

# Key Medical AI Challenges



## Data Privacy

HIPAA compliance, patient data protection, secure data handling and storage

Critical Risk



## Medical Errors

Hallucinations, incorrect diagnoses, liability concerns, patient safety

High Risk



## Regulatory Approval

FDA clearance process, clinical validation, compliance documentation

High Complexity



## Explainability

Model interpretability, decision transparency, clinical reasoning clarity

Medium Risk



## Bias & Fairness

Demographic bias, training data representation, equitable healthcare access

High Risk



## Implementation Cost

Infrastructure investment, training costs, maintenance and updates

Medium Complexity