
**AMERICAN PHARMACISTS ASSOCIATION'S
THE PHARMACIST & PATIENT-CENTERED DIABETES CARE**

A CERTIFICATE PROGRAM FOR PHARMACISTS

HOSTED BY: WEST VIRGINIA UNIVERSITY SCHOOL OF PHARMACY

JUNE 2, 2018

ROBERT C. BYRD HEALTH SCIENCES CENTER NORTH, ROOM 119B – MORGANTOWN, WV

For more information, please contact:

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Activity Preview



The American Pharmacists Association (APhA) developed **The Pharmacist and Patient-Centered Diabetes Care** Certificate Training Program, an educational experience designed to equip pharmacists with the knowledge, skills, and confidence needed to provide effective, evidence-based diabetes care. The program provides comprehensive instruction in current diabetes concepts and standards of care and 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.

Activity Type: Application and Practice-based

Target Audience: Pharmacists in all practice settings

Learning Level: Level 3



APhA's "The Pharmacist and Patient-Centered Diabetes Care" Certificate Training Program was the recipient of the 2015 Award, **Alliance for Continuing Education in the Health Professions**, 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.

Goals and Learning Objectives

The goal of *The Pharmacist and Patient-Centered Diabetes Care* is to teach the pharmacist how to integrate diabetes education and management into practice. This overriding goal incorporates the goal of pharmaceutical care, which is to ensure that patients make the best use of their medications and achieve the desired therapeutic outcomes. Specific program goals are to:

- Provide comprehensive instruction on current standards of care for patients with diabetes.
- Increase pharmacists' ability to apply pharmacotherapeutic information and serve 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.

Key Learning Objectives of the Live Training Seminar

At the completion of this activity, 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.

Self-Study Learning Objectives

Module 1. Pathogenesis and Diagnosis of Diabetes

At the completion of this activity, participants will be able to:

- Explain important concepts in glucose homeostasis.
- Describe the pathophysiology and clinical manifestations of type 1 diabetes and type 2 diabetes.
- List laboratory test values and ranges that represent important diagnostic criteria or treatment goals for patients with diabetes.

Module 2. Goals of Care and Approaches to Treatment

At the completion of this activity, participants will be able to:

- Describe the evidence base to support treatment goals for patients with diabetes.
- Discuss findings from trials investigating the relationship between A1C and atherosclerotic cardiovascular disease.
- List blood glucose treatment targets for various subgroups of patients with diabetes.
- Describe the role and application of A1C testing and self-monitoring of blood glucose in type 1 and type 2 diabetes.
- Explain strategies for managing hypoglycemia.

Module 3. Lifestyle Modification in Diabetes

At the completion of this activity, participants will be able to:

- 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.

Module 4. Pharmacotherapy of Diabetes

At the completion of this activity, participants will be able to:

- Differentiate among the many oral, injectable, and inhalational agents available for the treatment of diabetes and categorize antidiabetic 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, injectable, and inhalational antidiabetic agents.

Module 5. Comprehensive Diabetes Care

At the completion of this activity, participants will be able to:

- 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.

Module 6. The Pharmacist's Role in Diabetes Self-Management Education and Support

At the completion of this activity, participants will be able to:

- Describe outcomes associated with pharmacists' patient care services for patients who have diabetes.
- List elements of diabetes self-management education.
- Identify barriers to diabetes self-management and propose strategies to address those barriers.
- 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 and establish a formal diabetes self-management education program.

Seminar Learning Objectives

At the completion of this activity, 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.

Seminar Agenda

- 7:00am Check-in and Continental Breakfast
- 7:30am Welcome, Introductions and Acknowledgements
Comprehensive Diabetes Care
Treating Type 2 Diabetes
- 10:00am Break
- 10:15am Insulin Therapy in Type 1 and Type 2 Diabetes
- 12:15pm Lunch and Networking
- 1:00pm Nutrition and Lifestyle Counseling for Patients
Hands-On Skills Practice
- 3:00pm Break
- 3:15pm Next Steps and Resources
- 4:45pm Post-Seminar Final Instructions

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Accreditation Information



The American Pharmacists Association is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. *The Pharmacist and Patient-Centered Diabetes Care* certificate training program is approved for a total of 23.0 contact hours of continuing pharmacy education (CPE) credit (2.3 CEUs). The ACPE Universal Activity Numbers (UAN) for this activity are listed below.

- Successful completion of the self-study component involves passing the self-study assessment with a grade of 70% or higher and will result in 15 contact hours of CPE credit (1.5 CEUs). *ACPE UAN: 0202-9999-18-121-H01-P*
- Successful completion of the live seminar component involves attending the full live seminar, successfully demonstrate competency in the utilization and/or evaluation of these devices, and completing the online assessment and evaluation. Successful completion of this component will result in 8 contact hours of CPE credit (0.8 CEU). *ACPE UAN: 0202-9999-18-122-L01-P*

To obtain 23.0 contact hours of CPE credit (2.3 CEUs) for APhA's *The Pharmacist and Patient-Centered Diabetes Care* certificate training program, the learner must complete all components listed above, and CLAIM credit for each component. Participants will need to have a valid APhA (pharmacist.com) username and password, as well as a

CPE Monitor account to claim credit. After credit has been claimed, please visit [CPE monitor](#) for your transcript. 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.

APhA continuing pharmacy education policy provides you with two opportunities to successfully complete the continuing pharmacy education assessment. Please note that you will not be permitted to submit the assessment a third time. The current policy of the APhA Education Department is not to release the correct answers to any of our CPE tests. This policy is intended to maintain the integrity of the CPE activity and the assessment.

Release Date: January 31, 2018

Expiration Date: January 31, 2021 - PLEASE NOTE: NO Home Study credit granted after this date; Live Credit can only be granted within 60 days from the day of the seminar attended.

Development

The Pharmacist and Patient-Centered Diabetes Care was developed by the American Pharmacists Association. Copyright © 2018 by the American Pharmacists Association.

Faculty

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Clinical Pharmacist, White Hall Pharmacy Diabetes, Immunization, and
MTM Services
Medtronic Minimed Certified Product Trainer
Morgantown, WV

Condit Steil, PharmD, BSPHarm

Professor, Pharmacy Practice
Belmont University College of Pharmacy
Nashville, TN

System Requirements

What Technology Is Required?

These technology requirements and suggestions will allow you a better online learning experience. In order to participate in any APhA online learning activity, participants must have access to a computer with these minimum system requirements:

Hardware Requirements

- 128MB of RAM
- 16-bit video card capable of 1024x768 screen resolution or better
- Speakers or headphones, if accessing content with audio

Software Requirements

Internet Browsers

- IE 9 and greater
- Microsoft Edge 12 and greater
- Firefox 4 and greater*
- Google Chrome*
- Safari 5 and greater

* These browsers automatically update themselves behind the scenes to the most current version.

Operating Systems

- Windows XP
- Windows 7 and 8
- Windows Vista
- Mac OSX
- iOS devices (tablets and phones): Please note iPads do not currently allow Adobe Support to be downloaded onto the device.
- Android devices (tablets and phones)
- Windows 10

Computer and Internet access are required to complete this activity. Please visit our website to view the [Technology System Requirements](#) in order to have a positive learning experience.

Fee and Refund Policy

Program costs are **\$400** for pharmacists and **\$300** for students.

Cancellations received in writing **at least 7** days prior to the program (fax 304-293-2529 or e-mail mpkurilla@hsc.wvu.edu, or vscott@hsc.wvu.edu) **will be charged a \$150 cancellation fee then refunded the remaining registration fee.**

We reserve the right to cancel the program. In the event of a conference cancellation, registrants will be notified by phone and a full registration refund will be made.

Program Costs

Each seminar is limited to a maximum of 60 people. Registration will be taken on a first-come, first-served basis. Participant cost will be \$400 per pharmacist and \$300 per student. This amount includes the cost of self-study and live seminar materials, continuing pharmacy education credit, continental breakfast, lunch, and breaks. Lodging, travel, and dinner expenses will be the responsibility of the participant.

Location, Directions, Parking

Located at the intersection of I-79 and I-68, WVU is approximately 70 miles south of Pittsburgh and 200 miles northwest of Washington DC. It is accessible by the Morgantown Municipal Airport (MGW) or the Pittsburgh International Airport (PIT).

From I-79, take exit 155 (West Virginia University and Star City) and turn towards Morgantown. At the 2nd traffic light, bear slightly to the right onto US 19 South and proceed to the 2nd traffic light (WVU Coliseum - large domed concrete building on the right). Turn left onto Patteson Drive. Just before the 4th traffic light, turn right onto Elmer Prince Drive. Move into the left lane and follow the signs to Health Sciences Center or the Emergency Room (the road will curve into a turnabout and follow the arrows uphill to McQuain Pavilion). Pass the small guard booth and continue into the parking lots (parking is not restricted since this is a weekend event). Enter the Health Sciences Center North through the Family Medicine Entrance. There will be WVU School of Pharmacy signs outside and inside directing you to the program.

Hotel Information

A block of rooms will be held at the Holiday Inn at 1188 Pineview Drive (close to the Health Sciences Center) until **MAY 23, 2018** at the rate of \$99 plus tax. Any rooms reserved after May 23rd will be subjected to hotels best available rate.

To reserve a room, call 304-241-6649 and mention WVU Certificate Training Program and group code "CTP". Or go to [WVU Certificate Training Program](#).

Diabetes Certificate Program Registration Form

June 2, 2018 – Robert C Byrd Health Sciences Center North, Room 119A

Each seminar is limited to a maximum of 60 people. Registrations will be taken on a first-come, first-served basis. Registration is required at least seven days prior to each program.

Preferred registration and payment is online in our continuing education management system at <https://pharmacyce.wvu.edu/user/login> with a Visa, MasterCard, American Express, or Discover Card.

You can fax registration form to 304-293-2529. For registration and payment assistance please contact Michael Kurilla, M.Ed., CE Program Specialist at 304-293-5103 or email mpkurilla@hsc.wvu.edu, or contact Dr. Ginger Scott, Director of Continuing Education, at 304-293-5103 or email vscott@hsc.wvu.edu.

Please print or type: (One form per pharmacist)

First name _____ MI _____ Last name _____
(Please note both given and preferred names if different.)

Home Address _____

City _____ State _____ Zip _____

Place of Employment _____

Work Address _____

City _____ State _____ Zip _____

Home Phone _____ Work Phone _____ Fax Number _____

E-mail _____

Please list any special dietary needs (ex. vegetarian, etc): _____

Program Fee: Please circle:

_____ Pharmacist \$400

_____ Student \$300

****If you would like to become a participating PEIA Pharmacist, please email Michael Kurilla at mpkurilla@hsc.wvu.edu to express your interest.***

Self-study materials will be available online and information to access self-study materials will be emailed to participants no sooner than 30 days prior to program date. If you have not received an email with this information, please contact the WVU School of Pharmacy at 304-293-5103. Cancellations received in writing at least 7 days prior to the program (fax 304-293-2529 or e-mail mpkurilla@hsc.wvu.edu or vscott@hsc.wvu.edu) will be charged a \$150 cancellation fee then refunded the remaining registration fee. We reserve the right to cancel the program. In the event of a conference cancellation, registrants will be notified by phone and a full registration refund will be made.

Questions regarding the program should be directed to the WVU SoP Office of Continuing Education Program at 304-293-5103 or email mpkurilla@hsc.wvu.edu or vscott@hsc.wvu.edu. Visit us on the web at <http://pharmacy.hsc.wvu.edu/CE/Live-Programs>.



West Virginia Public Employers Insurance Agency Face to Face Diabetes Training for Pharmacists

Are you interested in becoming a participating Pharmacist for the PEIA Face to Face Diabetes Program?

If yes, an informational session on the program will be held immediately following APhA's The Pharmacist and Patient-Centered Diabetes Care Certificate Training Program. Information will be provided on how you or your pharmacy can participate in the program to provide care for your patients with diabetes. The session will be approximately one hour in length (4:30 – 5:30 p.m.) and will be provided by the following individuals:

Amber Harper, Face to Face Diabetes Program Manager, WV Public Employees Insurance Agency, Charleston, WV

Felice B. Joseph, R.Ph, Pharmacy Director, WV Public Employees Insurance Agency, Charleston, WV

There is no charge for this session. Please forward this information to Michael Kurilla at 304-293-5103, or by email at mpkurilla@hsc.wvu.edu, or by fax at 304-293-2529.

Name: _____

Please check:

Yes, I am interested in the PEIA Informational Session _____

No, I am NOT interested the PEIA Informational Session _____

If you would like to become a participating Face to Face PEIA Pharmacist and have attended a Diabetes Certificate program or are a CDE, please contact Amber Harper at (304) 558-7850 Ext. 52678.