

Veterinarian Occupation Report

Report	Location Ratio and Total Employment	Hourly vs. Annual Salary	Highest vs. Lowest Wages	Above Median Salaries	Map of Total Employment per State	The End
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U.S. BUREAU OF LABOR STATISTICS

May 2018 National Occupational Employment and Wage Estimates
United States

Veterinary Services Industry Report

Dataset Source: <https://www.bls.gov/oes/tables.htm>

Alicja Wilk 2/24/2020

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Location Ratio represents the ratio of an occupation's share of employment in a given area compared to the occupation's share of employment in the United States. This is a way of discovering which locations are truly unique for given occupations.

A high LQ in a particular state indicates that veterinary occupations are (or might be) vital for the continued prosperity of the region. It also matters whether the concentration of jobs in particular market is high or low. For example, we could take a closer look at North Carolina which has 1.33 LQ (Vets) and about 10,000 employed positions or Colorado with a high LQ of 1.67(Vets) and over 7,000 positions. Market like Montana has the highest LQ of 1.72 but it only employs a total of 1,200 veterinarians.

Also, important insight : the LQ indicator will differ based on Occupation: Veterinary Technologists and Technicians, Veterinarians, Veterinary Assistants and Laboratory Animal Caretakers. Different states have different opportunities for different type of professionals.

The darker the state on the map the higher the employment count..

Location Ratio

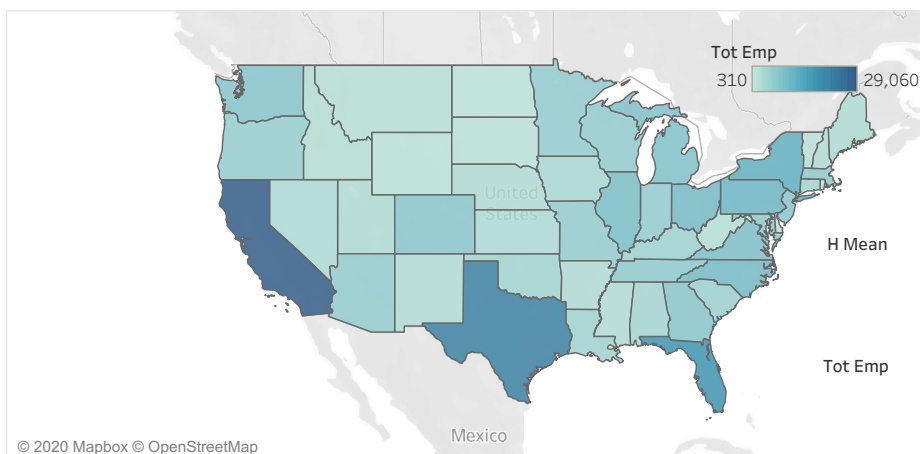
State	Occ Title			Highlight State
	Veterinarians	Veterinary Assistants and La..	Veterinary Technologists an..	
Maine	1.550	2.000	1.490	No items highlighted
Oregon	1.580	1.470	1.330	
Montana	1.720	1.610	1.020	
Colorado	1.670	0.550	2.070	
New Hampshire	1.440	0.950	1.820	
Vermont	1.500	0.440	2.060	
Wyoming	1.530	1.130	1.080	
Oklahoma	1.340	1.490	0.900	
Maryland	1.280	0.880	1.550	
Washington	1.020	1.810	0.820	
Virginia	1.320	1.630	0.670	
North Carolina	1.330	1.290	0.980	
Kentucky	1.150	1.670	0.760	
New Mexico	0.970	1.420	1.050	
Nebraska	1.300	0.970	1.120	

- Occ Title
- ☒ Veterinari..
 - ☒ Veterinar..
 - ☒ Veterinar..

Avg. Loc Q
0.12 to 2.07

Avg. Loc Q
0.120 2.070

Total Employment per state(Veterinary Technologists and Technicians, Veterinarians, Veterinary Assistants and Laboratory Animal Caretakers)

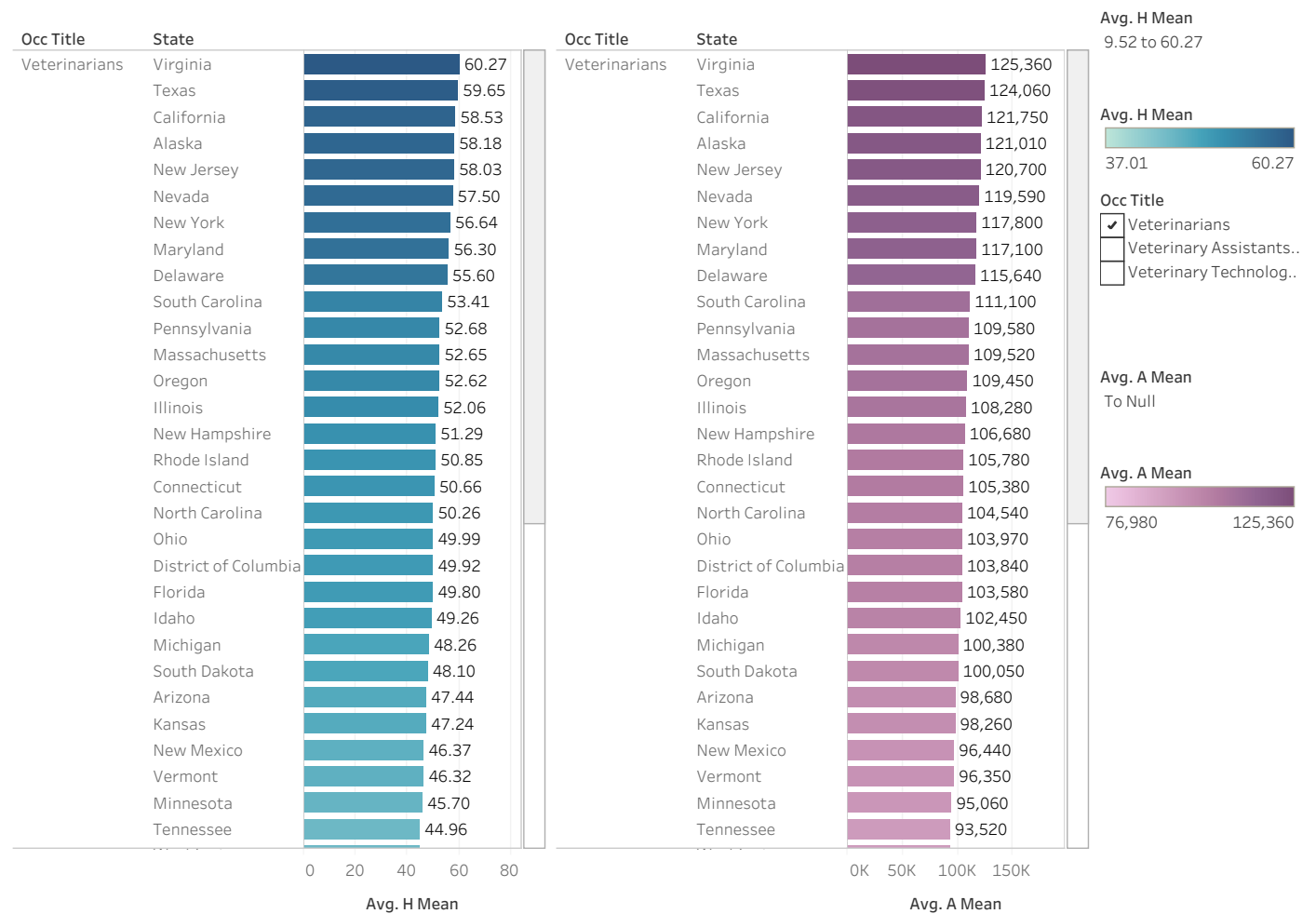


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Bar Chart of Average Hourly Salary (left graph in blue) to the Average Annual Salary (right graph in purple) for Veterinarians.
Choose hourly range or annual range bar to the left to select different ranges.



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The top graphs shows states and their corresponding hourly highest salary (salary that is higher than 90% of data) The bottom graph shows states and their corresponding hourly lowest salaries . For example top wages are from states like Oregon, District of Colombia, New Jersey, Alaska, New York and California

And lowest ranges are from states Wyoming, Montana, Idaho, Arizona, Arkansas.

This information combined with information from Dashboard 2 could potentially give us strong picture about economic base, compensation and overall attractiveness of markets for Roo.

Use interactive bars(below) to adjust the graphs.

Avg. H Pct90
69.8 to 92.63

Avg. H Pct10
16.72 to 25.9

90th percentile Hourly Wage

Oregon 92.63	New York 90.57	Ohio 81.21	South Carolina 78.29	Delaware 77.09	South Dakota 76.71	
District of Columbia 91.94	California 90.28	Illinois 80.64	North Carolina 77.55	Alabama 72.22		Arizona 70.76
New Jersey 91.49	Idaho 89.32	Massachusetts 78.78	Florida 77.45	Michigan 72.22		
Alaska 91.45	Maryland 84.46	New Hampshire 78.62	Pennsylvania 77.39	Kansas 71.33	West Virginia 69.89	

Highlight State
No items highlighted

10th percentaile Hourly Wage.

Louisiana 25.540	Puerto Rico 24.580	Kansas 22.880	Nebraska 21.200	District of Columbia 20.820	Mississippi 20.730
	Alabama 24.460	Missouri 22.040			
Georgia 25.390		Indiana 21.580	Wyoming 19.160	Idaho 17.940	Arizona 17.770
	Maryland 24.430				
Kentucky 25.030	Oklahoma 24.330	Utah 21.380	Montana 18.400	Arkansas 16.720	

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The graph shows us the 75th percentile of Annual Salary per State. As we can see from the graph, those salaries range:
Alaska \$151,500 - Nebraska \$91,160.

Again, we need to remember about the map of Total Employment, even though Alaska has the highest salary in this category, the state does not employ many veterinarians or related practitioners.

Use interactive bars(below) to adjust the graphs.

75th percentaile Annual Wage

Highlight State
No items highlighted

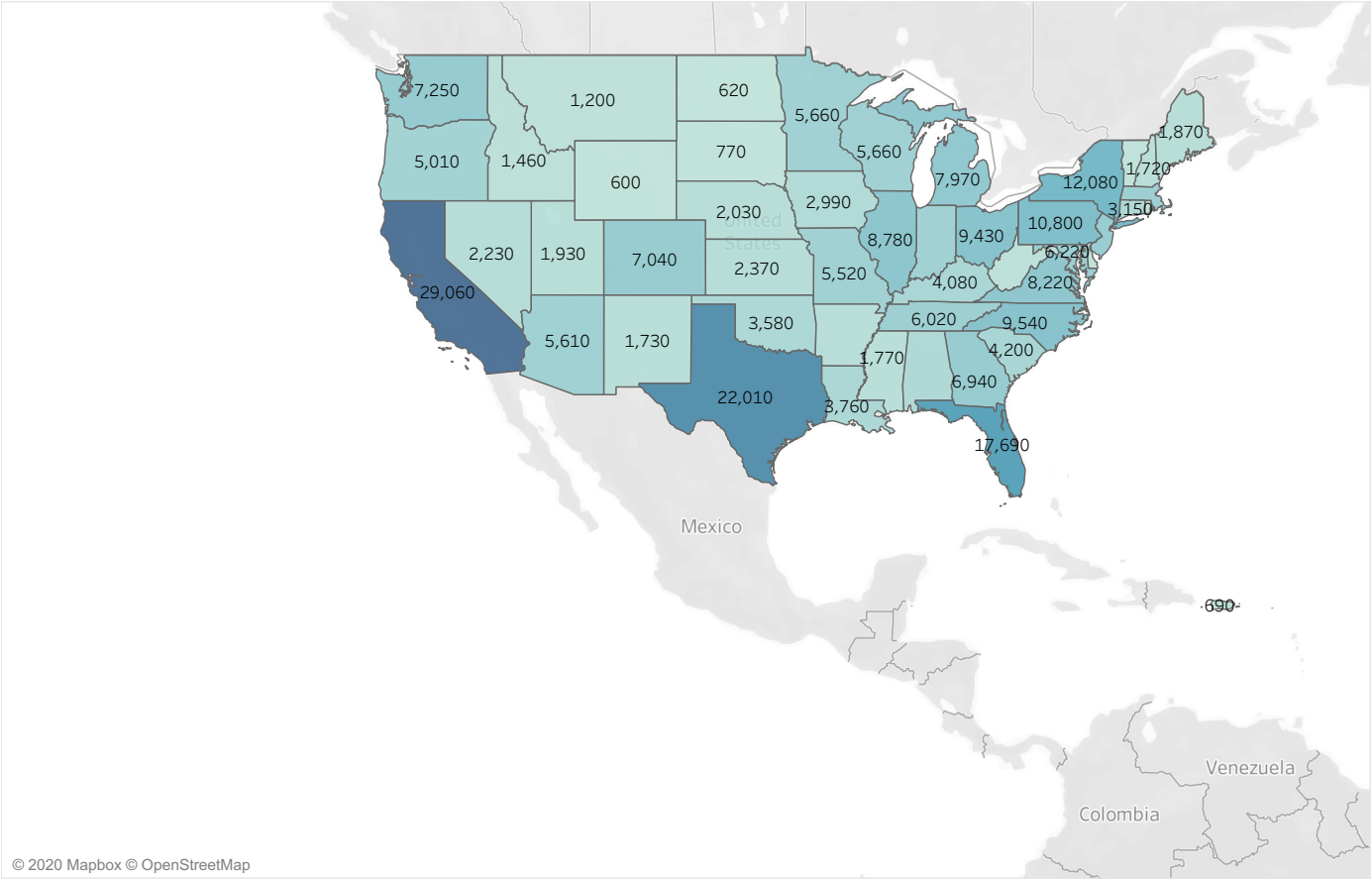
Alaska 151,500	New York 135,390	South Carolina 130,650	Ohio 129,810		New Hampshire 127,330	District of Columbia 125,900	
New Jersey 151,450	Oregon 122,220	North Carolina 115,600	Arizona 114,290	New Mexico 112,790	Colorado 111,800	Maine 111,700	
Maryland 145,090	Florida 121,880						
Virginia 143,200	Rhode Island 121,530	Michigan 110,260	Tennessee 105,220	West Virginia 104,990	Arkansas 104,970	North Dakota 102,280	
California 142,350	Illinois 121,320	Indiana 109,660	Georgia 102,130	Iowa 100,470	Puerto Rico 100,350	South Dakota 99,600	
Pennsylvania 139,330	Nevada 119,060	Kansas 107,960					
Delaware 137,960	Vermont 117,000	Minnesota 107,850	Wyoming 97,640	Montana 95,000		Utah 91,580	
Texas 137,700	Idaho 115,980	Missouri 107,100	Kentucky 97,120	Louisiana 94,880			
		Alabama 105,910	Mississippi 95,810	Oklahoma 94,850		Nebraska 91,160	

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The Map of Total Employment per state. The states that hire the most professional in the vet industry are : California, Texas, Florida, New York and Pennsylvania.

Total Employment per state(Veterinary Technologists and Technicians, Veterinarians, Veterinary Assistants and Laboratory Animal Caretakers)



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Conclusion of the Exploratory Data Analysis.

There are certain states that are more invested in the veterinary industry than others. As we saw on previous pages, states like California, Texas, Florida are amongst the states that are most attractive and should require most attention and traction.

One of the more important takeaways is that high salaries do not always equal good market for veterinarian professionals. Sometimes the salaries are high but LQ is low or total employment is low, which become more challenging short term investments. Although, there could be long term gains due to economic development opportunities, like for example - New York City. According to the data, NYC employs over 12,000 vet professionals but the LQ is relatively low.

Next steps: Combine 2018 data with 2000-2017 data to explore industry trends over time and perform forecasting analysis.