

Preventing Pediatric Medication Errors: Strategies for the Pharmacy Technician

CONTINUING PHARMACY EDUCATION (CPE) ACTIVITY

Date: Sunday, October 26, 2025

Time: 1:00 PM – 3:15 PM

Location: Samford University College of Health Sciences (CHS) 1409

Activity Description: This application-based continuing pharmacy education (CPE) activity focusing on *Preventing Pediatric Medication Errors: Strategies for the Pharmacy Technician* is approved for 2 live contact hours (0.2 CEUs). It is intended and appropriate for all pharmacy technicians. To receive credit, participants must attend the entire session and complete activity assessments. Credit will be sent electronically through CPE Monitor within 30 days following the program. NABP e-Profile ID# and Date of Birth (mmdd) required.

STATEMENT OF EDUCATIONAL NEED

Medication errors in pediatric patients remain a significant safety concern, with evidence showing that younger children are at particularly high risk due to weight-based dosing and developmental differences in medication handling.¹ The Joint Commission emphasizes that pediatric errors are both preventable and disproportionately harmful, underscoring the urgency of equipping frontline staff with targeted safety strategies.² Pharmacy technicians are integral to prescription entry, compounding, and dispensing processes, where errors can occur with serious consequences.³ This activity will focus on pediatric medication error prevention and will address knowledge gaps, strengthen technician competence, and support system-level safeguards to protect this vulnerable population.

Source(s):

1. Badgery-Parker T, Li L, Fitzpatrick E, Mumford V, Raban MZ, Westbrook JI. Child age and risk of medication error: a multisite children's hospital study. *J Pediatr*. 2024 Sep;272:114087.
2. The Joint Commission. Preventing pediatric medication errors. Published 2025. Accessed August 26, 2025. <https://digitalassets.jointcommission.org/api/public/content/cf157ef6d0e34b05b28ac4693d86bff2?v=0dcc5016>
3. Knudsen P, Herborg H, Mortensen AR, Knudsen M, Hellebek A. Preventing medication errors in community pharmacy: frequency and seriousness of medication errors. *Qual Saf Health Care*. 2007;16(4):291-296. doi:10.1136/qshc.2006.018770

Activity Faculty: *

John Arnold, PhD, RPh

Professor and Director, Non-degree Programs

McWhorter School of Pharmacy

Chesca Barnett, PharmD

Staff Pharmacist

Children's of Alabama

*Speakers have no relevant conflicts of interests to disclose.

Activity Learning Objectives:

After this session, the participant should be able to:

- Describe unique factors that contribute to increased risk of medication errors in pediatric patients.
- Identify common types of pediatric medication errors and high-risk scenarios in pharmacy settings.
- Recall regulatory standards and guidelines that impact pediatric medication safety (e.g., USP chapters, ISMP recommendations).
- Characterize the pharmacy technician's role in reducing pediatric dosing and preparation errors.
- Apply strategies and best practices to enhance safety in pediatric medication preparation and dispensing.

Activity Schedule:

12:30 P.M.: Sign In/Registration

1:00 – 2:00 P.M.: Preventing Pediatric Medication Errors: Strategies for the Pharmacy Technician - Part 1

2:00 – 2:15 P.M.: Break

2:15 – 3:15 P.M.: Preventing Pediatric Medication Errors: Strategies for the Pharmacy Technician – Part 2

3:15 P.M.: Dismiss

Activity Cost: \$20** (\$30 at the door)

****Registration:** For online registration go to: <http://www.samford.edu/pharmacy/continuing-education>

ACPE UAN #:0002-0000-25-009-L05-T



Samford University McWhorter School of Pharmacy is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.

This ACPE-accredited CPE activity is conducted without commercial support or influence of any kind.