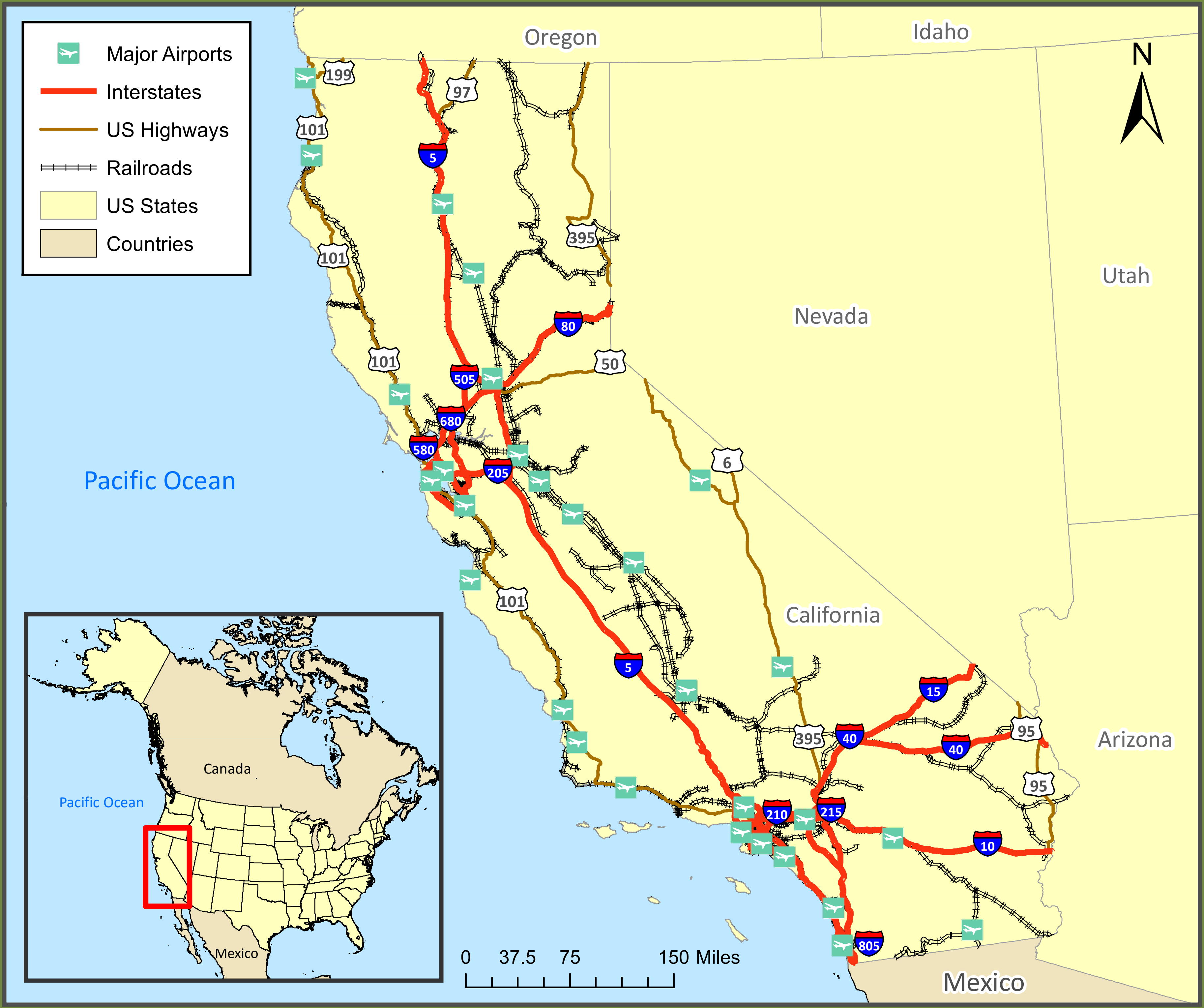
# Transportation in California



🟩 Major Airports
Interstates
US Highways
Railroads
US States
Countries
Oregon
Idaho
Nevada
Utah
California
Arizona
Mexico
Pacific Ocean
N
199
97
101
5
395
80
50
505
680
580
205
6
101
15
40
95
210
215
10
805
Canada
Pacific Ocean
Mexico
0 37.5 75 150 Miles

CALIFORNIA REPUBLIC

*"I love driving; driving along the California coastline is the best drive in the world." – Al Jardine*

*California is well known for its national parks, pleasant climate, and most importantly, a diverse and friendly population. However, another attraction to California is its superb transportation system across the state. Millions of commuters and travellers use these roads on a daily basis.*

*Below are some interesting statistics on the transportation system in California.*

***Interstate Highway length:***
***7610 km***

***US Highway length:***
***5549 km***

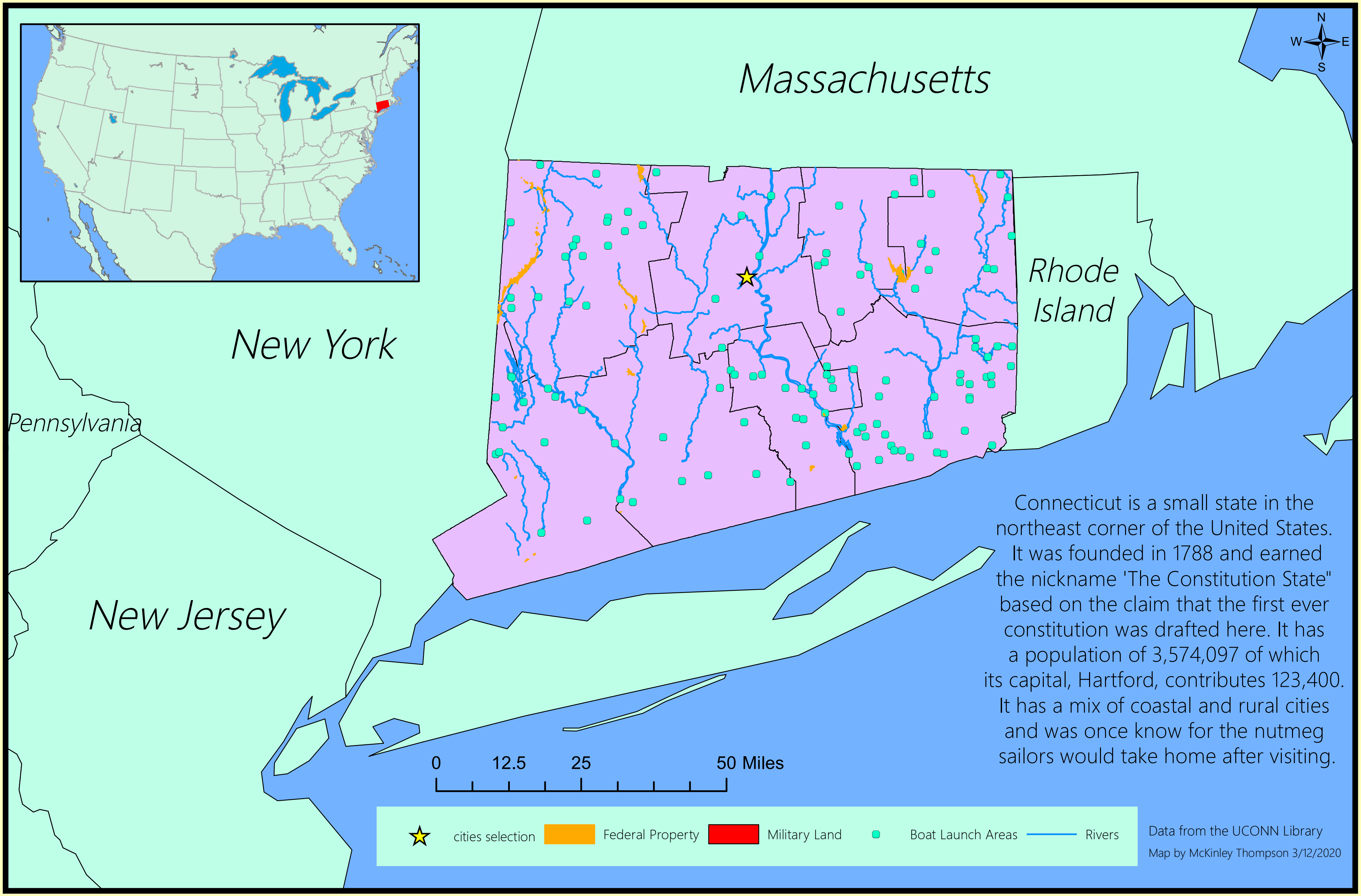
***Railroad network length:***
***9857 km***

***Numer of major airports:***
***29***

Map by Alan Bo Zhang

Data sources: https://earthworks.stanford.edu/catalog https://data.ca.gov/dataset/ca-geographic-boundaries
https://www.weather.gov/gis/USStates https://gadm.org/download_world.html

# Connecticut


Massachusetts
Rhode Island
New York
Pennsylvania
New Jersey
N
W
E
S
0
12.5
25
50 Miles
★ cities selection
Federal Property
Military Land
Boat Launch Areas
Rivers

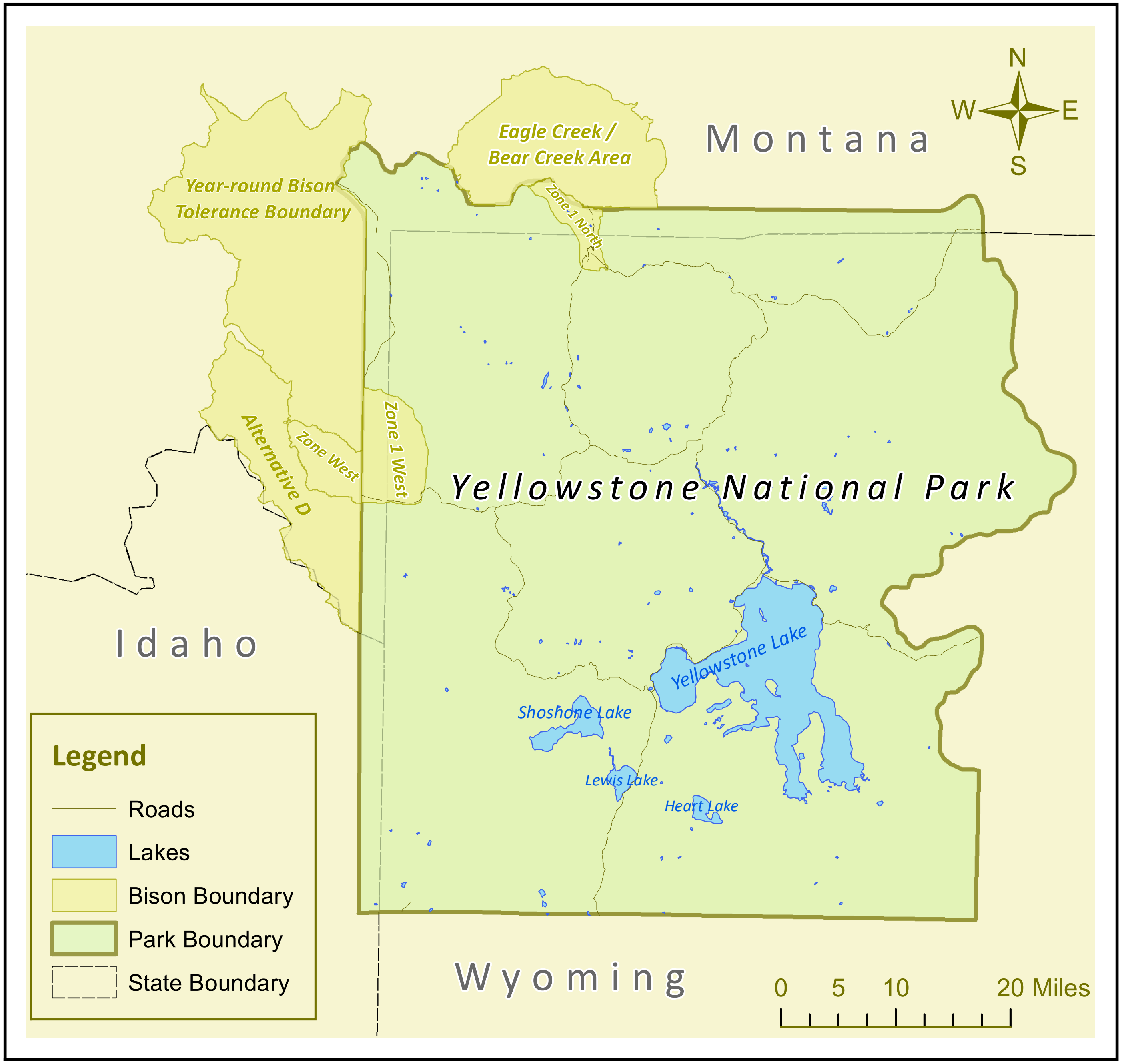
Connecticut is a small state in the northeast corner of the United States. It was founded in 1788 and earned the nickname 'The Constitution State" based on the claim that the first ever constitution was drafted here. It has a population of 3,574,097 of which its capital, Hartford, contributes 123,400. It has a mix of coastal and rural cities and was once know for the nutmeg sailors would take home after visiting.

Data from the UCONN Library

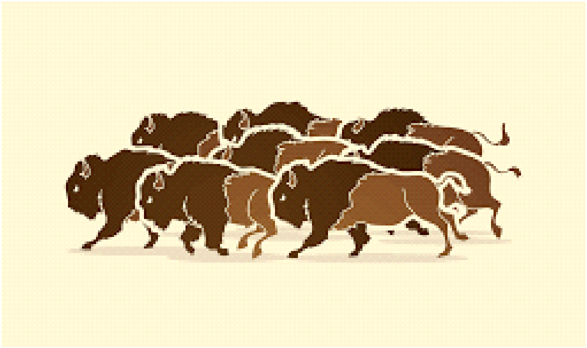
Map by McKinley Thompson 3/12/2020

# Yellowstone National Park - A Deeper Look

The first National Park in the United States was Yellowstone, founded in 1872. Yellowstone encompasses 3,472 square miles.
Map by: Conrad McEvoy, Map Data: http://gis.fwp.mt.gov, https://www.sciencebase.gov/, https://www.nps.gov/


N
W
E
S
Montana
Idaho
Wyoming
Eagle Creek / Bear Creek Area
Year-round Bison Tolerance Boundary
Zone 1 North
Zone West
Zone 1 West
Alternative D
Yellowstone National Park
Yellowstone Lake
Shoshone Lake
Lewis Lake
Heart Lake
0
5
10
20 Miles
Legend
Roads
Lakes
Bison Boundary
Park Boundary
State Boundary

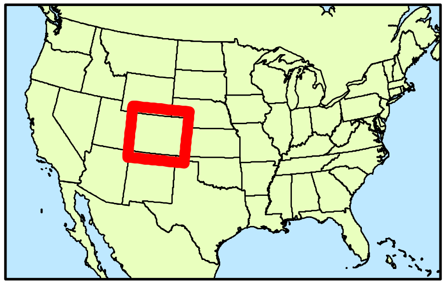
From nps.gov, "Yellowstone is the only place in the United States where bison have lived continuously since prehistoric times. Yellowstone bison are exceptional because they comprise the nation’s largest bison population on public land and are among the few bison herds that have not been hybridized through interbreeding with cattle. Unlike most other herds, this population has thousands of individuals that are allowed to roam relatively freely over the expansive landscape of Yellowstone National Park and some nearby areas of Montana. They also exhibit wild behavior like their ancient ancestors, congregating during the breeding season to compete for mates, as well as migration and exploration that result in the use of new habitat areas. These behaviors have enabled the successful restoration of a population that was on the brink of extinction very recently"

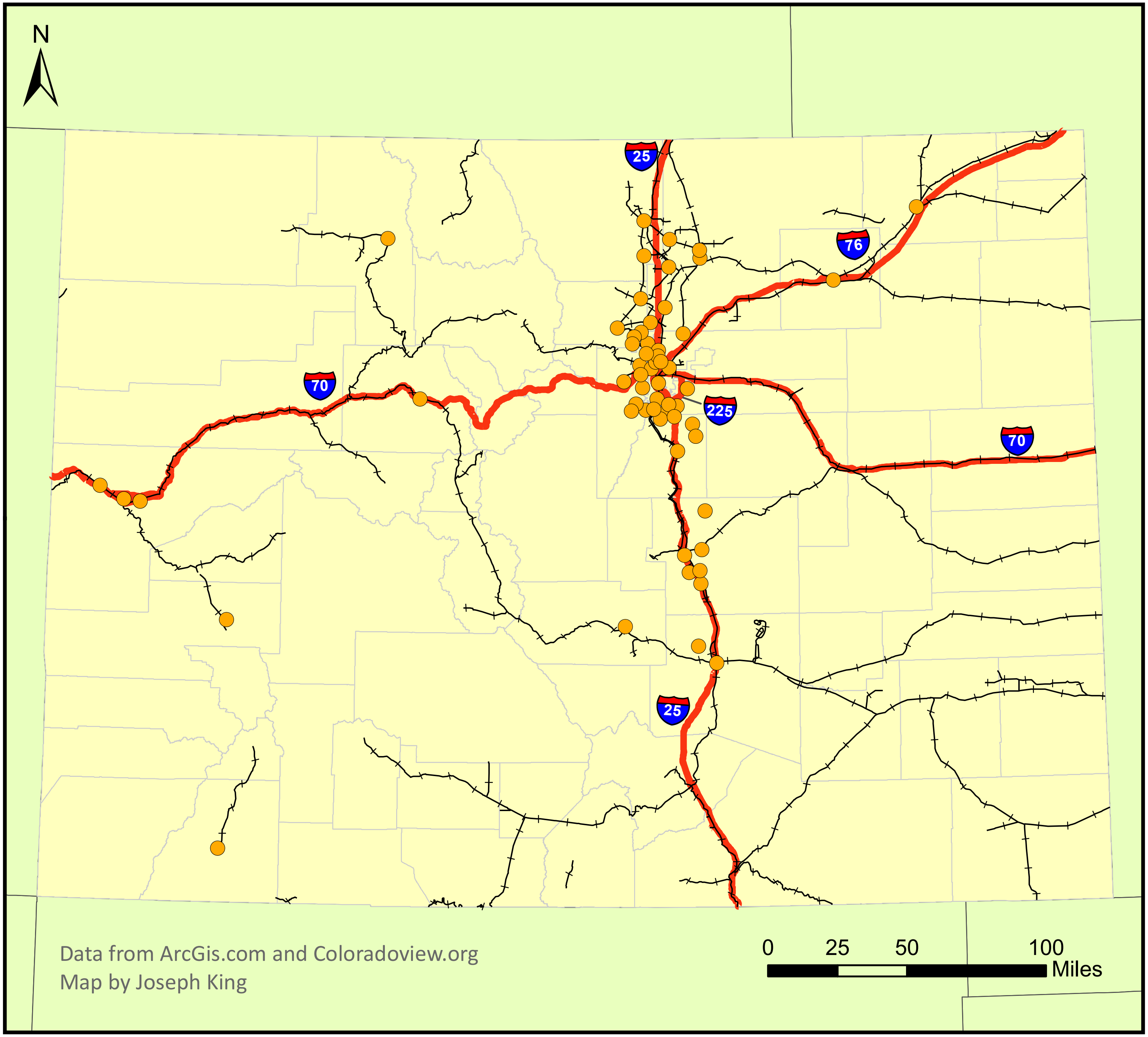


# Transportation in Colorado

Colorado's roads see well over 28 billion miles of travel annually. Well-maintained roads and rails keep Colorado connected and encourage economic stability and growth. - Colorado Department of Transportation

- ● Major Cities
- ┼ Railroads
- ▬ Interstates
- 🟨 Counties
- 🟩 States

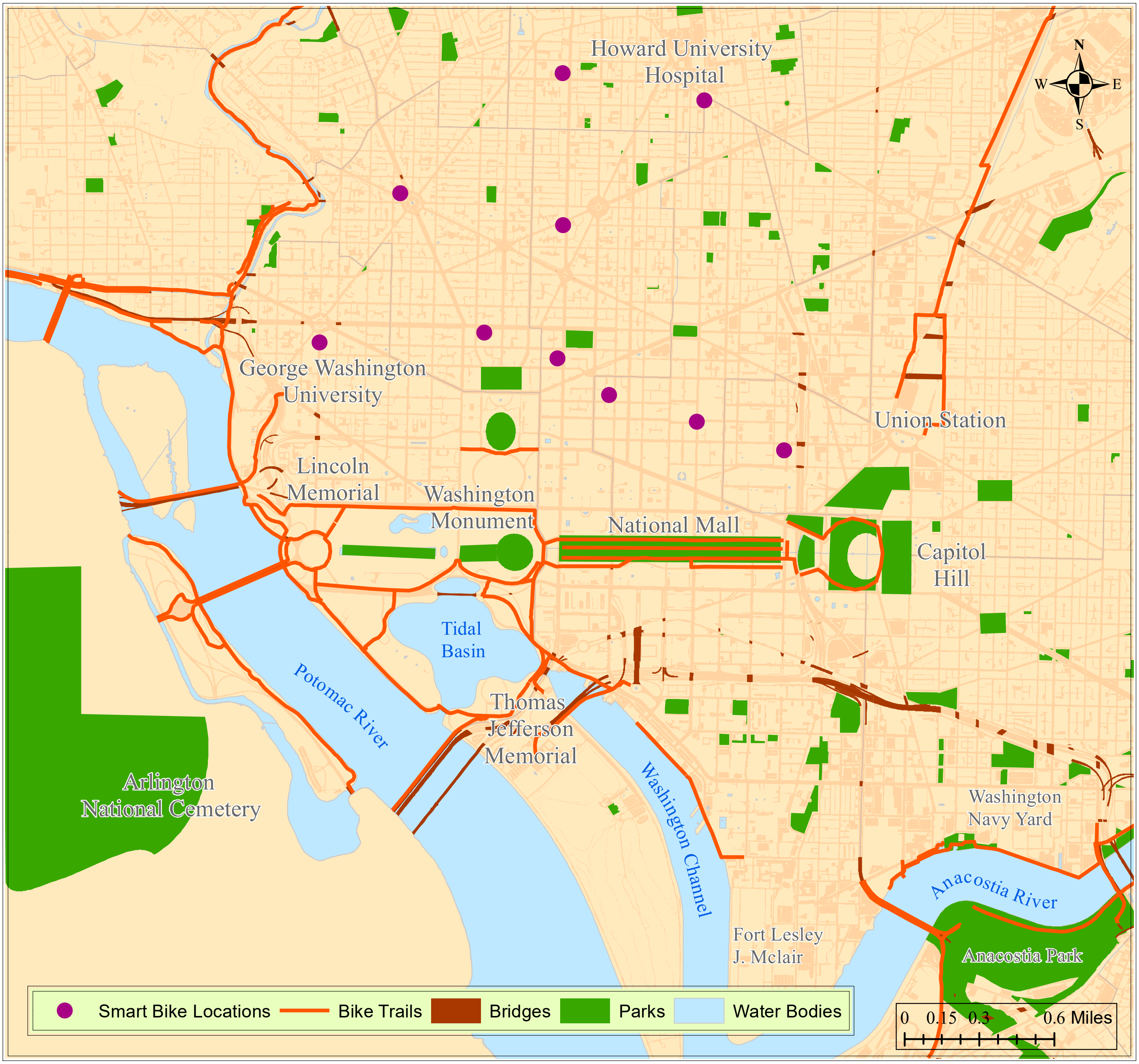




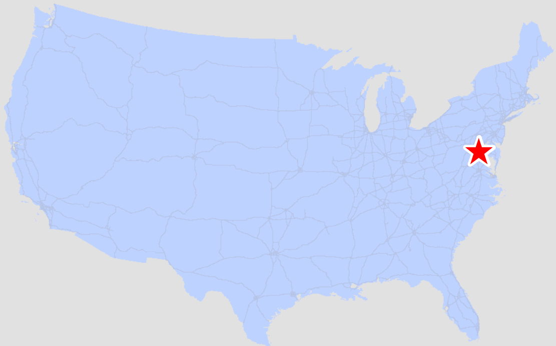
Data from ArcGis.com and Coloradoview.org
Map by Joseph King

# Washington DC Bike Accessibility

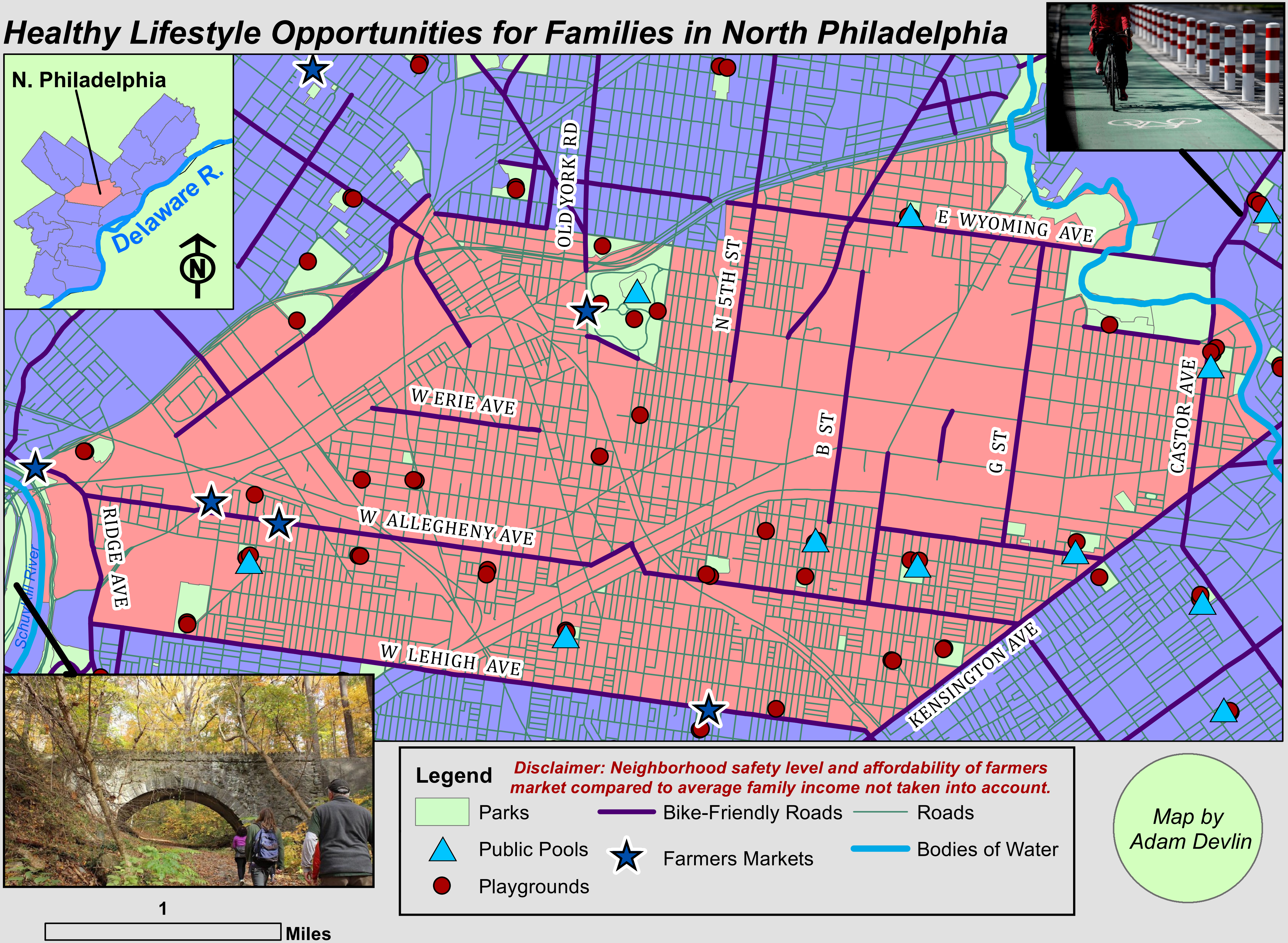
Map by: Soniya Bhagat Mar.13, 2020 Data Source: https://opendata.dc.gov/


Howard University Hospital
N
W
E
S
George Washington University
Union Station
Lincoln Memorial
Washington Monument
National Mall
Capitol Hill
Tidal Basin
Thomas Jefferson Memorial
Potomac River
Washington Channel
Arlington National Cemetery
Washington Navy Yard
Anacostia River
Anacostia Park
Fort Lesley J. Mclair
● Smart Bike Locations
Bike Trails
Bridges
Parks
Water Bodies
0 0.15 0.3 0.6 Miles

Washington DC, bordered by Virginia and Maryland, is the capital of the United States of America. It is home to many museums and national monuments including the Capitol and White House. For ease of transport many of the bike trails are located in park areas and along the National Mall.



# *Healthy Lifestyle Opportunities for Families in North Philadelphia*


N. Philadelphia
Delaware R.
N
OLD YORK RD
N 5TH ST
E WYOMING AVE
W ERIE AVE
B ST
G ST
CASTOR AVE
W ALLEGHENY AVE
RIDGE AVE
Schuylkill River
W LEHIGH AVE
KENSINGTON AVE
1
Miles

**Legend**

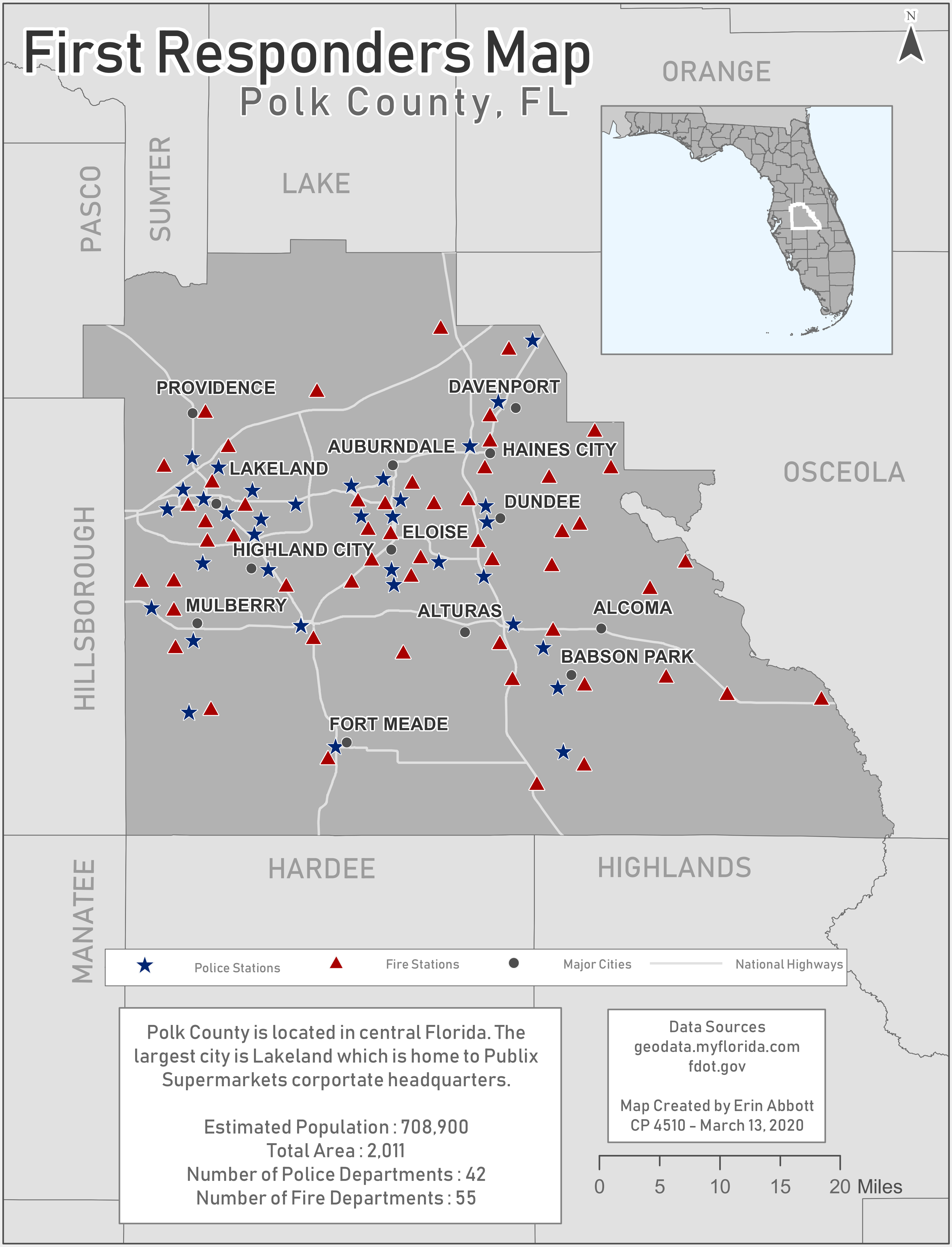
*Disclaimer: Neighborhood safety level and affordability of farmers market compared to average family income not taken into account.*

| | | |
|---|---|---|
| 🟩 Parks | ━ Bike-Friendly Roads | ─ Roads |
| ▲ Public Pools | ★ Farmers Markets | ━ Bodies of Water |
| ● Playgrounds | | |

*Map by Adam Devlin*

# First Responders Map

## Polk County, FL

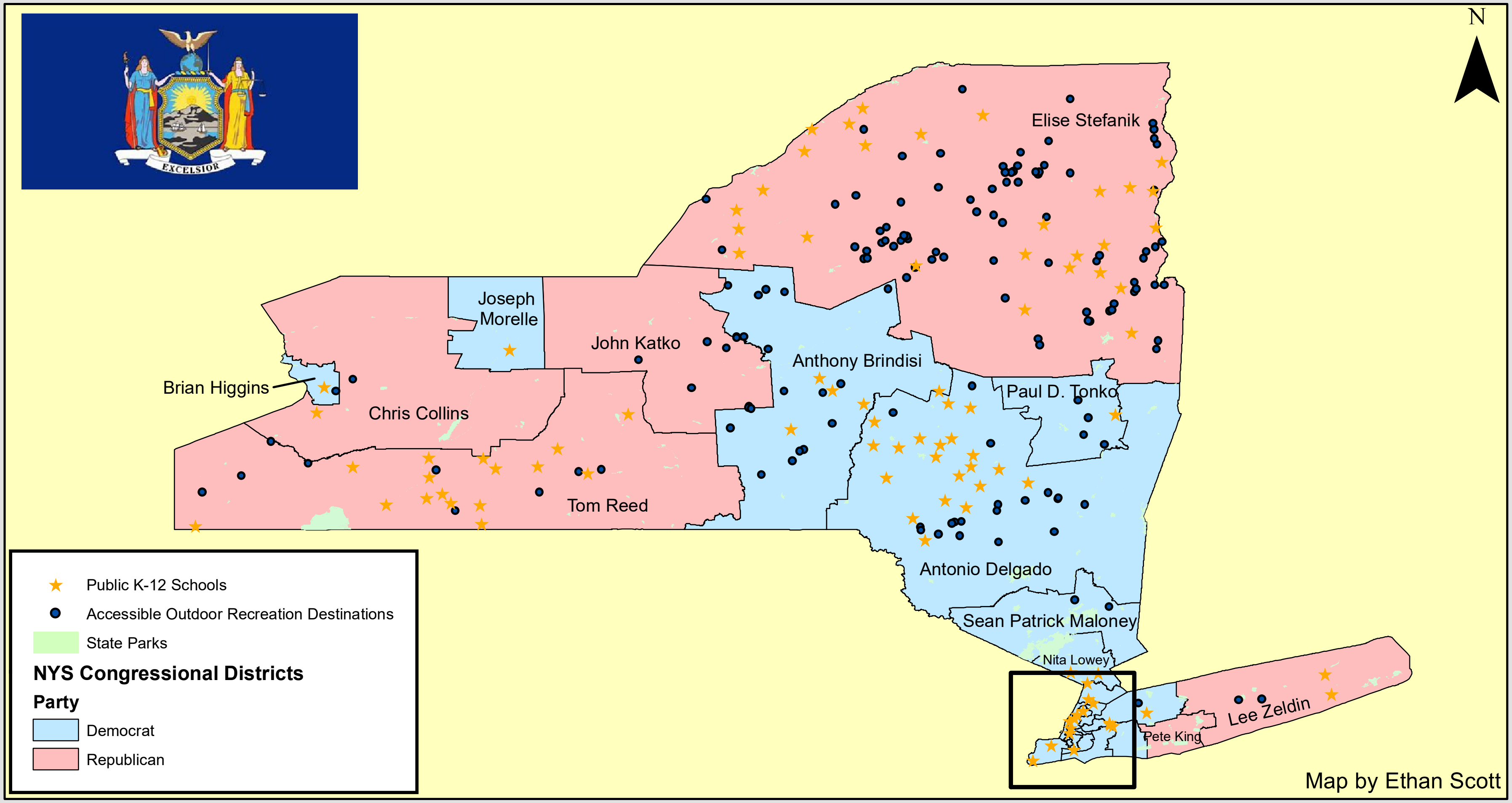

N
ORANGE
PASCO
SUMTER
LAKE
OSCEOLA
HILLSBOROUGH
HARDEE
HIGHLANDS
MANATEE
PROVIDENCE
DAVENPORT
AUBURNDALE
HAINES CITY
LAKELAND
DUNDEE
ELOISE
HIGHLAND CITY
MULBERRY
ALTURAS
ALCOMA
BABSON PARK
FORT MEADE
★ Police Stations
▲ Fire Stations
● Major Cities
National Highways
0
5
10
15
20 Miles

Polk County is located in central Florida. The largest city is Lakeland which is home to Publix Supermarkets corportate headquarters.

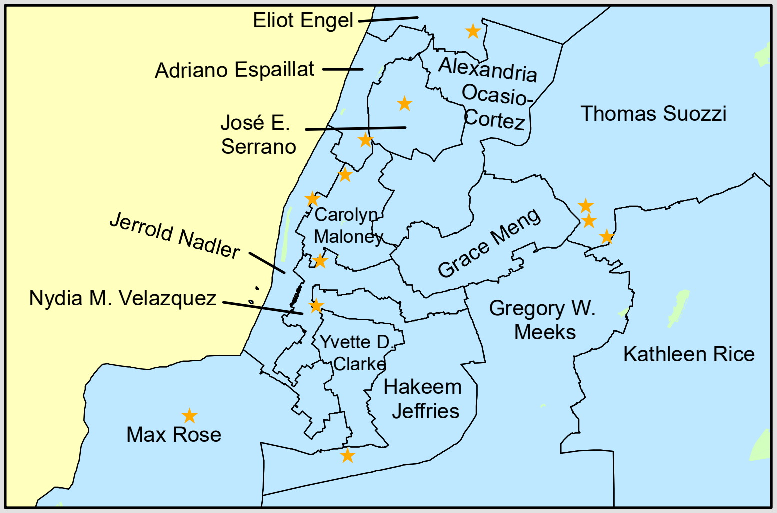
Estimated Population : 708,900
Total Area : 2,011
Number of Police Departments : 42
Number of Fire Departments : 55

Data Sources
geodata.myflorida.com
fdot.gov

Map Created by Erin Abbott
CP 4510 – March 13, 2020


N
Elise Stefanik
Joseph Morelle
John Katko
Anthony Brindisi
Brian Higgins
Chris Collins
Paul D. Tonko
Tom Reed
Antonio Delgado
Sean Patrick Maloney
Nita Lowey
Lee Zeldin
Pete King
Map by Ethan Scott
★ Public K-12 Schools
● Accessible Outdoor Recreation Destinations
🟩 State Parks
NYS Congressional Districts
Party
🟦 Democrat
🟥 Republican

# New York Public K-12 Schools and Outdoor Space by Congressional District

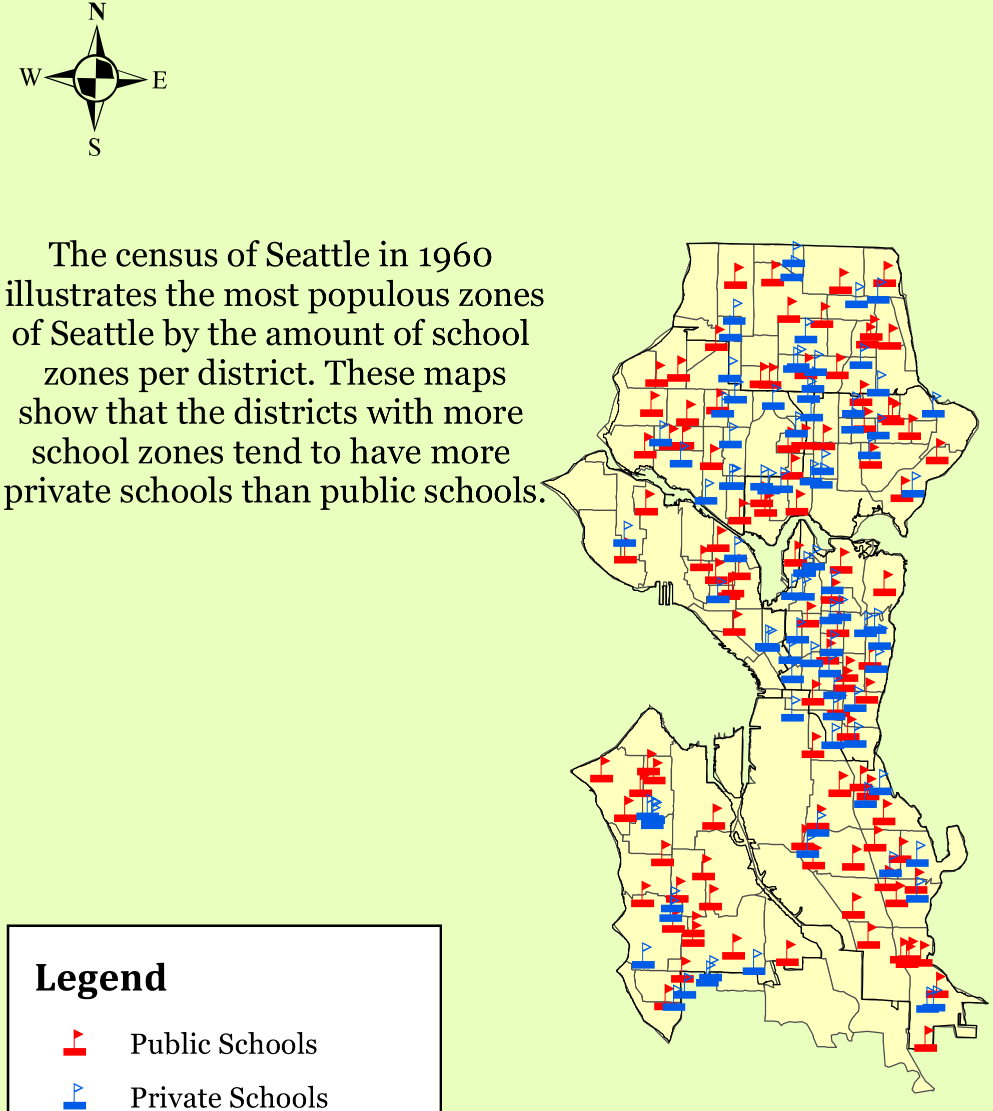

Eliot Engel
Adriano Espaillat
Alexandria Ocasio-Cortez
José E. Serrano
Thomas Suozzi
Carolyn Maloney
Jerrold Nadler
Grace Meng
Nydia M. Velazquez
Gregory W. Meeks
Yvette D. Clarke
Kathleen Rice
Hakeem Jeffries
Max Rose

According to Sanford Health, children who play outside experience 5 main benefits agianst those who do not.

1. Playing outside builds physically healthier children
2. Playing outside positively contributes to cognitive/emotional development
3. Playing outside improves children's sensory skills
4. Playing outside increases chidlren's attention spans
5. Playing outside boosts children's immune systems

If you beleive your child's school does not have enough outdoor space, contact the congressman that is labeled on your district!

# Seattle's Public and Private Schools


N
W
E
S

The census of Seattle in 1960 illustrates the most populous zones of Seattle by the amount of school zones per district. These maps show that the districts with more school zones tend to have more private schools than public schools.

**Legend**

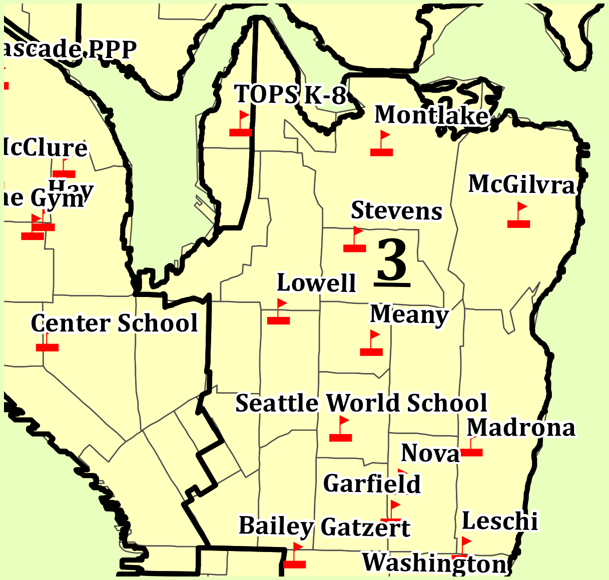
🟥 Public Schools

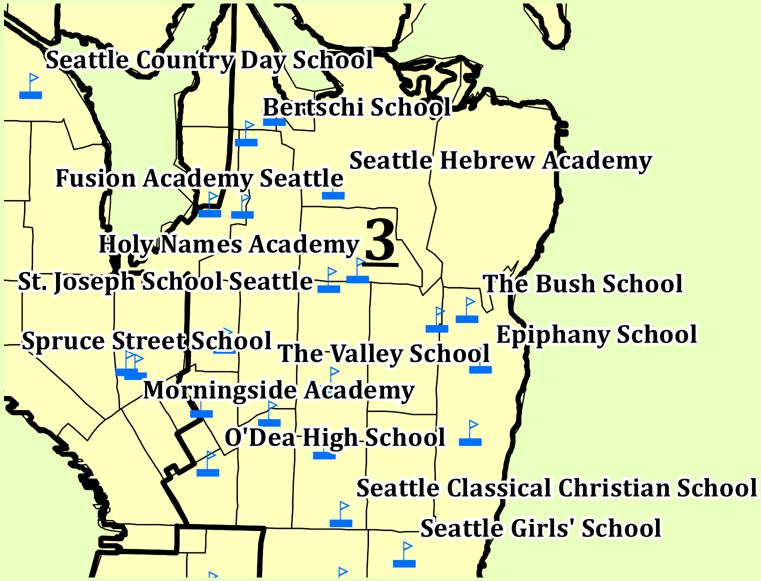
🟦 Private Schools

☐ Council Districts

🟨 Census Tracts of 1960

0
0.5
1
2 Miles


ascade PPP
TOPS K-8
Montlake
lcClure
Hay
e Gym
McGilvra
Stevens
3
Lowell
Center School
Meany
Seattle World School
Madrona
Nova
Garfield
Bailey Gatzert
Leschi
Washington


Seattle Country Day School
Bertschi School
Seattle Hebrew Academy
Fusion Academy Seattle
Holy Names Academy
3
St. Joseph School Seattle
The Bush School
Spruce Street School
The Valley School
Epiphany School
Morningside Academy
O'Dea High School
Seattle Classical Christian School
Seattle Girls' School

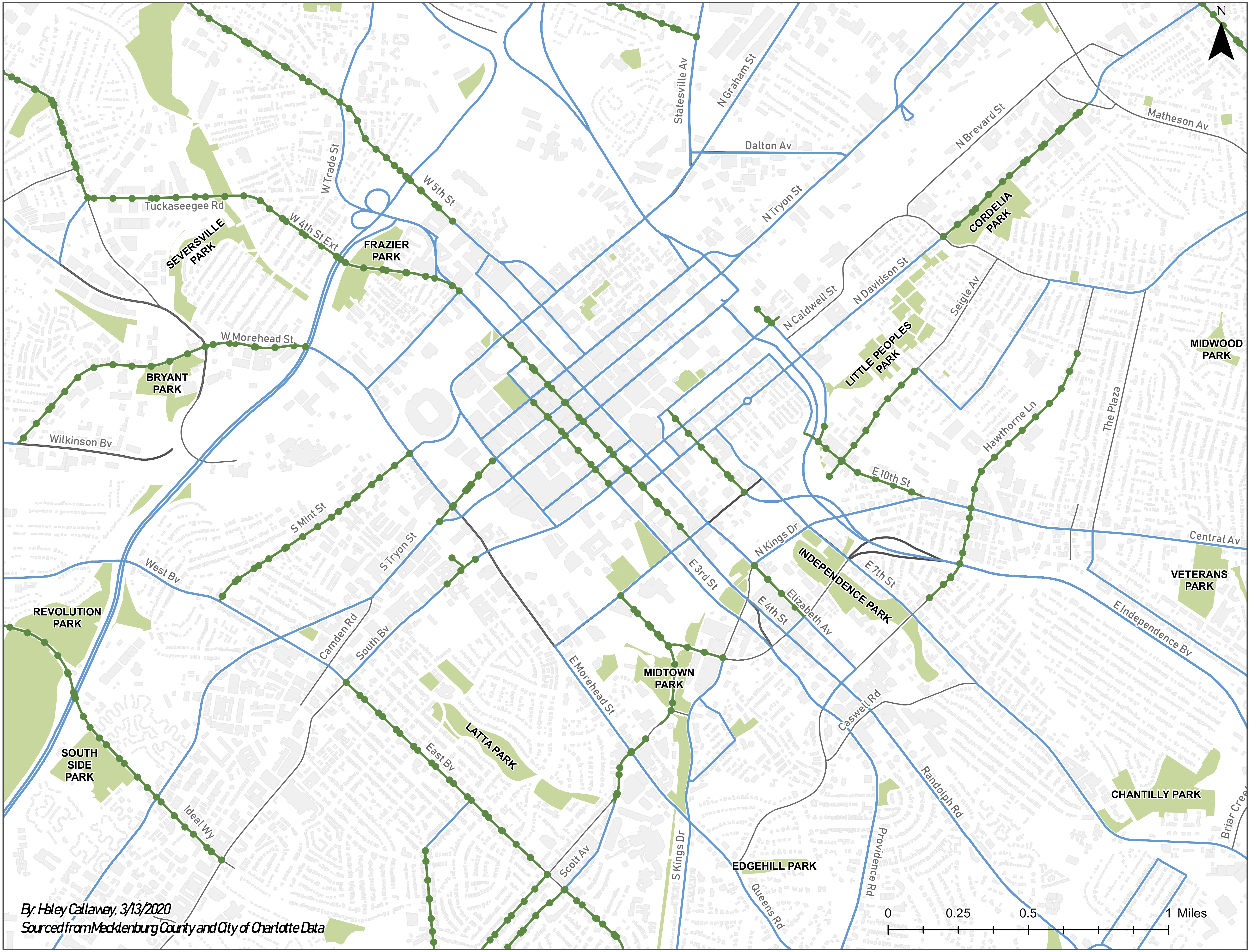
Map by Genevieve Onyiuke-Kennedy

March 13, 2020

# M BL
# ND N N
# CHARL

Charlotte, North Carolina is the 16th largest city in the United States and is growing at a rapid rate. As population density continues to increase, it is important for the transportation infrastructure to provide multimodal roads to get to the city's center. Many businesses, parks and leisure activities are located there. Providing a variety of options such as bus routes and bike lanes will allow more people to travel around the city without having as large an increase in traffic.

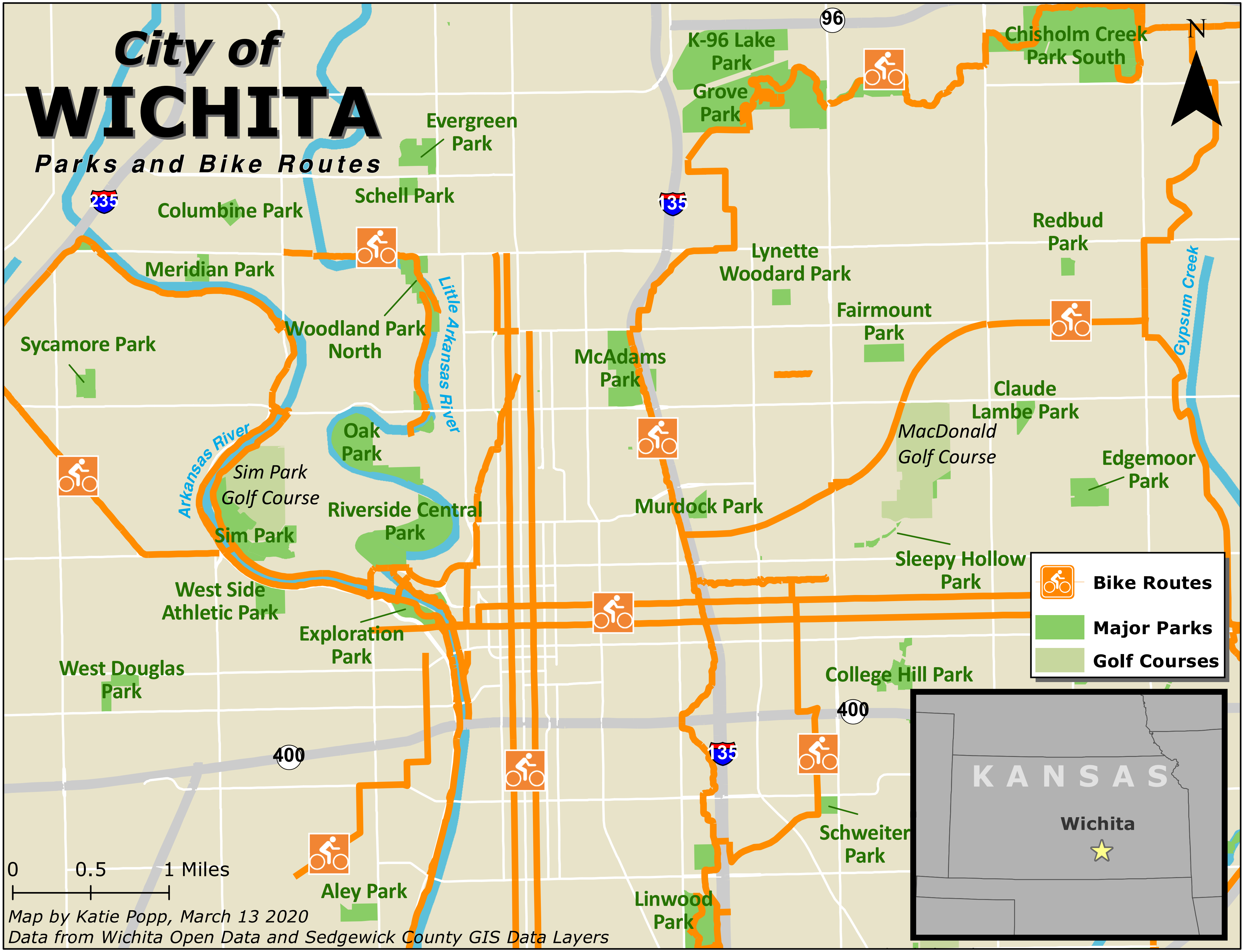
- Bike Lanes
- Bus Routes
- Major and Minor Roads
- Highways
- 🟩 Parks


N
Tuckaseegee Rd
SEVERSVILLE PARK
W 4th St Ext
FRAZIER PARK
W 5th St
W Trade St
W Morehead St
BRYANT PARK
Wilkinson Bv
S Mint St
S Tryon St
West Bv
REVOLUTION PARK
Camden Rd
South Bv
SOUTH SIDE PARK
Ideal Wy
East Bv
LATTA PARK
E Morehead St
MIDTOWN PARK
Scott Av
S Kings Dr
Statesville Av
N Graham St
Dalton Av
N Tryon St
N Brevard St
Matheson Av
CORDELIA PARK
N Caldwell St
N Davidson St
LITTLE PEOPLES PARK
Seigle Av
MIDWOOD PARK
Hawthorne Ln
The Plaza
E 10th St
Central Av
VETERANS PARK
N Kings Dr
INDEPENDENCE PARK
E 7th St
E 3rd St
E 4th St
Elizabeth Av
E Independence Bv
Caswell Rd
Randolph Rd
Providence Rd
Queens Rd
EDGEHILL PARK
CHANTILLY PARK
Briar Creek
0
0.25
0.5
1 Miles

By: Haley Callaway, 3/13/2020
Sourced from Mecklenburg County and City of Charlotte Data

# City of WICHITA

## Parks and Bike Routes



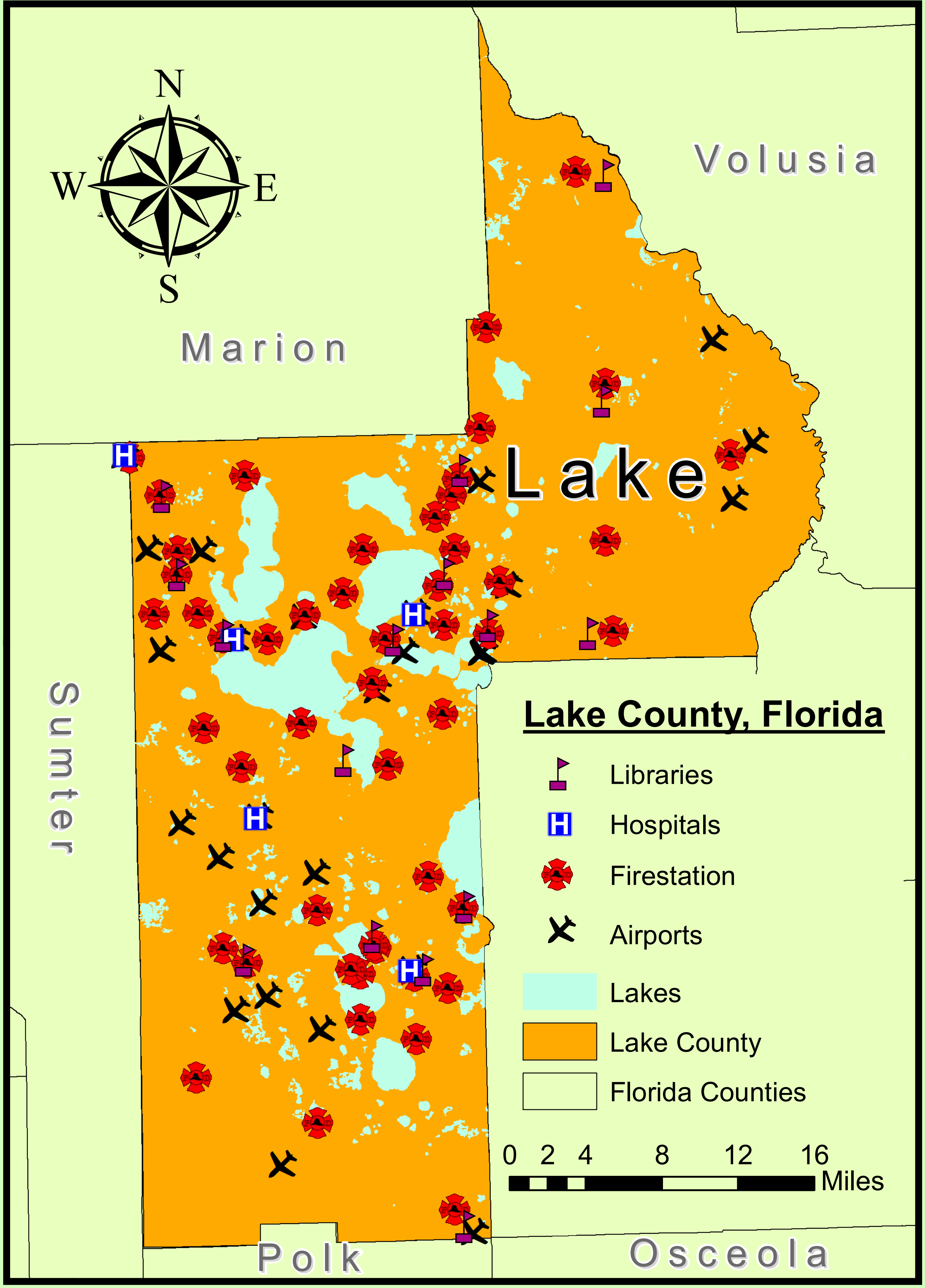
96
K-96 Lake Park
Grove Park
Chisholm Creek Park South
N
Evergreen Park
Schell Park
235
Columbine Park
135
Meridian Park
Lynette Woodard Park
Redbud Park
Little Arkansas River
Woodland Park North
Fairmount Park
Gypsum Creek
Sycamore Park
McAdams Park
Claude Lambe Park
Oak Park
MacDonald Golf Course
Arkansas River
Sim Park Golf Course
Edgemoor Park
Riverside Central Park
Murdock Park
Sim Park
Sleepy Hollow Park
West Side Athletic Park
Exploration Park
West Douglas Park
College Hill Park
400
135
400
Schweiter Park
Aley Park
Linwood Park
KANSAS
Wichita
0
0.5
1 Miles

| | |
|---|---|
| 🚲 | Bike Routes |
| 🟩 | Major Parks |
| 🟩 | Golf Courses |

Map by Katie Popp, March 13 2020

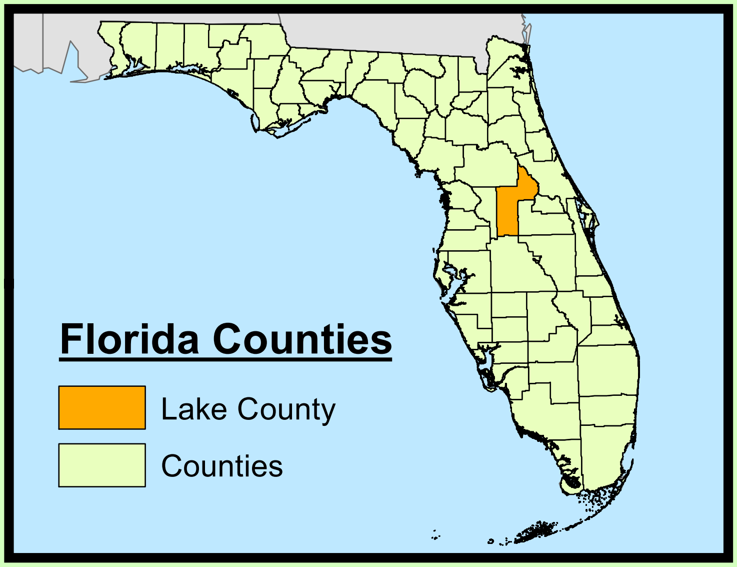
Data from Wichita Open Data and Sedgwick County GIS Data Layers

# *Lake County, Florida*


N
W
E
S
Marion
Volusia
Lake
Sumter
Polk
Osceola
Lake County, Florida
Libraries
Hospitals
Firestation
Airports
Lakes
Lake County
Florida Counties
0
2
4
8
12
16
Miles

LAKE
COUNTY
FLORIDA

**Lake County was founded May 27,1887. It is a combination from portions of Sumter and Orange county. Lake County recieved its name due tto the numerous lakes contained within its borders (approximately 250). Beginning of the 1940s, citrus production increased and grew into the area's leading industry.**

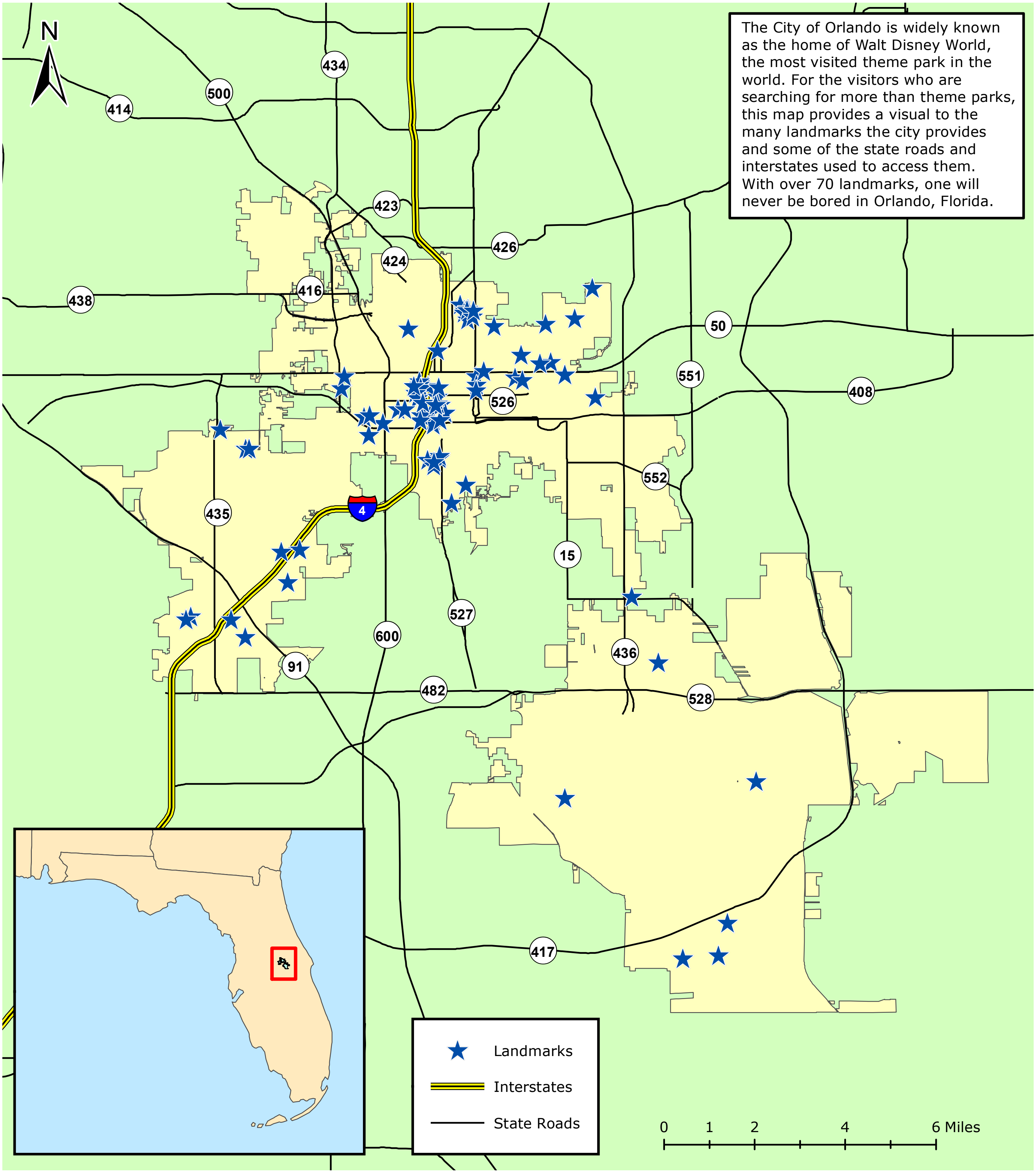

Florida Counties
Lake County
Counties

Map by: Jaylon King

Data from:
www.lakecountyfl.gov
https://datagateway.nrcs.usda.gov
https://wikipedia.ord/wiki/Lake_County,_Florida

Coordinate System:
NAD 1983 StatePlane Florida North FIPS 0903

# City of Orlando Landmarks

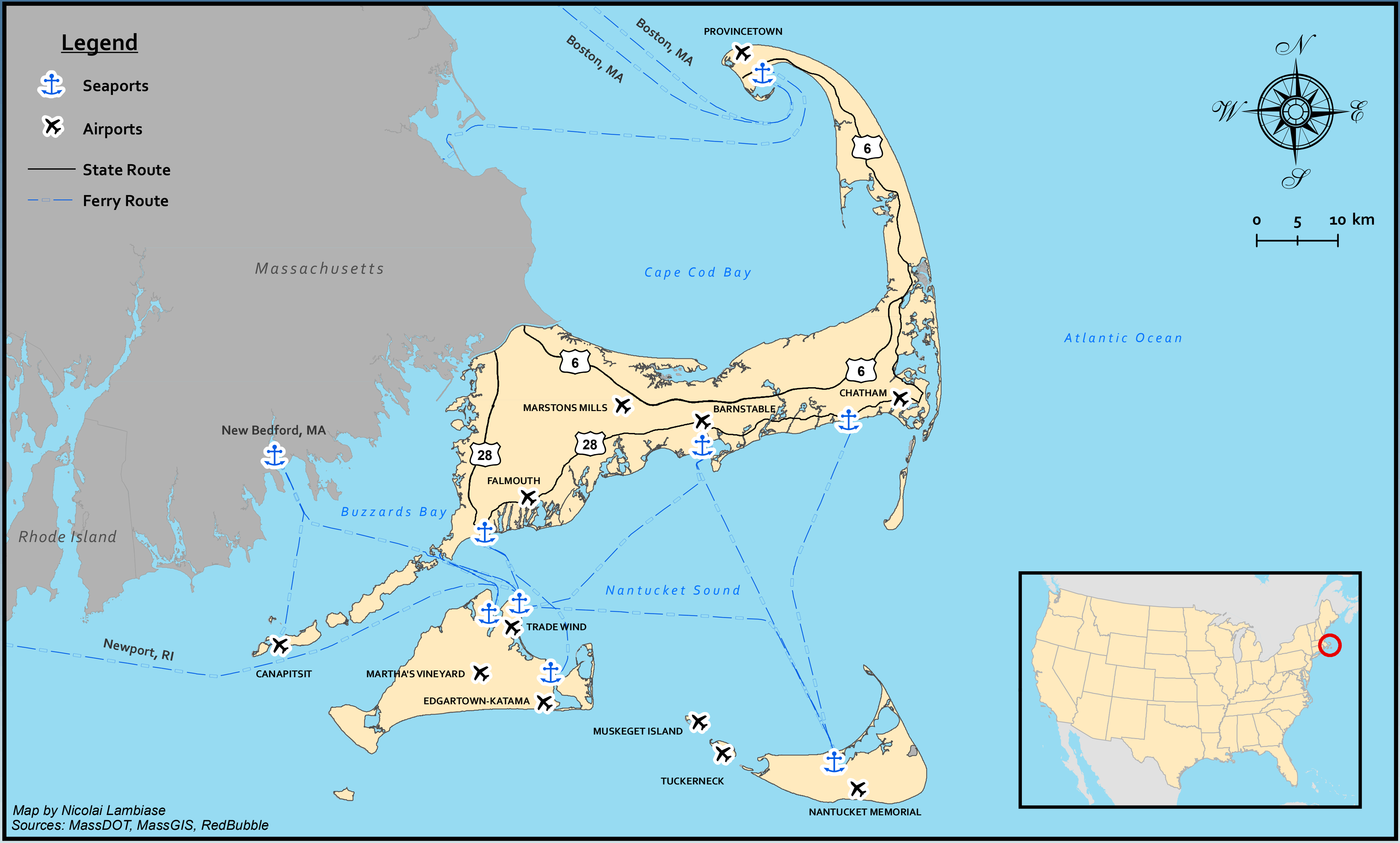

N
434
500
414
423
426
424
416
438
50
551
408
526
552
435
4
15
527
600
436
91
482
528
417
Landmarks
Interstates
State Roads
0
1
2
4
6 Miles

The City of Orlando is widely known as the home of Walt Disney World, the most visited theme park in the world. For the visitors who are searching for more than theme parks, this map provides a visual to the many landmarks the city provides and some of the state roads and interstates used to access them. With over 70 landmarks, one will never be bored in Orlando, Florida.

Source(s): United States Census Bureau; City of Orlando GIS Data Download; Florida Department of Transportation; Official State of Florida Geographic Data Portal
Map by Michelle Ortega
22 March 2020

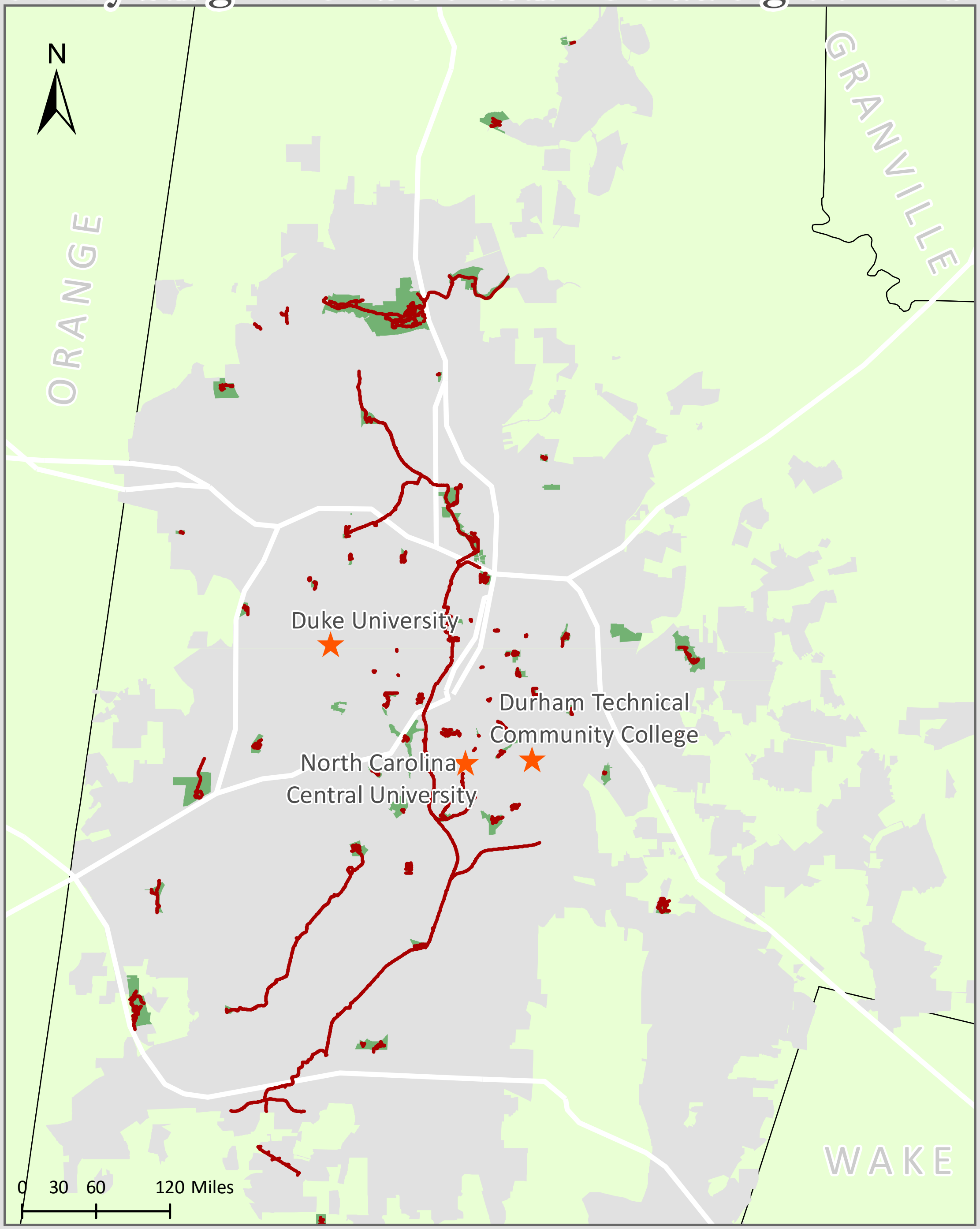
# Cape Cod, MA - Transportation Routes

*Airports, seaports, ferry routes, and highways of Cape Cod and Cape Cod islands.*

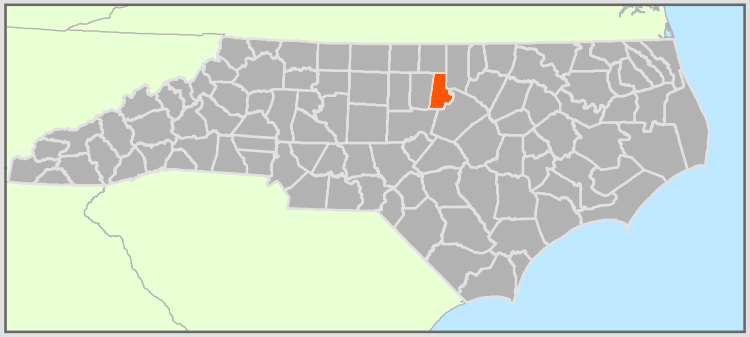

Legend
Seaports
Airports
State Route
Ferry Route
Boston, MA
Boston, MA
PROVINCETOWN
N
W
E
S
0
5
10 km
6
Massachusetts
Cape Cod Bay
Atlantic Ocean
6
6
CHATHAM
MARSTONS MILLS
BARNSTABLE
New Bedford, MA
28
28
FALMOUTH
Buzzards Bay
Rhode Island
Nantucket Sound
TRADE WIND
Newport, RI
CANAPITSIT
MARTHA'S VINEYARD
EDGARTOWN-KATAMA
MUSKEGET ISLAND
TUCKERNECK
NANTUCKET MEMORIAL

*Map by Nicolai Lambiase*
*Sources: MassDOT, MassGIS, RedBubble*

# Staying Active in College: Durham, North Carolina

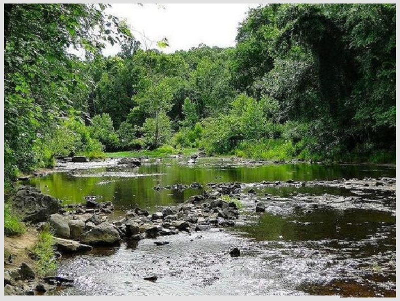

N
ORANGE
GRANVILLE
WAKE
Duke University
Durham Technical Community College
North Carolina Central University
0 30 60 120 Miles

Durham, North Carolina is home to three universities: Duke University, NC Central University, and Durham Technical Community College. As a college student in Durham, there are many ways to stay active and spend much needed time outdoors, including the parks and hiking and walking trails displayed on this map.



The Sandy Creek Trail is a 0.7 mile forested trail through Sandy Creek Park.It is a great place to spot wildlife such as blue herons and turtles. It is labeled as intermediate level hiking.

West Point on the Eno Park is the largest park in Durham with an area of 410 acres. There is a trail system throughout the park and it is dog friendly! There are also historical buildings to view and learn about.

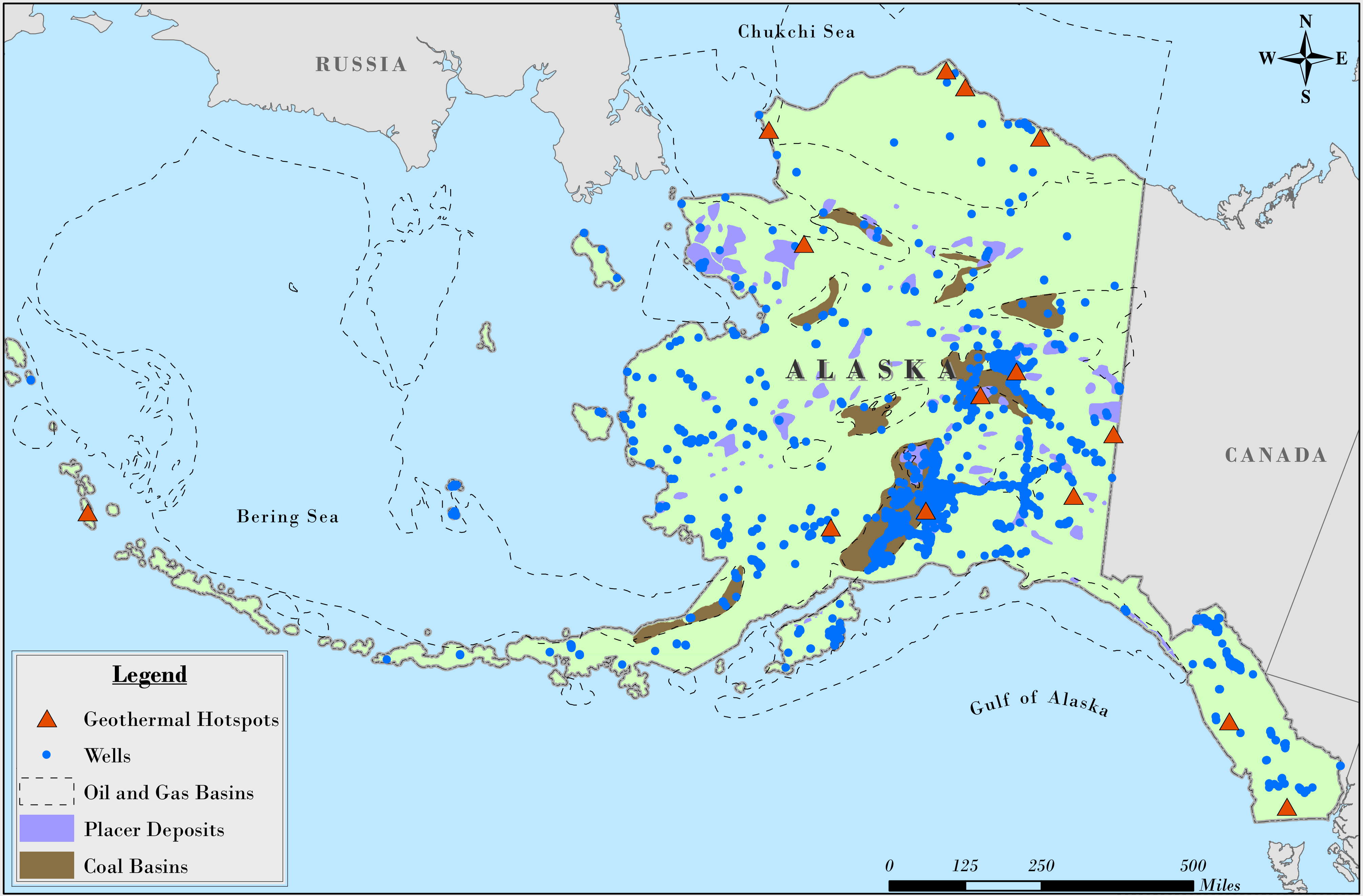


★ Colleges and Universities
🟩 Parks
— Hiking and Walking Trails
City of Durham
— Major Roads

*Map by: Olivia Mast* *Data Source: Live Durham NC Open Data and NC DNR Open Data*

# ALASKA

## The Last Frontier

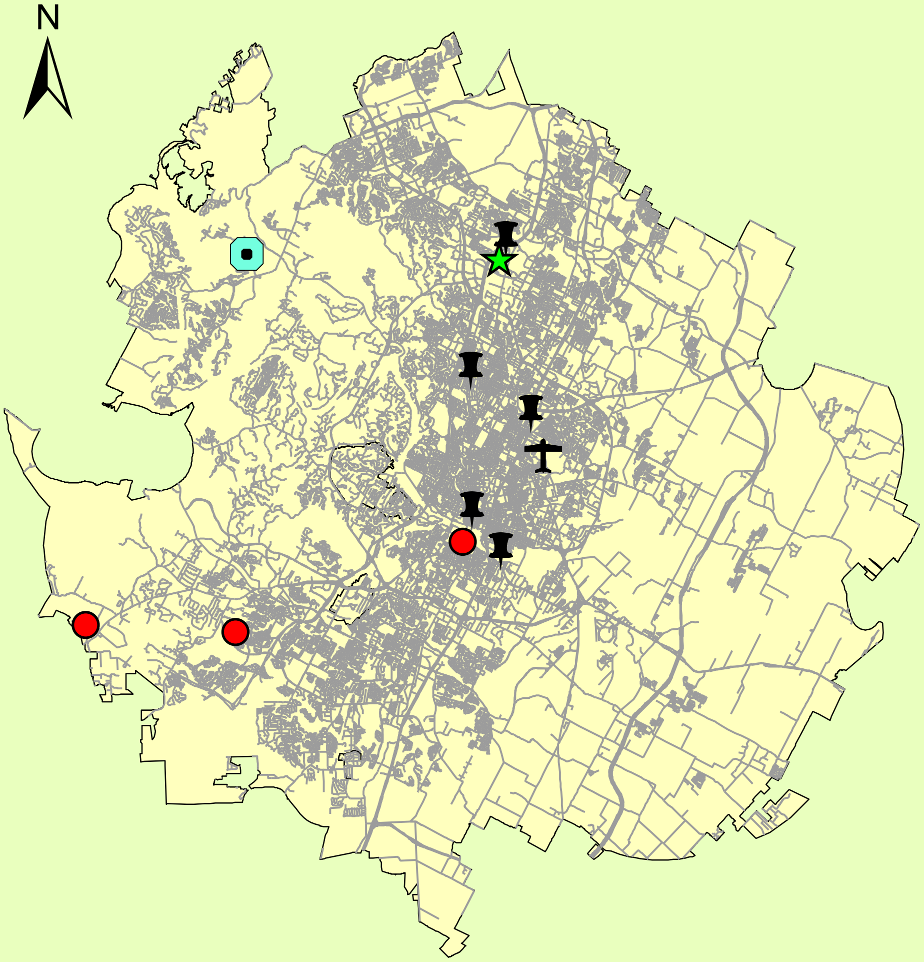

RUSSIA
Chukchi Sea
N
W
E
S
ALASKA
Bering Sea
CANADA
Gulf of Alaska
Legend
▲ Geothermal Hotspots
● Wells
Oil and Gas Basins
Placer Deposits
Coal Basins
0
125
250
500
Miles

**_Alaska is rich in history and in natural resources._**

Much of Alaska's economy is tied to the oil/gas and coal mining industries, as more than 80% of the state's revenue is linked to petroleum extraction. Geothermal energy as well as placer deposits are harvested all across the state.

Map by Laura Kelly // S2020
8 datasets from data.gov &
AK State Geo-Spatial
Data Clearinghouse

# Amazing Food and Places in Austin



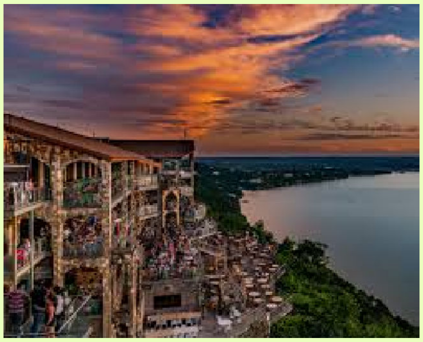
## Legend

- ★ The Domain
- ⬢ The Oasis on Lake Travis
- ● Torchy's
- 📌 Chilantrobbq
- ✈ Airport

The Domain is a high-density office, retail, and residential center owned and operated by Endeavor Real Estate Group, Cousins Properties, Simon Property Group, and Stonelake Capital Partners and is located in the high-tech corridor of northwest Austin, Texas,

TORCHY'S TACOS
HERE

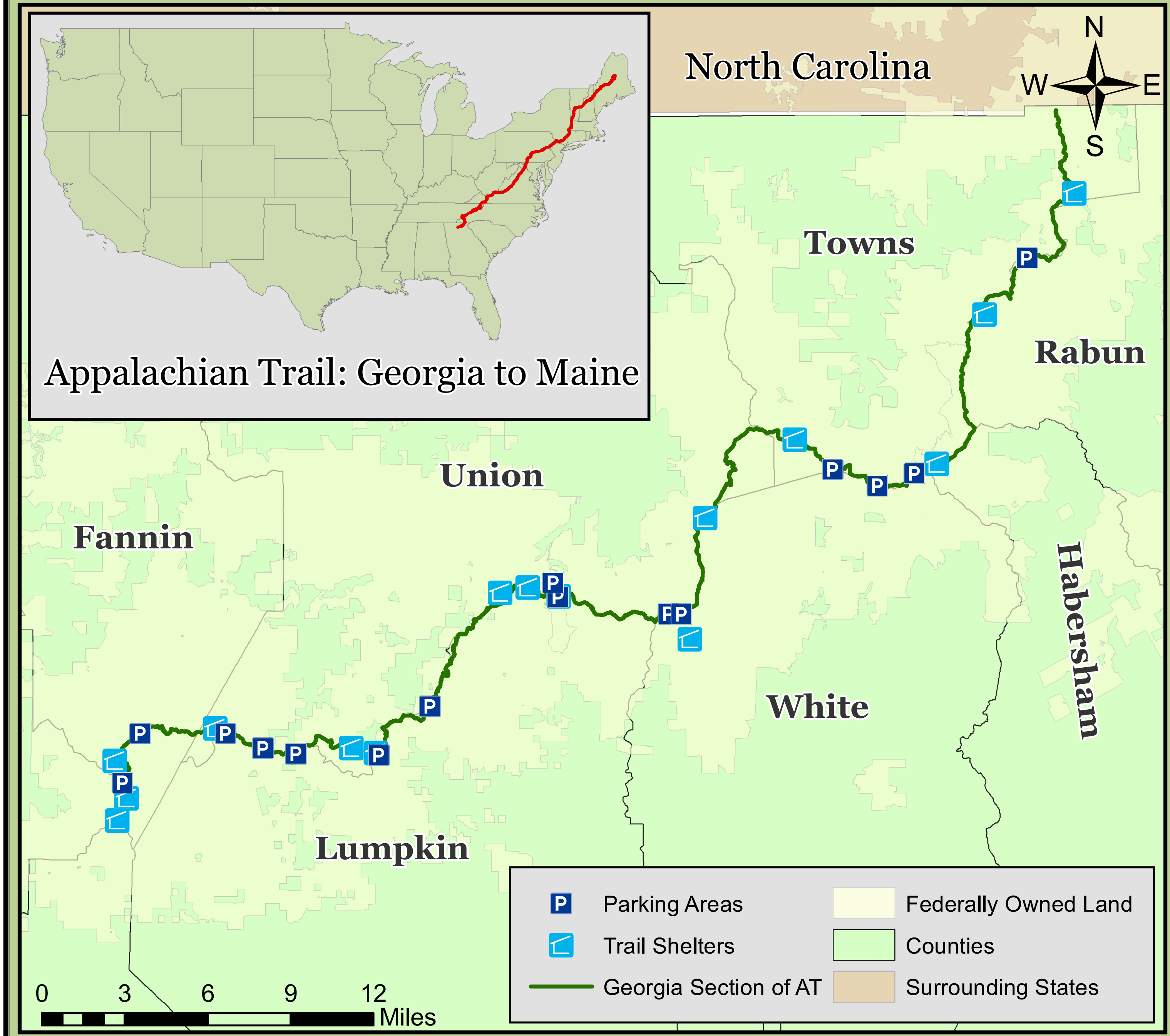
In 2006, Torchy's Tacos was started as a Taco truck in Austin, Texas on Bouldin Creek at South 1st by Michael Rypka. He first attracted customers by offering free homemade salsa and chips and invited them to his establishment.



The Oasis started off as just an idea. Beau Theriot, the owner of The Oasis, has always been a visionary, but never imagined what his idea would blossom into. Thirty-eight years later, The Oasis has become a well-known jewel nestled in the Austin hill country. We are best known as The Sunset Capital of Texas because most days, hundreds of guests from all over the world

Jae Kim, founder and CEO of Chi'Lantro, started a food truck business by maxing out his credit cards and taking out his total savings of $30,000 to pursue his dream of running a Korean Mexican fusion food truck business in 2010. Jae Kim has been featured in Food and Wine, Cooking Channel, and Food Network with his creation, The Original Kimchi Fries. In 2017, Jae won a deal with

# Georgia Section of the Appalachian Trail


North Carolina
N
W
E
S
Towns
Rabun
Union
Fannin
Habersham
White
Lumpkin
Appalachian Trail: Georgia to Maine
P Parking Areas
Trail Shelters
Georgia Section of AT
Federally Owned Land
Counties
Surrounding States
0
3
6
9
12
Miles

The Georgia section of the 2000+ mile Appalachian Trail is 78.6 miles starting at Springer Mountain. Nearly 50% of the A.T. in Georgia is on federally owned land.

Parking and camping shelters are located along the trail for day-hikers as well as hikers headed to Maine

Map by: Joseph Cathey
Sources:
https://appalachiantrail.org/
https://datagateway.nrcs.usda.gov/
https://data.georgiaspatial.org/login.asp

# Puget Sound

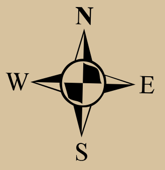
## Highway & Ferry Systems

Washington State

Transportation in around Western Washingon is unique because of the Puget Sound and various lakes in the area.

The highway system is made up of state and local highways, which are part of the national interstate system, but it also includes many scenic routes.

The ferry system in Washington State is extensive and highly efficient. There are 10 termials just in the Puget Sound area, and about 400 to 500 trips are made each day.



Ferry Terminal

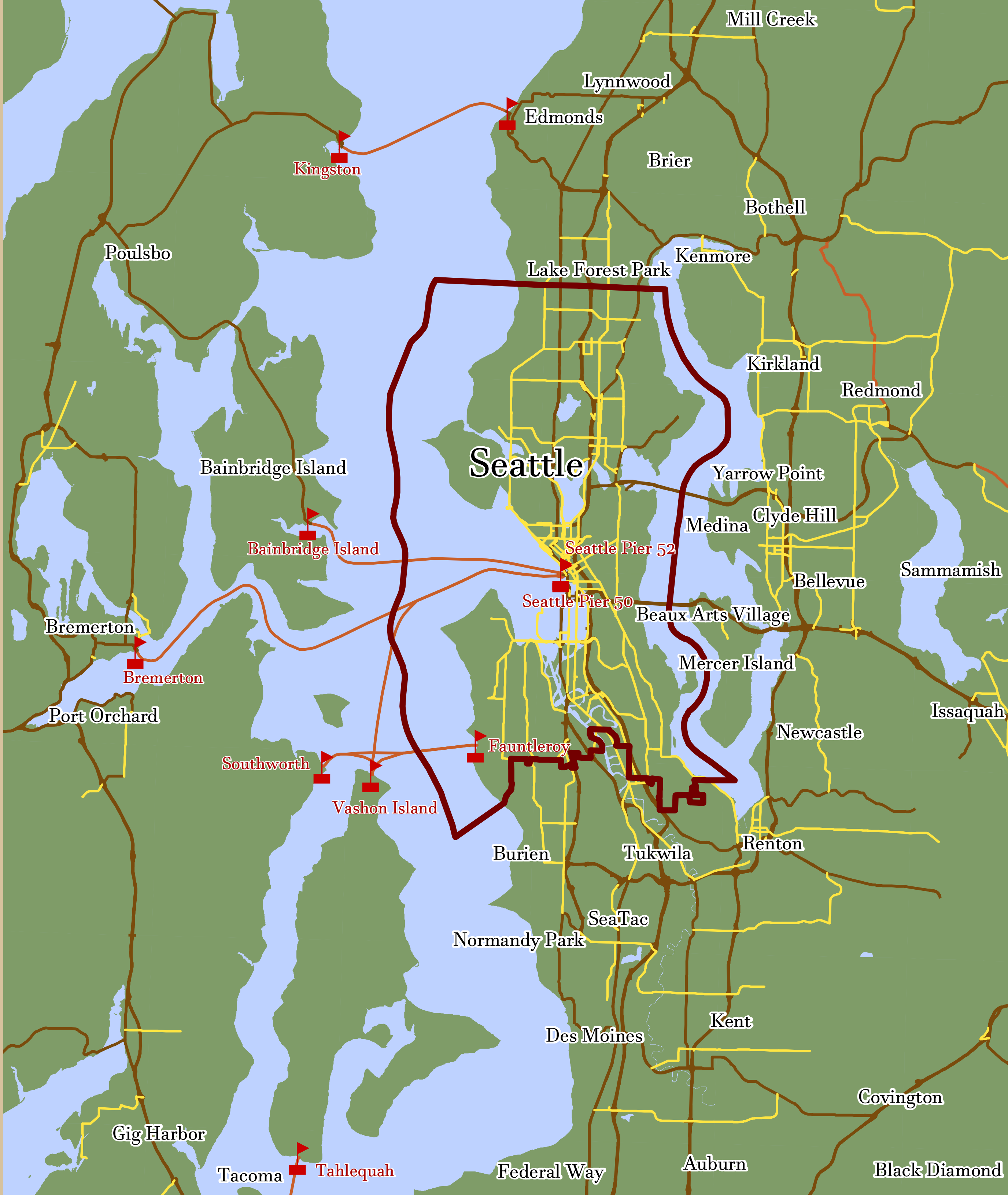
Local Highways

State Highways

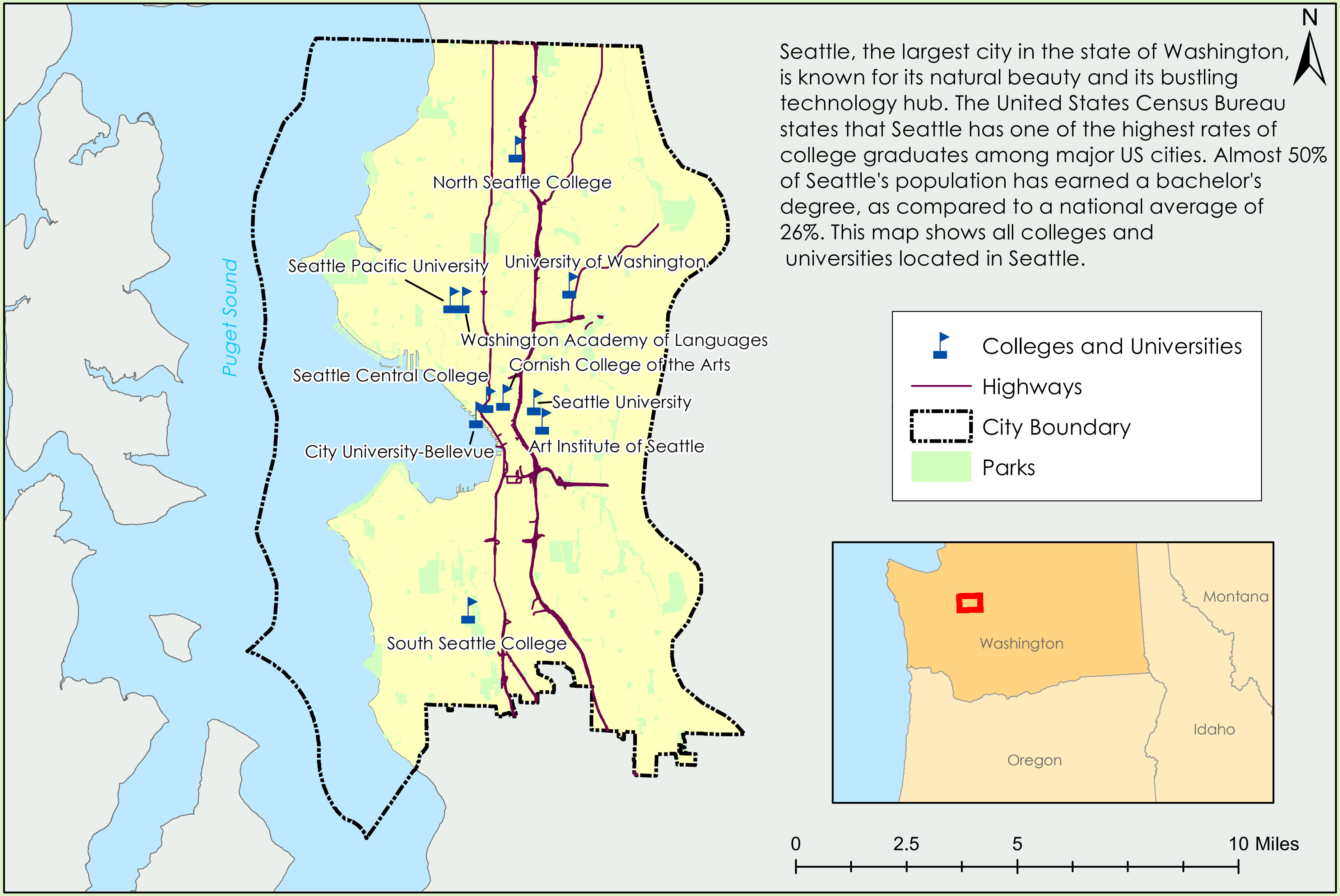
Scenic Highways

Map By: Sara Benoit

Data: wsdot.wa.gov & geo.wa.gov


Mill Creek
Lynnwood
Edmonds
Kingston
Brier
Bothell
Poulsbo
Kenmore
Lake Forest Park
Kirkland
Redmond
Seattle
Bainbridge Island
Yarrow Point
Clyde Hill
Medina
Bainbridge Island
Seattle Pier 52
Sammamish
Bellevue
Seattle Pier 50
Beaux Arts Village
Bremerton
Bremerton
Mercer Island
Port Orchard
Issaquah
Newcastle
Fauntleroy
Southworth
Vashon Island
Burien
Tukwila
Renton
SeaTac
Normandy Park
Kent
Des Moines
Covington
Gig Harbor
Tacoma
Tahlequah
Federal Way
Auburn
Black Diamond

# Colleges and Universities in Seattle, Washington


N
North Seattle College
Seattle Pacific University
University of Washington
Washington Academy of Languages
Cornish College of the Arts
Seattle Central College
Seattle University
City University-Bellevue
Art Institute of Seattle
South Seattle College
Puget Sound
Colleges and Universities
Highways
City Boundary
Parks
Montana
Washington
Idaho
Oregon
0
2.5
5
10 Miles

Seattle, the largest city in the state of Washington, is known for its natural beauty and its bustling technology hub. The United States Census Bureau states that Seattle has one of the highest rates of college graduates among major US cities. Almost 50% of Seattle's population has earned a bachelor's degree, as compared to a national average of 26%. This map shows all colleges and universities located in Seattle.

Map by Sarah Lowry, March 2020 Sources: King County GIS, Washington State, Washington State Department of Transportation, data.gov

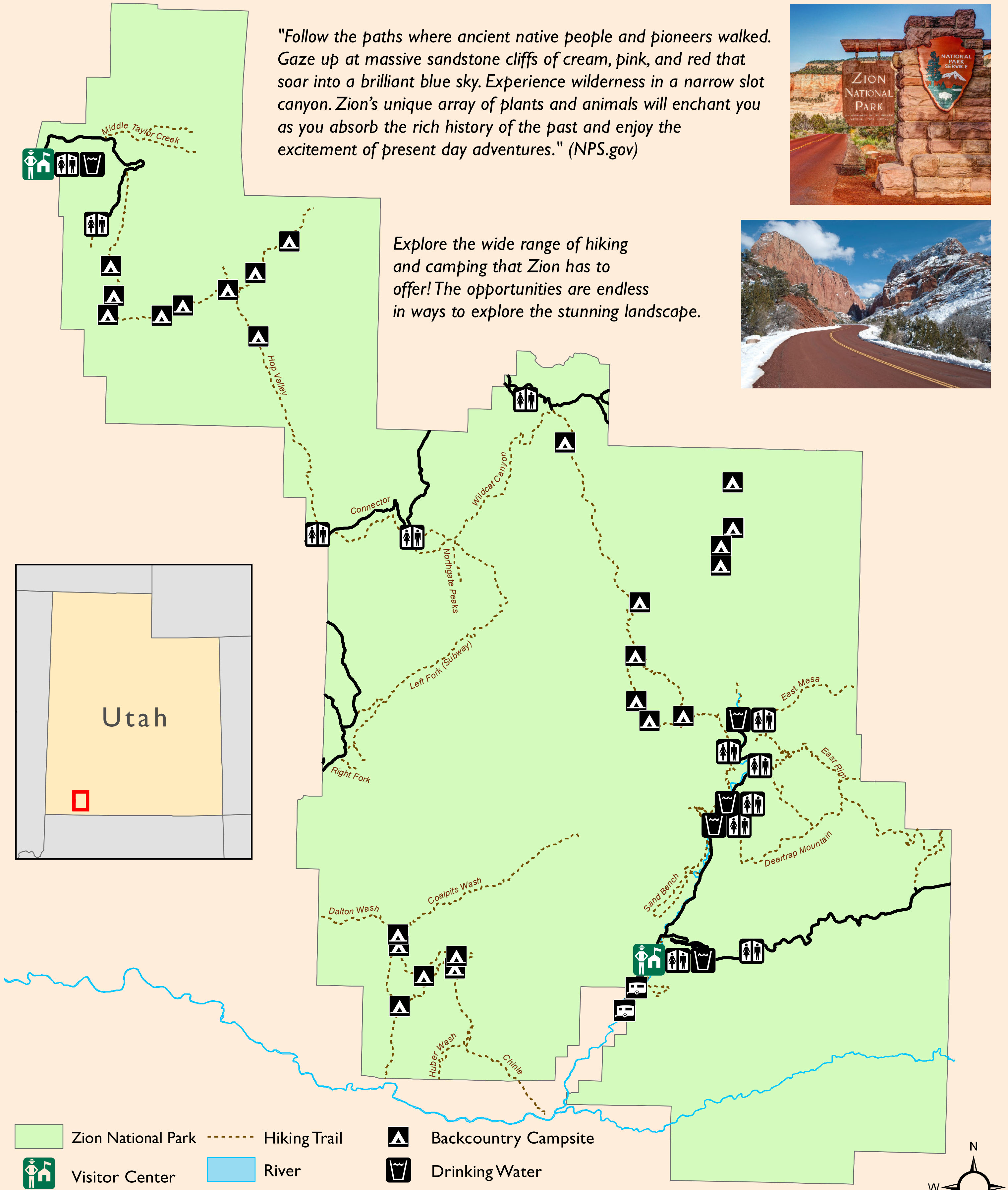
# ZION NATIONAL PARK

Map Document by Jared Borders 3/13/20

*"Follow the paths where ancient native people and pioneers walked. Gaze up at massive sandstone cliffs of cream, pink, and red that soar into a brilliant blue sky. Experience wilderness in a narrow slot canyon. Zion's unique array of plants and animals will enchant you as you absorb the rich history of the past and enjoy the excitement of present day adventures." (NPS.gov)*

Zion
National
Park
National
Park
Service

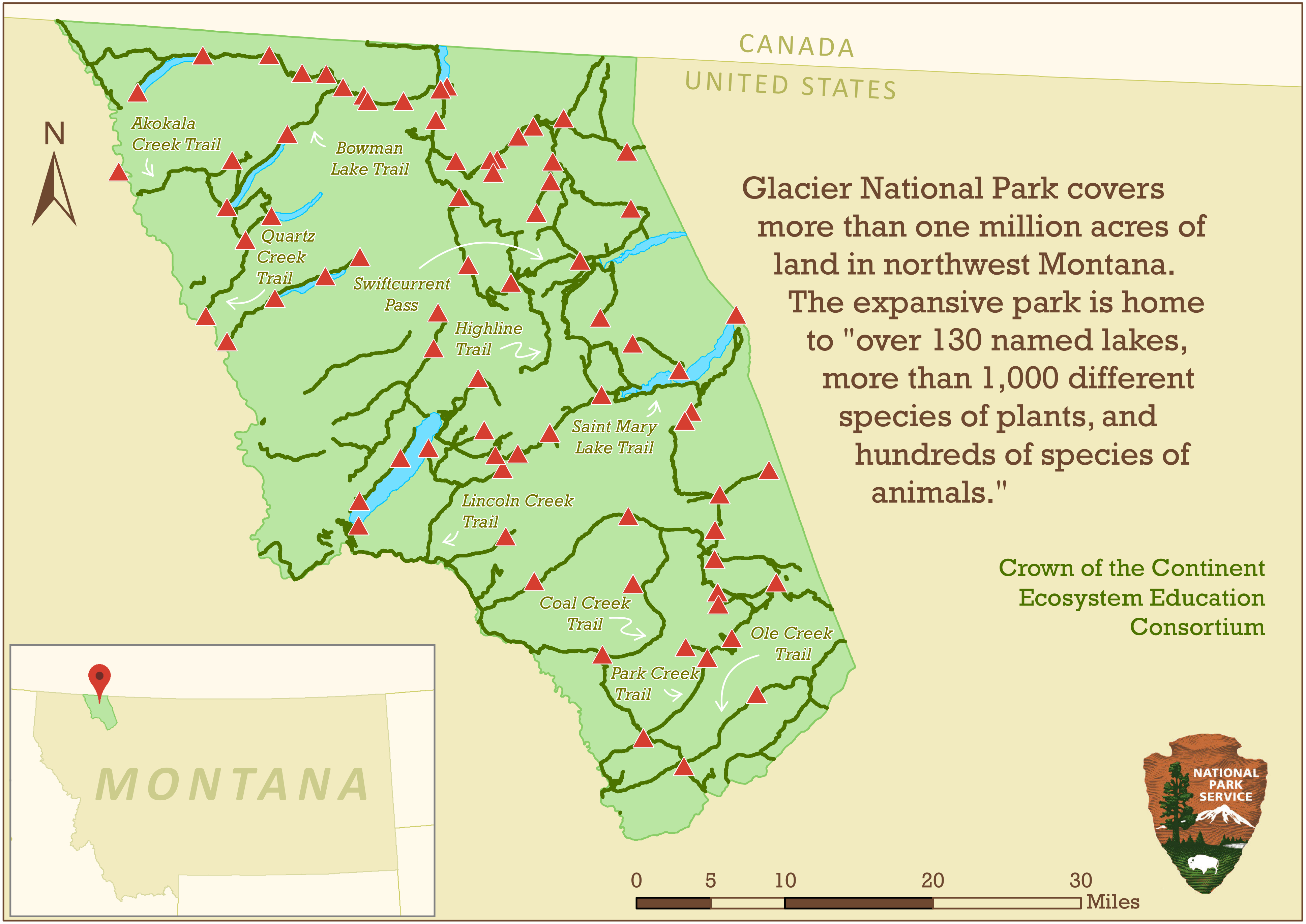
*Explore the wide range of hiking and camping that Zion has to offer! The opportunities are endless in ways to explore the stunning landscape.*


Middle Taylor Creek
Hop Valley
Connector
Wildcat Canyon
Northgate Peaks
Left Fork (Subway)
Right Fork
East Mesa
East Rim
Deertrap Mountain
Sand Bench
Dalton Wash
Coalpits Wash
Huber Wash
Chinle
Utah
0 0.5 1 2 3 4 Miles
N
E
S
W

🟩 Zion National Park
Visitor Center
Road
Hiking Trail
River
Campgrounds
Backcountry Campsite
Drinking Water
Restroom

Sources: NPS.gov, Utah.gov

# Glacier National Park


CANADA
UNITED STATES
N
Akokala Creek Trail
Bowman Lake Trail
Quartz Creek Trail
Swiftcurrent Pass
Highline Trail
Saint Mary Lake Trail
Lincoln Creek Trail
Coal Creek Trail
Park Creek Trail
Ole Creek Trail
MONTANA
0
5
10
20
30
Miles

Glacier National Park covers more than one million acres of land in northwest Montana. The expansive park is home to "over 130 named lakes, more than 1,000 different species of plants, and hundreds of species of animals."

Crown of the Continent Ecosystem Education Consortium

NATIONAL PARK SERVICE

▲ Campsites

— Trails

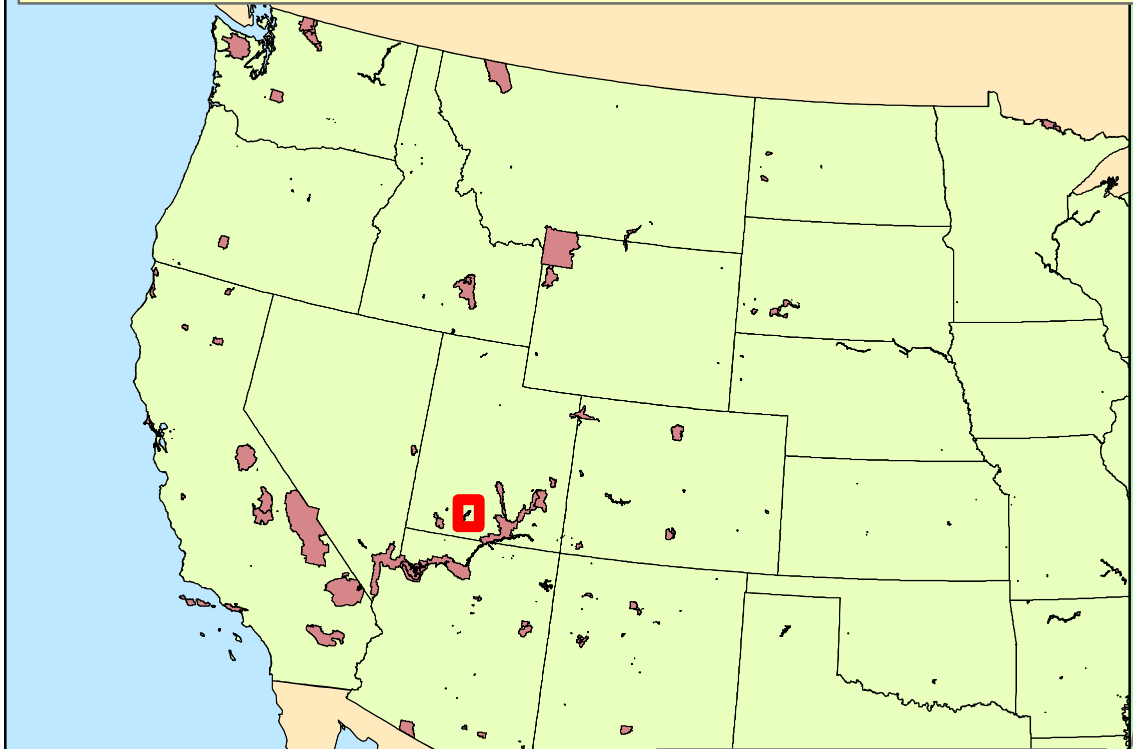
🟦 Lakes

🟩 Park Boundary

Data Sources: National Park Service OpenData, Census Bureau, U.S. Department of Agriculture

Map by Jennifer Goldberg

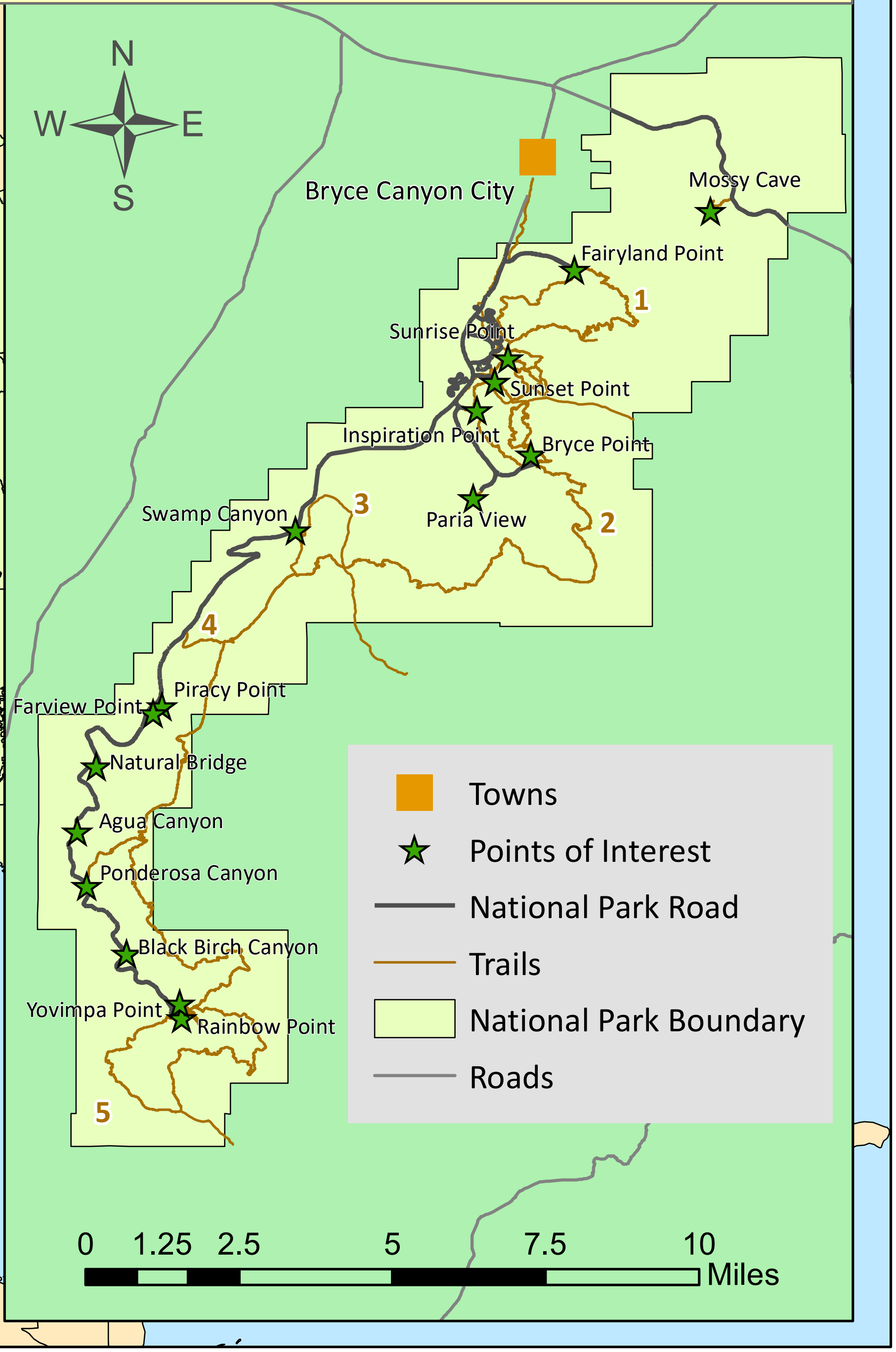
# The National Parks of the Western United States:
## Bryce Canyon National Park



🟥 National Park Boundaries

### Popular Day Hikes

1. Fairyland Loop Trail
2. Under-the-Rim Trail
3. Sheep Creek Connecting Trail
4. Whiteman Connecting Trail
5. Riggs Spring Loop Trail


N
W
E
S
Bryce Canyon City
Mossy Cave
Fairyland Point
1
Sunrise Point
Sunset Point
Inspiration Point
Bryce Point
Swamp Canyon
3
Paria View
2
4
Piracy Point
Farview Point
Natural Bridge
Agua Canyon
Ponderosa Canyon
Black Birch Canyon
Yovimpa Point
Rainbow Point
5
Towns
Points of Interest
National Park Road
Trails
National Park Boundary
Roads
0
1.25
2.5
5
7.5
10
Miles

Map by Katie Roberts, March 2020

Source: public-nps.opendata.arcgis.com, naturalearthdata.com, gis.utah.gov, census.gov

# Puget Sound

## Highway & Ferry Systems

Map By: Sara Benoit

Washington State

Transportation in around Western Washingon is unique because of the Puget Sound and various lakes in the area.

The highway system is made up of state and local highways, which are part of the national interstate system, but it also includes many scenic routes.

The ferry system in Washington State is extensive and highly efficient. There are 10 termials just in the Puget Sound area, and about 400 to 500 trips are made each day.

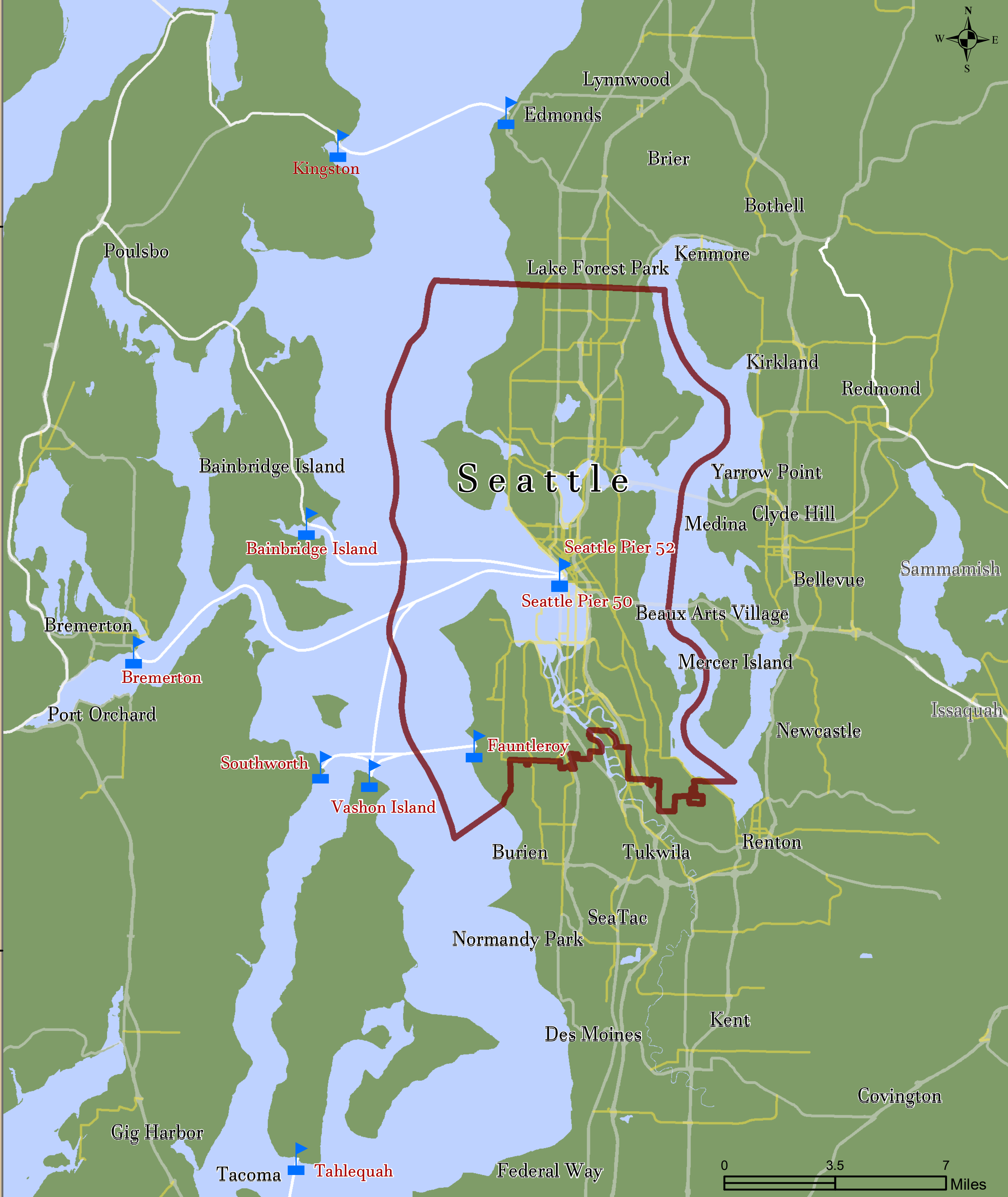
⚑ Ferry Terminal

— Local Highways

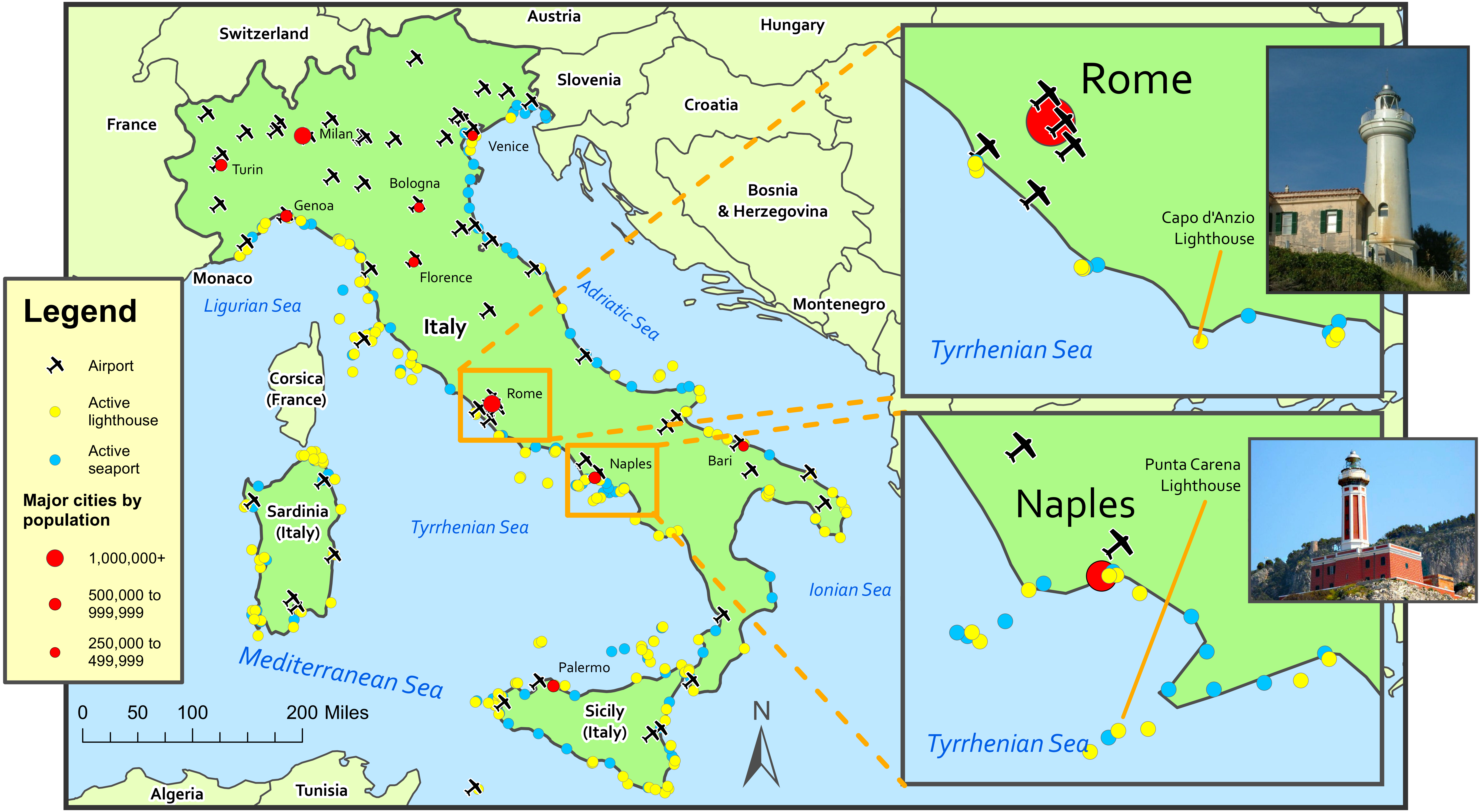
— State Highways

— Scenic Highways

Data: wsdot.wa.gov & geo.wa.gov


N
W
E
S
Lynnwood
Edmonds
Kingston
Brier
Bothell
Poulsbo
Kenmore
Lake Forest Park
Kirkland
Redmond
Seattle
Bainbridge Island
Yarrow Point
Clyde Hill
Medina
Bainbridge Island
Seattle Pier 52
Sammamish
Bellevue
Seattle Pier 50
Beaux Arts Village
Bremerton
Bremerton
Mercer Island
Issaquah
Port Orchard
Newcastle
Fauntleroy
Southworth
Vashon Island
Renton
Burien
Tukwila
SeaTac
Normandy Park
Kent
Des Moines
Covington
Gig Harbor
Tacoma
Tahlequah
Federal Way
0
3.5
7
Miles

# Italian Cities, Seaports, Airports, and Lighthouses


Switzerland
Austria
Hungary
Slovenia
Croatia
France
Bosnia
& Herzegovina
Monaco
Montenegro
Ligurian Sea
Adriatic Sea
Italy
Milan
Venice
Turin
Bologna
Genoa
Florence
Rome
Naples
Bari
Corsica
(France)
Sardinia
(Italy)
Tyrrhenian Sea
Ionian Sea
Mediterranean Sea
Palermo
Sicily
(Italy)
Algeria
Tunisia
N
0 50 100 200 Miles
Legend
Airport
Active lighthouse
Active seaport
Major cities by population
1,000,000+
500,000 to 999,999
250,000 to 499,999
Rome
Capo d'Anzio Lighthouse
Tyrrhenian Sea
Naples
Punta Carena Lighthouse
Tyrrhenian Sea

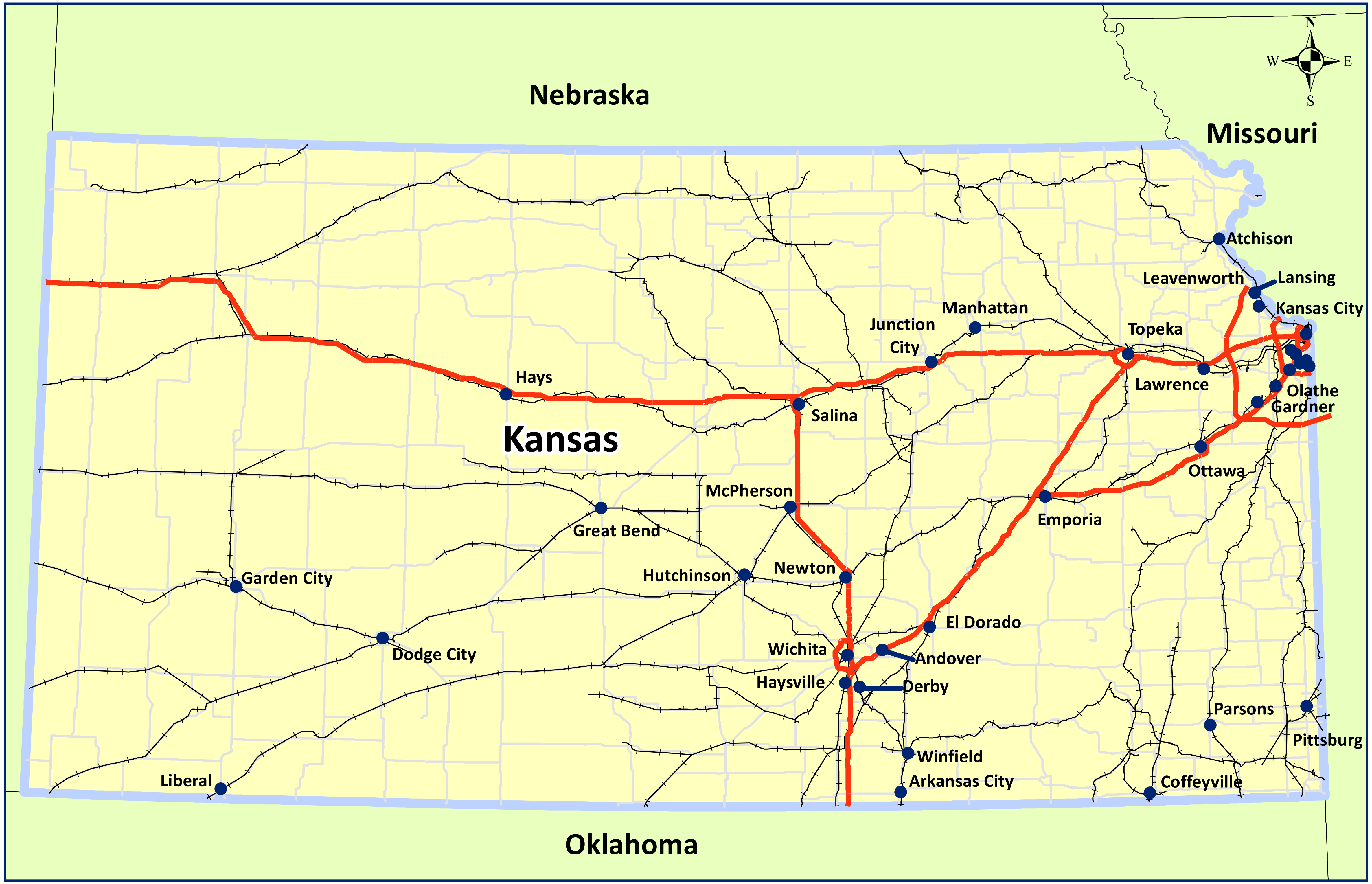
Map by Robert Brown (4/27/2020)

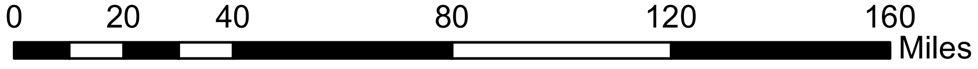
Seaports and airports found using GISCO geodata from 2013 (https://ec.europa.eu/eurostat/web/gisco/geodata/reference-data/transport-networks)

Lighthouses found using an EMODnet dataset pulled from an inventory performed by the Amateur Radio Lighthouse Society (ARLS) (https://www.emodnet-humanactivities.eu/search-results.php?dataname=Lighthouses)

Italian cities found using the World Cities dataset on ArcGIS Hub (https://hub.arcgis.com/datasets/6996f03a1b364dbab4008d99380370ed_0)

# Kansas Major Transportation Methods


N
W
E
S
Nebraska
Missouri
Kansas
Oklahoma
Atchison
Leavenworth
Lansing
Kansas City
Manhattan
Junction City
Topeka
Lawrence
Olathe
Gardner
Hays
Salina
Ottawa
McPherson
Emporia
Great Bend
Garden City
Hutchinson
Newton
El Dorado
Dodge City
Wichita
Andover
Haysville
Derby
Parsons
Pittsburg
Winfield
Arkansas City
Coffeyville
Liberal


0
20
40
80
120
160
Miles

● Cities — Interstate —+—+— Railroads — Expressway

*This map provides an overview of the state of Kansas and its major railways and highways.The map also shows major cities which are designated as cities with populations over approximately 10,000. As the map shows, largely populated cities are concentrated in the Northeastern part of the state.*

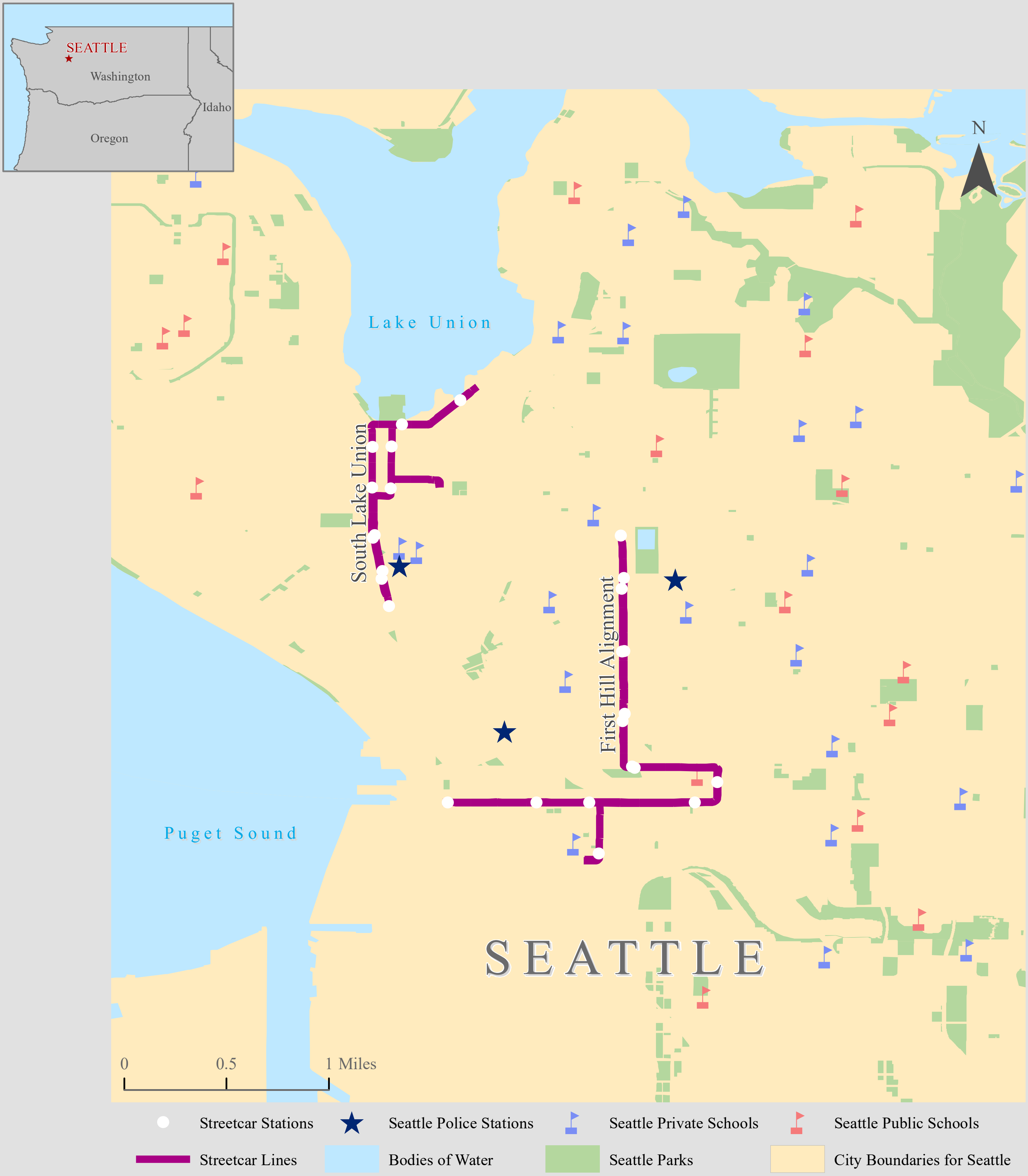
KANSAS

***Kansas Fast Facts:***
***Capitol: Topeka***
***Population: 2.912 M***
***St. Flower: Sunflower***
***St. Bird: W. Meadowlark***

*By: Kenneth Sidoryk*

*Sources: www.census.gov, www.kansasgis.org, www.earthworks.stanford.edu*

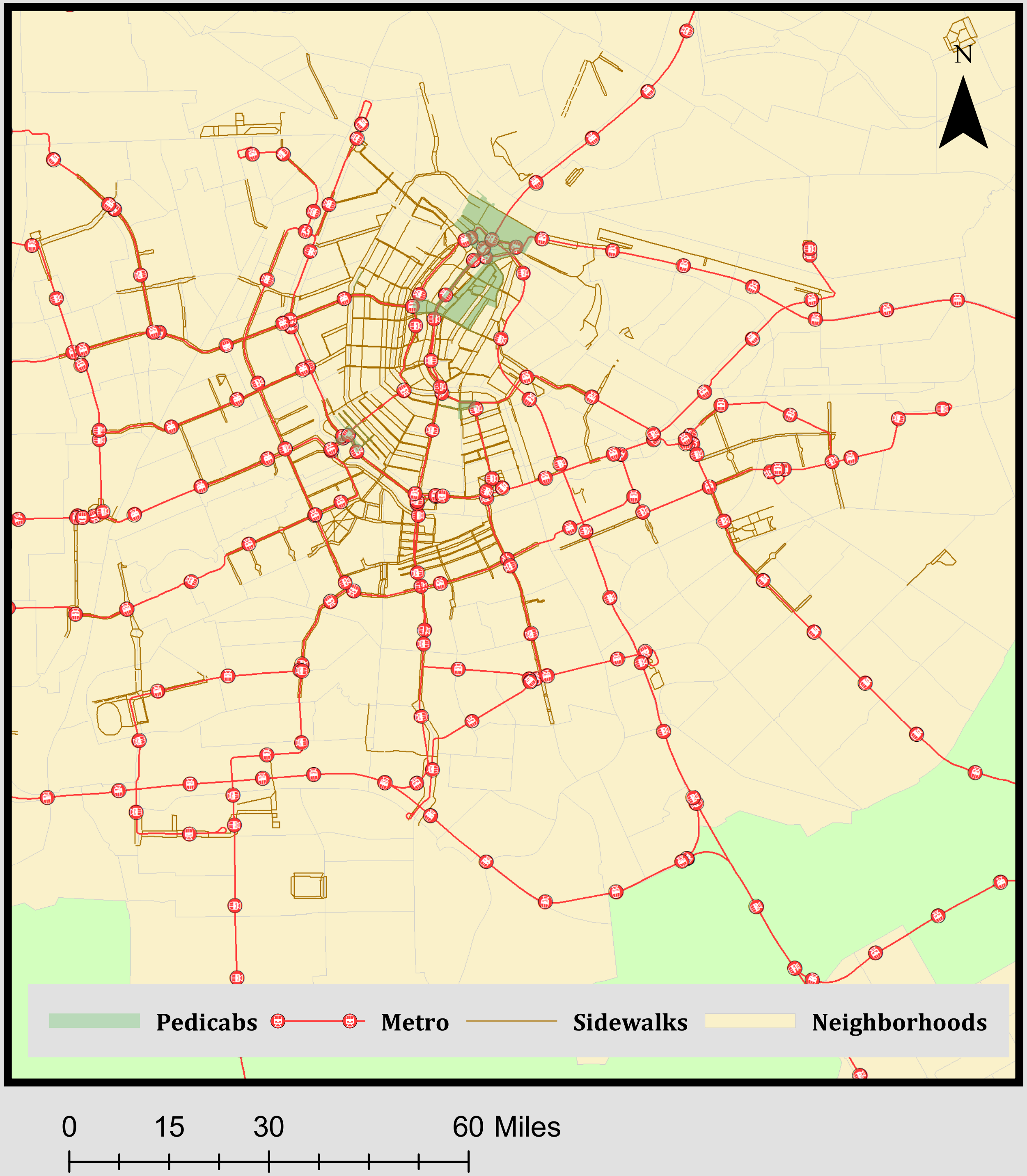
# Streetcar Lines in Seattle

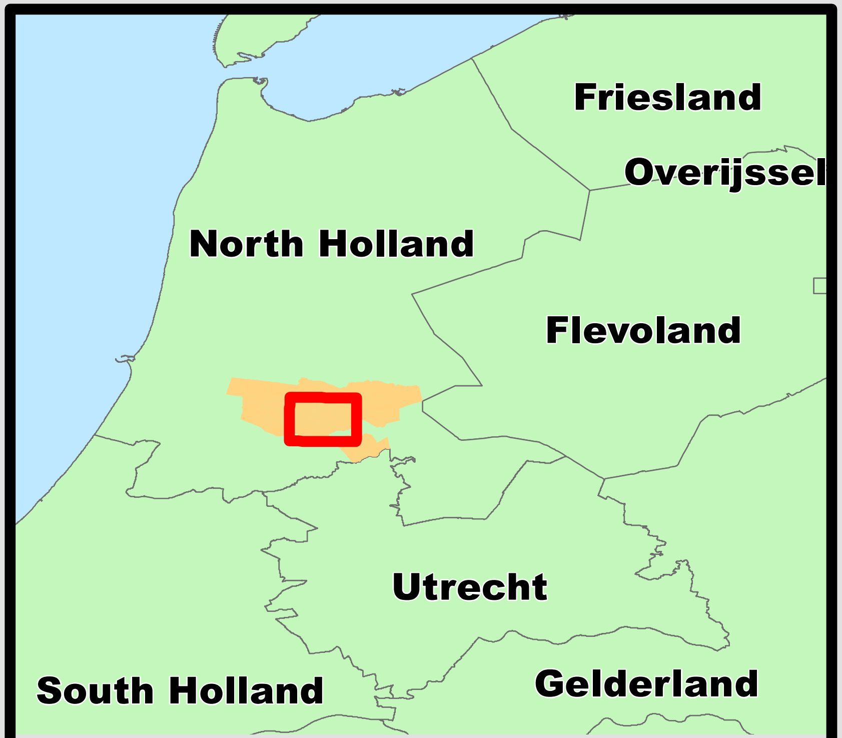

SEATTLE
Washington
Idaho
Oregon
N
Lake Union
Puget Sound
South Lake Union
First Hill Alignment
SEATTLE
0
0.5
1 Miles
Streetcar Stations
Seattle Police Stations
Seattle Private Schools
Seattle Public Schools
Streetcar Lines
Bodies of Water
Seattle Parks
City Boundaries for Seattle

In Seattle, there are two streetcar lines: The South Lake Union and The First Hill Alignment. South Lake Union opened the public in 2007 and ranges 1.3 miles while First Hill Alignment opened in 2016 and ranges 2.5 miles. Approximately 5000 residents use the streetcar per day which strives to lower pollution rates by encouraging use of public transit.

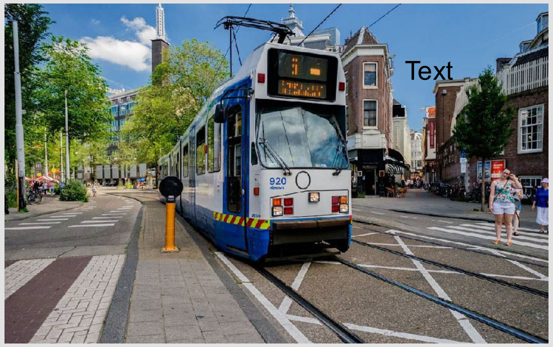
Map by Shruti Patel
Data Sources:
Seattle GeoData
Data.Gov

# Amsterdam Rail, Walkways and Pedi Cab


N
🟩 Pedicabs
Metro
Sidewalks
Neighborhoods
0
15
30
60 Miles

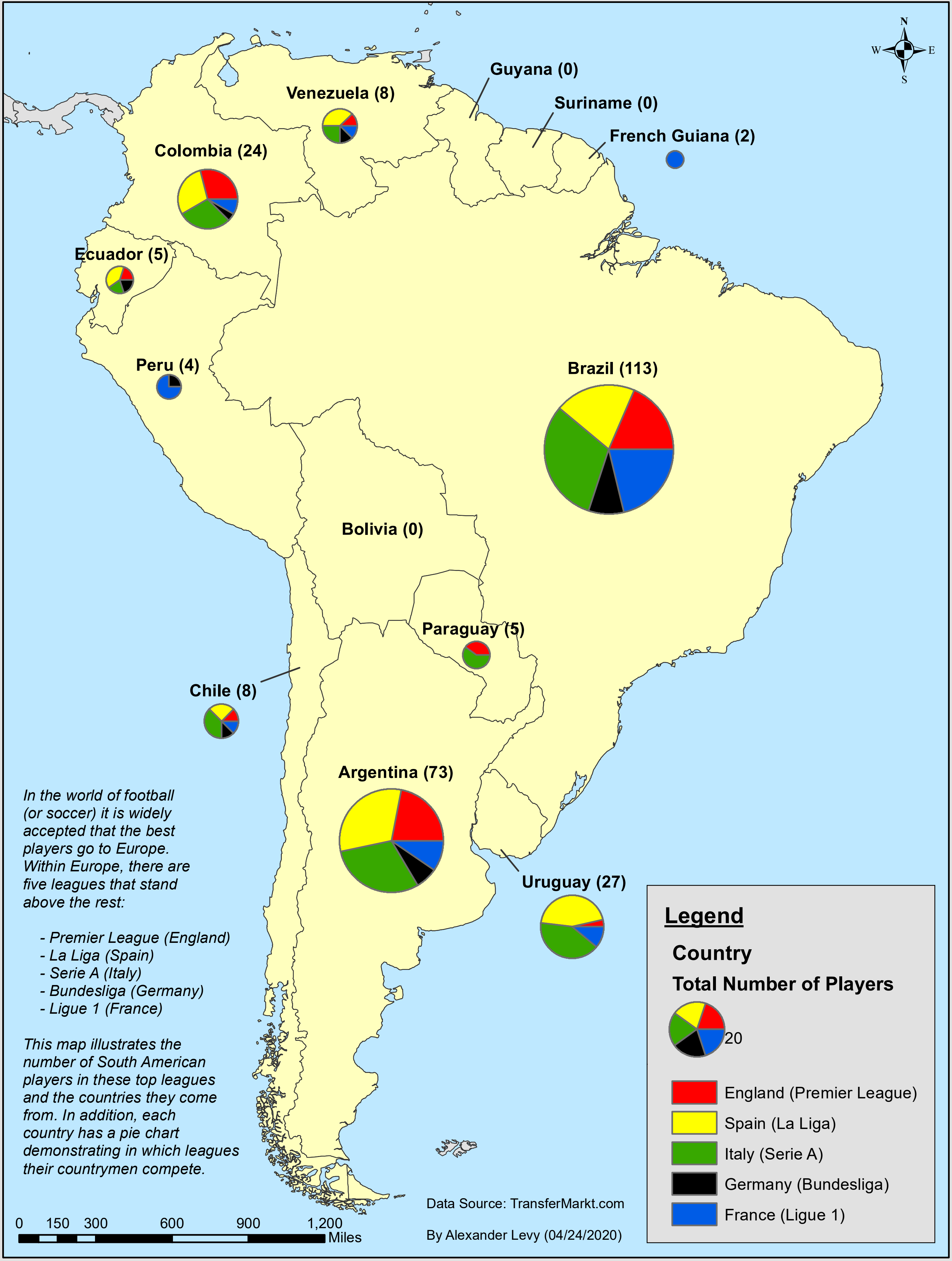

Friesland
Overijssel
North Holland
Flevoland
Utrecht
South Holland
Gelderland

As of 2019, there are 15 tram routes.
The network comprises a total of 50.0 mi of route,
and 200 kilometres (120 mi) of track.



Source: AmsterdamMaps

# *South American Footballers in European Leagues*


N
W
E
S
Guyana (0)
Venezuela (8)
Suriname (0)
French Guiana (2)
Colombia (24)
Ecuador (5)
Peru (4)
Brazil (113)
Bolivia (0)
Paraguay (5)
Chile (8)
Argentina (73)
Uruguay (27)
0 150 300 600 900 1,200
Miles
Legend
Country
Total Number of Players
20
🟥 England (Premier League)
🟨 Spain (La Liga)
🟩 Italy (Serie A)
⬛ Germany (Bundesliga)
🟦 France (Ligue 1)

*In the world of football (or soccer) it is widely accepted that the best players go to Europe. Within Europe, there are five leagues that stand above the rest:*

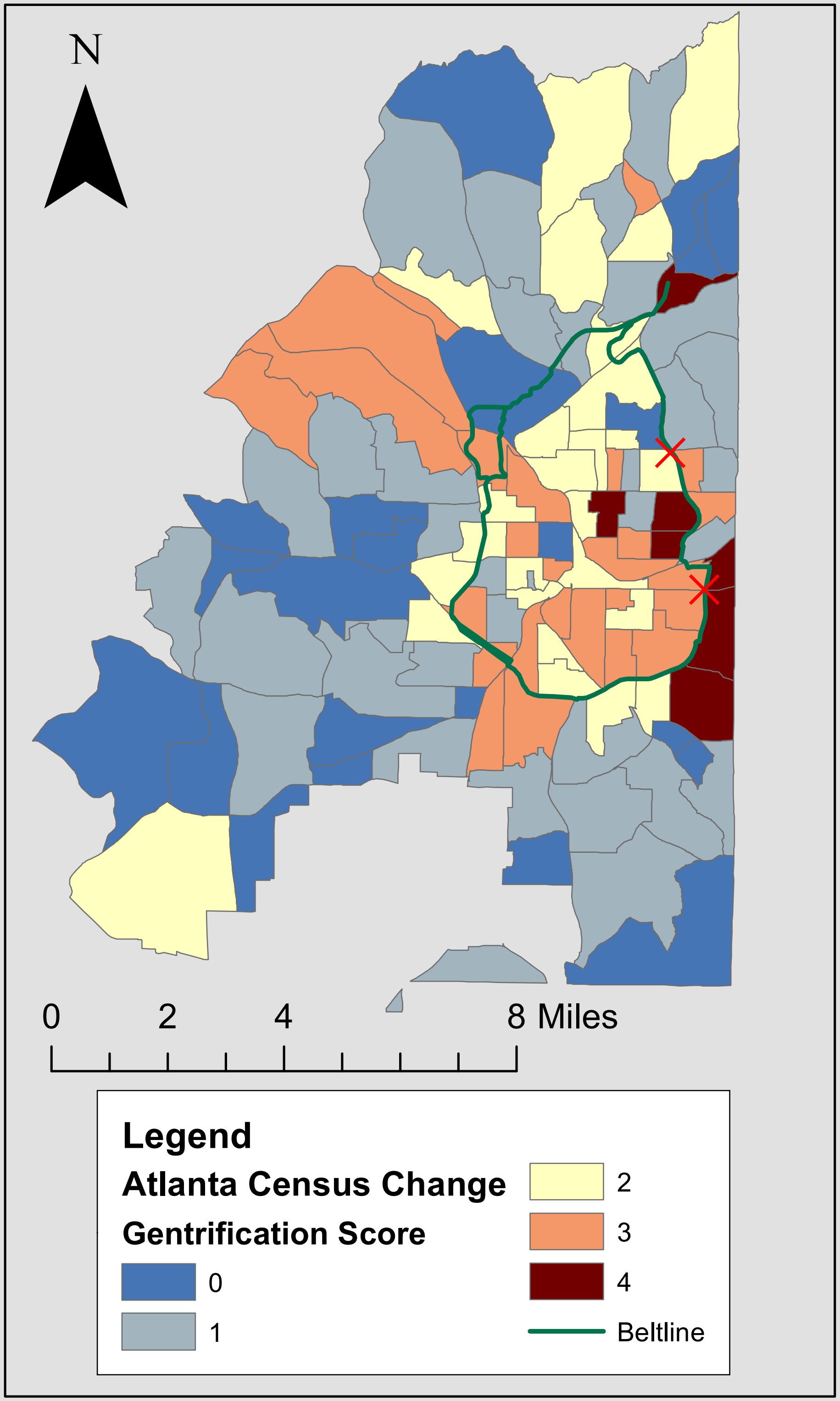
- *Premier League (England)*
- *La Liga (Spain)*
- *Serie A (Italy)*
- *Bundesliga (Germany)*
- *Ligue 1 (France)*

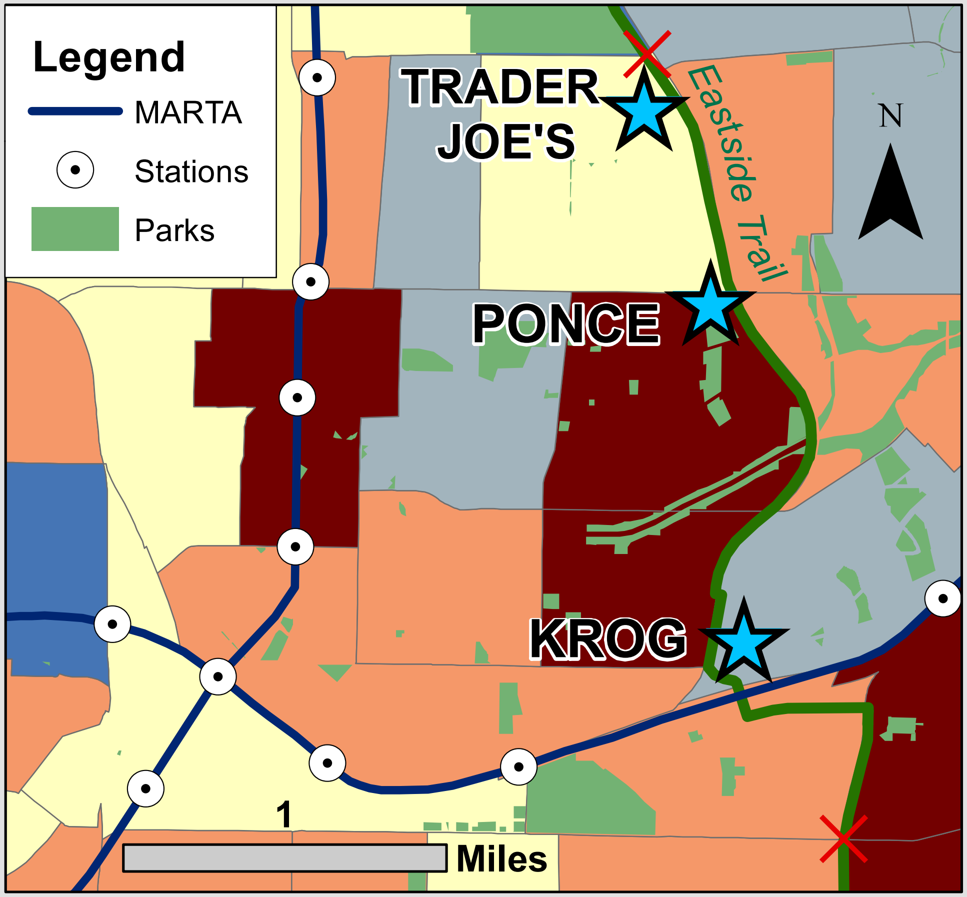
*This map illustrates the number of South American players in these top leagues and the countries they come from. In addition, each country has a pie chart demonstrating in which leagues their countrymen compete.*

Data Source: TransferMarkt.com

By Alexander Levy (04/24/2020)

# Gentrification Score by Census Tract Atlanta and Eastside Trail, 2000-2018


N
0
2
4
8 Miles
Legend
Atlanta Census Change
Gentrification Score
0
1
2
3
4
Beltline


Legend
MARTA
Stations
Parks
TRADER JOE'S
Eastside Trail
N
PONCE
KROG
1
Miles

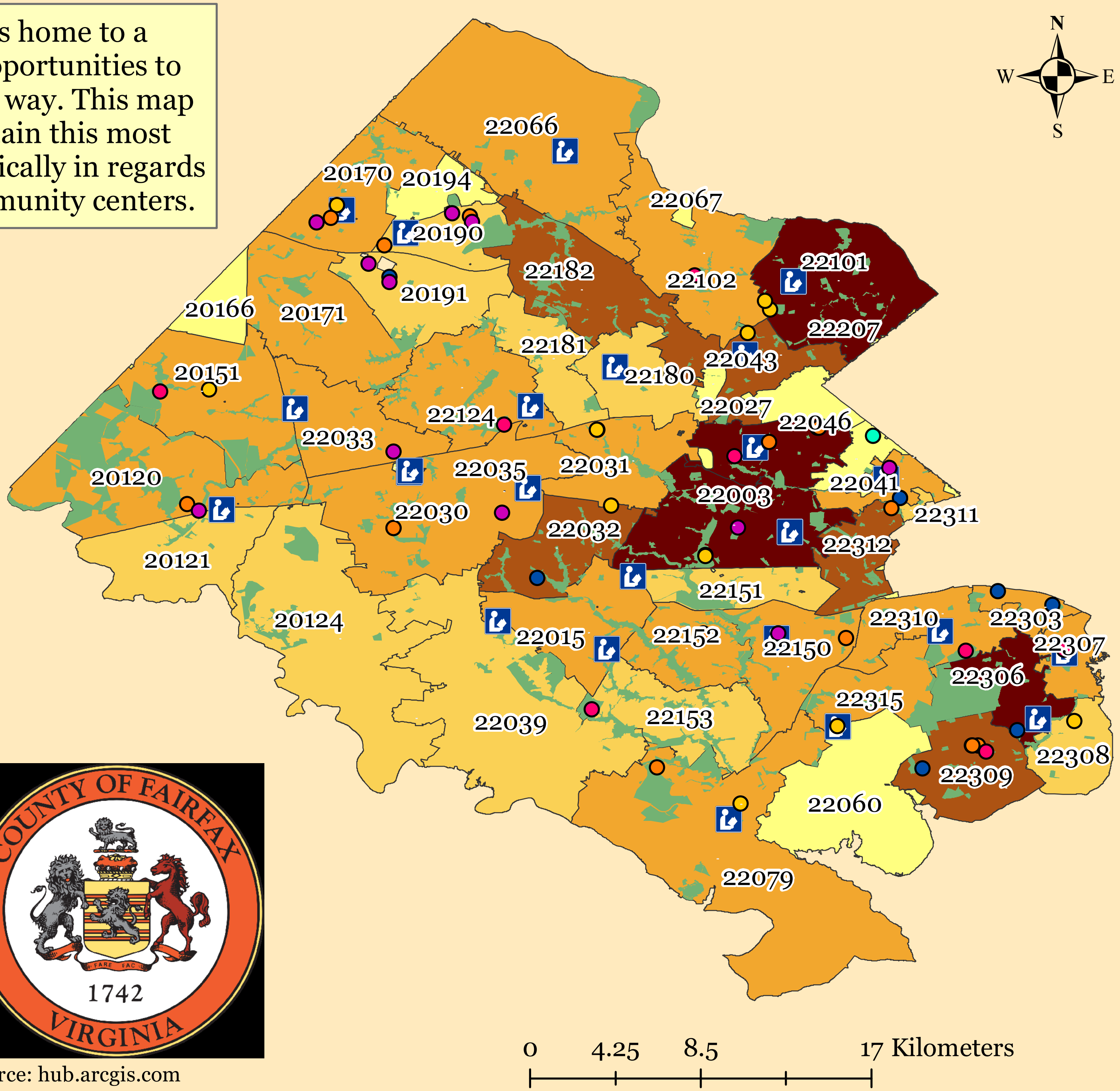
| Attribute | | Compared to ATL | | Score | |
|---|---|---|---|---|---|
| Median Annual Income | Percent College Educated | > AVG | | 1 | 1 |
| Percent 18-34 | | > AVG | | 1 | |
| Percent Ages 35-50 | Percent Ages 51-65 | < AVG | | 1 | 1 |
| Percent White | | > AVG | | 1 | |
| Percent African American | Percent Hispanic | < AVG | < AVG | 1 | 1 |

***Source: Atlanta Regional Commission Open Data***

*Map by Adam Devlin*

# Activities in Fairfax by Zipcode

Fairfax County, Virginia is home to a lively environment full of opportunities to enjoy one's time in their own way. This map shows which zip codes contain this most activities for one to do, specifically in regards to libraries, parks, and community centers.



N
W
E
S
22066
20170
20194
22067
20190
22182
22102
22101
20191
20166
20171
22207
22181
22043
22180
20151
22027
22124
22046
22033
22035
22031
20120
22041
22003
22030
22311
22032
22312
20121
22151
20124
22310
22303
22152
22015
22150
22307
22306
22315
22039
22153
22308
22309
22060
22079
0
4.25
8.5
17 Kilometers

## Legend

### Community Centers

● <all other values>

### TYPE

● Community Center

● Multicultural Center

● Neighborhood Center

● Recreational Center

● Senior Center

● Teen Center

Libraries

🟩 County Parks

### Zip Code Areas

### Activities

🟨 0 - 2

🟨 3 - 8

🟧 9 - 14

🟫 15 - 19

🟥 20 - 33

COUNTY OF FAIRFAX
1742
VIRGINIA

Source: hub.arcgis.com

Map by Genevieve Onyiuke-Kennedy

April 29, 2020

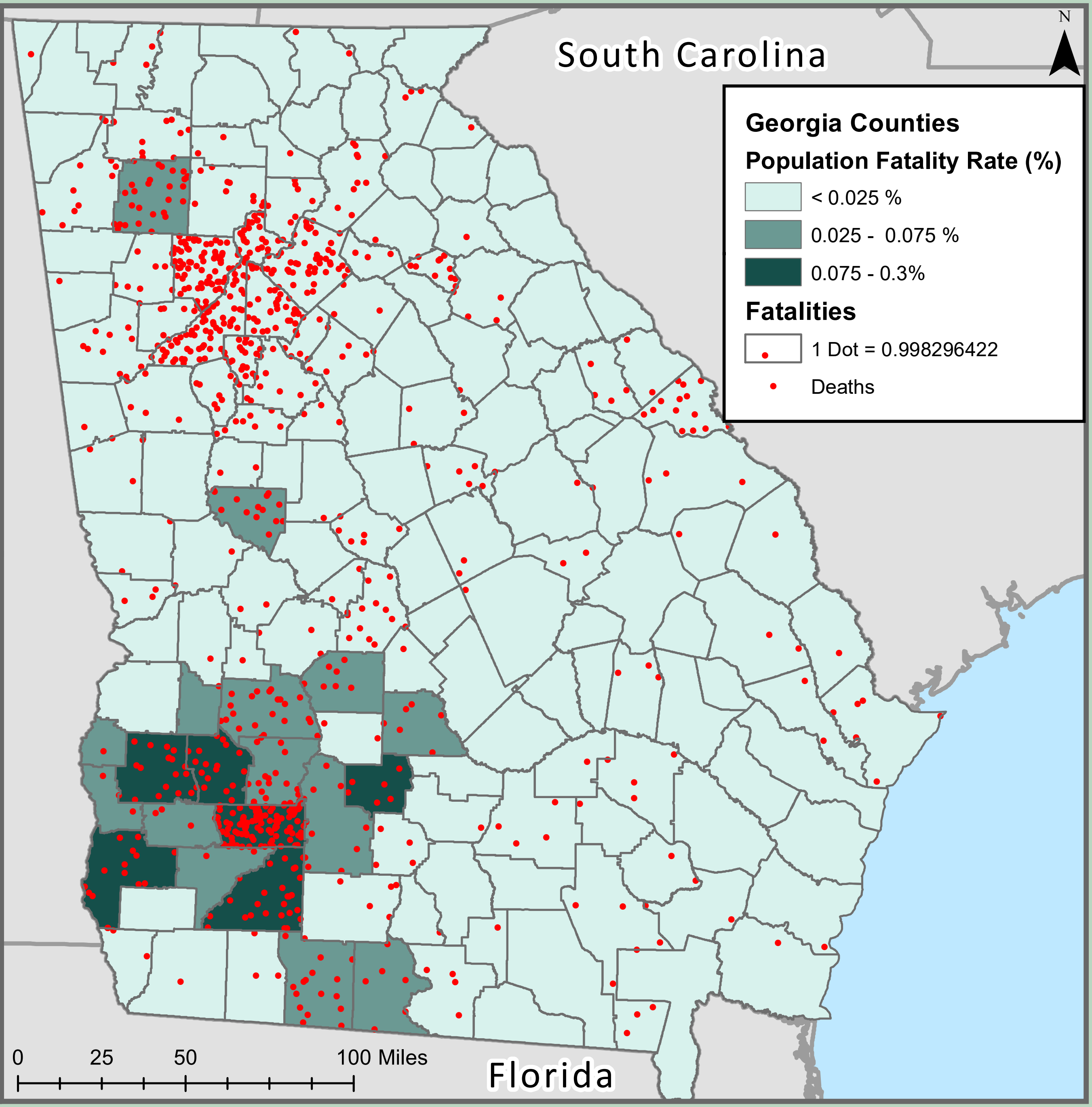
# COVID-19 Fatalities in Georgia

*COVID-19 is an infectious disease which has caused a global pandemic in 2020. So far, the disease has claimed 211,000 lives across the world, and many cases/deaths are still being reported. Major US news outlets often focus on the number of cases and deaths per state, which may not show the entire story.*

*The objective of this map is to use a more informative approach to visualizing COVID-19 deaths. In this map, fatalities in Georgia are represented in dots and are distributed on a county level. In addition, the deaths per county is compared to the county population to determine the overall rate of death.*

*Statistics on COVID-19 deaths in Georgia are listed below.*

| *Top 10 Counties by number of deaths* | *Top 10 Counties by fatality rate (%)* |
|---|---|
| *1. Dougherty (108)* | *1. Randolph (0.28%)* |
| *2. Fulton (94)* | *2. Terell (0.20%)* |
| *3. Cobb (75)* | *3. Early (0.15%)* |
| *4. Gwinnet (47)* | *4. Dougherty (0.12%)* |
| *5. Dekalb (36)* | *5. Mitchell (0.12%)* |
| *6. Bartow (28)* | *6. Turner (0.08%)* |
| *7. Mitchell (26)* | *7. Sumter (0.08%)* |
| *8. Clayton (21)* | *8. Clay (0.07%)* |
| *9. Sumter (21)* | *9. Wilcox (0.07%)* |
| *10. Randolph (19)* | *10. Baker (0.07%)* |


South Carolina
N
Georgia Counties
Population Fatality Rate (%)
< 0.025 %
0.025 - 0.075 %
0.075 - 0.3%
Fatalities
1 Dot = 0.998296422
Deaths
0
25
50
100 Miles
Florida

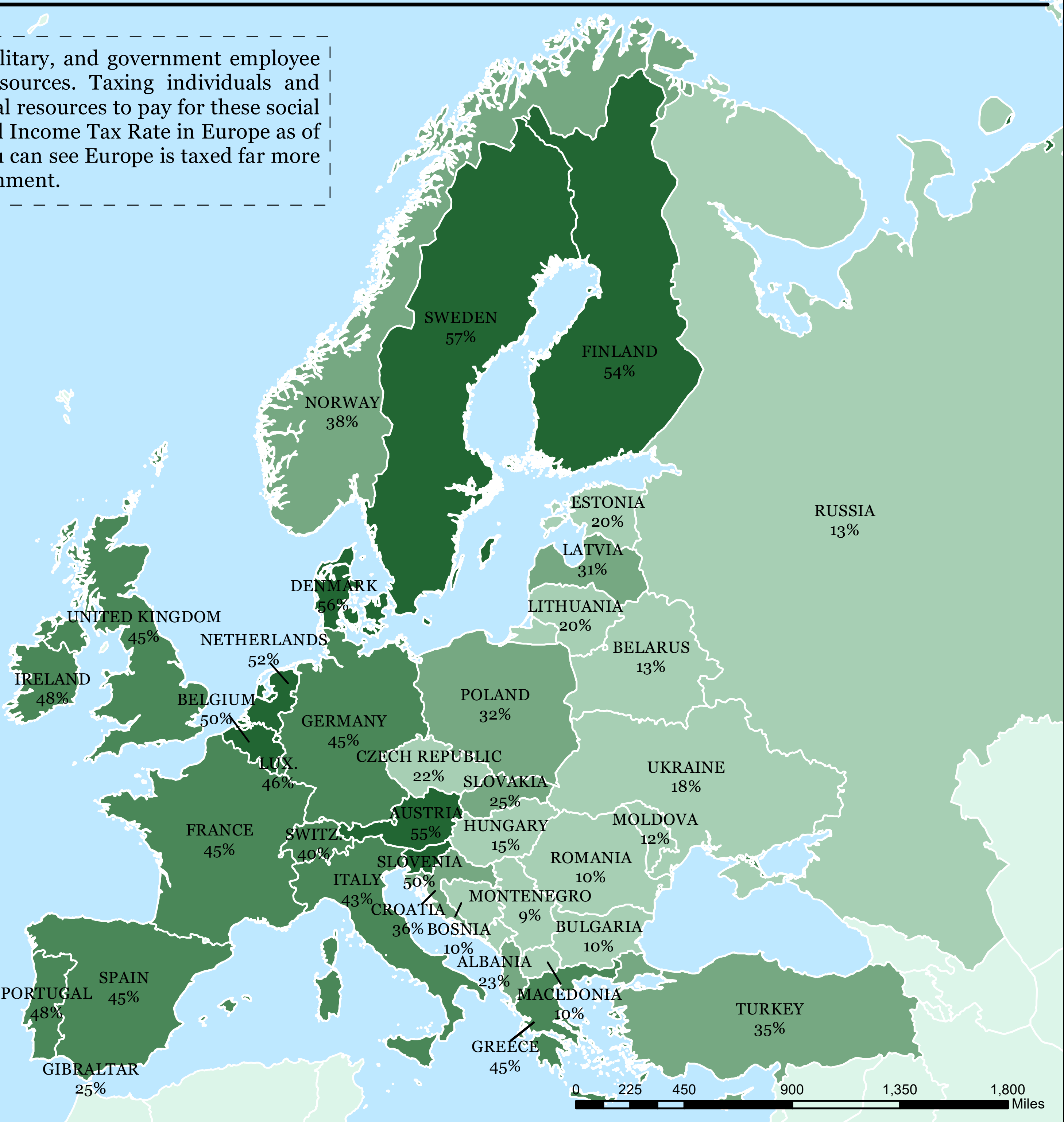
April 2020

Data Sources: https://catalog.data.gov/dataset/tiger-line-shapefile-2017-nation-u-s-current-county-and-equivalent-national-shapefile
https://usafacts.org/visualizations/coronavirus-covid-19-spread-map/ https://www.weather.gov/gis/USStates

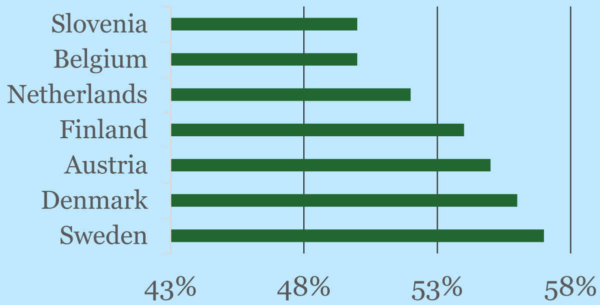
Map by Alan Bo Zhang

# Paying a Higher Price - Personal Income Tax in Europe 2019

Maintaining schools, roads, hospitals, the military, and government employee wages and pensions eats up substantial resources. Taxing individuals and companies is the only way to raise the financial resources to pay for these social and civic needs. This map depicts the Personal Income Tax Rate in Europe as of 2019. As a baseline, the US rate is 37%. As you can see Europe is taxed far more but does recieve more benefits from the government.


N
ICELAND 46%
NORWAY 38%
SWEDEN 57%
FINLAND 54%
RUSSIA 13%
ESTONIA 20%
LATVIA 31%
LITHUANIA 20%
DENMARK 56%
UNITED KINGDOM 45%
IRELAND 48%
NETHERLANDS 52%
BELGIUM 50%
LUX. 46%
GERMANY 45%
POLAND 32%
BELARUS 13%
CZECH REPUBLIC 22%
SLOVAKIA 25%
UKRAINE 18%
AUSTRIA 55%
HUNGARY 15%
MOLDOVA 12%
FRANCE 45%
SWITZ. 40%
SLOVENIA 50%
ROMANIA 10%
ITALY 43%
CROATIA 36%
BOSNIA 10%
MONTENEGRO 9%
BULGARIA 10%
ALBANIA 23%
MACEDONIA 10%
GREECE 45%
TURKEY 35%
SPAIN 45%
PORTUGAL 48%
GIBRALTAR 25%
0 225 450 900 1,350 1,800 Miles

Highest Taxed Countries



## Legend

**Personal Income Tax Percentage**

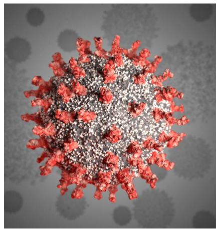
**By Country**

- 🟩 0%
- 🟩 1% - 22%
- 🟩 23% - 38%
- 🟩 39% - 48%
- 🟩 49% - 57%

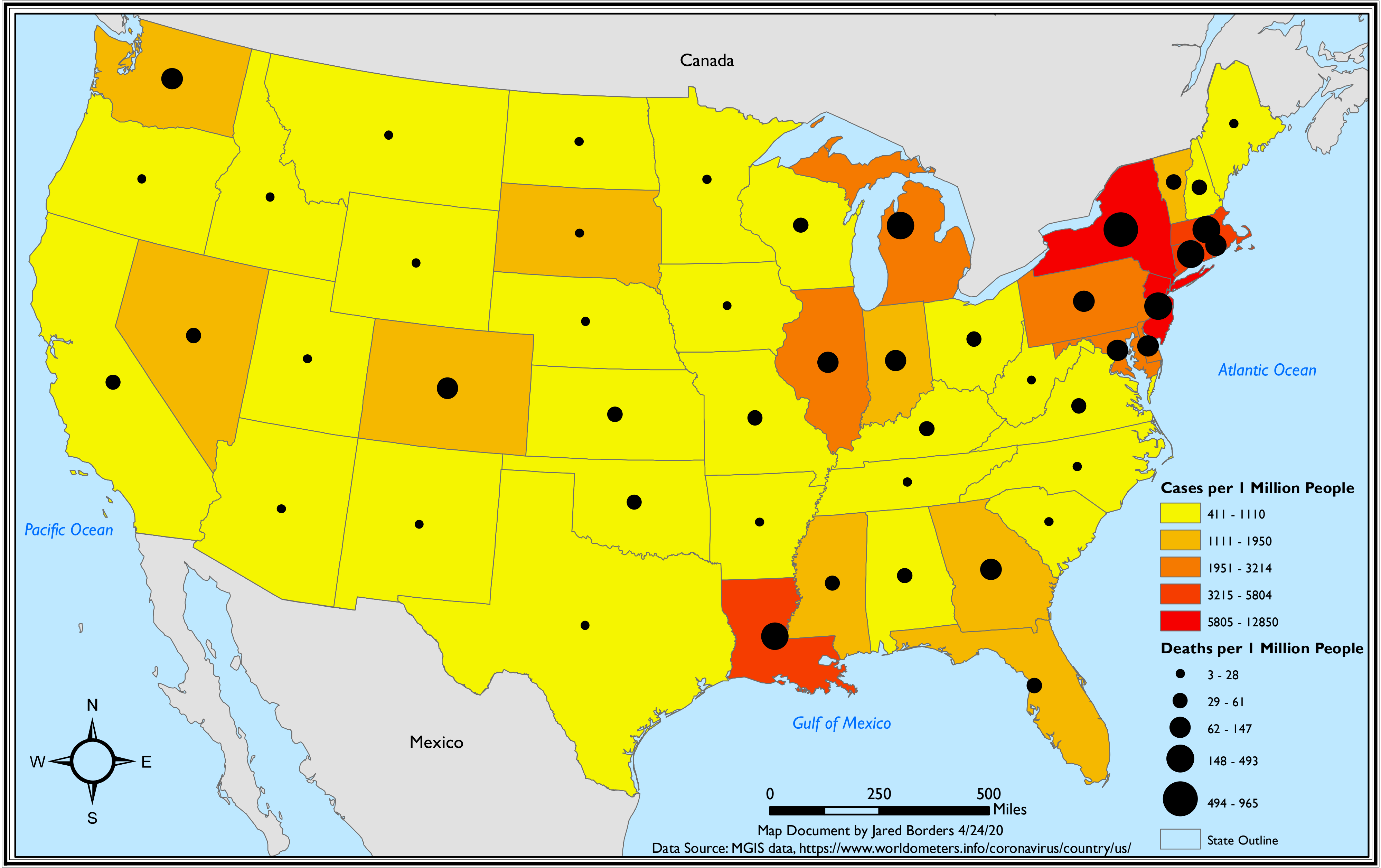
Data was gathered from a variety of sources: Nomenclature of Territorial Units for Statistics, ec.europa.eu, and theglobaleconomy.com.

Map By: Conrad McEvoy

# CORONAVIRUS IN THE UNITED STATES



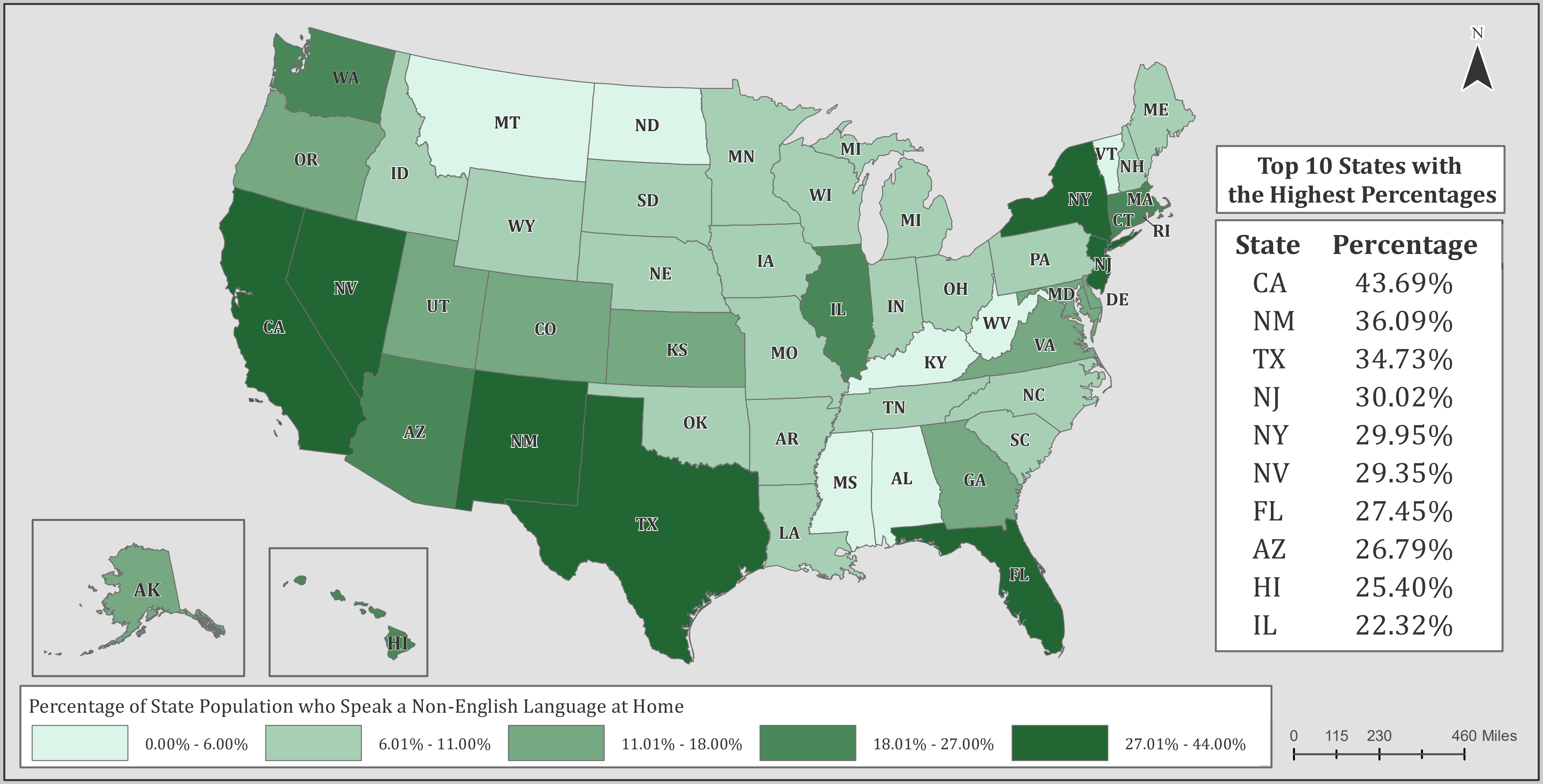
"CDC is responding to a pandemic of respiratory disease spreading from person to person caused by a novel (new) coronavirus. Early on, many of the patients at the epicenter of the outbreak in Wuhan, Hubei Province, China had some link to a large seafood and live animal market, suggesting animal-to-person spread. Later, a growing number of patients reportedly did not have exposure to animal markets, indicating person-to-person spread. Person-to-person spread was subsequently reported outside Hubei and in countries outside China, including in the United States. Most international destinations now have ongoing community spread with the virus that causes COVID-19, as does the United States. Community spread means some people have been infected and it is not known how or where they became exposed." - Source: cdc.gov


Canada
Pacific Ocean
Atlantic Ocean
Gulf of Mexico
Mexico
N
W
E
S
Cases per 1 Million People
411 - 1110
1111 - 1950
1951 - 3214
3215 - 5804
5805 - 12850
Deaths per 1 Million People
3 - 28
29 - 61
62 - 147
148 - 493
494 - 965
State Outline
0
250
500
Miles

Map Document by Jared Borders 4/24/20

Data Source: MGIS data, https://www.worldometers.info/coronavirus/country/us/

# Percentage of State Populations who Speak a Non-English Language at Home


N
WA
OR
CA
NV
ID
MT
WY
UT
AZ
NM
CO
ND
SD
NE
KS
OK
TX
MN
IA
MO
AR
LA
WI
IL
MI
MI
IN
OH
KY
TN
MS
AL
GA
FL
SC
NC
VA
WV
PA
NY
VT
NH
ME
MA
CT
RI
NJ
DE
MD
AK
HI
Percentage of State Population who Speak a Non-English Language at Home
0.00% - 6.00%
6.01% - 11.00%
11.01% - 18.00%
18.01% - 27.00%
27.01% - 44.00%
0
115
230
460 Miles

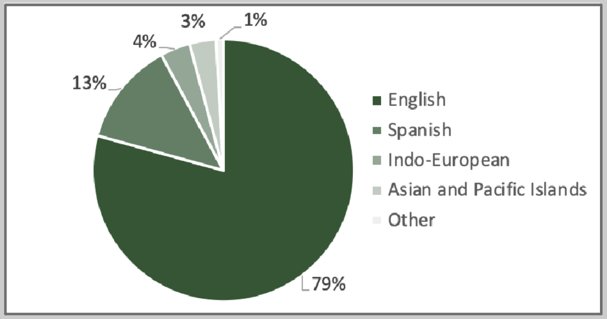
**Top 10 States with the Highest Percentages**

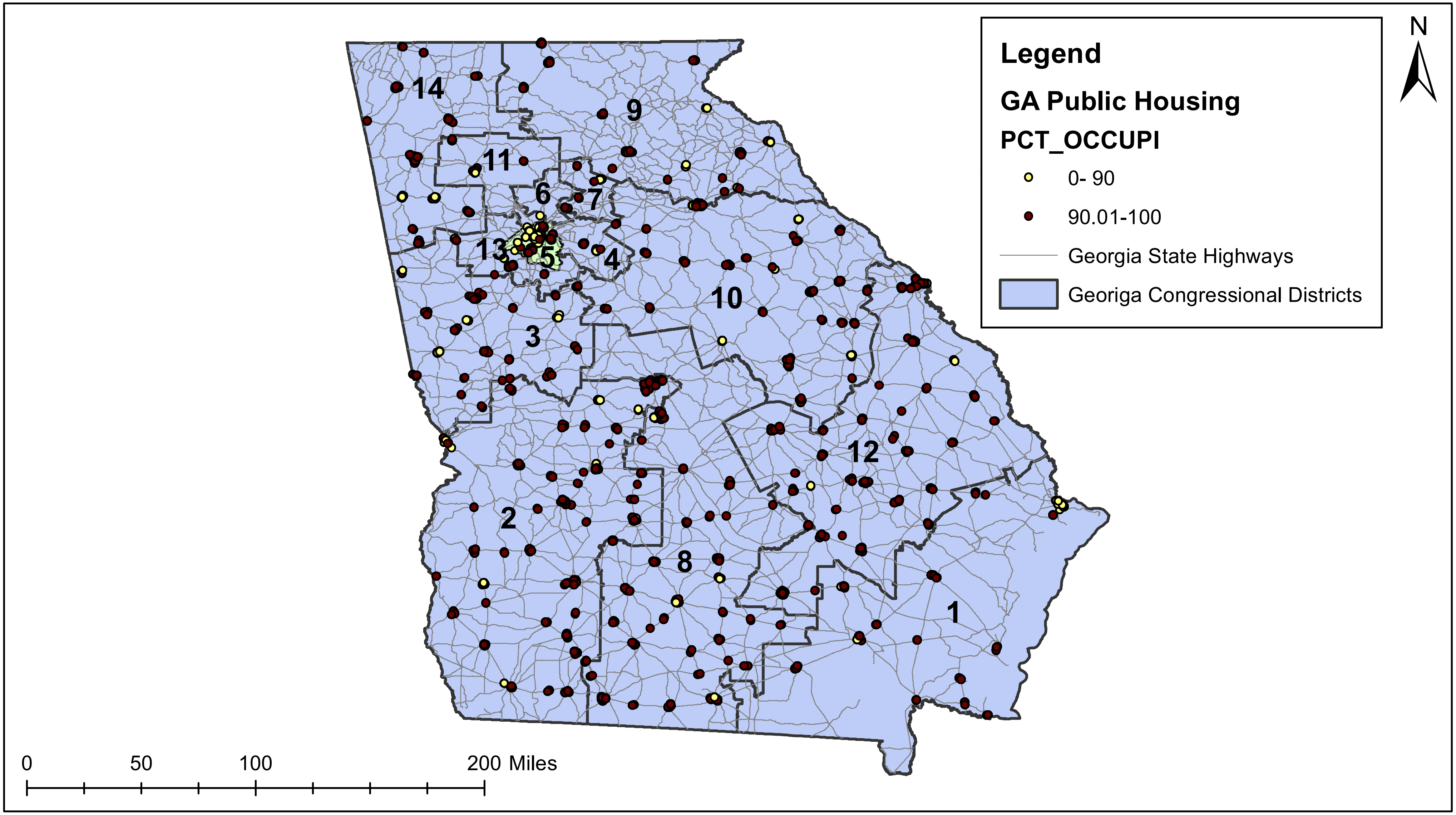
| State | Percentage |
|---|---|
| CA | 43.69% |
| NM | 36.09% |
| TX | 34.73% |
| NJ | 30.02% |
| NY | 29.95% |
| NV | 29.35% |
| FL | 27.45% |
| AZ | 26.79% |
| HI | 25.40% |
| IL | 22.32% |

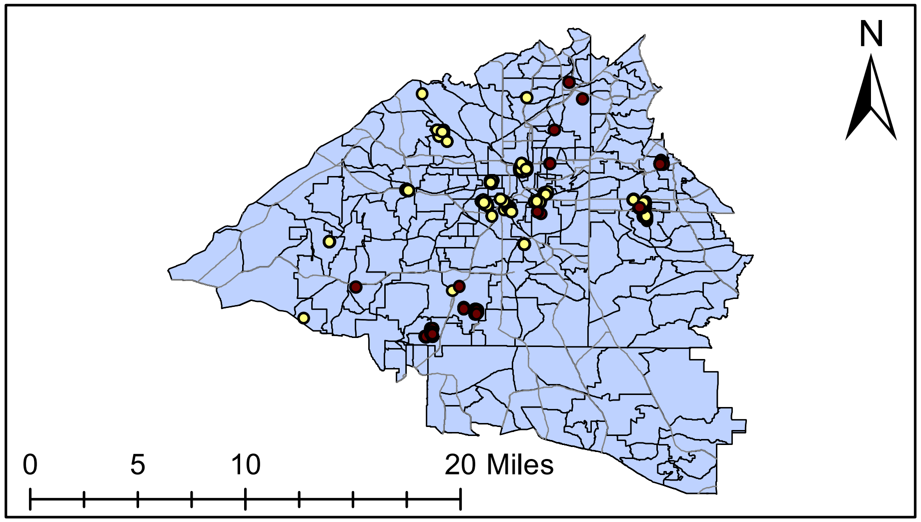
The United States truly is a melting pot of different cultures and people groups which is one of the reasons our country has not declared English to be the national language. Across the United States, an average of over 20% of people speak primarily a language other than English at home. The most common language, apart from English, being spoken at home is Spanish, which makes sense based on our proximity to Mexico.

Data Sourced from: U.S. Census Bureau
Map Created by Erin Abbott for CP 4510 Spring 2020

**U.S. Breakdown of Language Groups Spoken at Home**




Legend
GA Public Housing
PCT_OCCUPI
● 0- 90
● 90.01-100
Georgia State Highways
Georiga Congressional Districts
N
14
9
11
6
7
13
5
4
10
3
12
2
8
1
0
50
100
200 Miles


N
0
5
10
20 Miles

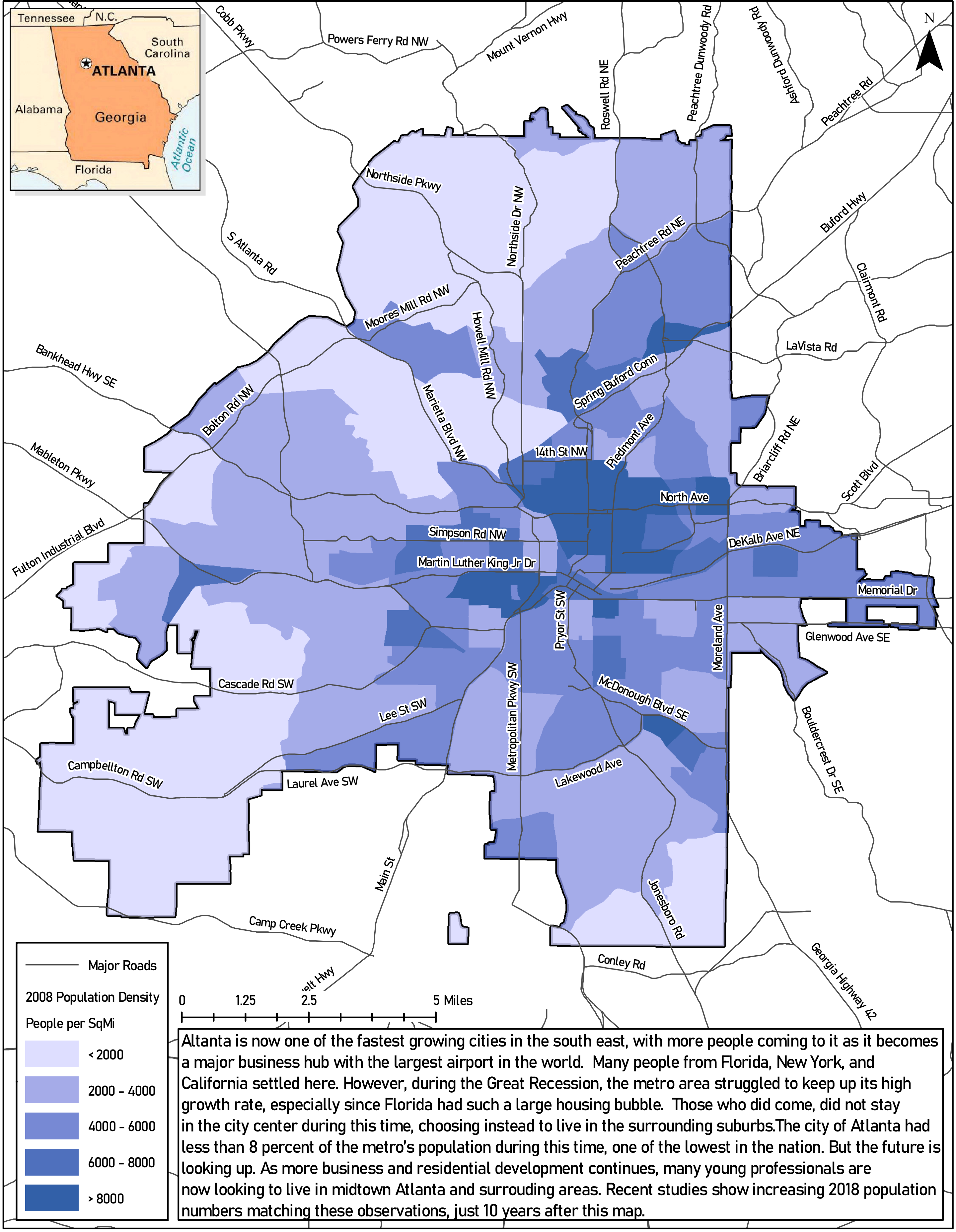
# Georgia Public Housing by Congressional District

Overcrowding of public housing is a growing problem in the United States of America and is one of the problems that Georiga congressman John Lewis fights for every day. He is the congressman from the 5th Congressional District of Georgia. This map shows the 14 Georigan Congressional Districts with their respective public housing facilities. Red facilities are those that are over 90% occupied. Yellow are those under 90% occupied. The inset map shows our district, 5, and the voting precincts within that district.

Map by: Ethan Scott 4/26/2020

Data sets sourced from the US Census Bureau (Congressional Districts), United States Department of Housing (Public Housing Facilities), Harvard Data Archive (voting Precincts) and Atlanta Regional Commision (Highways)

# Atlanta's Population Density in 2008

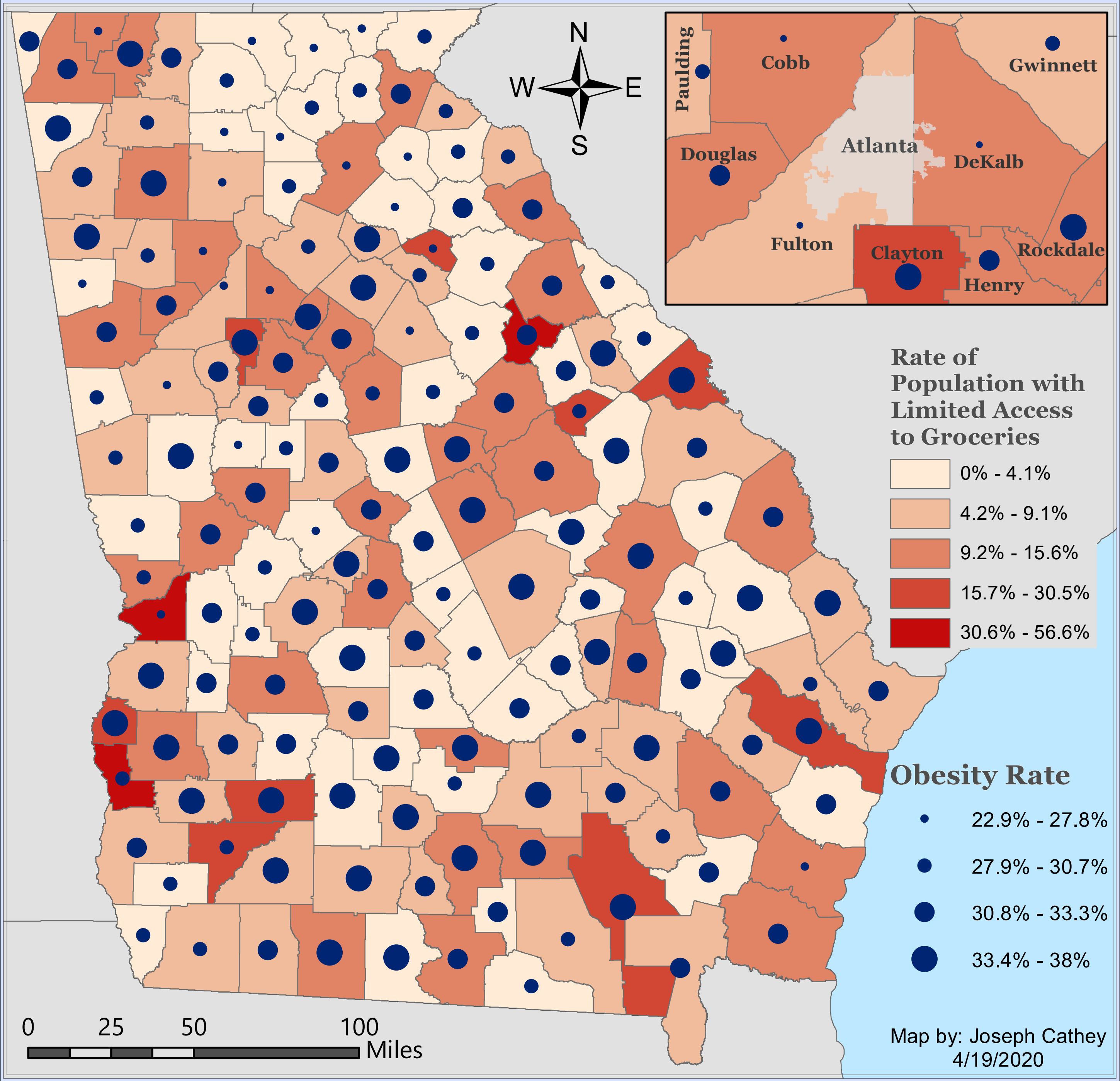

Tennessee
N.C.
South Carolina
ATLANTA
Alabama
Georgia
Atlantic Ocean
Florida
N
Cobb Pkwy
Powers Ferry Rd NW
Mount Vernon Hwy
Roswell Rd NE
Peachtree Dunwoody Rd
Ashford Dunwoody Rd
Peachtree Rd
Northside Pkwy
Northside Dr NW
S Atlanta Rd
Peachtree Rd NE
Buford Hwy
Clairmont Rd
Moores Mill Rd NW
Howell Mill Rd NW
LaVista Rd
Bankhead Hwy SE
Marietta Blvd NW
Spring Buford Conn
Bolton Rd NW
Piedmont Ave
Briarcliff Rd NE
Mableton Pkwy
14th St NW
Scott Blvd
North Ave
Fulton Industrial Blvd
Simpson Rd NW
DeKalb Ave NE
Martin Luther King Jr Dr
Memorial Dr
Pryor St SW
Moreland Ave
Glenwood Ave SE
Cascade Rd SW
Metropolitan Pkwy SW
McDonough Blvd SE
Lee St SW
Bouldercrest Dr SE
Campbellton Rd SW
Laurel Ave SW
Lakewood Ave
Main St
Jonesboro Rd
Camp Creek Pkwy
Conley Rd
Georgia Highway 42
elt Hwy
Major Roads
2008 Population Density
People per SqMi
< 2000
2000 - 4000
4000 - 6000
6000 - 8000
> 8000
0
1.25
2.5
5 Miles

Altanta is now one of the fastest growing cities in the south east, with more people coming to it as it becomes a major business hub with the largest airport in the world. Many people from Florida, New York, and California settled here. However, during the Great Recession, the metro area struggled to keep up its high growth rate, especially since Florida had such a large housing bubble. Those who did come, did not stay in the city center during this time, choosing instead to live in the surrounding suburbs.The city of Atlanta had less than 8 percent of the metro's population during this time, one of the lowest in the nation. But the future is looking up. As more business and residential development continues, many young professionals are now looking to live in midtown Atlanta and surrouding areas. Recent studies show increasing 2018 population numbers matching these observations, just 10 years after this map.

Data Source: Atlanta Regional Commission

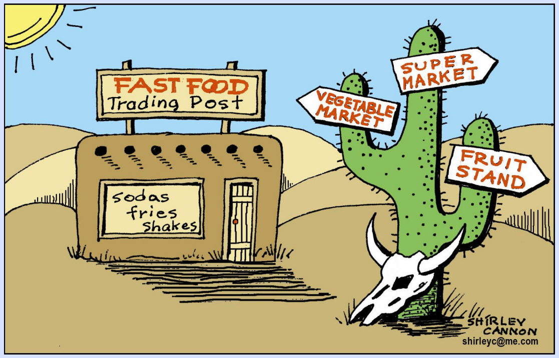
By: Haley Callaway, 4/24/2020

# Grocery Limitations Linked to Obesity



N
W
E
S
Paulding
Cobb
Gwinnett
Douglas
Atlanta
DeKalb
Fulton
Clayton
Rockdale
Henry
Rate of Population with Limited Access to Groceries
0% - 4.1%
4.2% - 9.1%
9.2% - 15.6%
15.7% - 30.5%
30.6% - 56.6%
Obesity Rate
22.9% - 27.8%
27.9% - 30.7%
30.8% - 33.3%
33.4% - 38%
0
25
50
100
Miles

Map by: Joseph Cathey
4/19/2020



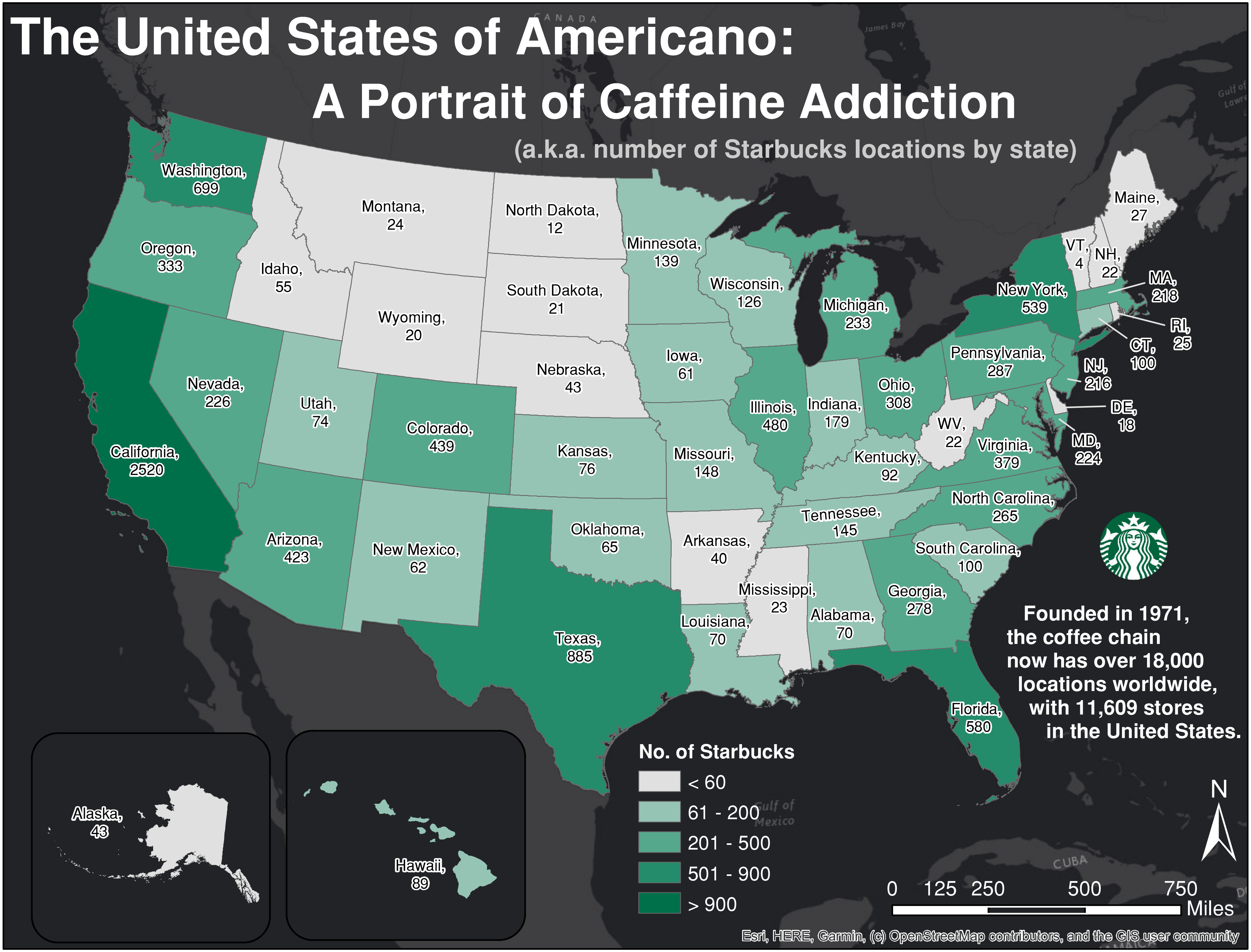
FAST FOOD
Trading Post
sodas
fries
shakes
VEGETABLE MARKET
SUPER MARKET
FRUIT STAND
SHIRLEY CANNON
shirleyc@me.com

The USDA estimates that 23.5 million Americans live within food deserts, where there is limited access to affordable, healthy, and fresh food from grocery stores. Populations in these areas are more likely to rely on fast food and convenience stores for their food sources, leading to obesity and other health issues. This map shows the relationship between the rate of populations with limited access to grocery stores and obesity rates in Georgia Counties. An inset map also shows this relationship with the counties surrounding the city of Atlanta.

Sources:
USDA Economic Research Service
Census Data Shapefiles
Atlanta Regional Commission
ArcGIS Storymap (image)
TechCrunch (image)

# The United States of Americano:
# A Portrait of Caffeine Addiction

(a.k.a. number of Starbucks locations by state)

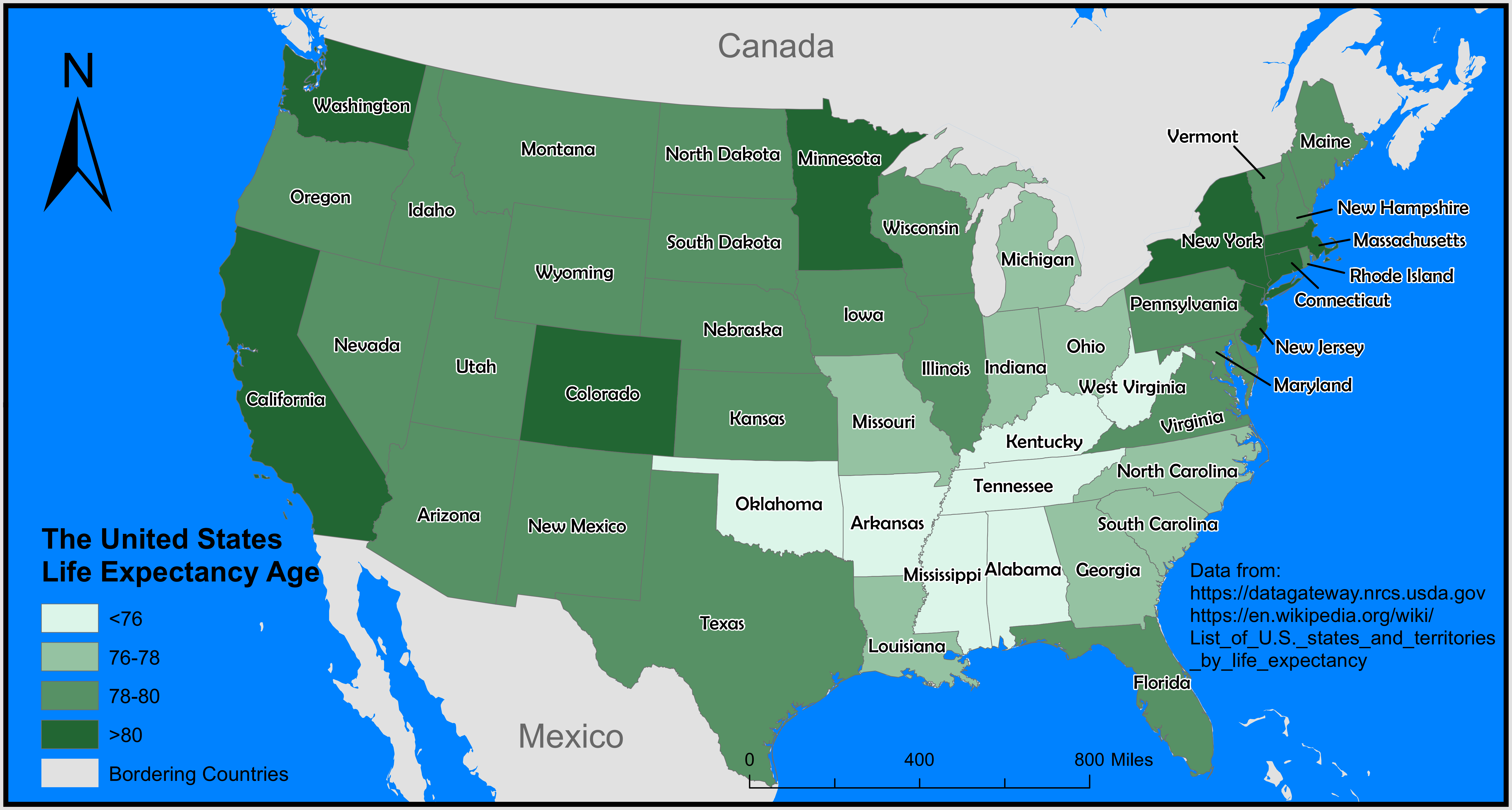

CANADA
James Bay
Gulf of Lawre
Washington, 699
Oregon, 333
California, 2520
Nevada, 226
Idaho, 55
Montana, 24
Wyoming, 20
Utah, 74
Arizona, 423
Colorado, 439
New Mexico, 62
North Dakota, 12
South Dakota, 21
Nebraska, 43
Kansas, 76
Oklahoma, 65
Texas, 885
Minnesota, 139
Iowa, 61
Missouri, 148
Arkansas, 40
Louisiana, 70
Wisconsin, 126
Illinois, 480
Michigan, 233
Indiana, 179
Ohio, 308
Kentucky, 92
Tennessee, 145
Mississippi, 23
Alabama, 70
Georgia, 278
Florida, 580
South Carolina, 100
North Carolina, 265
Virginia, 379
WV, 22
Pennsylvania, 287
New York, 539
VT, 4
NH, 22
Maine, 27
MA, 218
RI, 25
CT, 100
NJ, 216
DE, 18
MD, 224
Alaska, 43
Hawaii, 89
Gulf of Mexico
CUBA
No. of Starbucks
⬜ < 60
🟩 61 - 200
🟩 201 - 500
🟩 501 - 900
🟩 > 900
N
0 125 250 500 750 Miles
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

**Founded in 1971, the coffee chain now has over 18,000 locations worldwide, with 11,609 stores in the United States.**

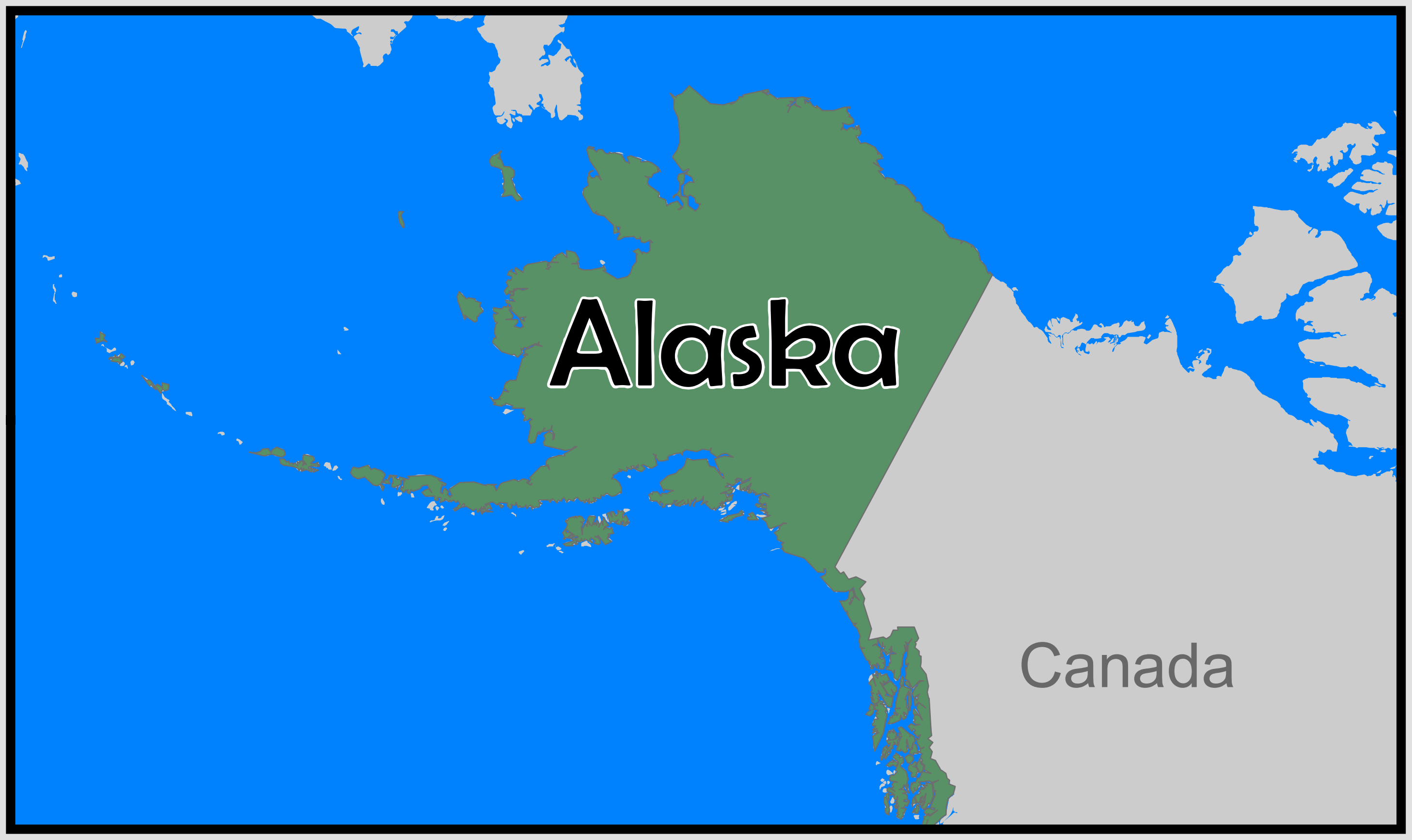
Data sources: ArcGIS Story Maps Team, U.S. Census Bureau

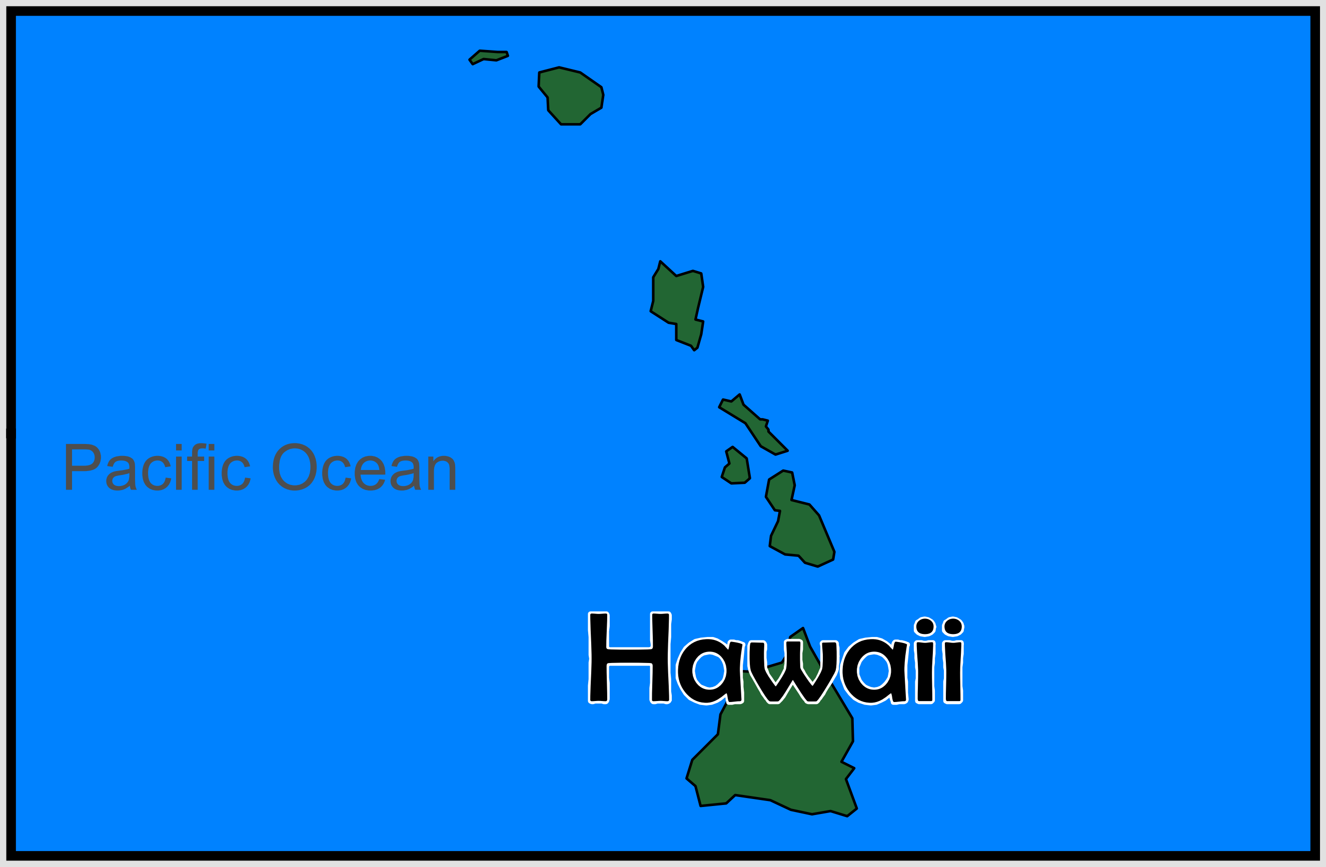
Map by: Jennifer Goldberg
April 2020

# *Life Expectancy of Americans*


Canada
Mexico
N
Washington
Oregon
California
Idaho
Nevada
Montana
Wyoming
Utah
Arizona
Colorado
New Mexico
North Dakota
South Dakota
Nebraska
Kansas
Oklahoma
Texas
Minnesota
Iowa
Missouri
Arkansas
Louisiana
Wisconsin
Illinois
Michigan
Indiana
Ohio
Kentucky
Tennessee
Mississippi
Alabama
Georgia
Florida
South Carolina
North Carolina
Virginia
West Virginia
Pennsylvania
New York
Vermont
Maine
New Hampshire
Massachusetts
Rhode Island
Connecticut
New Jersey
Maryland
The United States
Life Expectancy Age
<76
76-78
78-80
>80
Bordering Countries
0
400
800 Miles

Data from:
https://datagateway.nrcs.usda.gov
https://en.wikipedia.org/wiki/List_of_U.S._states_and_territories_by_life_expectancy

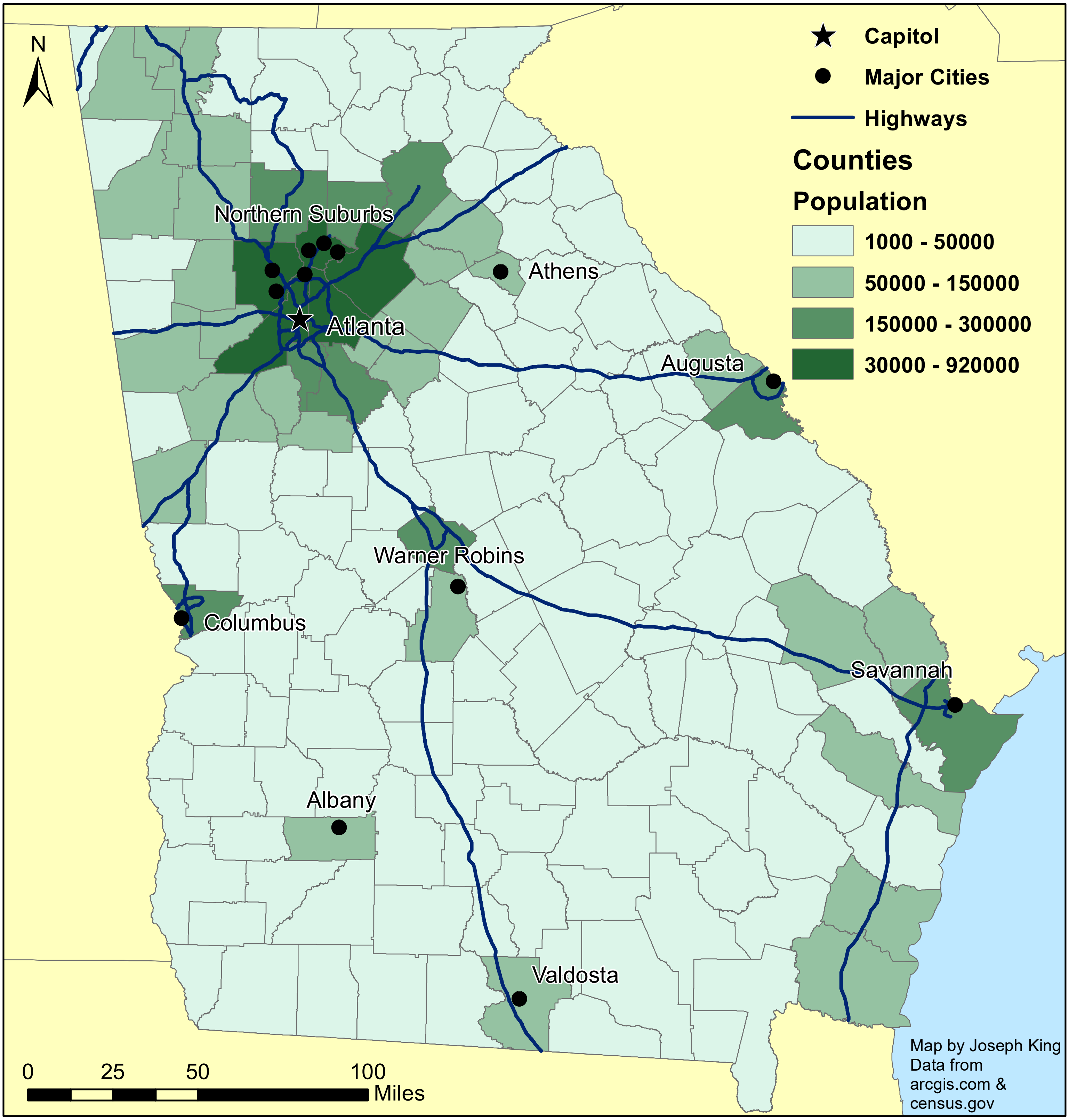

Alaska
Canada


Pacific Ocean
Hawaii

Map by: Jaylon King
Due by: 4/24/2020

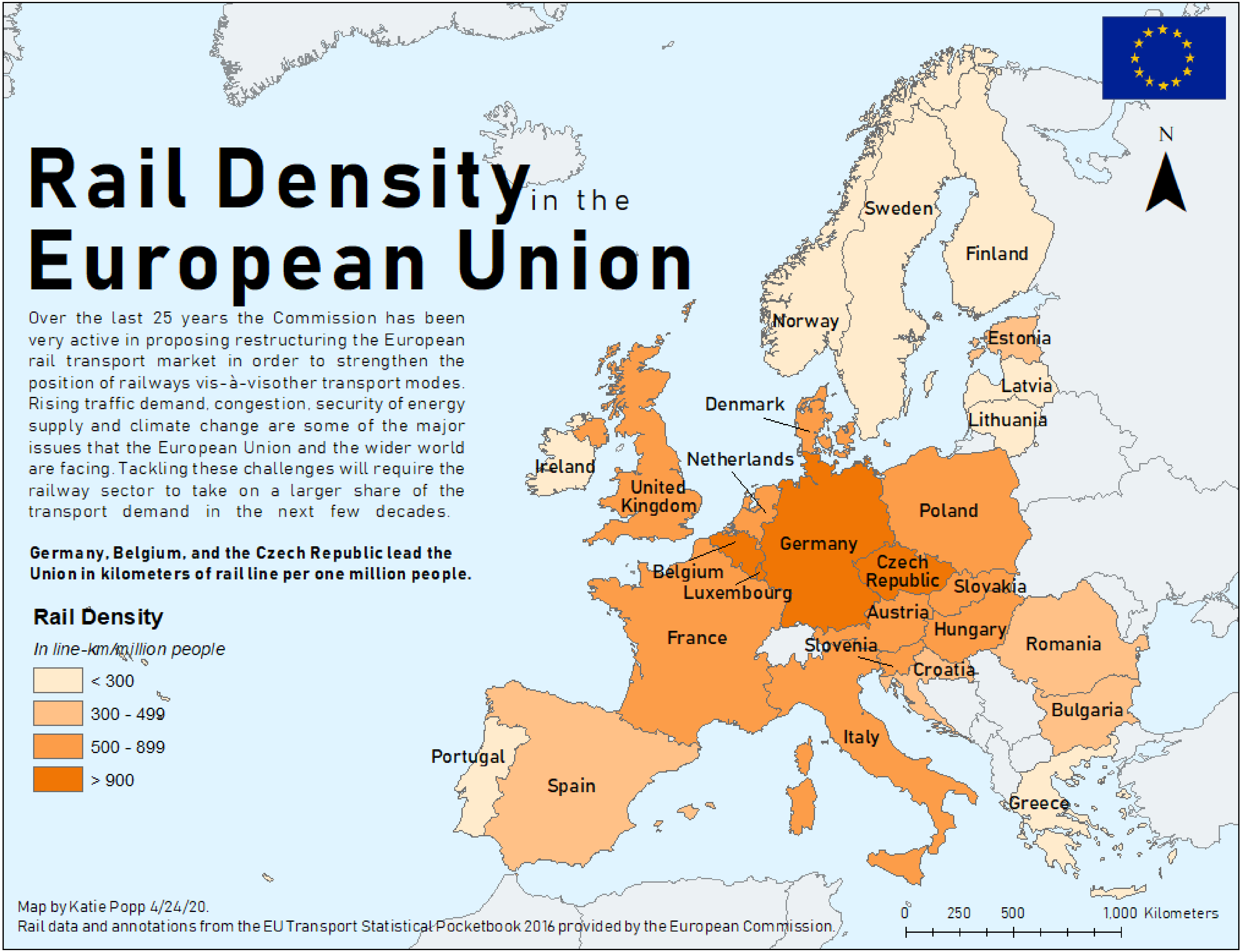
# Georgia's Population

Georgia's population is heavily centered around the Atlanta Area, where several major cities are located that many consider to be suburbs of Atlanta, despite their large populations in and of themselves.


N
Capitol
Major Cities
Highways
Counties
Population
1000 - 50000
50000 - 150000
150000 - 300000
30000 - 920000
Northern Suburbs
Athens
Atlanta
Augusta
Warner Robins
Columbus
Savannah
Albany
Valdosta
0
25
50
100
Miles

Map by Joseph King
Data from arcgis.com & census.gov

# Rail Density in the European Union


Sweden
Finland
Norway
Estonia
Latvia
Lithuania
Denmark
Netherlands
Ireland
United Kingdom
Poland
Germany
Czech Republic
Belgium
Slovakia
Luxembourg
Austria
Hungary
France
Slovenia
Romania
Croatia
Bulgaria
Italy
Portugal
Spain
Greece
N
0
250
500
1,000 Kilometers

Over the last 25 years the Commission has been very active in proposing restructuring the European rail transport market in order to strengthen the position of railways vis-à-visother transport modes. Rising traffic demand, congestion, security of energy supply and climate change are some of the major issues that the European Union and the wider world are facing. Tackling these challenges will require the railway sector to take on a larger share of the transport demand in the next few decades.

**Germany, Belgium, and the Czech Republic lead the Union in kilometers of rail line per one million people.**

**Rail Density**

*In line-km/million people*

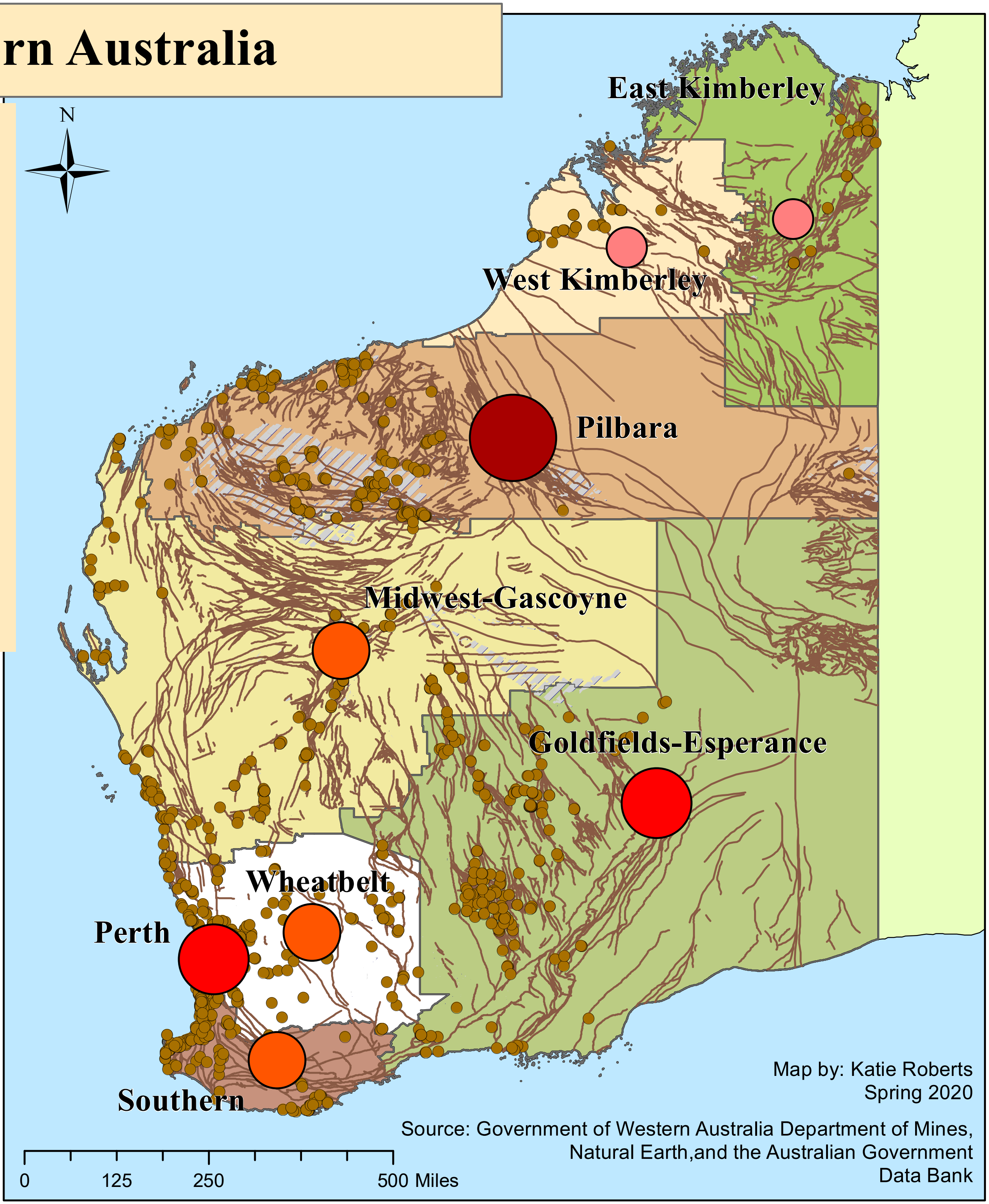
- < 300
- 300 - 499
- 500 - 899
- > 900

Map by Katie Popp 4/24/20.
Rail data and annotations from the EU Transport Statistical Pocketbook 2016 provided by the European Commission.

# Mining in Western Australia

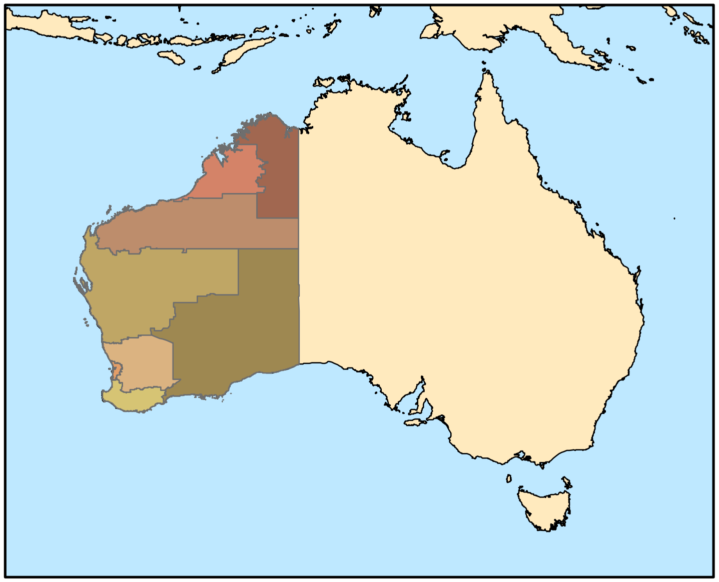
Western Australia's mining business is thriving with over 100 billion dollars in profits.There are 1,170 mines in western Australia with the highest proportion being located on fault lines for easy access to minerals, metals, and stones. Iron is the most common valuable resource profitting the region of Pilbara with over 63 billion dollars.

Iron is the reason for Pilbara's top status as the most profitable region for mining followed by Goldsfield-Esperance and Perth.
The Kimberley region has the lowest mining profits with the West and East Kimberley making only 289 million combined.


Mining Profits (per year)
> 1 Billion
1 - 3.5 Billion
3.5 - 10 Billion
< 10 Billion
Operating Mines
Fault Lines
Iron Formations
N
East Kimberley
West Kimberley
Pilbara
Midwest-Gascoyne
Goldfields-Esperance
Wheatbelt
Perth
Southern
0
125
250
500 Miles

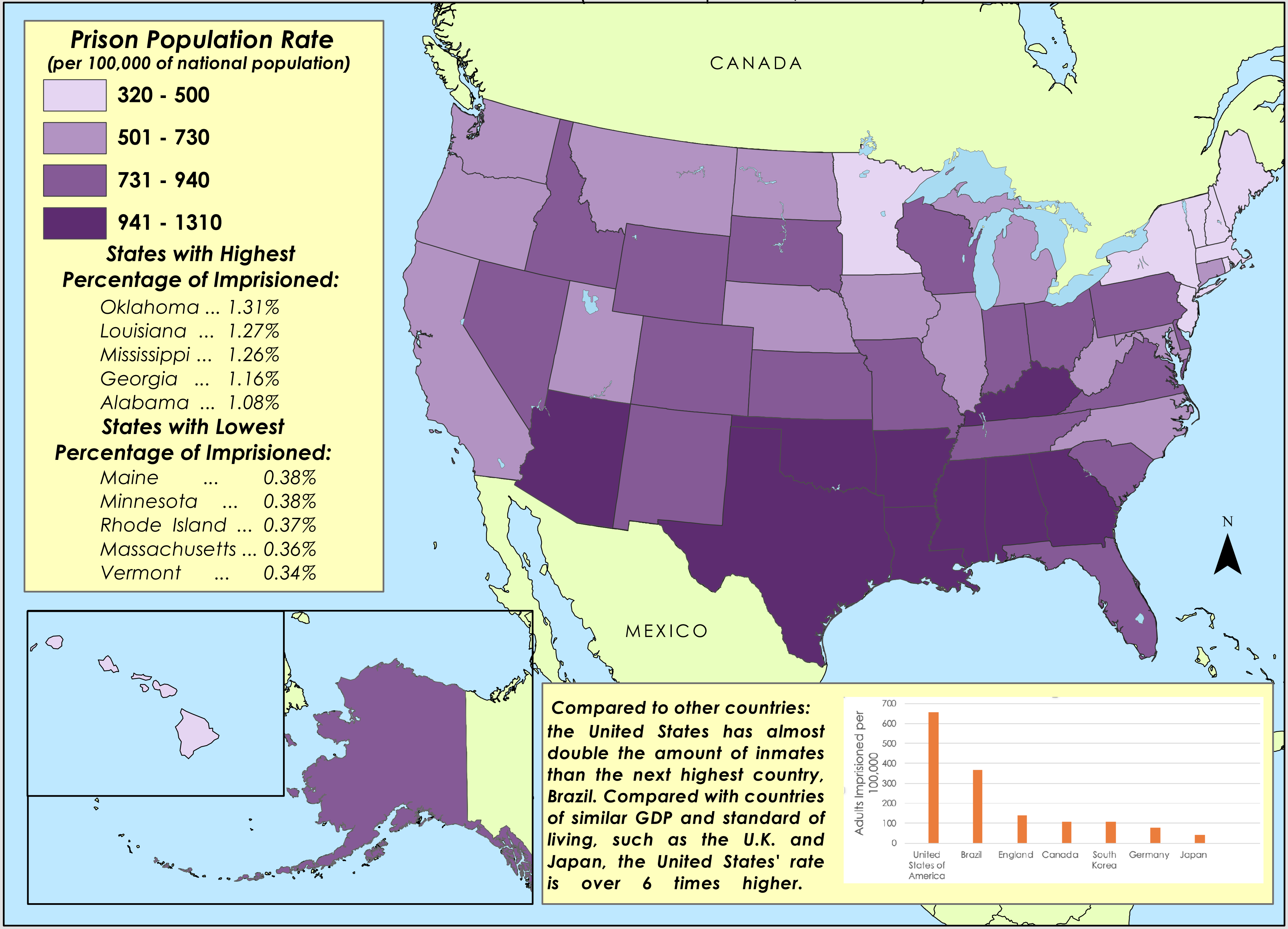
Map by: Katie Roberts
Spring 2020

Source: Government of Western Australia Department of Mines, Natural Earth,and the Australian Government Data Bank



# United States Prison Rate

United States Prison Rate (2016 rate per 100,000 adults)


CANADA
MEXICO
N
Adults Imprisioned per 100,000
700
600
500
400
300
200
100
0
United States of America
Brazil
England
Canada
South Korea
Germany
Japan
0
550
1,100
2,200
Miles

**Prison Population Rate**
**(per 100,000 of national population)**

- **320 - 500**
- **501 - 730**
- **731 - 940**
- **941 - 1310**

**States with Highest Percentage of Imprisioned:**

*Oklahoma ... 1.31%*
*Louisiana ... 1.27%*
*Mississippi ... 1.26%*
*Georgia ... 1.16%*
*Alabama ... 1.08%*

**States with Lowest Percentage of Imprisioned:**

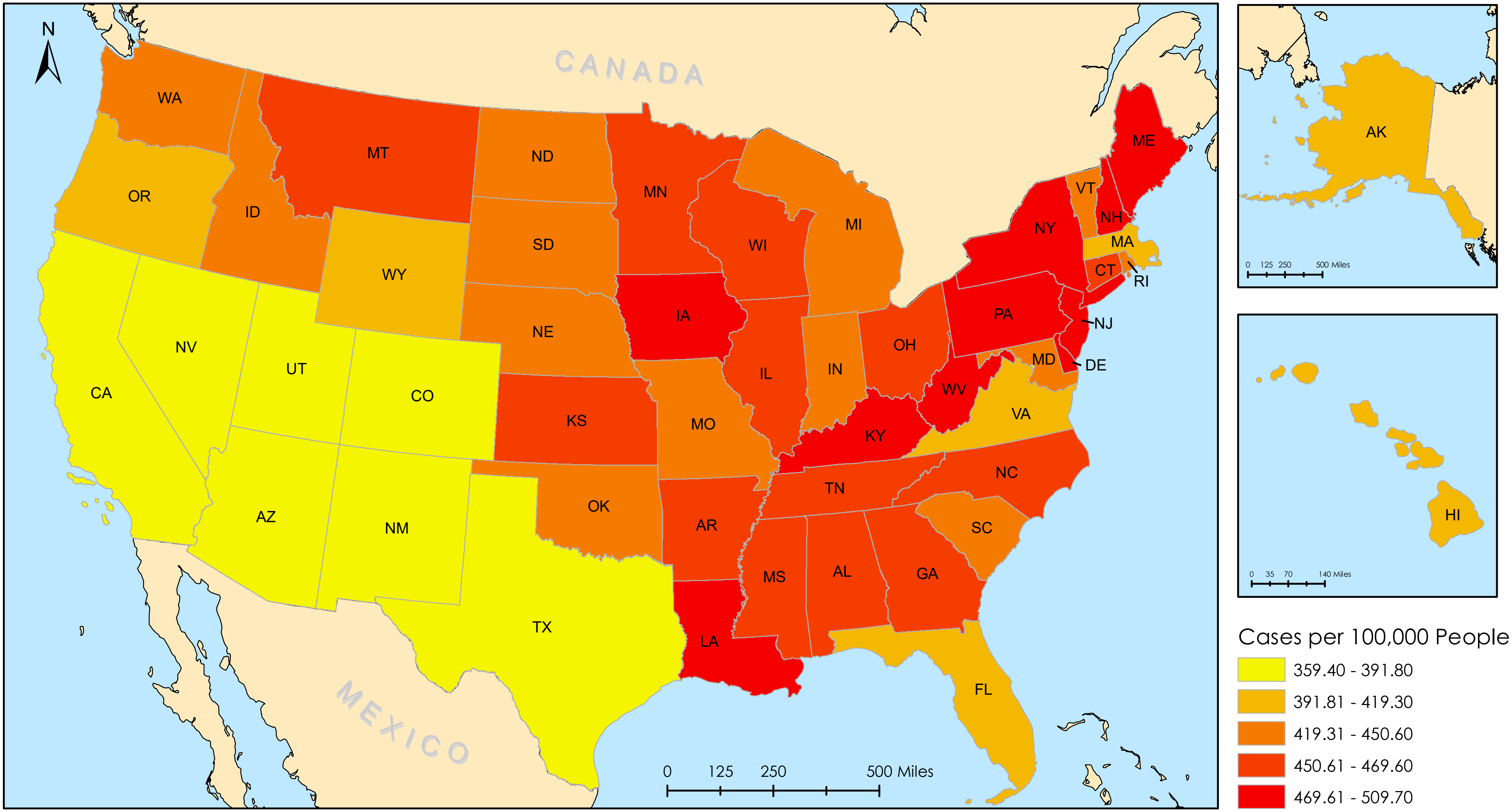
*Maine ... 0.38%*
*Minnesota ... 0.38%*
*Rhode Island ... 0.37%*
*Massachusetts ... 0.36%*
*Vermont ... 0.34%*

***Compared to other countries:*** ***the United States has almost double the amount of inmates than the next highest country, Brazil. Compared with countries of similar GDP and standard of living, such as the U.K. and Japan, the United States' rate is over 6 times higher.***

***Map by Laura Kelly S2020 CP 4510***

***Data sources: World Prison Brief and PrisonStudies.org***

# New Cancer Cases in America (2016)

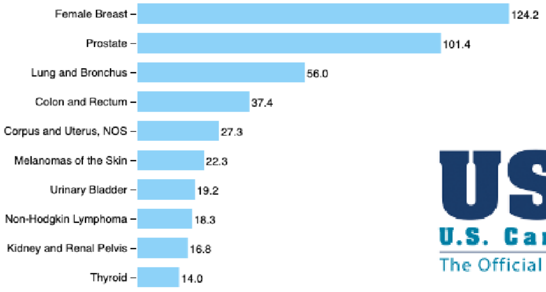

N
CANADA
MEXICO
WA
OR
CA
NV
ID
MT
WY
UT
CO
AZ
NM
ND
SD
NE
KS
OK
TX
MN
IA
MO
AR
LA
WI
IL
MS
MI
IN
KY
TN
AL
OH
GA
FL
WV
VA
NC
SC
PA
NY
VT
NH
ME
MA
CT
RI
NJ
DE
MD
AK
HI
0 125 250 500 Miles
0 125 250 500 Miles
0 35 70 140 Miles

Cases per 100,000 People

- 🟨 359.40 - 391.80
- 🟧 391.81 - 419.30
- 🟧 419.31 - 450.60
- 🟥 450.61 - 469.60
- 🟥 469.61 - 509.70

The Centers for Disease Control and Prevention lists cancer as the second leading cause of death in the United States of America, falling behind heart disease. The most recent data the CDC has is from 2016, where most new cases of cancer were found to be Female Breast cancer. Above is a map that codes the states by the rate of new cancer cases per one hundred thousand people. Please refer to the legend on the right to determine where each state falls. Shown to the right is a bar graph that depicts the top ten cancers with new cases in 2016, per one hundred thousand people.

Top 10 Cancers by Rates of New Cancer Cases

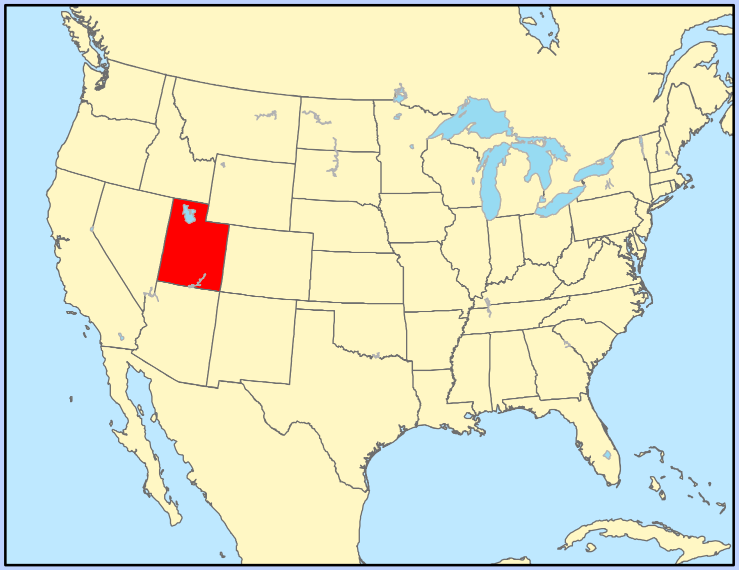


USCS
U.S. Cancer Statistics
The Official Federal Cancer Statistics

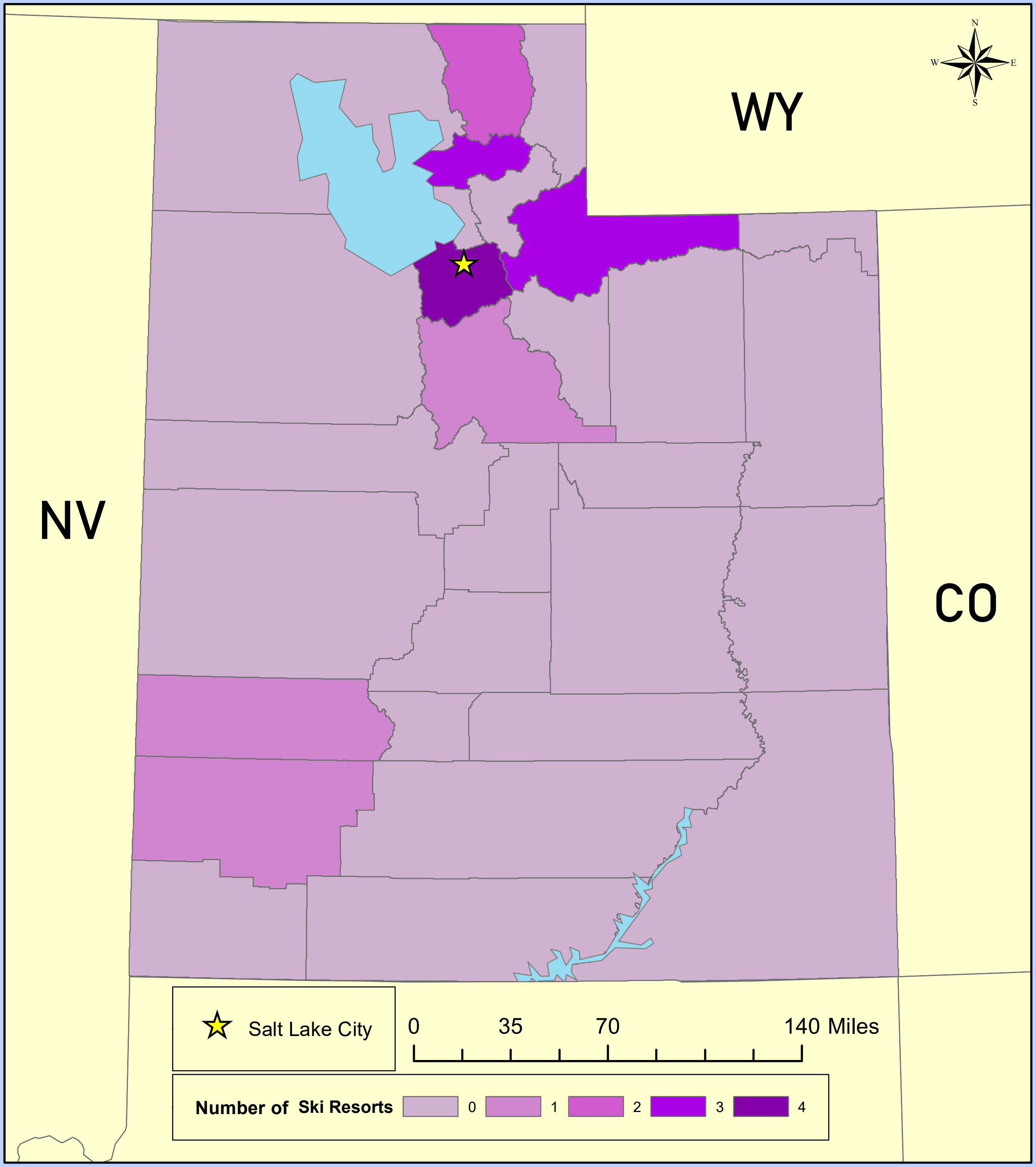
Data sources: Centers for Disease Control and Prevention, U.S. Cancer Statistics, United States Census Bureau, ArcGIS Hub

Map by Michelle Ortega
24 April 2020

# Utah Ski Resorts



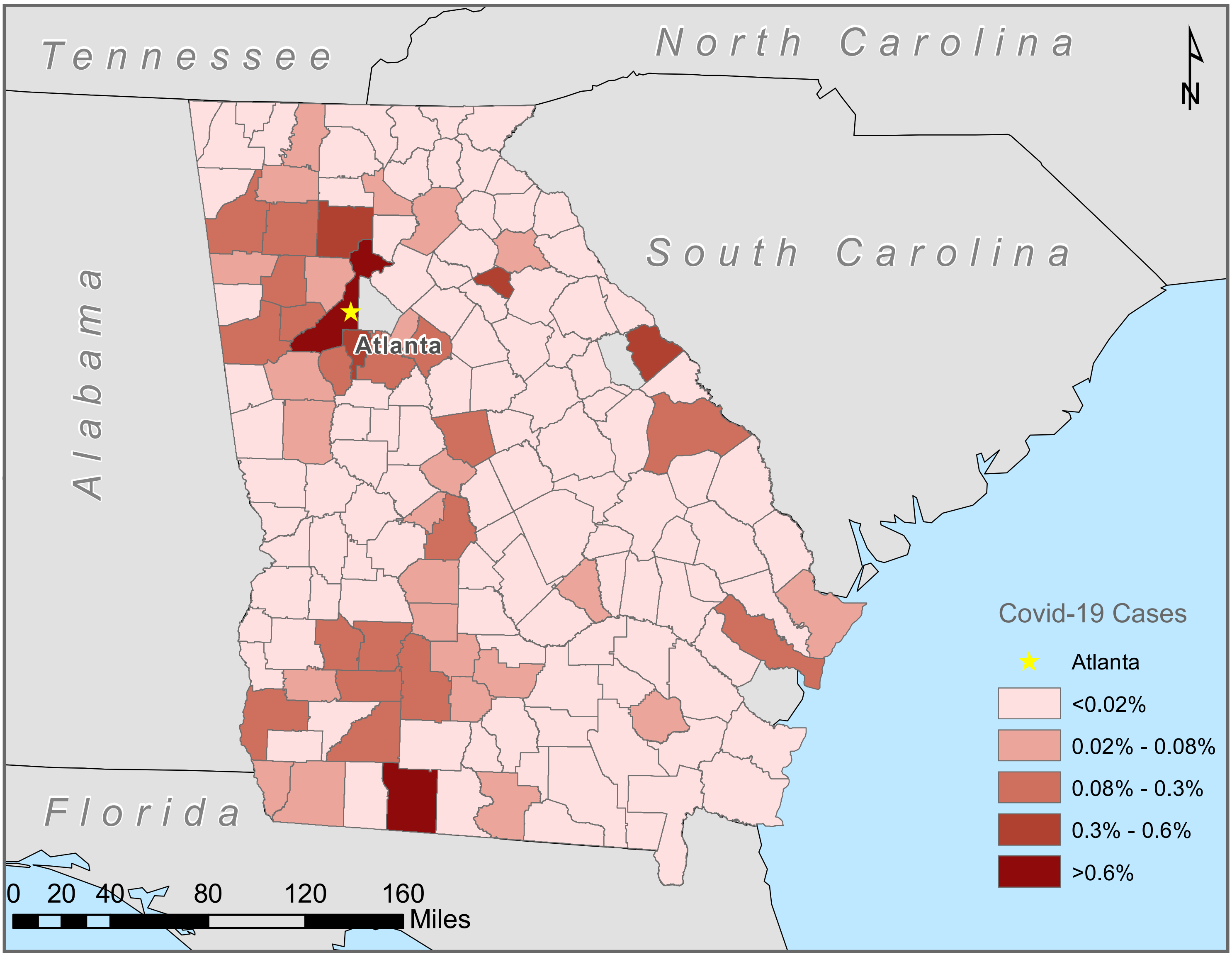
Utah is home to 3.2 million Americans. It is also home to some of the world's best ski resorts. The Beehive state even hosted the Winter Olympic Games in 2002, which was split between Park City Resort and Deer Valley Resort. This map shows the number of ski resorts located in each county in Utah to provide a look into the locations of Utah's most enjoyed venue.


WY
NV
CO
N
S
E
W
☆ Salt Lake City
0
35
70
140 Miles
Number of Ski Resorts
0
1
2
3
4

Map made by McKinley Thompson 4/26/2020

All data is from opendata.utah.gov

# Covid-19 in Georgia


Tennessee
North Carolina
South Carolina
Alabama
Florida
Atlanta
N
Covid-19 Cases
★ Atlanta
<0.02%
0.02% - 0.08%
0.08% - 0.3%
0.3% - 0.6%
>0.6%
0 20 40 80 120 160
Miles

The Coronavirus, which causes the disease Covid-19 began rapidly spreading in January, 2020. It reached the state of Georgia in March, 2020 and has since spread to almost every county throughout the state. This map shows the cases of Covid-19 in each county, normalized by population. It is evident that the counties in and around the metro Atlanta area have been hit relatively hard, the first cases occurring in Fulton County, where Hartsfield-Jackson International Airport is located.

CORONAVIRUS
PLEASE STAY HOME
DISINFECT, WASH HANDS

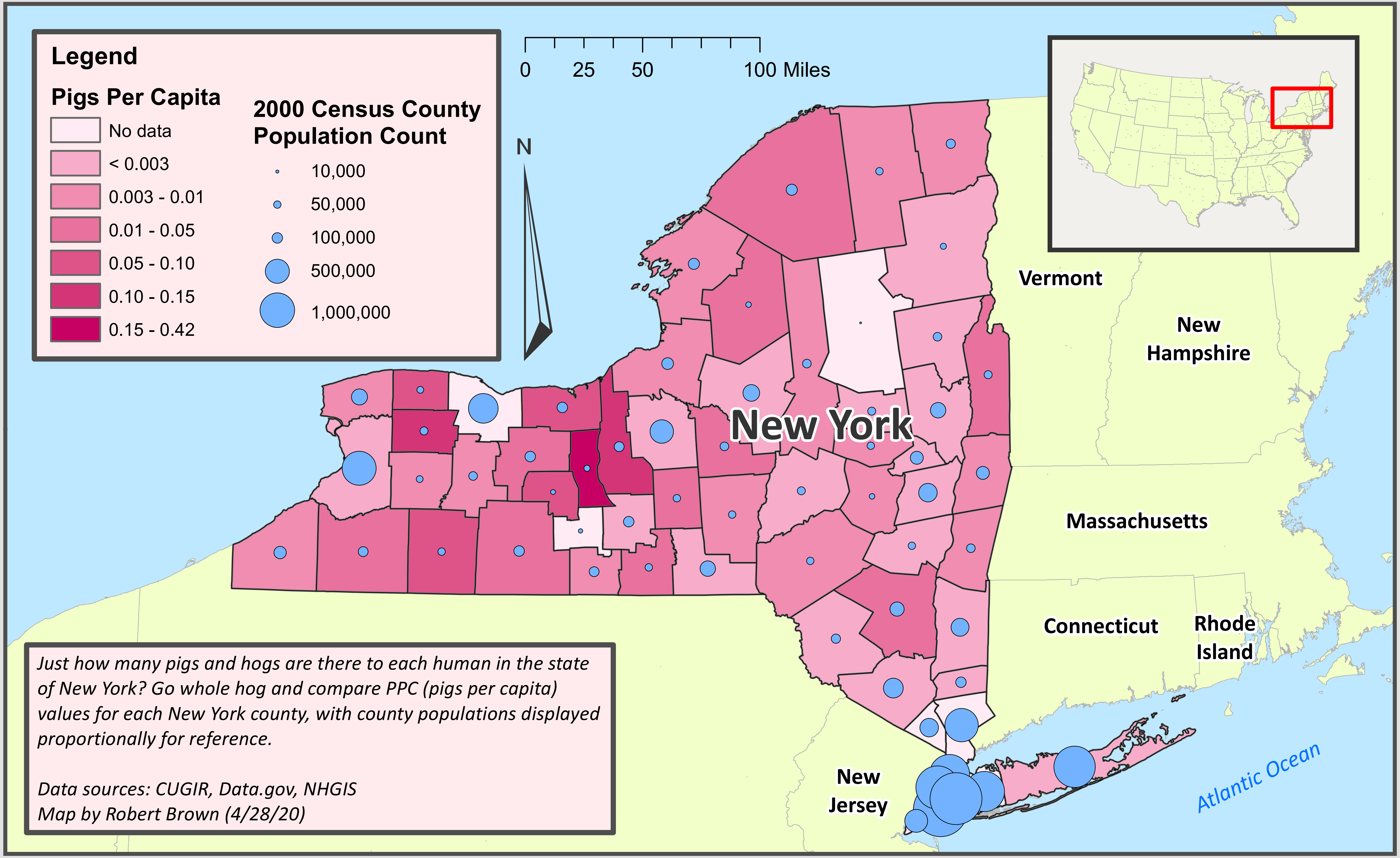
VISITOR ELEVATORS

Covid-19 is highly contagious, and CDC advises several practices to protect yourself from contracting the virus and to prevent the spread.

1. Wear a cloth face mask.
2. Practice social distancing and stay 6 feet away from others if you must go out.
3. Wash your hands often for 20 seconds with soap and warm water.
4. Avoid touching your eyes, nose, and mouth.
5. Clean and disinfect household surfaces often.

***Map by: Olivia Mast  Data Source: Georgia Department of Public Health***

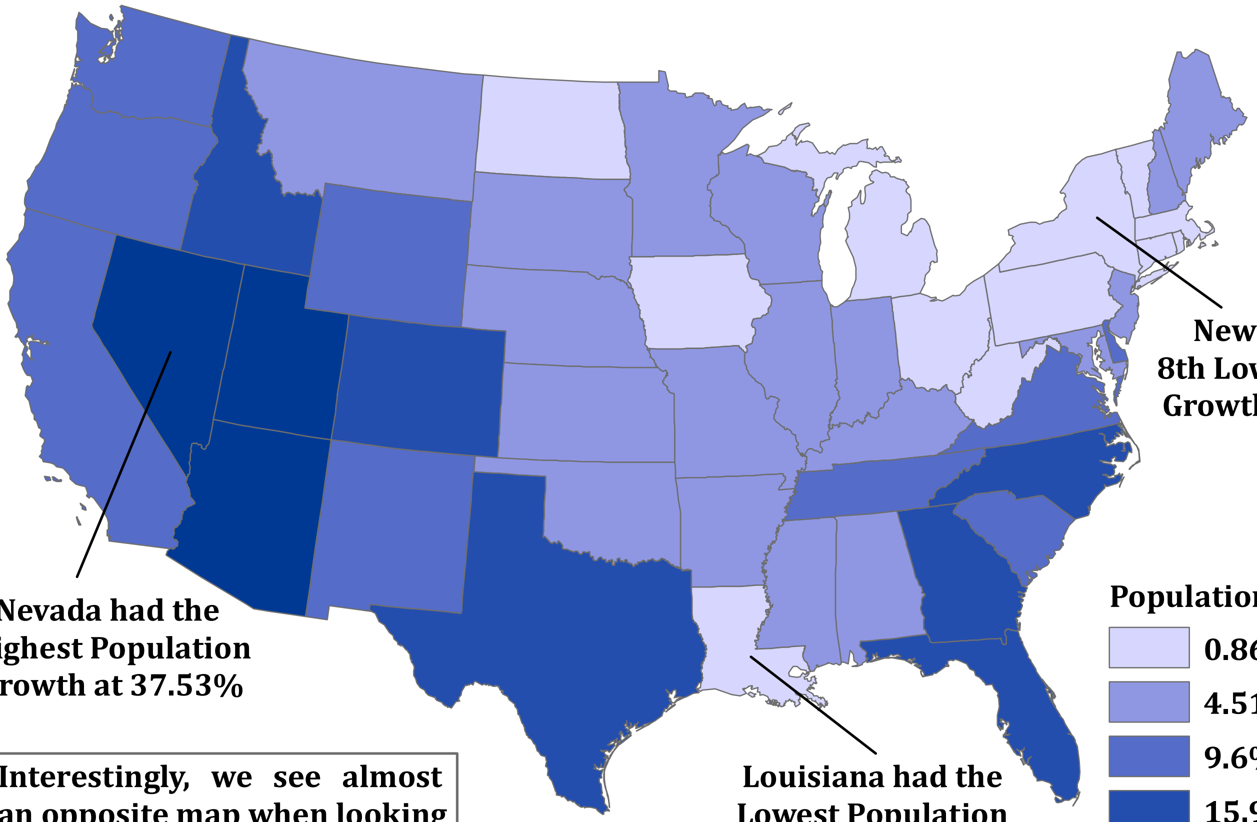
# Pig Populations Per Capita in New York Counties


Legend
Pigs Per Capita
No data
< 0.003
0.003 - 0.01
0.01 - 0.05
0.05 - 0.10
0.10 - 0.15
0.15 - 0.42
2000 Census County Population Count
10,000
50,000
100,000
500,000
1,000,000
0
25
50
100 Miles
N
Vermont
New Hampshire
Massachusetts
Connecticut
Rhode Island
New York
New Jersey
Atlantic Ocean

*Just how many pigs and hogs are there to each human in the state of New York? Go whole hog and compare PPC (pigs per capita) values for each New York county, with county populations displayed proportionally for reference.*

*Data sources: CUGIR, Data.gov, NHGIS*
*Map by Robert Brown (4/28/20)*

# Population Growth by State (2000 to 2010)



New York had the
8th Lowest Population
Growth at only 2.99%

Nevada had the
Highest Population
Growth at 37.53%

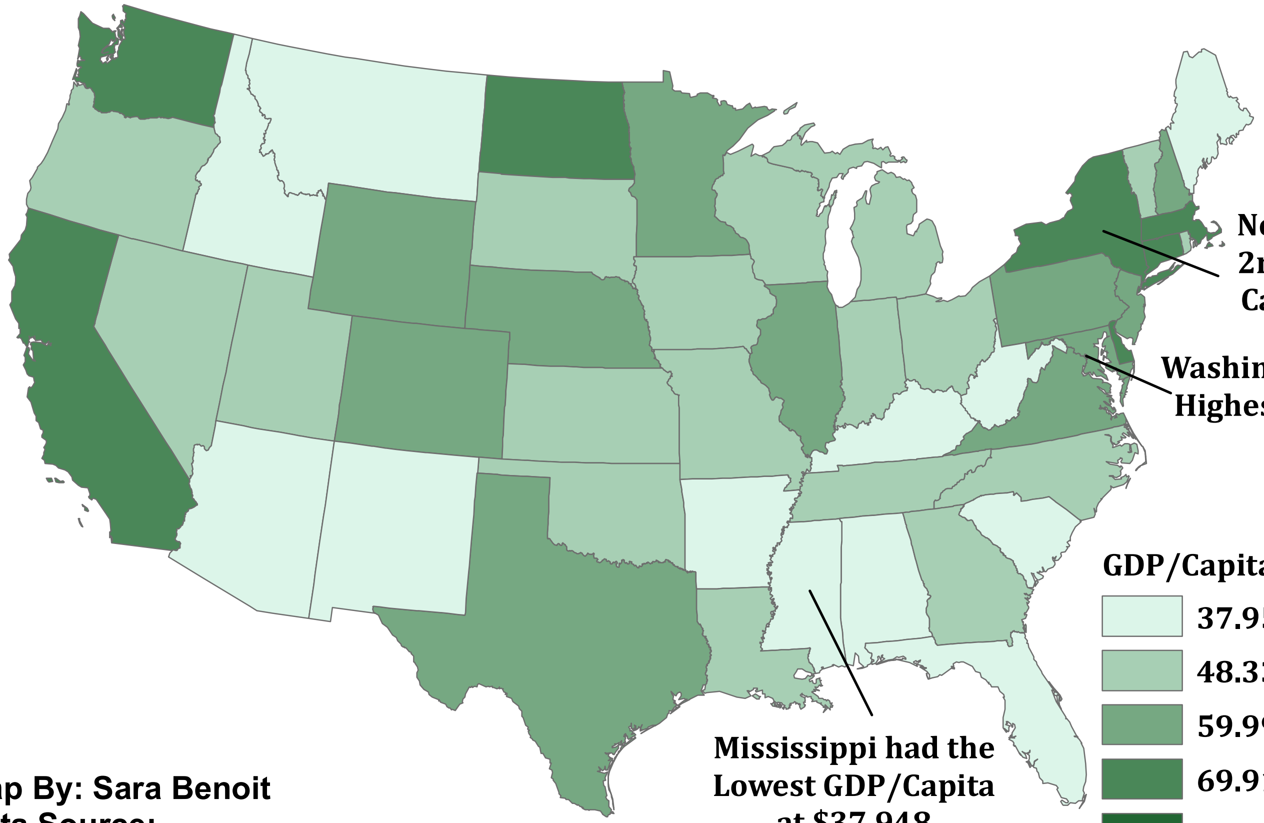
Louisiana had the
Lowest Population
Growth at 0.86%

**Population Growth**

🟦 0.86% - 4.5%
🟦 4.51% - 9.59%
🟦 9.6% - 15.9%
🟦 15.91% - 22.32%
🟦 22.33% - 37.53%

Interestingly, we see almost an opposite map when looking at Population Growth as compared to GDP per Capita.

# GDP per Capita by State (2016)



New York had the
2nd Highest GDP/
Capita at $85,746

Washington D.C. had the
Highest GDP/Capita at
$200,277

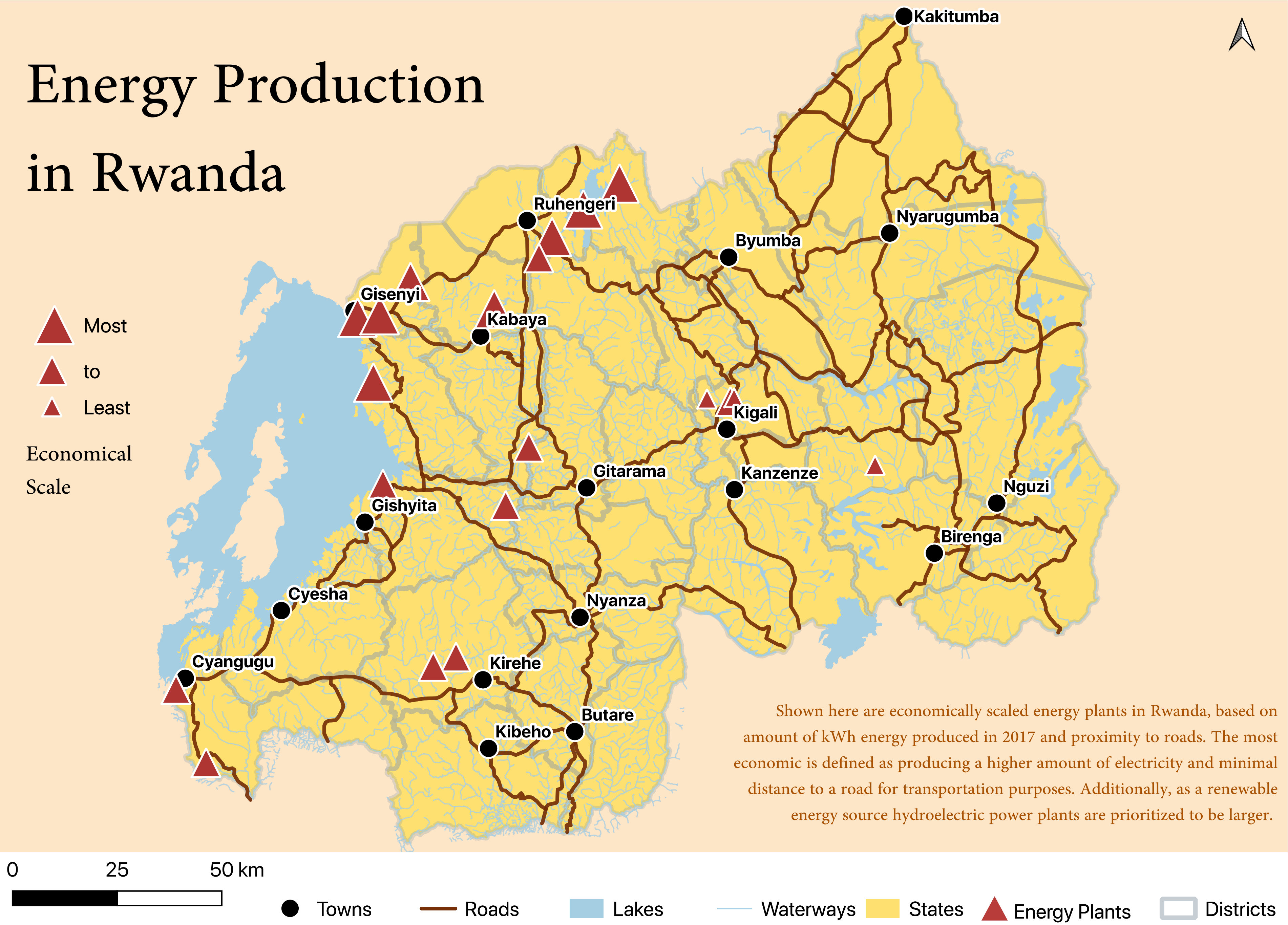
Mississippi had the
Lowest GDP/Capita
at $37,948

**GDP/Capita (in thousands)**

🟩 37.95 - 48.32
🟩 48.33 - 59.98
🟩 59.99 - 69.90
🟩 69.91 - 85.75
🟩 85.76 - 200.28

Map By: Sara Benoit
Data Source:
https://www.bea.gov/data/gdp/gdp-state

# Energy Production in Rwanda

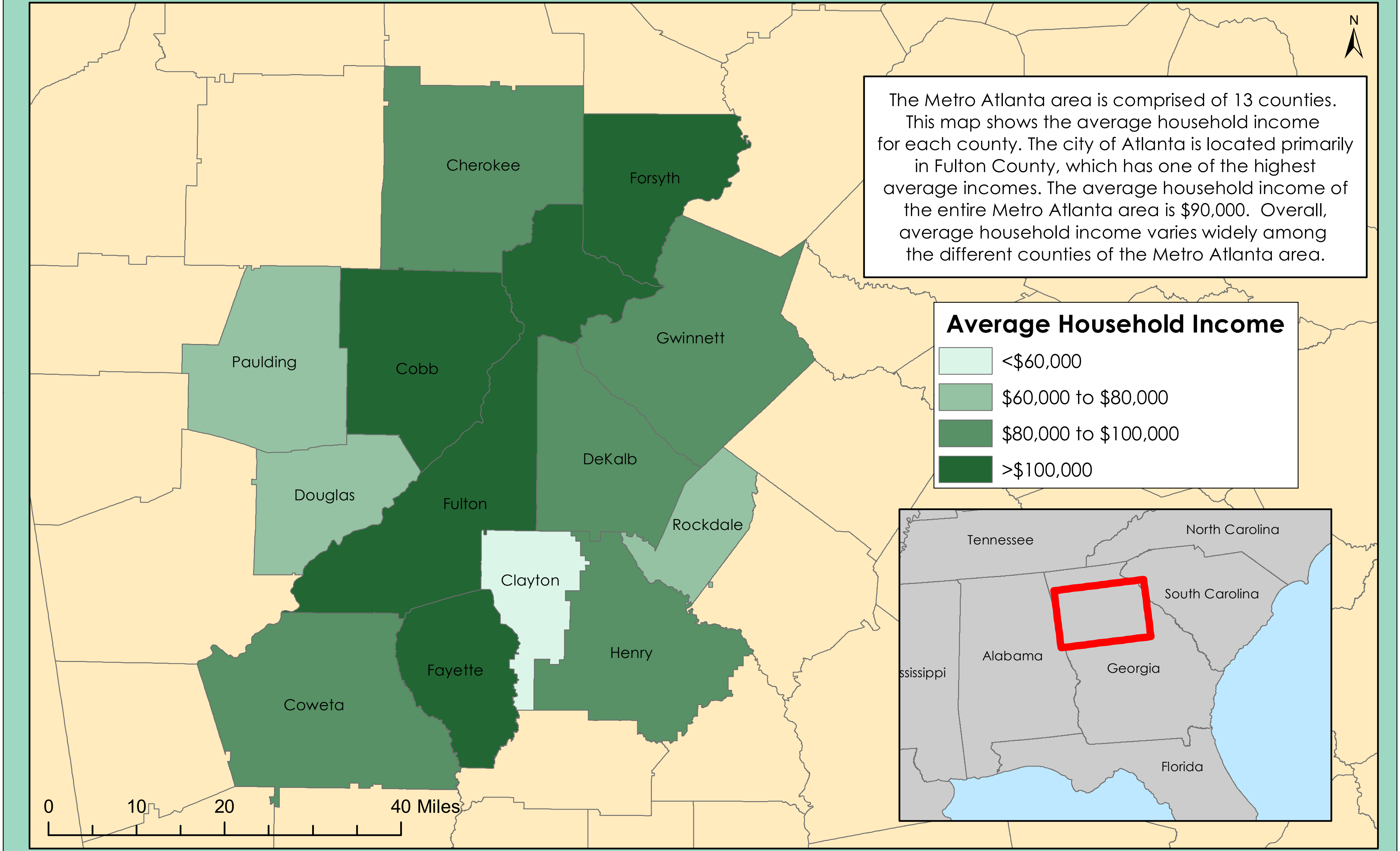

Kakitumba
Ruhengeri
Nyarugumba
Byumba
Gisenyi
Kabaya
Kigali
Gitarama
Kanzenze
Nguzi
Gishyita
Birenga
Cyesha
Nyanza
Cyangugu
Kirehe
Butare
Kibeho
Most
to
Least
Economical Scale
0
25
50 km
Towns
Roads
Lakes
Waterways
States
Energy Plants
Districts

Shown here are economically scaled energy plants in Rwanda, based on amount of kWh energy produced in 2017 and proximity to roads. The most economic is defined as producing a higher amount of electricity and minimal distance to a road for transportation purposes. Additionally, as a renewable energy source hydroelectric power plants are prioritized to be larger.

*Soniya Bhagat, Spring 2020* *Various Data Sources*

# Average Income of Metro Atlanta Counties

by Sarah Lowry, Spring 2020


N
Cherokee
Forsyth
Paulding
Cobb
Gwinnett
DeKalb
Douglas
Fulton
Rockdale
Clayton
Henry
Fayette
Coweta
Average Household Income
<$60,000
$60,000 to $80,000
$80,000 to $100,000
>$100,000
Tennessee
North Carolina
South Carolina
Alabama
ssissippi
Georgia
Florida
0
10
20
40 Miles

The Metro Atlanta area is comprised of 13 counties. This map shows the average household income for each county. The city of Atlanta is located primarily in Fulton County, which has one of the highest average incomes. The average household income of the entire Metro Atlanta area is $90,000. Overall, average household income varies widely among the different counties of the Metro Atlanta area.

Data Sources: Atlanta Regional Commission, data.gov

# Immigration Across the Globe 2015-2020

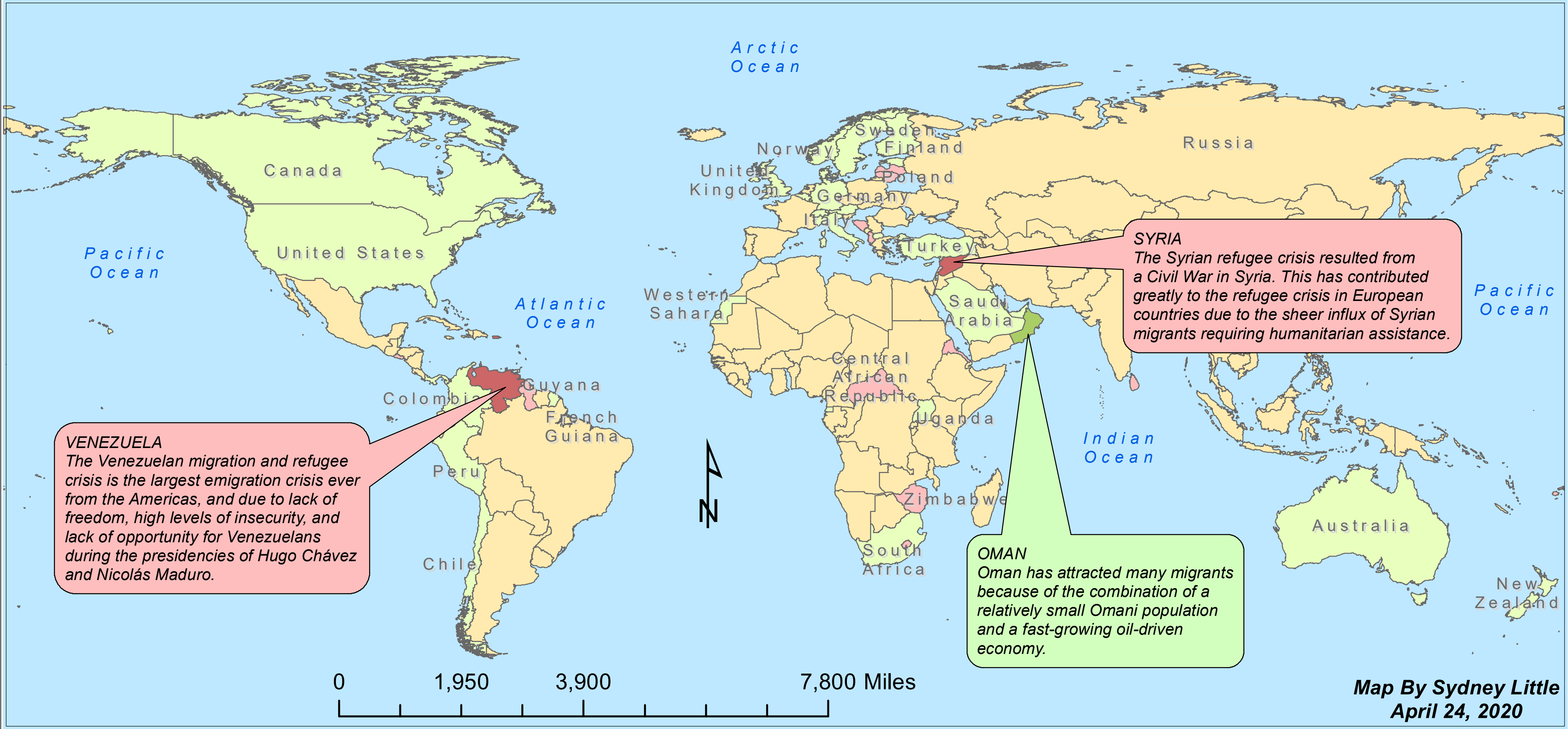
**This is a map of countries classified by net migration rate. Migration rate is the difference between the number of persons entering and leaving a country during the year, per 1,000 persons. This number indicates the contribution of migration to the overall level of population change. The net migration rate does not distinguish between economic migrants, refugees, and other types of migrants nor does it distinguish between lawful migrants and unlawful migrants. Three countries' migration rates stood out and are explained in more detail near each of those countries.**

***Sources: Oman Census 2010, Who's Who Legal, The Washington Post, UNHCR Syria Regional Refugee Response, CIA World Factbook, ArcGIS.com***

## Legend

**Migration Rate**

- 🟥 -31.4 - -22.3
- 🟧 -22.2 - -4.5
- 🟨 -4.4 - 2.2
- 🟩 2.3 - 12.4
- 🟩 12.5 - 31.1


Arctic Ocean
Pacific Ocean
Atlantic Ocean
Pacific Ocean
Indian Ocean
Canada
United States
Colombia
Guyana
French Guiana
Peru
Chile
Western Sahara
Norway
Sweden
Finland
United Kingdom
Poland
Germany
Italy
Turkey
Saudi Arabia
Central African Republic
Uganda
Zimbabwe
South Africa
Russia
Australia
New Zealand
N
0
1,950
3,900
7,800 Miles

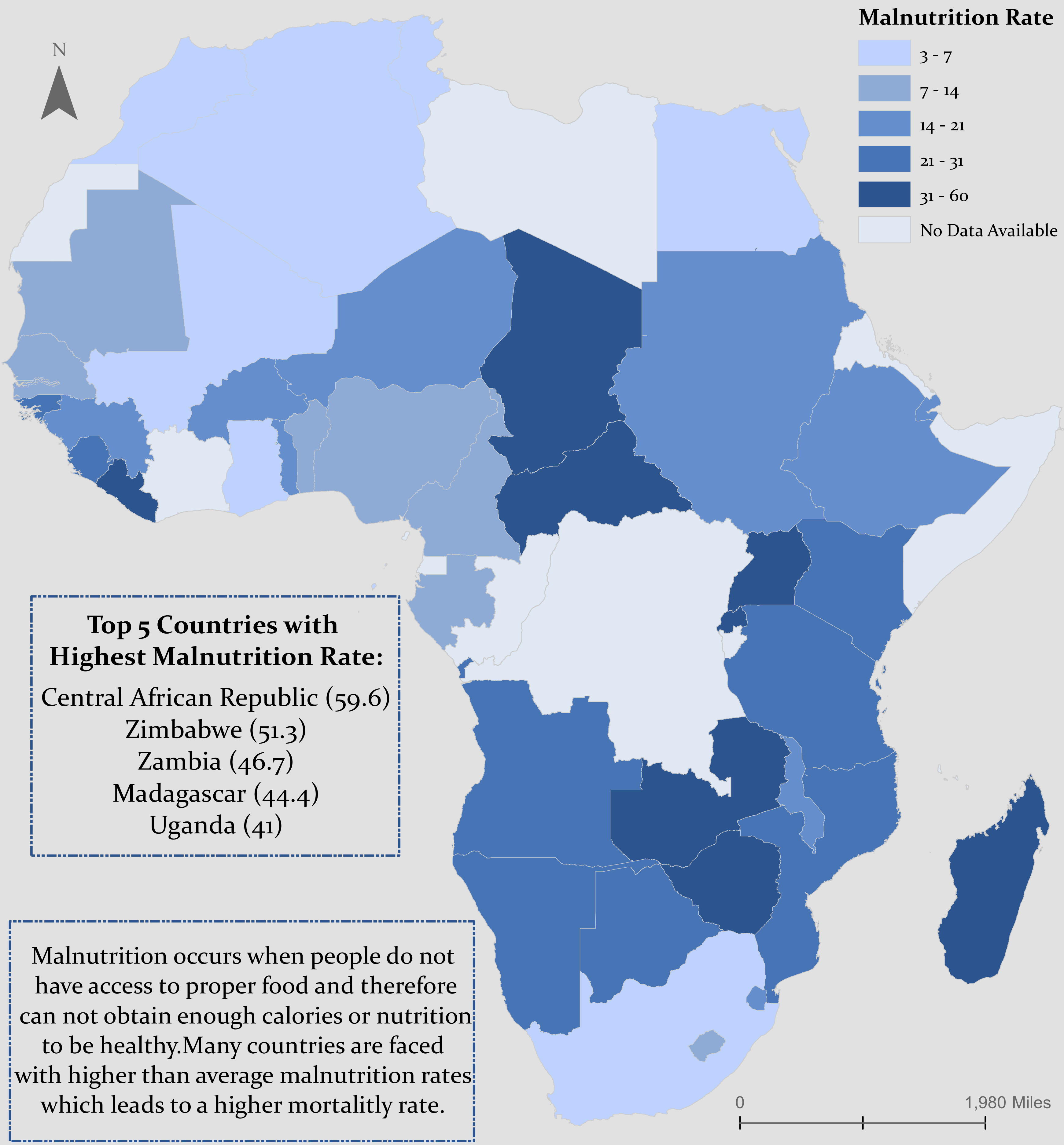
*SYRIA*
*The Syrian refugee crisis resulted from a Civil War in Syria. This has contributed greatly to the refugee crisis in European countries due to the sheer influx of Syrian migrants requiring humanitarian assistance.*

*VENEZUELA*
*The Venezuelan migration and refugee crisis is the largest emigration crisis ever from the Americas, and due to lack of freedom, high levels of insecurity, and lack of opportunity for Venezuelans during the presidencies of Hugo Chávez and Nicolás Maduro.*

*OMAN*
*Oman has attracted many migrants because of the combination of a relatively small Omani population and a fast-growing oil-driven economy.*

***Map By Sydney Little***
***April 24, 2020***

# Malnutrition Rates in African Countries


N
Malnutrition Rate
3 - 7
7 - 14
14 - 21
21 - 31
31 - 60
No Data Available
0
1,980 Miles

**Top 5 Countries with Highest Malnutrition Rate:**

Central African Republic (59.6)
Zimbabwe (51.3)
Zambia (46.7)
Madagascar (44.4)
Uganda (41)

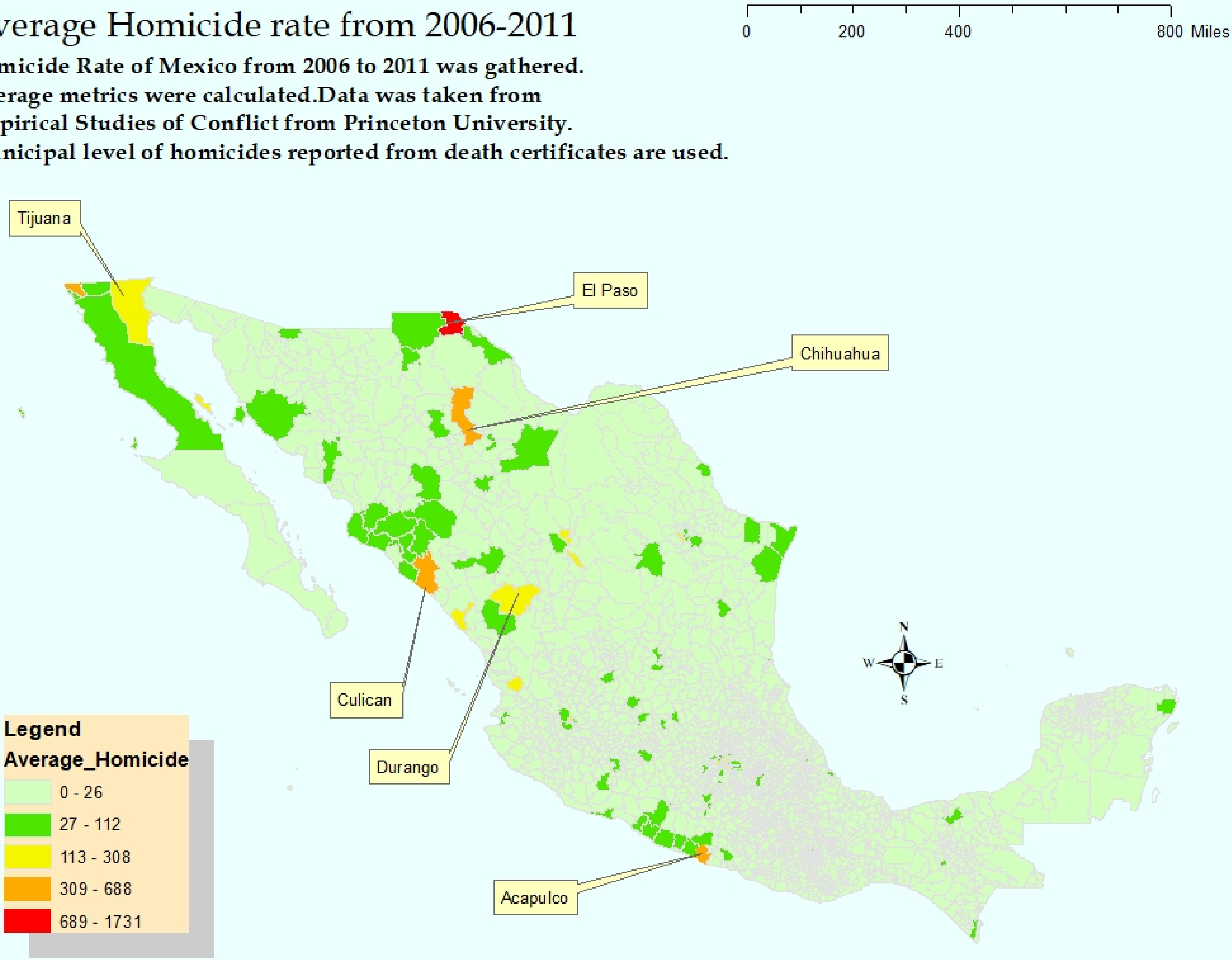
Malnutrition occurs when people do not have access to proper food and therefore can not obtain enough calories or nutrition to be healthy.Many countries are faced with higher than average malnutrition rates which leads to a higher mortalitly rate.

Data Sources: World Data, Map Library

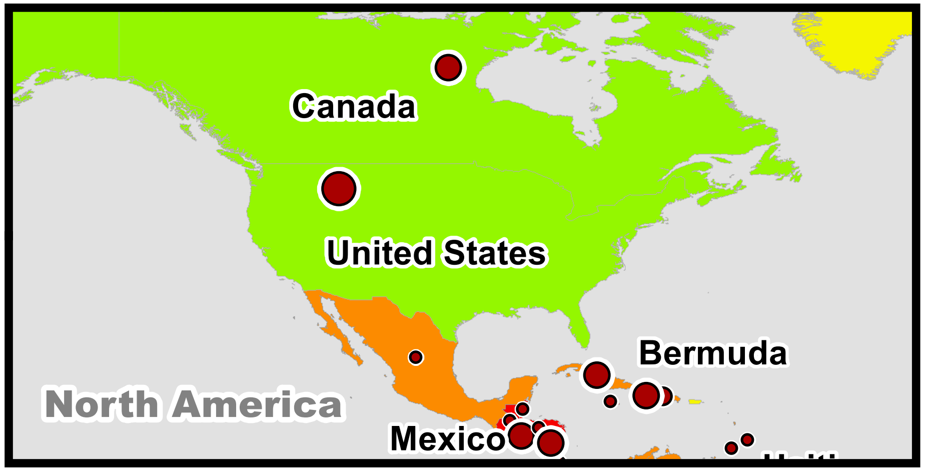
Map by Shruti Patel, Spring 2020

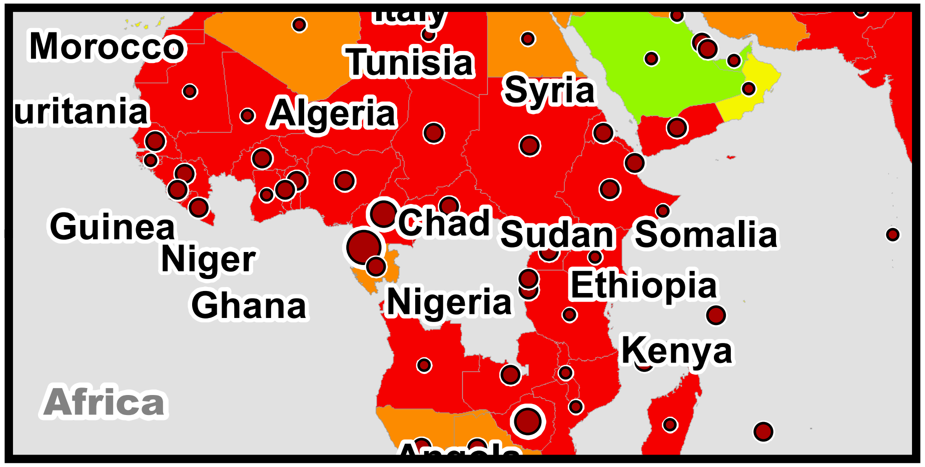
# Average Homicide rate from 2006-2011

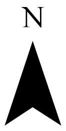
**Homicide Rate of Mexico from 2006 to 2011 was gathered. Average metrics were calculated.Data was taken from Empirical Studies of Conflict from Princeton University. Municipal level of homicides reported from death certificates are used.**

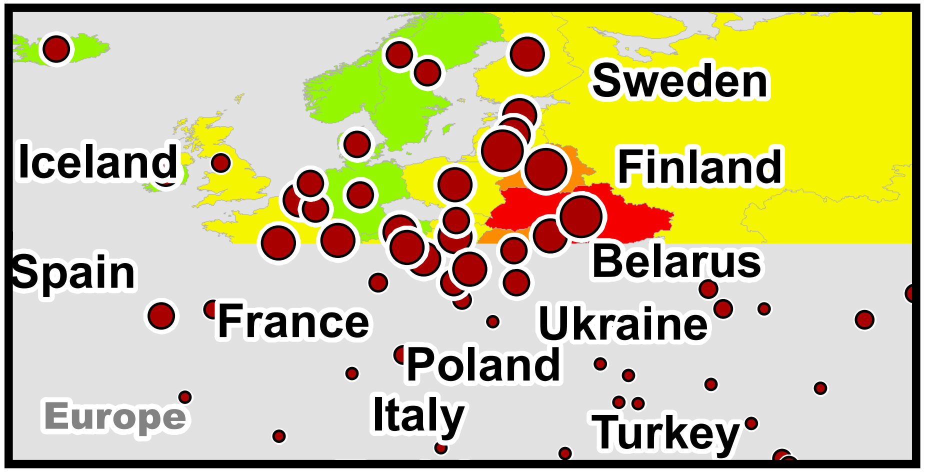

0
200
400
800 Miles
Tijuana
El Paso
Chihuahua
Culican
Durango
Acapulco
N
W
E
S
Legend
Average_Homicide
0 - 26
27 - 112
113 - 308
309 - 688
689 - 1731

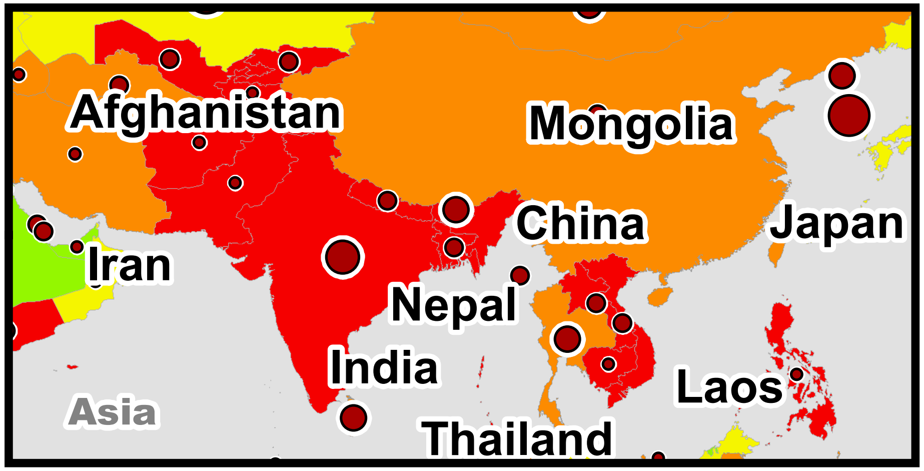
# Does Happiness Rely on Money?


Canada
United States
Bermuda
North America
Mexico


Morocco
Tunisia
Syria
uritania
Algeria
Guinea
Chad
Sudan
Somalia
Niger
Ethiopia
Ghana
Nigeria
Kenya
Africa




Sweden
Iceland
Finland
Belarus
Spain
France
Ukraine
Poland
Europe
Italy
Turkey


Afghanistan
Mongolia
China
Japan
Iran
Nepal
India
Laos
Asia
Thailand

**Suicide Rate**

**Deaths per 100,000**

- ● 0-5
- ● 5-10
- ● 10-15
- ● 15-20
- ● 20-31

**GDP per Capita**

**US Dollars**

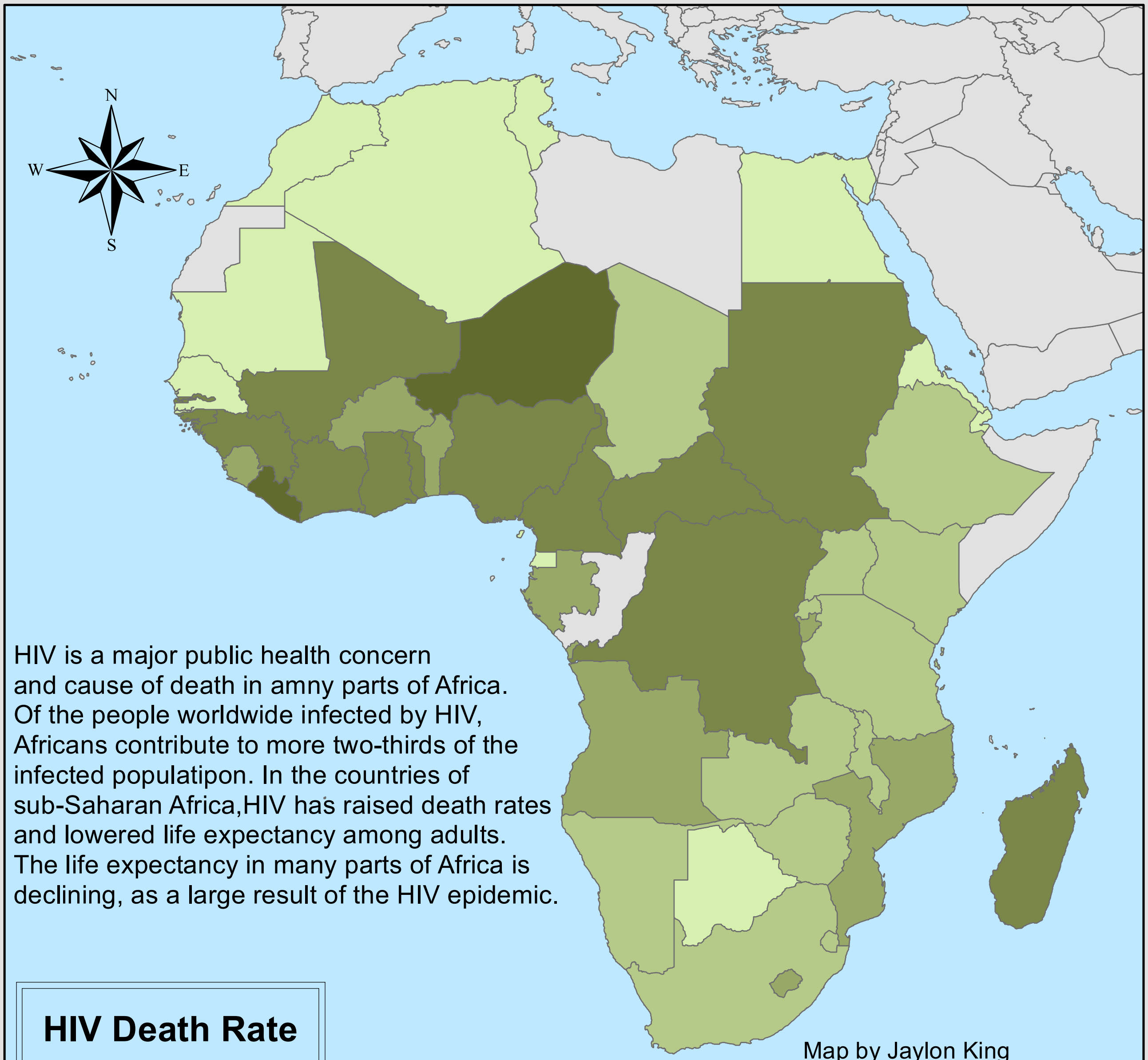
- 🟥 $700-1000
- 🟧 $1,000-25,000
- 🟨 $25,0000-50,000
- 🟩 $45,000-80,0000
- 🟩 >$80,000

0 1,400 2,800 5,600 Miles

Suicide Rate data was taken from the World Heath Organization and does not report all countries. On the map, this suicide rate is overlayed on the GDP per capita of the country (CIA.gov). One can compare the quality of the life of a citizen and the suicide rate in a country to answer the question- does money make you happy?

Created By: Zafir Sharif

# 2016 HIV Outbreak in Africa



HIV is a major public health concern
and cause of death in amny parts of Africa.
Of the people worldwide infected by HIV,
Africans contribute to more two-thirds of the
infected populatipon. In the countries of
sub-Saharan Africa,HIV has raised death rates
and lowered life expectancy among adults.
The life expectancy in many parts of Africa is
declining, as a large result of the HIV epidemic.

**HIV Death Rate**

🟩 <1%
🟩 1% - 3%
🟩 3% - 4%
🟩 4% - 6%
🟩 6% - 7%
⬜ Not Available

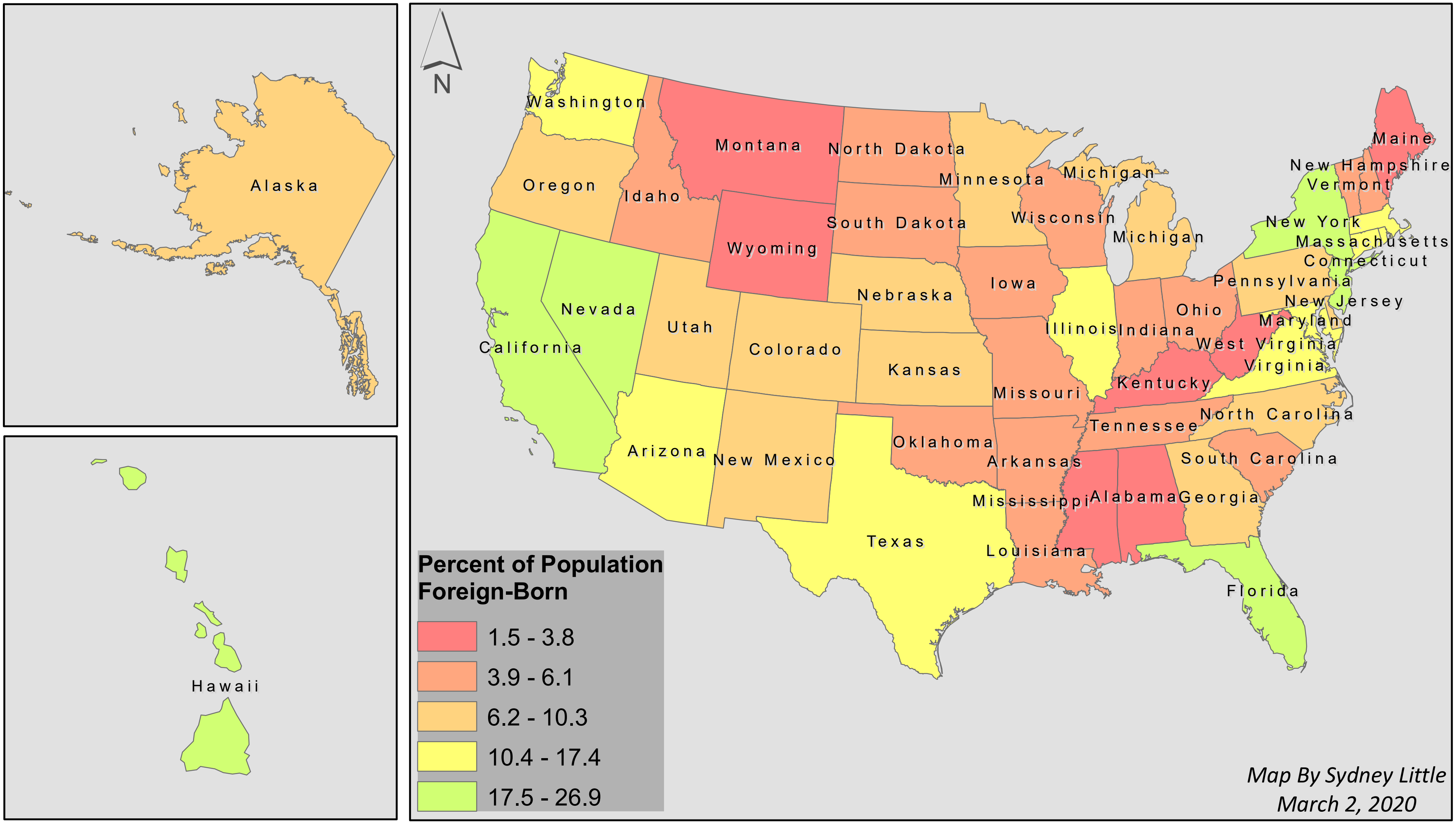
Map by Jaylon King

Vector Data Source: MGIS
Data World Country Boundaries

Tabular Data Source:
https://en.wikipedia.org/wiki/
List_of_countries_by_HIV/
AIDS_adult_prevalence_rate

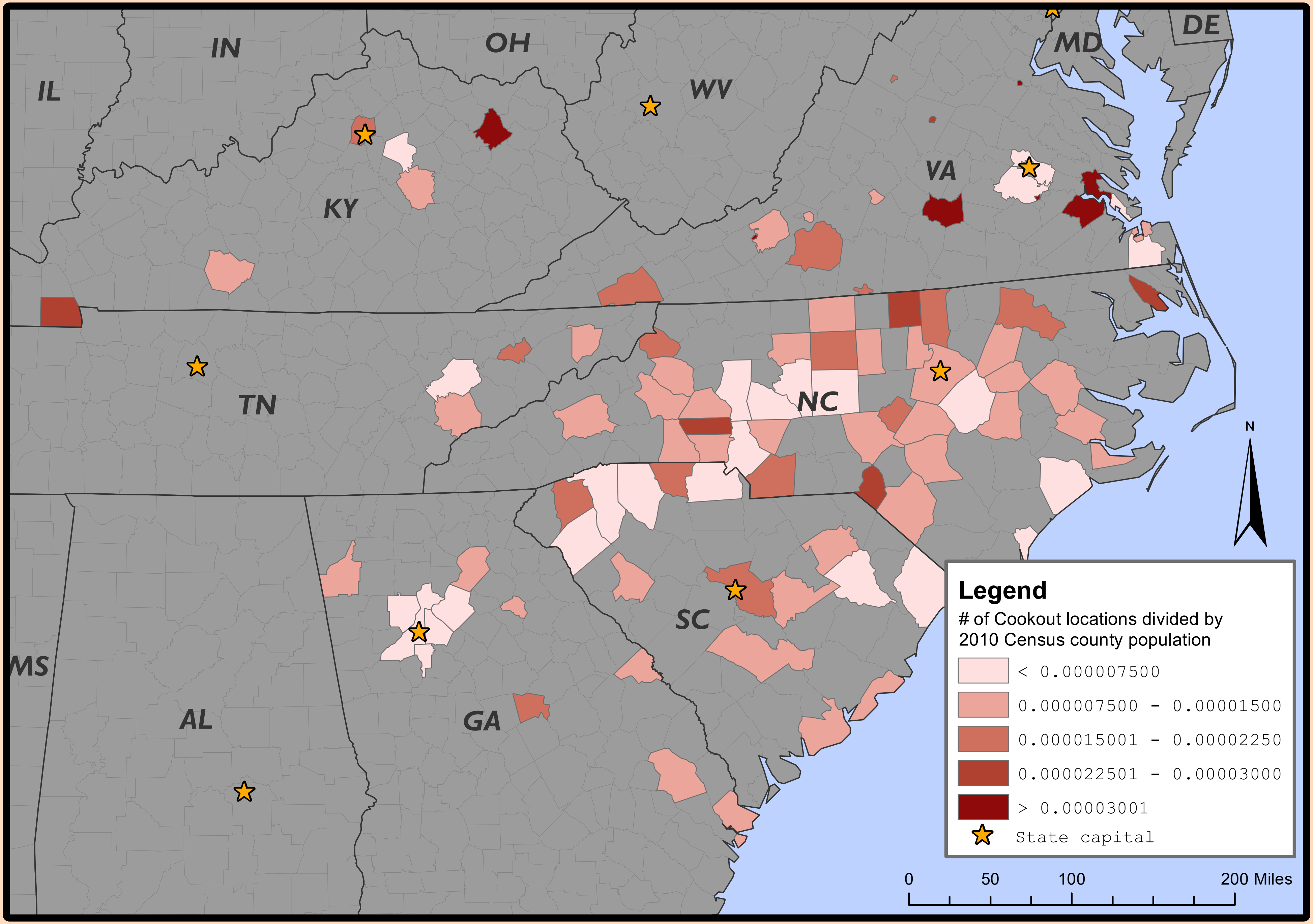
# Percentage of Foreign-Born Population by U.S. State in 2018

*This data, collected by the US Census Bureau in 2018 and released to the public in September 2018, represents the percentage of population who was born outside of the United States, by State.*
*13.7% of the national population is foreign-born.*
*Califronia comes out on top with 26.9% of its population foreign-born,*
*and West Virginia has the least with on 1.5% of its population foreign-born.*
*See how the rest of the states stack up below.*


Alaska
Hawaii
N
Washington
Oregon
California
Nevada
Idaho
Montana
Wyoming
Utah
Arizona
Colorado
New Mexico
North Dakota
South Dakota
Nebraska
Kansas
Oklahoma
Texas
Minnesota
Iowa
Missouri
Arkansas
Louisiana
Wisconsin
Michigan
Michigan
Illinois
Indiana
Ohio
Kentucky
Tennessee
Mississippi
Alabama
Georgia
Florida
South Carolina
North Carolina
Virginia
West Virginia
Maryland
New Jersey
Pennsylvania
New York
Connecticut
Massachusetts
Vermont
New Hampshire
Maine
Percent of Population Foreign-Born
🟥 1.5 - 3.8
🟧 3.9 - 6.1
🟧 6.2 - 10.3
🟨 10.4 - 17.4
🟩 17.5 - 26.9

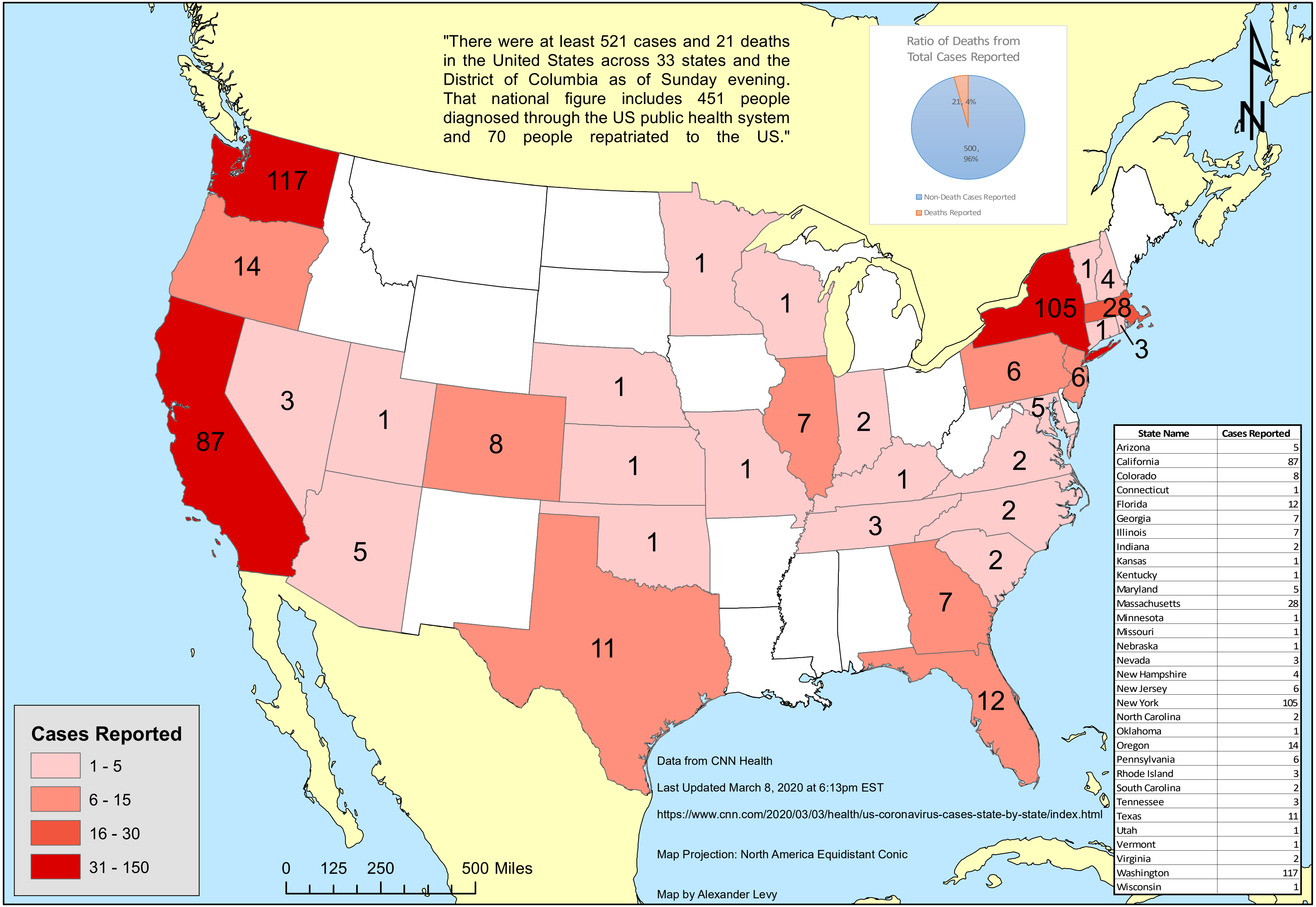
*Map By Sydney Little*
*March 2, 2020*

# COOKOUT Locations By County Per Capita


DE
MD
IN
OH
IL
WV
VA
KY
TN
NC
SC
MS
AL
GA
N
Legend
# of Cookout locations divided by 2010 Census county population
< 0.000007500
0.000007500 - 0.00001500
0.000015001 - 0.00002250
0.000022501 - 0.00003000
> 0.00003001
State capital
0
50
100
200 Miles

May by Robert Brown; Cookout data originally found on eatcookout.com & edited to include FIPS information; state & county data from usdata mgisdata directory

# COVID-19 Cases in the Continental United States


117
14
87
3
1
8
1
1
1
1
1
7
2
1
1
3
2
2
2
7
12
11
5
6
6
5
105
1
4
28
1
3
0
125
250
500 Miles
N

"There were at least 521 cases and 21 deaths in the United States across 33 states and the District of Columbia as of Sunday evening. That national figure includes 451 people diagnosed through the US public health system and 70 people repatriated to the US."

Ratio of Deaths from Total Cases Reported

21, 4%
500, 96%
Non-Death Cases Reported
Deaths Reported

**Cases Reported**

- 1 - 5
- 6 - 15
- 16 - 30
- 31 - 150

| State Name | Cases Reported |
|---|---|
| Arizona | 5 |
| California | 87 |
| Colorado | 8 |
| Connecticut | 1 |
| Florida | 12 |
| Georgia | 7 |
| Illinois | 7 |
| Indiana | 2 |
| Kansas | 1 |
| Kentucky | 1 |
| Maryland | 5 |
| Massachusetts | 28 |
| Minnesota | 1 |
| Missouri | 1 |
| Nebraska | 1 |
| Nevada | 3 |
| New Hampshire | 4 |
| New Jersey | 6 |
| New York | 105 |
| North Carolina | 2 |
| Oklahoma | 1 |
| Oregon | 14 |
| Pennsylvania | 6 |
| Rhode Island | 3 |
| South Carolina | 2 |
| Tennessee | 3 |
| Texas | 11 |
| Utah | 1 |
| Vermont | 1 |
| Virginia | 2 |
| Washington | 117 |
| Wisconsin | 1 |

Data from CNN Health

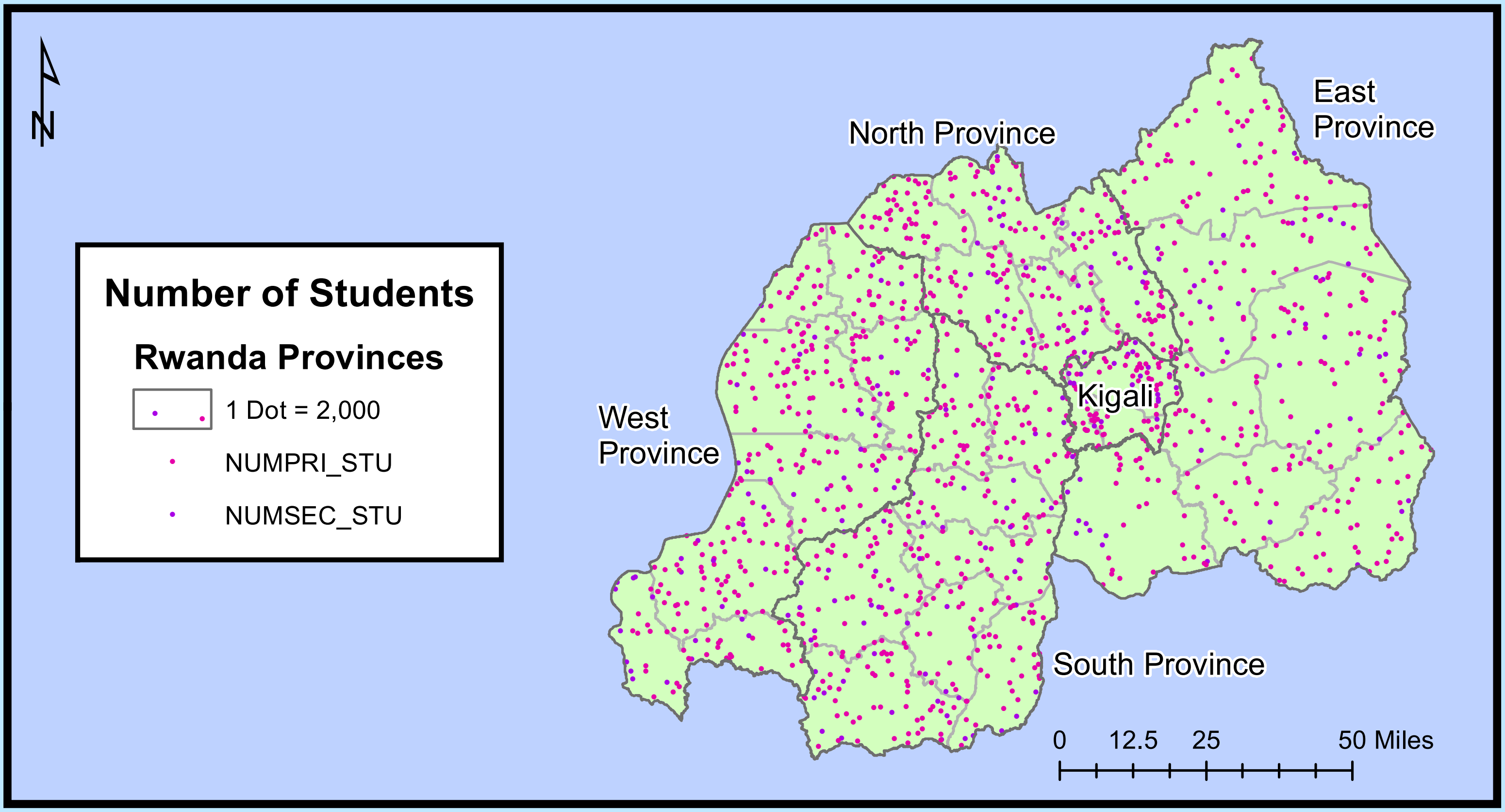
Last Updated March 8, 2020 at 6:13pm EST

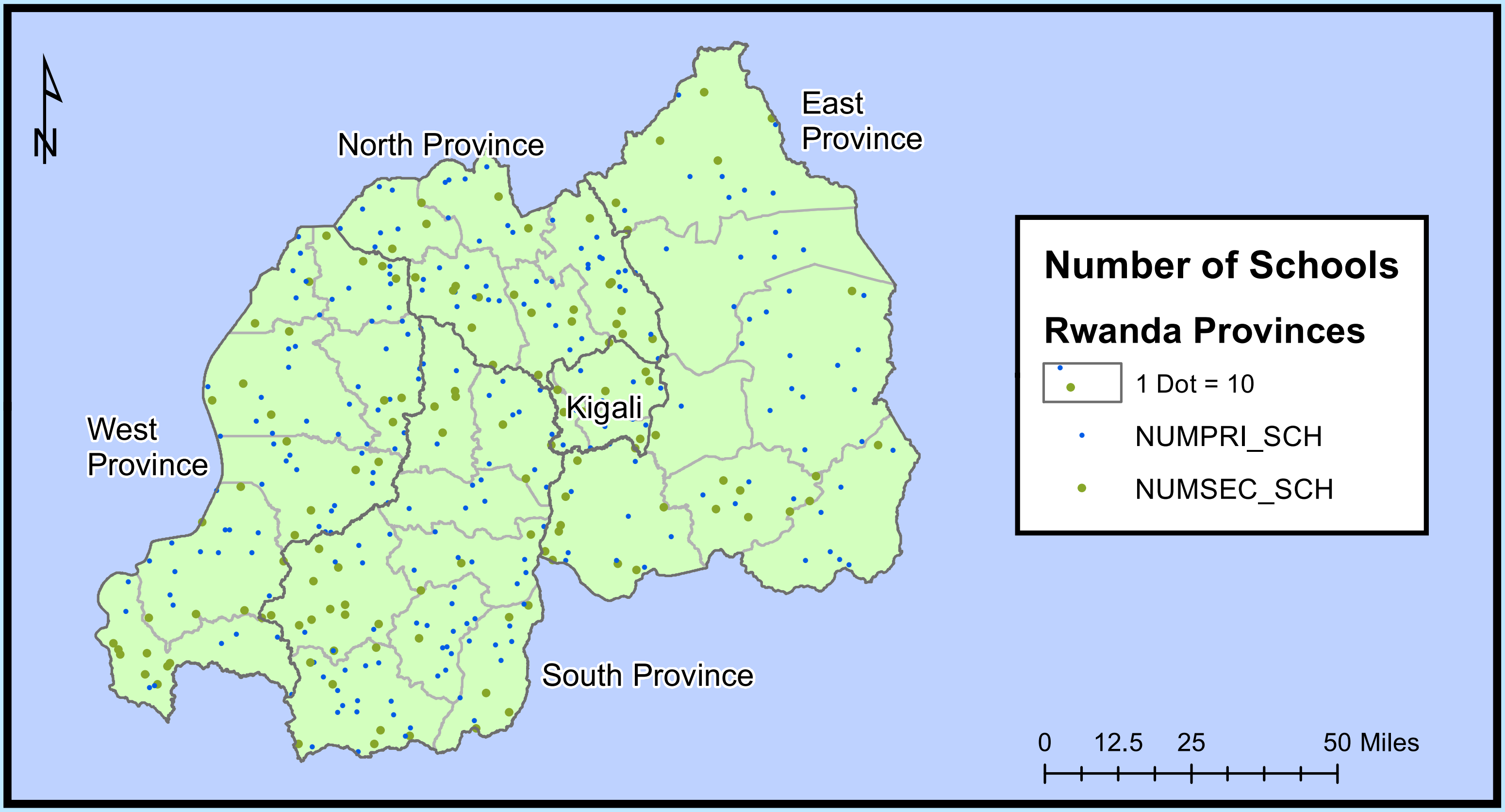
https://www.cnn.com/2020/03/03/health/us-coronavirus-cases-state-by-state/index.html

Map Projection: North America Equidistant Conic

Map by Alexander Levy

# Education in Rwanda 2010

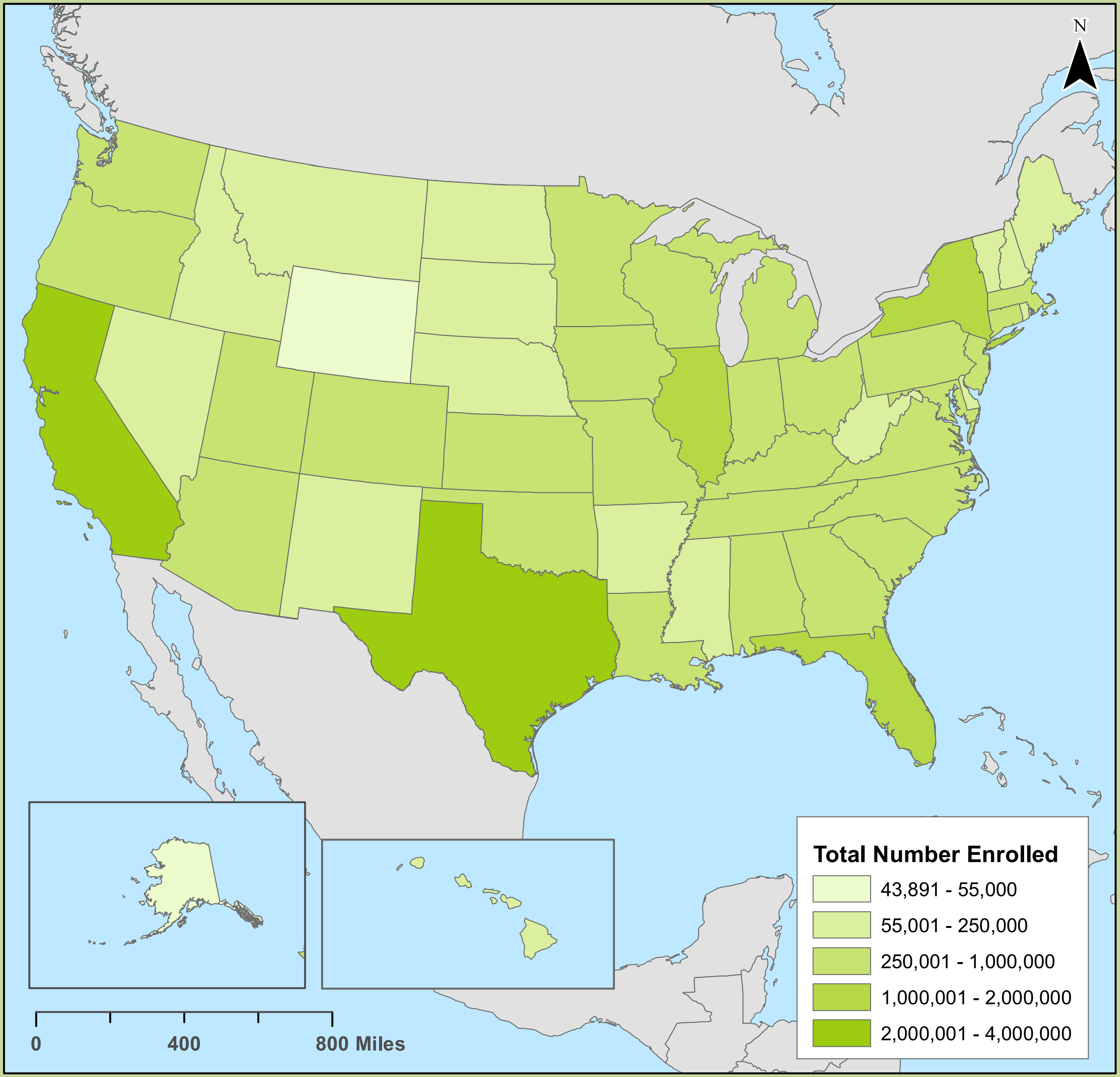

N
Number of Students
Rwanda Provinces
1 Dot = 2,000
NUMPRI_STU
NUMSEC_STU
North Province
East Province
West Province
Kigali
South Province
0
12.5
25
50 Miles


N
North Province
East Province
West Province
Kigali
South Province
Number of Schools
Rwanda Provinces
1 Dot = 10
NUMPRI_SCH
NUMSEC_SCH
0
12.5
25
50 Miles

The Ministry of Education has had success over the years in increasing education for students in Rwanda. The literacy rate moved up from 58% in 1991 to 71% in 2009. The number of Rwandans admitted to school have increased between 2001 and 2008; however, improvement in facilities is not advancing at the same rate.

Data Source: Education Statistics of Rwanda https://rwanda.opendataforafrica.org/ Map By: Soniya Bhagat

# Number of College Students in Each U.S. State


N
Total Number Enrolled
43,891 - 55,000
55,001 - 250,000
250,001 - 1,000,000
1,000,001 - 2,000,000
2,000,001 - 4,000,000
0
400
800 Miles

## Top 10 States with the Largest Number of Students Enrolled

| State | Total |
|---|---|
| California | 3,727,266 |
| Texas | 2,209,555 |
| New York | 1,627,433 |
| Florida | 1,515,825 |
| Illinois | 1,098,714 |
| Pennsylvania | 886,031 |
| Arizona | 853,834 |
| Ohio | 853,560 |
| Virginia | 713,755 |
| North Carolina | 712,094 |

According to the National Center for Education Statistics, in year 2017-2018, the number of students enrolled in postsecondary institutions was over 26,000,000 based on over 6,132 institutions. During the 2019-2020 academic year, colleges and universites are expected to award 1,975,000 bachelor's degrees.

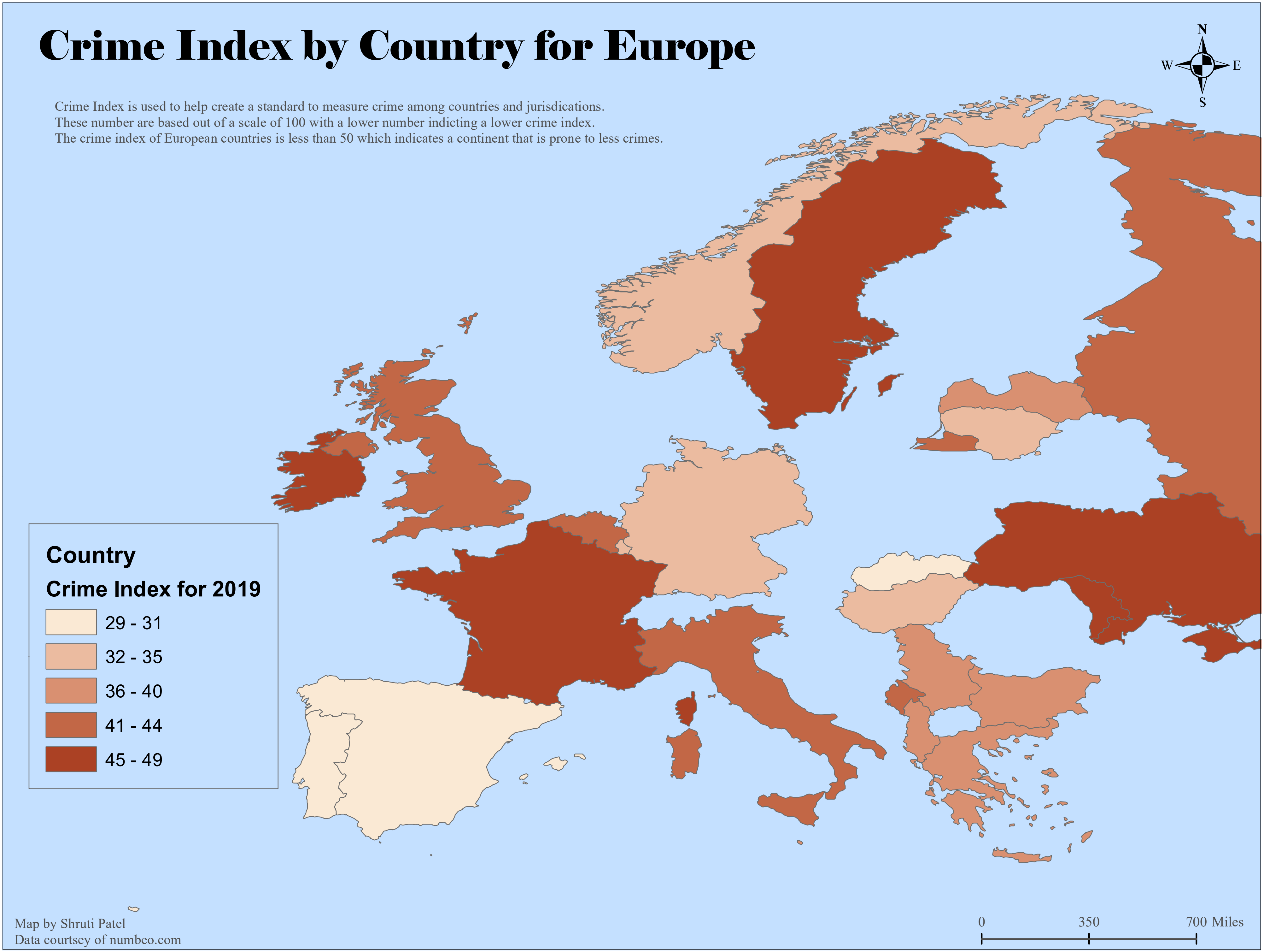
Map Projection of Contiguous U.S. :
USA Contiguous Equidistant Conic
Map Projection of Alaska :
Alaska Albers Equal Area Conic
Map Projection of Hawaii :
Hawaii Albers Equal Area Conic

Tabular Data Source :
National Center for Education Statistics
https://nces.ed.gov/ipeds/TrendGenerator/app/build-table/2/2?rid=6&cid=13

Vector Data Source :
MGIS Data States and MGIS Data Countries
Map Created by Erin Abbott

# Crime Index by Country for Europe

Crime Index is used to help create a standard to measure crime among countries and jurisdications.
These number are based out of a scale of 100 with a lower number indicting a lower crime index.
The crime index of European countries is less than 50 which indicates a continent that is prone to less crimes.

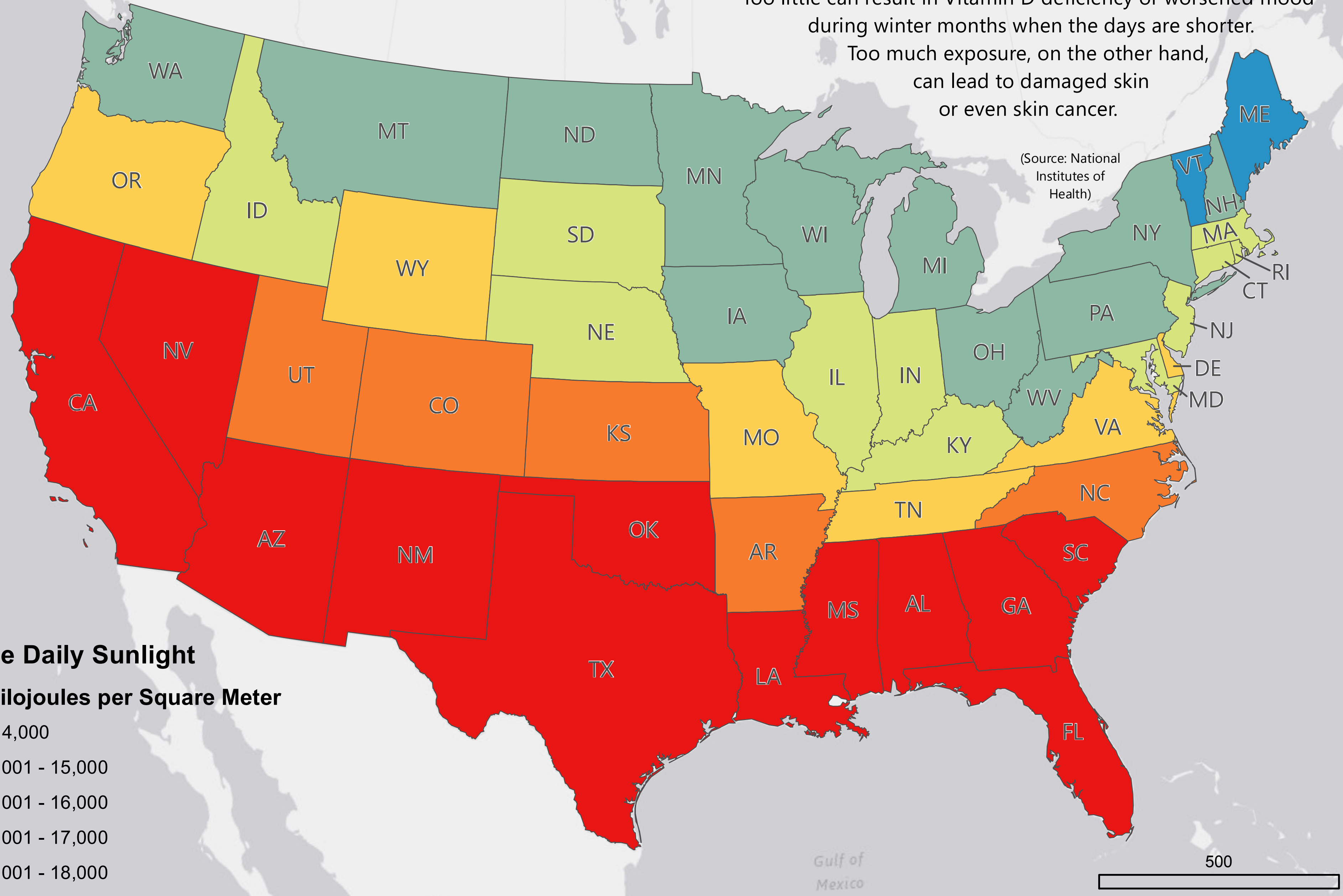

N
W
E
S
Country
Crime Index for 2019
29 - 31
32 - 35
36 - 40
41 - 44
45 - 49
0
350
700 Miles

Map by Shruti Patel
Data courtsey of numbeo.com

# Average Daily Sunlight in the United States

**How it affects us:** Exposure to sunlight can have a variety of effects on human health. Too little can result in Vitamin D deficiency or worsened mood during winter months when the days are shorter. Too much exposure, on the other hand, can lead to damaged skin or even skin cancer.

(Source: National Institutes of Health)



WA
OR
CA
ID
NV
MT
WY
UT
AZ
CO
NM
ND
SD
NE
KS
OK
TX
MN
IA
MO
AR
LA
WI
IL
MS
MI
IN
KY
TN
AL
OH
GA
FL
WV
VA
NC
SC
PA
NY
VT
NH
ME
MA
RI
CT
NJ
DE
MD
Gulf of Mexico
MÉXICO
CUBA
Gulf of Lawre
500
Miles

## Average Daily Sunlight

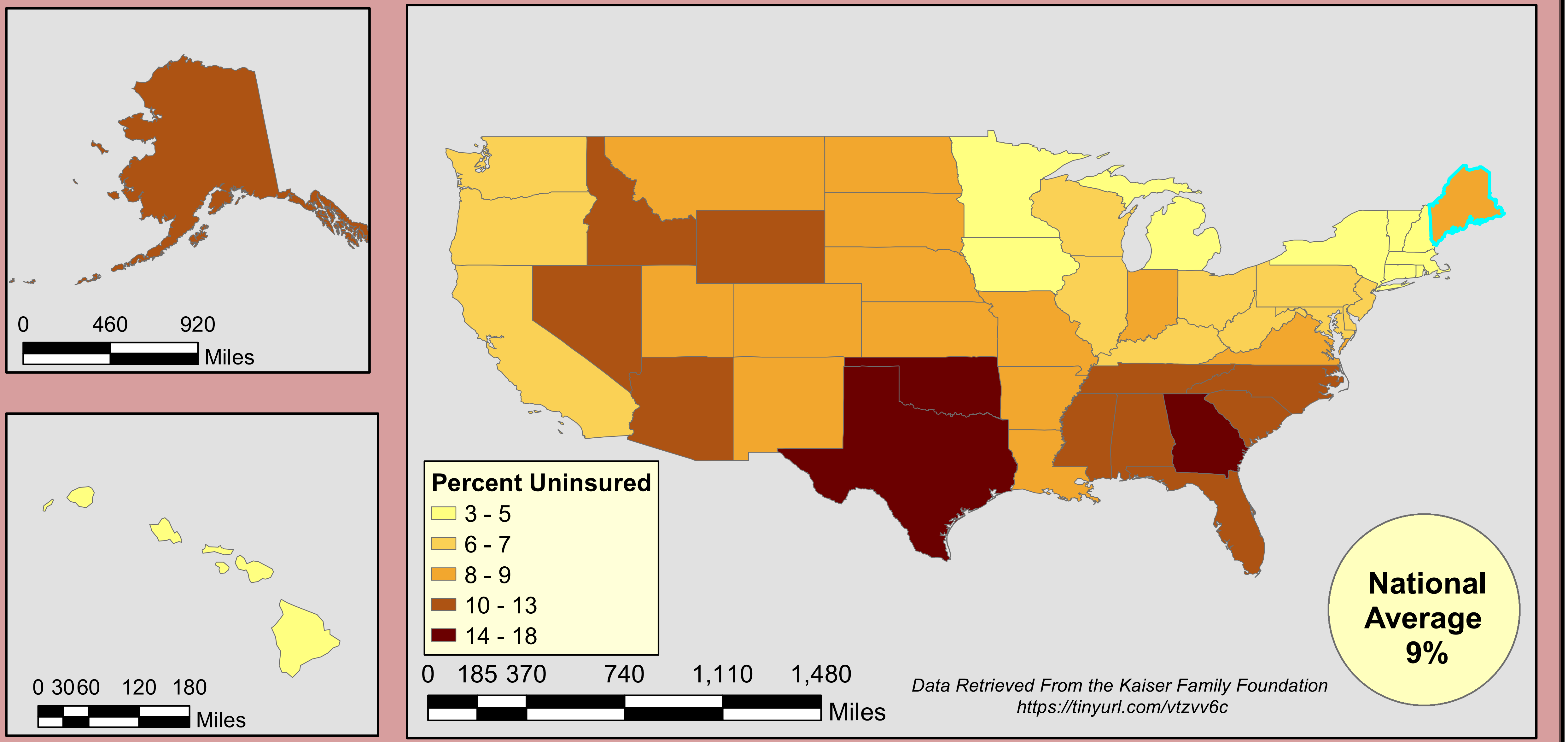
**Units: Kilojoules per Square Meter**

- 🟦 < 14,000
- 🟩 14,001 - 15,000
- 🟨 15,001 - 16,000
- 🟨 16,001 - 17,000
- 🟧 17,001 - 18,000
- 🟥 > 18,000

Sunlight data courtesy of wonder.cdc.gov

Map by: Jennifer Goldberg

Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community


0
460
920
Miles
0 30 60 120 180
Miles
Percent Uninsured
3 - 5
6 - 7
8 - 9
10 - 13
14 - 18
0 185 370 740 1,110 1,480
Miles

National Average 9%

*Data Retrieved From the Kaiser Family Foundation*
*https://tinyurl.com/vtzvv6c*

# Percent No Health Insurance by State

# 2018 Heart Disease Mortality by State

Olympia
Salem
Helena
Bismarck
Boise City
Pierre
St. Paul
Augusta
Montpelier
Concord
Boston
Albany
Hartford
Madison
Lansing
Carson
Sacramento
Salt Lake City
Cheyenne
Lincoln
Des Moines
Harrisburg
Trenton
Annapolis
Dover
Denver
Springfield
Indianapolis
Columbus
Charleston
Topeka
Jefferson City
Frankfort
Richmond
Raleigh
Santa Fe
Nashville
Oklahoma City
Little Rock
Columbia
Phoenix
Atlanta
Jackson
Montgomery
Tallahassee
Austin
Baton Rouge
Heart Disease Deaths
815 - 3,940
3,950 - 8,410
8,420 - 16,400
16,500 - 32,800
32,900 - 62,500
0
100
200
400
600
800
Miles

*According to MayoClinic, Heart Disease describes a range of conditions that affect your heart such as blood vessel diseases, coronery arterty disease, heart arrhythmias, and heart defects. Most of these diseases can cause some level of life threatening conditions resulting in many casualties each year. This map shows the varying density of casualties due to Heart Disease in the United States.*

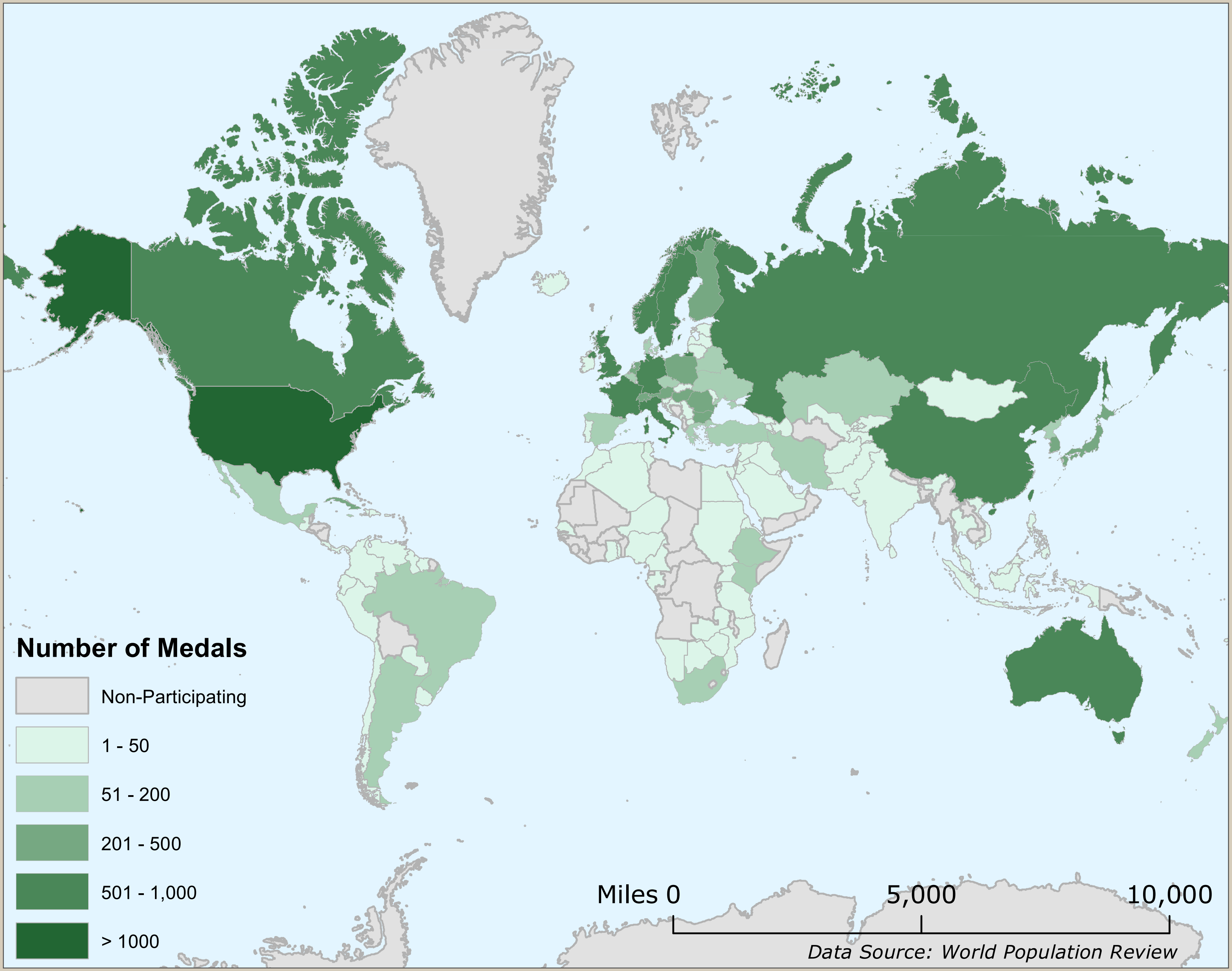
Map Projection: North America Equidistant Conic

Vector Data Source: MGIS Data USA States, Cities

Tabular Data Source: https://www.cdc.gov/nchs/pressroom/sosmap/heart_disease_montality/heart_disease.htm

# Olympic Medals by Country

*Number of medals won by participating countries since the first modern Olympic games in 1896*



*Data Source: World Population Review*

*From Britannica:*

The number of medals shown in this map are from the first modern Olympic Games in 1896 to the most recent PyeongChang 2018 winter games hosted by South Korea. 14 countries participated in the first 1896 modern games. In the most recent Olympics and has expanded to a record number of 205 national committees at the Rio Summer Olympics in 2016. National committees consist of countries and territories.

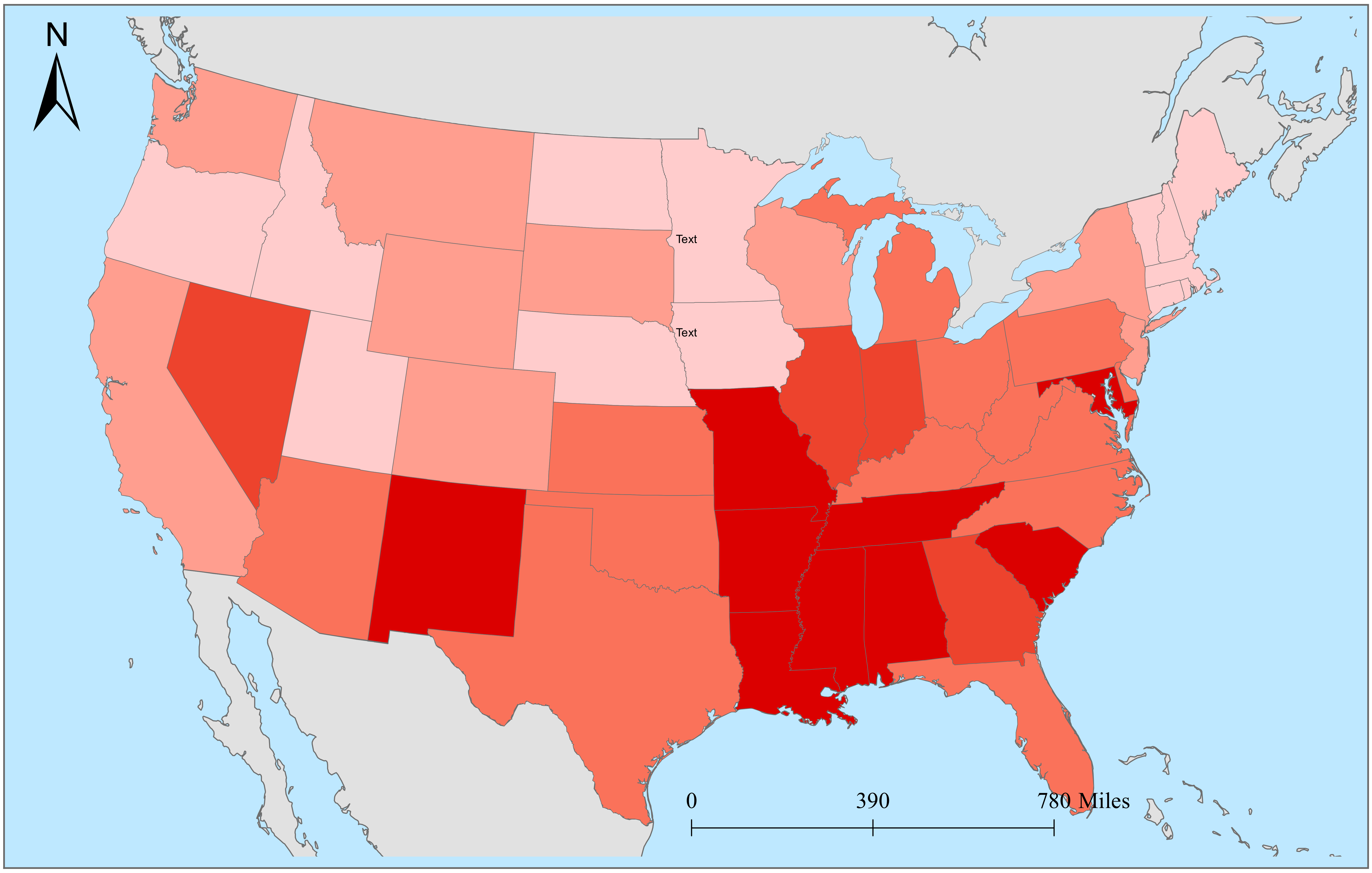
### Countries with the Most Medals

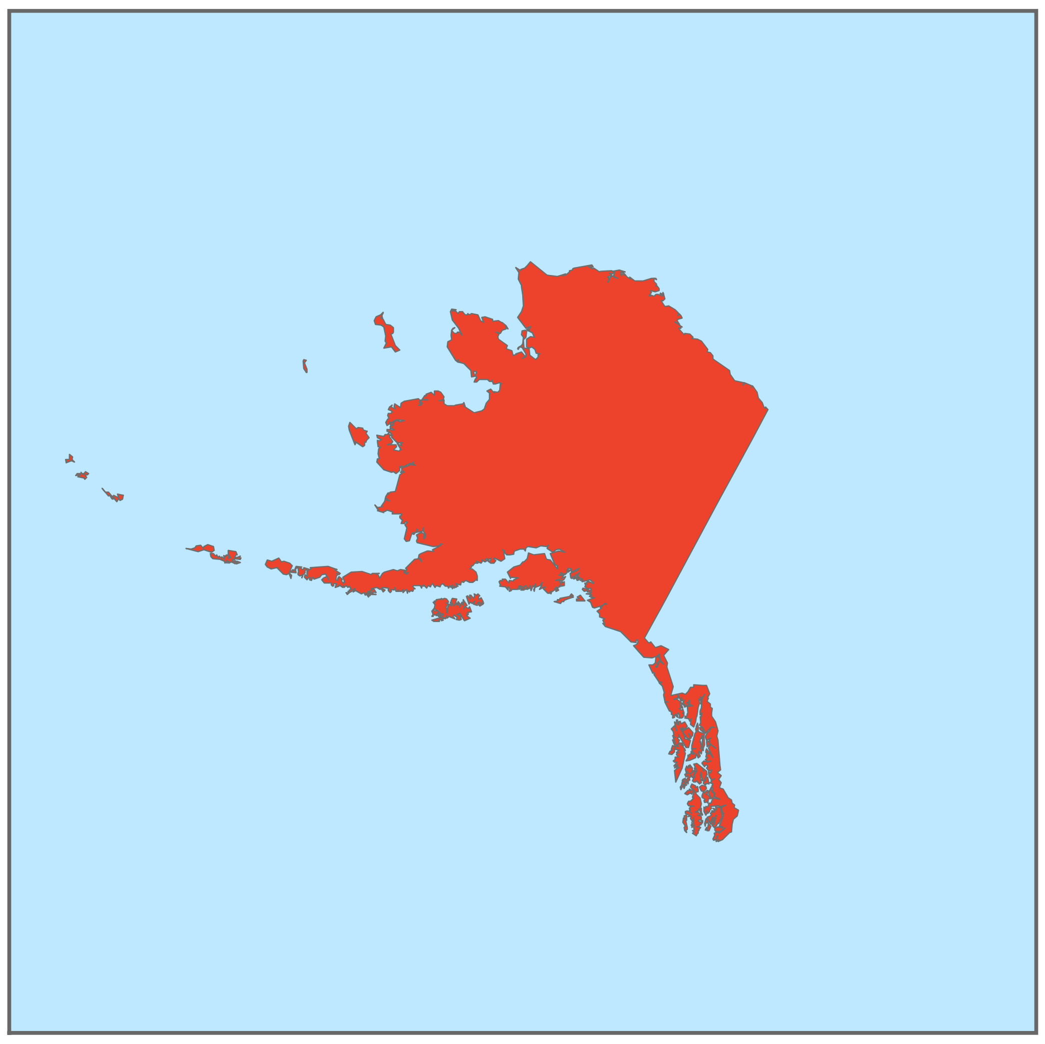
| Country | Medals |
|---|---|
| United States | 2827 |
| United Kingdom | 883 |
| Germany | 855 |
| France | 840 |
| Italy | 701 |
| Sweden | 652 |
| China | 608 |
| Russia | 546 |
| Norway | 520 |
| Australia | 512 |

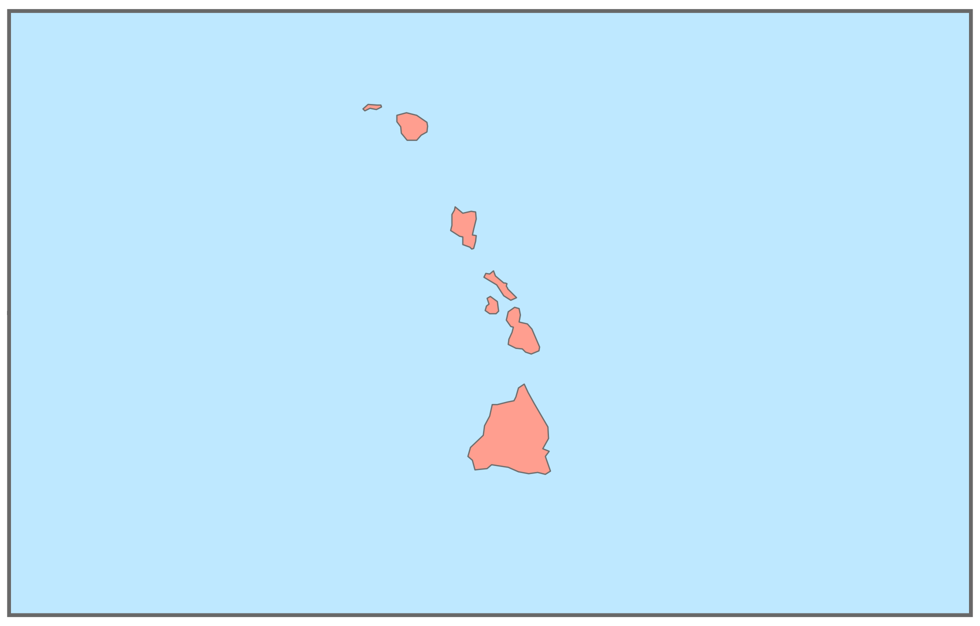
*Map by Katie Popp*

# Homicide Rates by State

This map displays the homicide mortality (deaths per 100,000 people) by state in the United States. The data was retrieved from the CDC Wonder National Center for Health Statistics, and it has been adjusted for differences in age distribution.







The table (right) shows the 10 states with the highest homicide rates in the United States. Mississippi is the state with the highest homicide rate (13.4 deaths per 100,000 people).

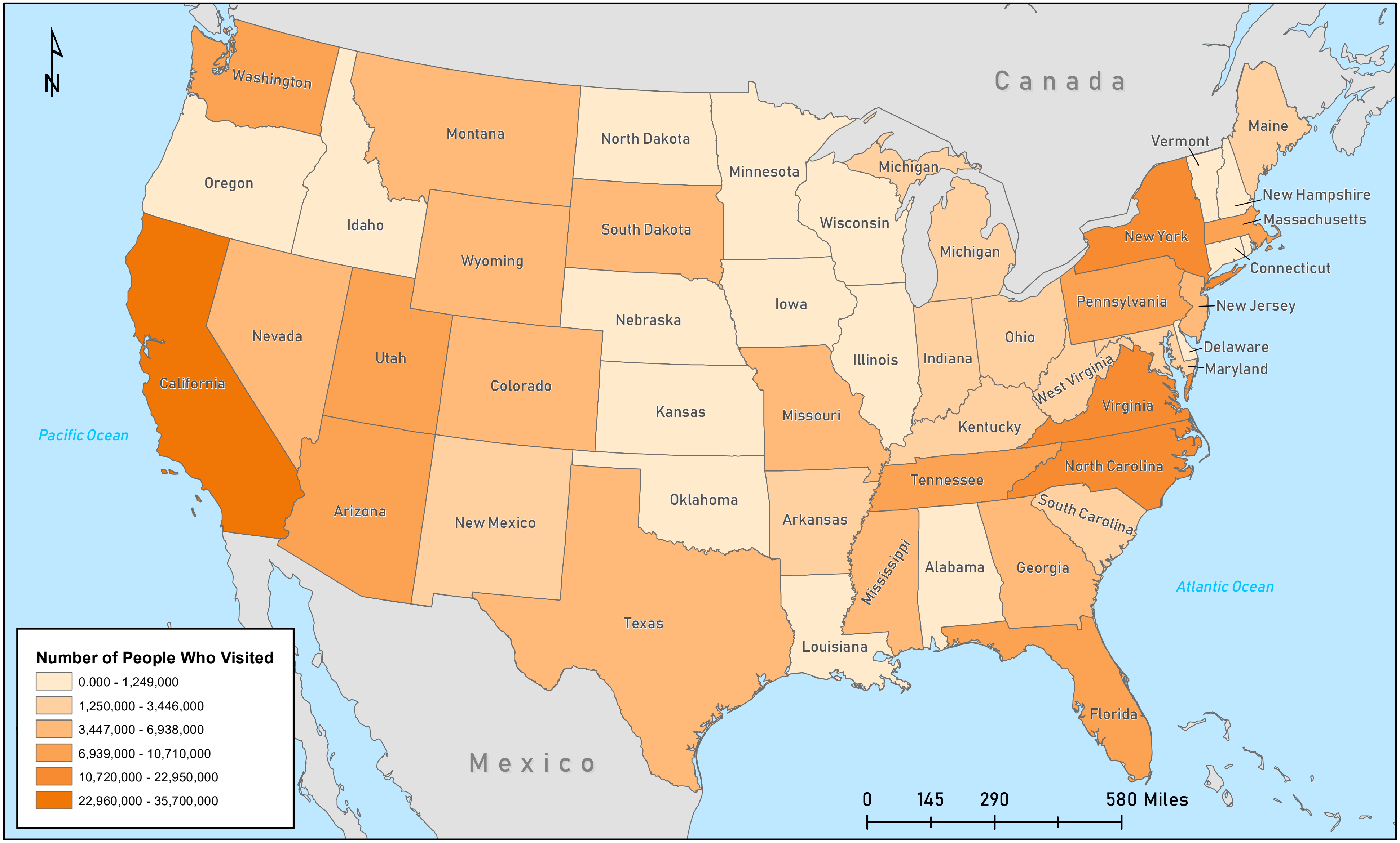
| State | Death Rate (Deaths/100,000 People) |
|---|---|
| MS | 13.4 |
| LA | 13.3 |
| AL | 12.2 |
| MO | 11.4 |
| NM | 10.8 |
| SC | 10.2 |
| MD | 9.3 |
| TN | 9.2 |
| AR | 9.1 |
| IL | 8 |

**Legend**

**Homicide Rates in the US Deaths/100,000 People**
- 🟥 0.0 - 3.0
- 🟥 3.1 - 5.0
- 🟥 5.1 - 7.0
- 🟥 7.1 - 9.0
- 🟥 9.1 - 14

***Map by: Olivia Mast***
***Data Source: CDC Wonder National Center for Health Statistics Database***

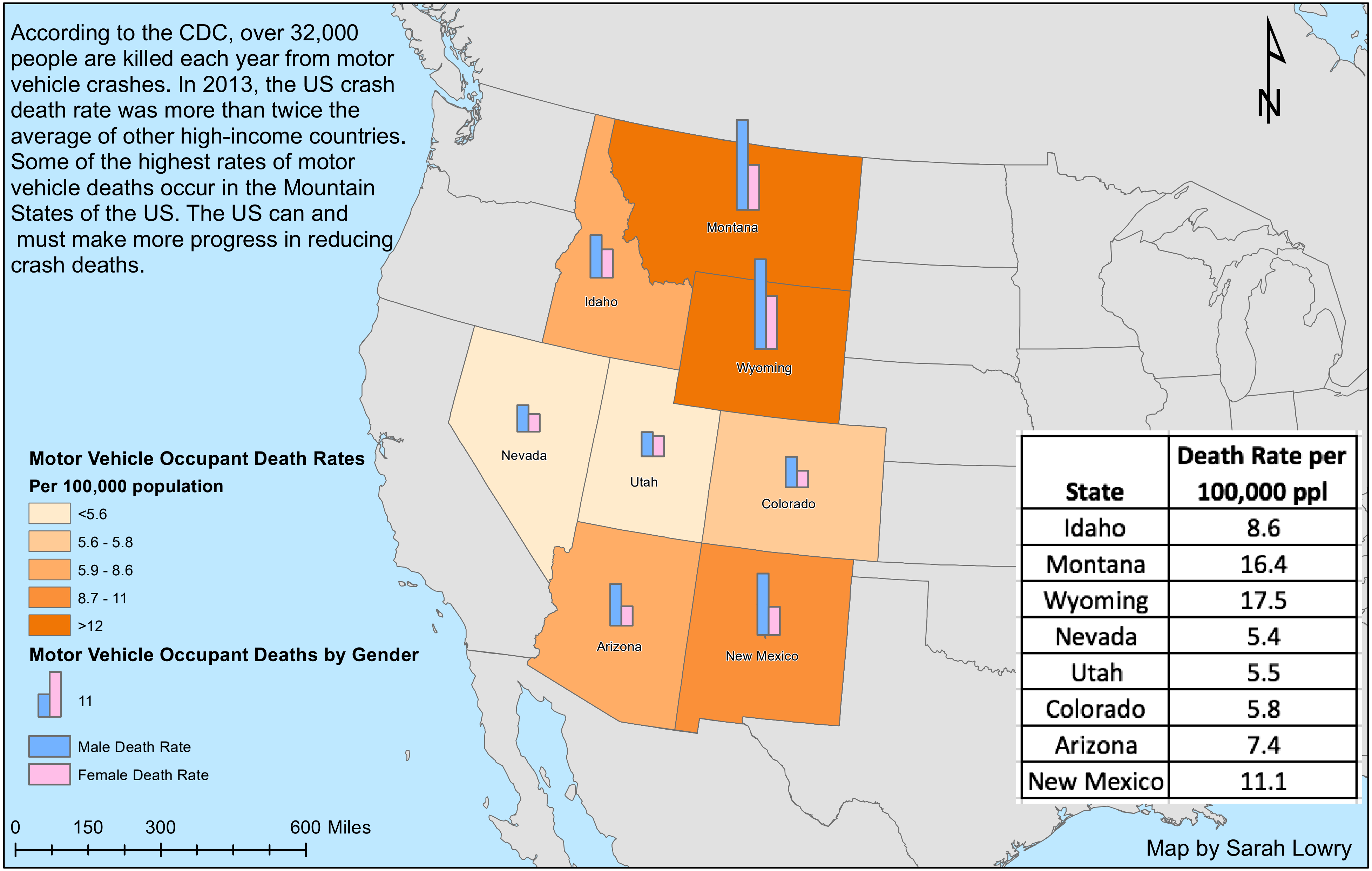
# Recreational Visits to National Parks in Continental U.S. in 2009


N
Canada
Mexico
Pacific Ocean
Atlantic Ocean
Washington
Oregon
California
Idaho
Nevada
Montana
Wyoming
Utah
Arizona
Colorado
New Mexico
North Dakota
South Dakota
Nebraska
Kansas
Oklahoma
Texas
Minnesota
Iowa
Missouri
Arkansas
Louisiana
Wisconsin
Illinois
Michigan
Michigan
Indiana
Ohio
Kentucky
Tennessee
Mississippi
Alabama
Georgia
Florida
South Carolina
North Carolina
Virginia
West Virginia
Pennsylvania
New York
Vermont
Maine
New Hampshire
Massachusetts
Connecticut
New Jersey
Delaware
Maryland
Number of People Who Visited
0.000 - 1,249,000
1,250,000 - 3,446,000
3,447,000 - 6,938,000
6,939,000 - 10,710,000
10,720,000 - 22,950,000
22,960,000 - 35,700,000
0
145
290
580 Miles

Map by Michelle Ortega
Vector Data Source: MGIS World and USA Data
Tabular Data Source: Table 1253. National Park Service (NPS)
Visits and Acreage by State: 2009
ftp://ftp.census.gov/library/publications/2010/compendia/statab/130ed/tables/11s1253.pdf

From U.S. National Park Service:
A visit represents a person entering a national park for recreational purposes. This excludes any government personnel, commuters, or people who reside within the park boundaries. There were a total of 283,654,947 recreational visits to all U.S. National Parks in 2009.

# Motor Vehicle Occupant Death Rates in the Mountain States



According to the CDC, over 32,000 people are killed each year from motor vehicle crashes. In 2013, the US crash death rate was more than twice the average of other high-income countries. Some of the highest rates of motor vehicle deaths occur in the Mountain States of the US. The US can and must make more progress in reducing crash deaths.

Montana
Idaho
Wyoming
Nevada
Utah
Colorado
Arizona
New Mexico
N
Motor Vehicle Occupant Death Rates
Per 100,000 population
<5.6
5.6 - 5.8
5.9 - 8.6
8.7 - 11
>12
Motor Vehicle Occupant Deaths by Gender
11
Male Death Rate
Female Death Rate
0
150
300
600 Miles

| State | Death Rate per 100,000 ppl |
|---|---|
| Idaho | 8.6 |
| Montana | 16.4 |
| Wyoming | 17.5 |
| Nevada | 5.4 |
| Utah | 5.5 |
| Colorado | 5.8 |
| Arizona | 7.4 |
| New Mexico | 11.1 |

Map by Sarah Lowry

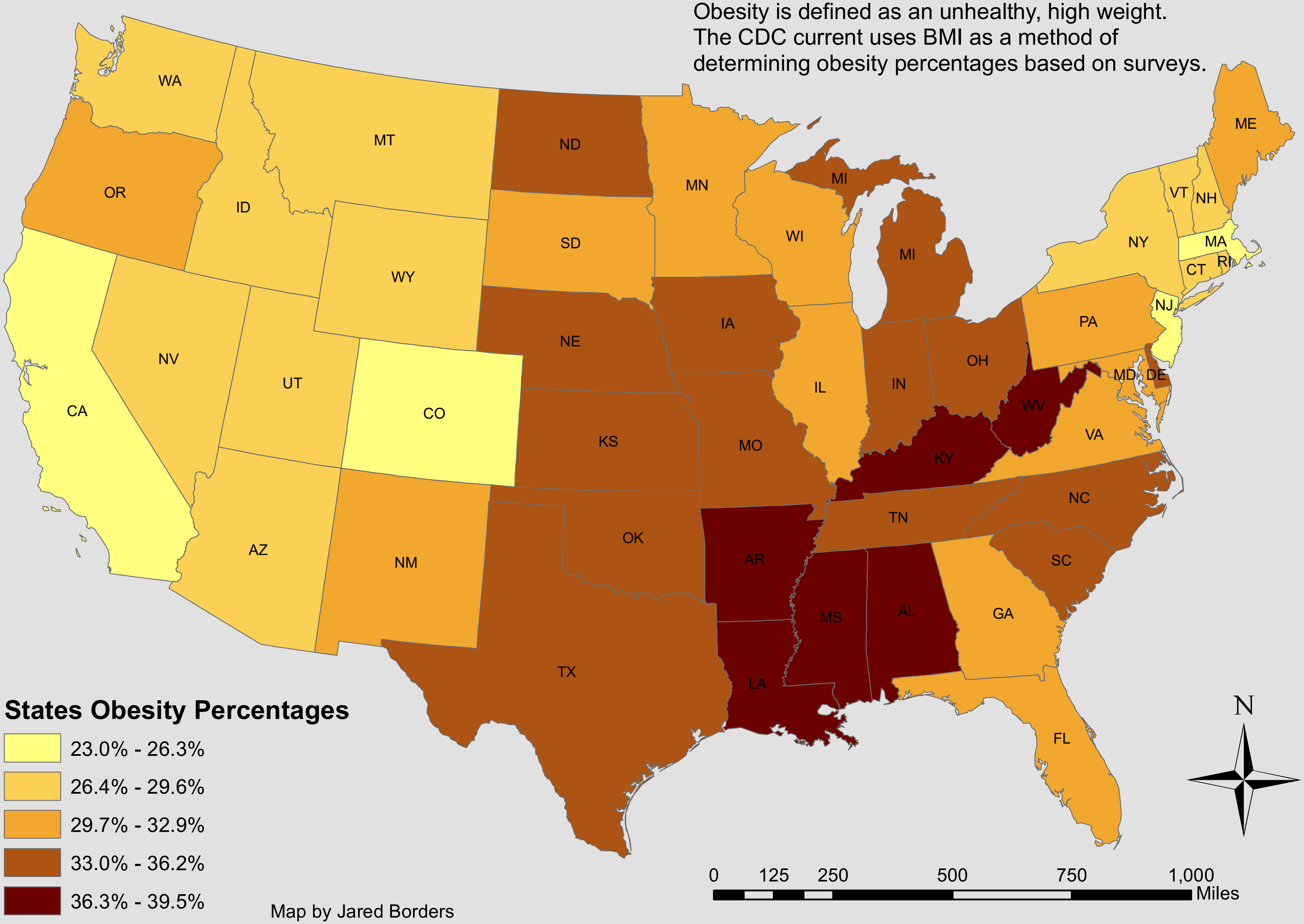
Map Projection: North American Equidistant Conic

Vector Data Sources: MGIS Data World Country Boundaries,
USA State Boundaries

Tabular Data Source:
https://www.cdc.gov/motorvehiclesafety/states/occupant_death_rate.html

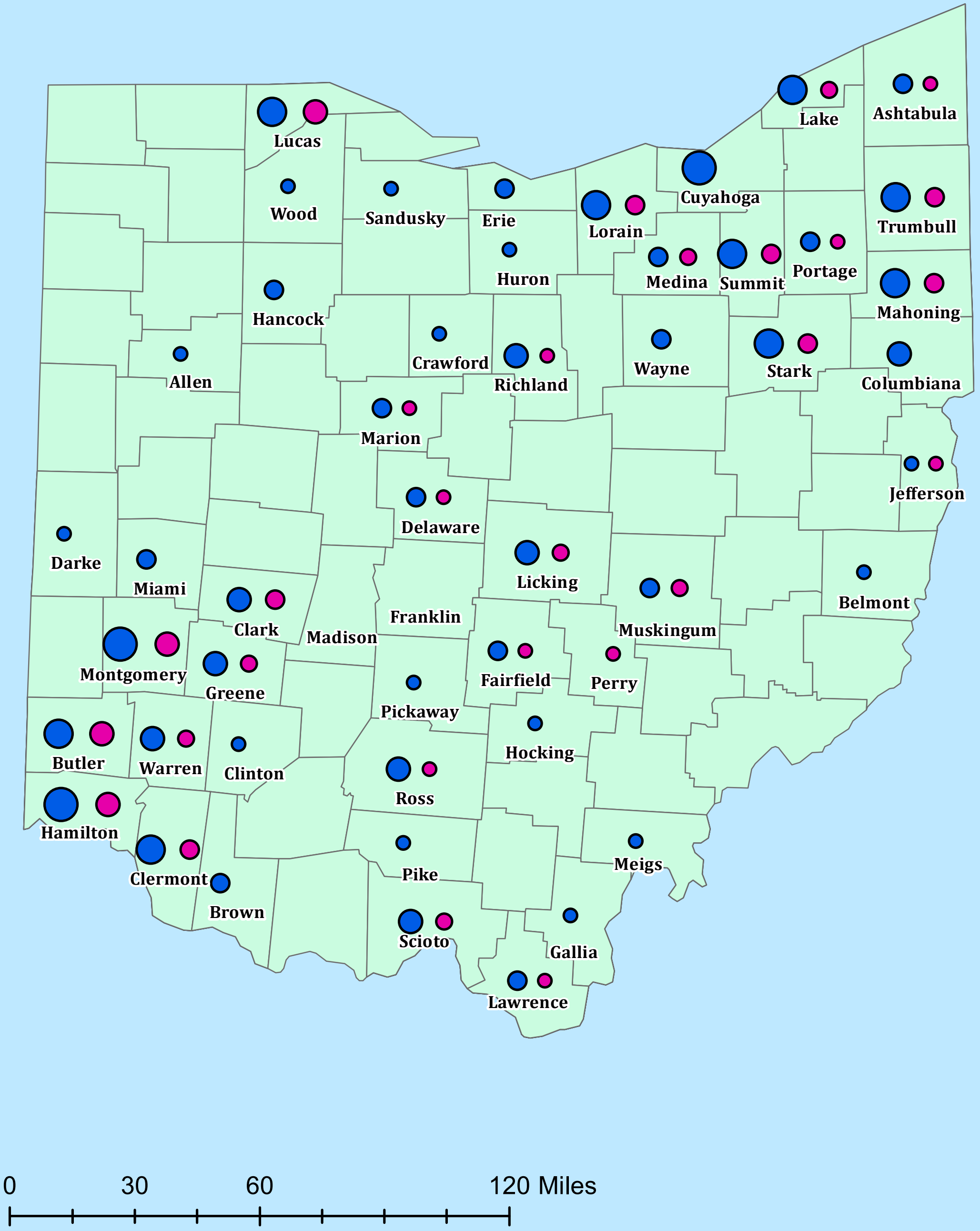
# Obesity Percentages of Lower 48 States

Obesity is defined as an unhealthy, high weight.
The CDC current uses BMI as a method of
determining obesity percentages based on surveys.

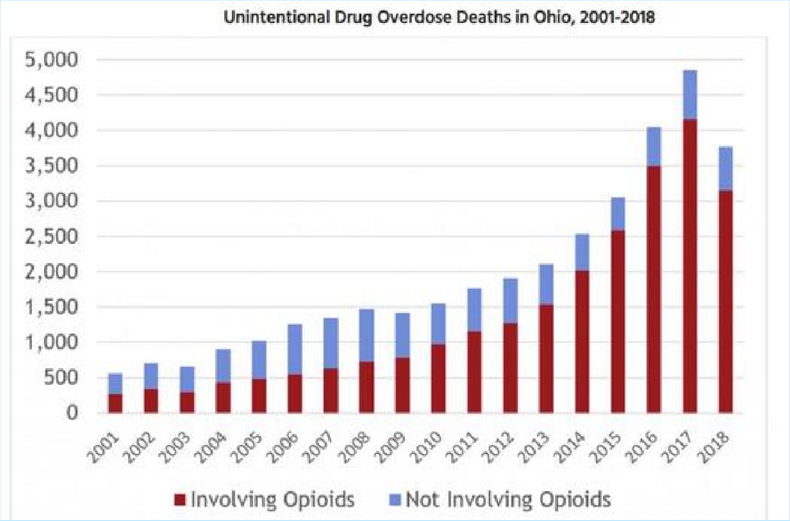

WA
MT
ND
MN
ME
OR
ID
MI
VT
NH
SD
WI
NY
MA
WY
MI
CT
RI
NJ
IA
PA
NE
NV
OH
MD
DE
UT
CA
IL
IN
WV
CO
KS
MO
VA
KY
NC
TN
OK
AR
SC
AZ
NM
MS
AL
GA
TX
LA
FL
N
States Obesity Percentages
23.0% - 26.3%
26.4% - 29.6%
29.7% - 32.9%
33.0% - 36.2%
36.3% - 39.5%
0
125
250
500
750
1,000
Miles

Map by Jared Borders
Data Source: MGIS USA Data - Vector and the CDC - Tabular (https://www.cdc.gov/obesity/data/prevalence-maps.html)

# *Ohio Drug Related Deaths by Gender*


Lucas
Wood
Sandusky
Erie
Huron
Lorain
Cuyahoga
Lake
Ashtabula
Trumbull
Portage
Summit
Medina
Mahoning
Hancock
Crawford
Richland
Wayne
Stark
Columbiana
Allen
Marion
Delaware
Jefferson
Darke
Miami
Licking
Muskingum
Belmont
Clark
Madison
Franklin
Montgomery
Greene
Fairfield
Perry
Pickaway
Butler
Warren
Clinton
Hocking
Ross
Hamilton
Clermont
Brown
Pike
Meigs
Scioto
Gallia
Lawrence
0
30
60
120 Miles

*In 2017, Ohio had the second highest rate of drug overdose deaths involving opioids in the U.S. There were 4,293 reported deaths —a rate of 39.2 deaths per 100,000 persons, compared to the average national rate of 14.6 deaths per 100,000 persons.*



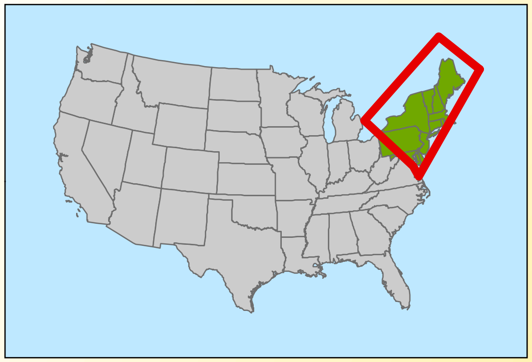
**Count of Deaths Male v. Female**

| | | | |
|---|---|---|---|
| ● | 10.000000 - 15.000000 | ● | 10.000000 - 15.000000 |
| ● | 15.000001 - 25.000000 | ● | 15.000001 - 26.000000 |
| ● | 25.000001 - 45.000000 | ● | 26.000001 - 46.000000 |
| ● | 45.000001 - 150.000000 | ● | 46.000001 - 65.000000 |
| ● | 150.000001 - 350.000000 | ● | 65.000001 - 150.000000 |

*Source: CDC Wonder and Ohio Department of Health (image)*

*Map Creator: Zafir Sharif*

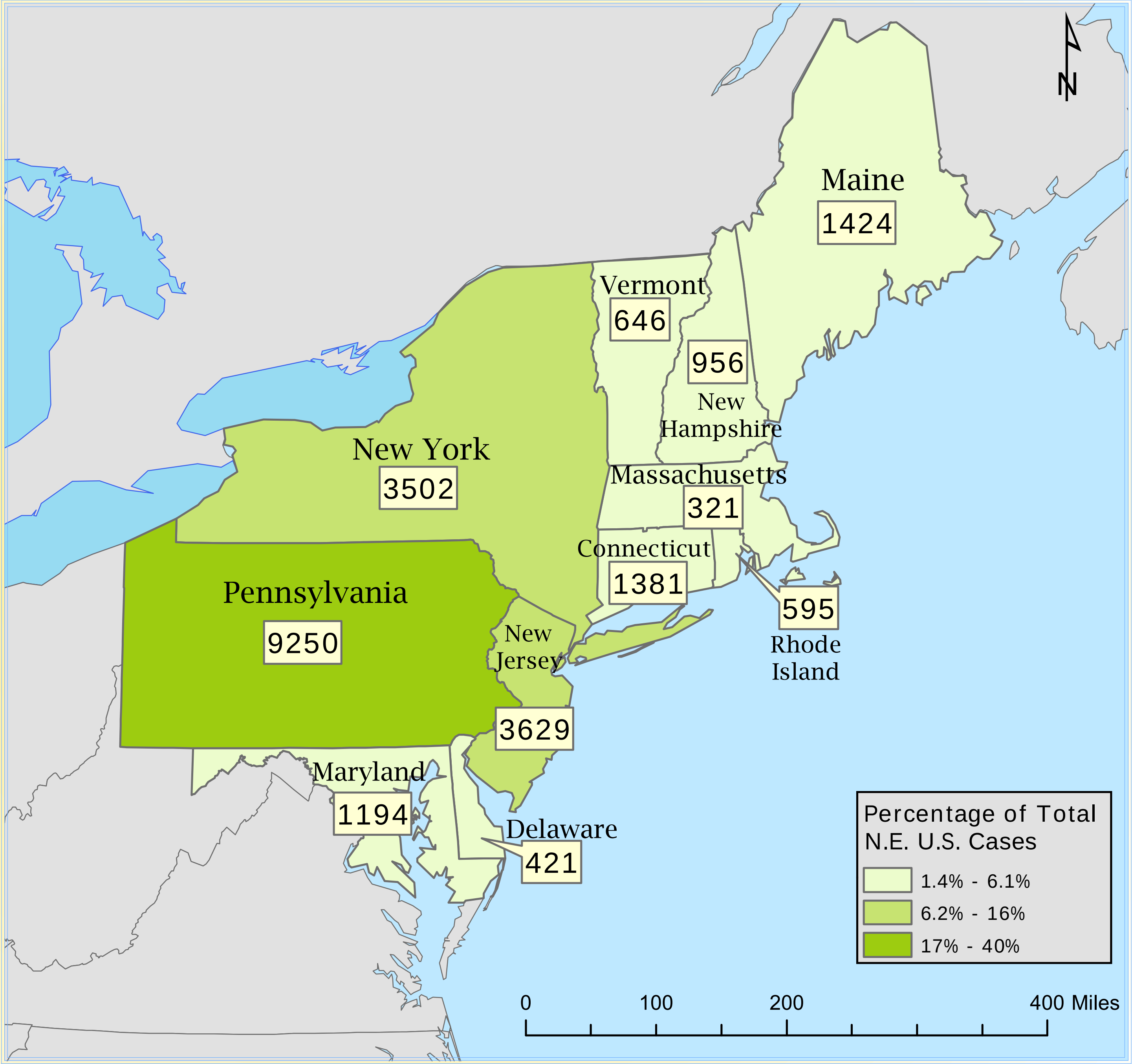
# Lyme Disease Cases In the Northeastern United States



Lyme disease is the most common tick-borne illness in the U.S. Infections are prevalent in the Northeast U.S.; Lyme disease is caused by the bacterium Borrelia burgdoferi and is passed to humans by infected blacklegged ticks. The recent increase in cases can be attributed to the presence of humans in previously wooded areas due to deforestation and suburbanization.

Source: CDC

79% of all reported cases of Lyme Disease in the United States are located in the Northeast.


N
Maine
1424
Vermont
646
956
New Hampshire
New York
3502
Massachusetts
321
Connecticut
1381
595
Rhode Island
Pennsylvania
9250
New Jersey
3629
Maryland
1194
Delaware
421
Percentage of Total N.E. U.S. Cases
1.4% - 6.1%
6.2% - 16%
17% - 40%
0
100
200
400 Miles

Data from CDC.gov (2017)

Map by Laura Kelly

# *Disability Employment Rate (%) by State in 2019*

Map by Ananya Ghose, Tabular Data from US Census Bureau and compiled by disabled-world.com

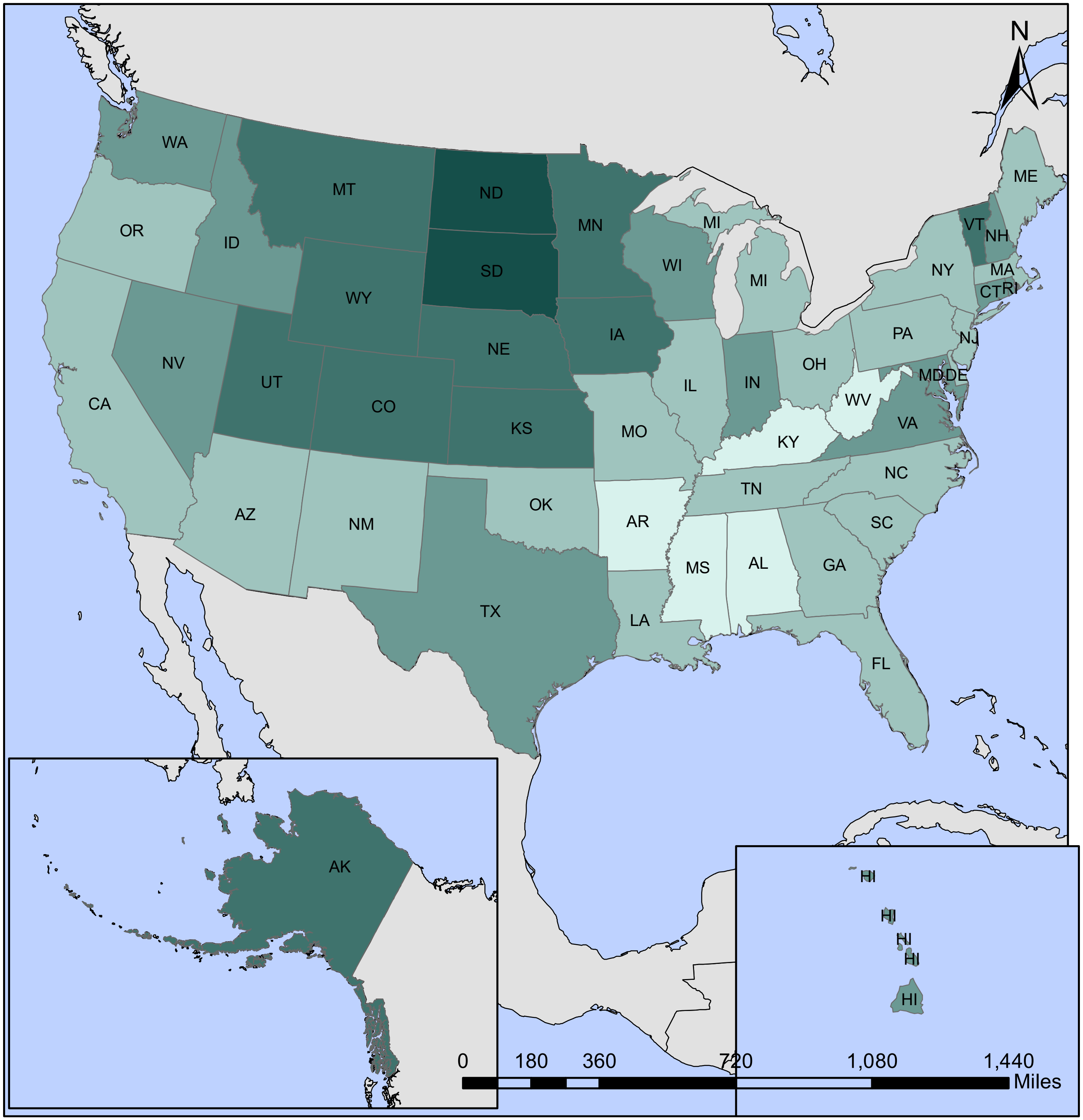
Disability Employment Rate is defined as the percent of Employeed PWDs out of the number of Working-Age PWDs in each state. Although statistics show that the employment rate for PWDs has increased to 37% nationwide, the rate of job growth has declined in over 20 states.

| | State | % |
|---|---|---|
| **Ranking** | **Top Five States** | |
| 1 | ND | 56.3 |
| 2 | SD | 51.3 |
| 3 | UT | 49.5 |
| 4 | NE | 49.3 |
| 5 | MN | 47.8 |
| | **Bottom Five States** | |
| 46 | AR | 30.8 |
| 47 | KY | 30.2 |
| 48 | MS | 27.6 |
| 49 | AL | 26.8 |
| 50 | WV | 26.1 |

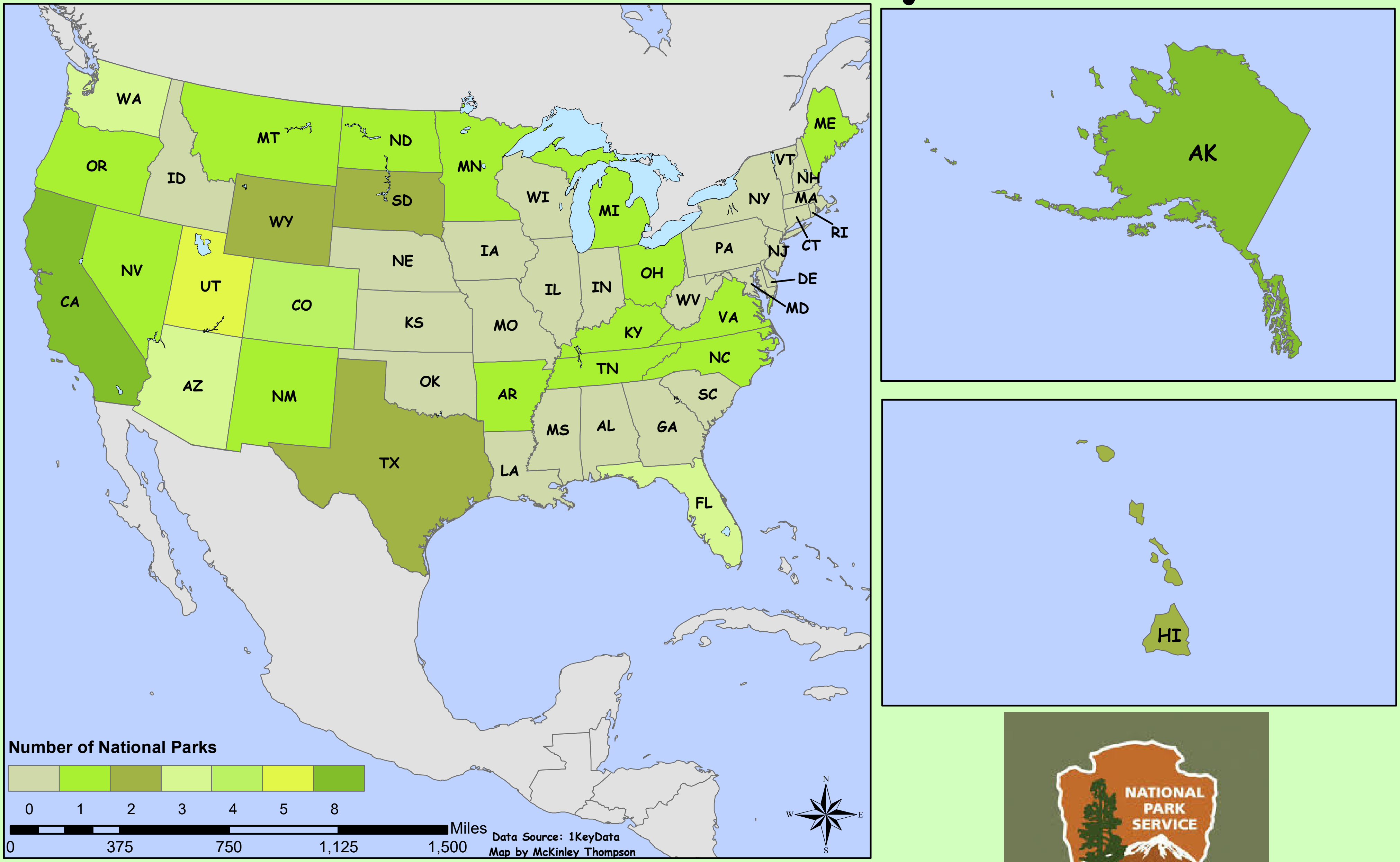
## States Key

**Disability Employment Rate %**

- 🟩 26.1 - 32.1
- 🟩 32.2 - 38.2
- 🟩 38.3 - 44.2
- 🟩 44.3 - 50.3
- 🟩 50.4 - 56.3


N
WA
OR
ID
MT
ND
MN
SD
WY
WI
MI
MI
IA
NE
NV
UT
CO
CA
KS
MO
IL
IN
OH
KY
WV
VA
PA
NY
VT
NH
ME
MA
CT
RI
NJ
MD
DE
NC
TN
SC
GA
AL
MS
AR
OK
LA
TX
NM
AZ
FL
AK
HI
HI
HI
HI
HI
0
180
360
720
1,080
1,440
Miles

# National Parks by State


WA
OR
CA
ID
NV
MT
WY
UT
AZ
CO
NM
ND
SD
NE
KS
OK
TX
MN
IA
MO
AR
LA
WI
IL
MS
MI
IN
KY
TN
AL
OH
GA
WV
VA
NC
SC
FL
PA
NY
VT
NH
ME
MA
RI
CT
NJ
DE
MD
AK
HI
Number of National Parks
0
1
2
3
4
5
8
Miles
0
375
750
1,125
1,500
N
W
E
S

Data Source: 1KeyData
Map by McKinley Thompson

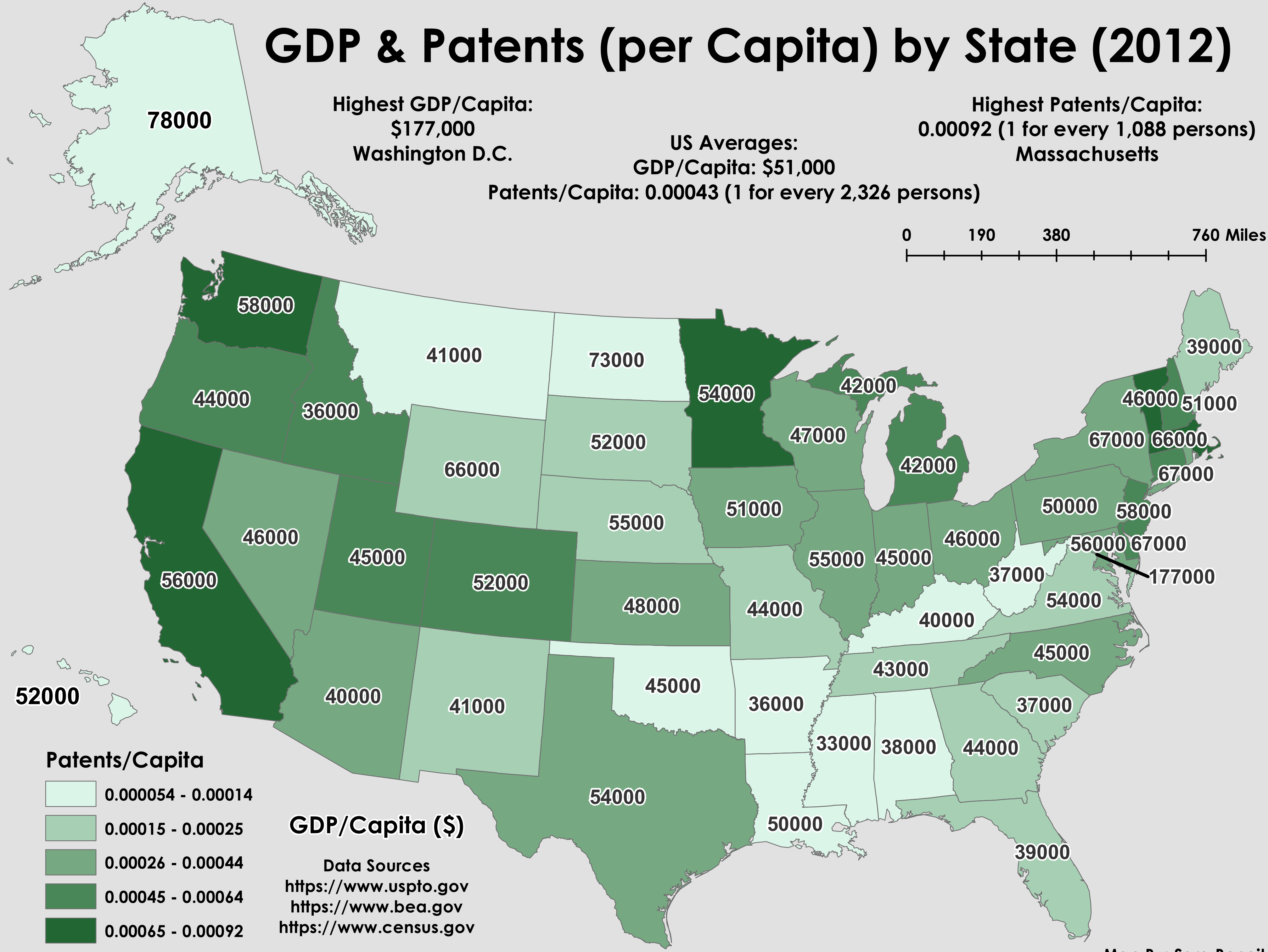
The national parks are areas of countryside protected by the federal government which are enjoyed by millions of visitors each year. The first national park, Yellowstone, was founded in 1872 by President Grant. The United States are home to 58 National parks spanning 26 states.

# GDP & Patents (per Capita) by State (2012)

**Highest GDP/Capita:**
**$177,000**
**Washington D.C.**

**US Averages:**
**GDP/Capita: $51,000**
**Patents/Capita: 0.00043 (1 for every 2,326 persons)**

**Highest Patents/Capita:**
**0.00092 (1 for every 1,088 persons)**
**Massachusetts**


78000
0
190
380
760 Miles
58000
41000
73000
39000
54000
42000
44000
46000
51000
36000
47000
52000
67000
66000
66000
42000
67000
51000
50000
58000
55000
46000
46000
56000
67000
45000
55000
45000
37000
177000
56000
52000
54000
48000
44000
40000
45000
43000
45000
52000
36000
37000
40000
41000
33000
38000
44000
54000
50000
39000

**Patents/Capita**

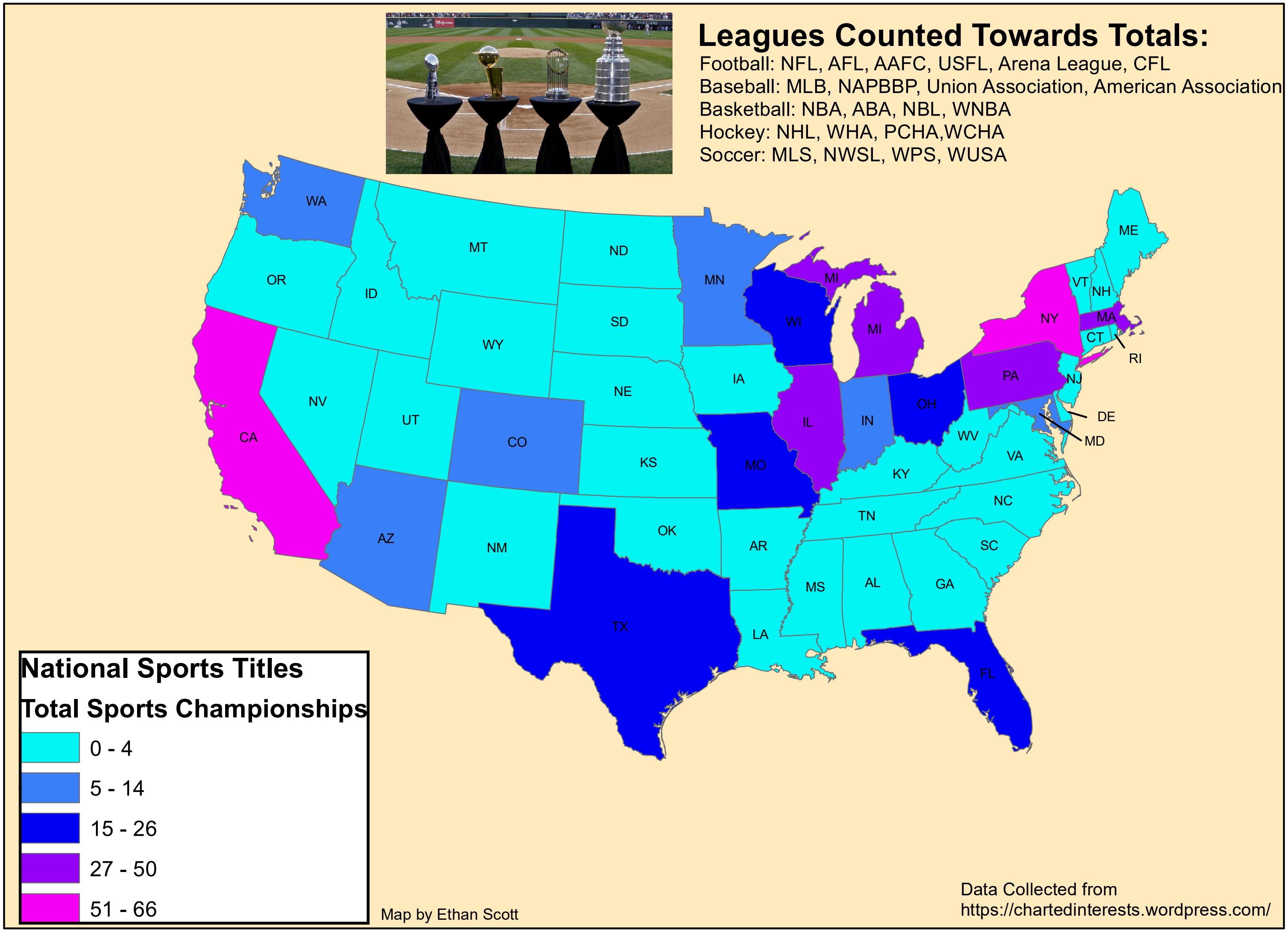
| | |
|---|---|
| 🟩 | 0.000054 - 0.00014 |
| 🟩 | 0.00015 - 0.00025 |
| 🟩 | 0.00026 - 0.00044 |
| 🟩 | 0.00045 - 0.00064 |
| 🟩 | 0.00065 - 0.00092 |

**GDP/Capita ($)**

Data Sources
https://www.uspto.gov
https://www.bea.gov
https://www.census.gov

Map By: Sara Benoit

# Sports Championships By State


WA
OR
CA
NV
ID
MT
WY
UT
CO
AZ
NM
ND
SD
NE
KS
OK
TX
MN
IA
MO
AR
LA
WI
MI
MI
IL
IN
OH
KY
TN
MS
AL
GA
FL
SC
NC
VA
WV
PA
NY
VT
NH
ME
MA
CT
RI
NJ
DE
MD
National Sports Titles
Total Sports Championships
0 - 4
5 - 14
15 - 26
27 - 50
51 - 66

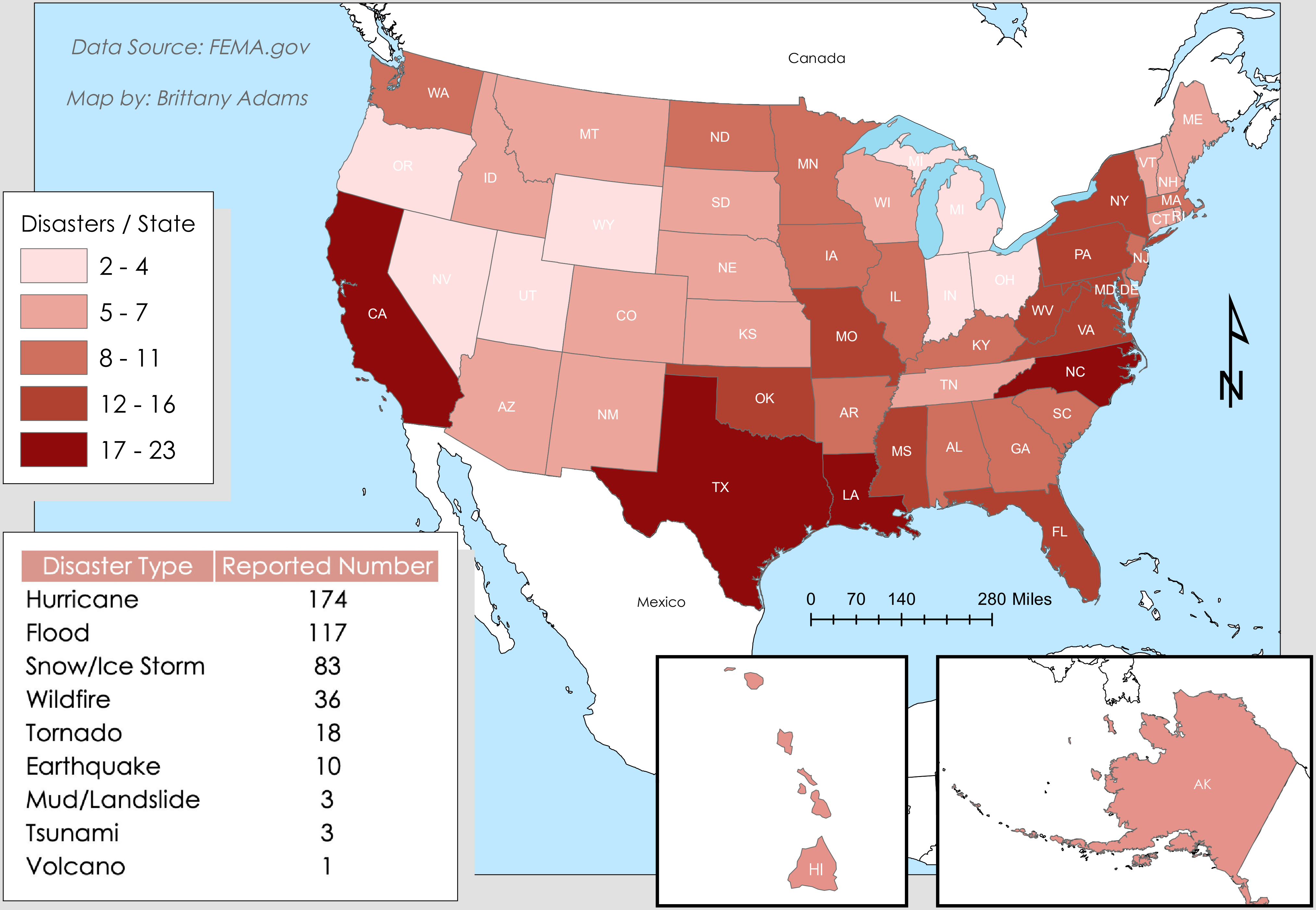
**Leagues Counted Towards Totals:**

Football: NFL, AFL, AAFC, USFL, Arena League, CFL
Baseball: MLB, NAPBBP, Union Association, American Association
Basketball: NBA, ABA, NBL, WNBA
Hockey: NHL, WHA, PCHA,WCHA
Soccer: MLS, NWSL, WPS, WUSA

Map by Ethan Scott

Data Collected from
https://chartedinterests.wordpress.com/

# Natural Disasters per State Since 2000

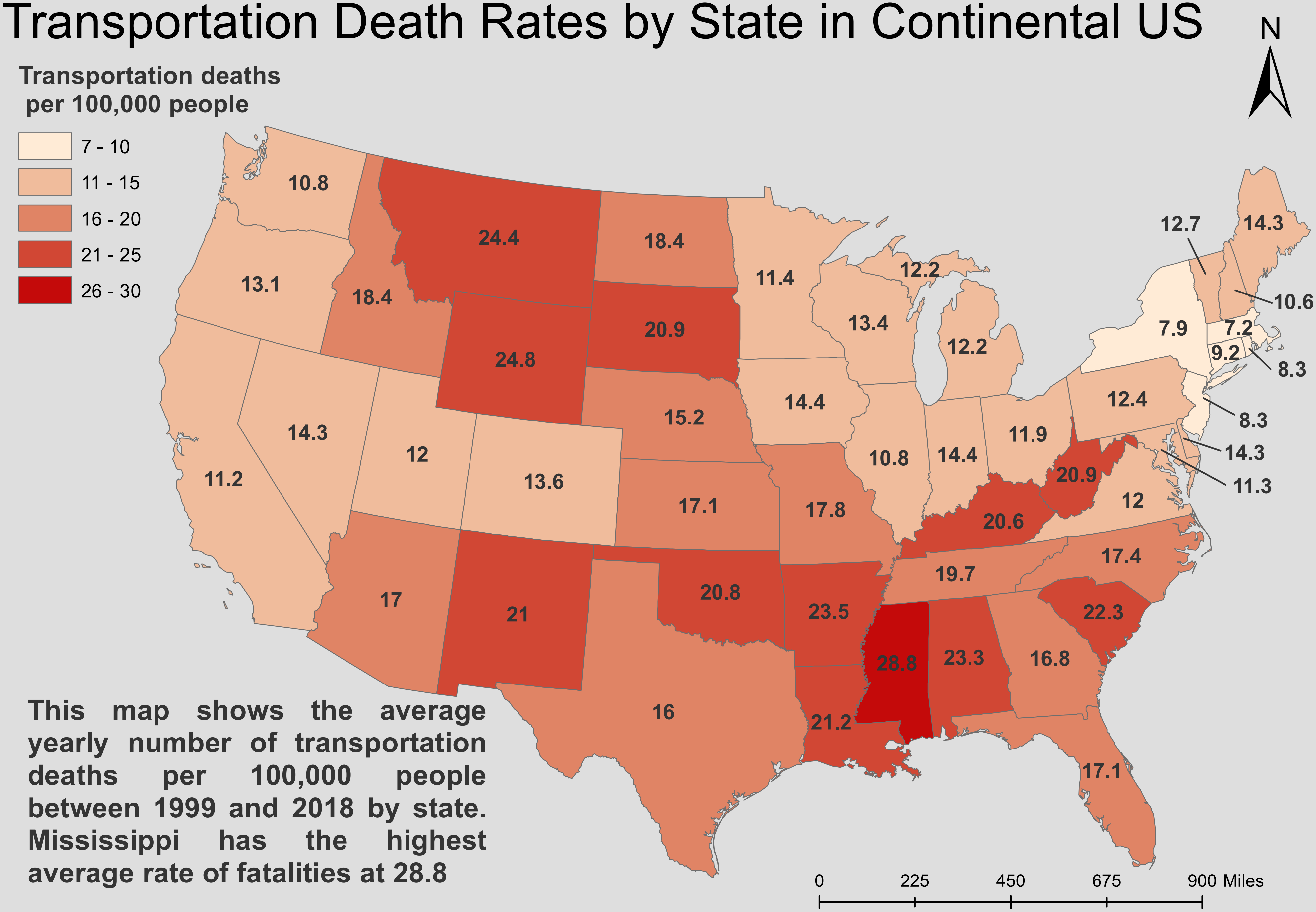

Disasters / State
2 - 4
5 - 7
8 - 11
12 - 16
17 - 23
Canada
Mexico
WA
OR
CA
ID
NV
MT
WY
UT
AZ
CO
NM
ND
SD
NE
KS
OK
TX
MN
IA
MO
AR
LA
WI
IL
MI
MI
IN
OH
KY
TN
MS
AL
GA
FL
SC
NC
VA
WV
MD
DE
PA
NJ
NY
VT
NH
ME
MA
CT
RI
0
70
140
280 Miles
N
HI
AK

*Data Source: FEMA.gov*

*Map by: Brittany Adams*

| Disaster Type | Reported Number |
|---|---|
| Hurricane | 174 |
| Flood | 117 |
| Snow/Ice Storm | 83 |
| Wildfire | 36 |
| Tornado | 18 |
| Earthquake | 10 |
| Mud/Landslide | 3 |
| Tsunami | 3 |
| Volcano | 1 |

# Transportation Death Rates by State in Continental US

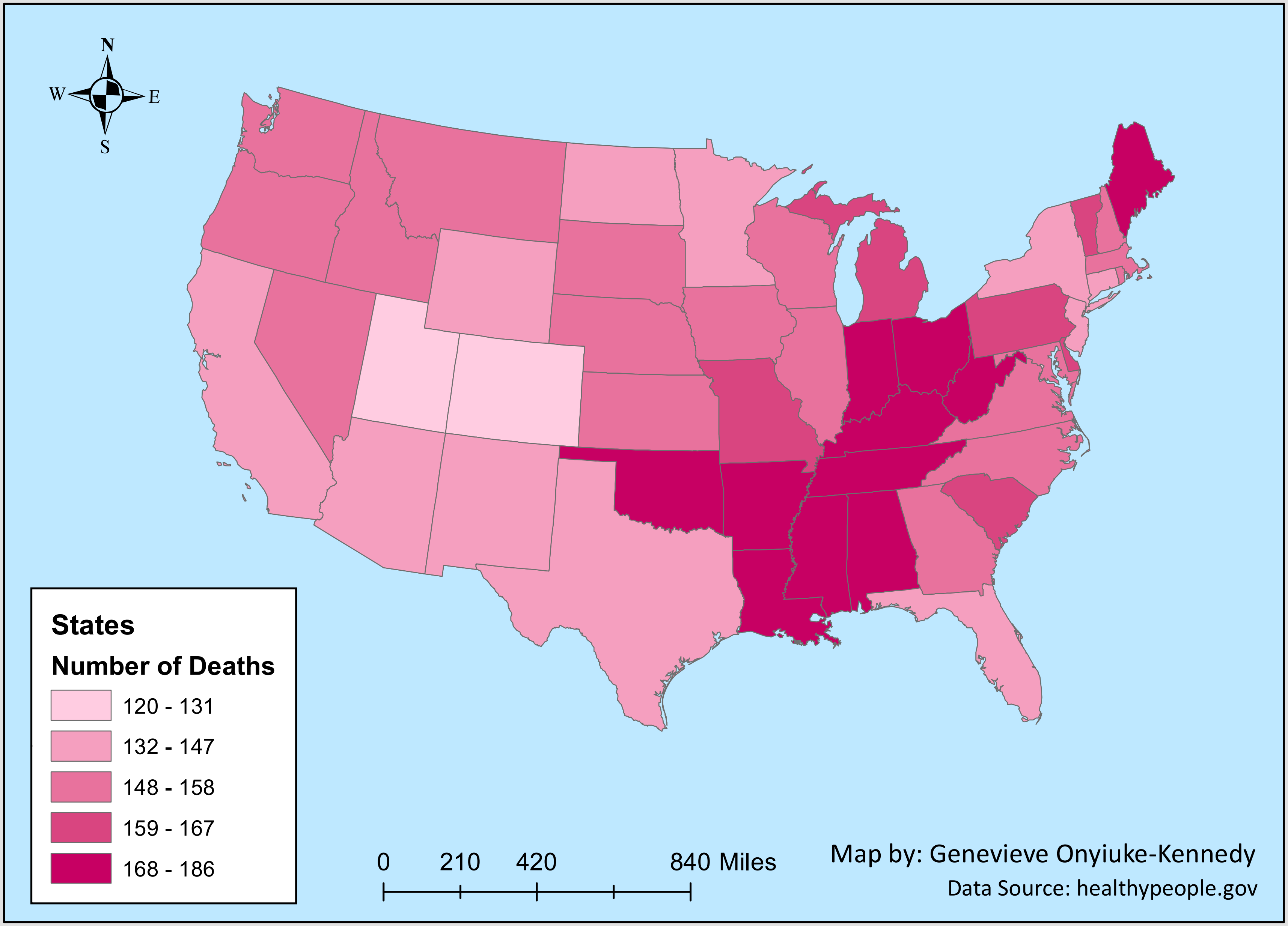

N
Transportation deaths
per 100,000 people
7 - 10
11 - 15
16 - 20
21 - 25
26 - 30
10.8
13.1
18.4
24.4
18.4
11.4
12.2
12.7
14.3
10.6
13.4
12.2
7.9
7.2
9.2
8.3
20.9
24.8
11.2
14.3
12
13.6
15.2
14.4
10.8
14.4
11.9
12.4
8.3
14.3
11.3
20.9
12
17.1
17.8
20.6
17.4
19.7
17
21
20.8
23.5
22.3
28.8
23.3
16.8
16
21.2
17.1
0
225
450
675
900 Miles

**This map shows the average yearly number of transportation deaths per 100,000 people between 1999 and 2018 by state. Mississippi has the highest average rate of fatalities at 28.8**

**Tabular Data Source: Centers for Disease Control and Prevention**
**https://wonder.cdc.gov/ucd-icd10.html**

**Map by: Joseph Cathey**

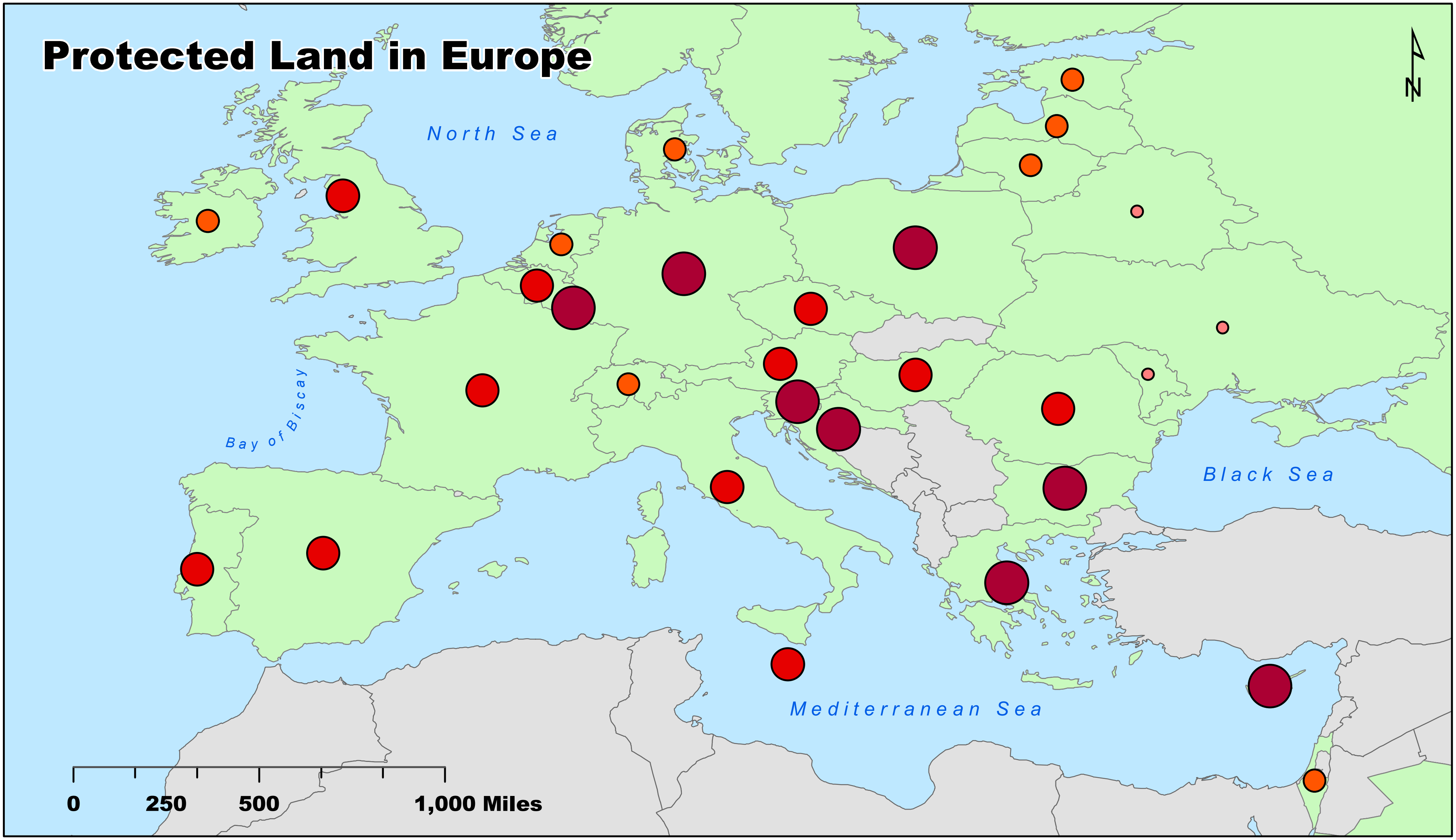
# Number of Cancer Deaths by State


N
W
E
S
States
Number of Deaths
120 - 131
132 - 147
148 - 158
159 - 167
168 - 186
0
210
420
840 Miles

Map by: Genevieve Onyiuke-Kennedy

Data Source: healthypeople.gov

# Protected Land in Europe


N
North Sea
Bay of Biscay
Black Sea
Mediterranean Sea
0
250
500
1,000 Miles

**Percent of Protected Land**

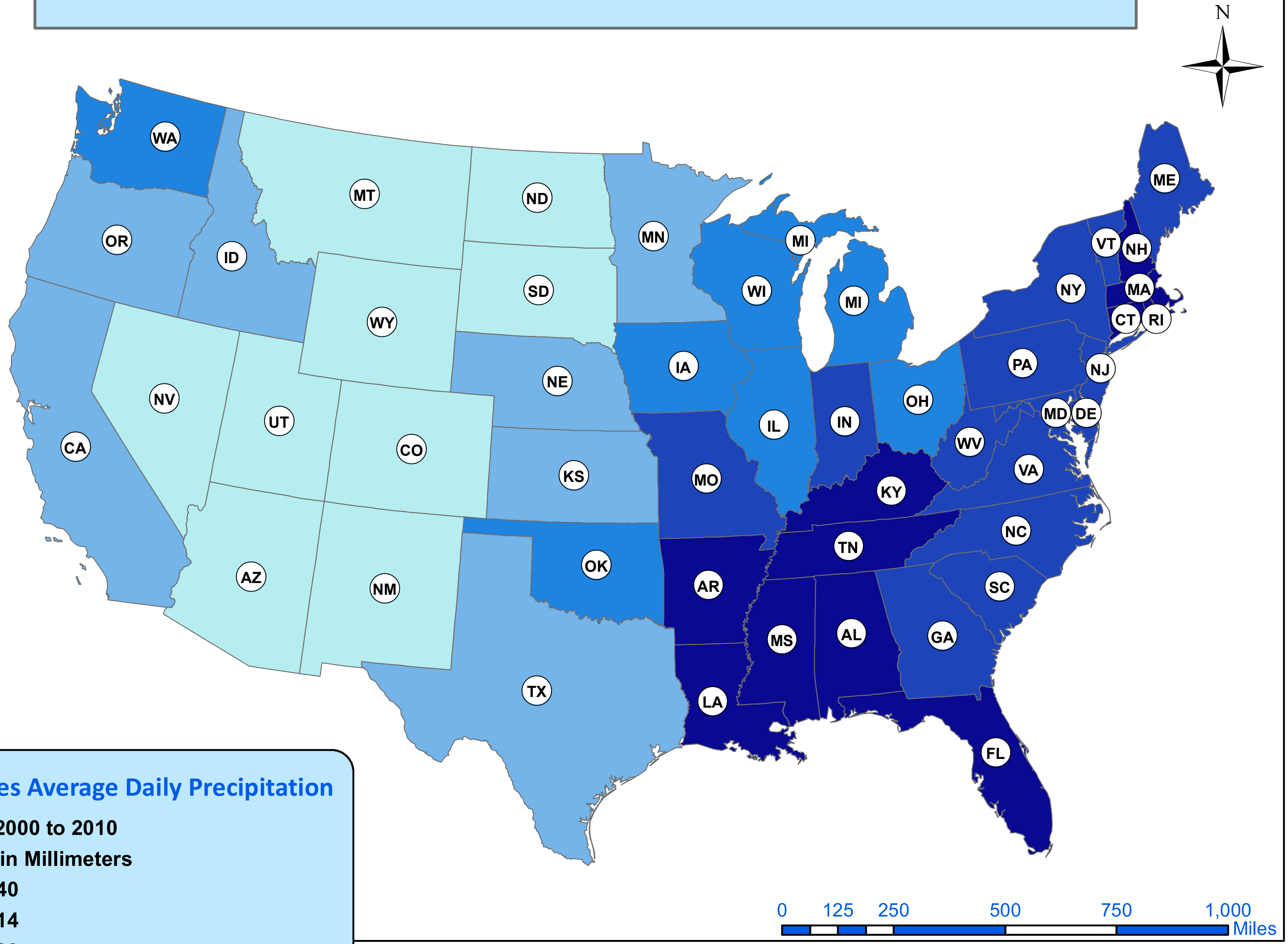
- ● > 10%
- ● 10 - 20%
- ● 20 - 30%
- ● < 30%
- ▨ No Data Available

**From the European Environment Agency:**

**A protected area is a clearly defined geographical space that is recognised as and dedicated to achieving the long-term conservation of nature — with its associated ecosystem services and cultural values — and is managed, through legal or other effective means, to do so.**

Map by Katie Roberts
Data from OECD (2020), Protected areas

# Average Daily Precipitation in the United States


N
WA
OR
CA
ID
NV
MT
WY
UT
AZ
CO
NM
ND
SD
NE
KS
OK
TX
MN
IA
MO
AR
LA
WI
IL
MI
MI
IN
KY
TN
MS
AL
OH
WV
VA
NC
SC
GA
FL
PA
NY
VT
NH
ME
MA
CT
RI
NJ
MD
DE
0
125
250
500
750
1,000
Miles

### United States Average Daily Precipitation

**States From 2000 to 2010**

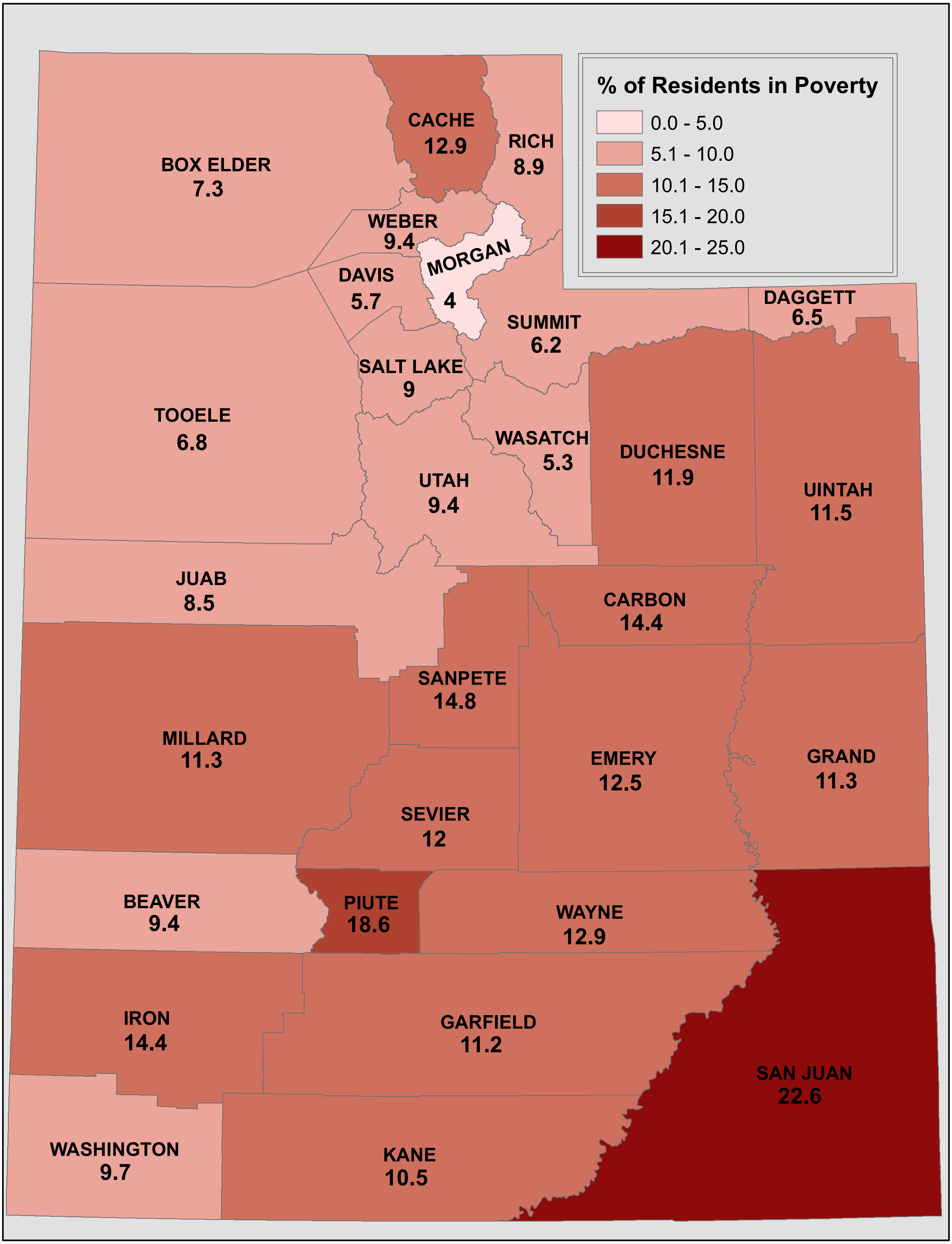
**Precipitation in Millimeters**

- ▨ **0.64 - 1.40**
- ▨ **1.41 - 2.14**
- ▨ **2.15 - 2.83**
- ▨ **2.84 - 3.35**
- ▨ **3.36 - 3.93**

Data from the Centers for Disease Control and Prevention:
"North America Land Data Assimilation System (NLDAS) Daily Precipitation (mm) (2000 - 2010)"

Map by: Conrad McEvoy

# Utah Poverty Rates by County

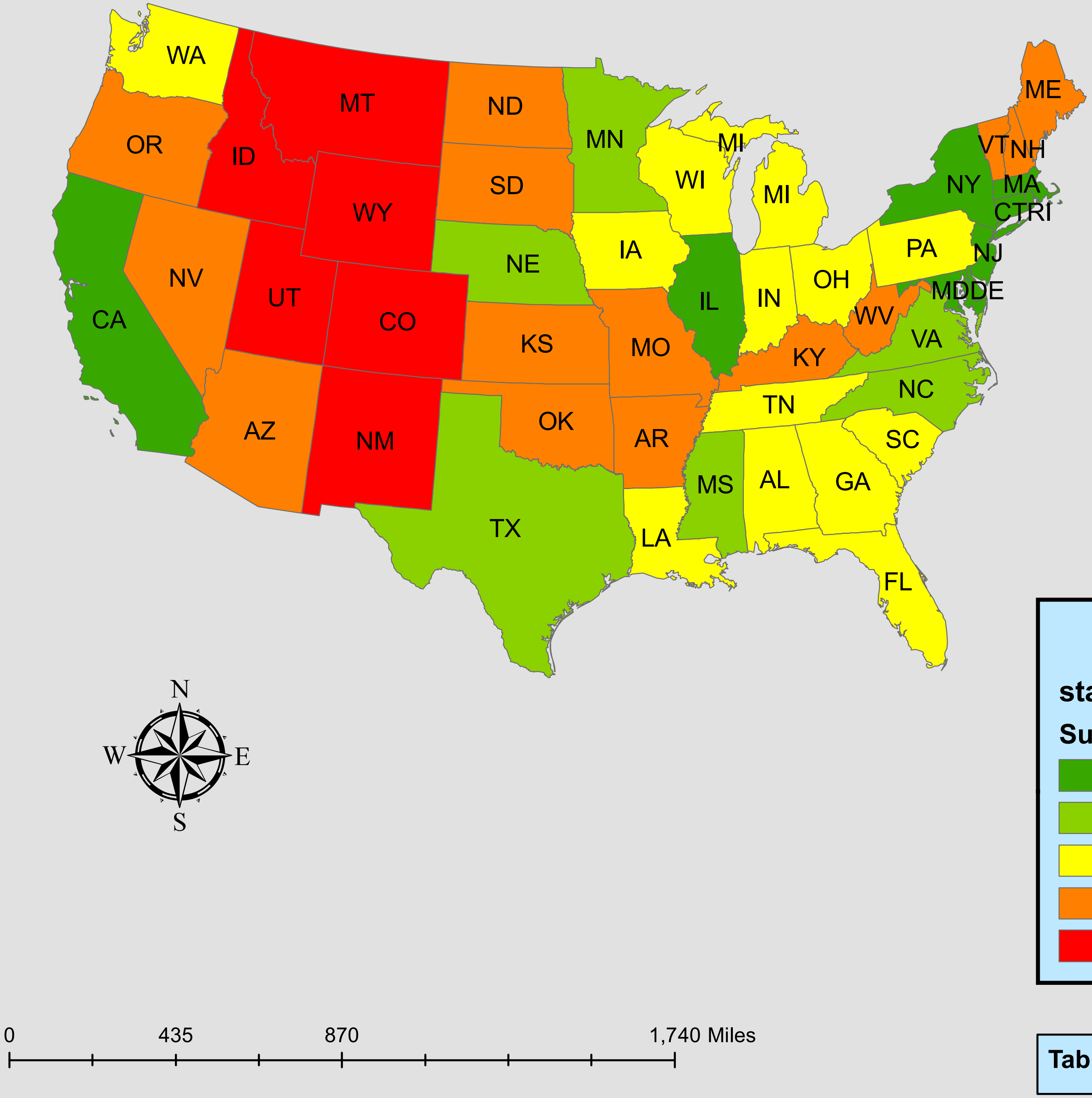

% of Residents in Poverty
▭ 0.0 - 5.0
▭ 5.1 - 10.0
▭ 10.1 - 15.0
▭ 15.1 - 20.0
▭ 20.1 - 25.0
CACHE 12.9
RICH 8.9
BOX ELDER 7.3
WEBER 9.4
MORGAN 4
DAVIS 5.7
SUMMIT 6.2
DAGGETT 6.5
SALT LAKE 9
TOOELE 6.8
WASATCH 5.3
DUCHESNE 11.9
UINTAH 11.5
UTAH 9.4
JUAB 8.5
CARBON 14.4
SANPETE 14.8
MILLARD 11.3
EMERY 12.5
GRAND 11.3
SEVIER 12
BEAVER 9.4
PIUTE 18.6
WAYNE 12.9
IRON 14.4
GARFIELD 11.2
SAN JUAN 22.6
WASHINGTON 9.7
KANE 10.5

Vector Data Source: Utah AGRC

Tabular Data Source: Index Mundi

By Joe King

# *U.S. Suicide Rates 2018*


WA
MT
ND
ME
OR
ID
MN
MI
VT
NH
WI
MI
NY
MA
WY
SD
CTRI
IA
PA
NJ
NE
OH
NV
UT
IL
IN
MDDE
CA
CO
WV
KS
MO
VA
KY
NC
TN
OK
AR
AZ
NM
SC
MS
AL
GA
TX
LA
FL
N
W
E
S
0
435
870
1,740 Miles

**Map by Wataru Tamura**

## Legend

**states**

**Suicide_Rate**

- 🟩 8.00 - 11.00
- 🟩 11.01 - 14.00
- 🟨 14.01 - 17.00
- 🟧 17.01 - 21.00
- 🟥 21.01 - 25.00

### *Additional Facts About Suicide in the US*

*- The age-adjusted suicide rate in 2018 was 14.2 per 100,000 individuals.*

*- The rate of suicide is highest in middle-age white men in particular.*

*- In 2017, men died by suicide 3.54x more often than women.*

*- On average, there are 129 suicides per day.*

*- White males accounted for 69.67% of suicide deaths in 2017.*

*- In 2017, firearms accounted for 50.57% of all suicide deaths.*

**Tabular Data Source: https://www.cdc.gov/nchs/pressroom/sosmap/suicide-**

# Tornadoes and Fatalities in the United States

*Tornadoes are formed by the collision of warm, humid air and cold, dry air. They can wreak havoc, cause major damage and even loss of life in some cases. The map shows both the number of tornadoes in each state and the rate of fatalities per tornado in 2018. The number of fatalities does not increase linearly with the number of tornadoes.*

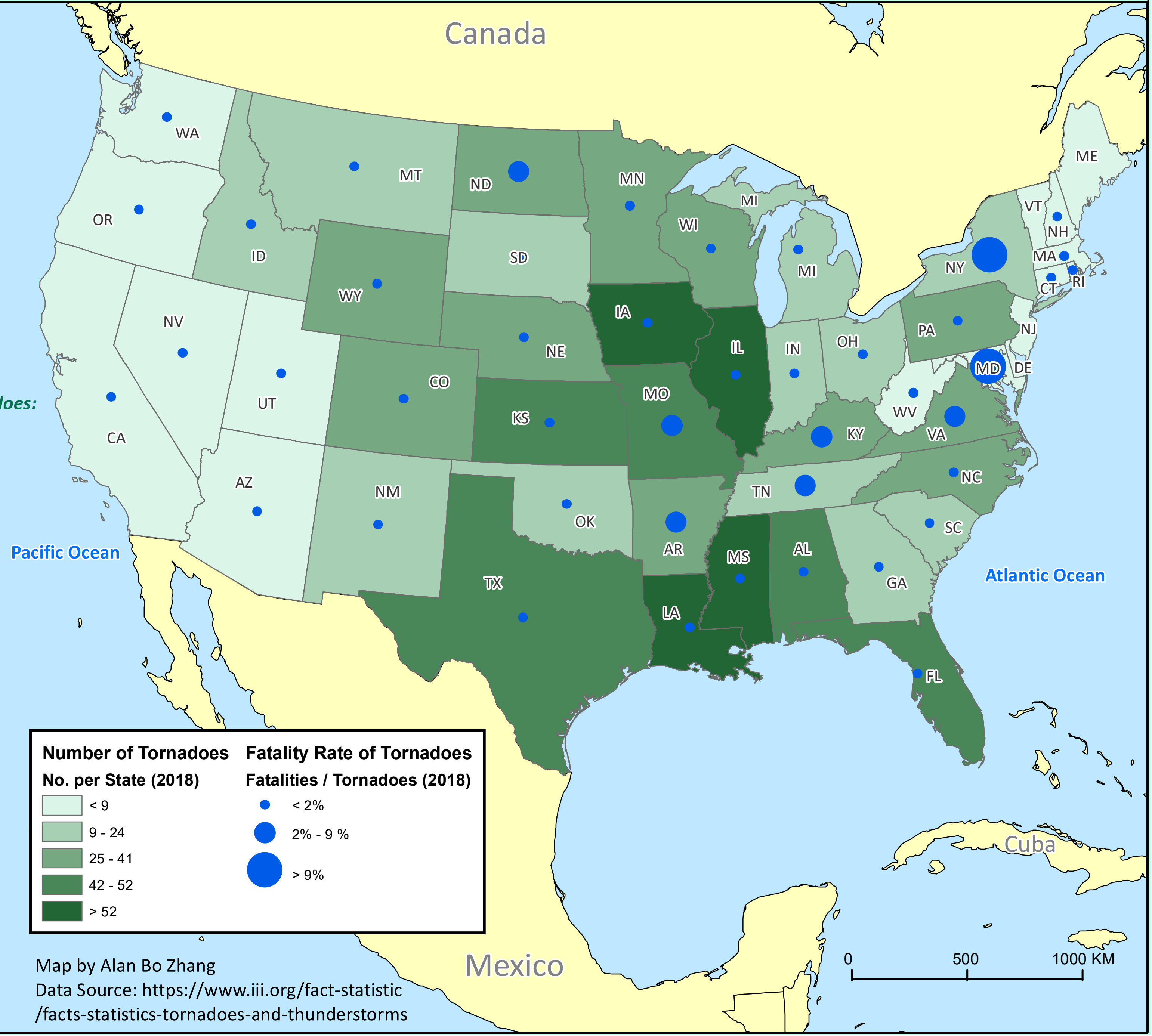
***3 States with Highest Fatality Rate:***

1. ***Maryland***
2. ***New York***
3. ***Tennessee***

***3 States with Highest Number of Tornadoes:***

1. ***Louisiana***
2. ***Iowa***
3. ***Mississippi***

| State | Tornadoes |
|---|---|
| Louisiana | 86 |
| Iowa | 84 |
| Mississippi | 68 |
| Illinois | 64 |
| Alabama | 52 |
| Texas | 52 |
| Florida | 48 |
| Missouri | 48 |
| Kansas | 45 |
| Kentucky | 41 |
| North Carolina | 41 |
| Colorado | 39 |
| Nebraska | 37 |
| Minnesota | 36 |
| Wisconsin | 35 |
| Virginia | 34 |
| Arkansas | 33 |
| North Dakota | 31 |
| Pennsylvania | 31 |
| Wyoming | 31 |


Canada
WA
OR
CA
NV
ID
MT
WY
UT
AZ
CO
NM
ND
SD
NE
KS
OK
TX
MN
IA
MO
AR
LA
WI
IL
MS
MI
IN
KY
TN
AL
OH
WV
VA
NC
SC
GA
FL
PA
NY
VT
NH
ME
MA
CT
RI
NJ
MD
DE
Pacific Ocean
Atlantic Ocean
Cuba
Mexico
0
500
1000 KM

**Number of Tornadoes**

**No. per State (2018)**

- ▢ < 9
- ▢ 9 - 24
- ▢ 25 - 41
- ▢ 42 - 52
- ▢ > 52

**Fatality Rate of Tornadoes**

**Fatalities / Tornadoes (2018)**

- ● < 2%
- ● 2% - 9 %
- ● > 9%

Map by Alan Bo Zhang

Data Source: https://www.iii.org/fact-statistic /facts-statistics-tornadoes-and-thunderstorms