

LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 21090 — Health Informatics Harmonized Data Types

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference HL-HIT-21090 • ISO Health

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AT A GLANCE

REFERENCE	HL-HIT-21090
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1

Cross-Functional Team Leadership

5 chapters · 30 classes 65 marks

• 1 Fundamentals of Cross-Functional Team Dynamics — 6 classes

› 1.1 Define Cross-Functional Teams and Their Importance in Health Informatics

› 1.2 Identify Key Roles and Responsibilities Within Cross-Functional Teams

› 1.3 Explore Methods for Effective Communication in Diverse Teams

› 1.4 Analyze Common Challenges Faced by Cross-Functional Teams

› 1.5 Develop Strategies for Resolving Conflicts in Team Settings

› 1.6 Implement Best Practices for Enhancing Team Collaboration and Performance

• 2 Effective Communication Strategies for Team Leaders — 6 classes

› 2.1 Understand the Importance of Effective Communication in Leadership

› 2.2 Identify Key Communication Barriers in Cross-Functional Teams

› 2.3 Develop Active Listening Skills to Enhance Team Collaboration

› 2.4 Explore Techniques for Clear and Concise Messaging

› 2.5 Utilize Feedback Mechanisms to Foster Open Communication

› 2.6 Implement Conflict Resolution Strategies to Improve Team Dynamics

• 3 Building Trust and Collaboration in Health Informatics Teams — 6 classes

› 3.1 Define Trust and Its Importance in Health Informatics Teams

› 3.2 Identify Barriers to Trust in Cross-Functional Teams

› 3.3 Explore Strategies for Building Trust Among Team Members

› 3.4 Foster Open Communication to Enhance Collaboration

› 3.5 Implement Conflict Resolution Techniques for Team Cohesion

› 3.6 Create an Action Plan to Sustain Trust and Collaboration

• 4 Conflict Resolution and Decision-Making in Cross-Functional Teams — 6 classes

› 4.1 Identify Sources of Conflict in Cross-Functional Teams

› 4.2 Analyze the Impact of Conflict on Team Dynamics

› 4.3 Explore Conflict Resolution Techniques for Leaders

› 4.4 Facilitate Effective Communication During Conflicts

› 4.5 Apply Decision-Making Models in Conflict Situations

› 4.6 Develop a Conflict Resolution Action Plan for Teams

• 5 Measuring and Sustaining Team Performance in Health IT — 6 classes

› 5.1 Define Key Metrics for Team Performance in Health IT

› 5.2 Identify Tools for Measuring Team Effectiveness

› 5.3 Analyze Performance Data to Identify Improvement Areas

› 5.4 Develop Strategies for Sustaining Team Motivation

› 5.5 Implement Feedback Mechanisms for Continuous Improvement

› 5.6 Evaluate the Impact of Leadership on Team Dynamics

• 1 Fundamentals of Data Governance in Health Informatics — 6

classes

- › 1.1 Define Data Governance in Health Informatics
- › 1.2 Identify Key Principles of Data Governance
- › 1.3 Explore the Importance of Data Quality and Integrity
- › 1.4 Analyze Roles and Responsibilities in Data Governance
- › 1.5 Examine Data Governance Frameworks and Standards
- › 1.6 Develop a Data Governance Strategy for Health Organizations

• 2 Regulatory Frameworks and Standards in Health Data Management — 6 classes

- › 2.1 Analyze the Importance of Regulatory Frameworks in Health Data Management
- › 2.2 Identify Key Standards in Health Informatics and Their Impact
- › 2.3 Examine ISO 21090 and Its Role in Data Governance
- › 2.4 Assess Compliance Challenges in Health Data Regulations
- › 2.5 Develop Strategies for Implementing Regulatory Standards
- › 2.6 Evaluate Case Studies on Regulatory Compliance in Health Data

• 3 Data Quality Management Practices for Clinical Data — 6 classes

- › 3.1 Define Data Quality Metrics for Clinical Data
- › 3.2 Identify Common Data Quality Issues in Healthcare
- › 3.3 Assess the Impact of Poor Data Quality on Patient Outcomes
- › 3.4 Implement Data Quality Control Processes in Clinical Settings
- › 3.5 Evaluate Tools and Technologies for Data Quality Management
- › 3.6 Develop a Data Quality Improvement Plan for Clinical Data

• 4 Risk Management and Compliance in Health Data Governance —

6 classes

- › 4.1 Identify Key Risks in Health Data Governance
- › 4.2 Analyze Compliance Requirements for Health Data
- › 4.3 Develop a Risk Assessment Framework for Health Data
- › 4.4 Implement Risk Mitigation Strategies in Health Data Practices
- › 4.5 Monitor and Evaluate Compliance in Health Data Governance
- › 4.6 Create a Continuous Improvement Plan for Risk Management

• 5 Implementing Effective Data Governance Frameworks — 6 classes

- › 5.1 Define Key Concepts of Data Governance Frameworks
- › 5.2 Identify Stakeholders and Their Roles in Data Governance
- › 5.3 Develop a Data Governance Strategy Aligned with Organizational Goals
- › 5.4 Establish Policies and Standards for Data Management
- › 5.5 Implement Tools and Technologies to Support Data Governance
- › 5.6 Evaluate and Adapt Data Governance Frameworks for Continuous Improvement

• 1 Understanding Health Data Standards and ISO 21090 Principles

— 6 classes

- › 1.1 Define Health Data Standards and Their Importance
- › 1.2 Explore Key Principles of ISO 21090
- › 1.3 Identify Components of Harmonized Data Types
- › 1.4 Analyze Case Studies Implementing ISO 21090
- › 1.5 Evaluate the Impact of Health Data Standards on Patient Care
- › 1.6 Develop a Plan for Implementing ISO 21090 in Health Organizations

• 2 Types of Health Data and Their Harmonization — 6 classes

- › 2.1 Identify Different Types of Health Data
- › 2.2 Explore the Importance of Data Harmonization in Health
- › 2.3 Analyze ISO 21090 Standards for Health Data Types
- › 2.4 Evaluate Challenges in Harmonizing Health Data
- › 2.5 Apply Harmonization Techniques to Case Studies
- › 2.6 Develop a Framework for Implementing Data Harmonization

• 3 Methods for Collecting and Analyzing Health Data — 6 classes

- › 3.1 Identify Key Methods for Collecting Health Data
- › 3.2 Explore Qualitative vs Quantitative Data Collection Techniques
- › 3.3 Analyze the Role of Surveys and Questionnaires in Health Data
- › 3.4 Evaluate the Importance of Electronic Health Records for Data Retrieval
- › 3.5 Apply Statistical Methods for Analyzing Health Data
- › 3.6 Design a Health Data Collection Plan for Real-World Application

• 4 Implementing Quality Metrics and Data Governance — 6 classes

- › 4.1 Define Quality Metrics in Health Data Analysis
- › 4.2 Identify Key Components of Data Governance Frameworks
- › 4.3 Evaluate the Role of Leadership in Quality Metric Implementation
- › 4.4 Analyze Case Studies on Successful Data Governance Practices
- › 4.5 Develop a Strategy for Quality Metric Integration in Health Systems
- › 4.6 Create an Action Plan for Continuous Improvement in Data Quality

• 5 Advanced Analytics and Decision-Making in Health Informatics —

6 classes

- › 5.1 Analyze Advanced Analytics Techniques in Health Informatics
- › 5.2 Assess Data Quality and Integrity in Health Data Analysis
- › 5.3 Apply Predictive Analytics to Improve Patient Outcomes
- › 5.4 Integrate Decision-Making Frameworks with Health Data Insights
- › 5.5 Evaluate Real-World Case Studies of Data-Driven Health Decisions
- › 5.6 Develop a Strategic Plan for Implementing Advanced Analytics

• 1 Introduction to ISO 21090: Understanding Harmonized Data Types in Health Informatics — 6 classes

- › 1.1 Define and Explain Harmonized Data Types in Health Informatics
- › 1.2 Identify the Key Principles of ISO 21090
- › 1.3 Explore the Importance of Standardization in Health Data
- › 1.4 Analyze Real-World Applications of ISO 21090 Principles
- › 1.5 Evaluate Challenges in Implementing Harmonized Data Types
- › 1.6 Develop Strategies for Effective Use of ISO 21090 in Health Systems

• 2 Core Principles of Harmonized Data Types in Health Records — 6 classes

- › 2.1 Define Key Terminology in Harmonized Data Types
- › 2.2 Explain the Importance of Standardization in Health Records
- › 2.3 Identify Core Principles of ISO 21090 in Healthcare
- › 2.4 Compare Harmonized Data Types with Traditional Data Formats
- › 2.5 Evaluate Case Studies of ISO 21090 Implementation
- › 2.6 Develop a Strategy for Implementing Harmonized Data Types in Practice

• 3 Assessment of Data Types: Standards, Use Cases, and Application — 6 classes

- › 3.1 Evaluate Standards of ISO 21090 for Health Informatics
- › 3.2 Identify Key Data Types in ISO 21090 Framework
- › 3.3 Analyze Use Cases of Data Types in Health Informatics
- › 3.4 Discuss Application Scenarios for Harmonized Data Types
- › 3.5 Compare ISO 21090 Data Types with Other Standards
- › 3.6 Assess Real-World Impacts of Implementing ISO 21090

• 4 Implementation Strategies for ISO 21090 in Health IT Systems — 6 classes

- › 4.1 Analyze the Core Principles of ISO 21090
- › 4.2 Identify Key Stakeholders in Health IT Systems Implementation
- › 4.3 Develop a Strategic Plan for ISO 21090 Integration
- › 4.4 Create Data Governance Frameworks for Health Informatics
- › 4.5 Evaluate Compliance and Quality Assurance Mechanisms
- › 4.6 Implement Change Management Techniques for Successful Adoption

• 5 Evaluating Compliance and Quality of Health Data Types — 6 classes

- › 5.1 Understand the Key Principles of ISO 21090
- › 5.2 Identify Essential Health Data Types and Their Purposes
- › 5.3 Assess Compliance Metrics for Health Data Types
- › 5.4 Evaluate Quality Indicators for Health Data Collection
- › 5.5 Analyze Case Studies of Compliance Failures in Health Informatics
- › 5.6 Develop an Action Plan for Improving Data Quality and Compliance

• 1 Understanding Stakeholder Identification in Health Informatics — 6 classes

- › 1.1 Define Key Stakeholder Roles in Health Informatics
- › 1.2 Identify Primary Stakeholder Groups and Their Interests
- › 1.3 Analyze the Impact of Stakeholders on Health Informatics Projects
- › 1.4 Develop Techniques for Effective Stakeholder Communication
- › 1.5 Assess Stakeholder Needs and Expectations in Health Informatics
- › 1.6 Create a Stakeholder Engagement Plan for a Health Informatics Initiative

• 2 Analyzing Stakeholder Needs and Expectations — 6 classes

- › 2.1 Identify Key Stakeholders in Health Informatics
- › 2.2 Assess Stakeholder Influence and Impact
- › 2.3 Explore Stakeholder Needs through Effective Communication
- › 2.4 Analyze Conflicting Stakeholder Expectations
- › 2.5 Prioritize Stakeholder Needs for Project Alignment
- › 2.6 Develop an Engagement Strategy Based on Analysis

• 3 Effective Communication Strategies for Stakeholder Engagement — 6 classes

- › 3.1 Identify Key Stakeholders in Health Informatics
- › 3.2 Analyze Stakeholder Needs and Expectations
- › 3.3 Develop Tailored Communication Plans for Stakeholders
- › 3.4 Utilize Active Listening Techniques for Engagement
- › 3.5 Implement Feedback Mechanisms to Improve Communication
- › 3.6 Evaluate the Effectiveness of Communication Strategies

• 4 Building Collaborative Relationships with Stakeholders — 6 classes

- › 4.1 Identify Key Stakeholders for Collaborative Engagement
- › 4.2 Analyze Stakeholder Needs and Expectations
- › 4.3 Develop Effective Communication Strategies for Stakeholder Interaction
- › 4.4 Foster Trust and Transparency in Stakeholder Relationships
- › 4.5 Implement Collaborative Tools for Stakeholder Engagement
- › 4.6 Evaluate and Adapt Stakeholder Engagement Strategies for Continuous Improvement

• 5 Evaluating Stakeholder Engagement Outcomes — 6 classes

- › 5.1 Define Key Metrics for Evaluating Stakeholder Engagement Outcomes
- › 5.2 Identify Stakeholder Roles and Their Impact on Engagement Outcomes
- › 5.3 Analyze Qualitative and Quantitative Data from Stakeholder Feedback
- › 5.4 Assess Alignment of Engagement Strategies with Stakeholder Expectations
- › 5.5 Develop a Framework for Continuous Improvement of Engagement Practices
- › 5.6 Present Findings and Recommendations to Stakeholders Effectively

• 1 Introduction to Health IT: Foundations and Governance — 6 classes

- › 1.1 Define Health IT: Understanding Key Concepts and Terminology
- › 1.2 Explore the Historical Context: Evolution of Health Information Technology
- › 1.3 Identify the Stakeholders: Who is Involved in Health IT Governance?
- › 1.4 Analyze Regulatory Frameworks: Impact on Health IT Practices
- › 1.5 Evaluate Governance Models: Best Practices in Health IT Management
- › 1.6 Develop a Strategic Initiative: Aligning Health IT with Organizational Goals

• 2 Understanding ISO 21090 and Its Importance in Health IT — 6 classes

- › 2.1 Define ISO 21090 and Its Key Concepts
- › 2.2 Explore the Role of ISO 21090 in Health Informatics
- › 2.3 Identify the Harmonized Data Types Under ISO 21090
- › 2.4 Analyze the Importance of Standardization in Health IT
- › 2.5 Evaluate Case Studies on ISO 21090 Implementation
- › 2.6 Develop a Strategic Plan for Adopting ISO 21090 in Your Organization

• 3 Strategic Alignment: Health IT Initiatives and Organizational Goals — 6 classes

- › 3.1 Assessing Organizational Goals in Health IT Alignment
- › 3.2 Identifying Key Health IT Initiatives for Strategic Alignment
- › 3.3 Evaluating the Role of Leadership in Health IT Strategy
- › 3.4 Developing a Framework for Effective Health IT Deployment
- › 3.5 Measuring the Impact of Health IT on Organizational Performance
- › 3.6 Creating a Roadmap for Sustainable Health IT Integration

• 4 Implementation Strategies for Health IT Projects — 6 classes

- › 4.1 Assessing Organizational Readiness for Health IT Implementation
- › 4.2 Defining Clear Objectives and Outcomes for Health IT Projects
- › 4.3 Developing a Comprehensive Stakeholder Engagement Plan
- › 4.4 Identifying and Mitigating Risks in Health IT Projects
- › 4.5 Integrating Change Management Practices in Health IT Initiatives
- › 4.6 Evaluating the Success of Health IT Implementation Strategies

• 5 Evaluating the Impact of Health IT Initiatives on Patient Outcomes — 6 classes

- › 5.1 Identify Key Patient Outcome Metrics for Health IT Initiatives
- › 5.2 Analyze Case Studies on Health IT Impact on Patient Care
- › 5.3 Evaluate Methodologies for Measuring Patient Outcomes
- › 5.4 Discuss the Role of Stakeholders in Health IT Implementation
- › 5.5 Apply Analytical Tools to Assess Health IT Effectiveness
- › 5.6 Develop Action Plans to Enhance Patient Outcomes from Health IT