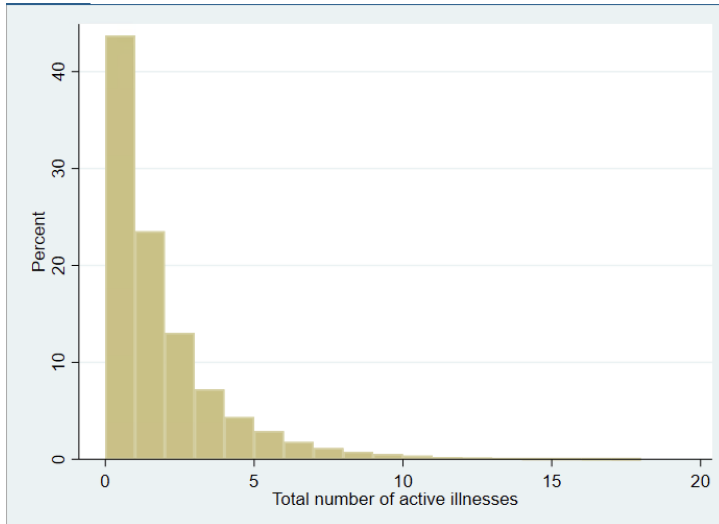
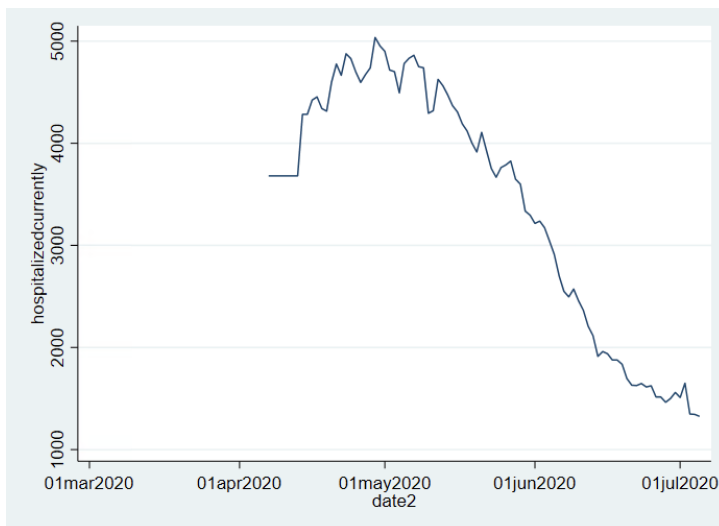


VoltageRA: PSET 2

1 Questions



1. After using tabulate to look at cumulative for 0-2, total percentage = 80.28%.
2. After using tabulate, female percentage is 50%. School number 169219 has the higher female percentage of 68.0851%.
3. The data appears to be dealing with COVID related data (hospitalizations, number of positive/negative tests, etc.) in all US states (as a result of appending the two files, which split the states evenly in alphabetical order).



4. The hospitalizations peaked around 1st May, 2020, and decreased shortly thereafter in Illinois.

5. To create a meaningful investigation, I'm expanding my research question to evaluate the fraction of teachers that have masters by race. I was able to use tabulate to synthesize this data:

```
. tabulate teachers_race teacher_masters
```

teachers_r ace	Kindergarten Teacher has Masters Degree		Total
	0	1	
black	747	153	900
other	22	0	22
white	2,919	1,869	4,788
Total	3,688	2,022	5,710

Approximately 39% of white teachers had a masters degree whereas only 17% of black teachers had a masters degree, and "other" races had none. Since a greater percentage of white teachers have a masters degree, we can perhaps extrapolate that more white people with masters degree decide to teach. However, there could be confounding bias here: the number of white teachers greatly outnumbers those that are black or other. So perhaps a this sample is too skewed to comment on the distribution of teachers. While I'm unsure how to plot this data on stata, it would generally plot race (categorical) data as my X variable, and the percentage of kindergarden teachers that have master degrees for each race as my Y variable.