

NAPLEX Blueprint

The NAPLEX Competency Statements

The NAPLEX Competency Statements provide a blueprint of the topics covered on the examination. They offer important information about the knowledge, judgment, and skills you are expected to demonstrate as an entry-level pharmacist. A strong understanding of the Competency Statements will aid in your preparation to take the examination.

Area 1 Assure Safe and Effective Pharmacotherapy and Optimize Therapeutic Outcomes (Approximately 54% of Test)

- 1.1.0 *Obtain, interpret and evaluate patient information to determine the presence of a disease or medical condition, assess the need for treatment and/or referral, and identify patient-specific factors that affect health, pharmacotherapy, and/or disease management.*
 - 1.1.1 Identify and assess patient information including medication, laboratory and disease state histories.
 - 1.1.2 Identify and/or use instruments and techniques related to patient assessment and diagnosis.
 - 1.1.3 Identify and define the terminology, signs, and symptoms associated with diseases and medical conditions.
 - 1.1.4 Identify and evaluate patient factors, genetic factors, biosocial factors, and concurrent drug therapy that are relevant to the maintenance of wellness and the prevention or treatment of a disease or medical condition.

- 1.2.0 *Identify, evaluate, and communicate to the patient or health-care provider, the appropriateness of the patient's specific pharmacotherapeutic agents, dosing regimens, dosage forms, routes of administration, and delivery systems.*
 - 1.2.1 Identify specific uses and indications for drug products.
 - 1.2.2 Identify the known or postulated sites and mechanisms of action of pharmacotherapeutic agents.
 - 1.2.3 Evaluate drug therapy for the presence of pharmacotherapeutic duplications and interactions with other drugs, food, diagnostic tests, and monitoring procedures.
 - 1.2.4 Identify contraindications, warnings and precautions associated with a drug product's active and inactive ingredients.
 - 1.2.5 Identify physicochemical properties of drug substances that affect their solubility, pharmacodynamic and pharmacokinetic properties, pharmacologic actions, and stability.
 - 1.2.6 Interpret and apply pharmacodynamic and pharmacokinetic principles to calculate and determine appropriate drug dosing regimens.
 - 1.2.7 Interpret and apply biopharmaceutic principles and the pharmaceutical characteristics of drug dosage forms and delivery systems, to assure bioavailability and enhance patient compliance.

- 1.3.0 *Manage the drug regimen by monitoring and assessing the patient and/or patient information, collaborating with other health care professionals, and providing patient education.*
 - 1.3.1 Identify pharmacotherapeutic outcomes and endpoints.
 - 1.3.2 Evaluate patient signs and symptoms, and the results of monitoring tests and procedures to determine the safety and effectiveness of pharmacotherapy.
 - 1.3.3 Identify, describe the mechanism of, and remedy adverse reactions, allergies, side effects and iatrogenic or drug-induced illness.
 - 1.3.4 Prevent, recognize, and remedy medication non-adherence, misuse or abuse.
 - 1.3.5 Recommend pharmacotherapeutic alternatives.

**Area 2 Assure Safe and Accurate Preparation and Dispensing of Medications
(Approximately 35% of Test)**

- 2.1.0 *Perform calculations required to compound, dispense, and administer medication.*
- 2.1.1 Calculate the quantity of medication to be compounded or dispensed; reduce and enlarge formulation quantities and calculate the quantity of ingredients needed to compound the proper amount of the preparation.
 - 2.1.2 Calculate nutritional needs and the caloric content of nutrient sources.
 - 2.1.3 Calculate the rate of drug administration.
 - 2.1.4 Calculate or convert drug concentrations, ratio strengths, and/or extent of ionization.
- 2.2.0 *Select and dispense medications in a manner that promotes safe and effective use.*
- 2.2.1 Identify drug products by their generic, brand, and/or common names.
 - 2.2.2 Determine whether a particular drug dosage strength or dosage form is commercially available, and whether it is available on a nonprescription basis.
 - 2.2.3 Identify commercially available drug products by their characteristic physical attributes.
 - 2.2.4 Interpret and apply pharmacokinetic parameters and quality assurance data to determine equivalence among manufactured drug products, and identify products for which documented evidence of inequivalence exists.
 - 2.2.5 Identify and communicate appropriate information regarding packaging, storage, handling, administration, and disposal of medications.
 - 2.2.6 Identify and describe the use of equipment and apparatus required to administer medications.
- 2.3.0 *Prepare and compound extemporaneous preparations and sterile products.*
- 2.3.1 Identify and describe techniques and procedures related to drug preparation, compounding, and quality assurance.
 - 2.3.2 Identify and use equipment necessary to prepare and extemporaneously compound medications.
 - 2.3.3 Identify the important physicochemical properties of a preparation's active and inactive ingredients; describe the mechanism of, and the characteristic evidence of incompatibility or degradation; and identify methods for achieving stabilization of the preparation.

**Area 3 Provide Health Care Information and Promote Public Health
(Approximately 11% of Test)**

- 3.1.0 *Access, evaluate, and apply information to promote optimal health care.*
- 3.1.1 Identify the typical content and organization of specific sources of drug and health information for both health-care providers and consumers.
 - 3.1.2 Evaluate the suitability, accuracy, and reliability of information from reference sources by explaining and evaluating the adequacy of experimental design and by applying and evaluating statistical tests and parameters.
- 3.2.0 *Educate the public and health-care professionals regarding medical conditions, wellness, dietary supplements, and medical devices.*
- 3.2.1 Provide health care information regarding the prevention and treatment of diseases and medical conditions, including emergency patient care.
 - 3.2.2 Provide health care information regarding nutrition, lifestyle, and other non-drug measures that are effective in promoting health or preventing or minimizing the progression of a disease or medical condition.
 - 3.2.3 Provide information regarding the documented uses, adverse effects and toxicities of dietary supplements.
 - 3.2.4 Provide information regarding the selection, use and care of medical/surgical appliances and devices, self-care products, and durable medical equipment, as well as products and techniques for self-monitoring of health status and medical conditions.