

MEDICARE 2017 CHARGES ANALYSIS REPORT

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BACKGROUND

The Medicare Inpatient Charge Data FY 2017 dataset was gotten from the US Dept. of Health and Human Services linked [Here](#). This dataset contains information on inpatient discharges for Medicare fee for services beneficiaries. In the US, the Centers for Medicare & Medicaid Services provide health coverage for inpatients through their Inpatient Prospective Payment System (IPPS). Under the IPPS, Medicare payment for hospital inpatient operating and capital-related costs is made at predetermined, specific rates for each hospital discharge. Hospitals may also be eligible for additional payment adjustments, for example if the hospital treats a high-percentage of low-income patients or trains residents in an approved residency program.

This analyses intends to find,

The top paid service providers

What procedures receive the highest payments from Medicare

If Medicare is able to meet its target set aside payment to service providers

Procedure with the highest payments and discharges

DATA

The Inpatient PUF includes information for the more than 3,000 U.S. hospitals. The dataset contains two sheets. The first one titled Medicare inpatient 2017 is made of 196326 rows by 6 columns.

- Definitions
- Provider ID
- Total Discharges
- Average Covered Charges
- Average total payment
- Average Medicare payment

The second sheet titled providers is made of 3182 rows and 7 columns containing details about the service providers which are:

- Provider street address
- Provider city
- Provider state

- Provider zip code
- Hospital referral region

STEPS

1. Downloaded the dataset from the website.
2. Opened in excel and took a preview of the sheets and columns.
3. Loaded the dataset into Power BI and merged the two sheets.
4. Under table view, scrolled through the rows and columns to understand the contents of it.
5. Check dataset under model view to see if there are any existing relationships.
6. Looked out for errors and empty values and undertook out other data cleaning processes.
7. In the report view, under the view tab, theme was selected.
8. Four cards were to visualize the total number of service providers, the total Medicare payments made, the total covered charges, total payments.
9. A bar chart was created to show a representation of the total payments, Medicare payments by service providers.
10. A map was added to show the states of the service providers.
11. A gauge chart was also added to show how the Medicare payments are progressing towards the total payments.
12. A slicer was added for the Provider state field.

INSIGHTS

The total number of service providers is 3182.

The Average Total payment was 2.74 Billion.

The Average Covered Charges was 12.01 Billion.

The Average Total Medicare payment was 2.32 Billion.

The 5 top service providers with regards to the total payments and average Medicare payments are as follows:

NEW YORK PRESBYTERIAN HOSPITAL

STANFORD HEALTH CARE

MAYO CLINIC

JOHN HOPKINS HOSPITAL

UCFS MEDICAL CENTRE

From the gauge chart, Medicare exceeded their target in 2017 b 17.3%.

The DRG definition that received the highest paid amount from Medicare was Infectious and Parasitic diseases.