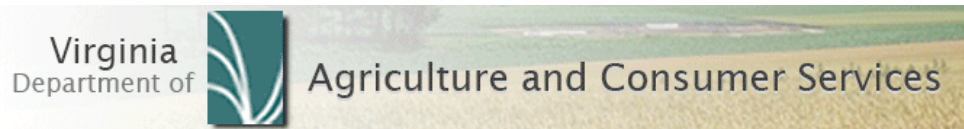


HOUSE JOINT RESOLUTION NO. 730

Requesting the Virginia-Maryland Regional College of Veterinary Medicine at Virginia Polytechnic Institute and State University to study the shortage of large animal veterinarians. Report.

Agreed to by the House of Delegates, January 30, 2009

Agreed to by the Senate, February 24, 2009



VIRGINIA DEPARTMENT OF BUSINESS ASSISTANCE
Connecting Businesses with Resources



Shortage of Large Animal Veterinarians

- Overview
 - National level
 - Commonwealth level
 - VMRCVM
- Our challenge



Large Animal Veterinarians

- Does this only infer a food animal veterinarian in private practice
or
 - USDA / FSIS / State Government DVM?
 - An equine practitioner in Middleburg?
 - A mixed animal practitioner in Bedford who sees a few cows, goats, and alpacas?
 - Any practitioner in a rural community?

Shortage of Veterinarians

- Many areas of the profession are concerned about a shortage
 - Small animal
 - Industry
 - Public / Corporate
 - Food Animal

Hearing Date: August 7, 2000

Bill No: AB 2842

SENATE COMMITTEE ON BUSINESS AND PROFESSIONS
Senator Liz Figueroa, Chair

Bill No: AB 2842
As Amended: August 7, 2000

Author: Calderon
Fiscal: No.

SUBJECT: Veterinary licensing; accreditation of
foreign schools

National actions: Congress

- Still not in place



washington veterinary news

[AVMA Journals Home](#) | [JAVMA online](#)

January 1, 2004

President signs bill assisting veterinary graduates with debt load

Student loan repayment offered to veterinarians working in underserved areas

National Actions: Congress



lead

[AVMA journals](#) > [JAVMA News](#) > [Veterinarian shortage](#)

April 1, 2007

Legislation addresses critical shortage of veterinarians in public health

Competitive, \$1.5 billion grant program proposed

National Actions: AVMA

AVMA
AMERICAN VETERINARY MEDICAL ASSOCIATION

Home | News | Issues | My AVMA | Jobs | Animal Health | Public Health | AVMA@Work

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Search FSVM

Search FSVM only.

About Food Supply Veterinary Medicine

What is FSVM?

Veterinary shortage maps

How you can help

FSVM in your state

Opportunities for students and tools for faculty


Tools for state associations, allied partners and industry


Studies and statistics

Media coverage

Careers in FSVM

Recognition of FSVM Coalition

 = AVMA/SAVMA
Members Only

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Food Supply Veterinary Medicine
Protecting America's food supply

[Food Supply Veterinary Medicine >](#)


What is Food Supply Veterinary Medicine (FSVM)?

Why is FSVM important?

Where is there a shortage of food supply veterinarians in the U.S.?

How you can help solve the critical shortage of food supply veterinarians

Learn more about FSVM in your state



The links below will guide you to tools that you and your organization can use to meet one of society's greatest needs – a safe and healthy food supply.

[Opportunities for students and tools for faculty:](#)

- Mentorship opportunities for students
- Educational and externship opportunities
- School debt-relief programs
- Tools for faculty
- Food supply veterinary career videos

[Tools for state associations, allied partners and industry:](#)

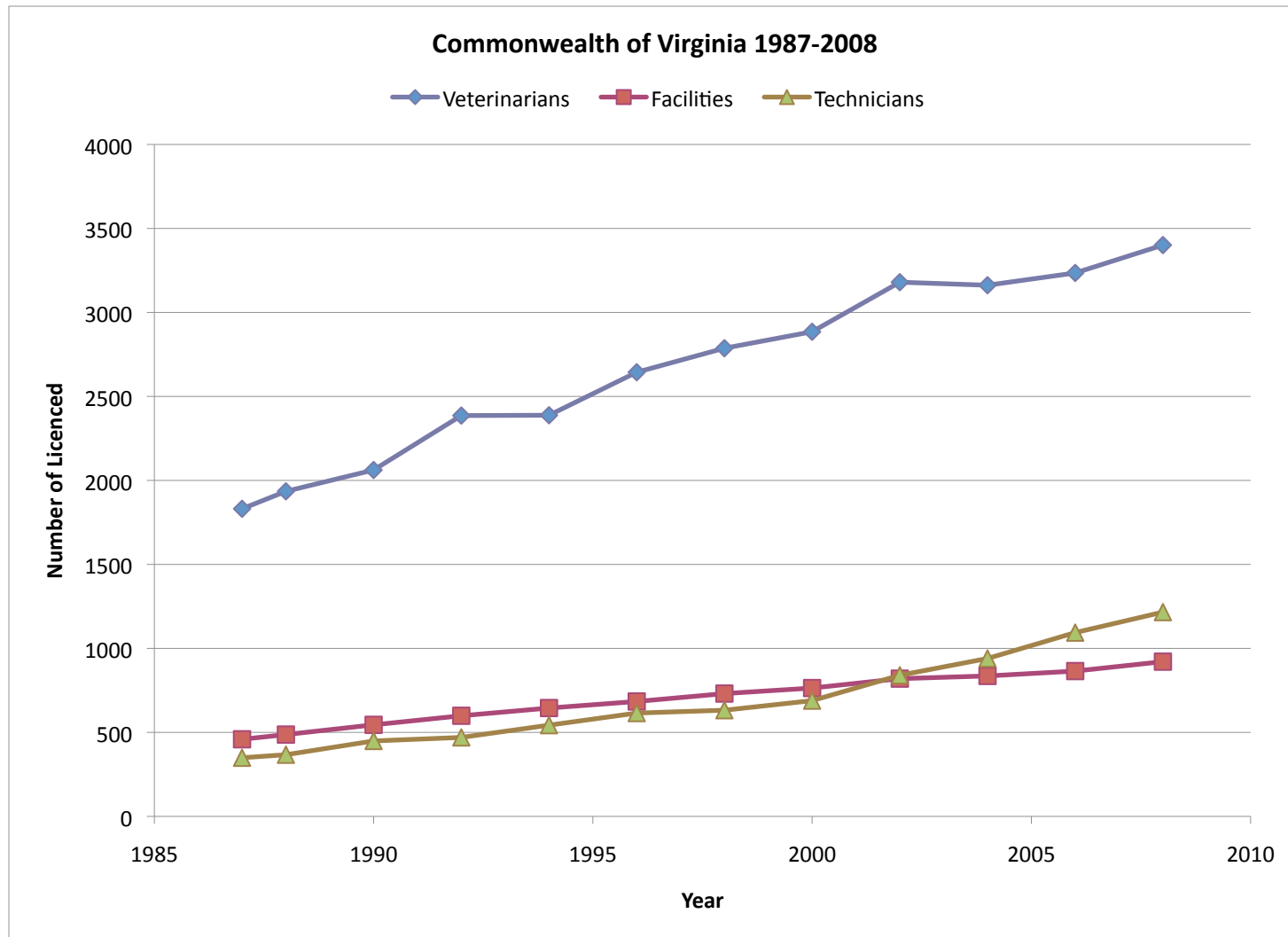
- State advocacy
- Recruiting tools
- Testimonials

[Studies and statistics](#)

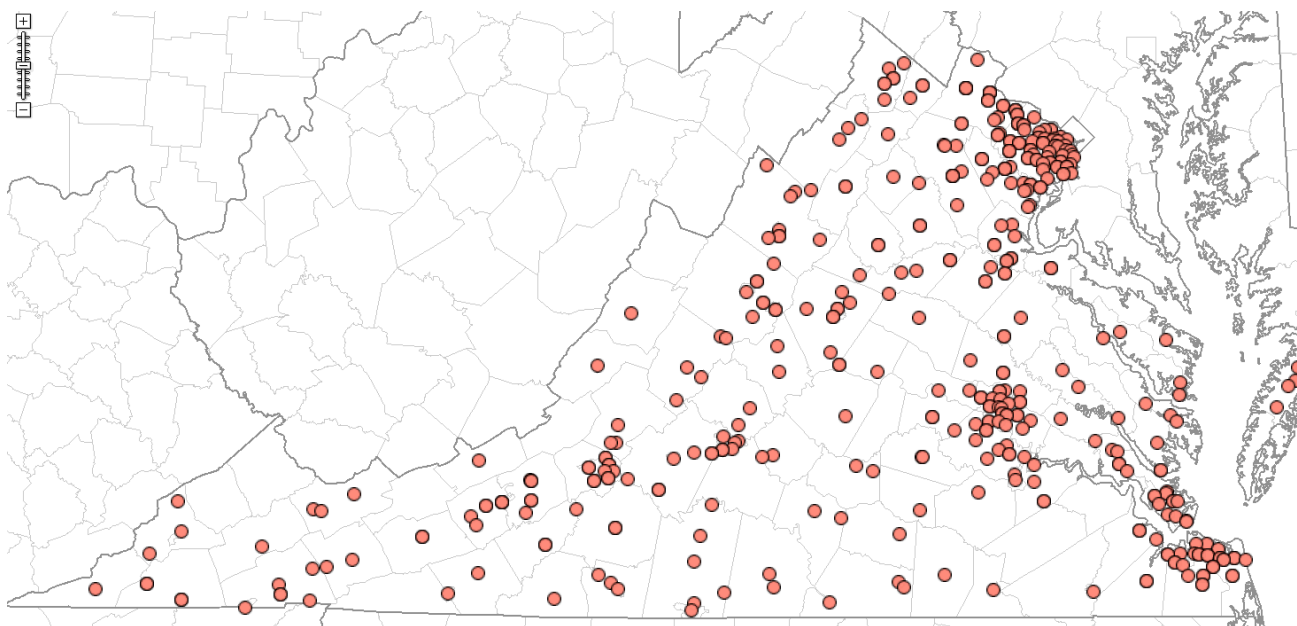
[Media coverage](#)

[Find careers in food supply veterinary medicine](#)

The Commonwealth 75 new DVMs / yr since 1987

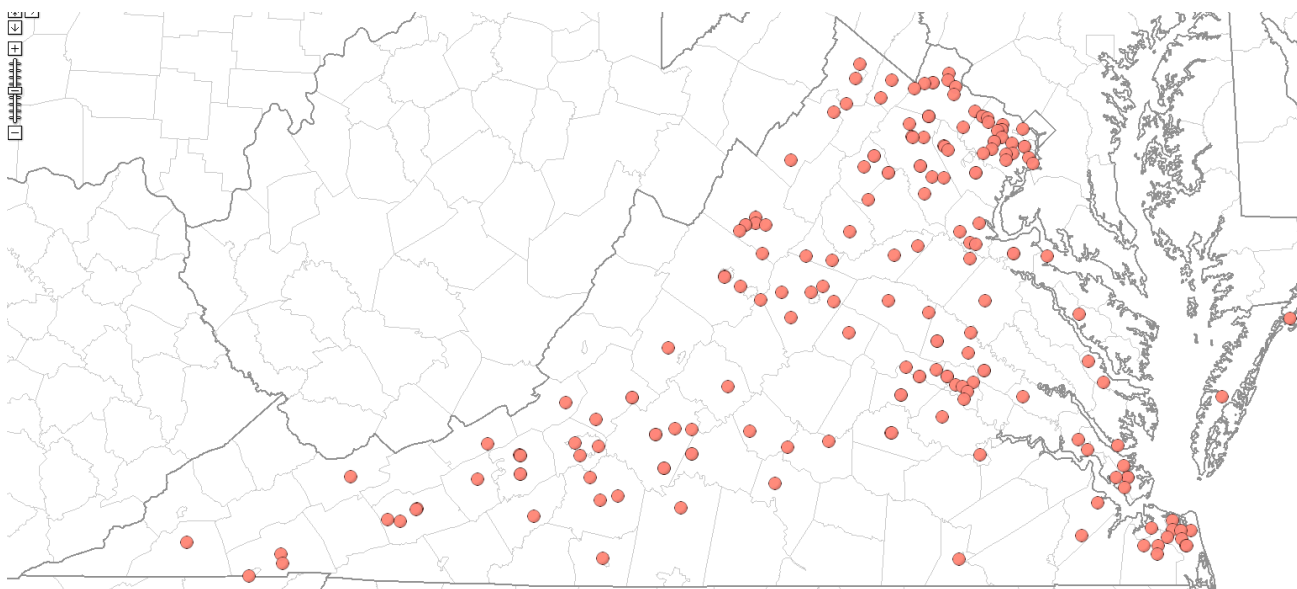


Va Dept of Health Professions



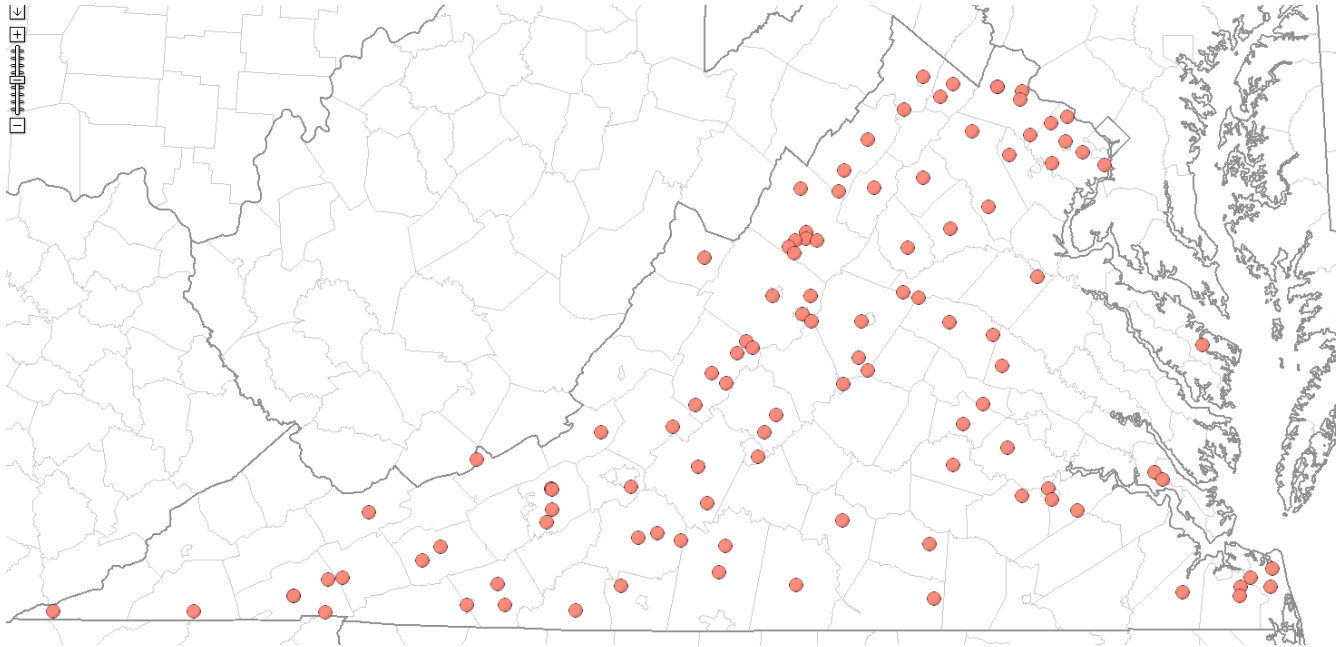
Veterinary Clinics

Full Service
N=696

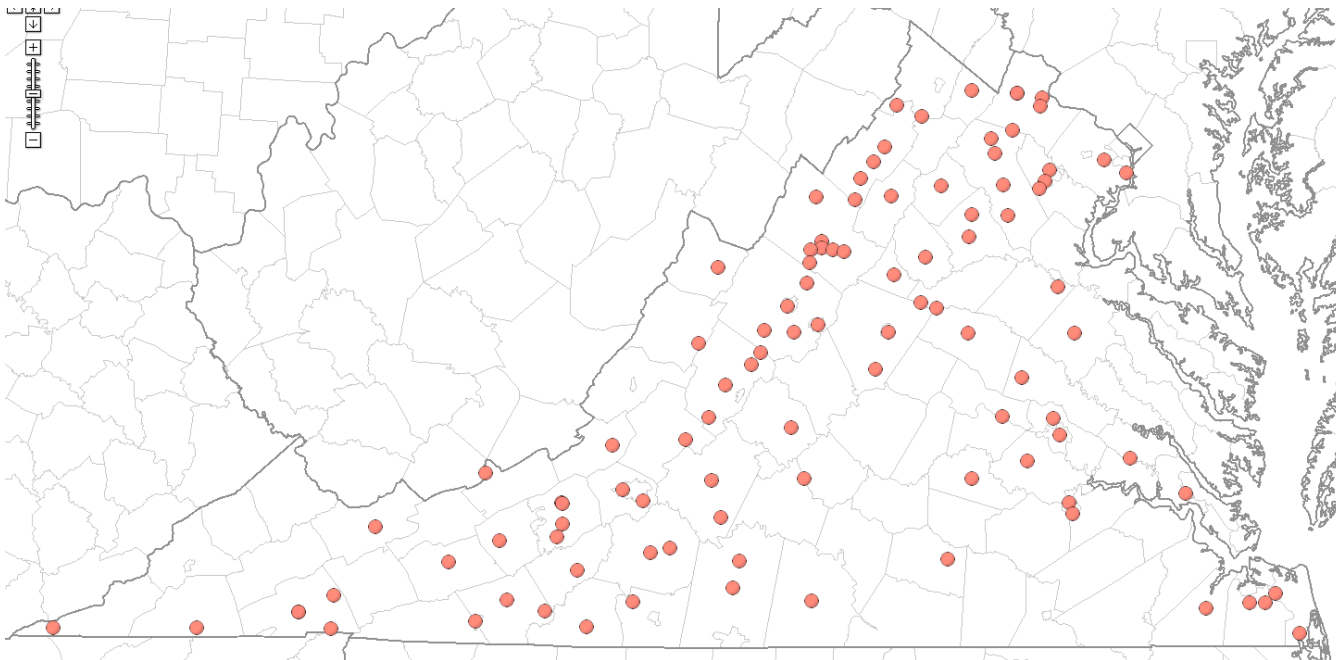


Restricted Service
N=225

Va Dept of Health Professions



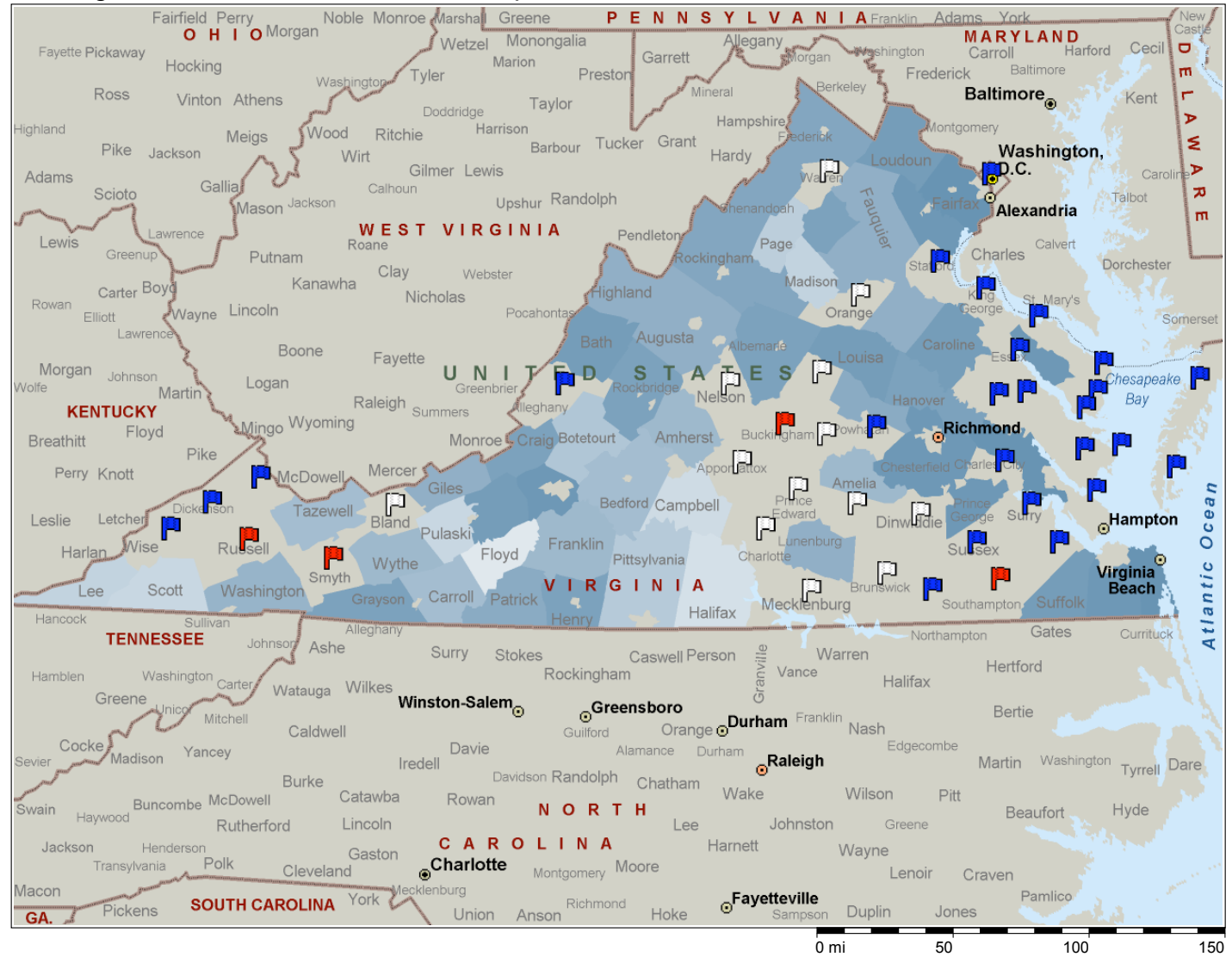
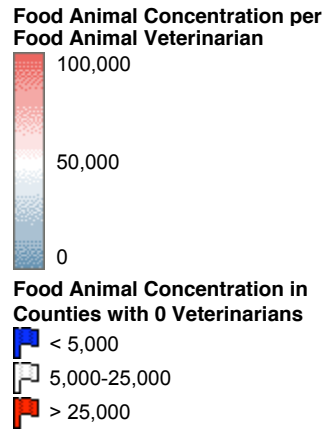
2001 Food Animal
Veterinarians
n=151 (51F, 100 M)
45 yrs old
in practice for 16 yrs



2008 Food Animal
Veterinarians:
n=140, (53F, 87 M)
48 yrs old
in practice 20 yrs

AMVA:
> 30 % food animal

Virginia: Food Animal Concentration per Food Animal Veterinarian



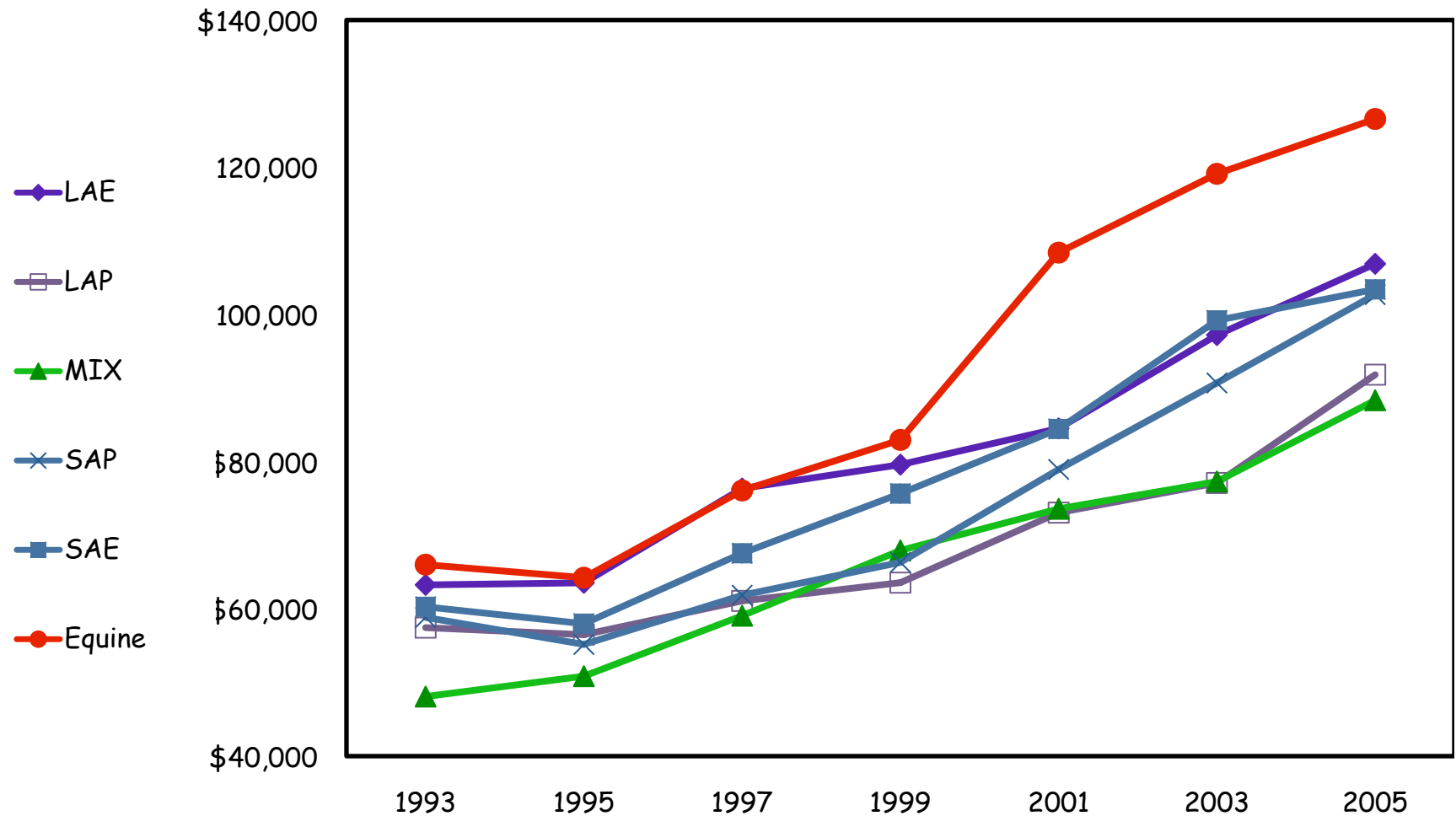
The hidden subsidy from the good old days

- Tuberculosis, Brucellosis, Hog Cholera
 - Federally Accredited Veterinarian
 - Health papers, disease management
 - Govt (Fed and State) supported testing for control and eradication provided a reasonable supplement to salary 60s-80s
 - Livestock market and farm
 - What else was being discussed while Bangs vaccinating the heifers?

Mini-Summary

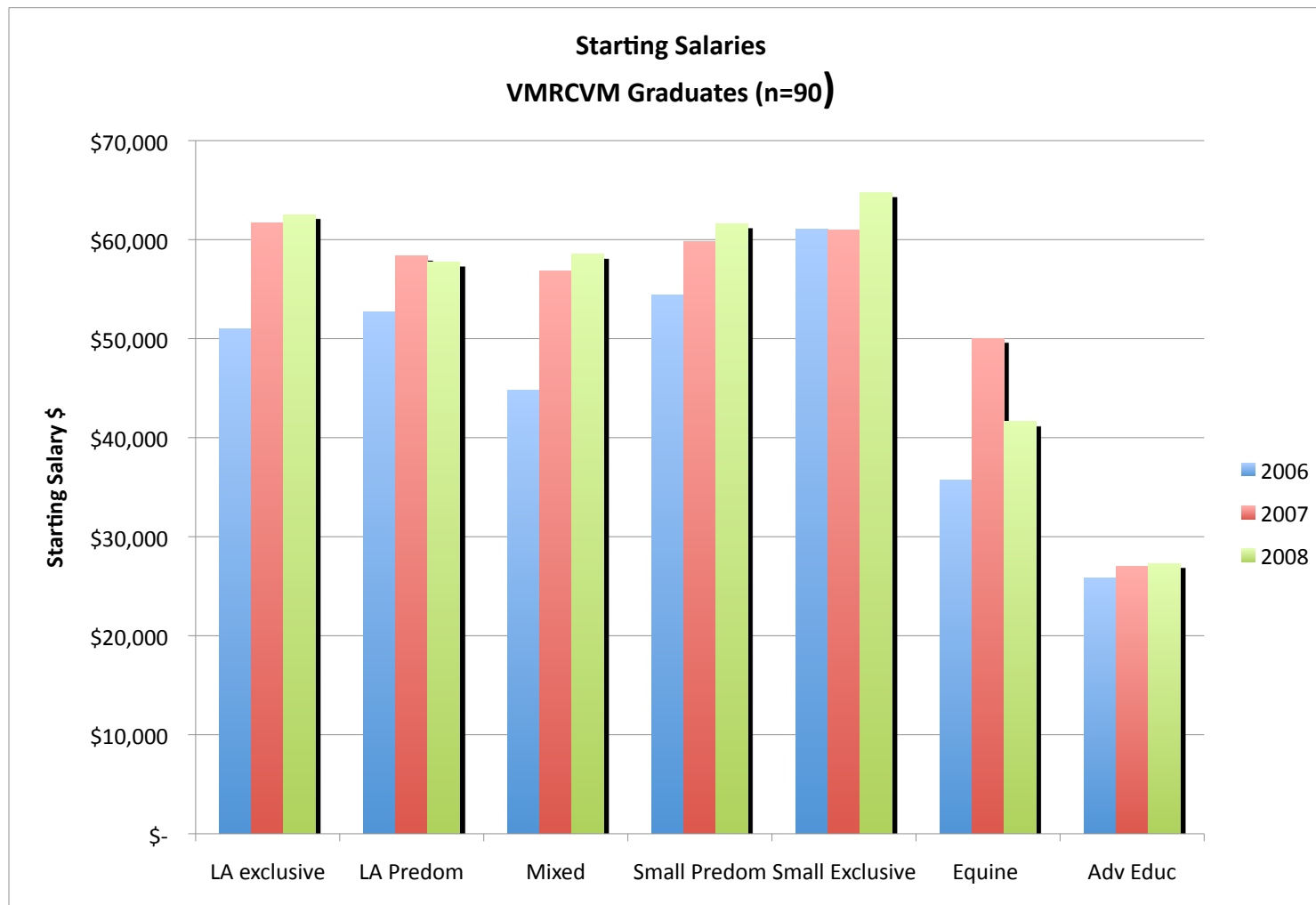
- National and Commonwealth
 - Decreasing number of practitioners serving food animals in rural communities
- Filling the gap?
 - Pharmaceutical / Biologic companies
 - Local Coop
 - Extension Service
 - Internet

AVMA 2007 Economic Report: Salaries

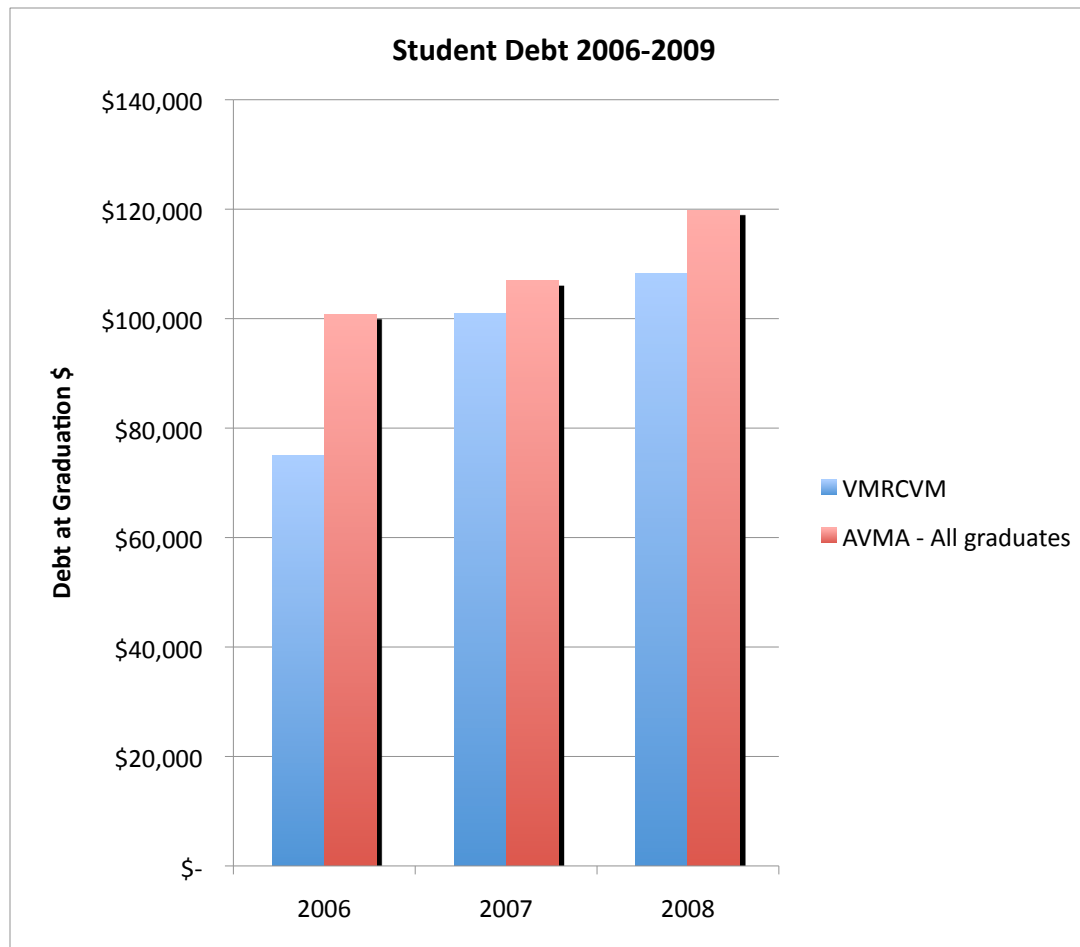


How about the pay?

New Graduate Salaries: VMRCVM



New Graduate Debt



Dental School Graduates

Educational Debt for All Graduates

	2001	2002	2003	2004	2005	2006	2007	2008
Entering Debt	\$12,367	\$10,068	\$14,097	\$19,369	\$19,876	\$23,365	\$22,731	**
Graduating Debt								
All schools	\$105,574	\$107,503	\$118,748	\$122,263	\$129,639	\$145,465	\$156,810	\$170,367
Public	\$81,586	\$85,840	\$93,622	\$99,553	\$104,483	\$124,700	\$136,047	\$186,218
Private & Private State-Related Schools	\$132,704	\$136,060	\$147,967	\$155,234	\$161,500	\$174,241	\$186,218	\$204,734

Source: ADEA Survey of Dental School Seniors 2008 Graduating Class

** Data not available

Medical School Graduates

Student debt statistics

- \$139,517 - According to the Association of American Medical Colleges, the average educational debt of indebted graduates of the class of 2007. The average debt of graduating medical students increased in 2007 by 6.9 percent over the previous year.
- 75.5 percent of graduates have debt of at least \$100,000
- 87.6 percent of graduating medical students carry outstanding loans

Source: AAMC 2007 Graduation Questionnaire

Mini-summary

- Students are in debt
 - But so are medical and dental students

javma

News

companion animals

AVMA journals > JAVMA News > Student loan debt

June 1, 2009

AAHA COVERAGE

AAHA sessions tackle student debt—'the elephant in the room'

Three students explain how they plan to handle debt, what they think about the issue

[Printer-friendly version](#)

Melissa Austin probably will owe about \$100,000. Ingrid Rhinehart's loans could total as much as \$200,000. Kelvin Urdy counts himself lucky because he might have only \$40,000 in debt.

These veterinary students were among many who attended sessions about educational debt during the recent meeting of the American Animal Hospital Association, March 26-29 in Phoenix.

The "Elephant in the Room" series debuted in 2008 at the North American Veterinary Conference, and some veterinary colleges have held similar sessions to look at approaches to addressing student debt.



Courtesy of AAHA

Veterinary students listen to a speaker during the "Elephant in the Room" sessions about educational debt at the recent meeting of the American Animal Hospital Association.

Solutions: AVMA Delphi panels

- Student debt repayment and scholarship for service in areas of need
- Increased activity of Food Animal Practitioners in training of DVM students
- Mentoring initiatives for students
- More food animal faculty at Colleges
- Expanded post-graduate fellowships in food animal
- Paid externship during summer
- Expand centers of excellence
- Marketing food animal practice
- Expanded paid work study positions

Solutions: AVMA Delphi panels

- Expanded job placement
- Focused recruitment of high school students
- Reserve class slots for food animal students
- Increased food animal early in DVM program
- Gov't supported Reserve Corps of food animal DVMs
- Expanded business and practice management
- Focused recruitment of women into food animal
- Best Business Practices guidelines for food animal practice
- Subsidized consulting in business and practice management



- Tracking
 - Concept: Define and deliver core material, allow students to pick Track to get additional elective experience
 - First designed for Senior Year: late 80s
 - Moved to years 2-4 in late 90s
 - Equine
 - Food Animal
 - Mixed
 - Public Corporate
 - Small Animal

Scholarships, mentorship

- First scholarship in College was directed to Food Animal Students
 - Clarence and Gertrude Leach Scholarship
- Partnered with VVMA in mentorship program
 - Few food animal mentors

Externships

- Partnered with Academy of Food Animal Practitioners with summer externship in mid 90s
 - Started in 2000
 - 2009: Page county - formally pre-med
- 2 students on Pfizer summer externship
- AABP / ARV / AVC summer and senior externships

Presenting ARV's 2009-10 Externship Awardees



Kyle Adkins
University of
Minnesota
Junior
Staples Veterinary
Clinic, MN



Jessica Collier
University of
California - Davis
Freshman
Steele Veterinary
Clinic, ND



Matt Faulkner
University of
Georgia
Senior
Perry Veterinary
Clinic, NY



Lauren Huggins
University of
California - Davis
Freshman
Lander Veterinary
Clinic, CA



Rochelle Reddig
Kansas State
University
Freshman
Killdeer Veterinary
Clinic, ND



Keri Thomas
Iowa State
University
Sophomore
Lander Veterinary
Clinic, CA



Eric Behlke
Iowa State
University
Junior
Belle Fourche
Veterinary Clinic,
SD



Sarah Davies
University of
Tennessee
Freshman
Elgin Veterinary
Hospital, TX



Nicole Giguere
Western University
of Health Sciences
Junior
Circle H
Headquarters, TX



Josh Krumbauer
University of
California - Davis
Freshman
Ashley Veterinary
Clinic, ND



Emilee Schilling
Texas A & M
Junior
Circle H
Headquarters, TX



Jenna Warner
Texas A&M
Sophomore
Whetstone
Veterinary Service,
MO



Kyle Berning
Kansas State
University
Junior
Circle H
Headquarters, TX



Morgan Douglas
Colorado State
University
Junior
Lander Veterinary
Clinic, WY



Mary Green
University of
Missouri
Junior
Ashley Veterinary
Clinic, ND



Kathryn Lynd
Virginia Maryland
Regional College
of Veterinary
Medicine
Sophomore
Healing Springs
Animal Hospital, VA



Angela Spann
University of
Florida
Junior
Mid-Texas
Veterinary
Associates, TX



Todd Wileman
Virginia Maryland
Regional College of
Veterinary Medicine
Sophomore
Cross Timbers
Veterinary Hospital,
TX



Heather Carlisle
Iowa State
University
Junior
Whetstone Veteri-
nary Clinic, ND



Josh Entlas
University of
California - Davis
Freshman
Whetstone Veteri-
nary Service, MO



Regan Leah Greene
Auburn University
Freshman
West Central
Veterinary Clinic,
IN



Sarah Nelson
University of
Georgia
Sophomore
Carge Animal
Mobile Veterinary
Services, IN




Aubrey Danielle
Shilohs
Auburn University
Sophomore
Cross Timbers
Veterinary Hospital,
TX



VIRGINIA-MARYLAND
REGIONAL COLLEGE OF VETERINARY MEDICINE

Student Clubs


**VIRGINIA-MARYLAND**
REGIONAL COLLEGE OF VETERINARY MEDICINE

Search VMRCVM

Go

Navigation

- Home
- Officers
- Schedule
- Pictures
- Fundraising Items
- Links
- Ride Along Rules
- Opportunities
- Database



FAPC
Food Animal Practitioners Club
at the VMRCVM

Welcome

Our next meeting is Tuesday, April 14th at 5:30PM - Rounds!

Don't forget about the Bovine Hoof Trimming Wetlab next Saturday, April 18th!

-New Pictures of our recent [Goat Ultrasound Wetlab](#) and [Swine Processing Wetlab](#) posted!

Download our [Food Animal Student Contacts List](#) (PDF)

Please visit this webpage, our shadowbox near the library or feel free to contact our officers with any questions.

Links

- VMRCVM
- DVM Program
- Student Organizations

Admissions

- Grades
- GRE
- Experiences
 - Animal
 - Veterinary
 - Biomedical
- References

Class of 2012

176 qualified applicants for 50 positions

GPA 3.66

GRE 1825

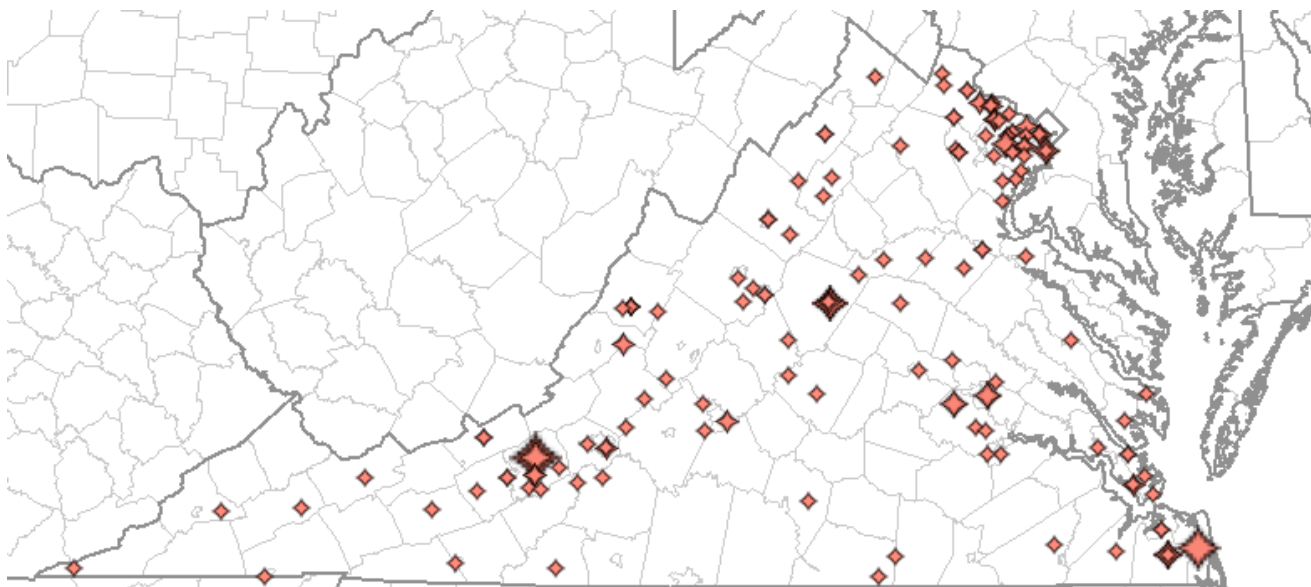
39 F, 11 M

"I feel it is my obligation to the taxpayers of the Commonwealth, to admit the 50 students most likely to complete the curriculum"

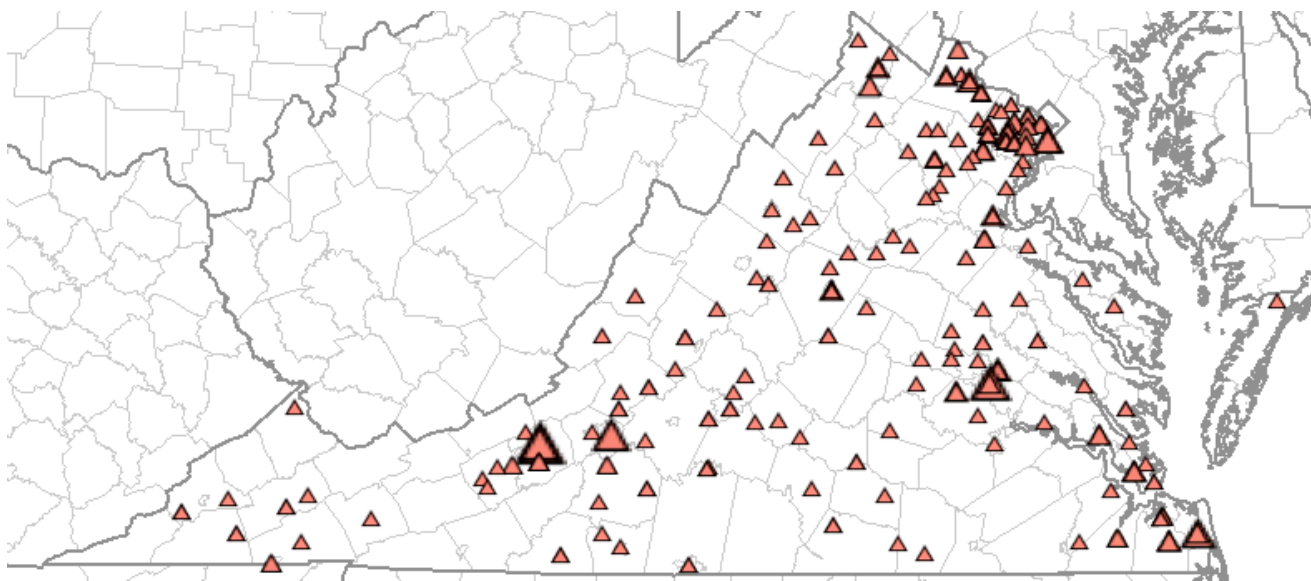
Admissions

- The story of Bob
 - Worked in the hospital
 - Applied to VMRCVM and other schools
 - Not admitted to VMRCVM
 - Received degree at another US school
 - Now working on Food Animals in Virginia
 - Personal level - this hurts
 - Global level - he is contributing to the Food Animal Shortage in Va

VMRCVM
Classes of 2010-2013



Accepted
N=197



Rejected
N=293

Our job

- (i) determine the supply and demand for large animal veterinarians in Virginia, including by region of the Commonwealth
- (ii) ascertain the causes of the shortage of such veterinarians and recommend immediate and long-term alternatives to ameliorate the demand

Our job

- (iii) address the salary and working conditions of large animal veterinarians relative to the debt burden of recent graduates
- (iv) propose incentives to encourage students to choose veterinary medicine as a career and large animal practice
- (v) establish a profile of applicants to veterinary medicine school;

Our Job

- (vi) determine the efficacy of increasing the Virginia-Maryland Regional College of Veterinary Medicine's capacity
- (vii) consider such other factors that may influence the practice chosen by veterinarians

Back to Snizek and Bryant: 1976

- *In this regard, students and practicing veterinarians alike who had been raised in rural areas were found to be significantly more likely to anticipate, or to be currently engaged in, mixed or large animal practice, while individuals raised in more urban areas were found to favor small animal practice.*

Back to Snizek and Bryant: 1976

- *Instead, no statistically significant differences were found in either the anticipated or actual incomes of veterinary students and practicing veterinarians, respectively, when related to their specific type of private practice.*
 - *Nevertheless, to the extent to which a belief in such income differentials, extant among students and practitioners, is allowed to perpetuate, future veterinarians may very well be dissuaded from practicing mixed or large animal veterinary medicine because of financial considerations.*

Back to Snizek and Bryant: 1976

- it would appear that if the pattern of intraoccupational career movement from large to companion animal practice is to be reversed or blunted, then the conceptualization found in many pre-veterinary and veterinary schools, concerning mixed or large animal veterinarians as lacking the appropriate medical aura and professional prestige vis-a-vis companion animal practitioners, will have to be remedied.

Back to Snizek and Bryant: 1976

- *And finally, one cannot help but notice the striking similarity between the plight of farmers in securing veterinary services and that faced by rural communities in attempting to obtain adequate human health services.*

Summary

- Geography
 - Rural practitioners tend to be from rural areas
- Generations
 - Work in groups and are community oriented, not very interested in an 120 hr work week, desire a mentor
- Gender
- Greenbacks
 - Debt vs net worth vs cash flow
- Government
 - Current environment what is feasible?
 - Is this a rural health care issue?