



(P3) IPPE Experiential Rotation Objectives

Theme: Patient Safety

“The Right Drug in the Right Dose to the Right Patient at the Right Time with the Right Outcome”

Goal #1: The student will demonstrate the ability to counsel patients on medications utilizing effective education techniques to include appropriate time and style for counseling, use of patient education materials, assessment of patient understanding, and documentation of educational activity.

Objectives:

The student should be able to:

1. Counsel patients on use, administration, potential side-effects, monitoring, and special storage requirements of a medication.
2. Counsel patients on the proper technique for administering various dosage forms to include inhalers, injectables, eye drops/ointments, topical patches, nasal sprays, topical creams/ointments/lotions, suppositories, and any others that are pertinent to the practice site.
3. Counsel patients on the correct use of medical devices and home-monitoring instruments.
4. Identify modifiable risk factors (diet, lifestyle, etc.) and provide necessary information and education to reinforce adherence to non-pharmacologic treatments in addition to medications.
5. Distribute and explain patient MedGuides to patients when appropriate.
6. Research and provide answers to drug information questions that come from patients.

Goal #2: The student will participate in the process and procedures utilized by the site in monitoring medication safety.

Objectives:

The student should be able to:

1. Identify, report, track, analyze adverse drug reactions, medication errors, and drug recalls.
2. Evaluate medication error reports to identify trends and opportunities to enhance patient safety.
3. Clarify prescription orders with a prescriber when incomplete or erroneous information is detected.
4. Identify the approved abbreviations and high alert medications utilized at the site.
5. Identify and utilize technology (i.e. bar-coding, computerized physician order entry, electronic medication record, smart pumps) which enhances patient safety.
6. Participate in the medication reconciliation process utilized by the site.
7. Recognize and apply accreditation standards to ensure patient safety (i.e. The Joint Commission Patient Safety Goals, NCQA).
8. Explain strategies used by the site to analyze and prevent future system failures (i.e. FMEA - failure mode effects analysis).

Continued

Goal #3: The student will participate in the performance improvement of the medication use system to include prescribing, transcription, dispensing, administration, and monitoring.

Objectives:

The student should be able to:

1. Critique the necessary steps in processing a prescription for patient use.
2. Recognize errors in data entry, misinterpretation of orders and the distribution of wrong drugs, doses, or dosage forms.
3. Identify look-alike and sound-alike drugs available at the site.
4. Evaluate production processes to ensure pharmaceutically safe and elegant medications are prepared for patients.
5. Review quality assurance records to ensure proper storage, handling, and maintenance of medications and devices.
6. Monitor compliance of sterile product preparation policies and procedures.
7. Review the process used in the provision of investigational drug services within a hospital pharmacy.

Goal #4: The student will identify the appropriate monitoring parameters for drug therapy.

Objectives:

The student should be able to:

1. Identify the components of a patient medical record or chart and gain an understanding of the value of each section.
2. Review patient's medical record to identify disease states, social history, allergies, medication history, and other pertinent health and patient information.
3. Utilize patient history, physical assessment techniques, laboratory data and medication history to identify appropriate monitoring parameters for a patient's drug therapy.
4. Utilize resources to monitor for medication adherence, assessing potential drug interactions, interpreting laboratory tests, and assessing medication side-effects.
5. Utilize the appropriate methods to assess patient's response to drug therapy such as laboratory data, blood pressure readings, heart rate, extremity swelling/edema, skin changes, clinical signs and symptoms, etc.
6. Determine the most effective and safest dose and route of administration of a medication for a patient.

Goal #5: The student will participate in the process to ensure pharmacy compliance with legal, regulatory, safety, and accreditation requirements.

Objectives:

The student should be able to:

1. Review the policies and procedures utilized by a pharmacy to maintain compliance with the legal, regulatory, safety, and accreditation requirements.
2. Review the federal and state pharmacy laws.
3. Review the prescribing guidelines for various health care practitioners (i.e. Physician Assistants, Nurse practitioners, Optometrists, etc)
4. Participate in controlled substance record keeping including utilization of the Ohio Automated Rx Reporting System (OARRS), detecting drug diversion, and reporting theft.
5. Review policies and procedures regarding medications with special prescribing and dispensing requirements (i.e. pseudoephedrine, clozapine, isotretinoin, buprenorphine, tikosyn, etc.).

6. Review the utilization and regulations associated with the electronic prescribing (E-prescribing) of medications.
7. Review the appropriate accreditation standards for the site (i.e. Joint Commission Accreditation Standards for Healthcare Organizations, NCQA, others).
8. Review the certification, competency, and training standards for personnel within the pharmacy.

Goal #6: The student will prepare and deliver a presentation (i.e. patient case, journal club, drug information question) using the format described to the student in the didactic PPCE course, to personnel at the practice site.

Objectives:

The student should be able to:

1. Identify and prepare a pharmacy related topic or patient case presentation for the preceptor or other suitable audience.
2. Encourage the audience to ask questions and provide feedback on the presentation.

Goal #7: The student will participate in a project that involves an area of the medication use system or addresses patient safety.

Objectives:

The student should be able to:

1. Develop and complete a project related to medication safety, patient education, quality assessment, medication review. The project should involve the analysis of collected data with summary of findings and possible recommendations.
2. The student will prepare a summary of the project which they participated in or completed.

Note examples of suitable projects can include but *not limited to*:

- Categorize and track of medications errors, adverse drug reactions, or drug recalls.
- Conduct a failure mode effects analysis (FMEA) to determine potential cause of medication errors.
- Implement a measure to reduce medication errors associated with a high-alert medication.
- Conduct a medication utilization evaluation.
- Assessment of a medication reconciliation process.
- Identify and recommend an improvement to a certain aspect of the medication use system utilized by the pharmacy.
- Monitor and track compliance with a pharmacy policy, procedure, or accreditation standard(s).
- Develop a unique patient education material for a medication or device
- Evaluate medication adherence among a select group of patients.
- Monitor and track storage requirements or expiration dating for medications stored in electronic dispensing device.
- Monitor and track controlled substance record keeping or the detection of possible drug diversion.
- Develop a tool or procedure to improve the monitoring of patient drug therapy
- Assess of a medication monitoring program
- Any other suitable project which would focus on some aspect of the medication use system or patient safety.