



Course 2

Global Immunization Recovery

Implementing the WHO Big Catch-Up Initiative on missed vaccinations

Module 1: Historical Impact of Vaccination Programs on Global Health

Examines the historical impact of vaccination programs and their crucial role in global public health. It explores the achievements of the Expanded Program on Immunization (EPI), quantifies lives saved by vaccines, and highlights the ongoing challenges in achieving universal vaccine coverage.

Module 2: Current Global Vaccination Gaps and WHO Data on Missed Vaccinations

Examines the impact of recent global events on immunization efforts, focusing on the regression in coverage rates and the emergence of zero-dose children. It introduces the IA2030 Framework for Action, analyzes outbreaks of vaccine-preventable diseases, and the complex factors contributing to immunization gaps worldwide.

Module 3: Big Catch-Up Information Pack for Regional and Country Teams

Provides a comprehensive overview of the Big Catch-Up initiative, including its rationale, objectives, and implementation strategies. It covers the application process, funding support, antigen eligibility, and guidelines for developing catch-up vaccination plans to address immunization gaps.

Module 4: (Part1 & Part2): State of Readiness to Effectively Deliver Polio Essential Functions

This module examines global readiness for non-GPEI polio functions, covering the Expanded Program on Immunization's 50-year impact, IA2030 implementation, and WHO/UNICEF 2023 estimates. It analyzes the Big Catch-Up initiative's impact on reducing zero-dose children, explores regional disparities, and addresses challenges in achieving full immunization coverage. The module emphasizes data-driven approaches and strategies for outbreak prevention in a changing global landscape.

Time Requirements & Credit Info

Course Description:

'Implementing the WHO Big Catch-Up Initiative on Missed Vaccinations provides an in-depth understanding of vaccination programs' impact on global health from the inception of the Expanded Program on Immunization to present-day challenges, including current immunization gaps and setbacks caused by the COVID-19 pandemic. It explores vaccination challenges, evidence-based strategies for closing these gaps, and approaches to strengthen global health systems. This course equips healthcare professionals with the knowledge and skills to implement effective catch-up vaccination programs, utilize data analysis for decision-making, and contribute to long-term improvements in global immunization efforts.

Course Overview

This comprehensive course is designed to provide participants with a thorough understanding of the World Health Organization's (WHO) "Big Catch-Up" initiative, its implementation, and its impact on global health. The course is divided into four modules, each focusing on a specific aspect of global immunization recovery, from understanding current gaps to planning for future resilience. Participants will engage with real-world data and scenarios, exploring multi-stakeholder approaches in global health initiatives.

Learning Objectives

By the end of this course, participants will be able to:

- 1. Identify and analyze current global immunization gaps and their underlying causes, with a focus on COVID-19's impact.
- 2. Gain insights into vaccination data and regional disease outbreaks and explore the IA2030 Framework for Action.
- 3. Understand the Big Catch-Up initiative, including the application process, activity implementation, and monitoring of the activities.
- 4. Develop strategies for implementing effective catch-up vaccination programs using evidence-based approaches.
- 5. Identify challenges in resource-limited and conflict-affected settings.
- 6. Contribute to strengthening immunization systems within primary healthcare.
- 7. Apply lessons from recent global health challenges to future pandemic preparedness.
- 8. Understand and apply monitoring and evaluation techniques for assessing the effectiveness of catch-up vaccination programs.
- 9. Analyze multi-stakeholder approaches in global health initiatives and their role in successful implementation.

Duration and Learning Hours

Module Title	Required Time
Module 1: Historical Impact of Vaccination Programs on Global Health	79 mins
Module 2: Current Global Vaccination Gaps and WHO Data on Missed Vaccinations	98 mins
Module 3: Big Catch-Up Information Pack for Regional and Country Teams	233 mins
Module 4: State of Readiness to Effectively Deliver Polio Essential Functions Through Non-GPEI Mechanisms	351 mins
Total time	12:41:00

Module Title and Short Description	Required Time
Module 1: Historical Impact of Vaccination Programs on Global Health	79 mins
<b>Brief description:</b> This module provides a comprehensive overview of the Expanded Programme on Immunization (EPI) and its profound impact on global public health over the past 50 years. It covers key statistics on lives saved, disease prevention, and the economic benefits of vaccination programs. The module explores the impact of vaccines on different diseases and regions, with a particular focus on infant mortality reduction. It also addresses future challenges and the need for continued efforts in universal vaccine coverage. The content is data-rich and requires careful study to grasp the full scope of vaccination's historical and ongoing significance in global health.	<b>Reading:</b> 15 mins <b>Presentation:</b> 30 mins <b>Video:</b> 4 mins <b>Quiz:</b> 30 mins
Module 2: Current Global Vaccination Gaps and WHO Data on Missed Vaccinations	98 mins
<b>Brief description:</b> This module examines the impact of the COVID-19 pandemic on global immunization efforts and the resulting challenges in maintaining vaccination coverage. It covers the IA2030 Framework for Action's impact goals, the regression in immunization efforts, and the resurgence of vaccine-preventable diseases such as measles, polio, diphtheria, and yellow fever. The module provides detailed data on regional outbreaks, vaccination coverage trends, and the urgent need for catch-up initiatives. It emphasizes the interconnected nature of global health and the importance of addressing immunization gaps to prevent disease resurgence. The content is data-rich and requires time to analyze the various charts, graphs, and regional information presented.	<b>Reading:</b> 30 mins <b>Presentation:</b> 30 mins <b>Video:</b> 8 mins <b>Quiz:</b> 30 mins
Module 3: Big Catch-Up Information Pack for Regional and Country Teams	233 mins
<b>Brief description:</b> This module provides a detailed overview of the Big Catch-Up (BCU) initiative, focusing on its regional and country-level implementation. It covers the rationale and ambition of BCU, guidelines for developing applications, the review process, and monitoring requirements. The module emphasizes the importance of aligning BCU plans with existing immunization activities, details the eligibility criteria for vaccine support, and outlines the step-by-step application and review procedures. It also addresses the crucial aspects of activity implementation and monitoring strategies to ensure the initiative's success in closing immunization gaps caused by the COVID-19 pandemic. The technical nature of the content, including guidelines for dose calculations and review processes, necessitates a longer study time for full comprehension.	<b>Reading:</b> 150 mins <b>Presentation:</b> 30 mins <b>Video:</b> 23 mins <b>Quiz:</b> 30 mins
Module 4 (Part 1): State of Readiness to Effectively Deliver Polio Essential Functions Through Non-GPEI Mechanisms	176 mins
<b>Brief description:</b> This module provides a comprehensive overview of the global immunization landscape, focusing on transitioning from GPEI to non-GPEI mechanisms for polio eradication. It covers the Expanded Programme on Immunization's 50-year impact, Immunization Agenda 2030 implementation, WHO/UNICEF 2023 coverage estimates, and strategies for outbreak prevention. The content is data-rich and requires careful study to understand the complexities of global immunization efforts and challenges in fragile settings.	<b>Reading:</b> 90 mins <b>Presentation:</b> 30 mins <b>Video:</b> 26 mins <b>Quiz:</b> 30 mins
Module 4 (Part 2):	175 mins
<b>Brief description:</b> This module examines the Big Catch-Up initiative launched in 2023, analyzing its implementation across various countries and its impact on reducing zero-dose children. It explores regional disparities in immunization progress, discusses challenges in achieving full immunization coverage, and addresses the complexities facing future immunization efforts in a changing global landscape. The content requires critical analysis of data and an understanding of multi-faceted global health strategies.	<b>Reading:</b> 90 mins <b>Presentation:</b> 30 mins <b>Video:</b> 25 mins <b>Quiz:</b> 30 mins
Rate Your Course Experience	00:03:00
Total time	12:44:00
CPD Credit	1 Credit

The Credit Assessment Considers

- The concentrated nature of the course content
- The high-level, professional audience it targets
- The assumption that learners will engage in additional self-study and reflection beyond the stated module times
- Standard practices in continuing education for health professionals

This credit hour allocation aligns with typical short courses or professional development modules in public health and immunization. It provides a substantial learning experience while remaining manageable for working professionals.

Target Audience

- Public health professionals
- Immunization program managers
- Healthcare policymakers
- NGO and international organization staff
- Researchers in global health and epidemiology
- Healthcare providers involved in vaccination programs

Modality

The course is delivered through our online learning platform, offering an asynchronous learning experience. Course materials include:

- **Comprehensive reading materials:** These form the foundation for each module, covering key concepts, theories, and real-world examples.
- **Interactive PowerPoint presentations:** These summarize the main points from the reading materials and include relevant data from reliable sources to reinforce the concepts and provide evidence.
- **Engaging video presentations:** These provide comprehensive explanations of key concepts, supported by graphs and visuals to ensure participants fully grasp each module.
- **Knowledge-check quizzes:** These are designed to assess participants' understanding of the course content and reinforce their learning.

Participants are encouraged to follow the suggested study sequence to gain a comprehensive understanding of the course content.