

BOARD OF TRUSTEES: ACADEMIC AFFAIRS COMMITTEE

College Report on Operational Excellence | April 2023

Willie M. Reed, DVM, PhD, DACVP, DACPV

Dean, Purdue University College of Veterinary Medicine



College of Veterinary Medicine

Organizational Structure

Purdue Provost

College of Veterinary Medicine
Dean

IU School of Medicine
Medical Education Program

Animal Disease
Diagnostic Laboratory

Purdue University
Veterinary
Hospital
Caesars
Entertainment Equine
Specialty Hospital

Engagement
Associate Dean
0.5 FTE

Academic Affairs
Associate Dean
0.75 FTE

Academic Departments:
Basic Medical Sciences
Comparative Pathobiology
Veterinary Clinical Sciences

Research & Graduate Studies
Associate Dean
0.5 FTE

Business Office
Advancement
Development
Diversity, Equity and
Inclusion
Information Technology

Purdue Veterinary Medicine:
Faculty, academic staff: 158
Staff: 386
DVM Students: 328
Veterinary Nursing Students: 546
Graduate Students/Trainees: 125

IU School of Medicine:
Faculty: 21
Staff: 8
MD Students: 64

Alumni Relations & Special
Events
Lifelong Learning
Distance Learning
Extension
P-12 Programs
International Programs
Public Affairs &
Communications
Web Communications

Curriculum
Academic Standards
Veterinary Nursing
Student Services Center
Counseling & Wellness
Services
Outcomes Assessment

Center for Animal Welfare Science
Purdue Comparative Oncology Program
Center for Comparative Translational
Research
Veterinary Clinical Trials
Equine Sports Medicine Center
Center for the Human-Animal Bond
Center for Paralysis Research

Key Efforts to Enhance Operational Excellence

Veterinary Administration

Full Accreditation by AVMA Council on Education

Reorganization of Academic Affairs to focus on Clinical Education (DVM Year 4)

Reorganization of Student Services to better support our students

Completed a comprehensive College Master Plan – 5 Phases

Purdue Veterinary Hospital

- Successfully opened the New Brunner hospital complex with expanded services
- New service – State-of-the-art Rehabilitation Service
- Expanded imaging capabilities – standing equine CT
- Equine ICU and reproductive services

Animal Disease Diagnostic Laboratory (ADDL)

- Tests run in 2022: 121,880
- Accessions in 2022: 29,478 animal cases (66% from Indiana, 34% from out-of-state).
- Diagnostics
 - For Purdue's COVID-19 testing strategy – 213,726 SARS-CoV-2 PCR tests done
 - First-of-its kind vector-borne disease panel screening for 22 pathogens in a single test
 - > 12,000 avian influenza PCR tests completed in 2022.

Research and Graduate Studies

Graduated the first cohort of students (n = 6) in the Purdue University Post-Baccalaureate Research Education Program (PREP) for Translational Biomedical Sciences.

- This NIH-funded program prepares URM students for graduate training, careers in biomedical research.

Continued investment in shared equipment rooms, maintenance contracts and in core research laboratories.

Learning

New DVM active learning course to promote professional development and lifelong learning skills

Competency-Based Veterinary Education (CBVE) -- Working toward CBVE model for DVM & VN students

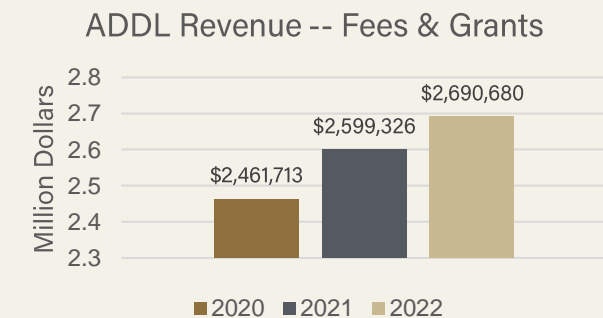
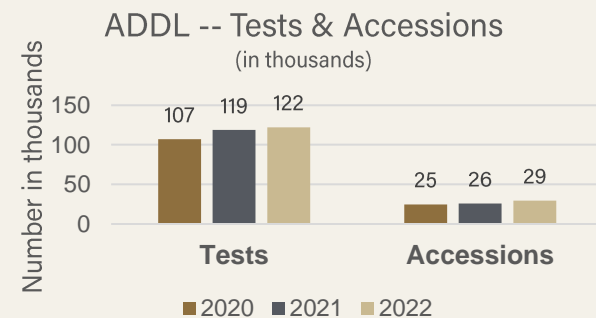
Plan for increase in DVM class size

Shelter Medicine Program

- Service to Indiana shelters while providing surgical & anesthesia experiences to DVM & VN students
- New off-campus shelter medicine elective rotation at Indy Humane provides more hands-on experiences for 4th-year DVM students

VNDL program available for Huntington University students: To earn 2 degrees in 4 years –

- Bachelor of Science in Animal Health from Huntington University and
- Associate in Applied Science in Veterinary Nursing from Purdue



College of Veterinary Medicine

Key Success Stories That Advance Strategy

Veterinary Administration

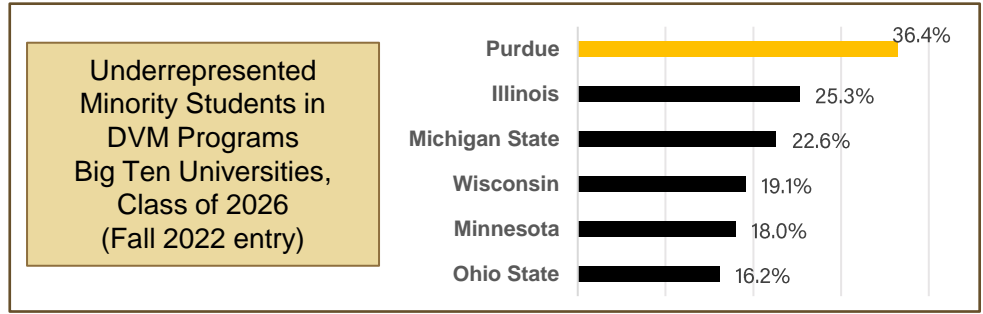
Construction of a new Veterinary Hospital – 3 buildings completed and new hospital inaugurated in April 2022

National ranking: # 13 out of 33 U.S. Colleges of Veterinary Medicine
1 among the Top 50 Veterinary Nursing Programs

Diversity programs' success (within the last 15 years)

<p>Among DVM students From 6.7% URM in the 2000s to 29.2% in 2022 30.7% URM and international students in 2022 36.4% URM in Class of 2026 (fall 2022 entry)</p>	<p>Among faculty, over a 15-year time period: From 7% to a high of 30% URM From 30% to a high of 55% women</p>
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Recipient of the 2020, 2021, and 2022 Health Professions Higher Education Excellence in Diversity (HEED) Award from INSIGHT into Diversity



Discovery

In the last 7 years:

75 invention disclosures, 181 patent applications, 51 patents issued and 7 start-ups

Over the last 4 years:

Continued increase of research funding \$11M to \$14.1M

Engagement

The League of VetaHumanz

- PVM-led NIH, NIGMS, SEPA-supported National Veterinary STEM program for under-resourced K-4 children
- 460 active role models on 34 teams in 24 states with 1,971 participations in 2022
- 18,713 SuperPower Packs delivered
- Winner of three '2022 Academics' Choice Brain Toy Awards' and an 'Inspiring Programs in STEM' award

Study abroad experience

- In 2022, PVM provided study abroad scholarships to students visiting 16 countries

Website and Social Media

- Our reach was up 8.3% in 2022 for a total of 8.7 million people
- PVM's social media ranking is 3rd among our peer institutions and #1 among Purdue college accounts

National Center for Diversity & Inclusion in Veterinary Medicine:

- Certificate program on diversity & inclusion with updated design, curriculum (30 schools participate; international reach). From 2013-2022, ~ 3,000 participants, 2/3rds are non-PVM participants; ~ 25% faculty, 25% staff, 50% students.

PVM Development

FY	Commitments
2018	\$ 8,577,426
2019	\$10,522,582
2020	\$ 8,135,725
2021	\$24,613,501
2022	\$20,900,832
2023 YTD	\$20,387,536

Fund-raising successes

Purdue Comparative Oncology Research Center named for Evan and Sue Ann Werling:

\$10 million gift

Purdue Equine Sports Medicine Center named as Donald J. McCrosky Equine Sports Medicine Center :

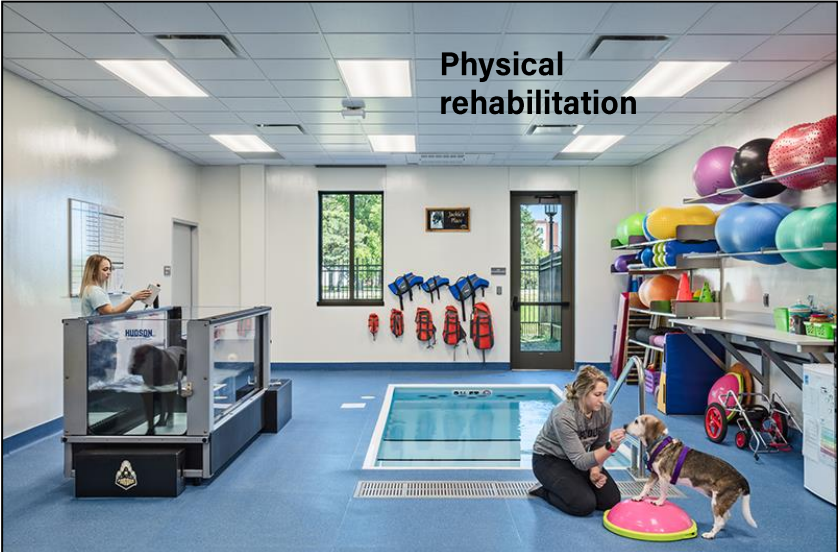
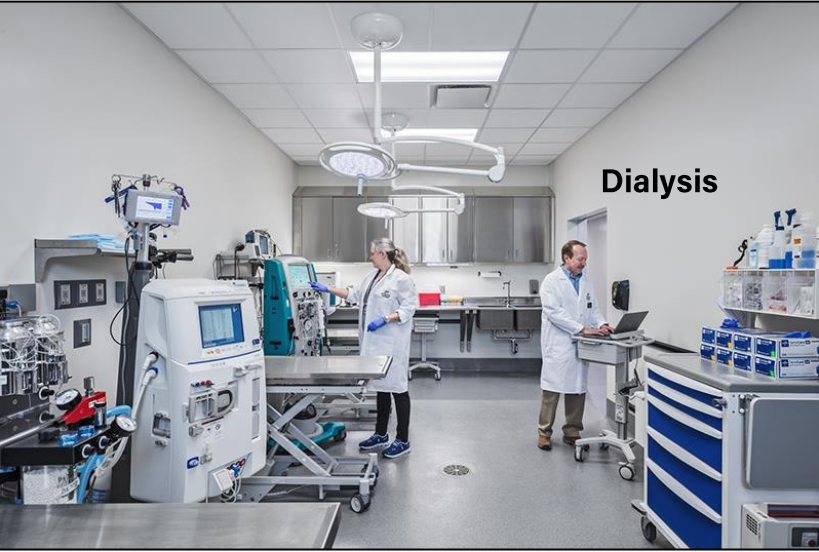
\$3 million gift



New Purdue Veterinary Hospital: Update



Phase I completed: New Small Animal Hospital



College of Veterinary Medicine

New Purdue Veterinary Hospital: Update



Equine Hospital

Anesthesia induction & recovery



Diagnostic Imaging



Surgery complex



Theriogenology



College of Veterinary Medicine

New Purdue Veterinary Hospital: Update



Cattle treatment



Drive through unloading

Farm Animal Hospital

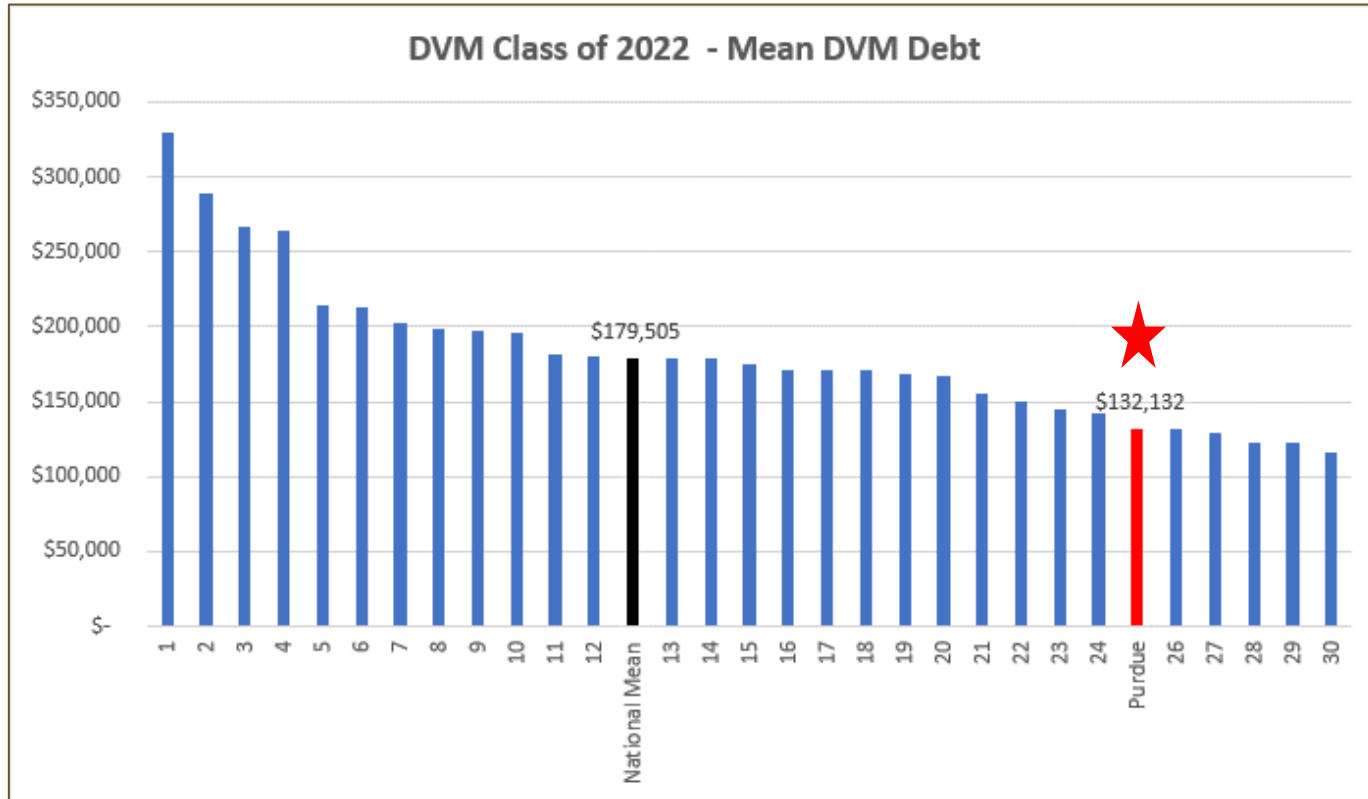


Cattle stalls



College of Veterinary Medicine

Key Success Stories That Advance Strategy



Purdue ranked 25th in debt among 30 U.S. colleges in 2022
 Compared with 20th among 28 U.S. colleges reported in 2013

DVM Class	Purdue mean total* educational debt	National mean total* educational debt
2018	\$168,898	\$199,643
2019	\$163,897	\$199,148
2020	\$145,336	\$204,675
2021	\$175,866	\$201,863
2022	\$155,795	\$194,725

*DVM + undergraduate

DVM Class	Purdue DVM mean starting salary for private practice	National DVM mean starting salary for private practice
2018	\$82,273	\$77,546
2019	\$88,909	\$86,245
2020	\$94,053	\$92,796
2021	\$100,617	\$97,879
2022	\$114,884	\$114,266

Mean calculated after excluding DVM students with no debt
 Data Source: AVMA 2023, AVMA 2013



College of Veterinary Medicine

Key Strategic Issues, Plans for Next 3-5 Years

Strategic Plan Focus Areas: Programmatic Excellence, Collaboration, Food Animal Focus, and Investing in People

Learning

Prepare for DVM enrollment growth; plan for VN* enrollment growth

- To address shortages in veterinary workforce nationally and in-state

Transition of DVM and VN curricula to CBVE*-based curricula

Strengthen Veterinary Nursing Program's linkages with DVM program

- Training the veterinary team
- Train DVMs to fully utilize veterinary nurses
- 1 of 4 schools with embedded VN program

Prepare graduates for careers in the food animal sector

Advance our master plan to address our teaching and research needs

Residency program in Lab Animal Medicine

Discovery

Achieve excellence in primary areas of research focus

Facilitate clinical trials in the Hospital/ADDL

Improve research infrastructure

Expand comparative oncology

Expand Equine Sports Medicine

New center for Clinical and Translational Research

Engagement

Promote PVM clinical and diagnostic services to the veterinary community

Further develop shelter medicine program

Expand international partnerships in educational and discovery opportunities

Promote veterinary/biomedical careers and animal health through P-12 and undergraduate engagement activities

Opportunities to Strengthen Further

Opportunity to increase DVM enrollment by 50%

- Working with Provost to identify costs to address facilities bottlenecks

Opportunity to expand and enhance research presence, scale & impact

- Part of a plan to take us to the top 10th percentile of schools nationwide
- New cross-campus prioritization scheme launched to identify research space

AVMA Council on Education (COE) accreditation visit:

- Quality of existing teaching laboratory and classroom space to be evaluated
- Expecting plan to address Phase 2 renovation of small animal hospital

* VN = Veterinary Nursing; CBVE = Competency-Based Veterinary Medical Education