National Patient and Procedure Volume Tracker™

Provider Update November 25, 2020

Inpatient admissions are ticking up a few percentage points over the past 14 days through November 7th, with the Midwest leading the way. Infectious disease is climbing dramatically with yet another huge increase of 72.2% versus 66.9% in the last report (Section 6). While the service line data lags some events data and is through October 17th - Service Line and procedure volumes are showing a slowing trend in the last 14 days, with the exception of Cardiology, which has been on a steady upward trend the last month. Outpatient care does seem to be holding firm and in fact catching up for screening and wait visits.

The data is borne Apart.sh Stratis aggregated data from a cohort of 295 hospitals in 33 healthcare delivery systems. The breakdown of hospitals by U.S. Census Region is below.

Census Region				
Midwest	Northeast	South	West	Grand Total
129	35	101	30	295

Section 1 — Admission Stays and Visits Recent Volume Changes

Data as of November 7, 2020

30 Day Change Compare to 2019	14 Day Change Compare to 2019
Daily Inpatient Admissions ▼ -6.2%	▼ -3.7%
Daily Observation Visits ▼ -13.2%	▼ -10.2%
Daily Emergency Visits ▼ -10.9%	▼ -10.5%
Daily Outpatient Visits ▲ 1.2%	▲ 0.7%

Census Region	Metric	30 Day Change Compare to 2019	14 Day Change Compare to 2019
Midwest	Daily Inpatient Admissions	▼ -2.3%	▼ -2.1%
	Daily Observation Visits	▼ -10.2%	▼ -8.2%
	Daily Emergency Visits	▼ -8.7%	▼ -8.2%
	Daily Outpatient Visits	▲ 3.9%	▲ 3.3%
Northeast	Daily Inpatient Admissions	▼ -9.9%	▼ -6.9%
	Daily Observation Visits	▼ -21.9%	▼ -16.6%
	Daily Emergency Visits	▼ -13.4%	▼ -13.3%
	Daily Outpatient Visits	▲ 4.9%	▲ 5.2%
South	Daily Inpatient Admissions	▼ -7.9%	▼ -5.1%
	Daily Observation Visits	▼ -10.6%	▼ -10.8%
	Daily Emergency Visits	▼ -12.9%	▼ -12.8%
	Daily Outpatient Visits	▲ 0.4%	▲ 0.3%
West	Daily Inpatient Admissions	▼ -12.1%	▼ -14.9%
	Daily Observation Visits	▼ -12.1%	▼ -14.9%
	Daily Emergency Visits	▲ 0.2%	▲ 2.2%

Change in Last 30 Days	Change in Last 14 Days
Daily Inpatient Admissions ▼ -2.4%	▲ 0.5%
Daily Observation Visits ▼ -5.1%	▼ -4.1%
Daily Emergency Visits ▼ -2.8%	▼ -2.1%
Daily Outpatient Visits ▼ -0.3%	▲ 1.1%

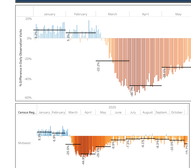
Census Region	Metric	Change in Last 30 Days	Change in Last 14 Days
Midwest	Daily Inpatient Admissions	▼ -2.9%	▲ 1.4%
	Daily Observation Visits	▼ -3.9%	▼ -2.2%
	Daily Emergency Visits	▼ -2.8%	▼ -1.6%
	Daily Outpatient Visits	▼ -0.6%	▲ 0.9%
Northeast	Daily Inpatient Admissions	▼ -4.1%	▼ -7.1%
	Daily Observation Visits	▼ -13.6%	▼ -12.5%
	Daily Emergency Visits	▼ -3.4%	▼ -2.3%
	Daily Outpatient Visits	▼ -0.5%	▲ 1.8%
South	Daily Inpatient Admissions	▼ -3.4%	▲ 0.8%
	Daily Observation Visits	▼ -3.4%	▼ -2.8%
	Daily Emergency Visits	▼ -2.9%	▲ 0.3%
	Daily Outpatient Visits	▼ -0.7%	▲ 0.5%
West	Daily Inpatient Admissions	▼ -3.7%	▲ 1.7%
	Daily Observation Visits	▼ -3.7%	▲ 1.7%
	Daily Emergency Visits	▼ -2.1%	▲ 0.2%
	Daily Outpatient Visits	▼ -7.9%	▲ 6.9%

Section 2 — Inpatient Admissions Daily Percent Change Compared to 2019

Data as of November 7, 2020

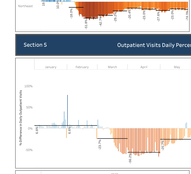
Section 3 — Observation Visits Daily Percent Change Compared to 2019

Data as of November 7, 2020



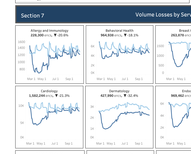
Section 4 — Emergency Visits Daily Percent Change Compared to 2019

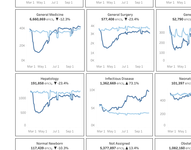
Data as of November 7, 2020



Section 5 — Outpatient Visits Daily Percent Change Compared to 2019

Data as of November 7, 2020





Section 6 — Sg2 Service Line Percent Change Last 14 Days

Data Compare Service Line Volume Changes for the weeks of 10/4 - 10/10/2020 to the weeks of 10/11 - 10/17/2020

Allergy and Immunology ▼ -2.1%	Hepatology ▼ -2.6%
Behavioral Health ▼ -7.6%	Infectious Disease ▼ -7.9%
Breast Health ▼ -4.2%	Neonatology ▼ -11.4%
Burns and Wounds ▼ -4.3%	Nephrology ▼ -3.9%
Cancer ▼ -3.9%	Neurosciences ▼ -5.5%
Cardiology ▼ -4.9%	Normal Newborn ▼ -2.2%
Dermatology ▼ -1.8%	Obstetrics ▼ -2.1%
Endocrine ▼ -3.5%	Ophthalmology ▼ -5.4%
ENT ▼ -8.6%	Orthopedics ▼ -14.8%
Gastroenterology ▼ -2.2%	Pulmonology ▼ -7.9%
General Medicine ▼ -1.6%	Rheumatology ▼ -5.1%
General Surgery ▼ -3.8%	Spine ▼ -11.9%
Genetics ▼ -1.7%	Urology ▼ -3.4%
Gynecology ▼ -4.7%	Vascular ▼ -5.7%
Hematology ▼ -2.9%	

Section 7 — Volume Losses by Service Line 2019 vs 2020

Data as of October 17, 2020

Section 8 — Impact to Inpatient Procedures and Surgeries

Data as of October 17, 2020

Section 9 — Impact to Hospital Outpatient Visits

Data as of October 17, 2020

Section 10 — Impact to Top 15 Hospital Visits by Care Family

Data as of October 17, 2020

Section 11 — Increase in Self Pay and Uninsured

Data as of November 7th, 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: 295 US hospitals/health systems' data feeds for support and staff encounters from January 1, 2019 to November 7, 2020. Encounters are matched by year of LOS-to-encounters for matching month/years in 2019 and 2020. All hospital billing practices with network changes were pulled.

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

- TimePeriod: January 1, 2020 to November 7, 2020.
- Cohort: Hospitals in the US.
- All encounters with Total Charges ≥ 0 are removed from the encounter count. Once this encounter has charges greater than 0 it will then be included in the encounter count.
- Self Pay: The hospital billing and payer'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 line.

- TimePeriod:
- COVID-19 Cohort dates between March 10 and October 17, 2020.
- COVID-ers: Admissions was chosen to reflect the first full weeks of widespread closures and shelter in place orders. The end date was chosen to reflect the last full week of data at the time of the analysis. Patients with a COVID-19 ICD-10 code in any encounter.
- Data Processing: All encounters were run through the APR-DRG Risk Grouper (3M) to obtain service lines and CMS Service Line Methodology and Output.
- Data Analysis: Volumes were aggregated by either service line or CARE family, and the metrics were calculated using the aggregate values. The columns in the output were calculated as follows:
- Baseline encounters: Total number of encounters in the 2019 time frame.
- Current encounters: Total number of encounters in the 2020 time frame.
- Volume loss: Baseline encounters minus COVID encounters.
- Percent volume loss: Volume loss divided by baseline encounters.

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