

College of Pharmacy

Council of Deans Presentation



January 20, 2009

Academic Programs



Academic Programs

Enrollments as of September 2008:

PharmD program	490
<ul style="list-style-type: none"> • <u>117</u> P-4 students 	
Nontraditional PharmD (NTPD)	60
BS Pharmaceutical Sciences	477
MS/PhD Graduate Programs	90
TOTAL	1,117



Tenured/Tenure-track Faculty, Clinical-track Faculty,
Research-track Faculty, and Teaching Professionals = 57

Pharm.D. Program

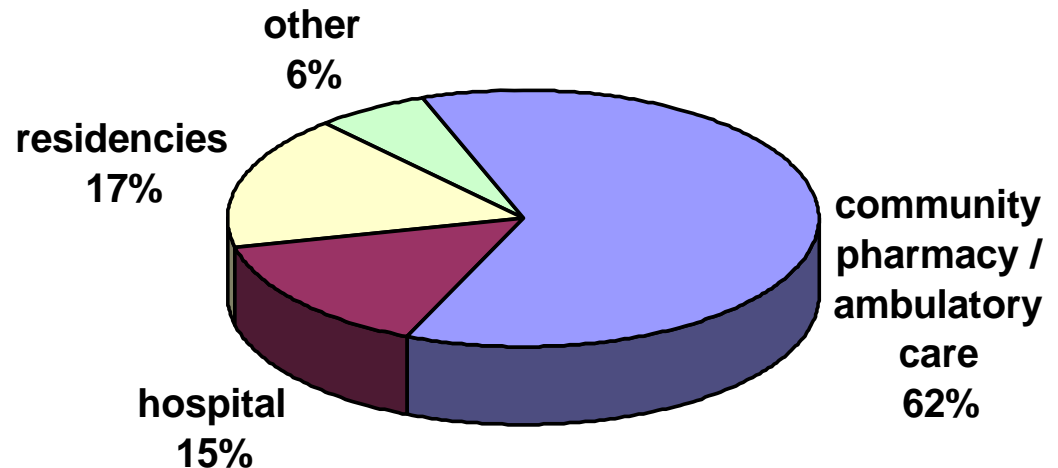
2008-09 Enrollment:

PharmD 1	134	(courses)
PharmD 2	123	(courses)
PharmD 3	116	(courses)
PharmD 4	117	(rotations)
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TOTAL	490	

*Averaged over
900 applicants
per year*



2008 PharmD Graduates



PharmD Professional Experiences Sites 2007-08 Academic Year

IPPE's:

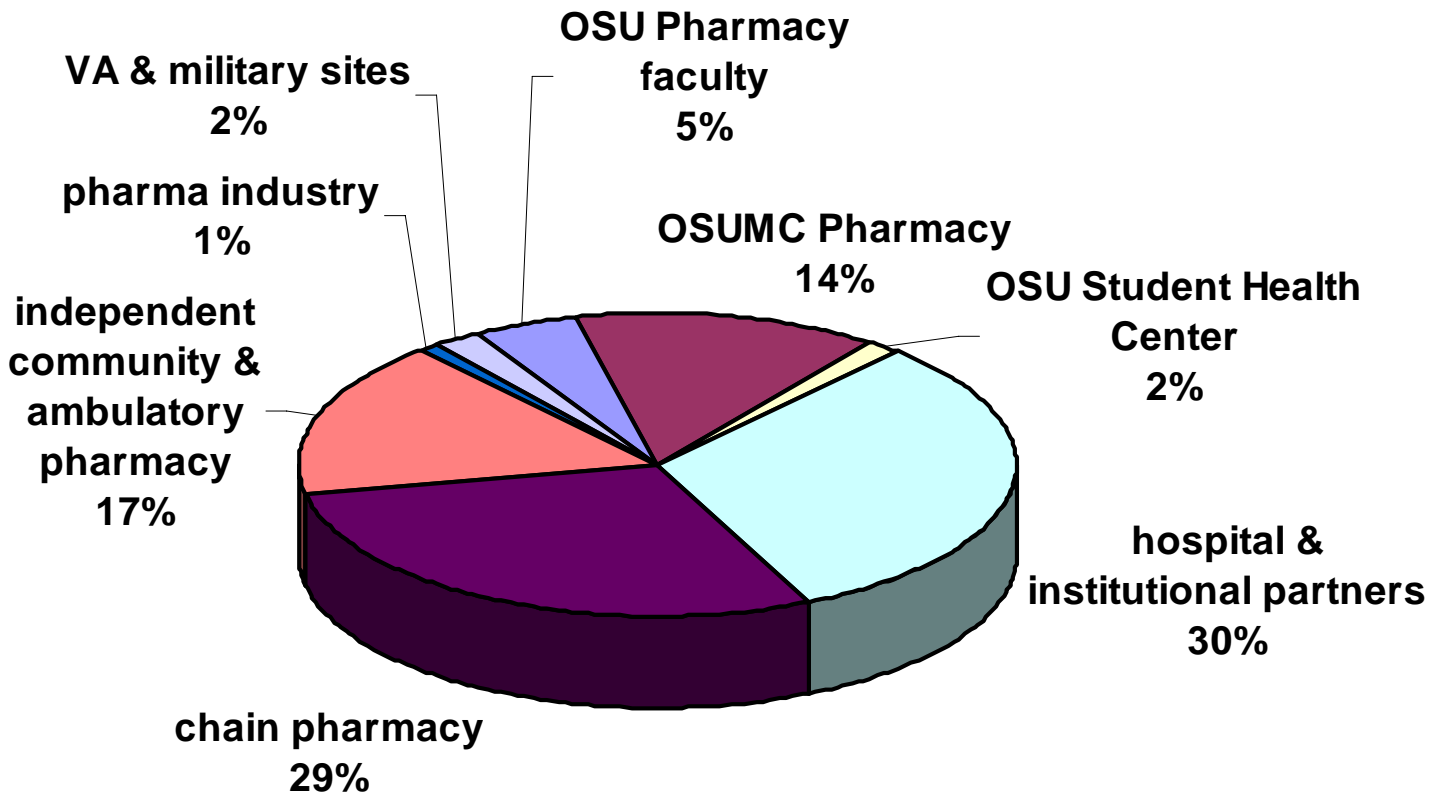
Pharm 664 = 124 students

Pharm 784 = 116 students

APPE's:

Pharm 799 = 111 ELPD, 30 NTPD

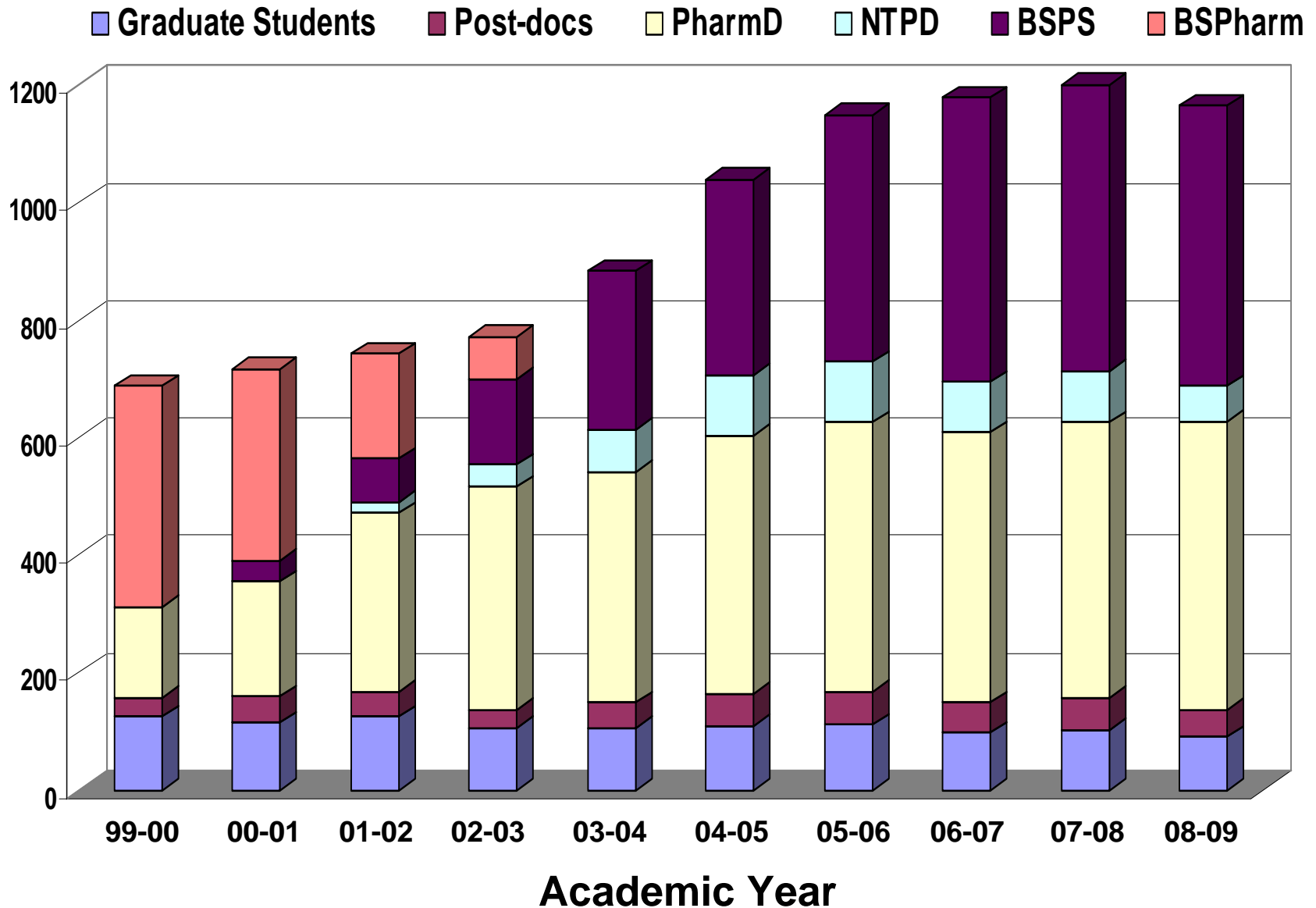
total of 1,095 student months



1,160 approved experiential preceptors

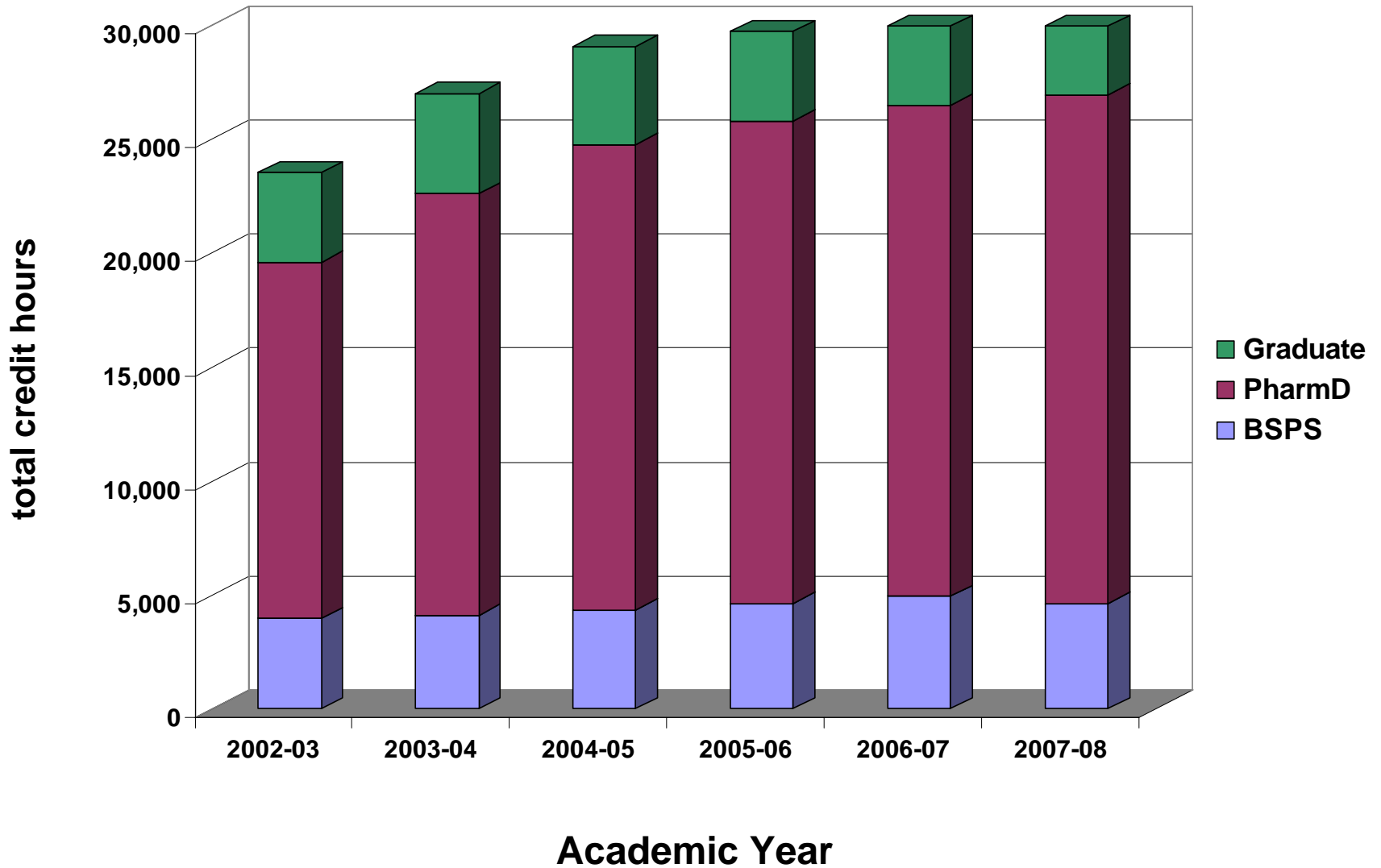


Student Enrollment Trends





Credits Hours taught in College



Strategic Priorities

Advancing Outstanding Educational Programs in Pharmacy and Pharmaceutical Sciences

- **Curriculum & Assessment**: To review and to re-design the curriculum via assessment processes.
- **Experiential Programs**: Enhance experiential program assessment and identify the areas of experiential training where growth is needed (number, expertise).
- **Facilities**: Make needed improvements to the College classrooms and infrastructure.
- **Scholarships and student support**: Increase development efforts for student scholarships.

Faculty and Staff



Medicinal Chemistry & Pharmacognosy – design and discovery of new drugs, synthetic medicinal chemistry, natural products chemistry, molecular modeling.

Pharmaceutics – development of drug delivery and targeting systems, analysis of changes in drug concentrations and effects (pharmacokinetics).

Pharmacology – determination of biochemical and physiological mechanisms by which drugs exert their biological effects.

Pharmacy Practice & Administration – determination of optimal therapies and dosage regimens of drugs, medication therapy management, medication safety, study of health outcomes from the use of medicines.



Faculty in College of Pharmacy

Tenured/Tenure Track Faculty **36**

Clinical Track Faculty **9**

Research Track Faculty **2**

Lecturers, A&P Professionals (part-time) **10**

TOTAL **57**

2 open searches at senior level

3 open searches at junior level

Adjunct Faculty, OSUMC Pharmacy **35**



Faculty – National Honors

1 faculty	Institute of Medicine, National Academies of Science
8 faculty	AAAS Fellows, American Association for the Advancement of Science (2 emeritus)
16 faculty	AAPS Fellows, American Association of Pharmaceutical Sciences (6 emeritus)
3 faculty	ACCP Fellows, American College of Clinical Pharmacy
5 faculty	APhA Fellows, American Pharmacist Association
4 faculty	ASHP Fellows, American Society of Health Systems Pharmacists
1 faculty	AHA Fellow, American Heart Association
1 faculty	AIHP Fellow, Academie Internationale d’Histoire de la Pharmacy

A total of 22 out of the current 30 senior faculty in the College of Pharmacy are Fellows of scientific organizations or professional pharmacy organizations.

Research Thrusts

- **Drug Discovery Technologies**
 - small molecules, biologics, drug targets
 - **Drug Development Methodologies**
 - drug delivery, analytical, cellular systems
 - **Optimizing Therapies through Pre-Clinical Studies**
 - pharmacokinetics, metabolism, animal models
 - **Clinical Trials of Novel Therapeutic Agents**
 - **Disease thrusts**
 - cancer, cardiovascular, neuroscience, infectious diseases
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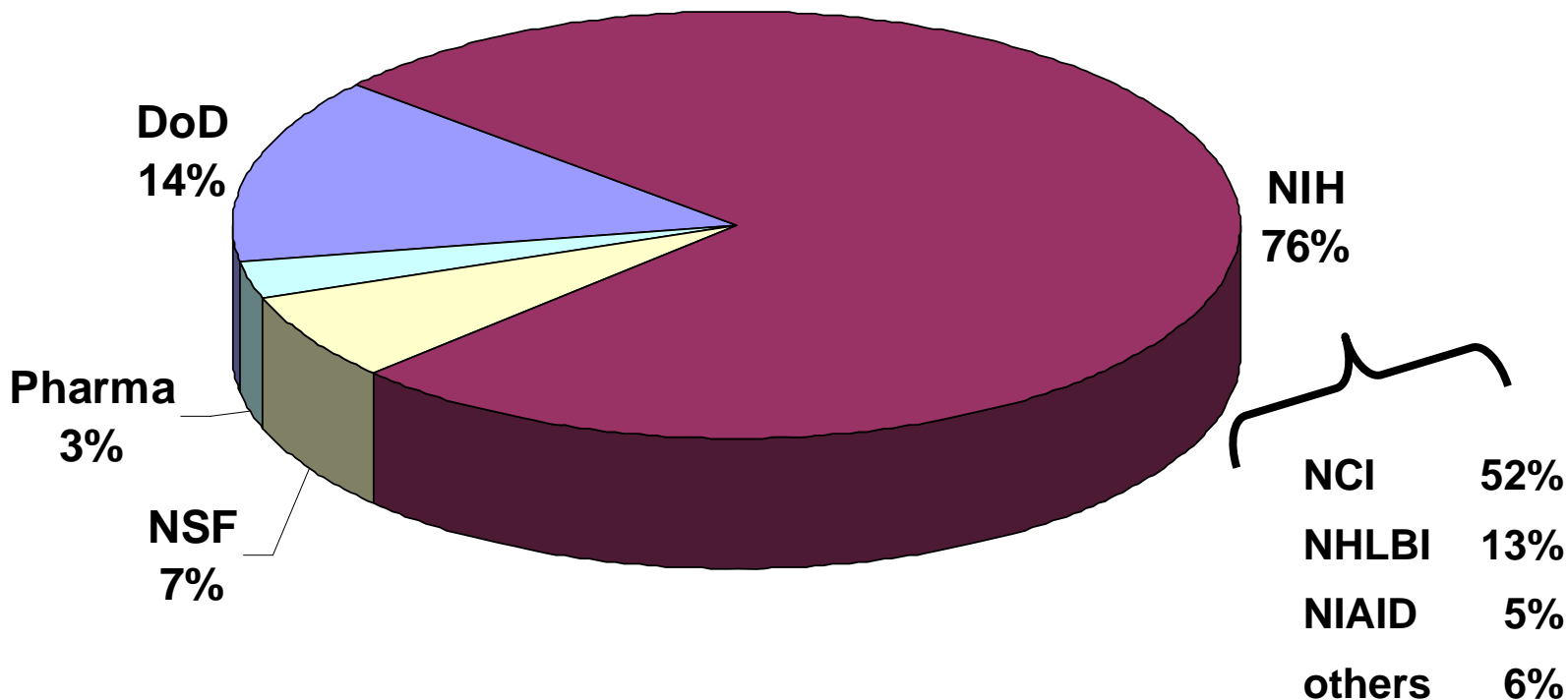
Collaborations:

- Health Sciences Colleges, BMAPS, FAES, Engineering
- Comprehensive Cancer Center, Heart & Lung Institute, Center for Clinical & Translational Sciences, 2 TIE's



College of Pharmacy Research Awards FY2008

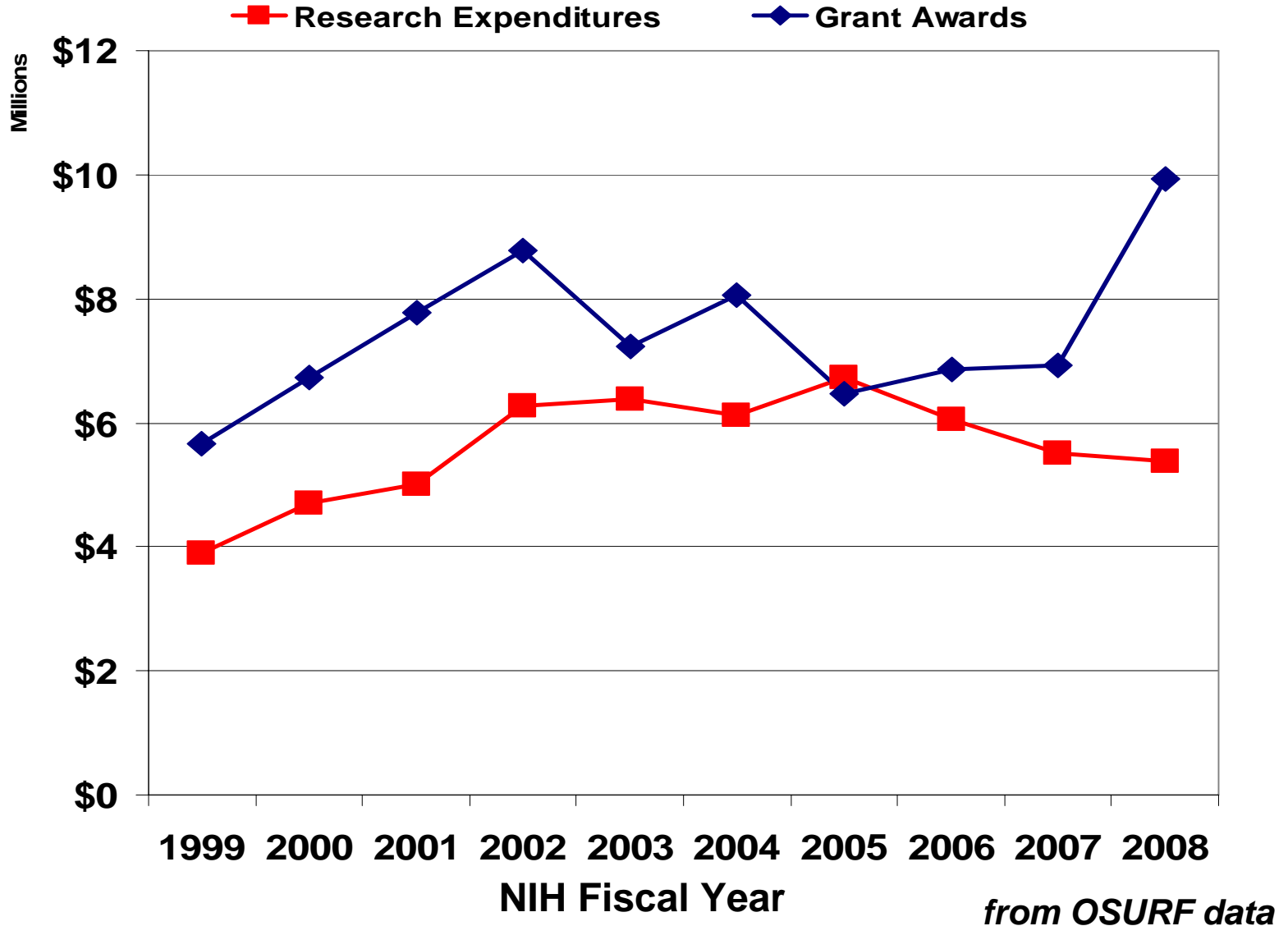
Total = \$9.37M



total of 51 awards
28 faculty as PI or co-PI

Period of Oct 2007 – Sept 2008

Trends in Extramural Funding



Strategic Priorities

Enhancing Research & Scholarship in Pharmacy and Pharmaceutical Sciences

- **Focus faculty hiring in strategic key areas**
- **Encourage collaborative team research in areas of drug discovery/development and health outcomes**
- **Emphasize translational research; interdisciplinary teams**
- **Increase and improve laboratory space**
- **Increased development for endowed professorships and chairs**

Strategic Priorities

Providing Innovative Pharmacy Practice and Patient Care

- **Develop innovative pharmacy practice models in a variety of settings (Kroger, CNHC, Cardinal Health-Life Care Alliance).**
- **Seek additional partners for training and delivery of medication therapy services (*Partners for Promotion*).**
- **Educate and train PharmD students and residents/fellows about patient-centered and population-based health care.**



Outreach & Engagement

- **Innovative partnerships (Kroger, CNHC, Cardinal Health-Life Care Alliance).**
- **Partnership with OSU Extension through *Partners for Promotion*.**
- **Pharmacy faculty and students are engaged in various service-learning activities.**
- **Offer medication education to P-12 students, college students, and adult learners (*Generation Rx*)**
- **Enhanced global pharmacy education and research (Taiwan, Thailand, United Kingdom).**
- **Provide professional continuing education.**

“Points of Pride”

- **PharmD program ranked 5th in 2008 *US News & World Report* (out of 100+ schools)**
- **PhD program received “high quality” rating in 2008 OSU Graduate School review**
- **Faculty productivity ranked 2nd in Pharmacy by Academic Analytics in 2007**
- **Milap Nahata, PharmD, elected to the Institute of Medicine, National Academies of Sciences, 2008**
- **27 faculty received 38 national honors**
- **> 6,300 alumni – many support students as preceptors, mentors, donors**