# National Patient and Procedure Volume Tracker™

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Welcome to the new, updated, and easy to use format of the National Patient and Procedure Tracker. Please note, we've updated our source, other visits, so there are likely to be some variations in the trends.

In June, we have used a continued surge in volumes as the country re-opens. In fact, the point up delivered in raising outpatient volumes above 2019 levels. Emergency room visits are still down significantly, while admissions and observation visits have returned to their pre-pandemic levels. The 14-day trend is also positive.

Service-line data is through May 31st and showing growth in screening-oriented and less invasive areas such as breast health, gynecology and gastroenterology. Certain CMS "non-essential" procedures, which were mandated to be postponed during the pandemic, have started to rebound and are back to 2019 levels for the first time since March of 2020.

Cardiology, orthopedics and even spine procedures are growing short from a year-over-base. We expect to see more to be near-missing volume return in these areas as the country continues to make further strides in closing the gap between the volume that we've seen in our aggregate service and the volume levels we'd normally see this time of year.

Finally, we've added a new section to the report this month, which is a deep dive into the impact of COVID-19 on volumes and revenue by clinical service line and sub-service lines. Please see the section for the definition of these health systems that are not shared with the larger report.

The data is a same-team at three aggregated data from a cohort of 200 hospitals in 30 states that are primary systems. The breakdown of hospitals by U.S. Census Region is below.

| Census Region | | | | |
|---|---|---|---|---|
| Midwest | Northeast | South | West | Grand Total |
| 104 | 30 | 78 | 31 | 243 |

## Section 1 — Admission Stays and Visits Recent Volume Changes

Data as of June 13, 2020

| | 30 Day Change Compare to 2019 | 14 Day Change Compare to 2019 | | Change in Last 30 Days | Change in Last 14 Days |
|---|---|---|---|---|---|
| DailyInpatientAdmissions | ▼ 12.1% | ▼ 9.9% | DailyInpatientAdmissions | ▲ 12.8% | ▲ 15.2% |
| DailyObservationVisits | ▼ 20.5% | ▼ 17.7% | DailyObservationVisits | ▲ 14.3% | ▲ 15.5% |
| DailyEmergencyVisits | ▼ 28.2% | ▼ 25.2% | DailyEmergencyVisits | ▲ 14.0% | ▲ 9.0% |
| DailyOutpatientVisits | ▲ 2.5% | ▲ 7.6% | DailyOutpatientVisits | ▲ 18.9% | ▲ 19.8% |

| Census Region | Metric | 30 Day Change Compared to Same Period 2019 | 14 Day Change Compared to Same Period 2019 |
|---|---|---|---|
| Midwest | DailyInpatientAdmissions | ▼ 12.2% | ▼ 9.7% |
| | DailyObservationVisits | ▼ 6.6% | ▼ 4.8% |
| | DailyEmergencyVisits | ▼ 15.3% | ▼ 11.9% |
| | DailyOutpatientVisits | ▲ 5.3% | ▲ 10.4% |
| Northeast | DailyInpatientAdmissions | ▼ 16.8% | ▼ 14.6% |
| | DailyObservationVisits | ▼ 31.0% | ▼ 28.7% |
| | DailyEmergencyVisits | ▼ 35.3% | ▼ 32.1% |
| | DailyOutpatientVisits | ▲ 4% | ▲ 3% |
| South | DailyInpatientAdmissions | ▼ 10.4% | ▼ 7.3% |
| | DailyObservationVisits | ▼ 16.3% | ▼ 13.1% |
| | DailyEmergencyVisits | ▼ 25.2% | ▼ 22.3% |
| | DailyOutpatientVisits | ▲ 0.2% | ▲ 5.5% |
| West | DailyInpatientAdmissions | ▼ 12.4% | ▼ 9.7% |
| | DailyObservationVisits | ▼ 18.6% | ▼ 15.7% |
| | DailyEmergencyVisits | ▼ 18.6% | ▼ 15.7% |
| | DailyOutpatientVisits | ▲ 8.4% | ▲ 14.8% |

| Census Region | Metric | Change in Last 30 Days | Change in Last 14 Days |
|---|---|---|---|
| Midwest | DailyInpatientAdmissions | ▲ 12.7% | ▲ 9.9% |
| | DailyObservationVisits | ▲ 10.9% | ▲ 8.3% |
| | DailyEmergencyVisits | ▲ 9.4% | ▲ 4.3% |
| | DailyOutpatientVisits | ▲ 17.2% | ▲ 17% |
| Northeast | DailyInpatientAdmissions | ▲ 12.7% | ▲ 9.9% |
| | DailyObservationVisits | ▲ 10.9% | ▲ 8.3% |
| | DailyEmergencyVisits | ▲ 9.4% | ▲ 4.3% |
| | DailyOutpatientVisits | ▲ 17.2% | ▲ 17% |
| South | DailyInpatientAdmissions | ▲ 10.9% | ▲ 9.9% |
| | DailyObservationVisits | ▲ 14.3% | ▲ 13.5% |
| | DailyEmergencyVisits | ▲ 11.5% | ▲ 10.5% |
| | DailyOutpatientVisits | ▲ 19.4% | ▲ 19.8% |
| West | DailyInpatientAdmissions | ▲ 10.9% | ▲ 9.9% |
| | DailyObservationVisits | ▲ 14.3% | ▲ 13.5% |
| | DailyEmergencyVisits | ▲ 11.5% | ▲ 10.5% |
| | DailyOutpatientVisits | ▲ 19.4% | ▲ 19.8% |

## Section 2 — Inpatient Admissions Daily Percent Change Compared to 2019

Data as of June 13, 2020







## Section 3 — Observation Visits Daily Percent Change Compared to 2019

Data as of June 13, 2020







## Section 4 — Emergency Visits Daily Percent Change Compared to 2019

Data as of June 13, 2020







## Section 5 — Outpatient Visits Daily Percent Change Compared to 2019

Data as of June 13, 2020





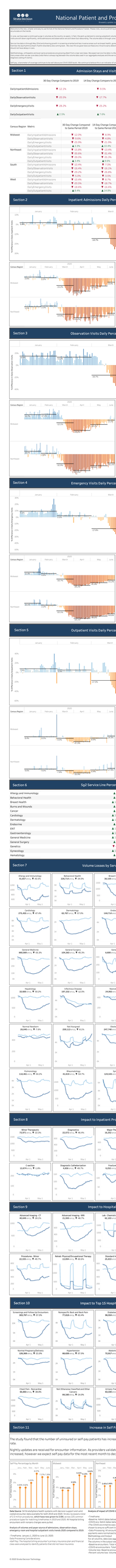

## Section 6 — Sg2 Service Line Percent Change Last 14 Days

Data Compare Service Line Volume Changes for the weeks of 5/31 - 6/13/2020 for the weeks of 6/28 - 6/12/20

| | | | |
|---|---|---|---|
| Allergy and Immunology | ▲ 8.8% | Hepatology | ▲ 5.7% |
| Behavioral Health | ▲ 3.3% | Infectious Disease | ▼ 3.3% |
| Breast Health | ▲ 16.7% | Neonatology | ▼ 0.6% |
| Burns and Wounds | ▲ 7.1% | Nephrology | ▲ 8.1% |
| Cancer | ▲ 8.4% | Neurosciences | ▲ 13.6% |
| Cardiology | ▲ 15.7% | Normal Newborn | ▲ 2.7% |
| Dermatology | ▲ 13.5% | Obstetrics | ▲ 5.1% |
| Endocrine | ▲ 11.3% | Ophthalmology | ▲ 17.3% |
| ENT | ▲ 11.9% | Orthopedics | ▲ 12.9% |
| Gastroenterology | ▲ 14.3% | Pulmonology | ▲ 13.3% |
| General Medicine | ▲ 11.9% | Rheumatology | ▲ 13.5% |
| General Surgery | ▲ 8.1% | Spine | ▲ 14.4% |
| Genetics | ▼ 6.4% | Urology | ▲ 8.7% |
| Gynecology | ▲ 11.7% | Vascular | ▲ 4.2% |
| Hematology | ▲ 3.1% | | |

## Section 7 — Volume Losses by Service Line 2019 vs 2020

Data as of May 22, 2020




## Section 8 — Impact to Inpatient Procedures and Surgeries

Data as of May 31, 2020




## Section 9 — Impact to Hospital Outpatient Visits

Data as of May 22, 2020




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

Data as of May 29, 2020




## Section 11 — Increase in Self Pay and Uninsured

Data as of June 13, 2020

The study found that the number of uninsured or self-pay patients has increased in the last 90 days, mirroring the rise in the national unemployment rate.

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**: 34 StrataSphere health systems with decision support and valid charge data were used to determine the impact of COVID-19 on self-pay and uninsured. Of 2.9 million procedures, **which have now grown to 3.6M**, across 225 common procedure types for matching timeframes in 2019 and 2020. All hospital billing encounters with revenues charges were pulled.

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

- Timeframe: January 1, 2020 to June 13, 2020
- Comparison: Same period in 2019
- Payer: 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:
- Health systems were aggregated by either service line or CARE family, and the metrics were calculated using the aggregate values.
- The volumes in the analysis were calculated as follows:
  - Baseline encounters: Total number of encounters in the 2019 time frame.
  - Actual 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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