

HHS and CMS Data Summary

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This report provides a summary of the HHS hospitals and CMS quality data over the past 1.5 years.

Summary 1: Comparison of hospital records over time

The tables below show how many hospital records were loaded in the most recent week, and how that compares to previous weeks.

Changes in weekly entries for HHS data

	collection_week	count	changes
0	2022-10-21	3377	24.0000
1	2022-10-14	3353	23.0000
2	2022-10-07	3330	45.0000
3	2022-09-30	3285	60.0000
4	2022-09-23	3225	<NA>

Changes in weekly entries for CMS quality data

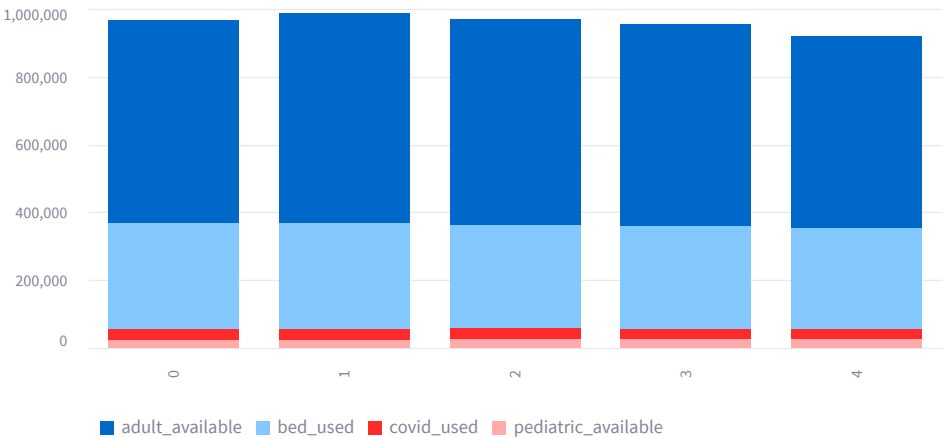
	collection_week	count	changes
0	2022-10-01	3779	7.0000
1	2022-01-01	3772	2.0000
2	2021-07-01	3770	<NA>

Summary 2: Adult and pediatric beds availability and usage for COVID and non-COVID patients over time

The table and graph below summarize the number of adult and pediatric beds available this week, the number used, and the number used by patients with COVID, compared to the 4 most recent weeks

	collection_week	adult_available	pediatric_available	bed_used	covid_used	change_adult_
0	2022-10-21	599,180.6000	23,446.2000	312,722.6000	29,787.5000	-20,
1	2022-10-14	619,850.0000	25,510.7000	312,585.3000	29,832.8000	12,
2	2022-10-07	607,644.7000	26,034.7000	305,755.0000	29,550.5000	9,

	collection_week	adult_available	pediatric_available	bed_used	covid_used	change_adult_
3	2022-09-30	597,689.6000	26,543.6000	301,155.2000	29,397.2000	31,
4	2022-09-23	565,974.2000	26,960.4000	297,387.3000	28,987.4000	



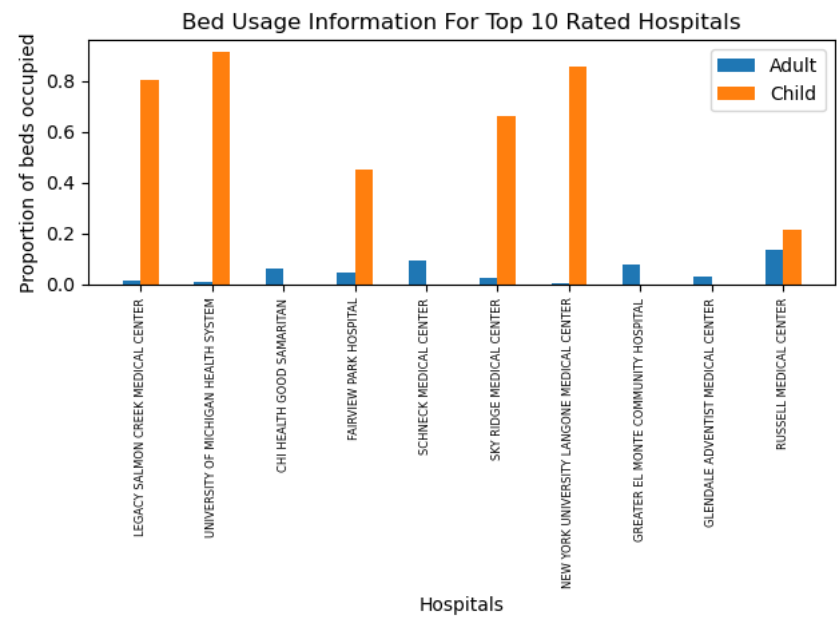
In the barplot, the x-axis is corresponding to the index of collection week as in the summary table.

Summary 3: Bed usage across high and low rated hospitals

High rated hospitals

The table and graph below summarize the fraction of beds currently in use by hospitals with high quality rating.

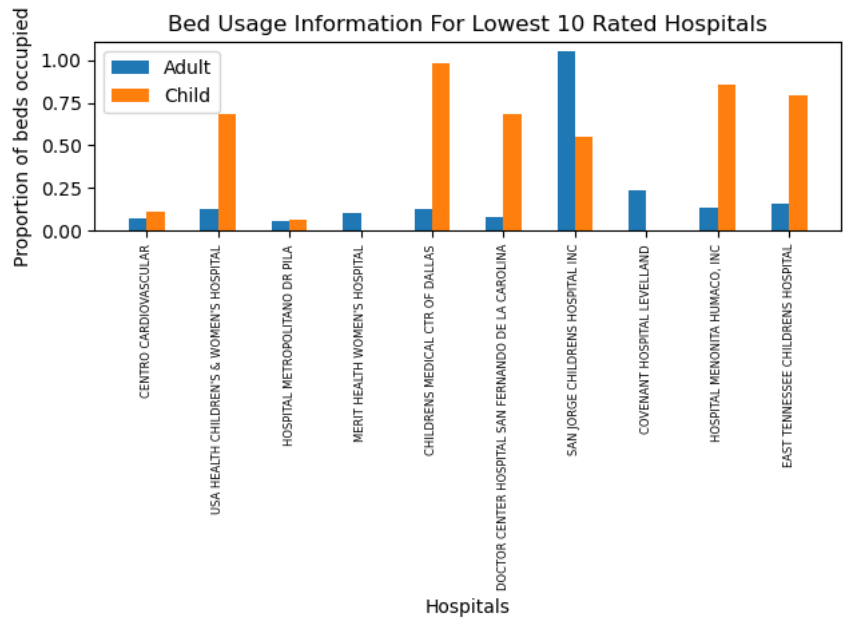
	hospital_name	rating	adult_occupied	child_occupied
2	LEGACY SALMON CREEK MEDICAL CENTER	5.0000	0.0150	0.8067
4	UNIVERSITY OF MICHIGAN HEALTH SYSTEM	5.0000	0.0103	0.9150
6	CHI HEALTH GOOD SAMARITAN	5.0000	0.0631	0.0000
7	FAIRVIEW PARK HOSPITAL	5.0000	0.0475	0.4536
10	SCHNECK MEDICAL CENTER	5.0000	0.0933	0.0000
16	SKY RIDGE MEDICAL CENTER	5.0000	0.0238	0.6616
18	NEW YORK UNIVERSITY LANGONE MEDICAL CENTER	5.0000	0.0037	0.8550
19	GREATER EL MONTE COMMUNITY HOSPITAL	5.0000	0.0763	0.0000
22	GLENDALE ADVENTIST MEDICAL CENTER	5.0000	0.0298	0.0000
23	RUSSELL MEDICAL CENTER	5.0000	0.1373	0.2150



Low rated hospital

The table and graph below summarize the fraction of beds currently in use by hospitals with low quality rating.

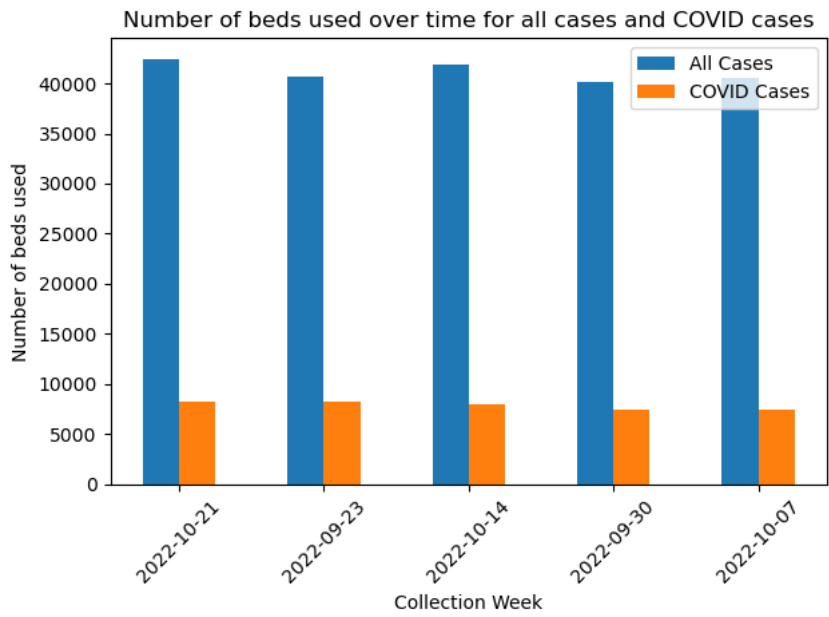
	hospital_name	rating	adult_occupied	child_occupied
0	CENTRO CARDIOVASCULAR	0.0000	0.0703	0.1161
1	USA HEALTH CHILDREN'S & WOMEN'S HOSPITAL	0.0000	0.1246	0.6848
2	HOSPITAL METROPOLITANO DR PILA	0.0000	0.0608	0.0667
8	MERIT HEALTH WOMEN'S HOSPITAL	0.0000	0.1023	0.0000
17	CHILDRENS MEDICAL CTR OF DALLAS	0.0000	0.1273	0.9839
18	DOCTOR CENTER HOSPITAL SAN FERNANDO DE LA CAROLINA	0.0000	0.0771	0.6800
21	SAN JORGE CHILDRENS HOSPITAL INC	0.0000	1.0512	0.5514
32	COVENANT HOSPITAL LEVELLAND	0.0000	0.2396	0.0000
36	HOSPITAL MENONITA HUMACO, INC	0.0000	0.1388	0.8533
48	EAST TENNESSEE CHILDRENS HOSPITAL	0.0000	0.1556	0.7961



Summary 4: Bed usage for COVID and non-COVID cases across time

The table and plot below summarize the total number of hospital beds used per week, over all time, split into all cases and COVID cases.

	collection_week	all_beds_used	covid_beds_used
0	2022-10-21	42,382.1000	8,195.7000
1	2022-09-23	40,648.5000	8,177.8000
2	2022-10-14	41,896.7000	7,977.2000
3	2022-09-30	40,160.4000	7,391.7000
4	2022-10-07	40,493.6000	7,428.7000

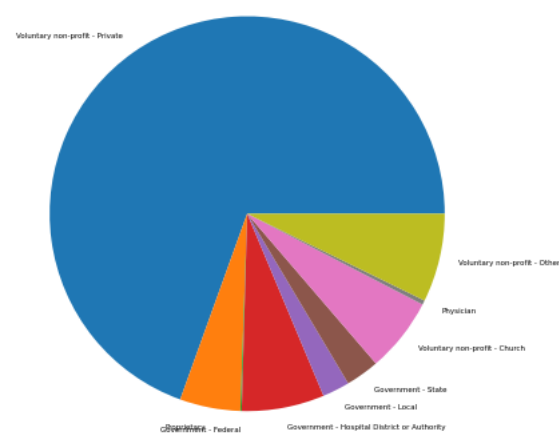


Summary 5: COVID bed usage across hospital types

The table and pie chart below shows the number of beds used by COVID patients at hospitals across different types.

	sum	type
0	16,919.0000	Voluntary non-profit - Private
1	1,206.6000	Proprietary
2	27.0000	Government - Federal
3	1,645.3000	Government - Hospital District or Authority
4	542.6000	Government - Local
5	669.9000	Government - State
6	1,484.1000	Voluntary non-profit - Church
7	86.4000	Physician
8	1,765.5000	Voluntary non-profit - Other

Covid bed used in hospital types



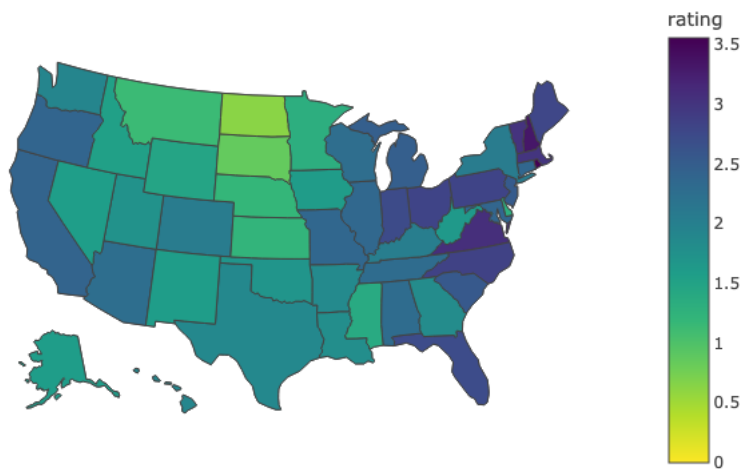
Summary 6: Average rating of hospitals across the country

The table below shows the top 5 states with highest average hospital ratings ranked in order.

	state	rating
0	RI	3.5556
1	NH	3.3333
2	VA	3.0802
3	VT	3.0278
4	MA	3.0076

The map below shows the average rating of hospitals for each state.

Average Hospital Rating of Each State in US



Summary 7: COVID cases across the country

The table below shows the top 5 states with maximum COVID cases ranked in order.

	state	covid_cases
0	NY	7,107.2000
1	TX	3,083.6000
2	PA	2,555.8000
3	FL	2,213.4000
4	OH	2,200.9000

The map below shows the number of COVID cases for each state.

COVID Cases by State (on log scale)

