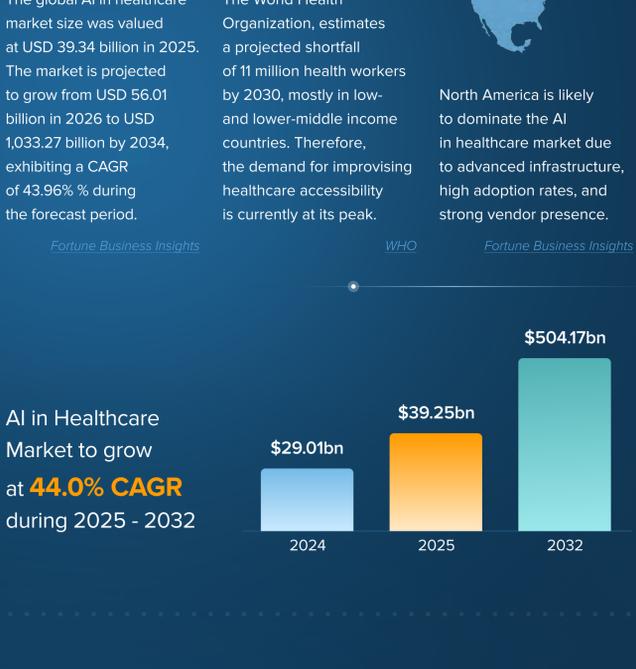


AI IN HEALTHCARE 2026: The Intelligent Care Revolution

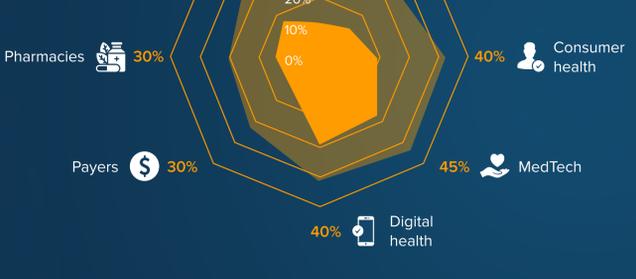
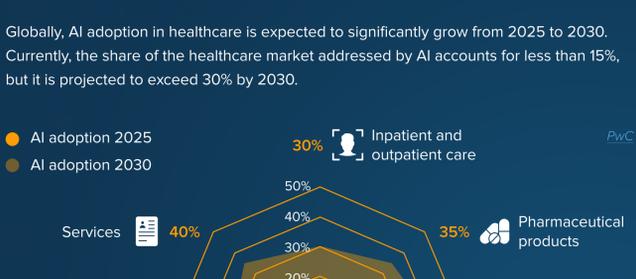


AI Adoption in Healthcare

In 2025, 22% of U.S. healthcare organizations have already implemented domain-specific AI tools, a 7x increase over 2024 and 10x over 2023. *Forbes*

Healthcare organizations believe in AI's potential and are actively developing an AI strategy and investing heavily

Bessemer Venture Partners



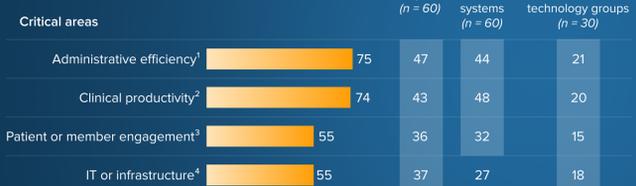
Globally, AI adoption in healthcare is expected to significantly grow from 2025 to 2030. Currently, the share of the healthcare market addressed by AI accounts for less than 15%, but it is projected to exceed 30% by 2030.



AI in Healthcare Use Cases

The top ways clinicians are currently using or would like to use AI include:

Elsevier



Generative AI may create tremendous value in areas that could fundamentally improve patient experience and streamline operations to generate cost savings.

GenAI could help most with administrative efficiencies, clinical productivity, and patient or member engagement

McKinsey

Areas of greatest potential, by subsector, Q4 2024, % of respondents (n = 150)

Number of respondents by organizational type: ● Half or more respondents

Critical areas	Overall (%)	Payers (n = 60)	Health systems (n = 60)	Health services and technology groups (n = 30)
Administrative efficiency ¹	75	47	44	21
Clinical productivity ²	74	43	48	20
Patient or member engagement ³	55	36	32	15
IT or infrastructure ⁴	55	37	27	18
Quality of care ⁵	51	25	35	17
Research and education ⁶	41	22	23	17
Strategy and growth ⁷	25	14	15	9
Other	5	2	5	1

Other Use Cases:

- Clinical Intelligence**
 - Medical imaging & diagnostics
 - Early disease prediction
 - Personalized treatment recommendations
- Operations & Administration**
 - Automated clinical documentation
 - Billing & revenue cycle optimization
 - Smart scheduling & capacity planning
- Patient Care & Engagement**
 - Virtual health assistants & triage
 - Remote patient monitoring
 - Personalized care & adherence support
- Life Sciences & Research**
 - AI-driven drug discovery
 - Clinical trial optimization
 - Genomic & biomarker analysis
- Population & Public Health**
 - Outbreak prediction & surveillance
 - Resource allocation & workforce planning
 - Health equity analytics
- Data & Platform AI**
 - Real-time clinical decision support
 - Privacy-preserving AI (federated learning)
 - EHR & data platform integration

Economic and Clinical Impact of AI:

Dialog Health



A majority of survey respondents who have implemented GenAI solutions have seen a positive ROI

McKinsey



Key Risks of AI to Consider

- Data Privacy & Security**
 - Sensitive patient data exposure
 - Regulatory non-compliance (HIPAA, GDPR, EU AI Act)
- Bias & Fairness**
 - Biased training data leading to unequal care
 - Poor performance across patient groups
- Model Accuracy & Trust**
 - False positives / negatives in clinical decisions
 - Limited explainability for clinicians
- Integration Complexity**
 - Legacy systems and EHR integration challenges
 - Workflow disruption
- Adoption & Change Management**
 - Clinician resistance
 - Lack of training and trust in AI outputs
- Regulatory & Legal Risk**
 - Unclear liability in AI-assisted decisions
 - Evolving healthcare AI regulations

Steps to Implement AI in Healthcare

- Start with a High-Value Use Case**
 - Clear clinical or operational ROI
 - Well-defined success metrics
- Ensure Data Readiness**
 - High-quality, representative datasets
 - Secure data governance & access controls
- Choose the Right AI Approach**
 - ML, GenAI, or hybrid
 - Build vs buy vs customize
- Pilot & Validate**
 - Run controlled PoCs
 - Measure accuracy, bias, and safety
- Integrate into Clinical Workflows**
 - EHR integration (FHIR / HL7)
 - Human-in-the-loop decision support
- Address Compliance & Ethics**
 - Privacy-by-design
 - Explainability & auditability
- Train Users & Drive Adoption**
 - Clinician training & feedback loops
 - Clear AI usage guidelines
- Monitor & Improve Continuously**
 - Performance drift monitoring
 - Ongoing model retraining & evaluation

AI in healthcare is shifting from experimental technology to core infrastructure powering clinical, operational, and patient-centric transformation.