



AI Certification Program

AI + Healthcare Administrator



Executive Summary

The AI+ Healthcare Administrator certification prepares professionals to lead the integration and management of AI technologies in healthcare organizations. Focusing on both technical and administrative aspects, the certification covers key areas such as AI implementation, healthcare data management, patient care optimization, and regulatory compliance. Participants will learn how to leverage AI for enhancing operational efficiency, improving decision-making, and ensuring patient privacy and data security. The program also addresses ethical concerns, sustainability, and AI governance, providing administrators with the tools to drive digital transformation while maintaining high standards in healthcare delivery and administration.

Prerequisites

- **Basic Understanding of Healthcare Systems:** Familiarity with healthcare operations and structures.
- **Fundamental Knowledge of AI Concepts:** Understanding machine learning and AI fundamentals.
- **Data Privacy and Security Awareness:** Knowledge of HIPAA and data protection laws.
- **Project Management Skills:** Ability to manage healthcare AI implementation projects.
- **Familiarity with Healthcare Software:** Experience with electronic health records (EHR) and healthcare platforms.

Exam Blueprint

Number
of Questions

50

Passing
Score

35/50 or 70%

Duration

90 Minutes

Format

**Online via AI
Proctoring platform**

Question Type

**Multiple Choice/Multiple
Response**

Exam Overview

Module	Weight
Fundamentals of AI for Healthcare Administrators	5%
Data Literacy for Healthcare Admins	11%
AI in Operations Optimization	12%
NLP and Generative AI in Admin Work	12%
AI in Billing, Coding & Claims	12%
Ethics, Bias & Regulation in Admin AI	12%
Evaluating and Procuring AI Tools	12%
Telehealth, Virtual Care and Cybersecurity in the Age of AI	12%
Becoming an AI Champion in Admin Settings	12%
	100%

AI CERTs®

AI⁺
Healthcare
Administrator™

Certification Modules

Module 1

Fundamentals of AI for Healthcare Administrators

1.1 Understanding of AI

1.2 AI in Healthcare Operations

1.3 Case Study

1.4 Hands-On: No-Code AI-Based Chest X-ray Classification for COVID-19 and Lung Conditions Using Google Teachable Machine

Module 2

Data Literacy for Healthcare Admins

2.1 Understanding Healthcare Data Types

2.2 Using Data for Decisions

2.3 Case Study 1: Apollo Hospital's AI-Based Discharge Management System

2.4 Case Study 2: Cleveland Clinic's AI Integration for Medical Billing Optimization

2.5 Hands-On: No-Code Exploration of a Hospital Analytics Dashboard Using Vizly.ai

Module 3

AI in Operations Optimization

3.1 Streamlining Patient Flow and Resource Optimization

3.2 Inventory, Maintenance, and Procurement

3.3 Case Study 1: AI-Powered Emergency Interhospital Transfers

3.4 Case Study 2: AI for Inventory Waste Reduction in Hospital Supply Chains (Mayo Clinic, Cleveland Clinic & Rush University)

3.5 Hands-On: AI-Driven Hospital Operations Optimization: A No-Code Predictive Interface Using Julius AI

Module 4

NLP and Generative AI in Admin Work

4.1 Foundations of NLP and Chatbots

4.2 Writing and Communication Tasks with Generative AI

4.3 Case Study: Alleviating Physician Burnout via Clinical Documentation Assistance

4.4 Hands-On: Meeting Summarization Assistant for Healthcare Admin

Module 5

AI in Billing, Coding & Claims

5.1 AI in Medical Coding and Documentation

5.2 Claims Management and Fraud Detection

5.3 Hands-On: No-Code AI-Powered Medical Claims Denial Prediction

Module 6

Ethics, Bias & Regulation in Admin AI

6.1 Identifying Bias in Administrative AI Tools

6.2 Legal & Compliance Considerations

6.3 Case Study: AI Triage Failure and Legal Exposure at North Bridge Hospital

6.4: Hands-On: Analyzing Hospital Admission Bias with Claude AI

Module 7

Evaluating and Procuring AI Tools

7.1 Assessing AI Tools for Quality and Relevance

7.2 Implementation Planning and Procurement

7.3 Case Study 1: AI-Powered Cancer Detection at Tata Memorial Hospital

7.4 Case Study 2: AI-Powered Eye Screening by Forus Health and Microsoft

7.5 Hands-On: Healthcare Data Visualization with No-Code BI Tools

Module 8

Telehealth, Virtual Care, and Cybersecurity in the Age of AI

8.1 Understanding Cyber Threats in AI-Driven Healthcare

8.2 Building a Secure AI-Operations Environment

8.3 Case Study 1: WannaCry Attack on NHS (2017)

8.4 Case Study 2: Universal Health Services Ransomware Attack (2020)

8.5 Hands-On: AI Cybersecurity Risk Dashboard Implementation Using Google Looker Studio

Module 9

Becoming an AI Champion in Admin Settings

9.1 Introduction: Why This Module Matters Now

9.2 Leading Small-Scale AI Pilots

9.3 Identifying Pilot Opportunities in Departments

9.4 Stakeholder Alignment: IT, Compliance, Frontline Staff

9.5 Building Organizational Readiness

9.6 Step-by-Step Guide: No-Code AI for Medical Claim Denial Prediction Using Relevance AI

The logo for AI CERTs features the word "AI" in a bold, yellow, sans-serif font. The letter "I" is stylized with three horizontal lines extending from its right side, resembling a circuit board or a neural network. To the right of "AI" is the word "CERTs" in a white, bold, sans-serif font. A registered trademark symbol (®) is positioned at the top right of the "s".

AI CERTs[®]

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