



Course 4

Using ChatGPT in Healthcare and Vaccination

A Practical Guide for Healthcare Professionals

Module 1: Introduction to ChatGPT in Healthcare and Vaccination

Learn how ChatGPT enhances patient care, streamlines vaccination communication, and improves workflow efficiency. This module covers AI fundamentals, prompt crafting, and ethical AI use in healthcare.

Module 2: Improving Vaccination Communication with ChatGPT

Discover how ChatGPT improves vaccine communication by engaging parents, addressing hesitancy, and ensuring cultural sensitivity. Learn to craft personalized messages, debunk myths, and refine strategies for better outreach.

Module 3: Enhancing Immunization Management with ChatGPT

Optimize vaccine management with ChatGPT. This module covers tracking immunization records, setting reminders, and documenting adverse events efficiently to improve program effectiveness.

Module 4: Data-Driven Decision-Making Using ChatGPT

Leverage ChatGPT for smarter healthcare decisions. Learn to generate reports, analyze data, and predict vaccine demand to optimize resource allocation and immunization planning.

Module 5: Ethical Use of ChatGPT in Healthcare

Ensure responsible AI use in healthcare. This module covers privacy, bias, transparency, and human oversight, helping professionals integrate ChatGPT ethically into their workflows.

Time Requirements & Credit Info

Course Description:

This course is designed to train healthcare professionals, particularly those involved in vaccination programs, on how to leverage AI tools like ChatGPT to enhance patient care, streamline communication, and support data-driven decision-making. Through five comprehensive modules, participants will gain hands-on experience in using ChatGPT for improving vaccination communication, managing immunization programs, analyzing health data, and addressing ethical considerations in AI-driven healthcare.

Course Overview

This training program provides a practical and interactive learning experience, helping healthcare professionals integrate ChatGPT into their daily workflows. It focuses on real-world applications, case studies, and exercises that enable learners to:

- Craft effective AI prompts for healthcare scenarios.
- Enhance patient communication, particularly in vaccine-related discussions.
- Use ChatGPT to support immunization management and decision-making.
- Apply AI-driven data analysis for resource allocation.
- Understand the ethical implications of AI in healthcare.

By the end of the course, participants will be able to implement AI tools effectively while maintaining ethical standards and patient safety.

Learning Objectives

Upon completing this course, participants will be able to:

1. Understand the role of ChatGPT in healthcare, particularly in vaccination programs.
2. Develop effective prompts to engage with ChatGPT for healthcare applications.
3. Improve communication strategies to address vaccine hesitancy and enhance parent engagement.
4. Utilize ChatGPT for immunization data tracking and adverse event monitoring.
5. Apply AI-driven insights to support data-driven decision-making in vaccination programs.
6. Identify ethical considerations, including privacy, bias, and human oversight, when using ChatGPT in healthcare.

Duration and Learning Hours

Module Title and Short Description	Required Time
Module 1: Introduction to ChatGPT in Healthcare and Vaccination Brief description: Learn how ChatGPT enhances patient care, streamlines vaccination communication, and improves workflow efficiency. This module covers AI fundamentals, prompt crafting, and ethical AI use in healthcare.	130 mins
Module 2: Improving Vaccination Communication with ChatGPT Brief description: Discover how ChatGPT improves vaccine communication by engaging parents, addressing hesitancy, and ensuring cultural sensitivity. Learn to craft personalized messages, debunk myths, and refine strategies for better outreach.	200 mins
Module 3: Enhancing Immunization Management with ChatGPT Brief description: Optimize vaccine management with ChatGPT. This module covers tracking immunization records, setting reminders, and documenting adverse events efficiently to improve program effectiveness.	120 mins
Module 4: Data-Driven Decision-Making Using ChatGPT Brief description: Leverage ChatGPT for smarter healthcare decisions. Learn to generate reports, analyze data, and predict vaccine demand to optimize resource allocation and immunization planning	120 mins
Module 5: Ethical Use of ChatGPT in Healthcare Brief description: Ensure responsible AI use in healthcare. This module covers privacy, bias, transparency, and human oversight, helping professionals integrate ChatGPT ethically into their workflows.	110 mins
Total time	11:20:00

Total Time	Required Time
Total Reading time for all 5 Modules	680 mins
Practical Assignments Description: In this course provide hands-on exercises where participants apply ChatGPT in real-world healthcare scenarios. These tasks include crafting AI-driven vaccine communication strategies, analyzing immunization data, and addressing ethical considerations in AI use	275 mins
Quizzes Description: In this course assess participants' understanding of key concepts from each module. They include True/False, Multiple Choice, and Multi-Selection questions, covering topics like AI in healthcare, vaccine communication, immunization management, data-driven decision-making, and ethical AI use.	75 mins
Total learning hours	17:33:00
CPD Credit	1.37 Credit

The Credit Assessment Considers

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

Target Audience

This course is designed for:

- Healthcare professionals working in vaccination programs
- Public health practitioners and immunization coordinators
- Healthcare administrators and decision-makers
- AI and digital health enthusiasts in medical settings
- Medical educators and trainers involved in healthcare innovation

Modality

- Online, self-paced learning
- Interactive simulations and case studies
- Practical exercises with real-world applications
- Assignments, Quizzes and self-reflection tasks

For more information click here: <https://www.cima.care/health-academy>