

AIHQSP Examination Blueprint

Artificial Intelligence in Healthcare Quality & Safety Professional (AIHQSP)

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01 Certification Purpose

The Artificial Intelligence in Healthcare Quality & Safety Professional (AIHQSP) certification validates the knowledge and competencies required to safely design, implement, oversee, and continuously improve artificial intelligence systems used in healthcare delivery environments.

The certification focuses on risk management, clinical governance, patient safety, ethical AI deployment, regulatory compliance, and quality improvement of AI-enabled healthcare systems.

The AIHQSP certification supports healthcare professionals responsible for ensuring that artificial intelligence technologies are deployed safely, ethically, and effectively within healthcare organizations.

The certification aligns with the mission of the Global Institute for Healthcare Quality & Safety (GIHQS) to advance healthcare quality and patient safety through professional certification, education, and accreditation of programs that strengthen high-reliability healthcare systems and promote responsible use of artificial intelligence in healthcare.

The AIHQSP certification is designed for professionals responsible for the safe, ethical, and effective governance of AI technologies in healthcare — from implementation through continuous quality improvement.

02 Certification Development

The AIHQSP certification framework, Examination Blueprint, and Exam Content Outline (ECO) were developed with input from professionals working in healthcare quality, patient safety, digital health, clinical informatics, healthcare governance, and artificial intelligence oversight.

The certification domains reflect competencies required to support the safe implementation, governance, monitoring, and continuous improvement of artificial intelligence systems used in healthcare delivery.

Development activities included structured review of professional practice areas, stakeholder engagement, and alignment with established healthcare quality, patient safety, and AI governance frameworks.

GIHQS periodically reviews certification frameworks to ensure continued alignment with evolving healthcare technologies, regulatory expectations, and emerging patient safety practices.

03 Examination Overview

The AIHQSP examination evaluates professional knowledge required to safely design, implement, monitor, and govern artificial intelligence systems used in healthcare delivery environments. The examination emphasizes practical risk management, governance structures, patient safety considerations, and continuous quality improvement of AI-enabled healthcare systems.

Certification	Artificial Intelligence in Healthcare Quality & Safety Professional (AIHQSP)
Exam Format	Multiple-choice examination
Number of Questions	150 scored questions
Time Allowed	3 hours (180 minutes)
Question Format	Four-option multiple-choice questions, one correct response per question
Examination Delivery	Online proctored examination using secure examination technology with monitoring mechanisms designed to protect examination integrity
Scoring Method	Scaled scoring system ranging from 200 to 800
Minimum Passing Score	600

04 Job Task Analysis

The AIHQSP certification domains are informed by professional practice areas involved in the oversight, governance, safety management, and quality improvement of artificial intelligence technologies used in healthcare environments.

The domains reflect competencies required for professionals responsible for evaluating AI systems, managing associated risks, ensuring regulatory compliance, and supporting patient safety in clinical environments.

The examination domains represent key knowledge areas and professional responsibilities relevant to healthcare leaders, patient safety professionals, digital health specialists, clinical informaticists, healthcare regulators, and quality improvement professionals involved in the implementation and oversight of artificial intelligence in healthcare.

The Job Task Analysis process identified the professional activities, responsibilities, and competencies required for individuals operating in AI governance and oversight roles — forming the evidence base for the domain structure and examination content reflected in this Blueprint.

05 Examination Domains

The AIHQSP examination is organized into twelve domains. Each domain represents a major area of professional competence required for the safe and effective governance of artificial intelligence technologies in healthcare. The table below presents the twelve domains and their relative weighting within the examination.

#	Domain	Exam Weight
01	Clinical AI Safety Science	10%
02	Algorithmic Accountability & Clinical Governance	10%
03	Human–AI Teaming & Cognitive Safety	8%
04	Data Integrity, Bias & Representational Fairness	8%
05	Real-World Validation & Post-Deployment Surveillance	8%
06	AI-Enabled Diagnostic & Therapeutic Risk Management	10%
07	Regulatory, Legal & Ethical Risk in AI-Driven Care	10%

08	Patient-Centered Transparency & Trust Design	8%
09	Incident Investigation & Learning Systems	8%
10	Workflow Integration & Clinical Process Safety	7%
11	Continuous Quality Improvement for AI Systems	7%
12	Organizational AI Readiness & Safety Culture	6%
	Total	100%

Domain weights reflect the relative emphasis of each area within the AIHQSP examination. Candidates should prioritize preparation in higher-weighted domains while ensuring broad familiarity across all twelve competency areas.

06 How Candidates Should Use This Blueprint

The Examination Blueprint provides candidates with a structured overview of the AIHQSP examination domains and their relative weighting. Candidates preparing for the AIHQSP certification examination should use this blueprint to understand the emphasis placed on each domain and to prioritize preparation accordingly.

Candidates are encouraged to:

- Review all twelve domains and their associated weightings to understand the scope of the examination
- Allocate preparation time proportionally, with greater focus on higher-weighted domains
- Use the AIHQSP Study Guide and Exam Content Outline (ECO) to understand the specific knowledge areas and tasks assessed within each domain
- Supplement preparation with professional experience, current healthcare AI governance literature, and relevant regulatory frameworks
- Complete available AIHQSP practice examinations to assess readiness and identify areas for further study

The AIHQSP Study Guide, practice examinations, and other preparation materials are aligned with these domains to support structured, systematic examination preparation. Candidates are encouraged to review the Exam Content Outline (ECO) for detailed descriptions of the knowledge areas and professional tasks assessed within each domain.