Medical Audit in Health Insurance

28 February – 4 March 2027
Cairo (Egypt)



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Introduction

Medical auditing is a vital component of effective health insurance management. It enables insurers and healthcare organisations to assess the medical necessity, appropriateness, quality, accuracy, and cost-effectiveness of healthcare services while maintaining a careful balance between financial control and quality patient care.

The Medical Audit in Health Insurance course provides participants with a comprehensive and practical understanding of medical auditing within the health insurance environment. It covers the complete audit cycle, including medical claims review, provider performance evaluation, coding and billing accuracy, utilisation management, medical necessity assessment, fraud detection, cost containment, and audit reporting.

Throughout the course, participants will examine common challenges faced by health insurers, such as inappropriate treatment, unnecessary procedures, overutilisation, inaccurate coding, duplicate billing, non-compliant claims, and potential fraud, waste, or abuse. They will learn how to apply structured audit methodologies, review clinical and financial documentation, evaluate provider compliance, and develop clear, evidence-based recommendations.

The programme combines technical knowledge with practical applications, enabling participants to strengthen claims accuracy, control unnecessary expenditure, improve provider performance, and support better decision-making across health insurance operations.

Course Objectives

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



- Understand the purpose, principles, and scope of medical auditing in health insurance.
- Explain the relationship between medical audit, claims management, healthcare quality, and cost control.
- Apply systematic methods for reviewing medical claims and healthcare records.
- Assess the medical necessity, appropriateness, and utilisation of healthcare services.
- Identify coding errors, billing discrepancies, duplicate claims, overutilisation, and potentially fraudulent activity.
- Evaluate healthcare provider performance and compliance with contractual and insurance requirements.
- Review medical records, invoices, prescriptions, laboratory results, and diagnostic reports effectively.
- Apply audit findings to improve claims accuracy and cost-containment practices.
- Develop clear, structured, and evidence-based medical audit reports.
- Use key performance indicators to measure audit effectiveness and operational performance.
- Recommend corrective actions that improve claims management and provider accountability.
- Support continuous improvement across health insurance operations.

Course Outlines

Day 1: Fundamentals of Medical Audit in Health Insurance

- Introduction to medical audit and its role in health insurance.
- Objectives, principles, and scope of medical auditing.
- The health insurance cycle: underwriting, utilisation, claims, and provider management.
- Roles and responsibilities of medical auditors, claims teams, and healthcare providers.
- Medical audit standards, policies, and procedures.
- Ethics, confidentiality, and professional responsibilities in medical auditing.
- Relationship between medical audit, quality of care, and financial sustainability.
- Common risks and challenges in health insurance claims management.

Day 2: Medical Claims Review and Medical Necessity

- Understanding the medical claims process and documentation requirements.
- Reviewing patient records, invoices, prescriptions, laboratory results, and diagnostic reports.
- Assessing medical necessity and appropriateness of treatment.
- Evaluating the relationship between diagnosis, treatment, and claimed services.
- Identifying unnecessary investigations, procedures, admissions, and treatments.
- Reviewing inpatient and outpatient claims.
- Detecting incomplete, inconsistent, or unsupported medical documentation.
- Practical approaches to claims review and decision-making.
- Developing defensible claims-review conclusions.

Day 3: Coding, Billing, Utilisation and Cost Control



- Introduction to medical coding and its importance in claims auditing.
- Understanding the relationship between coding, billing, and reimbursement.
- Identifying coding errors and incorrect charge classifications.
- Detecting upcoding, unbundling, duplicate billing, and unsupported charges.
- Reviewing patterns of inappropriate healthcare utilisation.
- Identifying overutilisation and unnecessary service delivery.
- Applying utilisation review techniques.
- Cost-containment strategies within health insurance.
- Balancing expenditure control with quality patient care.
- Case studies involving billing discrepancies and inappropriate claims.

Day 4: Fraud, Abuse and Provider Audit

- Understanding healthcare fraud, waste, and abuse.
- Differentiating between error, non-compliance, abuse, and intentional fraud.
- Identifying red flags and suspicious claims patterns.
- Recognising unusual billing, treatment, and utilisation behaviours.
- Provider profiling, monitoring, and performance evaluation.
- Reviewing provider contracts and compliance obligations.
- Conducting provider audits.
- Collecting and documenting audit evidence.
- Developing audit findings, conclusions, and corrective actions.
- Recommending measures to reduce fraud exposure and financial leakage.
- Strengthening provider accountability and monitoring arrangements.

Day 5: Medical Audit Reporting and Continuous Improvement

- Medical audit methodology: planning, sampling, reviewing, documenting, and reporting.
- Defining audit objectives, scope, and review criteria.
- Selecting appropriate claims and records for audit.
- Organising audit working papers and supporting evidence.
- Developing clear and professional medical audit reports.
- Presenting findings, conclusions, and recommendations.
- Key Performance Indicators for medical auditing.
- Measuring audit effectiveness and operational improvement.
- Using audit results for quality improvement and risk management.
- Applying audit findings to cost optimisation and claims improvement.
- Developing corrective-action plans.
- Building an effective medical audit framework.
- Establishing a continuous improvement plan for health insurance operations.

Why Attend This Course? Wins & Losses!

Wins

Participants who complete this course will gain:



- Practical knowledge of medical auditing within the health insurance sector.
- Stronger skills in reviewing claims, medical records, and healthcare documentation.
- Greater confidence in assessing medical necessity and treatment appropriateness.
- Improved ability to identify coding errors and billing discrepancies.
- Better understanding of fraud, waste, and abuse indicators.
- Enhanced provider monitoring and audit capabilities.
- Practical tools for improving claims accuracy and cost containment.
- Stronger ability to evaluate healthcare utilisation.
- Improved reporting and evidence-documentation skills.
- Greater confidence when communicating audit findings to medical, insurance, and management stakeholders.
- A structured approach to corrective actions and continuous improvement.
- Improved ability to support quality care while protecting financial sustainability.

Losses

Without effective medical auditing, organisations may face:

- Increased healthcare and claims costs.
- Payment of inappropriate or medically unnecessary claims.
- Higher exposure to fraud, waste, and abuse.
- Inaccurate claims processing and reimbursement.
- Coding and billing errors that remain undetected.
- Poor monitoring of healthcare provider performance.
- Weak control over healthcare utilisation.
- Financial leakage and avoidable losses.
- Reduced ability to enforce insurance policies and contractual requirements.
- Increased disputes between insurers, providers, and beneficiaries.
- Inconsistent audit decisions and weak documentation.
- Difficulty balancing healthcare quality with financial efficiency.

Conclusion

Effective medical auditing is far more than a mechanism for identifying errors. It is a strategic function that supports healthcare quality, cost control, provider accountability, regulatory compliance, and the long-term financial sustainability of health insurance programmes.

By applying structured audit methodologies, reviewing clinical and financial documentation, evaluating medical necessity, and using data-driven approaches, medical auditors can help organisations reduce unnecessary expenditure, strengthen claims accuracy, identify inappropriate practices, and improve provider performance.

This course equips participants with the practical knowledge and professional tools required to perform effective medical audits, develop evidence-based findings, communicate recommendations clearly, and support continuous improvement across health insurance operations.

Frequently Asked Questions



1. Who should attend this course?

This course is suitable for medical auditors, health insurance professionals, claims officers, medical reviewers, utilisation review specialists, healthcare administrators, provider-relations teams, compliance professionals, and individuals involved in healthcare cost management.

2. Is previous medical auditing experience required?

No. The course begins with the fundamental principles of medical auditing and progressively introduces more advanced concepts, practical applications, and audit techniques.

3. Does the course include practical examples?

Yes. The programme includes practical case studies, claims-review scenarios, provider-audit examples, and discussions of common medical, coding, and billing discrepancies.

4. Does the course cover healthcare fraud and abuse?

Yes. Participants will learn how to identify common indicators of fraud, waste, and abuse, as well as how structured audit procedures can support detection, prevention, and corrective action.

5. Will participants learn how to prepare medical audit reports?

Yes. The course covers the structure and key components of professional medical audit reports, including findings, supporting evidence, conclusions, risks, corrective actions, and recommendations.

6. How can medical auditing help health insurance companies?

Medical auditing can help insurers improve claims accuracy, reduce unnecessary expenditure, detect inappropriate practices, strengthen provider management, support compliance, and improve healthcare quality and cost efficiency.

7. What types of claims will be discussed during the course?

The course addresses different types of health insurance claims, including inpatient, outpatient, diagnostic, pharmaceutical, and procedure-related claims, depending on the practical examples used by the facilitator.

8. Does the course address provider performance?

Yes. Participants will learn how to profile, monitor, and evaluate healthcare providers based on claims patterns, contractual compliance, utilisation behaviour, documentation quality, and audit findings.

9. Will participants learn about coding and billing errors?

Yes. The programme covers coding inaccuracies, upcoding, unbundling, duplicate billing, unsupported charges, incorrect reimbursement, and other common billing discrepancies.

10. What practical skills will participants gain?



Participants will develop practical skills in claims review, medical necessity assessment, provider auditing, fraud detection, utilisation review, evidence documentation, audit reporting, cost control, and corrective-action planning.

