In [263]:
```
factCovid_1 = enigma_jhud[['fips','province_state','country_region','confirmed','deaths','recovered','active']]
factCovid_2 = covid_19_testing_data_in_states_daily[['fips','date','positive','negative','hospitalizedcurrently','hospitalize
factCovid = pd.merge(factCovid_1, factCovid_2, on='fips', how='inner')
```

In [264]:
```
factCovid.shape
```

Out[264]: (27992, 13)

In [265]:
```
factCovid.head()
```

Out[265]:

	fips	province_state	country_region	confirmed	deaths	recovered	active	date	positive	negative	hospitalizedcurrently	hospitalized	hospitalized
0	NaN	Anhui	China	1.0	NaN	NaN	NaN	20210119	289939	NaN	1066.0	NaN	
1	NaN	Beijing	China	14.0	NaN	NaN	NaN	20210119	289939	NaN	1066.0	NaN	
2	NaN	Chongqing	China	6.0	NaN	NaN	NaN	20210119	289939	NaN	1066.0	NaN	
3	NaN	Fujian	China	1.0	NaN	NaN	NaN	20210119	289939	NaN	1066.0	NaN	
4	NaN	Gansu	China	NaN	NaN	NaN	NaN	20210119	289939	NaN	1066.0	NaN	

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Run Code

In [182]:
```
dimRegion_1 = enigma_jhud[['fips','province_state','country_region','latitude','longitude']]
dimRegion_2 = nytimes_data_in_usa_us_county[['fips','county','state']]
dimRegion = pd.merge(dimRegion_1, dimRegion_2, on='fips', how='inner')
```

In [183]:
```
dimRegion
```

Out[183]:

	fips	province_state	country_region	latitude	longitude	county	state
0	NaN	Anhui	China	31.826	117.226	New York City	New York
1	NaN	Anhui	China	31.826	117.226	Unknown	Rhode Island
2	NaN	Anhui	China	31.826	117.226	New York City	New York
3	NaN	Anhui	China	31.826	117.226	Unknown	Rhode Island
4	NaN	Anhui	China	31.826	117.226	New York City	New York
...	...	...	...	...	...	...	...
11752269	56043.0	Wyoming	US	43.905	-107.680	Washakie	Wyoming
11752270	56043.0	Wyoming	US	43.905	-107.680	Washakie	Wyoming
11752271	56043.0	Wyoming	US	43.905	-107.680	Washakie	Wyoming
11752272	56043.0	Wyoming	US	43.905	-107.680	Washakie	Wyoming
11752273	56043.0	Wyoming	US	43.905	-107.680	Washakie	Wyoming

11752274 rows × 7 columns

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Run Code

In [185]:
```
dimHospital = rearc_usa_hospital_beds[['fips','state_name','latitude','longtitude','hq_address','hospital_name','hospital_typ
```

In [186]:
```
dimHospital
```

Out[186]:

	fips	state_name	latitude	longtitude	hq_address	hospital_name	hospital_type	hq_city	hq_state
0	4013	Arizona	33.495498	-112.066157	650 E Indian School Rd	Phoenix VA Health Care System (AKA Carl T Hayd...	VA Hospital	Phoenix	AZ
1	4019	Arizona	32.181263	-110.965885	3601 S 6th Ave	Southern Arizona VA Health Care System	VA Hospital	Tucson	AZ
2	6019	California	36.773324	-119.779742	2615 E Clinton Ave	VA Central California Health Care System	VA Hospital	Fresno	CA
3	9009	Connecticut	41.284400	-72.957610	950 Campbell Ave	VA Connecticut Healthcare System - West Haven ...	VA Hospital	West Haven	CT
4	10003	Delaware	39.740206	-75.606532	1601 Kirkwood Hwy	Wilmington VA Medical Center	VA Hospital	Wilmington	DE
...	...	...	...	...	...	...	...	...	...
825	12103	Florida	27.825341	-82.702445	6000 49th St N	Northside Hospital	Short Term Acute Care Hospital	St Petersburg	FL
826	12103	Florida	27.915015	-82.803637	201 14th St Sw	Largo Medical Center	Short Term Acute Care Hospital	Largo	FL
827	12103	Florida	27.815581	-82.720100	6500 38th Ave N	St Petersburg General Hospital	Short Term Acute Care Hospital	Kenneth City	FL
828	12103	Florida	27.752612	-82.739687	1501 Pasadena Ave S	Palms of Pasadena Hospital	Short Term Acute Care Hospital	South Pasadena	FL
829	12103	Florida	27.953357	-82.802872	300 Pinellas St	Morton Plant Hospital	Short Term Acute Care Hospital	Clearwater	FL

830 rows × 9 columns