

2025 Fall Therapeutics Live Webinar

Day 1 (CE Credit Day 1 = 8 hours) (All times are Central Time)

7:55 – 8:00 am CT

Activity Overview, James Wheeler, PharmD, BCPS

8:00 – 10:05 am CT (to include a 5-minute break)

Pharmacology and Therapeutics of Recently Introduced Drugs

Kelsey Frederick, PharmD

10:05 – 10:10 am CT

Break

10:10 – 12:15 pm CT (to include a 5-minute break)

Recent Pharmacotherapeutic Developments: News you can use!

James Wheeler, PharmD, BCPS

12:15 – 1:00 pm CT

Lunch Break

1:00 – 3:05 pm CT (to include a 5-minute break)

Current Trends in Infectious Diseases: Resistance, Treatment, and Stewardship

Kayihura Manigaba, PharmD, BCIDP

3:05 – 3:10 pm CT

Break

3:10 – 4:10 pm CT

OA Rx: What's New, What's Next, and What Works

Katherine March, PharmD, BCPS

4:10 – 4:15 pm CT

Break

4:15 – 5:15 pm CT

Telehealth and Pharmacy Practice: Emerging Opportunities for Pharmacists in Tennessee

Ashley Ellis, PharmD, MBA, CDECS

5:15 pm CT Dismissal

Day 2 (CE Credit Day 2 = 7 hours)

7:55 – 8:00 am CT

Activity Overview, James Wheeler, PharmD, BCPS

8:00 – 9:00 am CT

Attention Through the Ages

Hannah Holbert, PharmD, MPH

9:00 – 9:05 am CT

Break

9:05 – 10:05 am CT

Heart-Healthy Recipes for Success

Hannah Holbert, PharmD, MPH

10:05 – 10:10 am CT

Break

10:10 – 11:10 am CT

Immunization Update

TBD

11:10 – 11:15 am CT

Break

11:15 – 12:15 pm CT

Is this a Gas Station or a Pharmacy? Examining Common "Gas Station Drugs"

Lisa Hayes, PharmD, BCCCP, BCEMP

12:15 – 1:00 pm CT

Lunch break

1:00 – 3:05 pm CT (to include a 5-minute break)

Empowering Diabetes Care: Optimizing GLP-1s, SGLT-2s, and Real-Time Glucose Data

Tabitha House, PharmD, MAT

3:05 – 3:10 pm CT

Break

3:10 – 4:10 pm CT

From Dispensing to Disease Prevention: Pharmacists at the Frontlines of Public Health

Alina Cernasev, PhD, PharmD, MSc

4:10 pm CT

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:

Recent Pharmacotherapeutic Updates

UAN: 0064-0000-25-200-L01-P/T (4 hours)

Pharmacist Objectives:

- Describe the pharmacological and therapeutic application(s) of drugs introduced in 2024.
- Identify the role of efficacy and cost of newly approved medications to existing agents.
- Discuss safety profiles and potential adverse drug reactions of newly introduced drugs.
- Identify essential information to counsel patients on changes in the therapeutic application(s) of existing drugs and alternative therapies.
- Discuss current studies and controversies in pharmacotherapy literature.

Pharmacy Technician Objectives:

- List the primary use of drugs introduced in 2024.
- Identify the role of cost of newly approved medications to existing agents.
- Identify essential information to assist pharmacists in counseling patients on changes in the therapeutic application(s) of existing drugs and alternative therapies.

Current Trends in Infectious Diseases: Resistance, Treatment, and Stewardship

UAN: 0064-0000-25-201-L01-P/T (2 hours)

Pharmacist Objectives:

- Explain key mechanisms and trends in antimicrobial resistance and their clinical impact.
- Identify current national and international treatment guidelines to select appropriate therapy for common infectious diseases.
- Outline patient scenarios to identify suboptimal antimicrobial use and opportunities for intervention.
- Describe antimicrobial regimens for appropriateness in terms of drug, dose, duration, and de-escalation.
- Recall methods for collaborating with the healthcare team to design and implement effective antimicrobial stewardship strategies.

Pharmacy Technician Objectives:

- Describe the basic principles of antimicrobial resistance and antimicrobial stewardship.
- Describe unusual dosing, drug interactions, or missing information in antimicrobial prescriptions to the supervising pharmacist.
- Identify and report discrepancies or safety concerns related to antimicrobial orders.
- Assist pharmacists in antimicrobial stewardship activities through accurate data entry and communication of therapy updates.
- Record antimicrobial usage and therapy adjustments in compliance with pharmacy workflow and regulatory standards.

OA Rx: What's New, What's Next, and What Works

UAN: 0064-0000-25-202-L01-P/T (1 hour)

Pharmacist Objectives:

- Describe current trends and emerging therapies in the management of osteoarthritis, including both pharmacologic and non-pharmacologic approaches.
- Identify opportunities for pharmacists to enhance patient outcomes through education, adherence support, and lifestyle counseling in OA care.
- State insights into monitoring and managing potential side effects and complications from drug therapy.

Pharmacy Technician Objectives:

- Recognize common medications and therapies used in the treatment of osteoarthritis.
- State insights into potential side effects and monitoring.
- Describe how patient insurance can affect access to medications.

Telehealth and Pharmacy Practice: Emerging Opportunities for Pharmacists in Tennessee

UAN: 0064-0000-25-203-L04-P/T (1 hour)

Pharmacist Objectives:

- Identify the existing federal and state regulations surrounding telehealth, with particular attention to their impact on pharmacy practice.
- List optimal strategies for pharmacists to implement compliant and efficient provision of virtual health.
- Discuss pharmacy practice opportunities for sustainable Telepharmacy and telehealth integration in Telehealth.

Pharmacy Technician Objectives:

- Identify the existing federal and state regulations surrounding telehealth, with particular attention to their impact on pharmacy practice.
- List optimal strategies for pharmacists to implement compliant and efficient provision of virtual health.
- Discuss pharmacy practice opportunities for sustainable Telepharmacy and telehealth integration in Telehealth.

Attention Through the Ages

UAN: 0064-0000-25-204-L01-P/T (1 hour)

Pharmacist Objectives:

- Identify the mechanisms by which FDA-approved medications are used to treat ADHD.
- Recognize patient-specific considerations when selecting an FDA-approved medication for the treatment of ADHD.
- Outline treatment considerations of ADHD in childhood, adulthood, and special populations.

Pharmacy Technician Objectives:

- Identify the mechanisms by which FDA-approved medications are used to treat ADHD.

- Recognize patient-specific considerations when selecting an FDA-approved medication for the treatment of ADHD.
- Outline treatment considerations of ADHD in childhood, adulthood, and special populations.

Heart Healthy Recipes for Success

UAN: 0064-0000-25-205-L01-P/T (1 hour)

Pharmacist Objectives:

- List between the pathophysiology of HFrEF and HFpEF.
- Identify the four main pillars of HFrEF GDMT.
- Identify the two main pillars of HFpEF GDMT.
- Define primary literature supporting the use of GDMT in patients with HF.
- Discuss patient-specific characteristics when determining optimal HF treatment.

Pharmacy Technician Objectives:

- List the differences between the pathophysiology of HFrEF and HFpEF.
- Identify the four main pillars of HFrEF GDMT.
- Identify the two main pillars of HFpEF GDMT.
- Define primary literature supporting the use of GDMT in patients with HF.
- Discuss patient-specific characteristics when determining optimal HF treatment.

Immunization Update

UAN: 0064-0000-25-206-L06-P/T (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.

Is This a Gas Station or a Pharmacy? Examining Common "Gas Station Drugs"

UAN: 0064-0000-25-207-L01-P/T (1 hour)

Pharmacist Objectives:

- Identify supplements that are commonly available at gas stations or smoke shops including their FDA approval status
- Discuss the pharmacology for delta 8, kratom, tianeptine, and phenibut including possible drug-drug interactions

- Identify signs and symptoms of the patient to determine which substance may have been ingested
- Describe appropriate reversal agents or supportive care for these “gas station supplements”

Pharmacy Technician Objectives:

- Identify supplements that are commonly available at gas stations or smoke shops including their FDA approval status
- Recognize common adverse effects and drug-drug interactions for delta 8, kratom, tianeptine, and phenibut.

Empowering Diabetes Care: Optimizing GLP-1s, SGLT-2s, and Real-Time Glucose

UAN: 0064-0000-25-208-L01-P/T (2 hours)

Pharmacist Objectives:

- Describe the mechanisms of action, clinical benefits, and safety profiles of GLP-1 receptor agonists and SGLT-2 inhibitors in the management of type 2 diabetes.
- Outline current clinical guidelines and evidence supporting the use of GLP-1 RAs and SGLT-2 inhibitors for patients with comorbid conditions such as cardiovascular disease, heart failure, or chronic kidney disease.
- Identify appropriate patient populations for initiation of GLP-1 RAs, SGLT-2 inhibitors, and CGMs, considering contraindications, cost, and patient-specific factors.
- Define CGM data to assess glycemic control, recognize patterns of hyperglycemia and hypoglycemia, and adjust therapy accordingly.
- Recall patient counseling strategies to improve adherence, manage adverse effects, and optimize the use of GLP-1 RAs, SGLT-2 inhibitors, and CGM technology.

Pharmacy Technician Objectives:

- Recognize the names, dosage forms, and common brand/generic examples of GLP-1 receptor agonists and SGLT-2 inhibitors used in type 2 diabetes.
- Identify common side effects and storage requirements associated with GLP-1 RAs and SGLT-2 inhibitors to support patient education and pharmacist counseling.
- Define the basic function and purpose of continuous glucose monitors (CGMs), including how they differ from traditional blood glucose meters.
- Describe patient access and adherence by helping with refill coordination, manufacturer savings programs, and communication between patients and pharmacists.

From Dispensing to Disease Prevention: Pharmacists at the Frontlines of Public Health

UAN: 0064-0000-25-209-L01-P/T (1 hour)

Pharmacist Objectives:

- Describe the responsibilities of pharmacists in promoting public health and preventing disease.
- Identify public health initiatives and programs in which pharmacists play a crucial role.
- List the barriers and facilitators to pharmacist involvement in public health across various practice settings.
- Discuss effective communication strategies for public health initiatives led by pharmacists.

Pharmacy Technician Objectives:

- Describe the expanding role of pharmacy technicians in supporting pharmacists in public health initiatives.
- Identify public health opportunities that pharmacy technicians can assist with including data collection.
- Discuss workflow processes that enable pharmacy technicians to effectively support pharmacists.



Continuing Education Information – The University of Tennessee College of Pharmacy is accredited by the Accreditation Council for Pharmacy Education (ACPE) as a provider of continuing pharmacy education. Successful completion of these knowledge-based activities will provide a statement for up to 15 hours of CPE credit: 8 contact hours of credit (0.8 CEU) on day #1 and 7 contact hours of credit (0.7 CEU) on day #2. Successfully completing the activity and receiving credit includes: 1) reading the learning objectives and faculty disclosures; 2) participating in the educational activity; 3) evaluating the activity; and 4) completing all self-assessment instruments and CE credit submission form. CE credit will be submitted to the NABP CPE monitor within 30 days. *It is recommended that you check your NABP CPE Monitor e-profile database 30 days after the completion of any CE activity to ensure that your credits are posted.*

NABP e-PROFILE ID NUMBER: Pharmacists with questions regarding their NABP e-Profile or CPE Monitor should refer to the FAQ section on the NABP website: <https://nabp.pharmacy/cpe-monitor-service/cpe-monitor-faqs/>. To receive credit for your participation in this activity, all pharmacists must include their **CORRECT** NABP e-Profile ID number, along with their month and date of birth. If incorrect information is provided, this will result in “rejected” status from the CPE Monitor. *It is the responsibility of the participant to notify The University of Tennessee (within the 60-day submission timeframe) of their corrected information. Otherwise, the completed CE will not be accepted by the CPE Monitor.*

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

Type of Activity: Knowledge

Full Disclosure Policy Affecting CPE Activities – As an accredited provider by the Accreditation Council for Pharmacy Education (ACPE), it is the policy of The University of Tennessee College of Pharmacy to require the disclosure of the existence of any significant financial interest or any other relationship a faculty member or a sponsor has with the manufacturer(s) of any commercial product(s) discussed in an educational presentation. The Course Director and Participating Faculty reported the following:

Participating Faculty:

Kelsey Frederick, PharmD
James Wheeler, PharmD, BCPS
Katherine March, PharmD, BCPS
Ashley Ellis, PharmD, MBA, CDECS

Hannah Holbert, PharmD, MPH
Lisa Hayes, PharmD, BCCCP, BCEMP
Tabitha House, PharmD, MAT
Alina Cernasev, PhD, PharmD, MSc

Financial disclosures: None

How to earn credit: Participants must complete the activity as described above in the Credit Designation Statement.

In accordance with ACPE Criteria for Quality, the audience is advised that authors in this CPE activity may include reference(s) to unlabeled, unapproved, or investigational uses of therapeutic agents or biomedical devices. The presenters will inform the learner when they discuss or reference unapproved, unlabeled, or investigational use of a therapeutic agent or biomedical device.

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Questions?

If you have questions regarding this CPE activity, please call the Office of Continuing Education at (865) 974-6605, e-mail: jwheele4@uthsc.edu or refer to our web site: www.uthsc.edu/pharmacy/ce . Please contact the office of continuing education if you need special accommodation such as sight, hearing or access at this seminar.

Tuition

Pharmacist:

Day 1 Only: \$160

Day 2 Only: \$150

Both Days: \$285

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.

In compliance with a new UT policy, the College can no longer accept credit cards via phone, fax, or mail. Credit cards are acceptable for online registration only.

How to Register

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, click on "Online Seminar Enrollment"

Grievance Policy

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 jwhee4@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