

# Test Document: AI in Healthcare

Artificial Intelligence is revolutionizing healthcare delivery.

## Key Applications:

1. Predictive Analytics: AI algorithms analyze patient data to predict disease onset and progression, enabling early intervention.
2. Medical Imaging: Deep learning models can detect abnormalities in X-rays, MRIs, and CT scans with high accuracy.
3. Drug Discovery: AI accelerates the identification of new drug candidates by analyzing molecular structures and interactions.

## Challenges:

- Data privacy and security concerns
- Need for interpretable AI models
- Integration with existing healthcare systems

The future of healthcare will be shaped by the responsible implementation of AI technologies.