

ANNEX A

PPhA – Immunizing Pharmacist Certification Program

COURSE OUTLINE

Vaccination Principles					
Module			Course Title		No. of Hours
Level 1 (Basic)	Theory (Modular - Self Paced)	General Principles on Vaccination & PBIP (PPhA)	Module 1	Pharmacist, Vaccines and Public Health	16
			Module 2	Overview of Immunology and Vaccine Development	
			Module 3	Vaccine Preventable Diseases	
			Module 4	The Immunizing Pharmacist and the Patient	
			Module 5	Storage and Handling of Vaccines	
			Module 6	Preparing to Operate a Pharmacy-Based Immunization Program	
			Module 7	Blood-borne pathogens and needle stick injury	
					Post-Test
				Pre-Test for DOH Modules	
Level 2 (COVID-19)	Theory (Modular - Facilitated Learning)	DOH COVID- 19 Vaccination Deployment	Module 1	Microplanning	16
			Module 2	Profiling and Data Management	
			Module 3	Supply and Cold Chain Management	
			Module 4	Risk Communication and Community Engagement	
			Module 5	Addressing the Psychological Barriers to Vaccination	
			Module 6	Covid-19 Vaccine Administration	
			Module 7	Managing AEFI following Covid-19 Vaccination	
			Module 8	Immunization Waste Management	
				Post-Test for DOH Modules	Pass or Fail
PPhA - DOH Certificate of Training on Covid-19 Vaccination - Qualified to be a Cold-Chain Pharmacist, AEFI Pharmacist					
Clinical Practicum					
Level 3	Basic Skills	PPhA Virtual / F2F (100 pax)		Demonstration and Return-Demonstration of Injection Preparation and Administration Techniques	6 hour online synchronous / 2 hours FTF by appointment with PPhA Regional Assessor
				Pre-Clinical Training Skills Assessment (Basic) - PPhA Regional Assessors	
Level 4	Supervised Skills Deve- lopment	Clinical Training		Assist and Supervised Administration of Adult Vaccines to patients through IM and SQ	8
				Vaccination Skills Assessment (Final) - Licensed Physician or PRC Certified Immunizing Pharmacists	Flexibility on who will be their patients

- Program Requirement:
1. Proof of Hepatitis B vaccination or acceptable titer value

2. Valid Basic Life Support (BLS) Certificate

**PPhA – Immunizing Pharmacist Certification Program**

**INSTRUCTIONAL DESIGN**

**LEVEL 1. General Principles on Vaccination & Immunizing Pharmacist Certification Program (PPhA)**  
*(Self-Paced Learning Modules)*

**Title of the Module:** **Module 1. Pharmacists, Vaccines and Public Health**

**Description of the Module:** This module provides the pharmacist with the rationale for participating in immunization advocacy through the establishment or participation in pharmacy-based or collaborative immunization programs. The Philippine Health Situation is briefly explained and the benefits of immunization to public health is emphasized.

- General Objectives:**
1. Describe the Philippine health situation and public health issues.
  2. Explain the importance of immunization to public health.
  3. Discuss the role of the pharmacist in preventive health through immunization advocacy.

Learning Outcomes per Topic	Topics to Be Discussed	Time Allotment	Teaching Methods	Evaluation
After finishing the module, the pharmacist will be able to:  1. Describe the current health situation in the Philippines	<b>A Look at the Health Situation in the Philippines</b> <ul style="list-style-type: none"><li>• Health indicators</li><li>• Factors contributing to infectious diseases in the Philippines</li></ul>	30 minutes	Online reading module for self-paced learning	At the end of this module, there will be online review questions (3 items, not graded)
2. Explain the importance of immunization, its evidence-based benefits, and impact to public health.	<b>Immunization Program Benefits and Impact on Public Health</b>  <b>Main Targets of Immunization Programs</b> <ul style="list-style-type: none"><li>• Disease eradication</li><li>• Disease elimination</li></ul> <b>Misconceptions and the Rise of the Anti-Vaccination Movement</b>			
3. Discuss how pharmacists can contribute to preventive health through participation in immunization advocacy.	<b>Pharmacists in Immunization Programs</b>  <b>Considerations in Establishing a Pharmacy-Based Immunization Service</b> <ul style="list-style-type: none"><li>• Education and training</li><li>• Legislative framework</li><li>• Existing immunization programs in the Philippines</li><li>• Economic factors and sustainability</li></ul> <b>Resource for Filipino Pharmacists</b>			

**Title of the Module:** **Module 2. Overview of Immunology and Vaccine Development**

**Description of the Module:** This module provides the pharmacist with a basic understanding of the immune system and how it works, immunobiologicals and their uses, vaccine development and their mechanism of action, and the concept of herd immunity.

- General Objectives:**
1. Explain the basic principles of immunology.
  2. Discuss how vaccines are developed and how they work to provide protection.
  3. Describe herd immunity.

Learning Outcomes per Topic	Topics to Be Discussed	Time Allotment	Teaching Methods	Evaluation
After finishing the module, the pharmacist will be able to:  1. Explain basic principles of immunology.	<b>Basic Principles of Immunology</b> <ul style="list-style-type: none"><li>• Anatomy and physiology of the immune system</li><li>• Major types of immune responses</li><li>• Types of immunity</li></ul>	Two hours for the whole module	Online reading module for self-paced learning	At the end of this module, there will be online review questions (3 items, not graded)
2. Differentiate immunobiologicals in terms of functions and examples.	<b>Immunobiologicals and their Functions</b> <ul style="list-style-type: none"><li>• For active immunization</li><li>• For passive immunization</li></ul>			
3. Discuss how vaccines work and provide protection against diseases.	<b>Mechanism of Action of Vaccines</b>			
4. Discuss how vaccines are developed or formulated.	<b>Product Development of Vaccines</b> <ul style="list-style-type: none"><li>• Formulation/components</li></ul>			
5. Describe the principles and applications of herd immunity	<b>Rationale for Administration of Vaccines</b>  <b>Principles and Application of Herd Immunity</b>			

**Title of the Module:**
**Module 3. Vaccine-Preventable Diseases**

**Description of the Module:**

This module provides the pharmacist with basic information regarding vaccine-preventable diseases that are a concern for Filipino adults, their recommended vaccines, doses, schedules, as well as precautions, contraindications, and possible adverse reactions to these vaccines.

**General Objectives:**

- Describe the epidemiology, clinical features, and potential complications of the indicated vaccine-preventable disease.
- Identify pharmacy patients who will benefit from vaccines using the recommendations from professional society guidelines.
- List the vaccines for each vaccine-preventable disease that are available in the Philippine market, the precautions and contraindications for its use, as well as potential adverse reactions after vaccine administration.

Learning Outcomes per Topic	Topics to Be Discussed	Time Allotment	Teaching Methods	Evaluation
<p>After finishing the module, the pharmacist will be able to:</p> <ol style="list-style-type: none"> <li>Describe the epidemiology, clinical features, and potential complications of certain vaccine-preventable diseases.</li> <li>Identify vaccines available in the Philippine market, describe their features and also identify precautions and contraindications related to their use.</li> <li>Use recommendations from professional society guidelines to identify target groups for receipt of each vaccine, particularly influenza and pneumococcal vaccines.</li> <li>Counsel patients regarding the benefits of vaccination and possible adverse reactions associated with the vaccines.</li> </ol>	<p>The topics are arranged per vaccine-preventable disease and include the following:</p> <ul style="list-style-type: none"> <li>Etiologic agent</li> <li>Mode of transmission</li> <li>Risk factors</li> <li>Spectrum of clinical illness</li> <li>Global and national disease distribution</li> <li>Vaccines <ul style="list-style-type: none"> <li>List of vaccines</li> <li>Contraindications and precautions</li> <li>Potential adverse reactions after vaccination</li> </ul> </li> </ul> <p><b>Influenza</b></p> <ul style="list-style-type: none"> <li>All the above topics</li> <li>Antigenic changes</li> <li>Pandemics</li> </ul> <p><b>Pneumococcal Disease</b></p> <p><b>Tetanus, Diphtheria, Pertussis</b></p> <p><b>Measles, Mumps, Rubella</b></p> <p><b>Varicella</b></p> <p><b>Herpes Zoster</b></p> <p><b>Hepatitis A</b></p> <p><b>Hepatitis B</b></p> <p><b>Human Papilloma Virus Infections</b></p> <ul style="list-style-type: none"> <li>All the above topics</li> <li>HPV-associated cancers</li> </ul> <p><b>Invasive Meningococcal Disease</b></p> <p><b>Typhoid Fever</b></p> <p><b>Rabies</b></p> <ul style="list-style-type: none"> <li>All the above topics</li> <li>Post-exposure treatment</li> </ul>	Two hours for the whole module	Online reading module for self-paced learning	At the end of this module, there will be online review questions (3 items, not graded)

**Title of the Module:**
**Module 4. The Immunizing Pharmacist and the Patient**

**Description of the Module:**

This module provides the pharmacist with an understanding of their role in immunization service delivery in the pharmacy, including patient care – from assessment of vaccination needs, patient screening, vaccine administration, counseling post vaccination, until monitoring, management and reporting of AEFI.

**General Objectives:**

1. Assess patient immunization needs and recommend appropriate vaccines.
4. Address patient concerns about vaccines and vaccination.
5. Describe possible adverse reactions to vaccines, how to minimize and address these.
6. Explain the different techniques on vaccine administration.

Learning Outcomes per Topic	Topics to Be Discussed	Time Allotment	Teaching Methods	Evaluation
<p>After finishing the module, the pharmacist will be able to:</p> <p>1. Evaluate patient vaccination needs based on age, health condition, occupation and previous vaccines received.</p>	Assessment of Patient Vaccination Needs	Three and a half hours for the whole module	Online reading module for self-paced learning; includes case discussions and other self-paced activities	At the end of this module, there will be online review questions (3 items, not graded)
2. Explain the recommended immunization schedule for pediatric and adult vaccination, and recommend appropriate vaccines given the recommended schedule.	Vaccination Schedule		Case Discussion – Patient Assessment	
3. Discuss the rationale for timing and administration of vaccines.	Timing of Vaccine Administration <ul style="list-style-type: none"> <li>• Antibody-vaccine interaction</li> <li>• Vaccine-vaccine interaction</li> </ul>		Case Discussion – <ol style="list-style-type: none"> <li>1. Vaccine-vaccine interaction</li> <li>2. Timing of vaccina administration</li> </ol>	
4. Develop screening questionnaire and screen patients for contraindications and precautions to the requested vaccines.	Screening Patients Prior to Vaccine Administration <ul style="list-style-type: none"> <li>• Permanent contraindications to vaccines</li> <li>• Temporary precautions to vaccines</li> <li>• Temporary precautions to receiving live vaccines</li> <li>• Other concerns that may come up during patient screening</li> <li>• Screening for precautions and contraindications</li> </ul>		Activity 1. Develop a screening questionnaire to be used in the pharmacy  Demonstrate patient screening during the live session.	
5. Identify potential adverse reactions after administration of a vaccine	Potential Adverse Reactions to Vaccines <ul style="list-style-type: none"> <li>• Managing vaccine reactions in</li> </ul>		Activity 2. Develop an emergency	

based on signs and symptoms and know how to manage these reactions.	Adults <ul style="list-style-type: none"><li>Required document: Medical management of vaccine reactions in adults</li></ul>		medical protocol for the pharmacy.	
6. Document and report adverse events following immunization.	<ul style="list-style-type: none"><li>Reporting of vaccine adverse events</li></ul>		Case Discussion – Adverse Reactions to Vaccines	
7. Educate patients regarding the benefits of vaccines and address concerns regarding safety of vaccines.	Vaccine Safety Concerns		Case Discussion – Vaccine Safety Concerns	
8. Address common myths by providing patients with accurate information regarding vaccines.	<ul style="list-style-type: none"><li>Other Myths About Vaccines</li></ul>			
9. Explain the appropriate techniques for the different routes of vaccine administration.	Administration of Vaccines <ul style="list-style-type: none"><li>Staff training and education</li><li>Patient care prior to, during, and after vaccine administration</li><li>Infection Control</li><li>Preparation of the Vaccine</li></ul> How vaccines are administered Documentation		Case Discussion – Patient Care by the Immunizing Pharmacist	

Title of the Module:

Module 5. Storage and handling of Vaccines

Description of the Module:

This module will provide the pharmacist with information about proper storage and handling of vaccines, the importance of cold chain maintenance and what to do in case of a breach, how to transport vaccines for offsite immunization, and procedures for vaccine preparation and disposal.

General Objectives:

1. Define cold chain and discuss its importance when handling vaccines.
2. Store vaccines properly in the pharmacy following the manufacturer’s recommendations.
3. Develop vaccine management protocol for the pharmacy.
4. Demonstrate proper procedures for receiving, unpacking, storing, and transporting vaccines.
5. Demonstrate proper procedures for vaccine preparation and disposal.

Learning Outcomes per Topic	Topics to Be Discussed	Time Allotment	Teaching Methods	Evaluation
<p>After finishing the module, the pharmacist will be able to:</p> <p>1. Discuss the cold chain process and its importance in preserving vaccine quality.</p>	<p>Vaccine Storage and Handling</p> <ul style="list-style-type: none"> <li>• Vaccines and the cold chain</li> <li>• Cold chain maintenance</li> <li>• Effective vaccine storage management</li> <li>• Cold chain management requirements in the Philippines</li> </ul> <p>Elements for the cold chain to be effective</p> <ul style="list-style-type: none"> <li>• Staff training and education</li> <li>• Vaccine coordinator</li> </ul> <p>Reliable Vaccine Storage Equipment</p> <p>Temperature Monitoring Equipment</p>	Three hours for the whole module	Online reading module for self-paced learning	At the end of this module, there will be online review questions (3 items, not graded)
2. Develop a vaccine management protocol to be used in the pharmacy.	<p>Effective Vaccine Storage Management</p> <ul style="list-style-type: none"> <li>• Vaccine management protocol</li> <li>• Outreach immunization sessions</li> <li>• Caring for vaccines during immunization sessions</li> </ul>			
3. Develop procedures to be used in the pharmacy in cases of power failure.	<ul style="list-style-type: none"> <li>• Management of power failure</li> </ul>			
4. Demonstrate proper procedures regarding receiving, unpacking, and storing of vaccine deliveries.	<p>Vaccine Inventory Management</p> <p>Vaccine Deliveries</p>			



5. Explain and demonstrate what to do in cases of cold chain breach.				
6. Demonstrate proper procedures for transporting vaccines for off-site immunization services.	Vaccine Transport			
7. Demonstrate proper procedures regarding vaccine preparation and vaccine disposal.	Vaccine Preparation Vaccine Disposal			

**Title of the Module:** **Module 6. Preparing to Operate a Pharmacy-Based Immunization Service Delivery**

**Description of the Module:** This module will provide the pharmacist with information on the why and how of initiating a pharmacy-based immunization service delivery including the technical and regulatory requirements relevant to the provision of the service, pharmacy workflow options, and marketing strategies to promote immunization services in the pharmacy.

- General Objectives:**
- 1. Describe how to implement a Pharmacy-based immunization service delivery.
  - 2. List the technical and regulatory requirements relevant to the provision of immunization in the pharmacy.
  - 3. List the different workflow options for implementing a Pharmacy-based immunization service delivery.
  - 4. Use marketing strategies to promote immunization services in the pharmacy.

Learning Outcomes per Topic	Topics to Be Discussed	Time Allotment	Teaching Methods	Evaluation
After finishing the module, the pharmacist will be able to:  1. Describe important considerations when deciding to start pharmacy-based vaccination services.	Engagement of Filipino Pharmacists in Pharmacy-Based Vaccination Service	One and a half hours for the whole module	Online reading module for self-paced learning	At the end of this module, there will be online review questions (3 items, not graded)
2. Discuss the different regulatory and technical requirements for a vaccination service.	Regulatory and Technical Requirements <ul style="list-style-type: none"><li>• Pharmacy</li><li>• Immunizing health professional</li></ul> Record Keeping and Documentation  Occupational Hazards of Vaccination Services and Appropriate Interventions  Strategies for Pharmacy-Based Immunization Service Delivery.			
3. Differentiate workflow options for implementing Pharmacy-Based Immunization Service delivery.	Workflow Models for Immunization Services			
4. Prevent and manage adverse events and emergencies.	Prevention and Management of Adverse Events and Emergencies			

5. Use marketing strategies for promoting pharmacy-based immunization service delivery to the public.	Marketing Strategies to Promote Immunization Services			
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**Title of the Module:**
**Module 7. Bloodborne Pathogens and Needlestick Injury**

**Description of the Module:**

This module will provide the pharmacist with an understanding of what bloodborne pathogens and needlestick injuries are, why they are relevant to the immunizing pharmacist, how to minimize exposure and occurrence, what to do in case of exposure, and documenting the incident.

**General Objectives:**

1. Define bloodborne pathogens.
2. Define needlestick injury.
3. Describe how exposure occurs and how to control it.
4. Demonstrate proper handling and disposal of sharps to minimize needlestick injury.
5. Develop an exposure control plan for the pharmacy.

Learning Outcomes per Topic	Topics to Be Discussed	Time Allotment	Teaching Methods	Evaluation
After finishing the module, the pharmacist will be able to:	Bloodborne Pathogen Standard	Three hours for the whole module	Online reading module for self-paced learning	At the end of this module, there will be online review questions (3 items, not graded)
1. Define bloodborne pathogens and discuss why this is a concern for immunizing pharmacists.				
2. Identify bloodborne pathogens of primary concern and discuss what to do in case of exposure.	Bloodborne Pathogens <ul style="list-style-type: none"> <li>Hepatitis B</li> <li>Hepatitis C</li> <li>HIV</li> </ul>			
3. Define needlestick injury and list ways to prevent it. 4. Demonstrate proper sharps disposal. 5. Describe what to do in case of needlestick injury.	Needlestick Prevention <ul style="list-style-type: none"> <li>What to do in case of needlestick injury</li> </ul> Post exposure follow-up			
6. Develop a sharps injury log for the pharmacy.	<ul style="list-style-type: none"> <li>Sharps Injury Log</li> </ul>			
7. Define universal precaution and explain how bloodborne pathogens enter the body.	Universal Precaution How Exposure Occurs			
8. Define exposure control plan. 9. Demonstrate proper handwashing. 10. Demonstrate proper donning and doffing of gloves. 11. Demonstrate one-handed needle-scoop technique. 12. Develop an exposure control plan for the pharmacy.	Exposure Control Plan <ul style="list-style-type: none"> <li>Exposure controls</li> <li>Engineering controls</li> </ul> Work practice controls			

### **Level 1 Assessment:**

This is a post-test or comprehensive exam composed of a 70-item multiple choice questions. The pharmacist trainee would need a score of 75% to pass the post-test. Should the trainee fail on the first take, he or she is given another chance to take the post-test on the same sitting.

A PPhA Certificate of Completion for Level 1 will be issued to the trainee, and this will allow the trainee to proceed to Level 2.

## LEVEL 2. DOH COVID-19 Vaccination Deployment

(DOH Facilitated Learning Modules for COVID-19 Vaccination Training)

(Source: DOH COVID-19 Immunization Training Design)

**Description of the Program:**

This training course is developed to give guidance to health workers and partner implementing agencies on the efficient nationwide implementation of the COVID-19 Immunization Program. Content experts on COVID-19, vaccination, human resource training, data management, logistics, health communication and counseling, surveillance and waste management were consulted for development of this training course. This training course encompasses the whole spectrum of the delivery of services from pre- to post-implementation.

This training course shall update the skills and knowledge of our program coordinators and implementers, surveillance teams, community health educators and workers and partner agencies on vaccination in consideration to dealing with a communicable/ infectious disease and managing and administration of a new vaccine.

**Course Objectives:**

The training aims to:

1. Discuss the basic principles about COVID-19 Immunization Program and COVID-19 vaccine
2. Identify the knowledge and skills needed for the implementation of the COVID-9 Immunization Program.
3. Capacitate the trainers on blended teaching and learning modalities.
4. Develop a plan on the nationwide capacity building on COVID-19 immunization.

Learning Outcomes	Content	Time Allotment	Teaching Methods	Evaluation
<p><i>After the learning sessions, the participant should be able to:</i></p> <ol style="list-style-type: none"> <li>1. Understand and explain information about the COVID-19 Immunization Program</li> <li>2. Discuss the COVID-19 Immunization Program</li> <li>3. Demonstrate the proper vaccination practices</li> <li>4. Identify the requirements for the implementation of the COVID-19 Immunization Program</li> </ol>	<p>Module 1 – Microplanning</p> <p>Module 2 – Profiling and Data Management</p> <p>Module 3 – Supply and Cold Chain Management</p> <p>Module 4 – Risk Communication and Community Engagement</p> <p>Module 5 – Addressing the Psychological Barriers to Vaccination</p> <p>Module 6 – COVID-19 Vaccine Administration</p> <p>Module 7 – Managing Adverse Events Following COVID-19 Vaccination (AEFI)</p>	<p>This is a 2-day facilitated learning session</p>	<p>Different teaching strategies will be employed.</p> <ul style="list-style-type: none"> <li>• Virtual lecture presentations</li> <li>• Discussion</li> <li>• Question and answer session</li> <li>• Self-directed learning via DOH Academy E-Learning Platform</li> </ul>	<p>Pre- and Post-test</p> <ul style="list-style-type: none"> <li>• This is a virtual pre- and post-test administered through Google Forms</li> <li>• Passing rate is 70% , those who fail may retake post test</li> </ul> <p>Post training Supervision</p> <ul style="list-style-type: none"> <li>• Post training supervision and mentoring will be scheduled to monitor activities and issues and concerns of the trained teams.</li> </ul> <p>Training Evaluation</p> <ul style="list-style-type: none"> <li>• Administered virtually via Google</li> </ul>

5. Execute plan on the nationwide capacity building on COVID-19 immunization	Module 8 – Immunization Waste Management			Forms, where link or QR code is posted to access the form
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(Pre-Clinical Training Skills Assessment)

**Description of the Session:** This skills training session will provide the pharmacist with a simulation of the immunization process in the pharmacy. This covers demonstration on proper injection preparation and administration techniques, as well as a discussion and demonstration of the immunization process as it occurs in the pharmacy setting.

The skills assessment part of the session will help determine the preparedness of the pharmacist in injection preparation and administration.

1. Demonstrate proper injection preparation and administration techniques.
2. Administer intramuscular and subcutaneous injection.
3. Provide patient care before, during, and after administration of vaccines.
4. Identify symptoms, manage, report, and document any adverse effects after immunization (AEFI).
5. Evaluate techniques in the immunization process.

Learning Outcomes per Topic	Topics to Be Discussed	Time Allotment	Teaching Methods	Evaluation
<p>After finishing the module, the pharmacist will be able to:</p> <ol style="list-style-type: none"> <li>1. Demonstrate proper patient care before, during and after the immunization process.</li> <li>2. Screen patients prior to vaccine administration.</li> </ol>	Demonstration of screening the patient before vaccine administration.	6 hours discussion for the demonstration of the immunization process in the pharmacy	Virtual Discussion and demonstration	<p>Injection Preparation and Administration Techniques Individual Assessment:</p> <p><i>Demonstration of skills on:</i></p> <ol style="list-style-type: none"> <li>1.Screening the patient</li> <li>2. Injection preparation</li> <li>3.Injection administration</li> <li>4. Documentation of vaccination process</li> </ol>
<ol style="list-style-type: none"> <li>3. Describe the different routes of vaccine administration.</li> </ol>	<p>Preparation and Administration of Vaccines</p> <ul style="list-style-type: none"> <li>• Routes of Administration</li> </ul>			
<ol style="list-style-type: none"> <li>4. Demonstrate proper injection preparation, while always observing aseptic techniques.</li> </ol>	<ul style="list-style-type: none"> <li>• Setting up workspace for vaccine preparation and administration</li> <li>• Injection preparation</li> </ul>		Virtual Discussion and Demonstration	
<ol style="list-style-type: none"> <li>5. Demonstrate how to prepare and disinfect injection site.</li> </ol>	<ul style="list-style-type: none"> <li>• Injection site preparation</li> </ul>	2 hours for	Virtual Discussion and Demonstration	<p><i>And will be evaluated by Pharmacist immunization trainers based on the criteria indicated on the</i></p>

6. Demonstrate proper injection administration, while always observing aseptic techniques.	<ul style="list-style-type: none"><li>Intramuscular (IM) and subcutaneous (SC) injection administration</li></ul>	return demonstration face-to-face with evaluation feedback	Face to face return Demonstration by pairs	<b><i>Injection Preparation and Administration Techniques Assessment Form</i></b>
7. Provide after care instructions to patients after vaccine administration.	After the Shot <ul style="list-style-type: none"><li>After care instructions</li><li>AEFI monitoring</li></ul>		Face to face return Demonstration by pairs	
<p><b>Level 3 Pre-clinical Skills assessment:</b></p> <p>Pharmacist trainee works with a partner and demonstrates the immunization process from patient screening to injection preparation and administration of one (1) IM injection and one (1) subcutaneous injection to a partner using the appropriate syringe size, needle length and needle gauge and injection site. The product to be administered is sterile normal saline.</p> <p>Pharmacist trainee is given about about 2 hours (by appointment with an assessor – core and regional trainers) to complete the skills assessment following the criteria in the assessment form.</p> <p>This will be followed by a feedback discussion on the techniques observed especially those that need further improvement.</p>				



**LEVEL 4. Supervised Clinical Skills Development**  
(Clinical Training Skills Assessment)

**Title of the Program:** **PPhA Immunizing Pharmacist Certification Program Supervised Clinical Skills Development**

**Description of the Program:** In the supervised clinical skills development, the pharmacist trainee will be under the supervision of an assessor (*either a licensed physician or a PRC-certified pharmacist immunizer*) where he or she will initially observe and assist in various steps in the immunization process, including vaccine preparation and actual vaccine administration to a patient.

The clinical training skills assessment will enhance the pharmacist trainee’s confidence in administering vaccines based on the evaluation and recommendation of the assessor.

**General Objectives:**

- 1. Assist in the vaccination processes.
- 2. Demonstrate proper injection preparation and administration while observing aseptic techniques.
- 3. Administer intramuscular and subcutaneous injections.
- 4. Document the vaccination process in the form provided.

Learning Outcomes per Topic	Topics to Be Discussed	Time Allotment	Teaching Method	Evaluation
After finishing this level, the pharmacist should be able to:  a. Demonstrate proper patient care before, during and after the immunization process.	No discussion	8 hours (depending on the assessor)	Supervised- demonstration of the vaccination process	Assessment of Skills in the Vaccination Process as supervised by assessing clinician, or certified pharmacist immunizer:  <i>1.Screening the patient 2. Injection preparation 3.Injection administration 4. Documentation of vaccination process</i>
b. Demonstrate proper preparation and administration of vaccines as supervised by a licensed physician or certified immunizing pharmacist	No discussion			

**Level 4 Clinical Skills assessment:**

The pharmacist trainee will perform assisting roles in the vaccination process under the supervision of an assessor (i.e. licensed physician or certified immunizing pharmacist). They can initially observe, assist, and eventually administer the vaccine to individual patients.

The pharmacist trainee will be evaluated by the supervising assessor based on the criteria provided on the PPhA-IPCP Injection Preparation and Administration Techniques Assessment Form.

The assessor will indicate whether the pharmacist trainee is ready and has sufficient confidence and skill to administer vaccines or would recommend the need for further training. The assessment form is signed by the assessor to signify that the injection preparation and administration were satisfactorily done under his or her supervision.