I

**2024 Spring Update Seminar and Live Webinar**

**Day 1 (CE Credit Day 1 = 8 hours)**

7:55 – 8:00 am

Activity Overview, James Wheeler, PharmD, BCPS

8:00 – 10:05 am (to include a five-minute break)

***Pharmacology and Therapeutics of Recently Introduced Drugs***

Kelsey Frederick, PharmD

10:05 – 10:10 am

Break

10:10 – 12:15 pm (to include a five-minute break)

***Recent Pharmacotherapeutic Advancements: A Systems Based Approach***

James Wheeler, PharmD, BPCS

Lunch break

12:15 – 1:00 pm

1:00 – 2:00 pm

***High Alert for Medication Safety: Clinical Practice Pearls***

Becca Moore, PharmD

2:00 – 2:05 pm

Break

2:05 – 3:05

***Immunization Update***

S. Justin Miser, PharmD

Lindsey Henson, PharmD

3:05 – 3:10 pm

Break

*3:10 – 4:15 (to include a five-minute break)*

***Key Concepts in Developing Collaborative Practice Agreements***

Drew Armstrong, PharmD, BCACP, BC-ADM, AAHIVP

*4:10 – 5:15 (to include a five-minute break)*

***Clinical Pearls in Ambulatory Care***

Drew Armstrong, PharmD, BCACP, BC-ADM, AAHIVP

5:15 Dismissal

**Day 2 (CE Credit Day 2 = 7 hours)**

7:55 – 8:00 am

Activity Overview, James Wheeler, PharmD, BCPS

8:00 – 9:30 am

***Federal Pharmacy Law Update***

Rachel Barenie, PharmD, JD, MPH

9:30 – 9:40 am

Break

9:40 – 11:10 am

***Tennessee Board of Pharmacy: Legal and Regulatory Issues***

Lucy Shell, PharmD

11:10 – 11:20 am

Break

11:20 – 12:20 am

***Pharmacist Credentialing, Contracting, and Billing***

Pearson Balatow, PharmD & Keaton Higgins, PharmD, ATC

12:20 – 1:00 pm

Lunch break

1:00 – 2:00 pm

***Are we there yet? Navigating the changes to compounding rules***

Cindy Brasher, PharmD, MS, BCPS, BCSCP

2:00 – 2:10 pm

Break

2:10 – 3:10 pm

***UT Pharmacy CSMD Update 2024***

Pete Phillips, D.Ph.

3:10 – 3:20 pm

Break

3:20 – 4:20 pm

***Things go wrong! 10 Tips to Mitigate Risk in Pharmacy Practice***

Rachel Barenie, PharmD, JD, MPH

4:20 Adjournment

Target Audience – These activities are primarily intended for pharmacists and technicians from all practice settings. No prerequisites required.

Educational Objectives:

Upon completion of these activities, the participant should be able to:

***Pharmacology and Therapeutics of Recently Introduced Drugs***

Kelsey Frederick, PharmD

Assistant Professor, Department of Clinical Pharmacy and Translational Science

UTHSC College of Pharmacy

0064-0000-24-002-L01-P/T

CE credits: 2 hours

Pharmacist Objectives:

* Describe the pharmacological rand therapeutic application(s) of drugs introduced in 2023.
* Identify the role of efficacy and cost of newly approved medication compared to existing agents.
* Discuss safety profile and potential adverse drug reactions of newly introduced drugs.

Pharmacy Technician Objectives:

* List the primary use of drugs introduced in 2023.
* Identify costs of newly approved medications compared to existing agents.

***Recent Pharmacotherapeutic Advancements: A Systems Based Approach***

James Wheeler, PharmD, BCPS

Associate Professor, Department of Clinical Pharmacy and Translational Science

Director of Continuing Professional Development

UTHSC College of Pharmacy

0064-0000-24-002-L01-P/T

CE credits: 2 hours

Pharmacist Objectives:

* Review of Basic Pharmacological Concepts; FDA Process; Adverse drug Effects, Drug Interactions, Boxed Warnings.
* Review updates to drugs Used in Cardiovascular Health, Diabetes, Dementia and Women’s Health, and other key disease states.
* Discuss key counseling points on Recent Pharmacological Developments.

Pharmacy Technician Objectives:

* Review of Basic Pharmacological Concepts; FDA Process; Adverse drug Effects, Drug Interactions, Boxed Warnings.
* Review updates to drugs Used in Cardiovascular Health, Diabetes, Dementia and Women’s Health, and other key disease states.
* Discuss key counseling points on Recent Pharmacological Developments.

***High Alert for Medication Safety: Clinical Practice Pearls***

Becca Moore, PharmD

0064-0000-24-003-L05-P/T

CE credits: 1 hour

Pharmacist Objectives:

* Define various current medication safety processes that lead to safe medication utilization.
* Identify risks associated with current medication use processes.
* Identify new guidelines published by the ISMP to improve the medication safety process.
* Discuss strategies that can be used to reduce medication errors.

Pharmacy Technician Objectives:

* Define foundational concepts regarding medication safety.
* Identify risks associated with procurement and storage in the current medication use processes.
* Describe areas of opportunity to improve medication safety in pharmacy operations.
* Discuss strategies that can be used to reduce medication errors.

***2024 Spring Immunization Update***

Justin Miser, PharmD

PIC Kroger Pharmacy

Maryville, TN

Lindsey Henson, PharmD

0064-0000-24-004-L06-P/T

CE credits: 1 hour

Pharmacist Objectives:

* Review vaccine-preventable diseases.
* Describe the updates of recent changes to immunization recommendations.
* Recognize the indications and considerations for currently available or recently approved vaccines.
* List immunization-related resources for practice.

Pharmacy Technician Objectives:

* Review vaccine-preventable diseases.
* Describe the updates of recent changes to immunization recommendations.
* Recognize the indications and considerations for currently available or recently approved vaccines.
* List immunization-related resources for practice.

***Key Concepts in Developing Collaborative Practice Agreements***

Drew Armstrong, BCACP, BC-ADM, AAHIVP

Ambulatory and Specialty Pharmacy Clinical Coordinator

Regional One Health

0064-0000-24-005-L04-P/T

CE credits: 1 hour

Pharmacist Objectives:

* Define what is Collaborative Practice Agreement (CPA) in Tennessee.
* Review components of a CPA.
* Identify barriers to CPA implementation.
* Describe ongoing monitoring requirements for a CPA.

Pharmacy Technician Objectives:

* Define what is Collaborative Practice Agreement (CPA) in Tennessee.
* Review components of a CPA.
* Identify barriers to CPA implementation.
* Describe ongoing monitoring requirements for a CPA.

***Clinical Pearls in Ambulatory Care***

Drew Armstrong, BCACP, BC-ADM, AAHIVP

Ambulatory and Specialty Pharmacy Clinical Coordinator

Regional One Health

0064-0000-24-006-L01-P/T

CE credits: 1 hour

Pharmacist Objectives:

* Review new options for long acting injectables for HIV Pre-Exposure Prophylaxis (PrEP).
* Identify appropriate patients to prescribe fineronone for Type 2 Diabetes associated chronic kidney disease (CKD).
* Recognize clinical benefit of emerging therapies for weight loss.
* Review a new vaccine for Respiratory Syncytial Virus Infection (RSV).

Pharmacy Technician Objectives:

* List new long acting injectables for HIV Pre-Exposure Prophylaxis (PrEP).
* Describe new therapies available for Type 2 Diabetes associated chronic kidney disease.
* Identify treatment options for obesity.
* Recognize a new vaccine available for Respiratory Syncytial Virus Infection (RSV).

***Federal Law Updates***

Rachel Barenie, PharmD, JD, MPH

Assistant Director of Continuing Professional Development

Assistant Professor, Department of Clinical Pharmacy and Translational Science

UTHSC College of Pharmacy

0064-0000-24-007-L03-P/T

CE credit: 1.5 hours

Pharmacist Objectives:

* List recent federal pharmacy law changes that impact pharmacy practice.
* Discuss potential barriers to implementation of recent federal law changes.
* Identify areas of federal law ripe for future change in 2024.

Pharmacy Technician Objectives:

* List recent federal pharmacy law changes that impact pharmacy practice.
* Discuss potential barriers to implementation of recent federal law changes.
* Identify areas of federal law ripe for future change in 2024.

***Tennessee Board of Pharmacy: Legal and Regulatory Issues***

Lucy Shell, PharmD

0064-0000-24-008-L03-P/T

CE credit: 1.5 hours

Pharmacist Objectives:

* List new and pending regulations of the Tennessee Board of Pharmacy.
* Describe the boundaries between pharmacist and pharmacy technician responsibilities.
* Explain how to practice safely and effectively under Board of Pharmacy and Department of Health guidelines and regulations.

Pharmacy Technician Objectives:

* List new and pending regulations of the Tennessee Board of Pharmacy.
* Describe the boundaries between pharmacist and pharmacy technician responsibilities.
* Explain how to practice safely and effectively under Board of Pharmacy and Department of Health guidelines and regulations.

***Pharmacist Credentialing, Contracting, and Billing***

Pearson Balatow, PharmD & Keaton Higgins, PharmD, ATC

0064-0000-24-009-L04-P/T

CE credit: 1 hour

Pharmacist Objectives:

* Describe the business opportunities available for pharmacies when their pharmacist staff pursue credentialing and contracting.
* Explain the public health need for pharmacists providing patient care services under the medical benefit.
* Examine the barriers to credentialing for pharmacists.
* Demonstrate the steps to completing the credential process through a credentialing platform.

Pharmacy Technician Objectives:

* Describe the business opportunities available for pharmacies when their pharmacist staff pursue credentialing and contracting.
* Explain the public health need for pharmacists providing patient care services under the medical benefit.
* Examine the barriers to credentialing for pharmacists.
* Demonstrate the steps to completing the credential process through a credentialing platform.

***Are we there yet? Navigating the changes to compounding rules***

Cindy Brasher, PharmD, MS, BCPS, BCSCP

Manager of Compounding

St. Jude Children’s Research Hospital

0064-0000-24-010-L07-P/T

CE Credit: 1 hour

Pharmacist Objectives:

* Describe the submitted changes to the Tennessee Board of Pharmacy compounding rules.
* List key changes for USP 797 and 795 standards.
* Discuss USP 800 requirements for the outpatient pharmacy setting.
* Summarize environmental excursion action plan steps.

Pharmacy Technician Objectives:

* Describe the submitted changes to the Tennessee Board of Pharmacy compounding rules.
* List key changes for USP 797 and 795 standards.
* Discuss USP 800 requirements for the outpatient pharmacy setting.
* Summarize environmental excursion action plan steps.

***UT Pharmacy CSMD Update 2024***

Pete Phillips, D. Ph

0064-0000-24-011-L08-P/T

CE Credits: 1 hour

Pharmacist Objectives:

* Describe policies and tools within the Tennessee Controlled Substance Monitoring Database that can assist pharmacists with dispensing controlled substances.
* List red flag warning signs related to prescribing and dispensing controlled substances.

Pharmacy Technician Objectives:

* Discuss how pharmacy technicians can assist pharmacists to uphold their corresponding responsibilities when dispensing controlled substances.
* List red flag warning signs related to prescribing and dispensing controlled substances.

***Things go wrong! 10 Tips to Mitigate Risk in Pharmacy Practice***

Rachel Barenie, PharmD, JD, MPH

Assistant Director of Continuing Professional Development

Assistant Professor, Department of Clinical Pharmacy and Translational Science

UTHSC College of Pharmacy

0064-0000-24-012-L05-P/T

CE credit: 1 hour

Pharmacist Objectives:

* Complete a risk management self-assessment.
* Discuss recent pharmacy law cases and compliance issues.
* Recall key takeaways from cases and compliance issues to mitigate risk.
* Recall tips to stay up-to-date in pharmacy law.

Pharmacy Technician Objectives:

* Complete a risk management self-assessment.
* Discuss recent pharmacy law cases and compliance issues.
* Recall key takeaways from cases and compliance issues to mitigate risk.
* Recall tips to stay up-to-date in pharmacy law.

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*Please allow up to 30 days for your credit to appear on CPE Monitor.*

Type of Activity: Knowledge

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**Participating Faculty:**

Kelsey Frederick, PharmD

James Wheeler, PharmD, BPCS

Rachel Barenie, PharmD, JD, MPH

Rebecca Moore, PharmD

S. Justin Miser, PharmD

Lindsey Henson, PharmD

Drew Armstrong, PharmD, BCACP, BC-ADM, AAHIBP

Lucy Shell, PharmD

Person Balatow, PharmD

Keaton Higgins, PharmD, ATC

Cindy Brasher, PharmD, MS, BCPS, BCSCP

Pete Phillips, D. Ph

**Financial disclosures:** TBA.

All of the relevant financial relationships listed for these individuals have been mitigated.

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**Questions?**

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**Tuition**

Pharmacist:

Day 1 Only: $150

Day 2 Only: $140

Both Days: $275

Pharmacy Technician:

Day 1 Only: $90

Day 2 Only: $70

Both Days: $170

There is a $30 fee for any returned check. Refunds, less a $20 administrative fee, will be given only if the College of Pharmacy receives notification of cancellation prior to 10 a.m. (EST) on the Wednesday prior to the scheduled seminar. Day-of registrants will be charged an additional fee.

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We encourage all participants to **pre-register** to ensure space to accommodate your participation. **Provide the information requested on the registration form and pre-register via our online portal:** [www.uthsc.edu/pharmacy/ce](http://www.uthsc.edu/pharmacy/ce), click on “Online Seminar Enrollment”

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A participant, sponsor, faculty member or other individual wanting to file a grievance with respect to any aspect of an activity provided or co-provided by the UTCOP may contact the Associate Dean for Continuing Education in writing, by email jwheele4@uthsc.edu by phone (865) 974-6605. The grievance will be reviewed and a response will be returned within 45 days of receiving the written statement. If not satisfied, you may appeal your grievance to the Dean of the College of Pharmacy for a second level of review.

**Required Computer Hardware/Software:**

Please ensure the computer you plan to use meets the following requirements:

• Operating System: Windows or Macintosh

• Supported Browsers: Microsoft Internet Explorer, Firefox, Google Chrome, Safari and Opera

• Most importantly, an Internet connection