

U.S. Healthcare Dynamics: An In-depth Analysis (2019-2020)

Welcome to our meticulously crafted U.S. Healthcare Analytics Dashboard, where we commence on a profound exploration of the healthcare landscape spanning from 2019 to 2020. This project is meticulously designed to provide an insightful analysis of key facets within the U.S. healthcare system. Unfolding as a narrative, each page of this dashboard reveals a different chapter, offering profound insights and valuable learnings within the intricate world of U.S. healthcare. Join me on this journey into the heartbeat of healthcare, where every word is carefully chosen to provide a meaningful exploration of the evolving landscape from 2019 to 2020.

1. Executive Summary:

Begin your journey with a high-level overview of pivotal trends and metrics that have shaped the U.S. healthcare landscape during the years 2019 to 2020. This section provides a snapshot of the overarching insights derived from our comprehensive analysis.

2. Hospital Analysis:

Dive into a thorough examination of healthcare institutions, scrutinizing performance metrics, patient outcomes, and operational efficiency. Discover patterns that can guide strategic decision-making for healthcare providers.

3. Patient Analysis:

Explore patient-centric data to unravel demographic trends, treatment effectiveness, and overall patient experience. This section aims to enhance the understanding of healthcare delivery from the perspective of those receiving care.

4. Payer-Provider Analysis:

Delve into the intricate dynamics between payers and healthcare providers. Analyze financial interactions, reimbursement trends, and collaborative opportunities for a nuanced perspective on the industry.

5. Monthly Expenses Overview:

Obtain a comprehensive snapshot of monthly expenses across various facets of the healthcare system. Identify areas for optimization and efficiency, fostering informed financial management within the industry.

Purpose of the Analysis:

This data analysis project, titled "U.S. Healthcare Dynamics," is driven by the goal of providing valuable insights to healthcare stakeholders. By deciphering complex trends and patterns, the objective is to empower decision-makers, healthcare professionals, and policymakers to make informed choices that enhance the overall efficiency and effectiveness of the U.S. healthcare system.

Thank you for joining me on this insightful journey. Your active engagement with these findings is instrumental in shaping the future of healthcare. Together, we're not just analyzing data; we're fostering a collective understanding that will influence meaningful change. Your thoughtful consideration and involvement humanize the impact of these insights, contributing to a healthcare landscape that prioritizes efficiency, compassion, and progress. I appreciate your commitment to this shared endeavor, as we navigate towards a healthier and more resilient future for all.



U.S. Healthcare Dynamics: 2019-2020

EXECUTIVE SUMMARY

13.0M

Total Expenses

7.5M

Insurance Revenue

1.5M

Patient Revenue

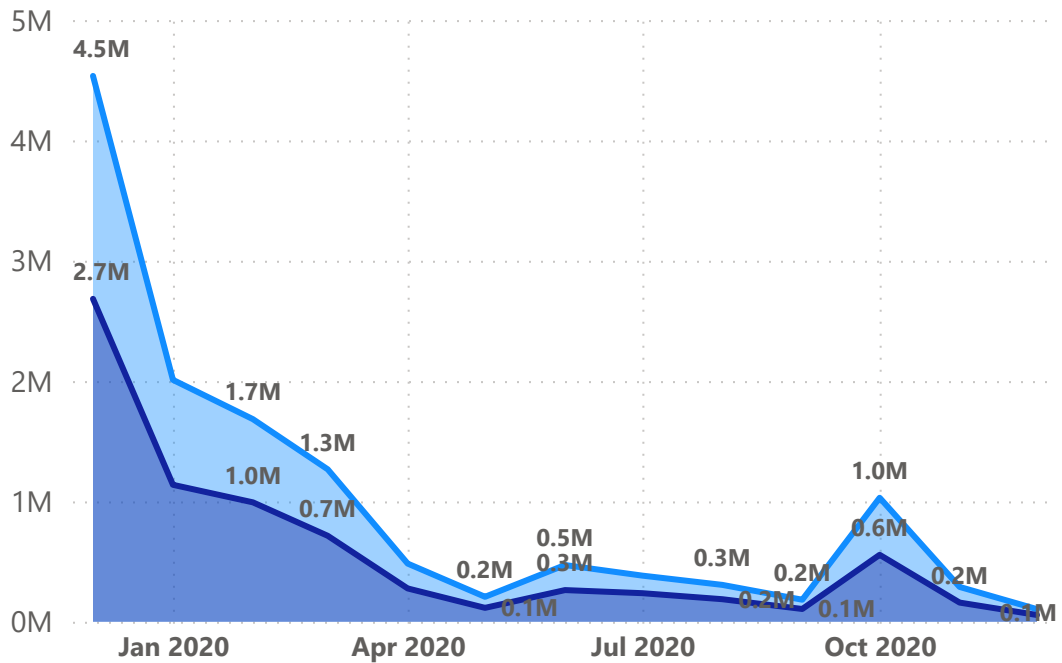
5117

Total Patients

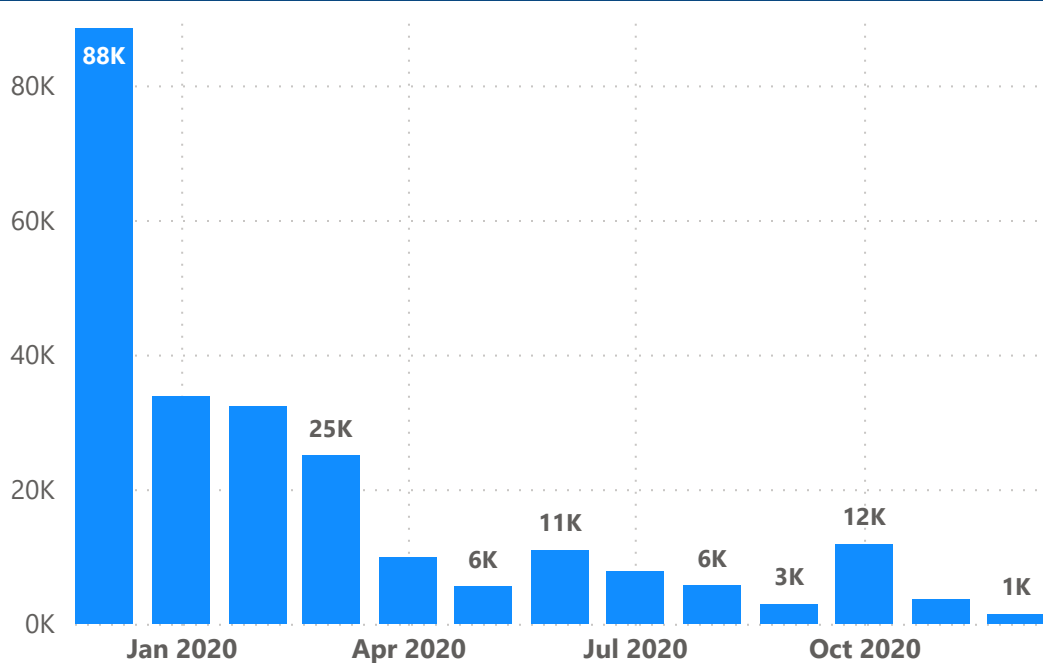
9.0M

Total Payment

Monthly Expenses Trends



CPT Units Monthly Distribution



Monthly Patient Revenue

13.9K!

Goal: 201.2K (-93.08%)

Monthly Net Revenue

70.4K!

Goal: 201.2K (-65.01%)

Monthly Procedure Volume

1457!

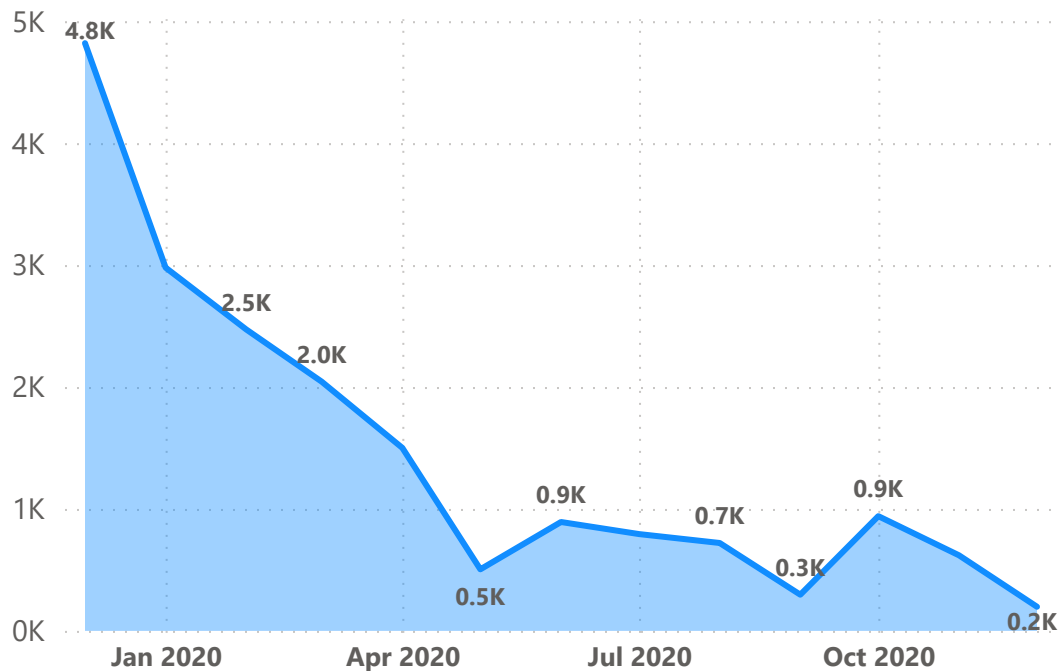
Goal: 201,153 (-99.28%)

Monthly Insurance Revenue

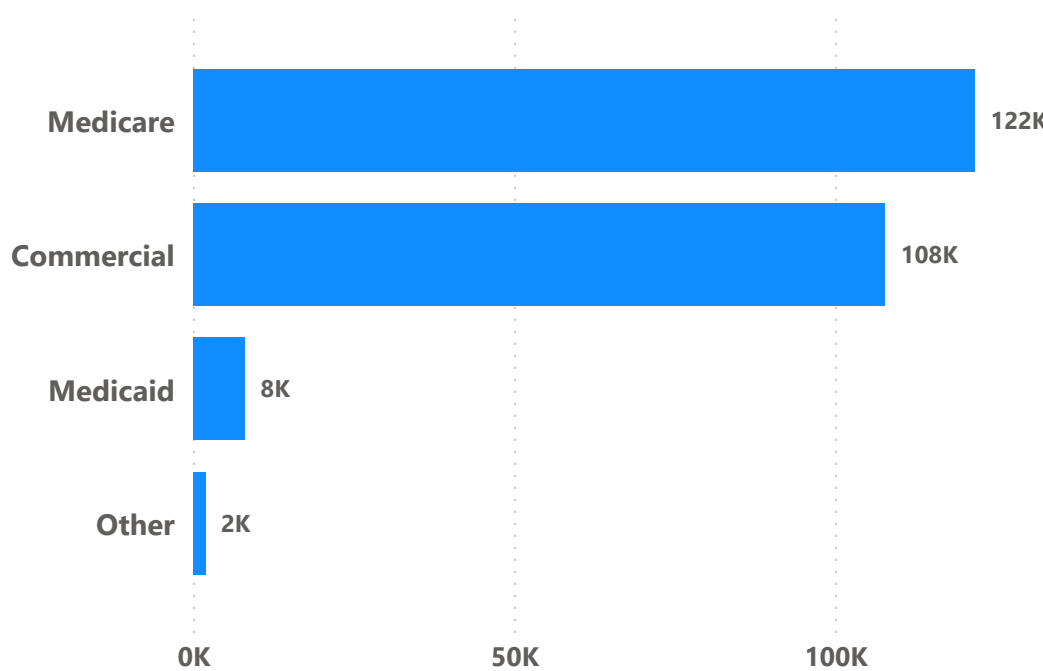
56.5K!

Goal: 201.2K (-71.93%)

Patient Growth Over Time



Payer-wise CPT Units



Yearly Avg. Patient Payment Trend

19.44!

Goal: 8.92M (-100%)

Monthly Payment Performance

5.83M✓

Goal: 201.15K (+2796.28%)

Optimized Quarterly Expenditure

5.96M✓

Goal: 1.03M (+477.44%)

Deficit Reduction Efficiency - Monthly

1.41M✓

Goal: 201.15K (+600.75%)



Hospital Performance Overview

4.0M

Account Receivable

11

Hospital Count

239K

Procedure Count (CPT Units)

10

CPT Grouping

Hospital

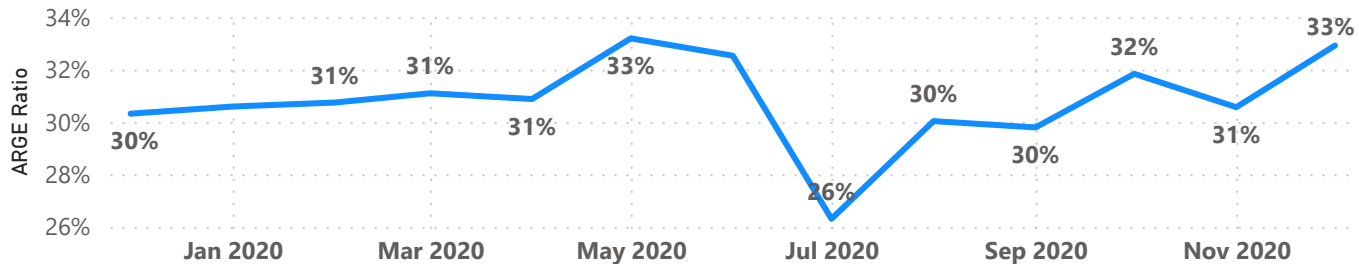
- ☐ Angelstone ...
- ☐ Big Heart Co...
- ☐ Evergreen Cli...
- ☐ Fairmont Ho...
- ☐ Fairview Gen...
- ☐ Genesis Hos...
- ☐ Guardian Me...
- ☐ Memorial M...
- ☐ Pioneer Clinic
- ☐ Principal Me...
- ☐ Twin Mounta...

Region

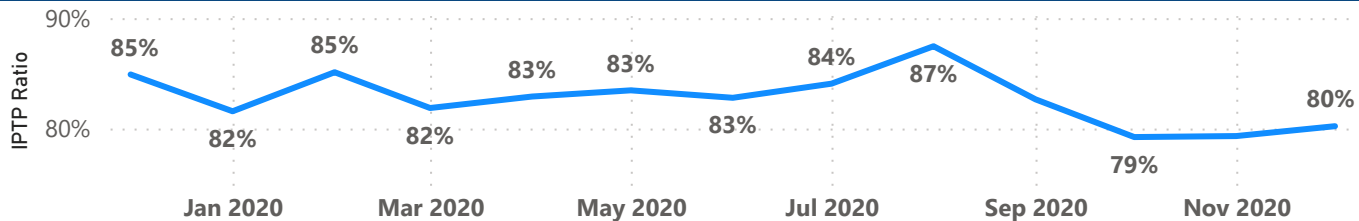
- ☐ Midwest
- ☐ Northeast
- ☐ South
- ☐ West

This slicer allows you to dynamically filter data, providing insights tailored to specific geographical areas.

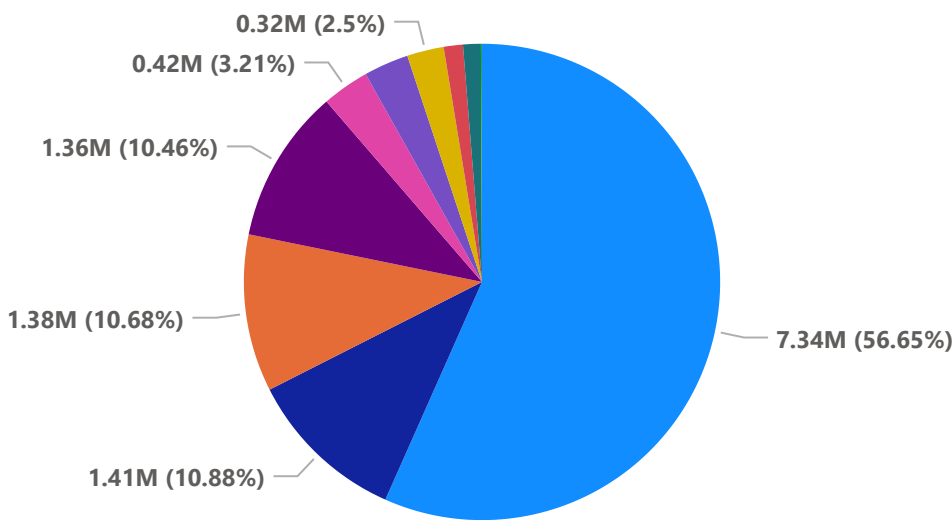
Monthly ARGE Ratio Trend



Monthly IPTP Ratio Trend



Gross Expenses by CptGrouping

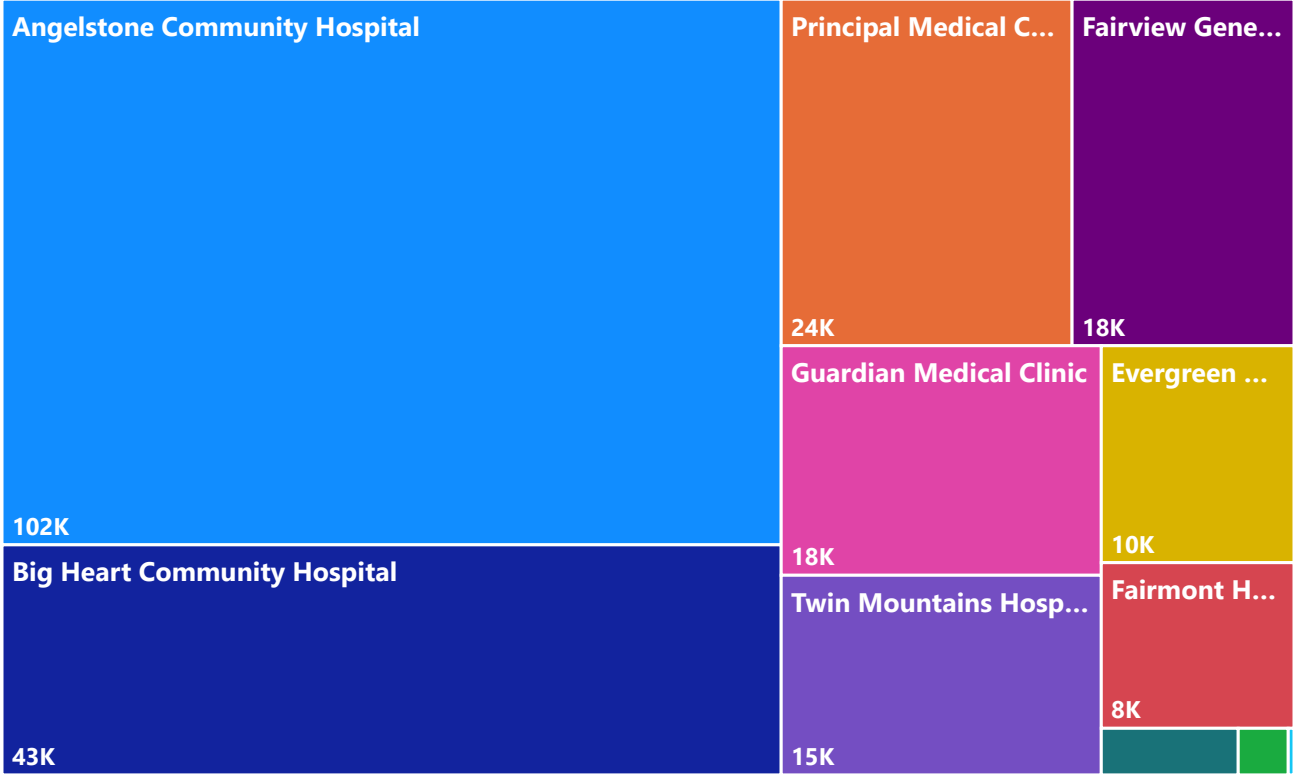


Critical Hospital Metrics Overview

Table presenting critical metrics for hospitals requiring attention.

HospitalName	AR	IPTP Ratio	ARGE Ratio	BadDebts
Angelstone Community Hospital	● 1,707,407.24	83%	31%	1,514.62
Big Heart Community Hospital	▲ 777,247.26	85%	30%	
Evergreen Clinic	◆ 230,188.85	83%	31%	1,439.00
Fairmont Hospital Center	◆ 78,005.78	84%	29%	
Fairview General Hospital	◆ 266,246.44	83%	31%	
Genesis Hospital Center	◆ 360.50	90%	19%	
Guardian Medical Clinic	◆ 347,571.56	82%	31%	
Memorial Medical Center	◆ 23,188.70	80%	28%	
Pioneer Clinic	◆ 13,816.68	84%	30%	
Principal Medical Clinic	◆ 365,812.95	82%	30%	
Total	▲ 3,971,801.76	83%	31%	2,968.48

CPT Units Distribution by Hospital





Patient Outcome Analysis

5117

Distinct Patients

84.0K

Total Patients Enrolled

49

Total States

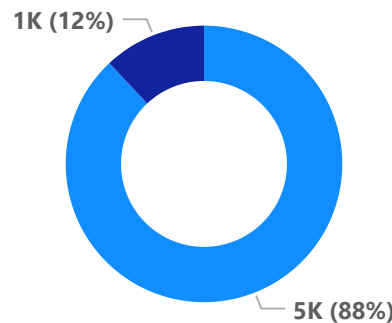
531

Total Cities

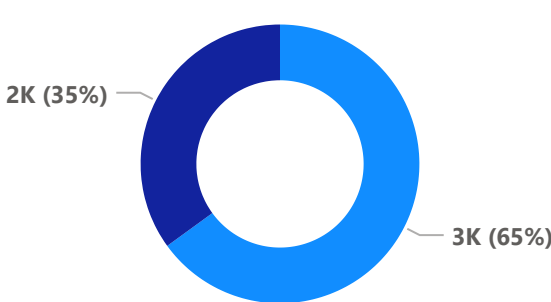
44

Average Patient Age

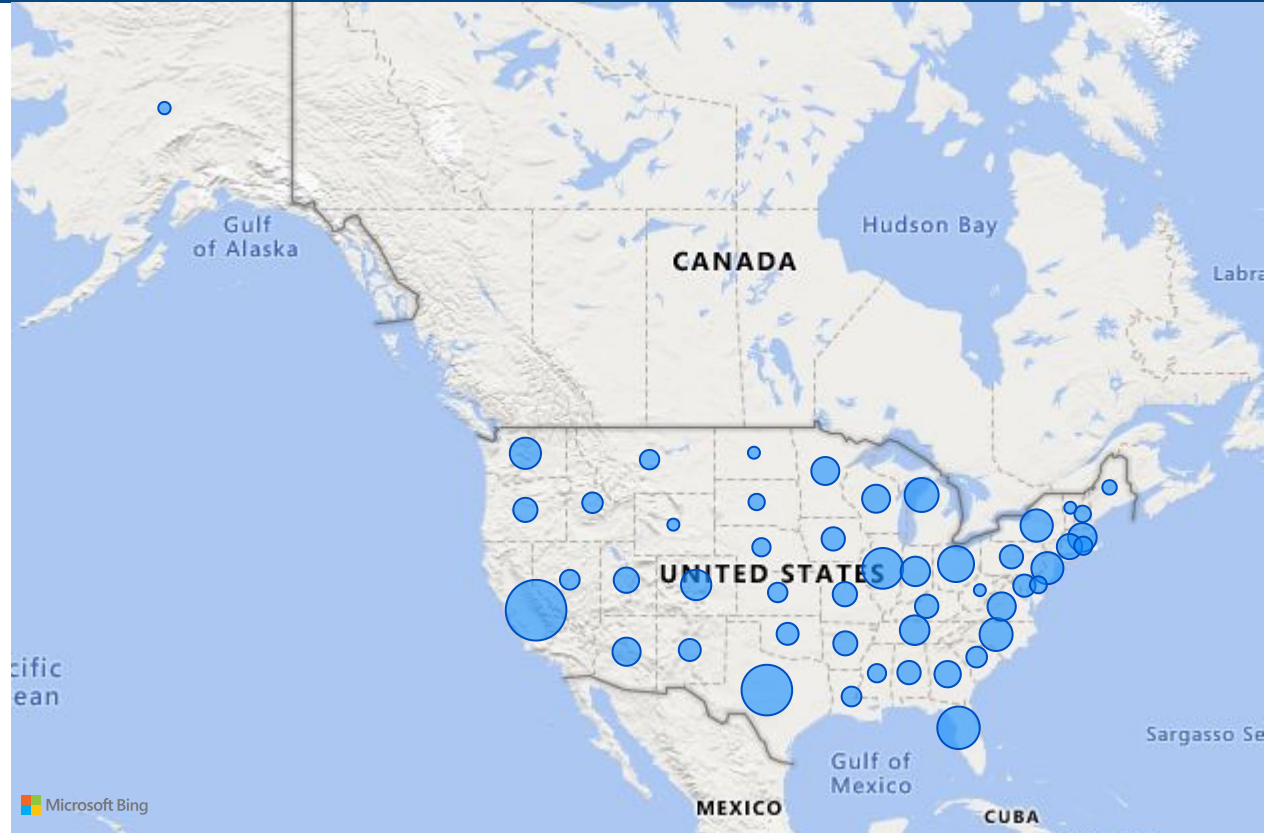
Patient by Tobacco



Patient By Exercise



Distribution of Patient by State



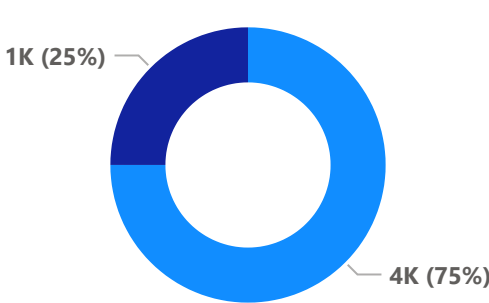
Gender



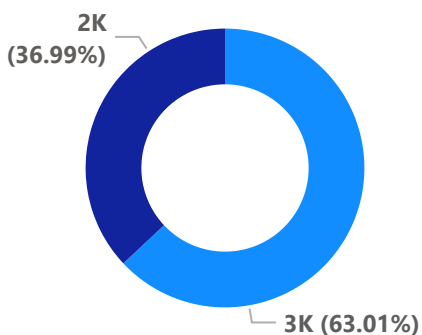
Region



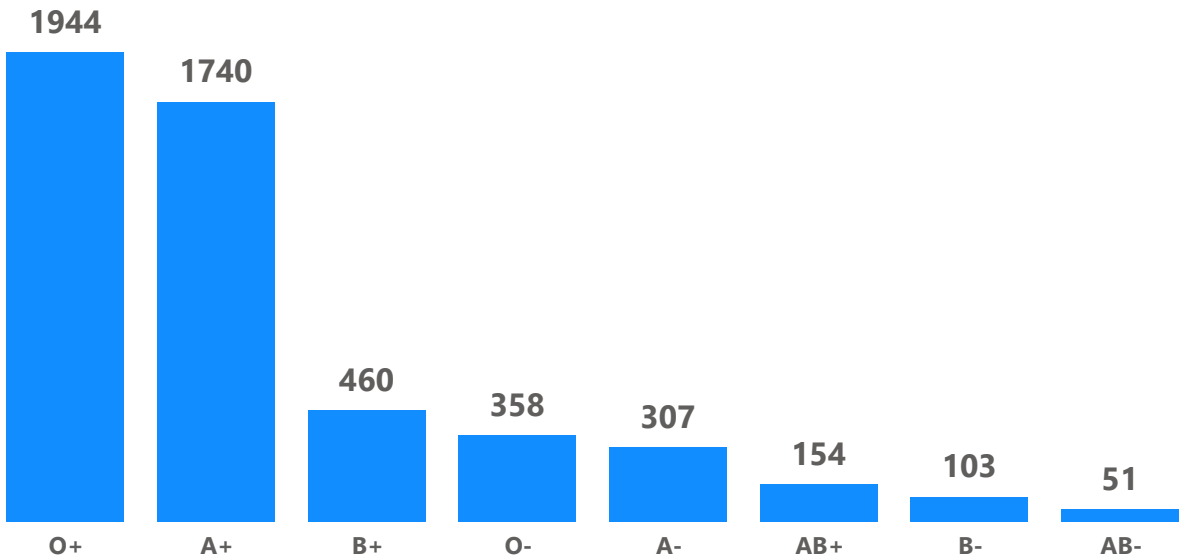
Patient by Diet



Patient by Alcohol



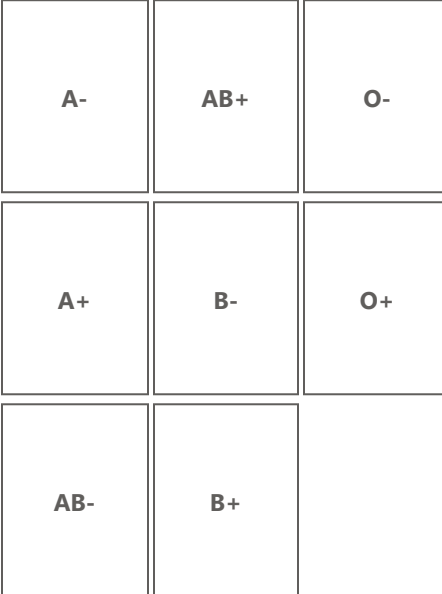
Distinct Patients by BloodGroup



Patient Gender Distribution by State

State	Female	Male
Alabama	34	34
Alaska	7	2
Arizona	60	52
Arkansas	39	35
California	396	289
Colorado	67	68
Connecticut	16	29
Total	3006	2111

Blood Group



PATIENT ANALYSIS



Healthcare Provider Metrics

931
Distinct Provider

712
Total FTE Employees

34
Specialty Provider Count

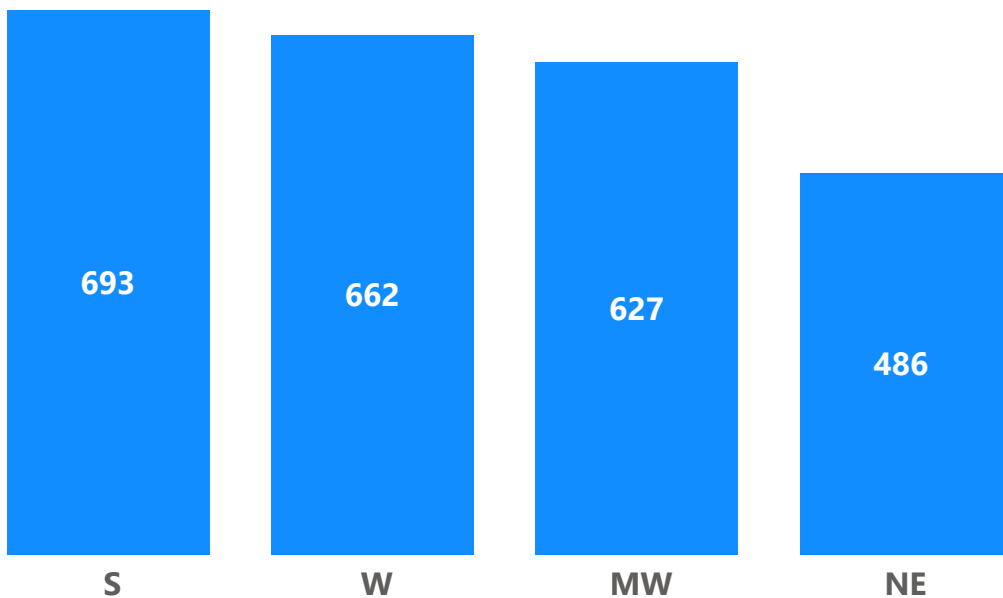
531
City Count

Gender

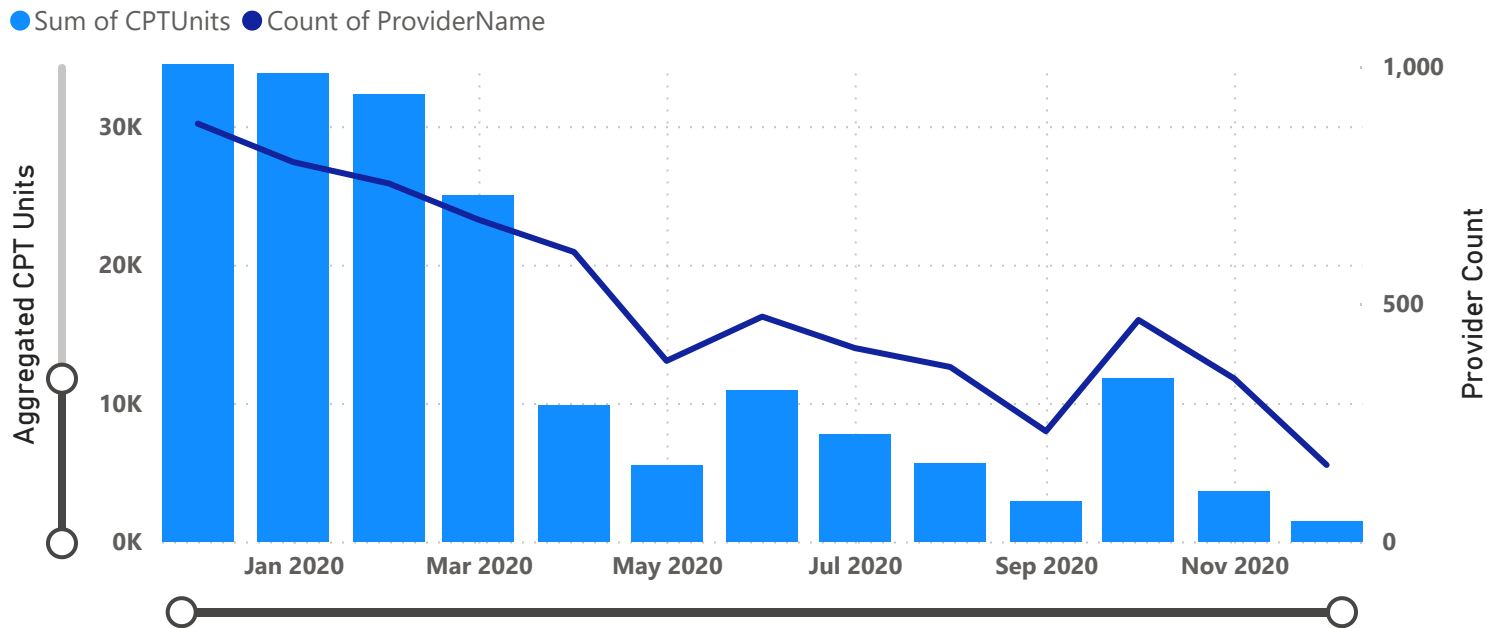
Female

Male

Regional Physician Count Analysis



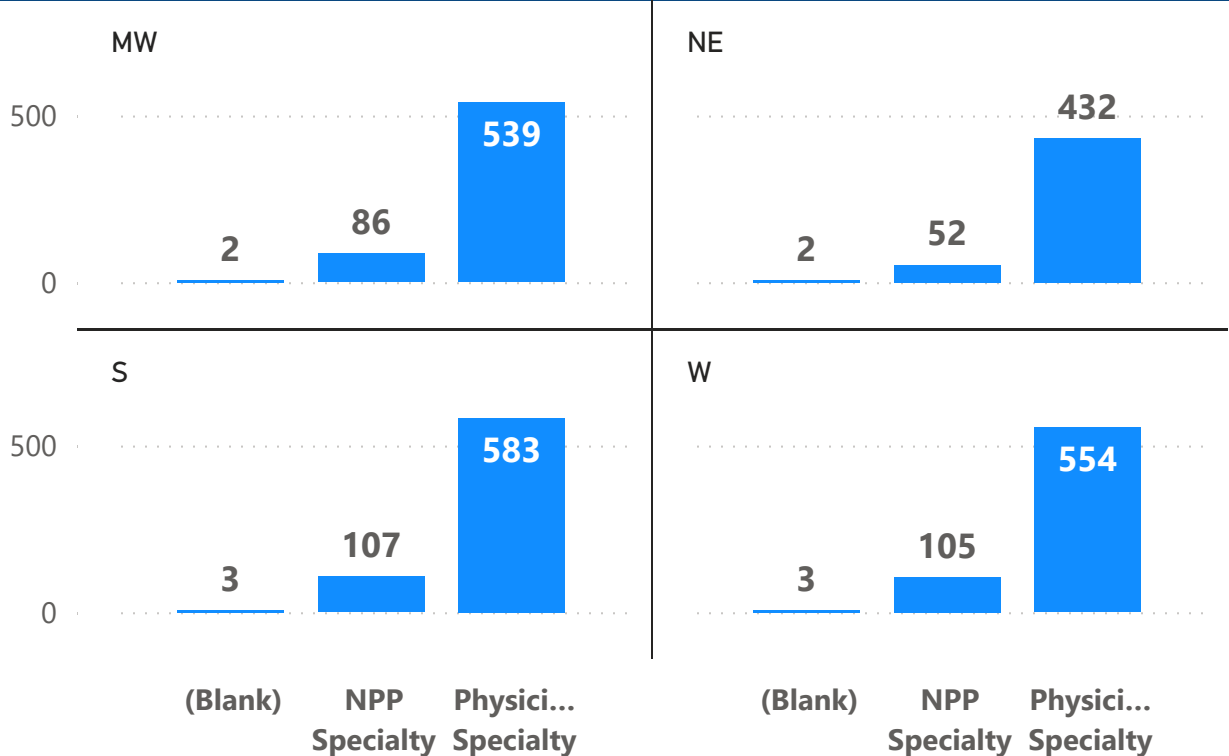
Monthly Provider Activity Overview and CPT Units



Blood Group

- ☐ A-
- ☐ A+
- ☐ AB-
- ☐ AB+
- ☐ B-
- ☐ B+
- ☐ O-
- ☐ O+

Regional Breakdown of Provider Specialties



Holistic Provider Performance Matrix

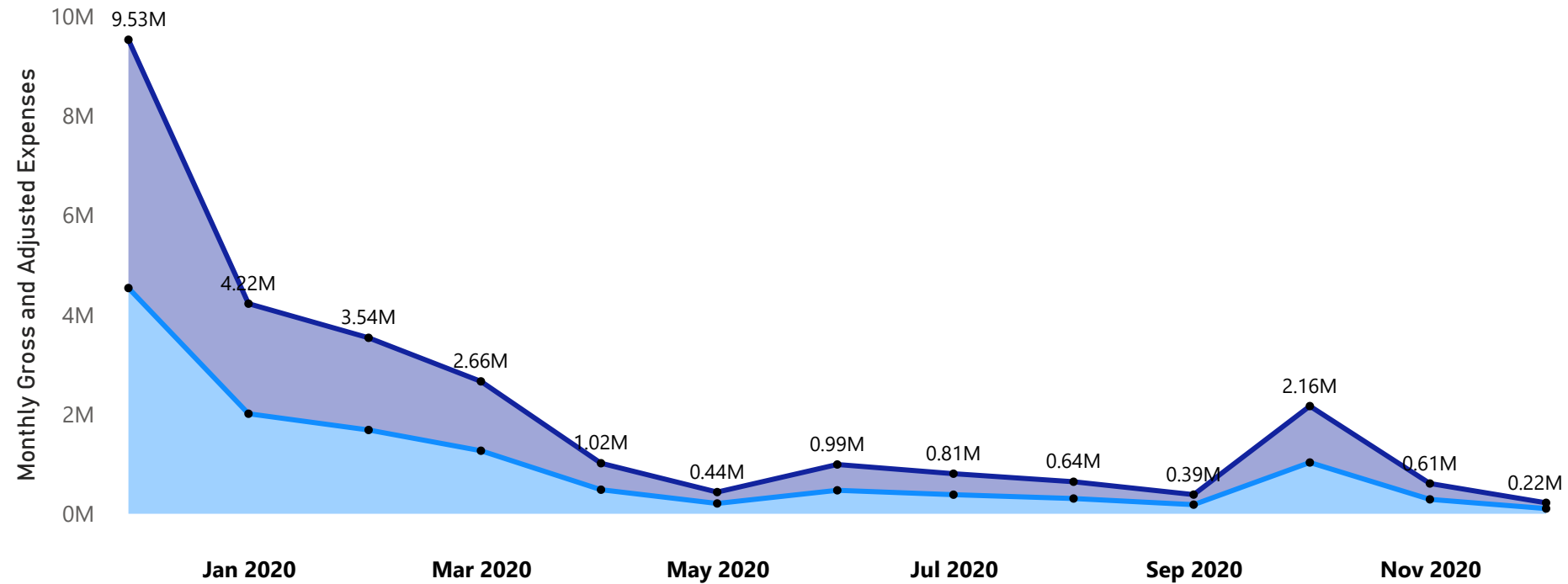
SpecialityType	Count of Providers	Sum of CPTUnits	Sum of ProviderFTE
<input checked="" type="checkbox"/> Physician Specialty	742	216642	558.03
Internal Medicine	224	75510	170.05
Family Medicine	120	40111	94.52
Diagnostic Radiology	97	42534	77.94
Pediatrics	59	11756	45.56
Obstetrics & Gynecology	45	8181	33.88
Emergency Medicine	40	11828	36.30
Pathology	34	6211	21.81
Surgery	23	2940	18.38
Psychiatry & Neurology	17	2452	11.27
Psychologist	17	1087	5.05
Orthopaedic Surgery	15	2368	8.93
Total	931	239445	711.74

Region Code

- ☒ MW
- ☒ NE
- ☒ S
- ☒ W

Monthly Aggregate Expenses: Gross and Adjusted

● Sum of Gross Expenses ● Adjustedgrossexpense



Adjustment factor (%)

0.10

