

AI Governance for Health Informatics Foundation Course

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Overview

AI Governance for Health Informatics Foundation Course is a one-week course for health informatics managers, clinical information teams, digital health personnel, data governance teams, quality analysts, and service improvement leaders, who leave with a Health Informatics AI Assurance Pack. Participants govern AI-supported health information workflows through data provenance and quality checks, terminology and interoperability oversight, interpretation boundaries, privacy, safety, human review, and monitoring. Agile Leaders Training Center provides training in AI governance for health informatics.

Who Should Attend

- Health informatics personnel responsible for information workflows, system use, and data stewardship
- Clinical information personnel responsible for records, terminology, handoffs, and information quality
- Digital health personnel responsible for implementing and monitoring technology-enabled services
- Data governance personnel responsible for provenance, access, privacy, retention, and accountable use
- Healthcare quality personnel responsible for safety indicators, incidents, corrective action, and assurance
- Service improvement personnel responsible for workflow performance, adoption, and operational controls

The course assumes participants can map health information workflows and review operational data, and it leaves out clinical diagnosis, model development, coding, model selection, and autonomous clinical decisions.

Departments and Industries

The course supports governed health information workflows across hospitals, clinics, laboratories, insurers, public health services, and digital health suppliers.

- Health informatics and clinical information
- Digital health and information technology
- Data governance and information security
- Quality, patient safety, and service improvement
- Health records and interoperability services
- Operations, risk, and internal assurance

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Learning Objectives

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

- Diagnose AI-supported health information use cases and boundaries
- Apply provenance, quality, terminology, and interoperability checks
- Analyze privacy, access, bias, safety, and interpretation risks
- Build human review, incident escalation, and accountability controls
- Evaluate implementation performance and monitoring evidence
- Build a health informatics AI assurance pack

Course Agenda

Day 1: Use Cases, Workflows, and Accountability

- Health Information AI Use-Case Canvas
- Clinical Information Workflow and Handoff Map
- Intended Use and Interpretation Boundary Statement
- Human Role and Accountability Matrix
- AI Governance Scope and Escalation Charter

Day 2: Provenance, Quality, and Interoperability

- Health Data Source and Provenance Register
- Data Quality Dimension and Exception Checklist
- Terminology Mapping and Usage Validation Log
- Interoperability Handoff and Transformation Map
- Missing, Conflicting, and Delayed Data Protocol

Day 3: Privacy, Access, Bias, and Safety

- Sensitive Health Information Classification Matrix
- Role-Based Access and Minimum-Data Checklist
- Bias and Population Impact Review Grid
- Output Safety and Misinterpretation Test
- Privacy, Security, and Integrity Control Register

Day 4: Review, Incidents, and Monitoring

- Human Review and Override Workflow
- AI Output Traceability and Decision Record
- Incident Identification and Escalation Route
- Performance, Drift, and Exception Dashboard
- Implementation Assurance and Corrective Action Plan

Day 5: Health Informatics Assurance Practice

- Suggested Exercise: Map an AI-Supported Information Workflow
- Suggested Exercise: Validate Provenance and Interoperability Handoffs
- Suggested Exercise: Test Privacy, Bias, and Safety Controls
- Suggested Exercise: Review an Incident and Monitoring Record
- Capstone Exercise: Health Informatics AI Assurance Pack

Practical Exercises

The course uses suggested activities that convert health information use cases into reviewable governance and assurance artifacts.

- Suggested activity: map intended use, workflow handoffs, interpretation boundaries, human roles, and escalation authority
- Suggested activity: register data sources, test quality, validate terminology, and inspect interoperability transformations and exceptions
- Suggested activity: classify sensitive information, review access, assess population impacts, and test output safety
- Suggested activity: document review and override, record an incident, monitor exceptions, and plan corrective action

FAQs

Who suits AI governance for health informatics, and what does the course assume?

AI governance for health informatics suits informatics, clinical information, digital health, data governance, quality, and service improvement personnel. The course assumes experience mapping information workflows and reviewing operational health data.

How does AI governance for health informatics differ from healthcare AI model validation?

AI governance for health informatics controls operational information use, provenance, terminology, handoffs, access, human review, incidents, and monitoring, while model validation examines technical performance, datasets, metrics, and fitness for a defined model purpose.

How should teams govern data quality in AI-supported health informatics?

Teams should record source and provenance, define quality dimensions, detect missing or conflicting data, verify terminology mappings, inspect transformations, document exceptions, and assign accountable owners for correction and approval.

How can health informatics teams prevent AI output misinterpretation?

Teams can define intended use and prohibited use, state interpretation limits, present source and uncertainty information, test foreseeable misuse, require role-appropriate human review, provide override routes, and monitor incidents and exceptions.

What belongs in a Health Informatics AI Assurance Pack?

The pack should contain the use-case canvas, workflow map, provenance register, quality checks, terminology validation, interoperability map, access controls, bias and safety review, human review record, incident route, monitoring dashboard, and corrective action plan.

Conclusion

Participants take back a Health Informatics AI Assurance Pack linking use cases, workflows, data, terminology, interoperability, privacy, safety, review, incidents, monitoring, and corrective action. It changes how informatics teams move from informal adoption to traceable operational governance. The pack supports accountable information use, visible boundaries, reliable evidence, and continued oversight.

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