Idaho CTE

Pharmacy Technician (2017)

CONTENT STANDARD 1. PHARMACY TECHNICIAN 1.0

1.1 Performance Standard 1.1: Roles and Services 1.1

- 1.1.1 Explain the role of the pharmacist. 1.1.1
- 1.1.2 Explain the traditional and the advanced role of the pharmacy technician. 1.1.2
- 1.1.3 Identify the role of the prescriber. 1.1.3
- 1.1.4 Explain the prescription cycle. 1.1.4
- 1.1.5 Compare types of pharmacies and other pharmacy services. 1.1.5
- 1.1.6 Describe the organization/layout of various pharmacy types. 1.1.6

CONTENT STANDARD 2.0: LEGAL AND ETHICAL RESPONSIBILITES 2.0

2.1 Performance Standard 2.1: Duties According to Regulations, Policies, and Laws 2.1

- 2.1.1 Understand Idaho State Board of Pharmacy Code and Administrative Rules. 2.1.1
- 2.1.2 Understand pharmacy record keeping. 2.1.2
- 2.1.3 Summarize timelines regarding federal laws. 2.1.3
- 2.1.4 Compare licensure, certification, registration, and legislated scope of practice of pharmacy professionals. 2.1.4
- 2.1.5 Understand United States Pharmacopeia (USP) Guidelines 795, 797, 800. 2.1.5
- 2.1.6 Understand Health Information Portability Accountability Act (HIPAA). 2.1.6
- 2.1.7 Recognize Drug Enforcement Administration (DEA) Code of Federal Regulations (number validation). 2.1.7
- 2.1.8 Understand the role of the Food and Drug Administration (FDA). 2.1.8
- 2.1.9 Understand the related guidelines of the Occupational Safety and Health Administration (OSHA) and safety data sheets (SDS). 2.1.9
- 2.1.10 Distinguish between accrediting bodies. 2.1.10
- 2.1.11 Demonstrate knowledge of continuing education and training for relicensure. 2.1.11

2.2 Performance Standard 2.2: Professional Standards and Interpersonal Skills 2.2

- 2.2.1 Understand the importance of pharmacy culture. 2.2.1
- 2.2.2 Recognize various communication types (verbal, non-verbal, written, and electronic). 2.2.2

Skip to main content

2.2.3 Practice conflict resolution. 2.2.3

2.2.4 Identify personal traits (desirable and undesirable) and attitudes of pharmacy team members. 2.2.4

2.2.5 Demonstrate professional standards of pharmacy workers as they apply to hygiene, dress, language, confidentiality, ethical and civil behavior, substance and alcohol use and abuse. 2.2.5

2.2.6 Apply employability skills and requirements in the pharmacy setting. (Refer to CTE Readiness Standards, https://cte.idaho.gov/educators/program-standards/). 2.2.6

2.2.7 Understand various cultural differences and beliefs. 2.2.7

2.2.8 Practice confidentiality when communicating. 2.2.8

2.2.9 Understand the implications of social media. 2.2.9

2.2.10 Practice and demonstrate Health Information Portability Accountability Act (HIPAA). 2.2.10

2.3 Performance Standard 2.3: Apply Critical Thinking Skills 2.3

2.3.1 Evaluate case studies related to pharmacy. 2.3.1

2.3.2 Set up various role play scenarios that a pharmacy encounters. 2.3.2

2.3.3 Practice basic concepts of logic and problem solving. 2.3.3

CONTENT STANDARD 3.0: PROCESSING AND HANDLING OF MEDICATION AND MEDICATION ORDERS/PRESCRIPTIONS 3.0

2.1 Performance Standard 3.1: Analyzing Prescriptions 3.1

3.1.1 Differentiate between a prescription and medication order. 3.1.1

3.1.2 Interpret the prescription/medication order. 3.1.2

3.2 Performance Standard 3.2: Assisting the Pharmacist 3.2

3.2.1 Utilize technology to input pharmacy data. 3.2.1

3.2.2 Practice various forms of communication etiquette, including prioritization. 3.2.2

3.2.3 Collect relevant patient information. 3.2.3

3.2.4 Critique the prescription refill process. 3.2.4

3.2.5 Assist with identifying the patient's need for counseling. 3.2.5

3.2.6 Demonstrate reconstitution of antibiotic prescriptions. 3.2.6

3.2.7 Understand medication monitoring programs. 3.2.7

3.2.8 Discuss a pharmacy audit. 3.2.8

3.3 Performance Standard 3.3: Assist Pharmacist in Special Handling and Documentation 3.3

3.3.1 Explain immunization and wellness programs. 3.3.1

Skip to main content

3.3.2 Understand chemotherapy compounding (USP 800 Guidelines). 3.3.2

3.3.3 Understand Total Parenteral Nutrition (TPN). 3.3.3

3.3.4 Identify controlled substances and their processes. 3.3.4

3.3.5 Document investigational drugs (clinical trials). 3.3.5

3.3.6 Identify drugs categorized as Risk Evaluation Mitigation Strategies (REMS). 3.3.6

CONTENT STANDARD 4.0: STERILE AND NON-STERILE COMPOUNDING 4.0

4.1 Performance Standard 4.1: Compounding Sterile Products 4.1

4.1.1 Understand universal precautions for sterile compounding. 4.1.1

4.1.2 Introduce the scope of USP Guidelines as appropriate. 4.1.2

4.1.3 Understand how to read a label. 4.1.3

4.1.4 Identify the equipment and technology used in sterile compounding. 4.1.4

4.1.5 Determine the correct amounts of ingredients. 4.1.5

4.1.6 Explain reconstitution of sterile products. 4.1.6

4.2 Performance Standard 4.2: Compounding Non-Sterile Products 4.2

4.2.1 Understand universal precautions for non-sterile compounding. 4.2.1

4.2.2 Introduce the scope of USP Guidelines as appropriate. 4.2.2

4.2.3 Understand how to read a prescription for compounding. 4.2.3

4.2.4 Identify the equipment, apparatus, and technology used in non-sterile compounding. 4.2.4

4.2.5 Determine the correct amounts of ingredients. 4.2.5

4.2.6 Understand compounding of non-sterile products. 4.2.6

4.2.7 Understand reconstitution of non-sterile products. 4.2.7

CONTENT STANDARD 5.0: PROCUREMENT, BILLING, REIMBURSEMENT, AND INVENTORY MANAGEMENT 5.0

5.1 Performance Standard 5.1: Assist in the Adjudication of Billing 5.1

5.1.1 Define the term third party. 5.1.1

5.1.2 Understand the terminology of insurance billing. 5.1,2

5.1.3 Demonstrate how to find information on an insurance card. 5.1.3

5.1.4 Explain pharmacy reimbursement plans. 5.1.4

5.1.5 Explain a third party rejection. 5.1.5

5.2 Performance Standard 5.2: Accepted Procedures in Purchasing Pharmaceuticals 5.2

5.2.1 Describe various procedures in purchasing pharmaceuticals. 5.2.1

5.2.2 Explain controlled substance ordering systems (DEA Form 222). 5.2.2

5.2.3 Explain ordering system and the technology applied. 5.2.3

Skip to main content

Performance Standard 5.3: Accepted Procedures in Inventory Control 5.3

5.3.1 Differentiate inventory control systems for various drug classifications. 5.3.1

5.3.2 Explain legal aspects of drug returns from patients. 5.3.2

5.3.3 Describe reasons for recalled drugs, the two types and the three levels of drug recalls. 5.3.3

5.3.4 Explain standard procedures for reviewing and removing outdated drug products. 5.3.4

5.3.5 Explain methods of obtaining drug products from alternate sources. 5.3.5

5.3.6 Understand formularies in the pharmacy. 5.3.6

5.4 Performance Standard 5.4: Processing Payment Options for Medical Products and Services 5.4

5.4.1 Role play Point of Sale (POS) transactions. 5.4.1

5.4.2 Verify address and patient information to assure proper dispensing. 5.4.2

5.4.3 Understand required forms of identification for drug transactions and signature requirements. 5.4.3

5.4.4 Understand age limits and purchase limits in dispensing certain pharmaceuticals. 5.4.4

CONTENT STANDARD 6.0: SAFETY 6.0

6.1 Performance Standards 6.1: Patient Safety 6.1

6.1.1 Practice effective infection control procedures. 6.1.1

6.1.2 Define and recognize a possible Drug Utilization Review (DUR). 6.1.2

6.1.3 Describe the role of Institute for Safe Medical Practices (ISMP), Medical Error Reporting Program (MERP), Joint Commission Accreditation of Hospital OrganizationsReporting Program (MERP), Joint Commission Accreditation of Hospital Organizations (JCAHO). 6.1.3

6.2 Performance Standard 6.2: Practice Medication Safety 6.2

6.2.1 Identify sound-alike/look-alike drugs. 6.2.1

6.2.2 Identify high alert/high risk medications. 6.2.2

6.2.3 Identify common safety strategies. 6.2.3

6.2.4 Identify quality assurance. 6.2.4

6.2.5 Practice Tech-Check-Tech. 6.2.5

6.2.6 Practice receiving verbal orders. 6.2.6

CONTENT STANDARD 7.0: UNDERSTAND TECHNOLOGY AND INFORMATICS 7.0

7.1 Performance Standard 7.1: Proper Pharmaceutical Dispensing 7.1

7.1.1 Identify National Association Boards of Pharmacy (NABP) and Idaho BOP requirements in labeling prescriptions. 7.1.1

7.1.2 Discuss emerging technologies which includes electronic medical records (EMR). 7.1.2

7.1.3 Describe prescription process (receiving to dispensing). 7.1.3

Skip to main content

7.1.4 Recognize fraudulent prescriptions. 7.1.4

7.1.5 Understand reliable drug information resources. 7.1.5

CONTENT STANDARD 8.0: PHARMACOLOGY 8.0

8.1 Performance Standard 8.1: Understanding Pharmacokinetics 8.1

8.1.1 Understand absorption, distribution, metabolism, excretion (ADME) and the related organs. 8.1.1

8.2 Performance Standard 8.2: Understanding Pharmacodynamics 8.2

8.2.1 Understand drug classifications. 8.2.1

8.2.2 Recognize generic and brand names of common drugs. 8.2.2

8.2.3 Identify drug interactions/side effects of commonly prescribed drugs. 8.2.3

8.2.4 Explain strengths/dosage, dosage forms. 8.2.4

8.2.5 Differentiate routes of administration. 8.2.5

8.3 Performance Standard 8.3: Recognizing Over-The-Counter and Alternative Therapies 8.3

8.3.1 Recognize over-the-counter (OTC) products. 8.3.1

8.3.2 Explain vitamins, minerals, and herbal supplements. 8.3.2

8.3.3 Identify devices and durable medical equipment (DME), i.e., testing devices, first aid, and wound care. 8.3.3

CONTENT STANDARD 9.0: APPLICATION OF PHARMACEUTICAL MATHEMATICS 9.0

9.1 Performance Standard 9.1: Apply Mathematics in Pharmaceutical Practice 9.1

9.1.1 Demonstrate knowledge of Measurement Systems (temperature conversions, conversions from household to metric). 9.1.1

9.1.2 Demonstrate ratios and proportions (dimensional analysis). 9.1.2

9.1.3 Understand drug strengths in percentages. 9.1.3

9.1.4 Demonstrate dosage calculations (based on age, weight, and body surface area; drip rates). 9.1.4

9.1.5 Compute “Days Supply.” 9.1.5

9.1.6 Calculate “Quantity to Dispense.” 9.1.6

9.1.7 Understand “Alligations.” 9.1.7

CONTENT STANDARD 10.0: RECOGNIZE AND IMPLEMENT QUALITY ASSURANCE 10.0

10.1 Performance Standard 10.1: Application of Assurance Practices 10.1

10.1.1 Understand Risk Management Guidelines and Regulations. 10.1.1

10.1.2 Determine proper communication channels. 10.1.2

10.1.3 Understand National Drug Code (NDC). 10.1.3

10.1.4 Differentiate reporting agencies (MedWatch, Poison Control, pharmaceutical manufacturer, FDA Hotline). 10.1.4

Skip to main content

10.1.5 Understand universal precautions. 10.1.5

10.1.6 Understand the importance of customer satisfaction. 10.1.6

10.1.7 Understand pharmacy diversion. 10.1.7