

GLOSSARY OF TECHNICAL TERMS

“AI”	artificial intelligence, technology that simulates human intelligence in machines
“big data”	a term for extremely large data sets analyzed computationally to reveal patterns and trends
“CAGR”	compound annual growth rate
“clinical decision support”	a set of AI tools that assist healthcare providers in making clinical decisions
“cloud-native”	an approach to building and running applications that leverages cloud computing environments
“DIP”	diagnosis-intervention packet, a data-driven healthcare payment model that clusters diagnosis and treatment combinations using real-world hospital data
“DRG”	diagnosis related groups, a classification system that groups hospital cases into categories based on diagnosis, treatment, and resource usage
“EMR”	electronic medical record, a digital version of a patient’s paper chart
“ERP”	enterprise resource planning
“FVPL”	fair value through profit or loss
“HIS”	hospital information system
“HR”	hospital resource system, a digital infrastructure used to manage and coordinate core hospital assets
“ICD-10”	International Classification of Diseases, 10th Revision, a global health care classification system
“IP”	intellectual property
“knowledge graph”	a network of real-world entities and their relationships, used for data integration and reasoning
“KPI”	key performance indicator
“L1”	data intelligence level, where AI provides data insights and analysis
“L2”	intelligent assistance level, where AI offers decision-support recommendations
“L3”	conditional autonomy level, where AI completes specific tasks during workflows
“L4”	full automation level, where AI performs end-to-end workflows
“large hospital”	hospital with 500 beds or more
“LIS”	laboratory information system, a system for managing laboratory data and processes
“LLM”	large language model, AI models trained on large datasets for language understanding and generation
“MapC algorithm”	an algorithm for matching natural medical expressions and standardized concepts
“MCP protocol”	a standardized model communication protocol for AI model integration and development
“medRxiv”	a preprint server for health sciences
“MENA”	Middle East and North Africa
“model hub”	a centralized platform for managing AI models

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“NLP”	natural language processing
“PACS”	picture archiving and communication system, a medical imaging technology that stores, retrieves, and shares digital images
“PDCA”	plan-do-check-act
“PRC GAAP”	Generally Accepted Accounting Principles in China, a set of accounting standards in China
“R&D”	research and development
“RAG”	retrieval-augmented generation, a technique to improve LLM performance with external knowledge
“reinforcement learning”	a machine learning technique in which agents learn by trial and error
“RWS”	real-world studies, a research approach that uses data collected from routine clinical practice
“semantic retrieval”	an AI technique for retrieving information based on meaning and context
“vector-based retrieval”	an information retrieval approach using vector representations of data
“VTE”	venous thromboembolism, a serious medical condition involving blood clots that form in the veins