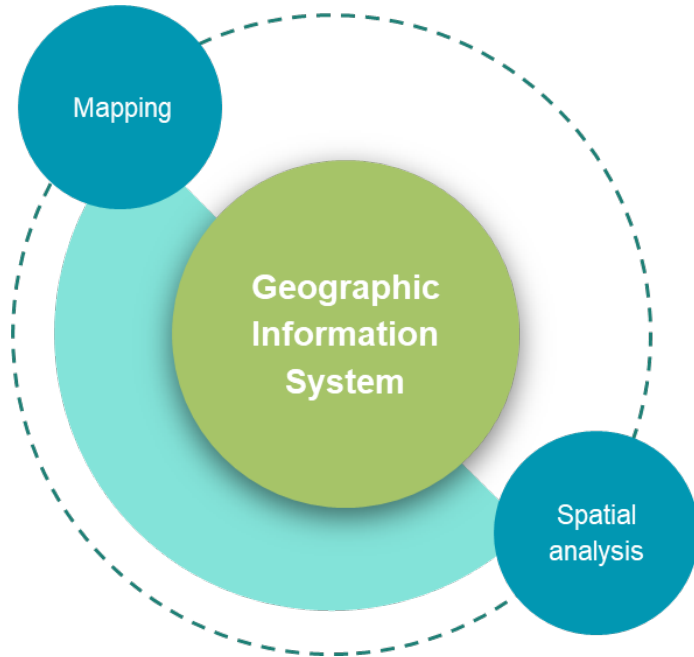


Geospatial Data

can be used for mapping and for spatial analysis.



Spatial data

Data that is in some way referenced to locations on the earth.



Attribute data

Tabular data that can be generally defined as additional information about each of the spatial features.

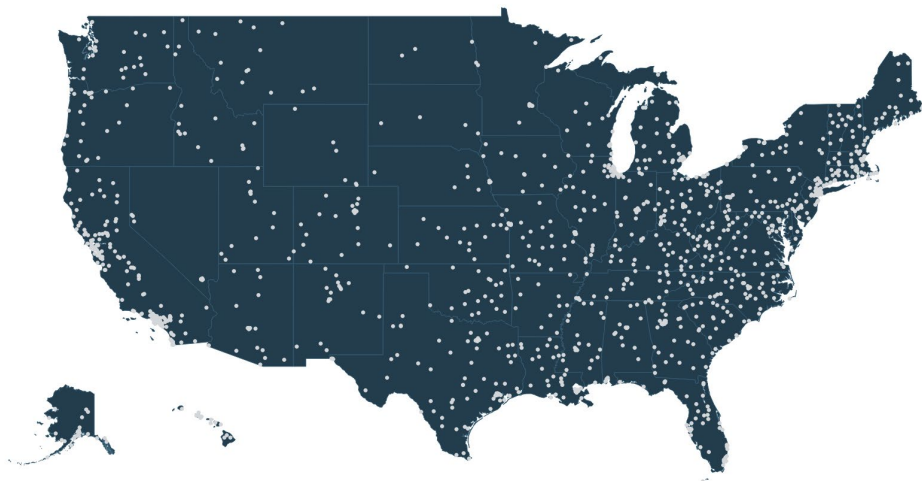


1

Dot Density Maps

show density differences in geographic distributions across a landscape.

What is the distribution of health centers in the US in 2019?



They are easy to understand and show us intuitively where features clump or cluster.



Maps both simple counts and rates and ratios



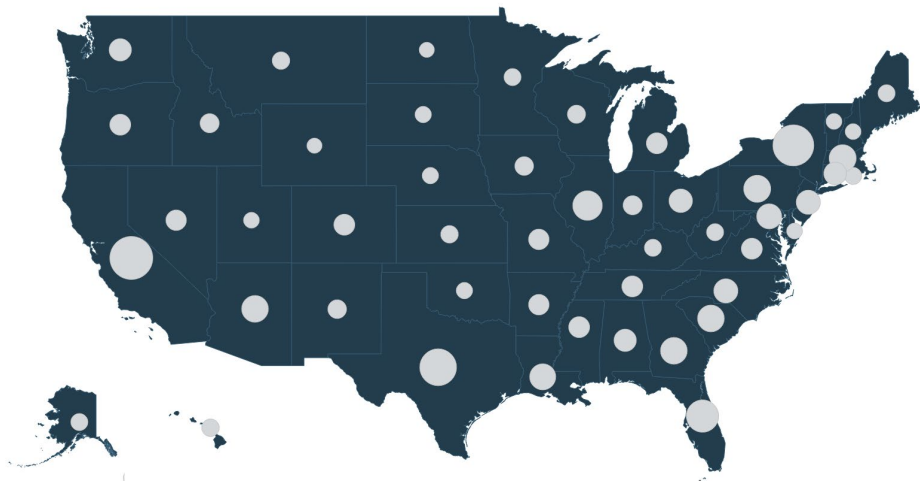
Works well in black and white



Difficult to retrieve rates or numbers

2 Proportional Symbol Maps scale the size of symbols proportionally to the data value of a location.

How many HIV patients are diagnosed and treated at health centers in 2019?



They highlight quantitative differences between mapped features or locations.



Maps both simple counts and rates and ratios



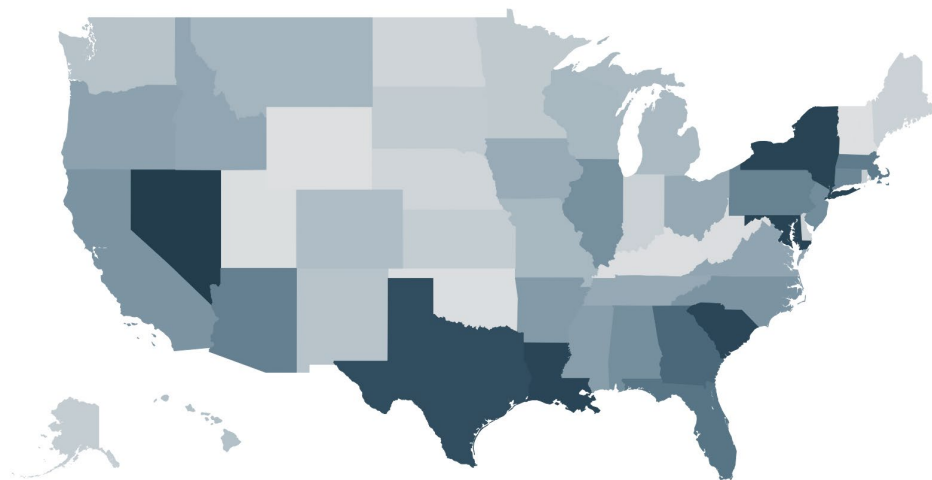
Can be an overlay on a choropleth map layer



Symbol overlap or congestion

3 Unclassed Choropleth Maps represent uncategorized data for areas by variations in shading.

What is the pattern of HIV diagnoses rates in patients in 2019?



Percentage of Patients Diagnosed with HIV
0.00%

1.64%

A less filtered view shows patterns and subtle differences between places.



Maps only rates and ratios



Visually appealing to audiences

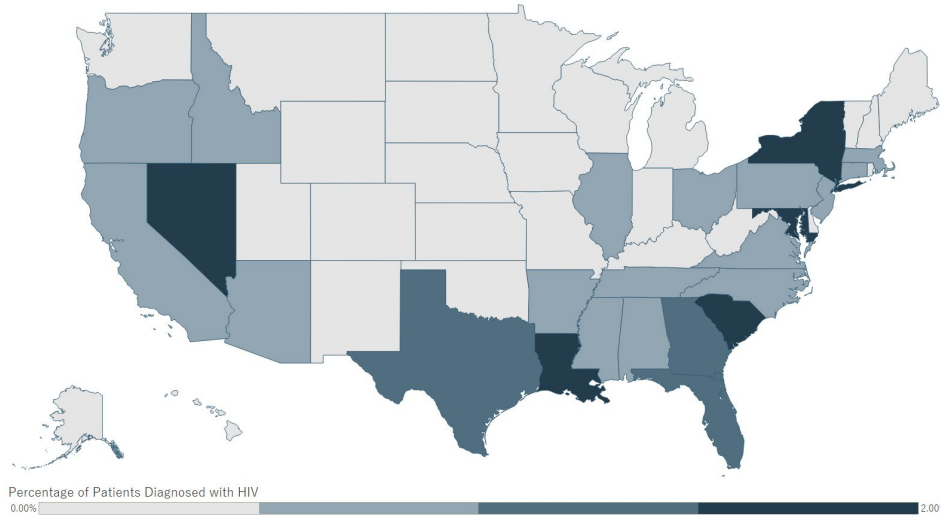


Variations are hard to discern

4 **Classed Choropleth Maps** represent

classes of data for areas by variations in shading.

Which states have the highest rate of HIV diagnoses in patients in 2019?



Low and high values can be easily discerned when similar observations are grouped.



Maps only rates and ratios



Specific value ranges can be retrieved



Appropriate classification can be challenging