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*KANSAS CITY*  
*09.28 - 09.30*

# How “Short” is the Shortage?

Veterinary Care Accessibility  
by the Numbers

*Michael Greenberg, DVM & Sue Neal, PhD  
The Veterinary Care Accessibility Project*



**VCAP**

The Veterinary Care  
Accessibility Project

# Can We Measure Care Accessibility?

3

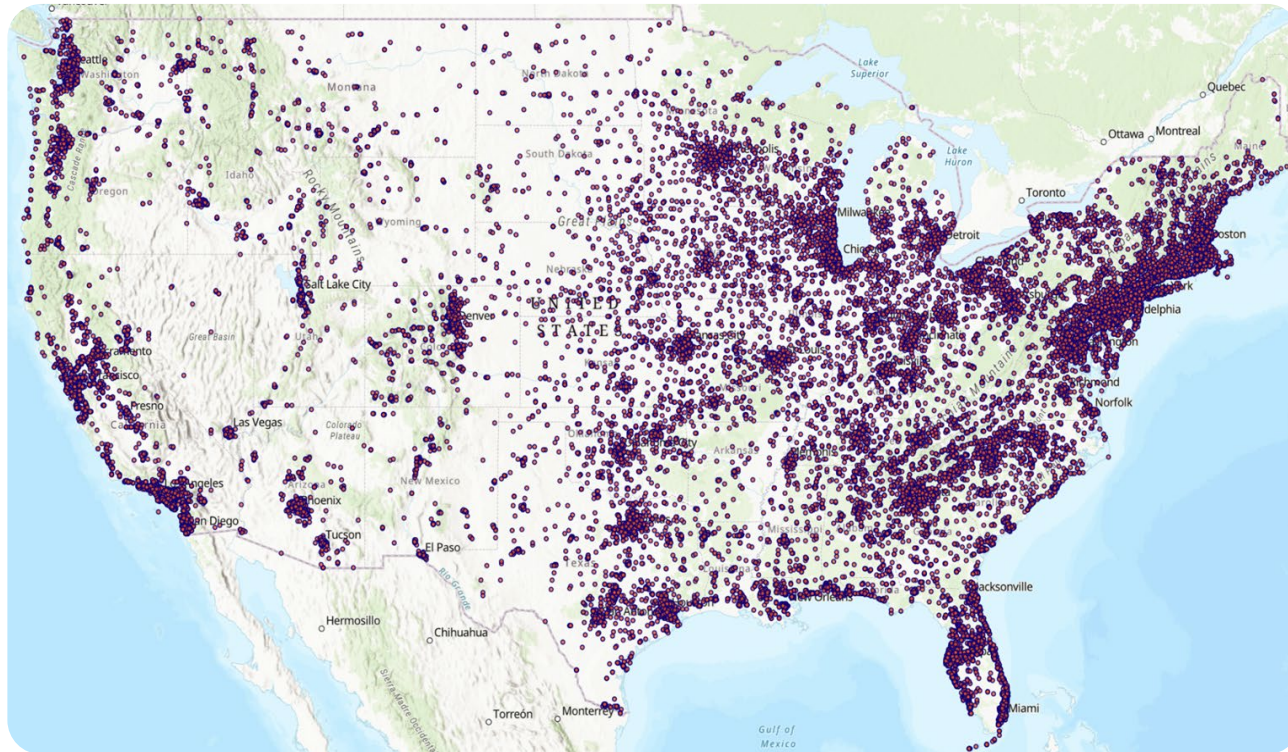
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# Does this suffice?



# Multiple Factors

Clinic Locations

Care Provider Density

Income

Transportation Access

Language

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# The Veterinary Care Accessibility Score

## VCAS: A Ranked Sum Index

Care Provider Density

Income

Poverty

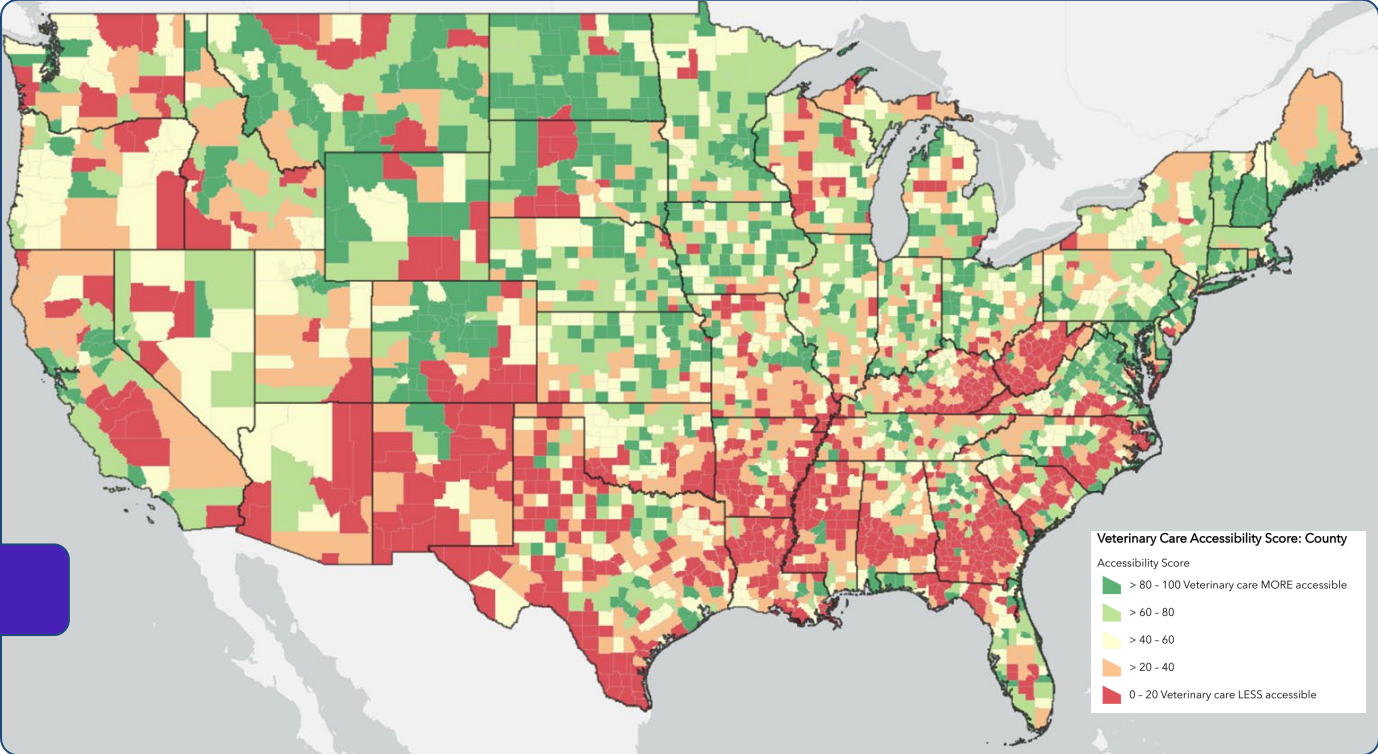
Transportation Accessibility

Language



# VCAS

# The Veterinary Care Accessibility Score



Interactive Map

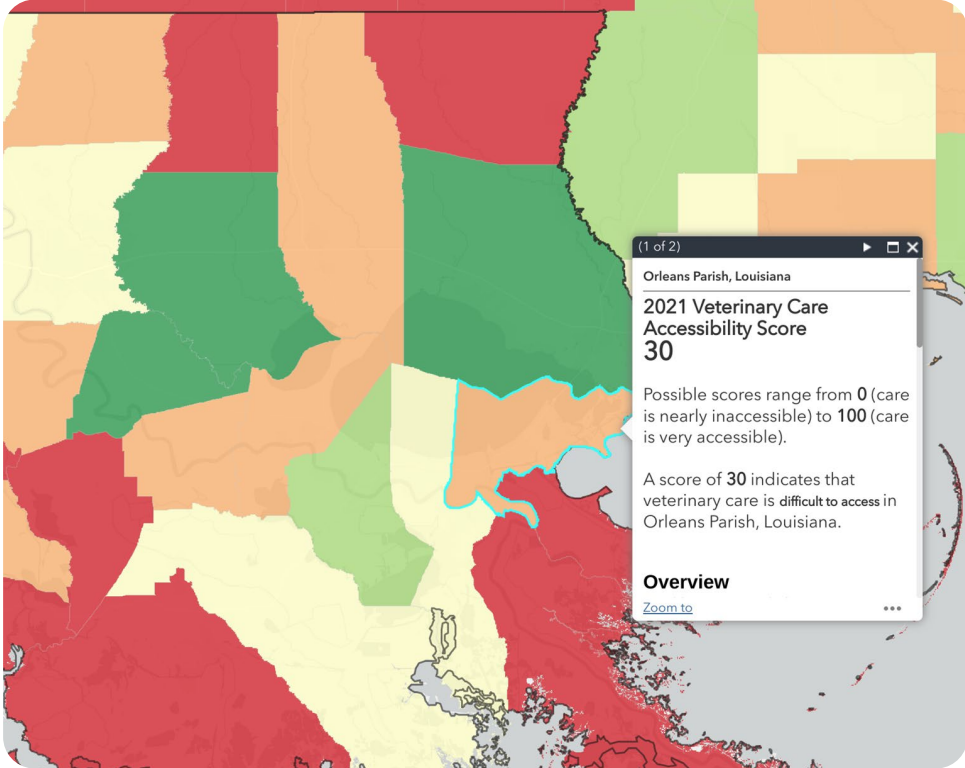
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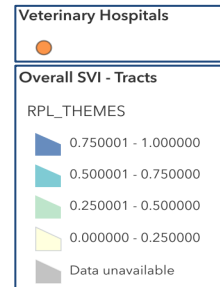
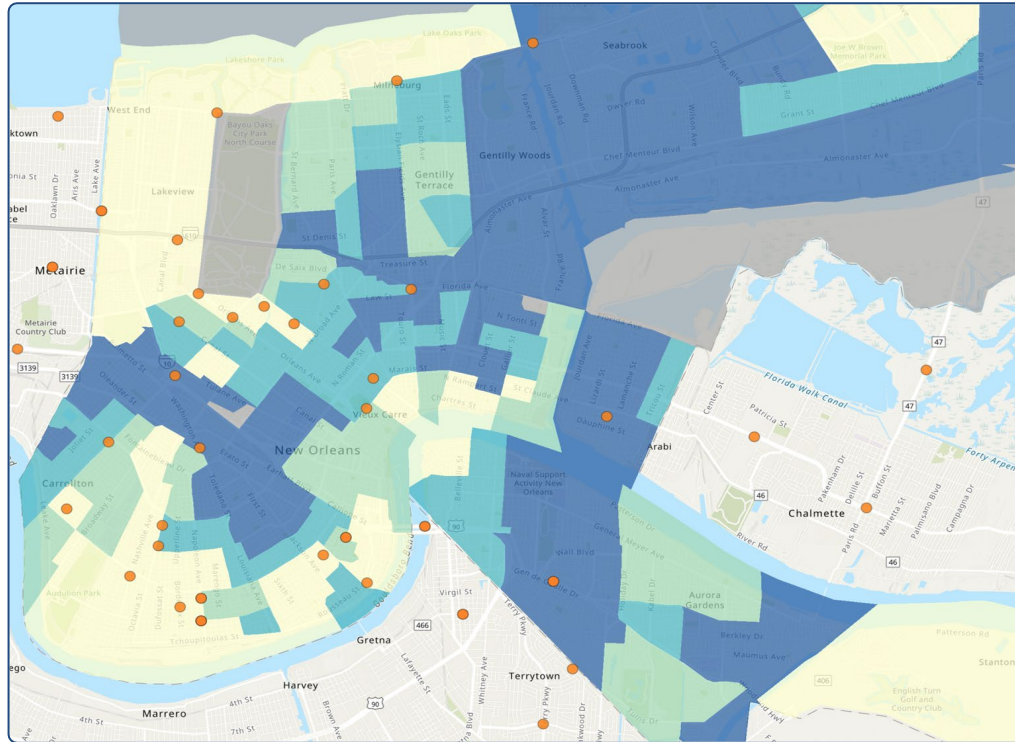
# The Veterinary Care Accessibility Score

Interactive Map





# Census Tract Level Analysis



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# Veterinary Employee Density

***Veterinary Employees***

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***1,000 Households***



***Veterinary Employee  
Density***

Interactive Map

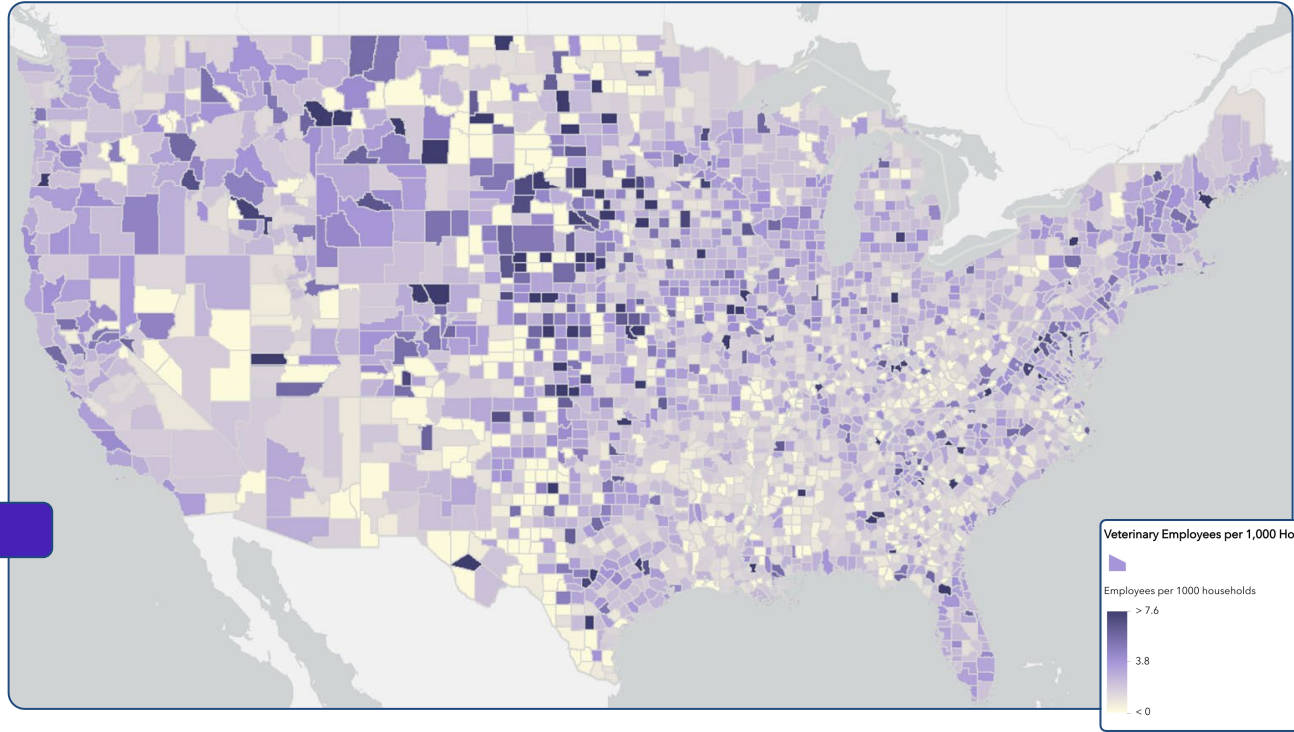
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# Veterinary Employee Density



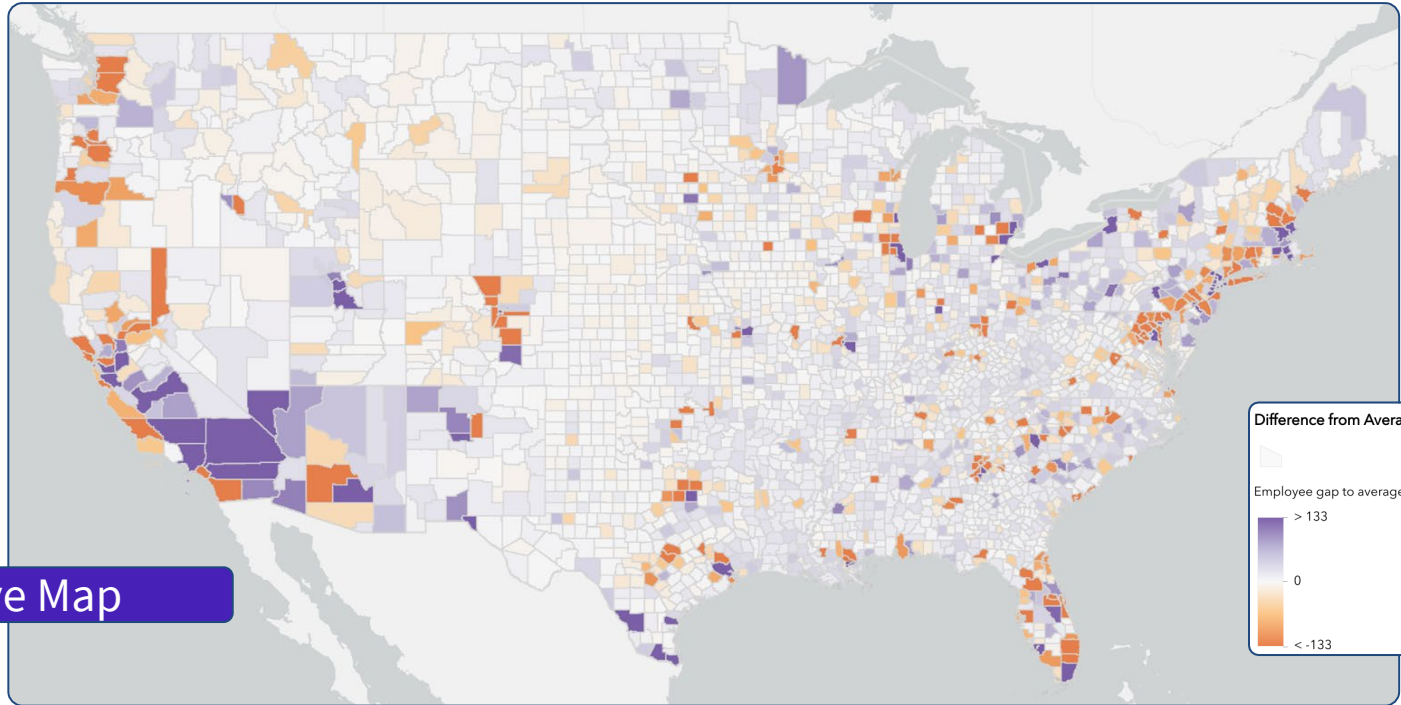
Interactive Map

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# Veterinary Employee Difference from Average



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# How “Short” is the Shortage?

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# ~60,000 Vet Employees

Number of Veterinary Employee Required to Enable All US  
Counties to Reach Mean Veterinary Employee Density

*Veterinary care deserts: what is the capacity and where is it?*

Sue. M Neal & Mike J. Greenberg

Journal of Shelter Medicine and Community Animal Health

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# ~20,000 Veterinarians

Number of Veterinarians Required to Enable All US Counties to Reach Mean  
Veterinary Employee Density  
(Assuming a 1:3 ratio for veterinarians:support staff)

*Veterinary care deserts: what is the capacity and where is it?*

Sue. M Neal & Mike J. Greenberg

Journal of Shelter Medicine and Community Animal Health

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# Peer-Reviewed Publications



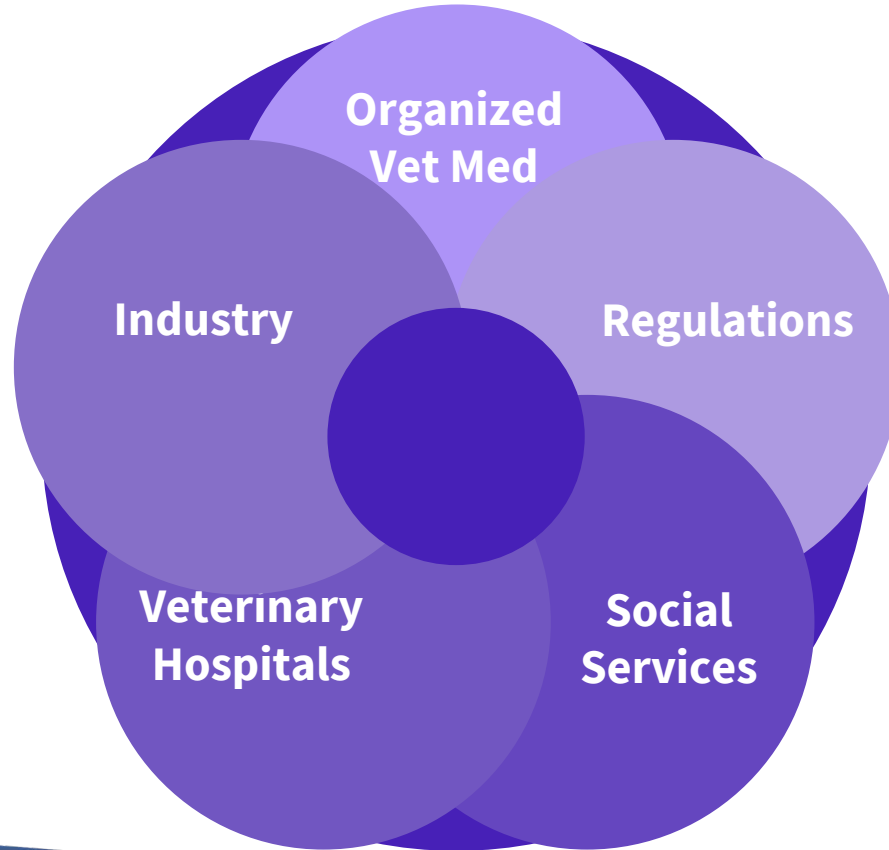
***Putting Access to Veterinary Care on the Map: A Veterinary Care Accessibility Index***  
Sue. M Neal & Mike J. Greenberg



***Veterinary care deserts: what is the capacity and where is it?***  
Sue. M Neal & Mike J. Greenberg



# Solutions

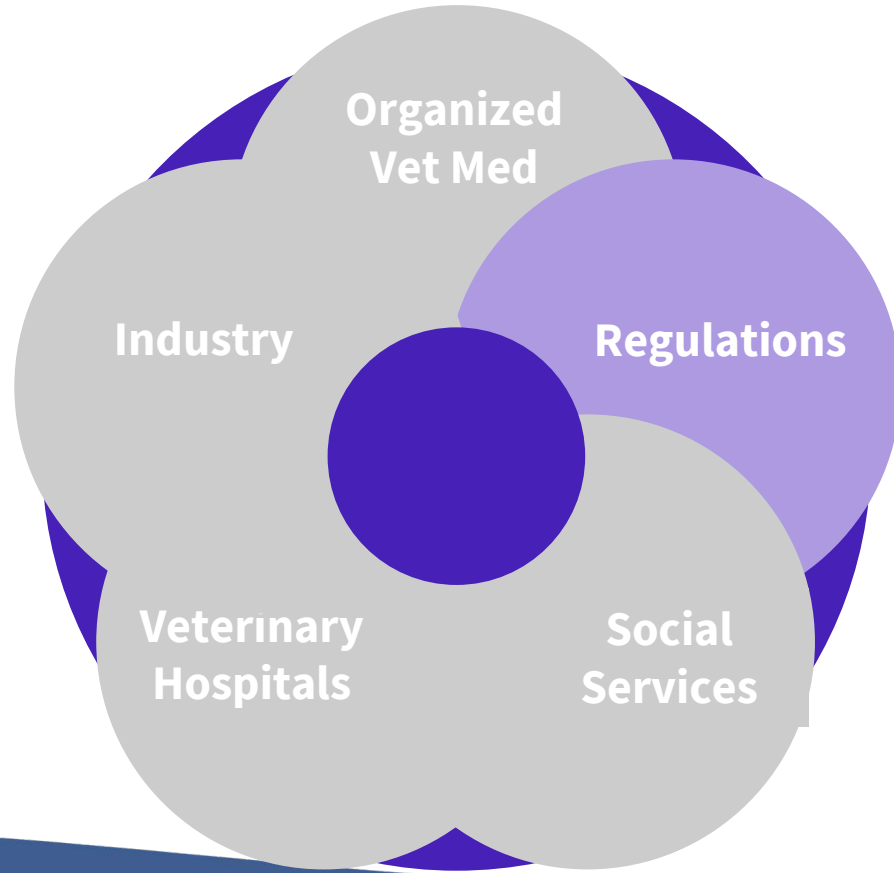


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# Solutions



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# Solutions: Regulatory Examples and Questions

## Scope of Practice for Veterinary Technicians

Why do some states only allow vets to (say) give rabies vaccinations or place microchips?

## Telehealth

How and why do all 50 States allow physicians to form physician-patient relationships via telemedicine?

## Vet licensure policies

What are the purpose of onerous licensure procedures that may be biased against some individuals?

## Veterinary clinic ownership

Will allowing non-veterinarians to own practices potentially expand opportunities for growth?

## Limits on non-profit practice services

Why do some states limit what services nonprofits can perform?

## What else?

Are there policies in your state that restrict what veterinary care providers can do? What purpose are they serving?

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# Thank You!



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