Penn Vet Represents a Premier Public-Private Partnership that Delivers Results for the Commonwealth

$30.4 million in state funding in FY17

$139.6 million

$109.2 million in additional revenue sources

$38.7 million in clinical and other revenue

$32.3 million in research revenue

$24.7 million in tuition

$13.4 million in investment and gift income

Penn Vet leverages the $30.4 million in support it receives from the Commonwealth with $109.2 million in additional revenues.

Penn Vet plays a critical role as a research and service provider to Pennsylvania agriculture while providing for the public health and safety of the Commonwealth’s food supply.

In addition to these vital functions, the Penn Vet / Pennsylvania partnership produces $260 million in economic impact within the state economy.

Penn Vet Operations

Education

490 students enrolled

181 PA students received $1.8M in tuition reduction and scholarships in FY17

Research

233 research projects

$32.3M in research dollars expended

34% towards infectious disease research

Services & Outreach

1,000,000 animals protected against disease in 2015 by the Penn Vet Field Investigations Unit

5,245 student hours logged working with producers to increase profitability and productivity

STUDENT IMPACT

72% of Penn Vet graduates stay in Pennsylvania

75% of practicing veterinarians in PA are Penn Vet alumni

1,960 Penn Vet alumni in Pennsylvania

ECONOMIC IMPACT

$260 million economic impact

1,520 direct and indirect jobs supported

Penn Vet provides statewide support for the agribusiness industry. The industry, which employs over 170,000 Pennsylvania residents, is a leading economic driver of the Commonwealth economy.
Penn Vet's Partnership with the Commonwealth Yields Vital Public Benefits

**Penn Vet**

*Penn Vet aligns its research with the most pressing issues facing the Commonwealth's agriculture industry. This approach yields innovative practices that enhance productivity and gives Pennsylvania farmers a competitive edge.*

1. **Agricultural Production**
   - **Poultry**
     - Penn Vet's Laboratory of Avian Medicine and Pathology routinely tests for avian influenza to ensure the safety of Pennsylvania's food supply.
   - **Dairy**
     - Penn Vet's Marshak Dairy serves as a working dairy for providing hands-on student teaching and as a working research farm to address current issues facing the dairy industry.
   - **Swine**
     - 47% of sows across 23 PA counties live in alternative housing models based on the work of Penn Vet's Swine Teaching and Research Center, increasing access to rapidly emerging markets.
   - **Environmental Sustainability**
     - With flexible research priorities and a strong working relationship with producers throughout PA, Penn Vet can pursue innovative solutions to new issues as they emerge.

2. **Community Health**
   - **Practicing Alumni**
     - Penn Vet gives priority to Pennsylvania residents in its admission process, yielding a student body comprised of nearly 40% in-state residents. These students receive $2.7 million in tuition reduction and scholarships each year to offset their costs.
   - **Animal Diagnostic Labs**
     - Penn Vet is one of three partners in PADLS, which aims to protect animals and humans from health threats by researching, testing, and controlling disease.
   - **Equine Toxicology Lab**
     - Penn Vet's Equine Toxicology and Research Laboratory conducts research to ensure the well-being of the state's equine industry. It is the only facility in the state equipped to perform equine drug testing required for racing in the Commonwealth.

**Penn Vet**

*Penn Vet protects public health through its training, diagnostics, and research. The School’s “One Health” philosophy recognizes that animal and human health are inextricably linked.*

- **35%** of all practicing veterinarians in the Commonwealth are Penn Vet alumni, serving as the first line of defense for animal, community, and public health.
- Animal to human diseases are among society’s biggest threats. Penn Vet’s role in preventing epidemics through the tracking of animal disease is a critical component in protecting public health in Pennsylvania.
- Penn Vet’s researchers attracted more than $19 million in federal funding in FY16, bringing highly mobile and specialized activities into Pennsylvania.
- Penn Vet processes **31,000** testing samples each year to support Pennsylvania’s horse racing industry which annually generates **$1.6 billion** in economic activity.

Penn Vet works closely with producers and the Center for Dairy Excellence to support the dairy industry, which generates more than **$6 billion** in annual economic impact and more than **60,000** jobs, making PA the 5th largest dairy producing state in the country.

- **90%** of Pennsylvania’s pigs across more than **500** farms are on Penn Vet’s disease surveillance program, which has reduced swine disease prevalence by **30%** through control and prevention. Penn Vet’s reproductive performance surveillance program covers nearly **98%** of sows bred in PA.
Nearly All U.S. Vet Schools are State-Supported

Fully Accredited Veterinary Schools in the United States

Veterinary schools are located in nearly every state with a major production agriculture sector. Nearly all of these institutions are supported by state funding.

25 of 28

Fully accredited veterinary schools are land-grant universities and receive significant public support for operations, facilities, and infrastructure.

Top Ten Vet Schools in the U.S.

<table>
<thead>
<tr>
<th>Vet School (US News 2015 Rank)</th>
<th>Total Revenues ($M)</th>
<th>State Support ($M)</th>
</tr>
</thead>
<tbody>
<tr>
<td>University of California—Davis (1)</td>
<td>$209</td>
<td>$95</td>
</tr>
<tr>
<td>Cornell University (2)</td>
<td>$153</td>
<td>$35</td>
</tr>
<tr>
<td>North Carolina State University (3t)</td>
<td>$81</td>
<td>$35</td>
</tr>
<tr>
<td>Colorado State University (3t)</td>
<td>$144</td>
<td>$57</td>
</tr>
<tr>
<td>Ohio State University (5t)</td>
<td>$66</td>
<td>$15</td>
</tr>
<tr>
<td>University of Wisconsin—Madison (5t)</td>
<td>$59</td>
<td>$11</td>
</tr>
<tr>
<td>University of Pennsylvania (7t)</td>
<td>$140</td>
<td>$30</td>
</tr>
<tr>
<td>Texas A&amp;M (7t)</td>
<td>$105</td>
<td>$19</td>
</tr>
<tr>
<td>University of Minnesota—Twin Cities (9)</td>
<td>$104</td>
<td>$21</td>
</tr>
<tr>
<td>Tufts University (10)</td>
<td>$85</td>
<td>$5</td>
</tr>
<tr>
<td>Average</td>
<td>$115</td>
<td>$32</td>
</tr>
</tbody>
</table>

For over 130 years, Penn Vet has been a major contributor to Pennsylvania agriculture, which is currently ranked #1 in animals and products in the Mid-Atlantic/New England states, and one of the top 15 states in the U.S.

Penn Vet leverages $3.6 in additional revenue for every $1 provided by the state. This ratio exceeds the average return on state support for the top 10 rated vet schools of $2.55 : $1.

Commonwealth Appropriation to Penn Vet ($M)

Funding from the Commonwealth of Pennsylvania to Penn Vet has decreased 29% since FY08