In [1]:

```python
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
```

In [2]:

```python
df=pd.read_csv("Mental_Health_Care_in_the_Last_4_Weeks.csv")
```

In [3]:

```
df
```

Out[3]:

	Indicator	Group	State	Subgroup	Phase	Time Period	Time Period Label	Time Period Start Date	Time Period End I
0	Took Prescription Medication for Mental Health...	National Estimate	United States	United States	2	13	Aug 19 - Aug 31, 2020	08/19/2020	08/31/2
1	Took Prescription Medication for Mental Health...	By Age	United States	18 - 29 years	2	13	Aug 19 - Aug 31, 2020	08/19/2020	08/31/2
2	Took Prescription Medication for Mental Health...	By Age	United States	30 - 39 years	2	13	Aug 19 - Aug 31, 2020	08/19/2020	08/31/2
3	Took Prescription Medication for Mental Health...	By Age	United States	40 - 49 years	2	13	Aug 19 - Aug 31, 2020	08/19/2020	08/31/2
4	Took Prescription Medication for Mental Health...	By Age	United States	50 - 59 years	2	13	Aug 19 - Aug 31, 2020	08/19/2020	08/31/2
...	...	...	...	...	...	...	...	...	
10399	Needed Counseling or Therapy But Did Not Get I...	By State	Virginia	Virginia	3.4	45	Apr 27 - May 9, 2022	04/27/2022	05/09/2
10400	Needed Counseling or Therapy But Did Not Get I...	By State	Washington	Washington	3.4	45	Apr 27 - May 9, 2022	04/27/2022	05/09/2
10401	Needed Counseling or Therapy But Did Not Get I...	By State	West Virginia	West Virginia	3.4	45	Apr 27 - May 9, 2022	04/27/2022	05/09/2
10402	Needed Counseling or Therapy But Did Not Get I...	By State	Wisconsin	Wisconsin	3.4	45	Apr 27 - May 9, 2022	04/27/2022	05/09/2
10403	Needed Counseling or Therapy But Did Not Get I...	By State	Wyoming	Wyoming	3.4	45	Apr 27 - May 9, 2022	04/27/2022	05/09/2

10404 rows × 15 columns

In [4]:

```python
df.describe()
```

Out[4]:

	Time Period	Value	LowCI	HighCI	Suppression Flag
count	10404.000000	9914.000000	9914.000000	9914.000000	22.0
mean	28.134948	17.450736	14.771565	20.475661	1.0
std	11.040210	8.270565	7.659396	9.052521	0.0
min	1.000000	1.400000	0.800000	2.000000	1.0
25%	20.000000	10.300000	8.000000	12.900000	1.0
50%	29.000000	16.200000	13.900000	19.200000	1.0
75%	37.000000	24.000000	20.800000	27.400000	1.0
max	45.000000	62.900000	53.200000	71.900000	1.0

In [5]:

```python
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 10404 entries, 0 to 10403
Data columns (total 15 columns):
 #   Column                 Non-Null Count  Dtype
---  ------                 --------------  -----
 0   Indicator              10404 non-null  object
 1   Group                  10404 non-null  object
 2   State                  10404 non-null  object
 3   Subgroup               10404 non-null  object
 4   Phase                  10404 non-null  object
 5   Time Period            10404 non-null  int64
 6   Time Period Label      10404 non-null  object
 7   Time Period Start Date 10404 non-null  object
 8   Time Period End Date   10404 non-null  object
 9   Value                  9914 non-null   float64
 10  LowCI                  9914 non-null   float64
 11  HighCI                 9914 non-null   float64
 12  Confidence Interval    9914 non-null   object
 13  Quartile Range         6732 non-null   object
 14  Suppression Flag       22 non-null     float64
dtypes: float64(4), int64(1), object(10)
memory usage: 1.2+ MB
```

In [6]:

```
df.head()
```

Out[6]:

	Indicator	Group	State	Subgroup	Phase	Time Period	Time Period Label	Time Period Start Date	Time Period End Date	Valu
0	Took Prescription Medication for Mental Health...	National Estimate	United States	United States	2	13	Aug 19 - Aug 31, 2020	08/19/2020	08/31/2020	19.
1	Took Prescription Medication for Mental Health...	By Age	United States	18 - 29 years	2	13	Aug 19 - Aug 31, 2020	08/19/2020	08/31/2020	18.
2	Took Prescription Medication for Mental Health...	By Age	United States	30 - 39 years	2	13	Aug 19 - Aug 31, 2020	08/19/2020	08/31/2020	18.
3	Took Prescription Medication for Mental Health...	By Age	United States	40 - 49 years	2	13	Aug 19 - Aug 31, 2020	08/19/2020	08/31/2020	20.
4	Took Prescription Medication for Mental Health...	By Age	United States	50 - 59 years	2	13	Aug 19 - Aug 31, 2020	08/19/2020	08/31/2020	21.

In [7]:

```
df.tail(8)
```

Out[7]:

	Indicator	Group	State	Subgroup	Phase	Time Period	Time Period Label	Time Period Start Date	Time Period End Dat
10396	Needed Counseling or Therapy But Did Not Get I...	By State	Texas	Texas	3.4	45	Apr 27 - May 9, 2022	04/27/2022	05/09/202
10397	Needed Counseling or Therapy But Did Not Get I...	By State	Utah	Utah	3.4	45	Apr 27 - May 9, 2022	04/27/2022	05/09/202
10398	Needed Counseling or Therapy But Did Not Get I...	By State	Vermont	Vermont	3.4	45	Apr 27 - May 9, 2022	04/27/2022	05/09/202
10399	Needed Counseling or Therapy But Did Not Get I...	By State	Virginia	Virginia	3.4	45	Apr 27 - May 9, 2022	04/27/2022	05/09/202
10400	Needed Counseling or Therapy But Did Not Get I...	By State	Washington	Washington	3.4	45	Apr 27 - May 9, 2022	04/27/2022	05/09/202
10401	Needed Counseling or Therapy But Did Not Get I...	By State	West Virginia	West Virginia	3.4	45	Apr 27 - May 9, 2022	04/27/2022	05/09/202
10402	Needed Counseling or Therapy But Did Not Get I...	By State	Wisconsin	Wisconsin	3.4	45	Apr 27 - May 9, 2022	04/27/2022	05/09/202
10403	Needed Counseling or Therapy But Did Not Get I...	By State	Wyoming	Wyoming	3.4	45	Apr 27 - May 9, 2022	04/27/2022	05/09/202

In [8]:

```python
df.isnull()
```

Out[8]:

	Indicator	Group	State	Subgroup	Phase	Time Period	Time Period Label	Time Period Start Date	Time Period End Date	Value	LowC
0	False	False	False	False	False	False	False	False	False	False	Fals
1	False	False	False	False	False	False	False	False	False	False	Fals
2	False	False	False	False	False	False	False	False	False	False	Fals
3	False	False	False	False	False	False	False	False	False	False	Fals
4	False	False	False	False	False	False	False	False	False	False	Fals
...	...	...	...	...	...	...	...	...	...	...	.
10399	False	False	False	False	False	False	False	False	False	False	Fals
10400	False	False	False	False	False	False	False	False	False	False	Fals
10401	False	False	False	False	False	False	False	False	False	False	Fals
10402	False	False	False	False	False	False	False	False	False	False	Fals
10403	False	False	False	False	False	False	False	False	False	False	Fals

10404 rows × 15 columns

In [9]:

```python
df.isnull().sum()
```

Out[9]:

```
Indicator                  0
Group                      0
State                      0
Subgroup                   0
Phase                      0
Time Period                0
Time Period Label          0
Time Period Start Date     0
Time Period End Date       0
Value                    490
LowCI                    490
HighCI                   490
Confidence Interval      490
Quartile Range          3672
Suppression Flag       10382
dtype: int64
```

In [10]:

```python
#gives numerical null values
```

In [ ]: