

# Weekly Report for Hospital Data

This is a weekly report about the hospital beds in the USA. We will use tables and plots to analyze the data.

## 1.1 Summary of Loaded Records

In this table, we list the recent five weeks hospital data upload date and rows loaded. On Oct 21, 2022, the total number of rows loaded is 4985. We can see for the past four weeks, the total number of records loaded are all around 5000.

Summary of loaded records

Week	Records Loaded
2022-10-21	4985
2022-10-14	4995
2022-10-07	4996
2022-09-30	4997
2022-09-23	4996

## 1.2 Summary of Hospital Beds

In this table, we list the recent five weeks hospital beds situation. It includes the upload date, load rows number, how many adult/pediatric beds are available or in-use, total hospital beds used by Covid cases. There are around two thousand more adult beds available and in-use compared with the last week, hospitals may have 4000 new beds since last week.

Summary of hospital beds

Week	Records Loaded	Total Adult Hospital Beds Available	Total Pediatric Hospital Beds Available	Total Adult Hospital Beds In-Use	Total Pediatric Hospital Beds In-Use	Total Hospital Beds Used by COVID cases
2022-10-21	4985	414880.3	39882.2	469153.4	29706.5	24116.8
2022-10-14	4995	412939.0	39711.6	467145.9	28799.0	23695.5
2022-10-07	4996	415465.4	39796.8	465980.5	28285.8	23689.3
2022-09-30	4997	416279.4	39804.7	462204.5	28042.8	24142.5
2022-09-23	4996	413589.5	39605.5	463698.4	27778.1	25600.6

## 1.3 Fraction of Beds Currently in use by Hospital Quality Rating

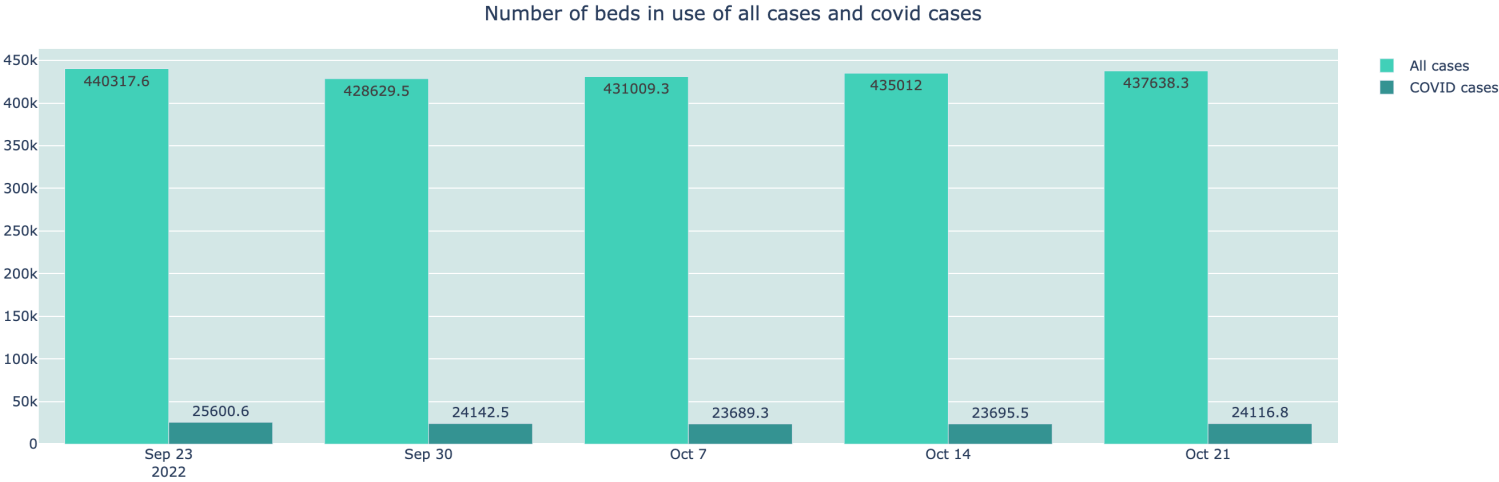
This table includes hospital's rating, percentage of beds in use compared with the total number of beds of that hospital. For those hospitals have highest rating, 66% adult and pediatric beds are in-use, 67% ICU beds are in-use.

Fraction of beds currently in use by hospital quality rating

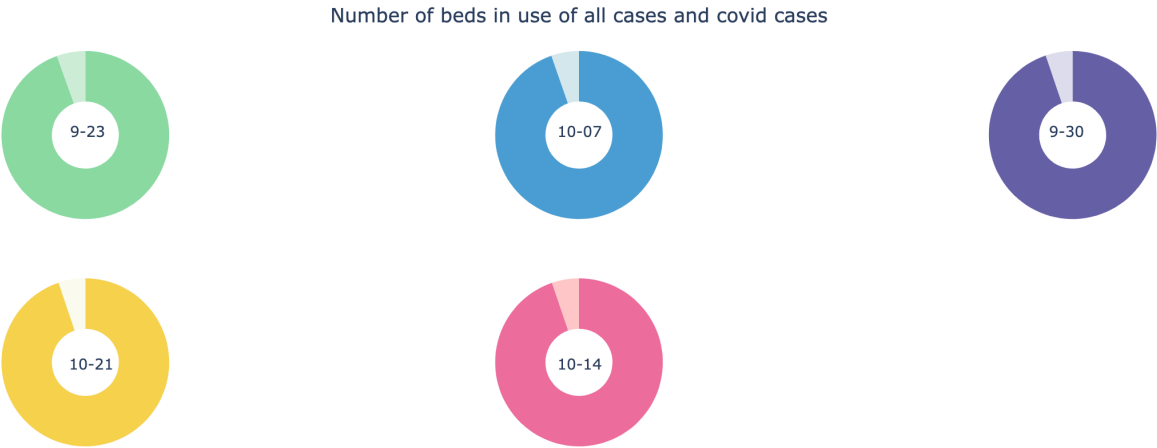
Hospital Rating	Percent % Adult Hospital Beds In-Use	Percent % Pediatric Hospital Beds In-Use	Percent % ICU Beds In-Use
5	66.36	65.74	67.25
4	68.24	69.45	71.42
3	68.60	64.14	69.24
2	66.66	68.47	70.86
1	62.95	59.01	72.28

## 1.4 Number of Beds in use of all cases and covid cases

This bar plot shows the total number of hospital beds used per week for all causes and covid cases in the recent five weeks. On Oct 21, 2022, 2626 more beds were in use for all cases, and there are 421 beds occupied by patients have Covid.

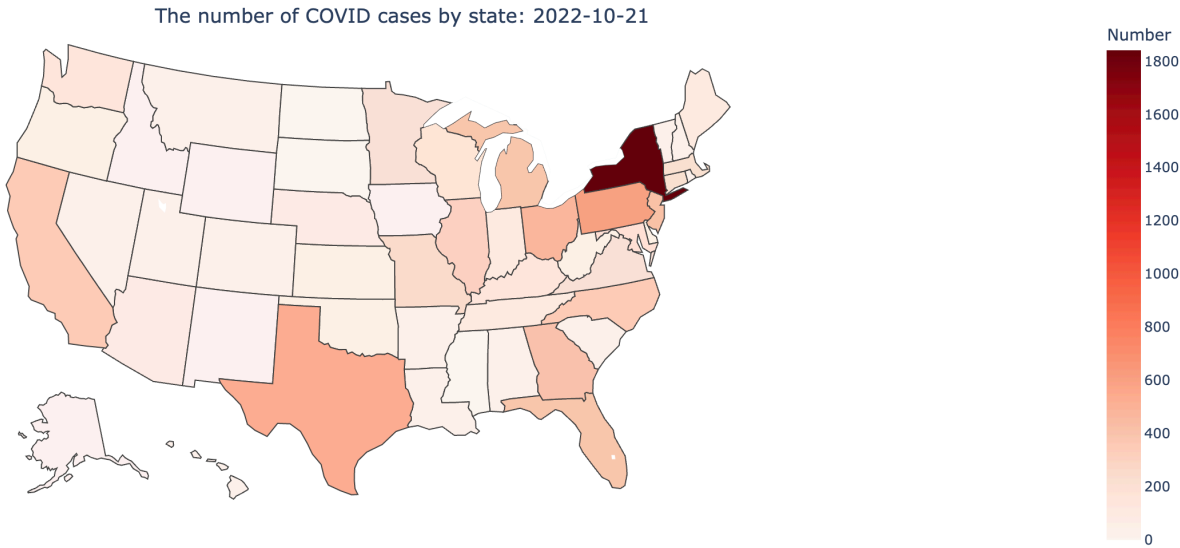


These pie charts show the percentage of hospital beds used per week for all causes and covid cases. We can see in the recent five weeks, the percentage didn't change too much, all cases have around 95% of beds in-use and 5% beds in-use for Covid cases.



## 2.1 The number of COVID cases by state

This map shows how many Covid cases we have in the USA until Oct 21, 2022. Darker the color, this state has more people have Covid. In New York state, there are 1841 people have Covid.



## 2.2 State COVID cases changes

This table listed the top 5 states with the most Covid cases changes status. We didn't get data from Guam and the Virgin Islands either this week or last week. Illinois has 133 more Covid cases compared with last week.

State COVID cases changes

States	Change in Covid Case
IL	133.3
WI	81.4
OH	79.9
IN	67.8
MN	65.9

## 2.3 Hospitals with largest changes in COVID cases

In this table, we list the top five hospitals with the largest changes in Covid cases, with their information. Carolinas Medical center has the largest changes. What interesting is that it's located in North Carolina, where doesn't have lots of Covid cases changes.

Hospitals with largest changes in COVID cases

Hospital Name	Change in Covid Case	Address	City	State	Zipcode
CAROLINAS MEDICAL CENTER BEHAV/ HEALTH	29.4	1000 BLYTHE BLVD	CHARLOTTE	NC	28203
NEW YORK-PRESBYTERIAN HOSPITAL	24.7	525 EAST 68TH STREET	NEW YORK	NY	10065
GEISINGER MEDICAL CENTER	17.7	100 NORTH ACADEMY AVENUE	DANVILLE	PA	17822
HOUSTON METHODIST HOSPITAL	16.2	6565 FANNIN	HOUSTON	TX	77030
MAINE MEDICAL CENTER	15.8	22 BRAMHALL ST	PORTLAND	ME	4102

## 2.4 Hospital with no reported data

It's a table of hospital names which did not report data last week, with the last reported date. There are 17 hospitals doesn't have data this week (2022-10-21).

Hospital with no reported data

Hospital Name	Last reported Date
WAGONER COMMUNITY HOSPITAL	2022-10-14
DRUMRIGHT REGIONAL HOSPITAL	2022-10-14
KNOX COUNTY HOSPITAL	2022-10-14
SYRACUSE AREA HEALTH	2022-10-14
UNITY MEDICAL CENTER	2022-10-14
WINSTON MEDICAL CENTER & SWINGBED	2022-10-14
MASSAC MEMORIAL HOSPITAL	2022-10-14
HOLY CROSS HOSPITAL	2022-10-14
LA PAZ REGIONAL HOSPITAL	2022-10-14
MT SINAI HOSPITAL MEDICAL CENTER	2022-10-14
BARTLETT REGIONAL HOSPITAL	2022-10-14
COMMUNITY HOSPITAL OF STAUNTON	2022-10-14
SUMMIT MEDICAL CENTER, LLC	2022-10-14
ST LUKE'S HOSPITAL	2022-10-07
JOHNSON COUNTY HEALTHCARE CENTER	2022-09-30
FROEDTERT BLUEMOUND REHABILITATION HOSPITAL	2022-09-30
BLESSING HEALTH KEOKUK	2022-09-23