



Consulting and Training | Reach New Heights

Course Name

Health Care Data Analysis - Intermediate Level

Sector Name

Health, Safety and Environment

Document Type

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Health Care Data Analysis - Intermediate Level

Course Introduction

Healthcare organizations generate vast amounts of data across clinical, operational, and financial activities. When analyzed effectively, this data can improve patient outcomes, enhance operational efficiency, support cost control, and strengthen decision-making. However, healthcare data also presents unique challenges related to quality, complexity, privacy, and interpretation.

The Health Care Data Analysis course is designed for professionals who work with healthcare data and want to strengthen their analytical capabilities beyond basic reporting.

Within **BOOST**, this program focuses on practical approaches to analyzing healthcare data in a way that supports informed decisions, performance improvement, and accountability.

The course emphasizes how data is used in real healthcare settings—how it is collected, cleaned, analyzed, and interpreted to answer meaningful questions. Participants will explore common healthcare datasets, performance indicators, and analytical techniques while keeping regulatory and ethical considerations in mind. The program also highlights how to communicate insights clearly to clinical, operational, and management stakeholders.

By the end of the course, participants will be better equipped to analyze healthcare data effectively and translate findings into

actionable insights that support better health and operational outcomes.

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Target Audience

- ✓ Healthcare administrators and managers
- ✓ Health information and data analysts
- ✓ Finance and planning professionals in healthcare
- ✓ Quality improvement and performance management staff
- ✓ Clinical support and operations professionals
- ✓ Public health and healthcare policy professionals
- ✓ IT and systems staff supporting healthcare analytics

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Learning Objectives

- ✓ Understand the role of data analysis in healthcare decision-making
- ✓ Identify key types and sources of healthcare data
- ✓ Apply basic and intermediate analytical techniques to healthcare datasets
- ✓ Interpret healthcare performance indicators and trends
- ✓ Assess data quality and reliability in healthcare contexts
- ✓ Support operational, financial, and quality improvement decisions
- ✓ Communicate data insights clearly to diverse stakeholders
- ✓ Apply ethical and confidentiality principles in healthcare data analysis

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Health Care Data Analysis - Intermediate Level

Course Outline

✓ DAY 01

Introduction to Health Care Data and Analytics

- ✓ Role of data analysis in healthcare organizations
- ✓ Types of healthcare data: clinical, operational, and financial
- ✓ Internal and external healthcare data sources
- ✓ Common challenges in healthcare data analysis
- ✓ Data-driven decision-making in healthcare
- ✓ Ethical considerations and data confidentiality

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Course Outline

✓ DAY 02

Data Quality, Preparation, and Understanding Metrics

- ✓ Importance of data quality and accuracy
- ✓ Common data quality issues in healthcare
- ✓ Cleaning and preparing healthcare datasets
- ✓ Understanding healthcare metrics and indicators
- ✓ Benchmarking and comparative analysis
- ✓ Interpreting trends and patterns

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Course Outline

✓ DAY 03

Analyzing Health Care Performance

- ✓ Analyzing patient flow and service utilization
- ✓ Quality and safety performance indicators
- ✓ Cost, revenue, and resource utilization analysis
- ✓ Identifying variation and inefficiencies
- ✓ Using data to support improvement initiatives
- ✓ Linking operational and clinical performance

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Course Outline

✓ DAY 04

Turning Data into Insights and Decisions

- ✓ Interpreting analytical results in context
- ✓ Identifying root causes and contributing factors
- ✓ Supporting management and clinical decisions with data
- ✓ Visualizing data for clarity and understanding
- ✓ Communicating findings to non-technical audiences
- ✓ Managing uncertainty and limitations in analysis

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Course Outline

✓ DAY 05

Applying Health Care Data Analysis in Practice

- ✓ Reviewing current data analysis practices
- ✓ Identifying priority areas for improvement
- ✓ Aligning analysis with organizational goals
- ✓ Strengthening collaboration between data and operational teams
- ✓ Developing practical data-driven improvement actions
- ✓ Monitoring outcomes and measuring impact
- ✓ Creating a personal healthcare analytics action plan

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
March 15, 2027	March 19, 2027	5 days	4250.00 \$	UAE , Dubai
May 24, 2027	May 28, 2027	5 days	4250.00 \$	UAE , Abu Dhabi
Aug. 16, 2027	Aug. 20, 2027	5 days	4250.00 \$	UAE , Abu Dhabi
Nov. 9, 2026	Nov. 13, 2026	5 days	4250.00 \$	UAE , Abu Dhabi

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