

Tech's Top Ten Terminal Outcomes (adopted by faculty July 2010)

- TO1** Design, implement, evaluate, monitor, adjust, and document pharmacotherapeutic plans
- TO2** Prospectively review orders and records to evaluate a drug regimen
- TO3** Prepare, dispense, and administer safe and rational medication regimens
- TO4** Evaluate pharmacy business models and pharmacy services
- TO5** Evaluate population based data
- TO6** Devise and implement strategies to improve population based outcomes
- TO7** Retrieve, analyze, and interpret lay and scientific literature
- TO8** Communicate and collaborate with patients, caregivers, and other stakeholders
- TO9** Demonstrate professional, legal, and ethical attitudes and behaviors
- TO10** Demonstrate the skills needed for continuous professional development

Tech's Top Ten Terminal Outcomes With Related Ability Statements

- TO1** Design, implement, evaluate, monitor, adjust, and document pharmacotherapeutic plans
 - A1** Conduct a chart review to determine medication related problems in a patient-specific therapeutic plan
 - A2** Administer a patient/caregiver interview to obtain information related to therapeutic plans
 - A3** Perform appropriate patient assessment techniques for evaluation of a therapeutic plan
 - A4** Demonstrate an understanding of the anatomic, physiologic and biochemical basis of the various organ systems and their functions
 - A5** Demonstrate a detailed insight about the pathophysiologic basis of diseases processes and their consequences, as well as the rationale for instituting various pharmacotherapeutic measures for the treatment of certain diseases
 - A6** Analyze the mechanisms with which drugs treat diseases, as well as their relevant pharmacokinetic properties and pharmacodynamic effects on the human body
 - A7** Apply the pharmaceutical properties of drugs to a specific patient scenario
 - A8** Identify appropriate treatment options given a specific patient scenario
 - A9** Evaluate and utilize the most appropriate evidence based therapeutic goals and guidelines applied to specific patient characteristics to create a patient-specific pharmacotherapeutic plan
 - A10** Design and implement a care plan to resolve health issues and/or drug-related problems

A11 Document and maintain an intervention database for patient care activities

TO2 Prospectively review orders and records to evaluate a drug regimen

A12 Identify the brand and generic name; mechanism of action; pharmacokinetic characteristics; indication; therapeutic efficacy; side effects; contraindications; potential drug interactions normal dose; dosing frequency; duration of treatment; and relative cost for the medications commonly encountered during pharmacy practice

A13 Evaluate the effects of medication and patient characteristics on the efficacy and safety of a drug regimen

A14 Perform medication- and patient-specific calculations

A15 Identify, collect and evaluate pertinent data relative to the patient or medication

A16 Create a drug-therapy problem list

TO3 Prepare, dispense, and administer safe and rational medication regimens

A17 Immunize pediatric, adolescent and adult patients

A18 Perform pharmaceutical calculations

A19 Compound extemporaneous pharmaceutical preparations

A20 Evaluate and select appropriate medications and drug delivery systems

A21 Prepare prescription labels as required by Texas Pharmacy Practice Act and relevant State and Federal regulations

A22 Identify, assess, and avoid medication misadventures, (e.g., compatibility/incompatibility, adverse drug reactions, contraindications) Store medications to meet specification/requirements and/or applicable laws

A23 Use technology to optimize drug delivery

TO4 Evaluate pharmacy business models and pharmacy services

A24 Utilize basic principles of financial, human, systems (note: includes technology in delivery of pharmacy services), informatics, and health services management within the framework of practice management (note: tool sets for following)

A25 Evaluate health care delivery systems, pharmacy practice business models, and pharmacy services for effectiveness, appropriateness, efficiency

A26 Analyze the impact of socio-economic principles on healthcare

A27 Consider historical events, contemporary problems, practice standards, and regulatory considerations in health care and pharmacy practice in the development of new professional services

TO5 Evaluate population based data

- A28** Use outcomes research, principles of epidemiology, healthcare outcomes, and quality improvement to improve care
- A29** Understand data collection tools, collate, analyze and interpret data
- A30** Develop and use data collection tools, collate, analyze and interpret data
- A31** Design solutions to address healthcare problems

TO6 Devise and implement strategies to improve population based outcomes

- A32** Identify social, economic, and cultural factors that influence health, illness, and medication use
- A33** Provide health education to the public
- A34** Provide healthcare screenings to the public
- A35** Engage in promoting continuity of patient care

TO7 Retrieve, analyze, and interpret lay and scientific literature

- A36** Identify and interpret information needs
- A37** Identify determine, access, and utilize the most appropriate resources for resolving a DI issue
- A38** Critically evaluate the veracity of medical information
- A39** Evaluate the drug information literature
- A40** Summarize drug information in verbal and written formats at a level appropriate to a given audience

TO8 Communicate and collaborate with patients, caregivers, and other stakeholders

- A41** Determine most appropriate format of communication (written, verbal, nonverbal)
- A42** Determine most appropriate medical terminology based on audience
- A43** Identify social, cultural and socioeconomic factors relevant to communication
- A44** Counsel a patient, utilizing appropriate communication format, medical terminology and identified social, cultural, and socioeconomic factors
- A45** Provide recommendation to a healthcare professional or stakeholder utilizing appropriate communication format, medical terminology and identified social, cultural and socioeconomic factors
- A46** Function as a drug expert on a team working collaboratively to provide interprofessional medical care

T09 Demonstrate professional, legal, and ethical attitudes and behaviors

- A47** Demonstrate respect, collegiality, humility, empathy, cultural awareness, and confidence during interaction with patients, colleagues, and other healthcare providers and appropriately respond to feedback
- A48** Prioritize and address needs and responsibilities in timely fashion
- A49** Demonstrate responsibility to the public and profession of pharmacy
- A50** Identify and act upon unethical professional conduct; identify instances of academic dishonesty
- A51** Practice ethically
- A52** Follow organizational policy and state/federal laws to serve the best interest of the public

T010 Demonstrate the skills needed for continuous professional development

- A53** Assess knowledge, skills, attitudes, and ethics to promote personal and professional growth
- A54** Identify and analyze available resources to achieve personal and professional goals
- A55** Devise and implement a personal and professional plan to achieve specific goals
- A56** Evaluate whether personal and professional goals are achieved
- A57** Document Continuous Professional Development (CPD)