



FIP DIGITAL PROGRAMME

**TRANSFORMING
VACCINATION**

GLOBALLY & REGIONALLY

FIP Transforming Vaccination Globally & Regionally

Series 1 Identifying transformation needs

1.7 Enabling our workforce: Supporting ongoing competence



Announcements



This webinar is being recorded and live-streamed via Facebook



The recording will be freely available on our website www.fip.org



You may ask questions using the question box provided



You are welcome to provide feedback to webinars@fip.org



Become a member of FIP at www.fip.org/membership_registration

Moderators



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Ralph J. Altieri

Chair of FIP Education (FIPed)
Dean- University of Colorado Skaggs School of
Pharmacy and Pharmaceutical Sciences



Ian Bates

Chair of pharmacy education- UCL
Director of the FIP Workforce Development



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Welcome to the “Transforming Vaccination Regionally & Globally” Programme

Transforming Vaccination Regionally and Globally is the first FIP Transformation outcome-based online programme of its kind underpinned by the FIP Development Goals (FIP DGs).

Final outcome of the programme is a historic global FIP Commitment to Action on Vaccination in Pharmacy.

A FIP Transforming Vaccination Collection (2021)

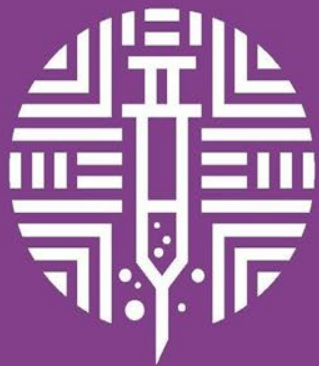


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ROADMAP
SEPTEMBER
TO DECEMBER
2020

SERIES #1

Identifying transformation needs

The needs of the pharmaceutical science, practice and workforce of vaccination

SERIES #2

Setting transformative goals

Deconstructing vaccination in pharmacy through the FIP Development Goals (FIP DGs) across the entire profession

SERIES #3

Committing to transformation

Delivering a global commitment to action on vaccination

#1

SEPT / OCT

Main outcome

Identification of needs & considerations for transforming vaccination globally across practice, science and workforce & education.

#2

OCT / NOV

Main outcome

Discussing mechanisms and drivers to progress the most relevant FIP Development Goals (FIP DGs) in the context of transforming vaccination in pharmacy.

#3

DEC

Main outcome

Delivering a global FIP Commitment to Action on Vaccination in Pharmacy.

Important Links & Resources

Transforming Vaccination Regionally & Globally Webpage
transformingvaccination.fip.org

Engage with us and help us answer the following questions:

1. What single factor should be prioritized to transform pharmacy vaccination services globally and regionally?
2. What would be the most important achievement in terms of pharmacy vaccination services in your country in the next five years?
3. What else should the FIP Commitment to action outline?



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Today's Learning Objective

To define and quantify changes to existing workforce development strategies to ensure that existing pharmacists are ready to deliver vaccinations



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Speaker 1



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Omotayo Carolyn Olaoye

Pharmacist - Superpharma Stores, West Africa.
Member, Professional Development Team, FIP Young
Pharmacists Group.



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What professional development and CPD are available for vaccination with regard to advice for patients and pharmacist administering vaccinations?

- **Professional development or CPD where pharmacists are not licensed to administer vaccines.**
Independent trainings by NGOs undertaken by pharmacists.
Examples: Nigeria (Live Well Initiative – APhA Certificate Training Program on Pharmacy-Based Immunization Delivery).
 - **Professional development or CPD where pharmacists are licensed to administer vaccines.**
Trainings approved by competent authorities with refresher requirements or recommendations.
Examples: Australia, Ireland, Portugal, Switzerland, United Kingdom, United States.
- Trainings approved by competent authorities with no refresher requirements or recommendations. Examples: South Africa, Argentina.



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What CPD requirements and training courses do you have for your pharmacy workforce to meet their vaccination education needs?

Country	CPD Requirement or Training Course
Nigeria and Ghana	No specific training resources or CPD requirement approved for pharmacists. Pharmacists and organisations in Nigeria embark on individual development in order to meet vaccination needs, especially in community pharmacies.
South Africa	Post-registration practical training and exposure to the current EPI, resources on National Department of Health's website.
United Kingdom	Face-to-face practical training courses and self-assessment.
Australia	Practice guidelines for pharmacists' immunization services. First aid, CPR and anaphylaxis certificates.
Ireland	Training requirements set based on previous vaccination experience.



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Important vaccination programs in Nigeria and Africa – The National Immunization Program in Nigeria.



Vaccine	Number of Doses	Disease Prevention
BCG Vaccine	1	Tuberculosis
Oral Polio Vaccine	4	Poliomyelitis
Pentavalent Vaccine	3	Diphtheria, Tetanus, Pertussis, Hepatitis B and Hemophilus Influenza Type B
Hepatitis B	1	Hepatitis B
Measles	1	Measles
Yellow Fever	1	Yellow fever
Vitamin A	2	Sight Improvement
Inactivated Polio Vaccine	1	Poliomyelitis
Pneumococcal Conjugate Vaccine	3	Pneumonia
Rotavirus Vaccine	2	Diarrhoeal diseases



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Young pharmacists current and potential contributions to meeting workforce and education needs.

- **Advocacy** for the integration immunisation training into pharmacy schools' university curriculum and the expansion of pharmacists roles in vaccination through:
 - Opinion papers
 - Public health campaigns
- **Research**
 - Generation of evidence based data on the pharmacy workforce capacity to influence policymaking.
- **Effective leadership**
 - Effective representation of the pharmacy profession in vital decision making processes at national and international levels.



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Speaker 2



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Mitch Rothholz

Chief of Governance & State Affiliates / Executive Director,
APhA Foundation
American Pharmacists Association



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‘Enabling our workforce: Supporting ongoing competence’ Perspective from the US

Mitchel C. Rothholz, RPh, MBA

Chief of Governance & State Affiliates / Executive Director, APhA Foundation

American Pharmacists Association



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Pharmacist Training – Guiding approach



- Certificate Training Program: developed in 1996, continuously updated
- As of December 2019 trained more than 360,000 pharmacists
- Across the lifespan
- Recognized pharmacist roles: educator, facilitator, administer of vaccines (1996 APhA HOD)
- Guided by recognized standards, guidance and recommendations
- Supports pharmacist role on immunization team (2012: immunization neighborhood)
- National faculty, Train-the-trainer model – **Licensing opportunities**
- Engrain importance of immunizations early in student pharmacist career – Carries into practice
- Lifelong commitment - Not just a training program
- Organization strategic commitment

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Pharmacy-based Immunization Certificate Training

- **Three components to the certificate training program:** (www.pharmacist.com/education)
 - 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
 - CPR/BCLS certification, as well as OSHA training expected
 - Program updated as recommendations change; faculty expected to subscribe to APhA resources and



Self Study	Live Program
<p>Module 1. Pharmacists, Vaccines, and Public Health</p> <p>Module 2. Overview of Immunology and Vaccine Development</p> <p>Module 3. Vaccine-Preventable Diseases</p> <p>Module 4. Patient Care Considerations for Immunizing Pharmacists</p> <p>Module 5. Operating a Pharmacy-Based Immunization Program</p>	<p>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 on each other.</p>

Program available for licensing by international partners

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Accreditation Council for Pharmacy Education (ACPE) –Standards

Public Health



- Exploration of population health management strategies, national and community-based public health programs, and **implementation of activities that advance public health and wellness**, as well as provide an avenue through which students **earn certificates in immunization delivery** and other public health-focused skills.

EXAMPLE Performance competencies:

- Participate in activities that promote health and wellness and the use of preventive care measures
- **Promote to patients the importance of health, wellness, disease prevention (e.g., immunizations, tobacco cessation), and management of their diseases and medication therapies to optimize outcomes**
- **Provide preventative health services (e.g., immunizations, tobacco cessation counseling)**
- Public Health: Promote to patients the importance of health, wellness, disease prevention, and management of their diseases and medication therapies to optimize outcomes

Clinical Application of Public Health Policy:

Discuss the pharmacist's role in education and intervention in public health initiatives applicable to pharmacy practice

Collect, interpret, and make recommendations based on the results of health and wellness screenings and diagnostic tests

Describe the role of a pharmacist in emergency management

Immunization:

- **Be trained to administer immunizations (preferably early in curriculum to allow for practice and utilization during the professional program)**
- **Describe the Vaccine Information Statement (VIS), the Vaccine Adverse Events Reporting System (VAERS), and state vaccine registries**

Removal of barriers to authority – to increase access during emergency

WHY? *Pharmacists demonstrated difference they make with existing authority and are accessible providers*



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- ✓ **HHS Third Amendment under Prep Act Authorizes Pharmacists to Order and Administer Vaccines to Children (3-18yo) During Public Health Emergency (Aug 19, 2020) – all recommended vaccines**

BILLING CODE: 450-03

DEPARTMENT OF HEALTH AND HUMAN SERVICES
Office of the Secretary
Third Amendment to Declaration Under the Public Readiness and Emergency Preparedness Act for Medical Countermeasures Against COVID-19

ACTION: Notice of amendment.


SUMMARY: The Secretary issues this amendment pursuant to section 305F-3 of the Public Health Service Act to add additional categories of Qualified Persons and amend the category of Allowed health conditions, to amend for which he announces the administration or use of the Covered Countermeasures.

DATES: This amendment to the Declaration published on March 17, 2020 (50 FR 15198) is effective as of DATE THIS AMENDMENT UPON PUBLICATION INTO THE FEDERAL REGISTER.

FOR FURTHER INFORMATION CONTACT: Robert P. Kadler, MD, MPhD, MS, Assistant Secretary for Preparedness and Response, Office of the Secretary, Department of Health and Human Services, 200 Independence Avenue SW, Washington, DC 20201; Telephone: 202-205-2852.

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- ✓ **HHS Authorizes Pharmacists to Order and Administer, and Pharmacy Interns to Administer COVID-19 vaccine (Sept 9, 2020) – 3 years and older**



DEPARTMENT OF HEALTH AND HUMAN SERVICES

Guidance
Office of the Secretary

Office of the Assistant Secretary for Health
Washington, D.C. 20201

U.S. Department of Health & Human Services
Office of the Assistant Secretary for Health
September 3, 2020

Guidance for Licensed Pharmacists and Pharmacy Interns Regarding COVID-19 Vaccines and Immunity under the PREP Act

On January 31, 2020, the Secretary of Health and Human Services [declared](#) that, effective January 27, 2020, the 2019 novel coronavirus (COVID-19) is a public health emergency for the United States. The United States Department of Health and Human Services (HHS) is the lead agency for the federal government's response to the COVID-19 pandemic.

A key component of that response will be access to a COVID-19 vaccine across the United States. Pharmacists, in partnership with other healthcare providers, are well-positioned to increase access to vaccinations—particularly in certain areas that have too few pediatricians and other primary-care providers, or that are otherwise medically underserved.¹ As of 2018, nearly 90 percent of Americans lived within five miles of a community pharmacy.² Pharmacists often offer extended hours and added convenience. What is more, pharmacists are trusted healthcare professionals with established relationships with their patients. Pharmacists also have strong relationships with local medical providers and hospitals to refer patients as appropriate. For example, pharmacists already play a significant role in annual influenza vaccination. In the early 2018-19 season, they administered the influenza vaccine to nearly a third of all adults who received the vaccine.³ Nearly every State permits pharmacists to order and administer vaccines to both adults and children under certain circumstances. Therefore, as an Authority Having Jurisdiction under the Secretary's March 10, 2020 declaration under the Public Readiness and Emergency Preparedness Act (PREP Act), the Office of the Assistant Secretary for Health (OASH) issues this guidance. Subject to satisfaction of the requirements listed

¹ See, e.g., *Guidance for Pharmacists and Pharmacy Technicians in Community Pharmacies During the COVID-19 Response*, CDC, <https://www.cdc.gov/coronavirus/2019-ncov/hcp/pharmacists.html> (last updated June 28, 2020) (“As a vital part of the healthcare system, pharmacies play an important role in providing medicines, therapeutics, vaccines, and critical health services to the public.”); Kimberly McKinnon & Gregory Sarchet, *Implementing Immunizing Pharmacy Technicians in a Federal Health System*, 7 PHARMACY 1, 7 (2019), <https://www.ndpp.com/2226-4787/7/4/152.htm> (last visited Aug. 5, 2020) [HHS Indian Health Service study demonstrating “the effective implementation of immunization-trained pharmacy technicians and the positive impact utilization of pharmacy support personnel can create” on childhood vaccination rates in medically underserved populations].

² *Get a Key Year Pharmacist*, CDC, <https://www.cdc.gov/features/pharmacist-month/index.html> (last visited July 14, 2020).

³ *Early-Season Flu Vaccination Coverage – United States, November 2018*, CDC, <https://www.cdc.gov/flu/fluavacvax/inf-estimates-nov2018.htm> (last visited July 14, 2020).

U.S. Public Health Service



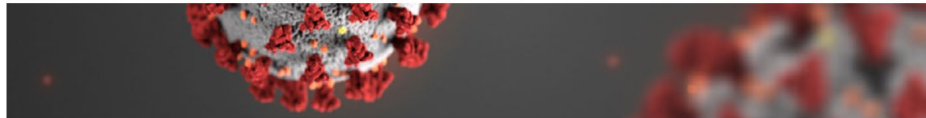
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Pharmacists READY WILLING & ABLE

Pharmacists' Guide to Coronavirus

Information and Resources on COVID-19 for Pharmacists and the Communities They Serve



<https://www.pharmacist.com/coronavirus>

- Weekly webinars, continuing education, practice resources, advocacy, guidance...

COVID-19: Vaccination Basics

A Guide for Pharmacists Vaccinating During the COVID-19 Pandemic

While scientists around the world work to develop a vaccine against the novel coronavirus (SARS-CoV-2), many pharmacists remain on the front line, providing essential patient care services during this public health crisis, including vaccinations. The safety of pharmacists, pharmacy staff, and our patients is top priority. Therefore, prior to administering any vaccinations, it is important for the pharmacist to be familiar with current recommendations and best practices to optimize patient care delivery during the COVID-19 pandemic and to comply with institutional, local, and state policies and/or regulations.

Per CDC guidance, pharmacists should postpone the administration of vaccinations. However, if providing vaccinations, it is important to follow the appropriate infection control procedures and to administer vaccines that can help prevent and/or decrease the severity of secondary infections resulting from [vaccines](#) and [contaminated](#) pathogens. Patients with a high risk of developing these infections are also at a higher risk for complications from COVID-19. This [high-risk](#) population includes adults over the age of 65 years old, as well as younger people with chronic underlying medical conditions, including lung disease, heart disease, and diabetes. Pharmacists play an important role in educating patients about their risk and providing preventive care through appropriate vaccination.

Here are some Frequently Asked Questions about vaccinations.

When will a vaccine be available to the public to protect against COVID-19?

There is currently no vaccine available to prevent infection with SARS-CoV-2, and experts predict it could take about 12 to 18 months until a vaccine is safely available. While no one knows for sure how long the development process will take, Phase I clinical trials are under way at numerous institutions. The first investigational vaccine was administered by a pharmacist on March 16, 2020.

Should I continue to administer vaccines during the COVID-19 pandemic?

The recommended [infection control](#) steps, including the clinical preventive services that require face-to-face encounters, and in areas with community transmission of SARS-CoV-2, should be postponed except when:

- An in-person visit must be scheduled for some other purpose and the clinical preventive service can be delivered during that visit with no additional risk, or
- An individual patient and their clinician believe that there is a compelling need to receive the service, based on an assessment that the potential benefit outweighs the risk of exposure to the virus that causes COVID-19.

For children and teens, the American Academy of Pediatrics (AAP) and CDC also [recommend](#) continuation of childhood vaccinations in accordance with childhood schedules. Whether or not to continue to administer vaccines at a pharmacy is a decision that should be made by the professional judgment of the individual pharmacist and discussed with their employer. This service may need to be restricted or interrupted if it poses a risk to the health care team and/or patient and if appropriate infection control procedures cannot be implemented. For example, patients should be screened for possible symptoms of COVID-19 (e.g., fever, cough, shortness of breath) prior to administration of vaccines.

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Guidance for Pharmacy Technicians in Community Pharmacies during the COVID-19 Response

Summary of Recent Changes

Below are changes to the guidance as of May 19, 2020.

- Provide clinical services according to the [Emergency Use Authorizations](#) for COVID-19 Testing Kits, which includes considerations for delivering non-COVID-19 care by the degree of community transmission and potential for patient harm if care is deferred.

On This Page

- Universal use of face coverings for source control
- Advice for staff
- Filtering respirators
- Strategies to minimize close contact
- COVID-19 testing and other clinical services
- Provide adult vaccinations based on local conditions
- Key Clinical Special Considerations when Co-located in pharmacies

Implement universal use of face coverings

- Individuals without coronavirus symptoms (pharmacists and those who do not actually develop symptoms) can transmit the virus to others before showing symptoms. This means that the virus can spread between people regardless of close proximity—for example, sneezing, coughing, or sneezing—even if those people are not exhibiting symptoms.
- Everyone entering the pharmacy should wear a face covering for source control (i.e., to protect other people in case the person is infected). The purpose of wearing a CDC-recognized device during a visit is to prevent the spread of the virus. The purpose of wearing a face covering is to prevent the spread of the virus. The purpose of wearing a face covering is to prevent the spread of the virus.



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Speaker 3



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Han Zhe

Lecturer - Department of Pharmacy, National University of Singapore



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Singapore: Workforce Enablement – Vaccination Training to Meet the Needs of Our Pharmacy Workforce

HAN Zhe, PharmD, BCPS, BCIDP

Lecturer

Department of Pharmacy

National University of Singapore



Department of Pharmacy
Faculty of Science

CELEBRATING 115 Years OF NUS PHARMACY



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Pharmacist's Role in Vaccination



*Especially in the community
pharmacy sector*

- Overcoming barriers
 - Legislation changes
 - Reduce out of pocket cost for patients
 - Infrastructure
 - Staff training
 - Workflow disruptions due to COVID-19 pandemic



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Vaccination Training for Pharmacists

- Provided by the Department of Pharmacy at the National University of Singapore (NUS)
 - The only institution for pharmacy professional education in Singapore
- NUS Pharmacy is the first licensed partner of American Pharmacists Association (APhA) in Singapore
- Pharmacy-Based Immunization Delivery Training Program since 2019

Pharmacy Based Immunization Training Program. NUS Department of Pharmacy. Available at: <https://pharmacy.nus.edu.sg/newsletter/pharmacy-based-immunization-delivery> [Accessed October 5, 2020]



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Vaccination Training for Pharmacists

- One-time certification training program
 - Part 1: Self-study modules (12 hours)
 - Part 2: Live seminar and injection technique assessment (8 hours)
- Audience: practicing pharmacists
 - Acute-care, community pharmacy, long-term care facilities, academia, pharmaceutical industry
 - Most plan to start pharmacy-based immunization service in the next 12

Pharmacy Based Immunization Training Program. NUS Department of Pharmacy. Available at: <https://pharmacy.nus.edu.sg/newsletter/pharmacy-based-immunization-delivery> [Accessed October 5, 2020]

months



Shaping the Future Workforce: B.Pharm(Hons) Program

Year	Semester 1	Semester 2
1	<ul style="list-style-type: none"> Professional Identity Development I Applied Patient Care Skills I Pharmacy Foundations: Science & Therapeutics I Public Health in Action 	<ul style="list-style-type: none"> Professional Identity Development I Applied Patient Care Skills I Pharmacy Foundations: Science & Therapeutics II Integumentary & Ocular Systems: Science & Therapeutics
2	<ul style="list-style-type: none"> Professional Identity Development II Applied Patient Care Skills II Gastrointestinal System: Science & Therapeutics Cardiovascular System: Science & Therapeutics Medical Sociology 	<ul style="list-style-type: none"> Professional Identity Development II Applied Patient Care Skills II Respiratory System: Science & Therapeutics Hepatic & Renal System: Science & Therapeutics
3	<ul style="list-style-type: none"> Professional Identity & Skills Development Infection: Optimizing Prevention & Treatment Immune & Endocrine: Science & Therapeutics Discovery Project 	<ul style="list-style-type: none"> Professional Identity & Skills Development Central Nervous System: Science & Therapeutics Hematology & Musculoskeletal System: Science & Therapeutics Discovery Project
4	<ul style="list-style-type: none"> Internships 	<ul style="list-style-type: none"> Management of Special Patient Populations Creating the Future of Pharmacy Health & Pharmacy Informatics Discovery Project

Bachelor of Pharmacy. NUS Department of Pharmacy. Available at: <https://pharmacy.nus.edu.sg/study/undergraduate/bachelor-of-pharmacy/> [Accessed October 5, 2020]



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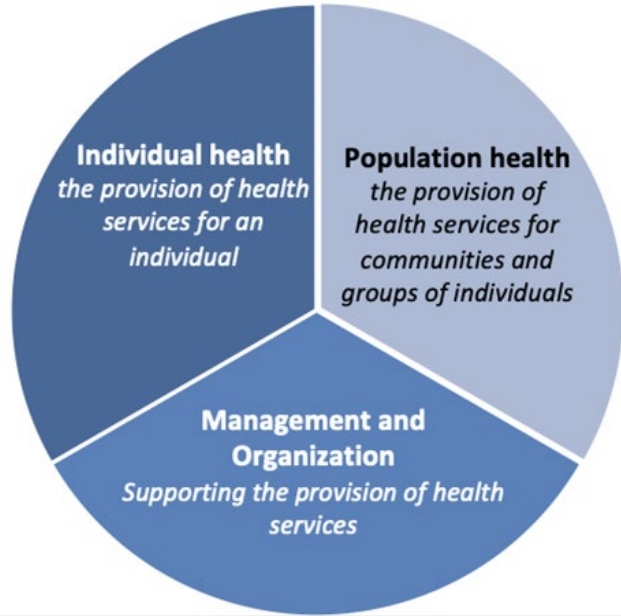


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Filling the gaps in essential services...across professions



Global Competency Framework for Universal Health Coverage:

Addressing population health needs through competency-based education



1 June 2020

Advance copy prior to consultation



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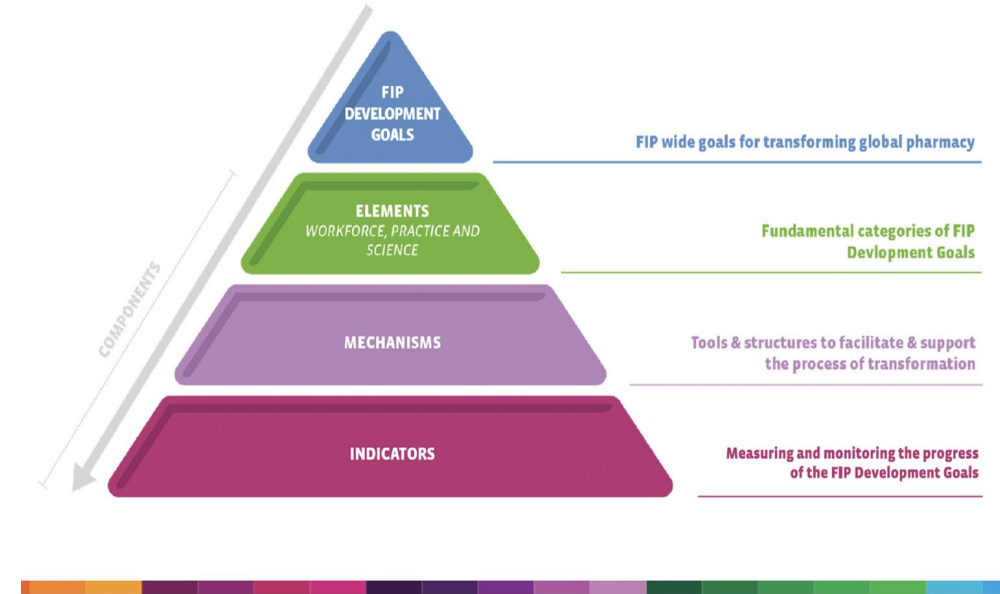
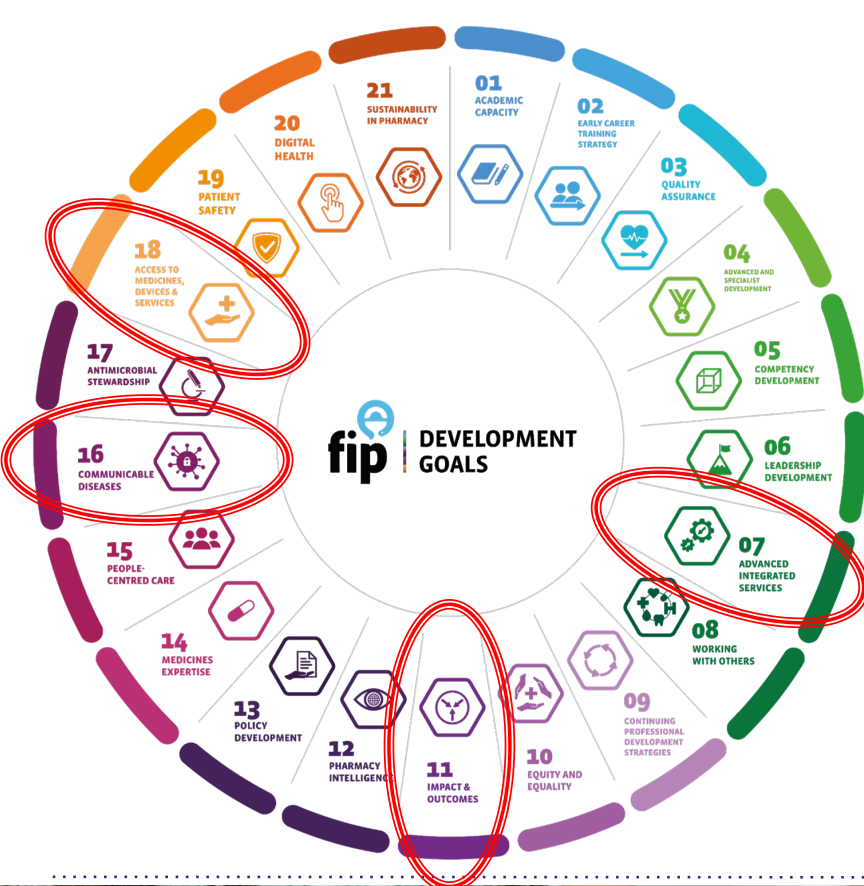
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Competencies and scope need to be clear...and globally applicable



Global Competency Framework – Early Career Training Version 2

1. Pharmaceutical Public Health

Competencies

Behaviours

1.1 Emergency response

1.1.1 Participate in the response to public health emergencies

1.1.2 Assist the multidisciplinary healthcare teams in emergency situations

1.2 Health promotion

1.2.1 Assess the patient's/population's primary healthcare needs (taking into account the cultural and social setting of the patient/populations)

1.2.2 Advise and provide services related to health promotion; disease prevention and control (e.g. vaccination); and healthy lifestyle

1.2.3 Identify and support national and local health priorities and initiatives

1.3 Medicines information and advice

1.3.1 Counsel the patient/population on the safe and rational use of medicines and devices (including the selection, use, contraindications, storage, and side effects of non-prescription and prescription medicines)

1.3.2 Identify sources, retrieve, evaluate, organise, assess and provide relevant and appropriate medicines information according to the needs of patients and clients

1.3.3 Support the patient's use of health information technologies and digital communication (including IT driven health solutions)

2. Pharmaceutical Care

Competencies

Behaviours

2.1 Assessment of medicines

2.1.1 Gather, analyse, research, and interpret information about the patient and patient's medicines-related needs (e.g. indication, effectiveness, safety and adherence)

2.1.2 Retrieve relevant patient information (including drug history, or immunisation status for example) and record of allergies to medicines and Adverse Drug Reactions (ADR) in medication record

2.1.3 Identify, prioritise, resolve and follow up on medicine-medicine interactions; medicine-



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SERIES 1. Identifying transformation needs:
The needs of the pharmaceutical science, practice and workforce of vaccination.



Episode 8

Reviewing the FIP Transforming Vaccination Programme:
Enabling and supporting our profession

Date 21 October **Time** 14:00 CEST



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President
FIP
(Switzerland)



Co-moderator

Catherine Duggan
CEO
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(UK)



Panellist

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Professional Secretary
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Panellist

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Panellist

Giovanni Pauletti
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& Administrative Sciences
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(USA)



Panellist

Ian Bates
Chair of pharmacy education
UCL School of Pharmacy
(UK)



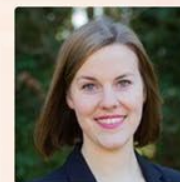
Panellist

Ross MacKinnon
Strategic Professor in Cancer Research
& Matthew Flinders Distinguished Professor
College of Medicine and Public Health
(Australia)



Panellist

Ralph Altieri
Dean
University of Colorado
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Panellist

Allie Jo
Director, State Policy
YPG Liaison to FIP Community Pharmacy Section
National Alliance of State Pharmacy Associations
(USA)

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Thank you for participating!
