MENTAL HEALTH

Is public assistance for individuals with Mental Illness effective, and how those resources can be improved?

By Carrie T

Data Source: Retrieved from Kaggle under the Mental Health search.

- Data is comprised of questions given to 334 individuals through a Survey using "Survey Monkey"
- As you can see, most questions require Yes or No responses

Cleansing Process

Data was inputted into numeric values of "0" as No and "1" as Yes.

- Headings were very long so I shortened them to reduce space

- Font Change to Arial

- Placed NULL in blanks that had no response

- Deleted 1 column (30 columns existing)

I used an IF statement in excel to change the Columns:
=IF(U2:U335=0, "NO", "YES")

Numeric

U
Obsessive thinking
1
0
0
0
1
0
0
0
0
0
0
0
1
0
0
1
0
0
0
1
0
0
0
0

Categorical

U
Obsessive Thinking
YES
NO
NO
NO
YES
NO
NO
NO
NO
NO
NO
NO
YES
NO
NO
NO
NO
YES
NO
NO
NO
YES
NO
NO
NO

1st Heading

A1 — I am currently employed at least part-time

	A	B	C	D
1	I am currently employed at least part-time	I identify as having a mental illness	Education	I have my own computer separate from a smart phone
2	0	0	High School or GED	0
3	1	1	Some Phd	1

Shortened Heading

A	B	C	D
Employed at least part-time	Identified having a Mental Illness	Education	Has computer separate from a cell phone

PERCENT OF DEPRESSION BETWEEN MEN AND WOMEN

COUNT OF DEPRESSION   BY GENDER

158 (47.31%)

176 (52.69%)

Gender
- Female
- Male

I choose different ailments and assistance that an individual may receive regarding their Mental Health

- I began with Depression to see what data stood out. I choose that illness because according to WHO (World Health Organization) Depression is the leading cause of disability and ill health globally
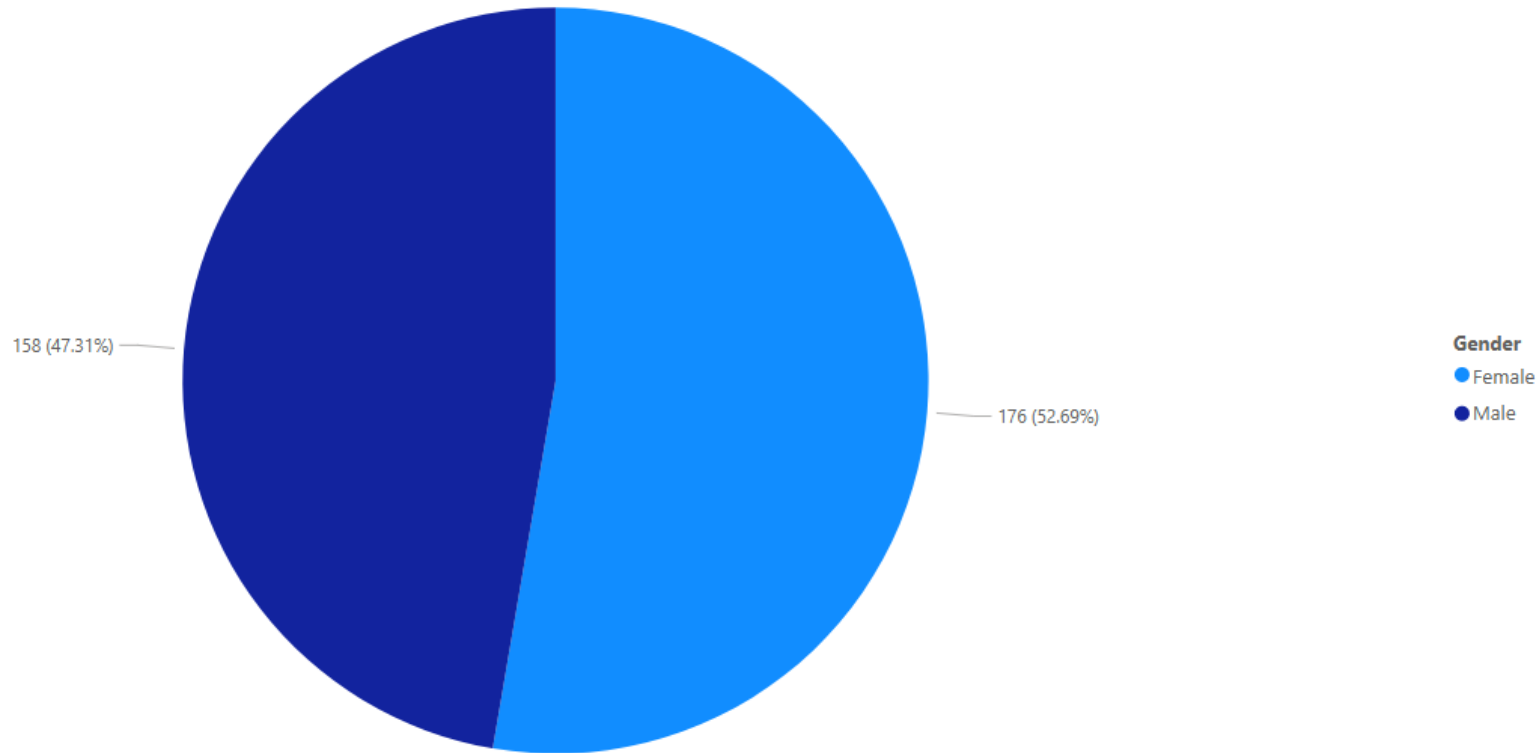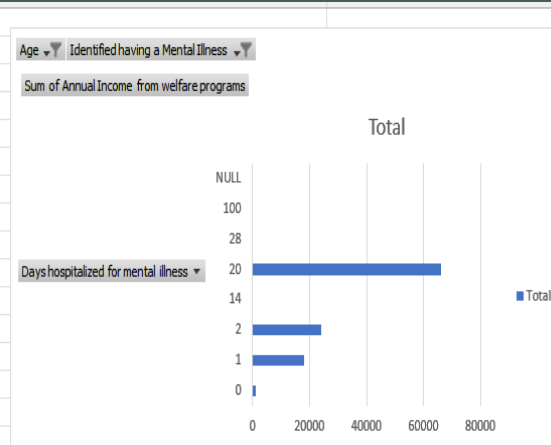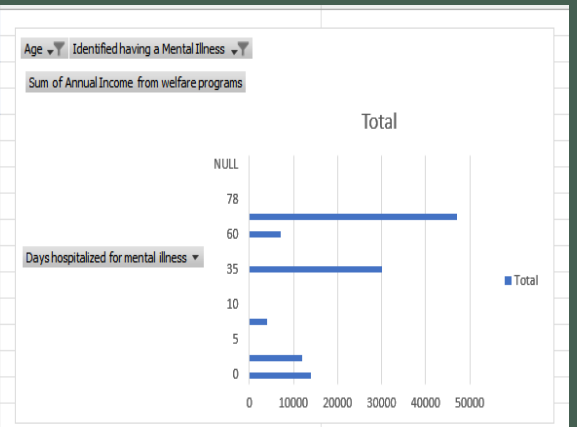
Count of Welfare Recipient by Region
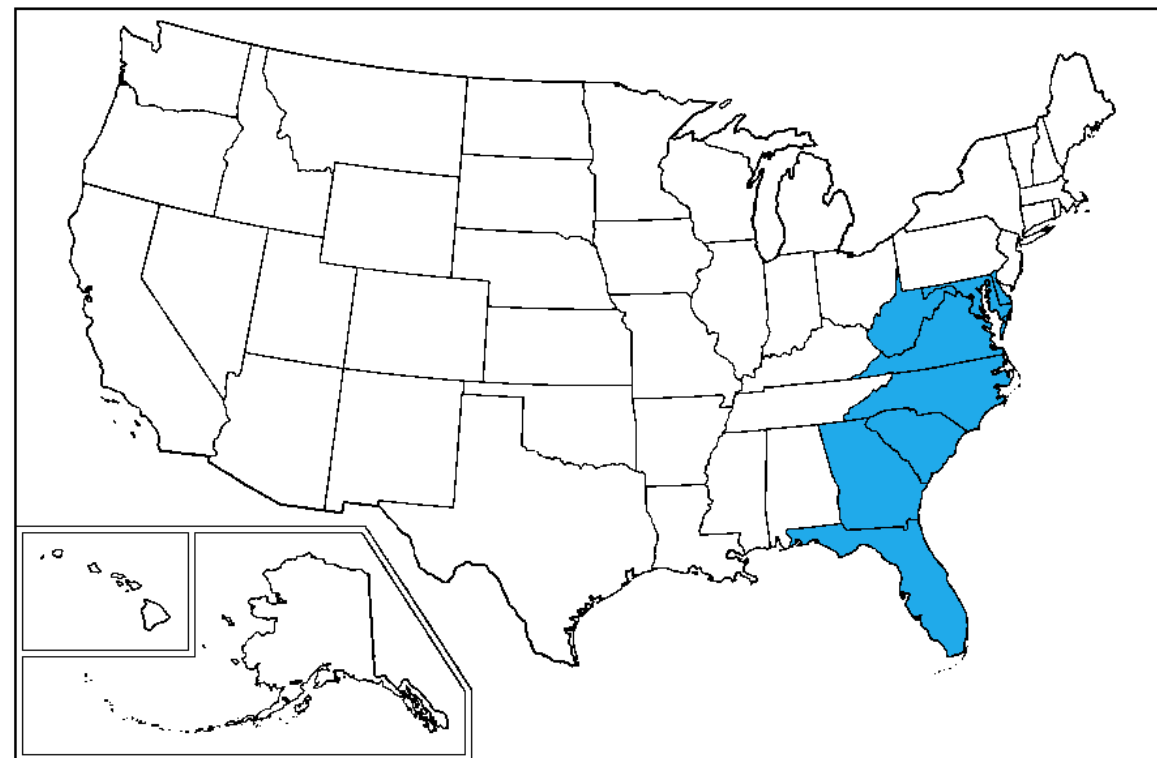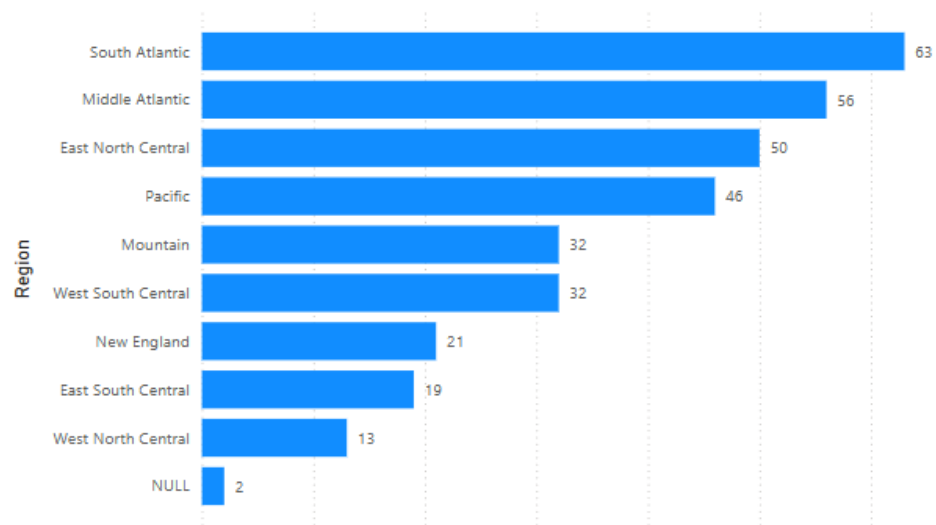
63 people out of the 334 receive welfare In the South Atlantic Region.

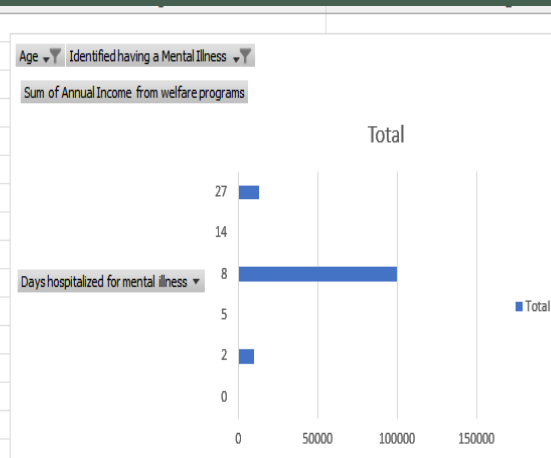# Annual Income from Welfare Programs with Hospitalizations by Age

Age	18-29
Identified having a Mental Illness	YES

Days hospitalized for mental illness	Sum of Annual Income from welfare programs
0	1000
1	18000
2	24000
14	0
20	66000
28	0
100	0
NULL	0
Grand Total	**109000**

Age	30-44
Identified having a Mental Illness	YES

Days hospitalized for mental illness	Sum of Annual Income from welfare programs
0	14000
1	12000
5	0
8	4000
10	0
15	0
35	30000
42	0
60	7000
65	47000
78	0
100	0
NULL	0
Grand Total	**114000**

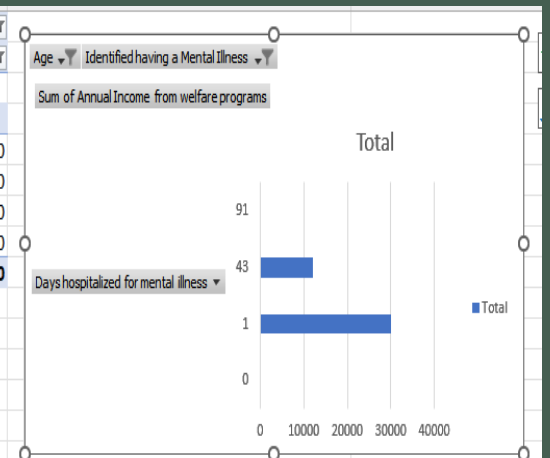| Age	45-60
Identified having a Mental Illness	YES

| Days hospitalized for mental illness	Sum of Annual Income from welfare programs
0	0
2	10000
5	0
8	100000
14	0
27	13000
Grand Total	**123000**

Age	> 60
Identified having a Mental Illness	YES

Days hospitalized for mental illness	Sum of Annual Income from welfare programs
0	0
1	30000
43	12000
91	0
Grand Total	**42000**

Row Labels	Sum of I am unemployed	Sum of I receive food stamps	Sum of I am on section 8 housing	Sum of I have a gap in my resume
Android Phone / Tablet	34	17	4	38
iOS Phone / Tablet	12	1	0	17
MacOS Desktop / Laptop	7	0	0	3
Other	2	0	0	0
Windows Desktop / Laptop	31	4	3	24
Grand Total	86	22	7	82
Overall recipients	197			

UNEMPLOYED AND ASSISTANCE PROGRAMS

Type of Device available to use
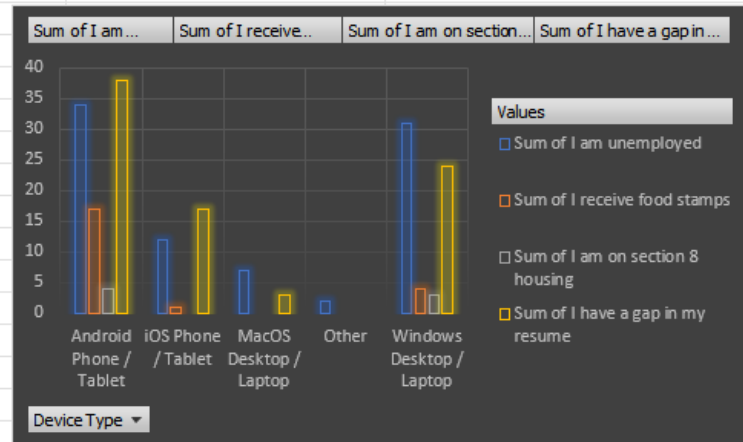
Key Points

With all the data shown it's clear that public assistance that is available is not enough to aid the 334 individuals Mental Health.

- From the Percentage of Depression in Male and Female
- To the South Region with the most Welfare
- 60 and up who's been Hospitalized with only $42,000 in aid
- 197 people who are unemployed, receive section 8, Foods Stamps and gaps in employment will make it difficult to find work, treatment and care without further resources for direction to be in a better position for a healthier lifestyle

I propose that all the individuals would get better direction and help if there was an APP to help Search and give Links to partnerships that endorse resources depending on these key areas.

Location of individuals needing aid (Search by City/State)

Men and Women's Groups (Search by Mental Illness)

Hospitals that offer Therapy/Outpatient Groups (For previous or post Hospitalizations

Elder care and Activities/Transportation (Ages 60 and up)

Local Churches for Food and Skills Classes (Unemployed)

With Device Access, there are Several Free Apps to help manage Mental health challenges based on the specific symptom

COHORT 12 CAPSTONE PROJECT

By Carrie T