



Western  
University  
OF HEALTH SCIENCES

*The discipline of learning.  
The art of caring.*

# PERSPECTIVES ON CURRENT AND FUTURE COMPETENCY REQUIREMENTS FOR PHARMACISTS

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The background of the slide is a photograph of the Western University of Health Sciences building. A large, curved archway is visible, with the university's name inscribed on it. The building is a light-colored, modern structure with a prominent tower on the right side. There are trees in the foreground, and the overall scene is brightly lit.

# Western University of Health Sciences

Graduate Health Sciences University  
Pomona, California (east of Los Angeles)  
30 minutes from Disneyland  
3,000 Students, 300 Faculty in 9  
Colleges

# Western University Programs

- ❑ Medicine (DO)
- ❑ Physical Therapy (DPT)
- ❑ Physician Assistant (MSPAS)
- ❑ Pharmacy (PharmD)
- ❑ Graduate Nursing (MSN, DNP)
- ❑ Veterinary Medicine (DVM)
- ❑ Dentistry (DMD)
- ❑ Optometry (OD)
- ❑ Podiatry (DPM)





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**Interprofessional Education**

**9 PERSPECTIVES  
1 FOCUS**

**Enhanced Patient-Centered Care**

# Burning Questions

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Are current pharmacy graduates prepared to provide direct patient care?

If not, should this be an explicit outcome of pharmacy education?

# Lessons Learned from Other Health Professions

## Practice Ready

Physical Therapy  
Physician Assistant  
MS Nursing  
Nurse Practitioner  
Dental Medicine  
Optometry  
Veterinary Medicine  
Pharmacy?

## Residency Ready

Medicine  
Podiatric Medicine

# Lessons Learned from Other Health Professions

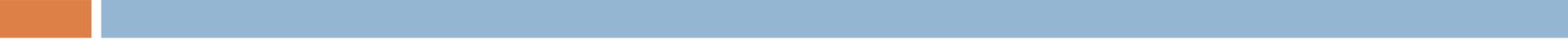
## Practice Ready

Physical Therapy  
Physician Assistant  
MS Nursing  
Nurse Practitioner  
**Dental Medicine**  
Optometry  
**Veterinary Medicine**  
Pharmacy?

## Residency Ready

Medicine  
Podiatric Medicine

# Dental Medicine



## Scope of Practice

Evaluation, diagnosis, prevention, treatment (surgical and nonsurgical) of diseases or conditions of the oral cavity, maxillofacial area and adjacent structures.

## Educational Outcomes

Graduates possess the basic knowledge, skills, and values to practice dentistry, independently, at the time of graduation

# Veterinary Medicine



## Scope of Practice

Prevention, diagnosis, treatment of disease, disorder and injury in animals; covering all animal species, both domesticated and wild

## Educational Outcomes

New graduates must have the basic scientific knowledge, skills, and values to provide entry-level health care, independently, at the time of graduation

# Pharmacy

DO NOT ATTEMPT TO READ

## Scope of Practice (NABP Model Act)

The “Practice of Pharmacy” means the interpretation, evaluation, and implementation of Medical Orders; the Dispensing of Prescription Drug Orders; participation in Drug and Device selection; Drug Administration; Drug Use Review; the Practice of Telepharmacy within and across state lines; Drug or Drug-related research; the provision of Patient Counseling; the provision of those acts or services necessary to provide Pharmacist Care in all areas of patient care, including Primary Care and Collaborative Pharmacy Practice;

and the responsibility for Compounding and Labeling of Drugs and Devices (except Labeling by a Manufacturer, Repackager, or Distributor of Non-Prescription Drugs and commercially packaged Legend Drugs and Devices), proper and safe storage of Drugs and Devices, and maintenance of required records. The practice of pharmacy also includes continually optimizing patient safety and quality of services through effective use of emerging technologies and competency-based training.

# Pharmacy

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## Educational Outcomes

Graduates must possess the basic knowledge, skills, attitudes, and values to practice pharmacy, independently, at the time of graduation

This includes...

# ACPE Standards 2007



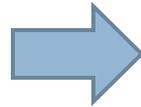
## Standard 12; Guideline 12.1

The ability to design, implement, monitor, evaluate, and adjust pharmacy care plans that are patient specific. It also includes the ability to manage a successful patient-centered practice.

= Direct Patient Care

# Insight into Perception

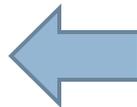
ACCP and ASHP  
made “residency  
for all”  
recommendations  
in 2006-2007



Shaped by personal  
experiences and  
perceptions of 10,15,  
20 years earlier



Improved preceptors  
Evolution of curriculum  
MTM authorization  
Immunizations  
Increase in pre-pharmacy  
Increase in experiential ed.



Prior to full  
implementation of  
Standards 2007

2012

# Building Confidence; Demonstrating Competence

## Responsibility-centered education

- Create closer links between learning and application
- hold students continuously accountable for their learning
- Similar to on the job training, quality APPE training, residency training
- Builds life-long learning skills
- Shifts focus from instructor evaluation of learning to student evaluation of learning

# NAPLEX



Does passing NAPLEX demonstrate competence in providing direct patient care?

Recommendation:

Changing NAPLEX to more carefully assess outcomes associated with ACPE Standard 12 would be a great incentive for educational programs to ensure that graduates have met direct patient care competencies

# Competencies Required of a Practice Ready Pharmacist (AACP COD Task Force)

- Perform physical assessment for MTM
- Promote wellness and life-style modification
- Provide education to enhance self-monitoring of medication therapy
- Provide preventative services
- Identify and resolve issues with transitions in care
- Utilize p'economic principles in decision-making
- Utilize patient-specific information to develop and monitor medication management plan
- Work collaboratively within interprofessional setting

# Summary

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**We cannot** rely on PGY1 residencies to create the pharmacy workforce that is desperately needed to meet the medication-related health care needs of society.

**We can** produce practice ready pharmacists by:

- Improving the quality and expectations of APPEs
- Providing more responsibility-centered education
- Improving patient assessment skills
- Documenting critical competencies

# A Final Thought



Are we training drug therapy experts?

**No!**

Our graduates are entry-level health care practitioners who are trained to improve patient safety and drug-related outcomes in any practice setting.

# Thank You



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College of  
Pharmacy

WesternU. **We're Unique.**



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