

The Pharmacist & Patient-Centered Diabetes Care

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APhA is proud to announce that “The Pharmacist and Patient-Centered Diabetes Care” Certificate Training Program has won the **Alliance for Continuing Education in the Health Professions’** 2015 Award for Outstanding Live CE Activity. This award recognizes an organization for innovation and excellence in the design, educational format, and instructional delivery of a live CE activity or educational initiative.

The Pharmacist and Patient-Centered Diabetes Care Certificate Training Program is a newly revised, intensive educational experience designed to equip pharmacists with the knowledge, skills, and confidence needed to provide effective, evidence-based diabetes care. Five self-study modules provide comprehensive instruction in current diabetes concepts and standards of care. The live seminar incorporates case studies and hands-on skills training focused on the situations most likely to be encountered—as well as the services most needed—in community and ambulatory care practice settings. Participants will gain experience evaluating and adjusting drug therapy regimens for patients with type 1 and type 2 diabetes, counseling patients about lifestyle interventions, analyzing and interpreting self-monitoring of blood glucose results, and assessing the overall health status of patients to identify needed monitoring and interventions.

The goals of the certificate training program are to:

- Provide comprehensive instruction in current standards of care for patients with diabetes.
- Increase pharmacists’ confidence in serving as the drug therapy expert on the diabetes health care team.
- Refresh pharmacists’ knowledge of the pathophysiology of diabetes and the acute and long-term complications of the disease.
- Familiarize pharmacists with important concepts in nutrition, exercise, and weight control that contribute to optimal diabetes care.
- Provide training on the use of diabetes-related devices and physical assessments involved with optimal diabetes care.
- Describe business opportunities and roles for pharmacists in improving health outcomes for patients with diabetes.

This ACPE activity does not provide a [certification](#) in this topic but rather advanced professional training.

Self-Study Learning Objectives

At the completion of the self-study program, the participant will be able to:

- Recall and explain important concepts in glucose homeostasis.
- Compare the pathophysiology, clinical manifestations, and treatment of type 1 diabetes with those of type 2 diabetes.
- Recite laboratory test values and ranges that represent important diagnostic criteria or treatment goals for patients with diabetes.
- Discuss major findings of landmark diabetes trials that influence the current approach to treatment of type 1 and type 2 diabetes.
- Differentiate among the many oral and injectable antidiabetic agents available for the treatment of diabetes and categorize agents according to their primary mechanism of action, principal adverse effects, and rational role in therapy.
- Explain currently accepted approaches to managing type 1 and type 2 diabetes, as well as the appropriate clinical use of available oral and injectable antidiabetic agents.
- Apply concepts and recommendations from current dietary, physical activity, and weight management guidelines to the specific needs of patients with diabetes.
- Discuss basic concepts of carbohydrate counting and meal planning for patients with diabetes.
- Summarize current recommendations for smoking cessation.
- Describe the role and application of A1C testing and self-monitoring of blood glucose in type 1 and type 2 diabetes.
- Specify treatment goals and strategies for controlling cardiovascular risk factors in patients with diabetes.
- Identify screening and treatment recommendations for comprehensive diabetes care, including recommendations addressing nephropathy, retinopathy, foot problems, and immunizations.
- Propose specific pharmacist-led interventions and services for improving health outcomes in patients with diabetes.
- Apply elements of motivational interviewing, goal setting, problem solving, and cultural sensitivity to interactions with patients with diabetes.
- Explain how pharmacists can obtain recognized diabetes care credentials or establish a formal diabetes self-management education program.

Seminar Learning Objectives

At the completion of this seminar, the participant will be able to:

- Evaluate the overall health status of patients with diabetes in terms of recommended monitoring and interventions, and formulate strategies for closing gaps in care.
- Propose modifications to a patient’s drug therapy regimen rooted in evidence-based algorithms for diabetes management.
- Recommend dietary interventions to support optimal glycemic control and weight loss (when indicated) in patients with diabetes.
- Analyze and interpret a patient’s self-monitoring of blood glucose results and use the results to identify needed changes in the diabetes management plan.
- Demonstrate proper technique for measuring blood pressure, administering injections, obtaining fingerstick samples for blood glucose monitoring, operating blood glucose meters, and performing monofilament foot testing.
- Integrate the varied aspects of comprehensive diabetes care into efficient, sensitive, respectful pharmacist–patient interactions that support optimal patient self-management.
- Describe ways in which pharmacists can keep abreast of new developments and take advantage of professional opportunities in diabetes care

Post-Seminar Final Exam

Following completion of the live seminar, participants will be given a period of time to complete the open book final exam. The final exam will be conducted similarly to the self-study exam. Log-in information and completion code will be provided at the seminar.

Activity Completion Requirements

Successful completion of the self-study involves passing the self-study assessment with a grade of 70% or higher and successful completion of the live seminar involves passing the final exam with a grade of 70% or higher and demonstrating competency in blood pressure testing, self-injection techniques, diabetic foot exam, and blood glucose testing.

Once credit is claimed, Statements of Credit will be available online within 24 hours on the participant's CPE Monitor profile at www.nabp.net. The Certificate of Achievement will be available online upon successful completion of the necessary activity requirements on the participant's "My Training" page on www.pharmacist.com

Continuing Pharmacy Education (CPE) Information

 The American Pharmacists Association is accredited by the Accreditation Council for Pharmacy Education as providers of continuing pharmacy education. The self-study portion of The Pharmacist & Patient-Centered Diabetes Care Certificate Training Program is approved for 15 hours (1.5 CEUs) of continuing pharmacy education credit (UAN 0202-0000-14-165-H04-P; 0202-999-14-165-H04-P). The live seminar is approved for 8 hours (0.8 CEUs) of continuing pharmacy education credit (UAN 0202-9999-14-166-L04-P; 0202-9999-14-166-L04-P).

Release Date: December 15, 2014

Expiration Date: December 15, 2017

Activity Type: Practice-based

Target Audience: Pharmacists in all practice settings

Technology requirements and suggestions for a better learning experience.

In order to participate in this activity, participants must have access to a computer with these minimum system requirements:

Hardware Requirements

- 128 MB of RAM
- 16-bit video card capable of 1024x768 screen resolution or better
- Speakers or headphones

Software Requirements

- **Microsoft Windows Users**
 - Microsoft Windows 98 SE, Windows NT 4.0 SP6a, Windows 2000 SP4, or Windows XP Service Pack 1, Service Pack 2, or Service Pack 3, Windows Vista, Windows 7, or Windows 8
 - Internet Explorer 8.0 or later, Firefox 1.5 or later, or Chrome
- **Apple Users**
 - Mac OS X 10.3 or later
 - Safari, Firefox, or Chrome
 - Adobe Flash Player Version 10
 - Adobe Acrobat Reader
 - **Additional software** (for, Windows, Mac OS and all other operating systems, including mobile platforms)

APhA's learning activities are designed with multimedia which is best experienced while using a PC or Mac that is equipped with the hardware and software components described above. Although activities may also be viewed using portable devices, it is not recommended.

The Pharmacist & Patient-Centered Diabetes Care certificate training program was developed by the American Pharmacists Association.

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