

### Course Description

This one-day pharmacology course is designed to introduce concepts of how drugs are developed and basic pharmacokinetics. The actions of various classifications of drugs, including beta blockers, ACE inhibitors, statins and anticoagulants, will also be explored. The course is intended for nurses at the bedside, educators and advanced practice nurses.

### Key Learning Outcome

- After completing the program, 80% of participants will report an increase in knowledge that will positively impact their practice.

### Program Objectives

*This program prepares the learner to:*

- Understand the process for developing drugs.
- Understand basic pharmacokinetics.
- Identify important concepts of pharmacokinetics in the elderly.
- Discuss the use and action of beta blockers, ACE inhibitors (ACEI), angiotensin blockers (ARBs), statins and various anticoagulants.

### Agenda

*Sign-in begins at 7:30 am.* The day includes a one-hour lunch (on your own), as well as a morning and afternoon break of 15 minutes each. The order of lectures presented and break times may vary according to speaker preference.

#### 8:00 am to 4:30 pm

##### **Drug Development | Introduction to Pharmacokinetics in the Elderly**

Pre-Clinical, Phases I, II, III | Post-Marketing Surveillance, Orphan Drugs | Introduction to Basic Pharmacokinetics | Protein Binding and Metabolism, Drug Actions, CYP-450 System, P-Glycoprotein, Excretion and Creatinine Clearance

##### **Basic Cardiac Function**

Pathophysiology | Medications

##### **Beta Blockers**

Indications, Actions, Dosing and Special Considerations

##### **ACEI | ARBs**

Indications, Actions, Dosing and Special Considerations

##### **Calcium Channel Blockers**

Indications, Actions, Dosing and Special Considerations

##### **Additional AHA Recommended Medications**

Indications, Actions, Dosing and Special Considerations

##### **Statins | Anticoagulants | Platelet Inhibitors**

Indications, Actions, Dosing and Special Considerations

##### **Pulmonary Hypertension**

Pathophysiology | Disease Classification | Medication

##### **Questions and Wrap-Up**

# Accreditation

**RN/LPN/LVN/Other: 7 Contact Hours**

***Includes 7 Pharmacology Contact Hours***

MED-ED, Inc is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation (**ANCC**).

MED-ED, Inc. is an approved provider by the following State Boards of Nursing: **Florida**/FBN 50-1286, **Iowa**/296, **California** #CEP10453.

If your profession is not listed, we suggest contacting your board to determine your continuing education requirements and ask about reciprocal approval. Many boards will approve this seminar based on the accreditation of the boards listed here.

© 2026 MED-ED, Inc. All rights reserved.

