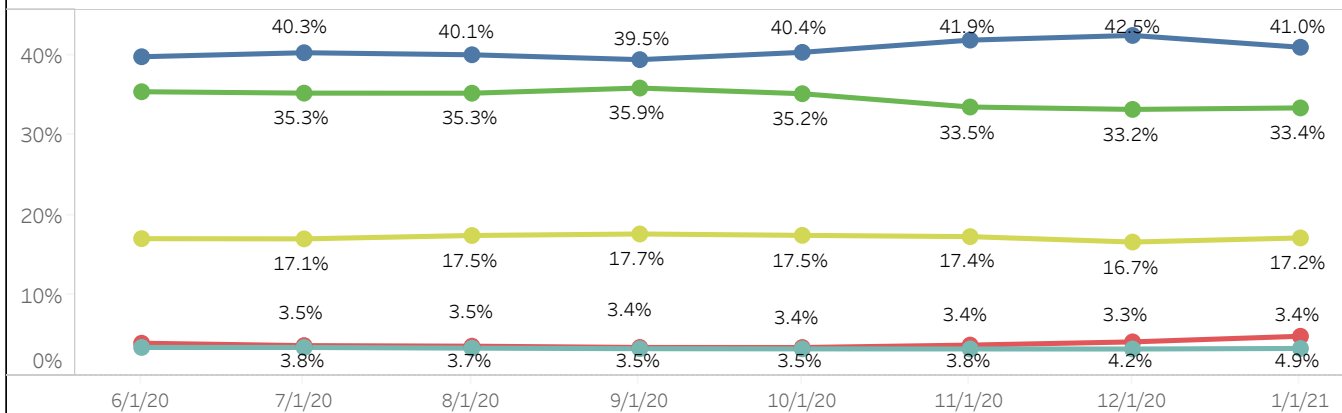
Payor Mix Monthly Analysis

Data as of 1/9/2021

Payor Mix is calculated based on encounter volume and the patient's primary insurance plan.

Nightly updates are received for encounter information. As providers validate or obtain insurance for patients it is added to the data set. We expect recent Self Pay numbers to be higher and to decrease over time as the insurance is updated.

Monthly Payor Type Percentage Change



Private Health Insurance

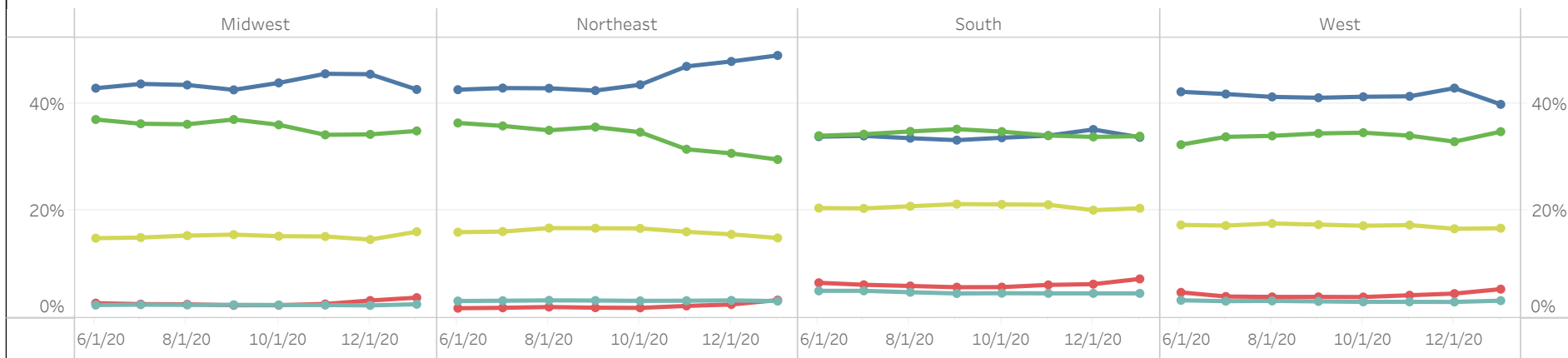
Medicaid/Medicaid Managed Care

Medicare/Medicare Managed Care

Other

Self Pay

Monthly Payor Type Percentage Change by Region



Methodology Page

Data Source: 68 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.

Patient Types include inpatient, observation patient, emergency patient, outpatient and newborn, which are determined by the presence of associated UB revenue codes in encounter charges.

Weekly change percentage is calculated by comparing current week patient volume with past 26 weeks rolling average volume.

Past 30 Day Change refers to the percentage difference between the sum encounter volume of the last 30 days of data, compared to the volume of the 30 days before that.

For the service line and procedure graphs: Service line and procedure groups provided by the Sg2 CARE Grouper™, based on the ICD-10 diagnosis and procedure codes, DRG codes, and CPT codes of each encounter.

For the COVID-19 summary graphs: COVID-19 infection status provided by the Sg2 CARE Grouper. Only encounters with ICD-10 diagnosis code U07.1 (indicating verified infection) are included.

GMLOS (Geometric mean length of stay) represents the nth root of the product of the LOS values for every COVID-19 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 the payor mix analysis: the primary insurance plan is normalized by the StrataSphere machine learning payor model, encounters with a "not specified" payor are excluded.

Note: In the service line and procedure graphs observation and emergency patients are included in the outpatient volume for chart clarity.