

Outcomes Expected of Graduates of the Doctor of Pharmacy Program at the University of Arizona

Domain 1: Patient Care—Dispensing medications and devices and ensuring appropriate therapy and outcomes	
Description: The graduate will provide patient care in cooperation with patients, prescribers, and other members of an interprofessional health care team based upon sound therapeutic principles and evidence-based data, taking into account relevant legal, ethical, social, cultural, economic, and professional issues, emerging technologies, and evolving biomedical, pharmaceutical social/behavioral/administrative, and clinical sciences that may impact therapeutic outcomes.	
Competency Number	Description
1.1 Components	Collect adequate patient data to make an assessment a. Identify and collect information from profiles, medical records, or patient (caretaker) history that will influence optimal drug choice and dosage b. Obtain a history (eg, chief complaint, medical, medication management, financial, social, review of systems) c. Conduct physical assessment d. Extract data from pharmacy records
1.2 Components	Conduct a systematic review prior to dispensing or recommending any medication or any medication device a. Identify drug-related problems b. Recognize common symptoms/complaints c. Ascertain levels of chronic disease control d. Prioritize identified problems e. Communicate problem analysis to other providers f. Collaborate with the patient to prioritize problems
1.3 Components	Design and implement a care plan a. Select prescription or non-prescription medications (including doses and dosage schedules), using therapeutic and pharmacokinetic principles b. Consider the needs for different patient populations (eg, female vs. male, race, ethnicity, cultural, the very old, and the very young) c. Determine drug delivery system for the patient based upon individual patient needs and characteristics d. Conduct patient education including verification of patient understanding of proper use of medication/device e. Implement interventions to improve compliance f. Refer to other providers as appropriate (including specialty RPh)
1.4 Components	Implement the dispensing process for medication-related orders a. Select container for the drug product or determine if original packaging is safe and appropriate for the product and consumer b. Prepare prescriptions c. Compound individual or bulk medications d. Apply guidelines and standards of practice for preparation, storage, in-process quality control, and administration of sterile dosage forms and enteral nutrition products in various pharmacy practice settings
1.5 Components	Document information in a patient profile or medical record (eg, SOAP note) a. Note potential problems and their resolution b. Record actions taken to achieve desired therapeutic outcomes c. Note patient education activities d. Communicate with other health care providers (eg, letter summarizing findings and recommendations)

Outcomes Expected of Graduates of the Doctor of Pharmacy Program at the University of Arizona

Domain 2: Professionalism and management in health-systems	
Description: The graduate manages and uses resources of the health care system, in cooperation with patients, prescribers, other health care providers, and administrative and supportive personnel, to promote health; to provide, assess, and coordinate safe, accurate, and time-sensitive medication distribution; and to improve therapeutic outcomes of medication use. In doing so, they provide patient care based on contemporary knowledge and therapeutics in a compassionate, empathetic, and ethical manner. They must bring to the practice of pharmacy the necessary values, attitudes, and behaviors to discern and manage the ethical issues of pharmacy practice. The graduate must demonstrate expertise in informatics. Patient care, practice management, and professional renewal are dependent upon information gathering and processing in order to make decisions. The graduate must be prepared to practice in a dynamic environment and contribute to the management of health systems by identifying, designing, implementing, and documenting changes, policies, and procedures.	
Competency Number	Description
2.1 Component	Make and defend rational, ethical decisions within a context of personal and professional values a. Articulate ethical principles relevant to pharmacy practice b. Maintain honesty, confidentiality, sensitivity and tolerance in professional interactions c. Provide humane and compassionate patient care in a professional manner
2.2 Components	Retrieve, evaluate, and manage professional information and literature in a critical, scientific, and effective manner a. Critically analyze published reports and apply this information to the practice of pharmacy b. Evaluate the safety, efficacy, and cost-effectiveness of pharmaceutical products and services c. Communicate professional knowledge clearly to colleagues, patients, and other health professionals orally and in writing (eg, in-service presentation, newsletter article preparation) d. Self-assess learning needs and design, implement, and evaluate strategies to promote intellectual growth and continued professional competence
2.3 Components	Contribute to improving the knowledge, skills, and values of the profession by advancing oneself and the profession through leadership, service activities, and participation in professional organizations a. Participate in efforts to help individuals and to improve society and the health care system b. Function effectively in interactions with individuals, within group situations, and within professional organizations and systems c. Collaborate with other health care professionals
2.4 Components	Demonstrate the skills needed to use and assess a health system's method for reporting and managing adverse drug reactions and medication errors a. Identify preventable causes of adverse drug reactions and medication errors and recommend actions to minimize future occurrences b. Evaluate information obtained from adverse drug reaction and medication error occurrences c. Identify and report adverse drug reactions and medication errors to appropriate individuals and authorities
2.5 Components	Demonstrate the skills needed to participate in a health system's process for conducting medication use evaluations a. Identify appropriate medications for review b. Evaluate data collected from a medication use evaluation and recommend actions to improve medication use c. Develop appropriate criteria and outcome measures for medication use based on analysis of the literature
2.6 Components	Demonstrate the skills needed to evaluate and modify a health system's formulary process a. Use appropriate data to make and support formulary recommendations b. Compile and evaluate literature necessary to review a class of medications and make a formulary recommendation c. Communicate with health care providers and patients about formulary decisions
2.7 Components	Demonstrate the knowledge and skills needed to contribute to the managerial aspects of pharmacy operations using appropriate data and procedures a. Comply with laws and regulations b. Assess medication distribution and control systems c. Employ personnel management principles used to recruit, hire, train, develop, supervise, motivate, retain, and evaluate staff d. Use sound principles of fiscal resource management

Outcomes Expected of Graduates of the Doctor of Pharmacy Program at the University of Arizona

Domain 3: Health improvement, wellness, and disease prevention	
Description: The graduate will promote health improvement, wellness, and disease prevention in cooperation with patients, communities, at-risk populations, and other members of an interprofessional team of health care providers.	
Competency Number	Description
3.1 Components	Demonstrate the skills needed to provide preventive services <ul style="list-style-type: none"> a. Participate in immunization training and immunization provision b. Provide drug therapy evaluation (eg, brown bags) c. Conduct high risk behavior counseling
3.2 Components	Demonstrate the skills needed to participate in the preventive service aspects of practice <ul style="list-style-type: none"> a. Participate in public education programs (eg, health fairs and screenings) b. Provide empowerment strategies to control health outcomes c. Participate in programs for health improvement, wellness, and disease prevention d. Collaborate with other organizations (eg, governmental organizations, health organizations, business groups)