

National Patient and Procedure Volume Tracker™

Biweekly update December 21st, 2020

Section 1 - While inpatient volumes are down over the last 30 days and compared to 2019, the post-Thanksgiving data shows inpatient volume up 6% in the last 14 days. Outpatient continues above 2019 levels and has been climbing 18.5% in the past 14 days.

Section 2 - West coast inpatient volumes are up almost 10% in the last 14 days and above 2019 volumes. Given the trends in the infectious disease service line and the news headlines, we suspect this is COVID-19 related. Please note, this is a smaller data set of 35 hospitals.

Section 3 - Observation volumes are declining. We first noticed this with the last report and the decrease is now stronger. As beds become less available in many parts of the country, observation is impacted. We also suspect a decrease in emergency volume (Section 4) also drives observation days down.

Section 7 - Infectious Disease Service Line is still climbing - up 98%, last report it was up 86%. General Surgery and other service lines appear to be turning down for data through November 21st.

Section 8 - Total Knee and Total Hip Replacement procedure volumes seem to be diverging from 2019 volumes yet again. The gap has been closing but we suspect this is a harbinger of increased cancellation of elective procedures.

Section 8 - COVID-19 may be increasing, but mechanical ventilation is not during this COVID-19 wave.

Section 10 - We continue to see divergence between 2019 and 2020 for Care Families. While screening and follow-up visits are well above 2019, acute diagnoses such as chest pain, UTIs, hypertension and diabetes care are turning down. This is a troubling sign for complications from other disease if these declines are not being handled in other ways.

Section 9 - the volumes for the Visits - Evaluation and Management outpatient procedure group are higher than in the previous report for the second half of 2020. This is due to a recent update in the method used to determine the primary CPT code of an encounter in some of the StrataspHERE health systems. The new volumes should more accurately reflect the true primary code.

This is our last report for 2020. We will be unveiling a new version of this report for 2021. The first report will be published on January 25, 2021.

		Census Region				
		Midwest	Northeast	South	West	Grand Total
		124	35	101	35	295

Section 1 Admission Stays and Visits Recent Volume Changes

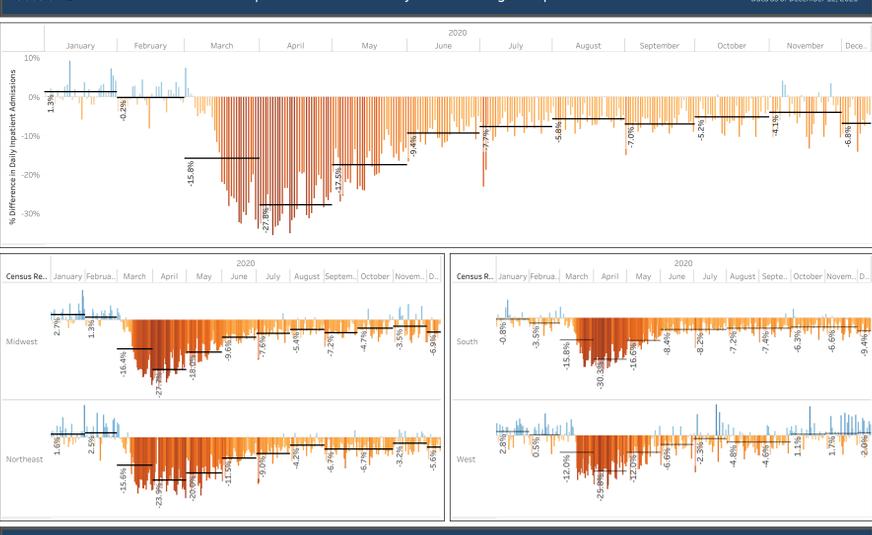
Data as of December 12, 2020

		30 Day Change Compare to 2019	14 Day Change Compare to 2019	Change in Last 30 Days		Change in Last 14 Days	
DailyInpatientAdmissions		▼ -4.8%	▼ -5.4%	▼ -3.0%	▲ 6.0%		
DailyObservationVisits		▼ -22.1%	▼ -23.3%	▼ -11.1%	▲ 0.1%		
DailyEmergencyVisits		▼ -21.1%	▼ -22.8%	▼ -2.2%	▼ -2.3%		
DailyOutpatientVisits		▲ 5.5%	▲ 3.3%	▼ -8.7%	▲ 18.5%		

Census Region	Metric	30 Day Change Compare to 2019	14 Day Change Compare to 2019	Change in Last 30 Days	Change in Last 14 Days
Midwest	DailyInpatientAdmissions	▼ -6.5%	▼ -7.6%	▼ -3.6%	▲ 4.8%
	DailyObservationVisits	▼ -16.1%	▼ -16.3%	▼ -15.1%	▲ 3.4%
	DailyEmergencyVisits	▼ -24.6%	▼ -27.8%	▼ -5.7%	▼ -3.0%
	DailyOutpatientVisits	▲ 1.8%	▼ -2.1%	▼ -11.8%	▲ 19.3%
Northeast	DailyInpatientAdmissions	▼ -5.0%	▼ -5.1%	▼ -1.8%	▲ 6.3%
	DailyObservationVisits	▼ -20.2%	▼ -21.6%	▼ -6.1%	▼ -1.2%
	DailyEmergencyVisits	▼ -24.1%	▼ -25.0%	▲ 0.2%	▼ -1.3%
	DailyOutpatientVisits	▲ 3.4%	▲ 12.5%	▼ -4.0%	▲ 14.2%
South	DailyInpatientAdmissions	▼ -9.0%	▼ -9.7%	▼ -4.1%	▲ 3.6%
	DailyObservationVisits	▼ -22.1%	▼ -25.3%	▼ -14.8%	▼ -8.7%
	DailyEmergencyVisits	▼ -22.2%	▼ -24.2%	▼ -3.0%	▼ -4.9%
	DailyOutpatientVisits	▲ 0.3%	▼ -2.1%	▼ -11.8%	▲ 17.7%
West	DailyInpatientAdmissions	▲ 1.1%	▲ 0.8%	▼ -2.6%	▲ 9.4%
	DailyObservationVisits	▼ -26.1%	▼ -17.6%	▼ -8.3%	▲ 3.4%
	DailyEmergencyVisits	▼ -17.4%	▼ -13.6%	▼ -0.5%	▲ 0.1%
	DailyOutpatientVisits	▲ 5.1%	▲ 4.7%	▼ -7.1%	▲ 22.8%

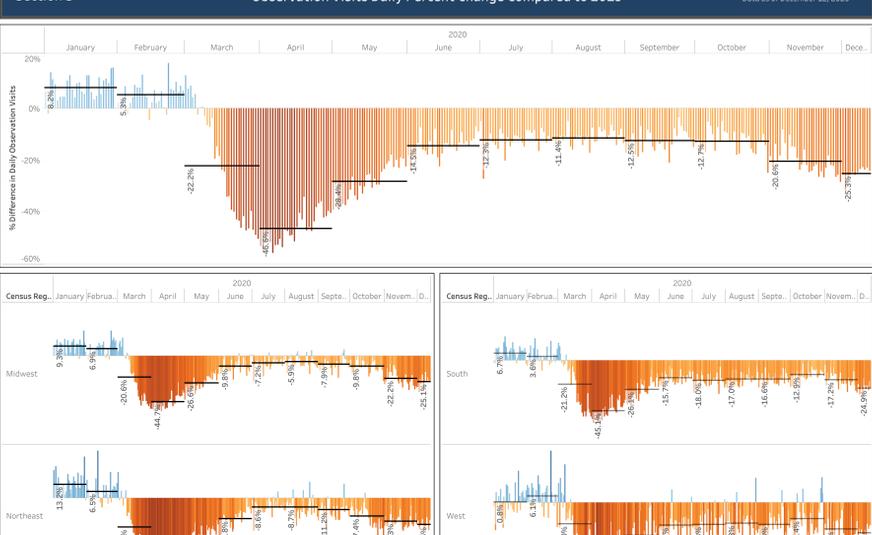
Section 2 Inpatient Admissions Daily Percent Change Compared to 2019

Data as of December 12, 2020



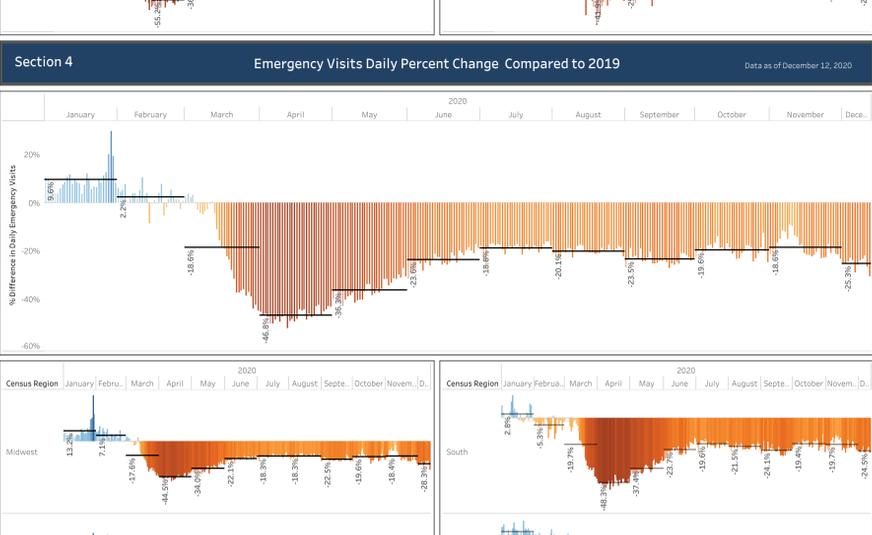
Section 3 Observation Visits Daily Percent Change Compared to 2019

Data as of December 12, 2020



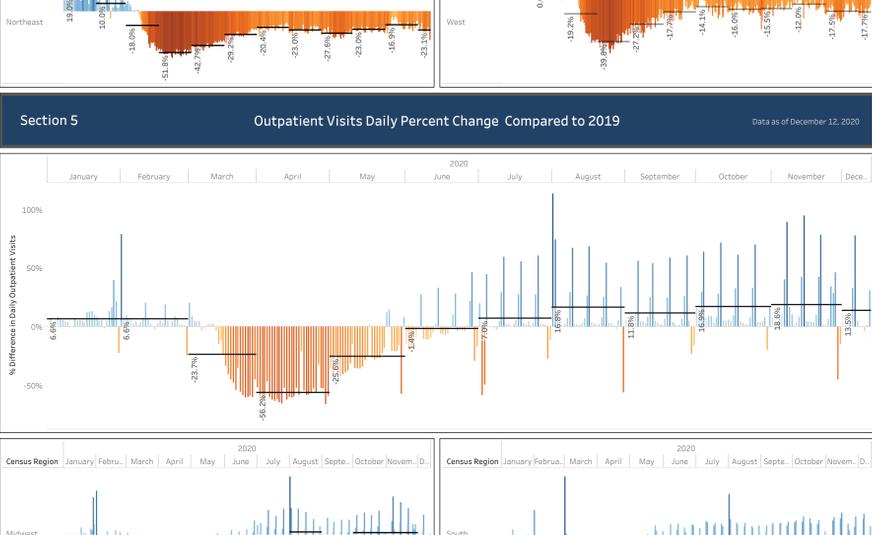
Section 4 Emergency Visits Daily Percent Change Compared to 2019

Data as of December 12, 2020



Section 5 Outpatient Visits Daily Percent Change Compared to 2019

Data as of December 12, 2020



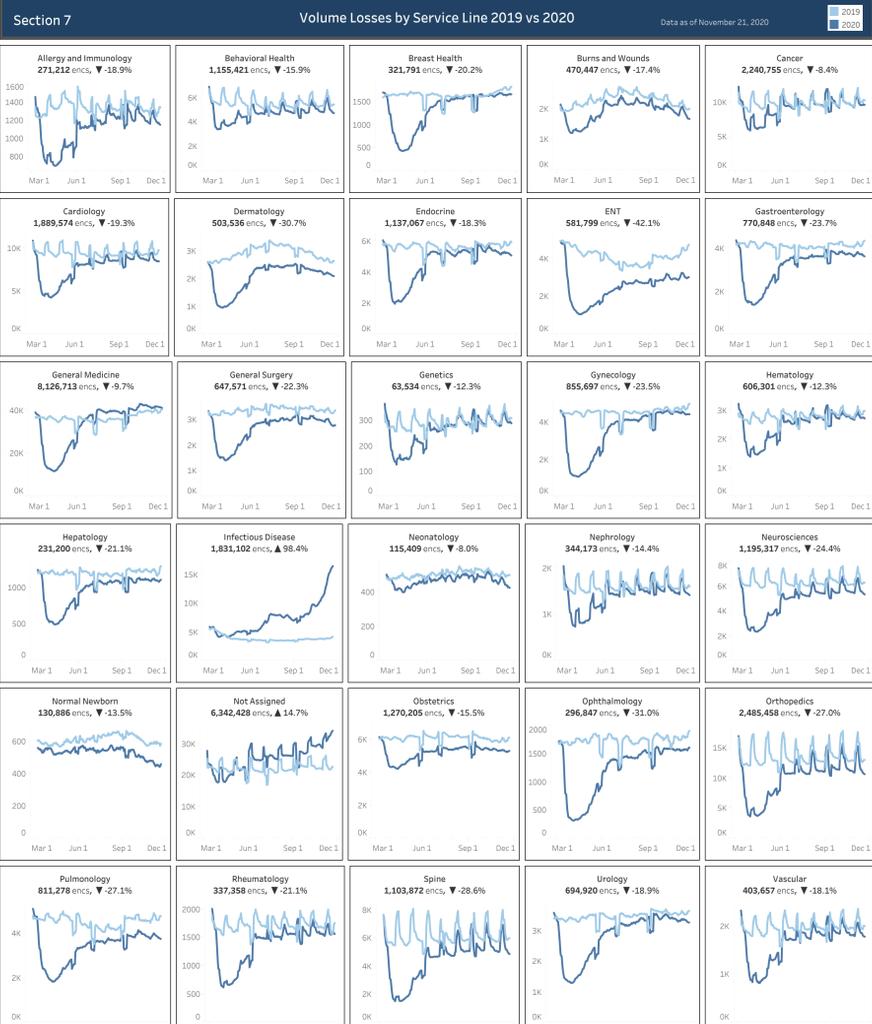
Section 6 Sg2 Service Line Percent Change Last 14 Days

Data Compares Service Line Volume Changes for the weeks of November 09, 2020 - November 14, 2020 to the weeks of November 15, 2020 - November 21, 2020

Allergy and Immunology	▼ -2.5%	Hepatology	▲ 1.5%
Behavioral Health	▼ -4.8%	Infectious Disease	▲ 7.7%
Breast Health	▲ 0.5%	Neonatology	▼ -3.7%
Burns and Wounds	▼ -6.8%	Nephrology	▼ -3.2%
Cancer	▲ 0.5%	Neurosciences	▼ -4.4%
Cardiology	▼ -1.6%	Normal Newborn	▲ 2.1%
Dermatology	▼ -2.9%	Obstetrics	▲ 0.7%
Endocrine	▼ -3.1%	Ophthalmology	▲ 1.8%
ENT	▲ 0.2%	Orthopedics	▼ -6.1%
Gastroenterology	▼ -2.8%	Pulmonology	▼ -2.8%
General Medicine	▼ -1.4%	Rheumatology	▲ 0.4%
General Surgery	▼ -0.7%	Spine	▼ -5.1%
Genetics	▼ -1.3%	Urology	▼ -2.3%
Gynecology	▲ 0.2%	Vascular	▼ -4.1%
Hematology	▼ -0.6%		

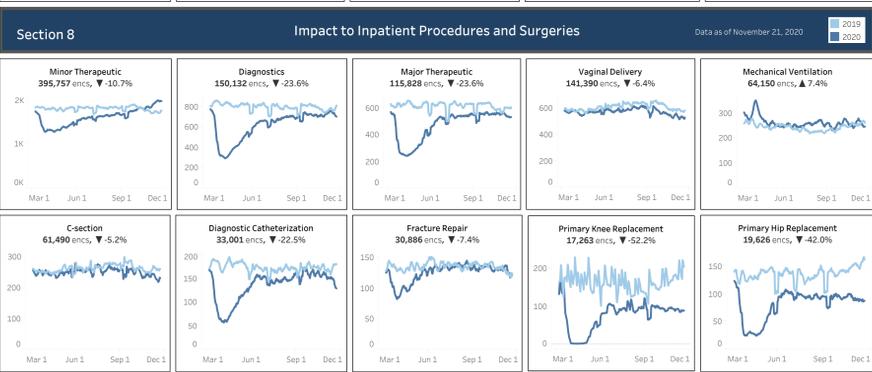
Section 7 Volume Losses by Service Line 2019 vs 2020

Data as of November 21, 2020



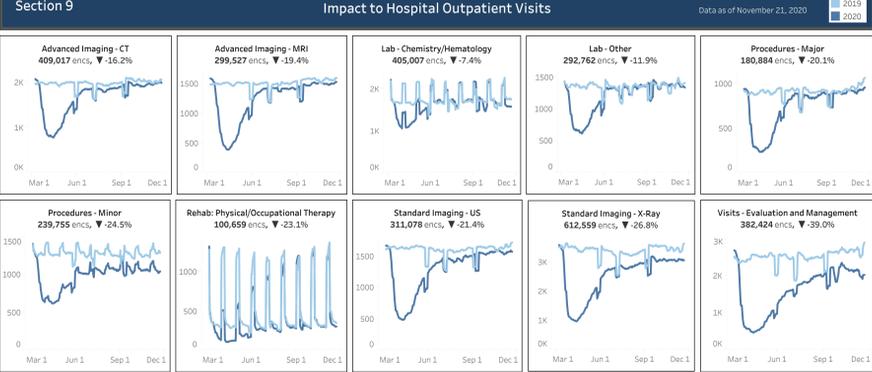
Section 8 Impact to Inpatient Procedures and Surgeries

Data as of November 21, 2020



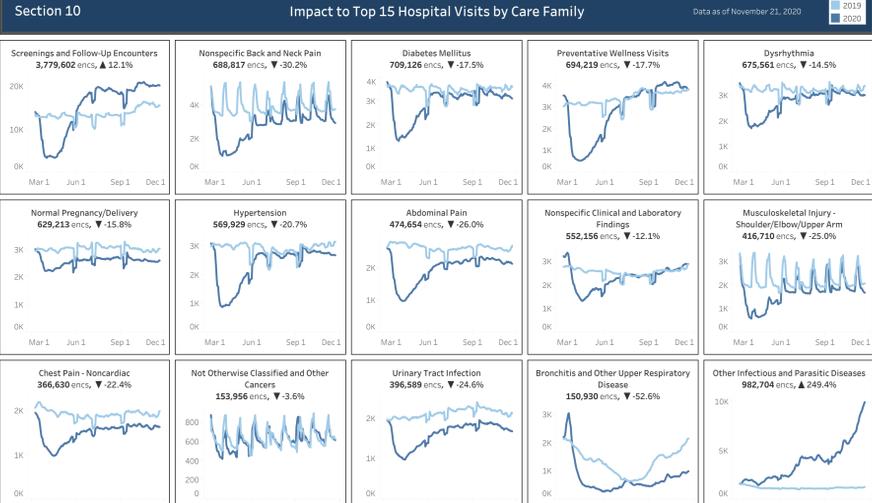
Section 9 Impact to Hospital Outpatient Visits

Data as of November 21, 2020



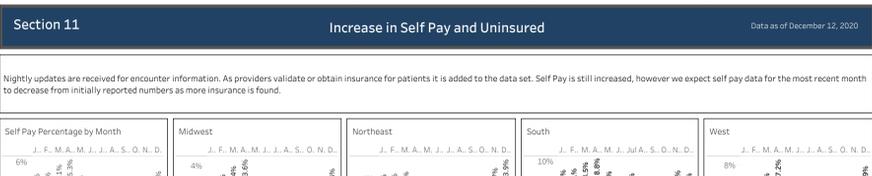
Section 10 Impact to Top 15 Hospital Visits by Care Family

Data as of November 21, 2020



Section 11 Increase in Self Pay and Uninsured

Data as of December 12, 2020



Nightly updates are received for encounter information. As providers validate or obtain insurance for patients it is added to the data set. Self Pay is still increased, however we expect self pay data for the most recent month to decrease from initially reported numbers as more insurance is found.

Data Source: 59 StrataspHERE health systems with decision support and valid coded encounter data available for both 2019 and 2020. Strata reviewed a total of 10 million encounters for matching timeframes in 2019 and 2020. All hospital billing encounters with nonzero charges were pulled.

Analysis of volumes and payer source of admissions, observation stays, emergency room and hospital outpatient visits trends 2020 compared to 2019.

*Timeframe: January 1, 2020 to December 12, 2020.
Data Processing/Considerations: +All encounters with Total Charge = 0 are removed from the encounter count. Once the encounter has charges greater than 0 it will then be included in the encounter count.
+Self Pay: The hospital billing encounter's primary insurance plan and financial class were analyzed to identify patients that did not have insurance.

Analysis of impact of COVID-19 on volumes and revenue by clinical service line and sub service lines

*Timeframe: Baseline: Admit dates between March 20 and November 21, 2019. COVID era: Admit dates between March 20 and November 21, 2020.
The COVID era timeline was chosen to reflect the first full weeks of widespread closures and shelter-in-place orders. The end date was chosen to ensure sufficient time for patient discharge and diagnosis coding to take place. The time frame will be expanded as time passes.
Data Processing: All encounters were run through the 2021 Sg2 Care Groups™ to obtain service lines and CARE families.
Methodology and Output: For all columns, data was aggregated by either service line or CARE family, and the metrics were calculated using the aggregate values.
+Baseline encounters: Total number of encounters in the 2019 time frame.
+COVID-era encounters: Total number of encounters in the 2020 time frame.
+Volume loss: Baseline encounters minus COVID-era encounters.
+Percent volume loss: Volume loss divided by baseline encounters.