

# American Pharmacists Association's Pharmacy-Based Immunization Delivery Program

hosted by  
**St. John's University**  
**College of Pharmacy and Health Sciences**

## Fall 2021 SCHEDULE

**Sat., Sep. 25<sup>th</sup> ; Sat., Oct. 23<sup>rd</sup> ;  
Thu., Nov 11<sup>th</sup> ; Wed., Dec. 8<sup>th</sup>**

9 A.M. – 6 P.M.      Tuition - \$395

APhA's Pharmacy-Based Immunization Delivery certificate training program (14th Edition) is based on national educational standards for immunization training from the Centers for Disease Control and Prevention. This practice-based curriculum represents a fusion of science and clinical pharmacy. The program, which emphasizes a health care team approach, seeks to foster the implementation of interventions that will promote disease prevention and public health. The purpose of this certificate training program is to prepare pharmacists with comprehensive knowledge, skills, and resources necessary to provide immunization services to patients across the life span.

Activity Type: Practice-based

Target Audience: Pharmacists in all practice settings

Learning Level: Level 3

### There are three components to the certificate training program:

- 12 hour (1.2 CEU) self-study modules with case studies and assessment exam
- 8.0 hour (0.80 CEU) live seminar with final exam
- Hands-on assessment of intramuscular and subcutaneous injection technique

### Goals and Learning Objectives

Educate pharmacists about:

- The impact of vaccines on public health.
- Pharmacists' roles in immunization.
- Immunologic principles of vaccine development and immunizations.
- Vaccine-preventable diseases and the vaccines used to prevent them.
- Strategies for improving immunization rates.
- Requirements for pharmacists who provide immunization services.

Prepare pharmacists to:

- Read an immunization schedule and identify appropriate vaccines for individuals across the life span and with special needs.
- Educate patients about the benefits of vaccines and dispel myths about vaccines.
- Safely administer vaccines to patients via subcutaneous, intramuscular, intranasal, and intradermal routes.
- Operate an immunization service in compliance with legal and regulatory standards.
- Partner with immunization stakeholders to promote immunizations and the immunization neighborhood.

Direct pharmacists to resources necessary to:

- Promote public health through immunizations.
- Access regularly updated information about vaccines and their use.
- Effectively communicate with patients and other stakeholders about resources.
- Operate an immunization service in compliance with legal and regulatory standards.

This ACPE activity does not provide a certification in this topic but rather advanced professional training which upon successful completion the learner will be able to download a certificate of achievement.

### Self-Study Learning Objectives

The self-study learning activity is designed to ensure that all participants have an understanding of vaccine-preventable diseases and the role of pharmacists as vaccine advocates and administrators. There are five learning modules that present in-depth information on immunology, practice implementation, and legal and regulatory issues as noted below, with appropriate references to the Centers for Disease Control and Prevention (CDC) resource publication, *Epidemiology and Prevention of Vaccine-Preventable Disease*. The self-study program includes a self-assessment test and real-life case studies that are designed to help reinforce and evaluate participants' understanding of key information and concepts.

### **Module 1. Pharmacists, Vaccines, and Public Health**

- At the completion of this activity, participants will be able to:
- Describe the effects of immunizations on morbidity and mortality rates of vaccine-preventable diseases in the United States.
- Discuss Healthy People 2020 goals for vaccination rates in the United States.
- Explain the expansion of the role of pharmacists as vaccine providers and describe the status of pharmacists' authorization to administer vaccines throughout the United States.
- Describe strategies for pharmacists to advocate for pharmacy-based delivery of vaccines.
- Discuss the role of pharmacists as immunizers in emergency preparedness activities.
- Identify resources that are useful for immunization providers and educators.

### **Module 2. Overview of Immunology and Vaccine Development**

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

- Identify the differences between active and passive immunity and describe key elements of each process.
- Explain how vaccines elicit an immune response and provide protection from disease.
- Describe the characteristics of and distinctions among live vaccines, inactivated vaccines, polysaccharide vaccines, and recombinant vaccines.
- Discuss the rationale for timing of vaccine administration and intervals between doses, including vaccine-vaccine spacing and vaccine-antibody spacing.
- Describe principles of herd immunity.

### **Module 3. Vaccine-Preventable Diseases**

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

- Describe the epidemiology, clinical features, and potential complications of diseases that can be prevented with vaccines.
- Identify vaccines available in the U.S. market for each vaccine-preventable disease and describe their features.
- Identify the contraindications and precautions for the use of vaccines available in the United States.
- Use recommendations from the Advisory Committee on Immunization Practices to identify target groups for receipt of each vaccine.

### **Module 4. Patient Care Considerations for Immunizing Pharmacists**

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

- Explain how to apply the pharmacists' patient care process to immunization services.
- Identify patients with immunization needs.
- Given a patient case, select appropriate vaccines using an immunization schedule from the Advisory Committee on Immunization Practices, and identify appropriate timing, doses, and routes of administration.
- Discuss the rationale for timing for vaccine administration and intervals between doses, including vaccine-vaccine spacing and vaccine-antibody spacing.
- Recall recommended patient screening questions for vaccination and identify valid contraindications for vaccinations.
- Educate patients about the benefits of vaccines and address common concerns about vaccines.
- Provide accurate information that addresses common myths about vaccines.
- Describe the roles of the Vaccine Adverse Event Reporting System in managing vaccine safety.
- Educate patients about potential adverse reactions following the receipt of a vaccine and how to manage them.
- Explain appropriate techniques for intramuscular, subcutaneous, intradermal, and intranasal administration of vaccines.
- Describe the signs and symptoms of adverse reactions to vaccines and procedures that pharmacists should follow to manage various adverse reactions.
- Describe appropriate documentation and follow-up after vaccine administration.

### **Module 5. Operating a Pharmacy-Based Immunization Program**

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

- Describe important considerations when deciding which vaccines to offer.
- Describe physical space requirements for a vaccine service.
- Discuss Occupational Safety and Health Administration regulations for the prevention of employee exposure to bloodborne pathogens and needlestick injury at worksites where immunizations are administered.
- Outline principles and procedures for vaccine storage and handling.
- Discuss workflow options for administering vaccines in pharmacy practice.
- Identify marketing strategies that can be used to promote a pharmacy-based immunization service.
- Explain potential options for obtaining reimbursement and compensation for vaccines and vaccine administration.
- Describe liability issues related to vaccine administration, including the Vaccine Injury Compensation Program.

### Live Seminar Learning Objectives

The second component of the APhA's Pharmacy-Based Immunization Delivery certificate training program (14th Edition) is an active learning seminar focusing on pharmacy practice implementation. The live training seminar is based on the experience of practitioners involved in immunization advocacy and administration. The training seminar reinforces and expands on the self-study program and addresses areas such as immunization needs, legal and regulatory issues, and injection-technique training. Participants will be expected to practice giving intramuscular and subcutaneous injections.

After participating in the Live Seminar, the participant will be able to:

- Describe strategies for increasing immunization rates, including physician collaborations, community level activities, and immunization coalition activities
- Describe pharmacy operations and a process for administering vaccines in various pharmacy practice settings
- Evaluate patient histories and make patient-specific recommendations based on the appropriate immunization schedule
- Demonstrate effective strategies for communicating with patients who have concerns about vaccines
- Describe current evidence regarding vaccine safety
- Recognize the signs and symptoms of adverse reactions that can occur after vaccination
- Describe procedures for management of patients with adverse reactions to vaccination that constitute an emergency
- List the steps for administering currently available intranasal and intradermal vaccines
- Demonstrate appropriate intramuscular and subcutaneous injection techniques for adult immunization

All participants are strongly encouraged to obtain CPR or BCLS certification. However, certification is not a prerequisite of the program. A Certificate of Achievement is awarded to participants who successfully complete all program requirements. The Certificate of Achievement is invalid, however, without written proof of current CPR or BCLS certification.

### FACULTY

Emily Ambizas, Pharm.D.

Carmela Avena-Woods, Pharm.D.

Judith Beizer, Pharm.D.

Gladys El-Chaar, Pharm.D.

Joseph Etzel, Pharm.D.

Danielle Ezzo, Pharm.D.

Olga Hilas, Pharm.D.

Samantha Jellinek-Cohen, Pharm.D.

Sum Lam, Pharm.D.

Maria Mantione, Pharm.D.

Michele Pisano, Pharm.D.

### Continuing Pharmacy Education (CPE) Information



The American Pharmacists Association is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education. APhA's Pharmacy-Based Immunization Delivery certificate training program is approved for a total of 20.0 contact hours of continuing pharmacy education (CPE) credit (2.0 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 12 contact hours of CPE credit (1.2 CEUs). ACPE UAN: 0202-9999-20-179-H06-P
- Successful completion of the live seminar component involves attending the full live seminar, successfully completing the injection technique assessment, 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: 0202-9999-20-180-L06-P

To obtain 20.0 contact hours of CPE credit (2.0 CEUs) for APhA's Pharmacy-Based Immunization Delivery 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 (link is external) 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](http://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:** March 30, 2020

**Expiration Date:** March 20, 2023 - 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.

**Completion Information:** A Certificate of Achievement is awarded to participants who successfully complete all activity requirements, which include the self-study component, live training seminar, and the injection technique assessment. Successful completion is defined as a score of 70% or better on both the self-study and live seminar assessments.

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](http://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](http://www.pharmacist.com)

### **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**

- Internet Browsers
  - IE 9 and greater
  - Microsoft Edge 12 and greater
  - Firefox 4 and greater
  - Google Chrome
  - Safari 5 and greater
- Operating Systems
  - Windows XP, 7, 8, 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

Looking for some additional resources? Try visiting APhA's [Pharmacist Immunization Center](#).

**Fall 2021 SCHEDULE:**

**Saturday, September 25<sup>th</sup>**

**Saturday, October 23<sup>rd</sup>**

**Thursday, November 11<sup>th</sup>**

**Wednesday, December 8<sup>th</sup>**

**PROGRAM FEE:**

**SJU Student fee:**  
**\$195**  
(No CE credit awarded)

**Pharmacists:**  
**\$395**

*All dates are delivered as live, face-to-face classes*

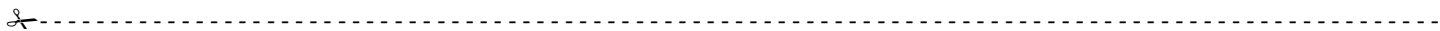
*You will receive a confirmation and log-in information (for the self-study program), by e-mail, once your registration is completed.*

*(please be sure to check your spam file if you do not receive your confirmation in a timely fashion)*

*For registration or information, please contact:*

**FAX: (718) 990-5756**

**e-mail: [pharmacyce@stjohns.edu](mailto:pharmacyce@stjohns.edu)**



**APhA's PHARMACY-BASED IMMUNIZATION DELIVERY PROGRAM**

To register for this program, please complete and return this form no later than 10 days prior to class date to:

**St. John's University College of Pharmacy and Health Sciences,**

**Office of Continuing Professional Education**

**FAX: (718) 990-5756**

**e-mail: [pharmacyce@stjohns.edu](mailto:pharmacyce@stjohns.edu)**

Program registration is limited in number.

OFFICIAL USE ONLY  
Self-Study info. sent:

\_\_\_\_\_

\_\_\_\_\_  
Name – Please Print or Type X#: \_\_\_\_\_  
(if available)

\_\_\_\_\_  
Mailing Address City State Zip

\_\_\_\_\_  
Telephone Number Email Address

Current Position:  Pharmacist  Preceptor (site : \_\_\_\_\_)  Student

Tuition: Pharmacist \_\_\_\$395 SJU Preceptor \_\_\_\$195 SJU Student \_\_\_\$195

Please check one:

- Sept. 25<sup>th</sup>
- Oct. 23<sup>rd</sup>
- Nov. 11<sup>th</sup>
- Dec. 8<sup>th</sup>

**FAX: (718) 990-5756**

**e-mail: [pharmacyce@stjohns.edu](mailto:pharmacyce@stjohns.edu)**

**Registration is by fax or e-mail only.**

**Payment is accepted only by credit card. Once your registration is received and processed, you will receive an e-mail with the self-study information and instructions on how payment is to be made.**

**Your payment must be processed no later than 5 (five) business days before the class to confirm your registration.**

Full refunds must be requested in writing and received no later than 1 week prior to the date of class. Refund requests made less than one week prior to class will only be 50%. There are no refunds after the live class has met or for non-attendance at the live program. Please be advised, once you have redeemed your enrollment code on APhA's training program site, if you withdraw from the class prior to the live program, a \$150 fee will be deducted from any refund requested.