

Educational Outcomes for the South Carolina College of Pharmacy

- I. **PHARMACEUTICAL CARE** Provide pharmaceutical 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, economic, and professional issues, emerging technologies, and evolving biomedical, sociobehavioral, and clinical sciences that may impact therapeutic outcomes.
 - B. Provide patient-centered care.
 1. Acquire the basic knowledge and skills required to provide patient-centered care, to include:
 - i. Skills in mathematics for analysis of bio-physical processes and/or socioeconomic data
 - ii. Knowledge of concepts in biochemistry, molecular biology, and immunology for understanding the actions and uses of current and future drugs.
 - iii. Knowledge of functional groups of drugs important for drug disposition and drug-target interactions.
 - iv. Knowledge of drug mechanisms of action and toxicities.
 - v. Knowledge of physiochemical principles underlying drug disposition and elimination.
 - vi. Knowledge of pharmacogenomics pertinent to the individualization of drug therapy and recognition of polymorphic metabolism as the basis of idiosyncratic response.
 2. Design, implement, monitor, evaluate, and adjust pharmaceutical care plans that are patient-specific and evidence-based.
 3. Evaluate drug orders or prescriptions consistent with patient history and current health status and legal requirements, accurately and safely prepare dosage forms/drug delivery systems, and appropriately select, package, label, and dispense drug products.
 - i. Determine the appropriateness of a drug order or prescription in relation to patient and disease-specific factors.
 - ii. Determine the completeness and accuracy of information in a drug order or prescription.
 - iii. Determine the appropriateness of a drug order's or prescription's dose, dosage form, route of administration, and frequency of administration.
 - iv. Assess drug orders and prescription for potential drug-related problems.

- v. Integrate legal requirements, ethical principles, and relevant policies to assess drug orders and prescriptions.
 - vi. Prepare extemporaneous dosage forms and delivery systems.
 - vii. Use knowledge of sterile technique to prepare sterile dosage forms or delivery systems.
 - viii. Assess drug orders and prescriptions for potential therapeutic alternatives.
 - ix. Prepare prescription labeling appropriate for a drug product.
 - x. When dispensing drug products, counsel patients to assure compliance.
 - xi. Dispense drug products in accordance with legal requirements and professional responsibilities.
4. Communicate and collaborate with prescribers, patients, care givers, and other involved health care providers to engender a team approach to patient care.
 5. Retrieve, analyze, and interpret the professional, lay, and scientific literature to provide drug information to patients, their families, and other involved health care providers.
 6. Carry out duties in accordance with legal, ethical, social, economic, and professional guidelines.
 7. Maintain professional competence by identifying and analyzing emerging issues, products, and services that may impact patient-specific therapeutic outcomes.
- C. Provide population-based care.
1. Develop and implement population-specific, evidence-based disease management programs and protocols based upon analysis of epidemiologic and pharmaco-economic data, medication use criteria, medication use review, and risk reduction strategies.
 2. Communicate and collaborate with prescribers, population members, care givers, and other involved health care providers to engender a team approach to patient care.
 3. Retrieve, analyze, and interpret the professional, lay, and scientific literature to provide drug information to other health care providers and to the public.
 4. Carry out duties in accordance with legal, ethical, social, economic, and professional guidelines.
 5. Maintain professional competence by identifying and analyzing emerging issues, products, and services that may impact population-based, therapeutic outcomes.

- II. **SYSTEMS MANAGEMENT** Manage and use 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.
- B. Manage human, physical, medical, informational, and technological resources.
1. Apply relevant legal, ethical, social, economic, and professional principles/issues to assure efficient, cost-effective utilization of human, physical, medical, informational, and technological resources in the provision of patient care.
 2. Communicate and collaborate with patients, prescribers, other health care providers, and administrative and supportive personnel to engender a team approach to assure efficient, cost-effective utilization of human, physical, medical, informational, and technological resources in the provision of patient care.
 3. Carry out duties in accordance with legal, ethical, social, economic, and professional guidelines.
 4. Maintain professional competence by identifying and analyzing emerging issues, products, and services that may impact management of human, physical, medical, informational, and technological resources in the provision of patient care.
- C. Manage medication use systems.
1. Apply patient- and population-specific data, quality assurance strategies, and research processes to assure that medication use systems minimize drug misadventuring and optimize patient outcomes.
 2. Apply patient- and population-specific data, quality assurance strategies, and research processes to develop drug use and health policy, and to design pharmacy benefits.
 3. Communicate and collaborate with prescribers, patients, caregivers, other involved health care providers and administrative and supportive personnel to identify and resolve medication use problems.
 4. Carry out duties in accordance with legal, ethical, social, economic, and professional guidelines.
 5. Maintain professional competence by identifying and analyzing emerging issues, products, and services that may impact medication use systems, to develop use and health policy, and to design pharmacy benefits.

- III. **PUBLIC HEALTH** 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.
- B. Assure the availability of effective, quality health and disease prevention services.
1. Apply population-specific data, quality assurance strategies, and research processes to develop identify and resolve public health problems.
 2. Communicate and collaborate with prescribers, policy makers, members of the community and other involved health care providers and administrative and supportive personnel to identify and resolve public health problems.
 3. Carry out duties in accordance with legal, ethical, social, economic, and professional guidelines.
 4. Maintain professional competence by identifying and analyzing emerging issues, products, and services that may affect the efficacy or quality of disease prevention services to amend existing or develop additional services.
- C. Develop public health policy.
1. Apply population-specific data, quality assurance strategies, and research processes to develop public health policy.
 2. Communicate and collaborate with prescribers, policy makers, members of the community and other involved health care providers and administrative and supportive personnel to develop public policy.
 3. Carry out duties in accordance with legal, ethical, social, economic, and professional guidelines.
 4. Maintain professional competence by identifying and analyzing emerging issues, products, and services that may affect public health policy, to amend existing or develop additional policies.