

Policy Guideline for Ethical AI Use in Healthcare

Purpose

To ensure the ethical deployment and operation of Artificial Intelligence (AI) systems in healthcare settings, protecting patient rights, promoting fairness, and fostering trust.

Patient Consent Protocols

- Informed Consent: Patients must be clearly informed when AI is involved in diagnosis, treatment, or health management. Information should include the role of the AI system, potential risks and limitations, and the option to opt out.
- Data Use Transparency: Patients must be notified and must consent before their health data is used for AI training, validation, or research.
- Ongoing Consent: Consent should be revalidated when AI systems are updated or retrained.

Bias Mitigation Strategies

- Diverse Data Sources: Train AI on representative datasets to prevent skewed outcomes.
- Bias Audits: Regular fairness audits should be conducted using demographic and statistical metrics.
- Human Oversight: Final decisions should include human review, especially in critical cases.

Transparency Requirements

- Explainability: AI systems should provide clear, interpretable explanations for outputs.
- Documentation: Capabilities, training data sources, limitations, and risks must be recorded and accessible.
- Accountability: Designate personnel for AI oversight, incident response, and monitoring.

Compliance & Review

This policy must align with national health regulations (e.g., HIPAA, GDPR, Kenya Data Protection Act) and be reviewed annually to adapt to emerging challenges and technologies.