

Beneficence & Non-maleficence: Balancing Benefits and Harms



Maximizing Benefits

- **Improved Diagnostic Accuracy**

Early detection and precise diagnosis with AI

- **Enhanced Treatment Outcomes**

Personalized treatment planning

- **Expanded Healthcare Access**

Telemedicine and automated support

- **Reduced Clinician Burden**

Automation of repetitive tasks



Minimizing Harms

- **Prevention of Misdiagnosis**

Minimizing False Positives/Negatives

- **Adverse Effect Prevention**

Drug interaction checking

- **Prevention of Overtreatment**

Reducing unnecessary tests/procedures

- **Privacy Protection**

Enhanced data security



Risk-Benefit Matrix

Benefit →

<p>Actively Implement ✓ High Benefit / Low Risk</p>	<p>Careful Management ✅ (Strict Monitoring & Safeguards Required) High Benefit / High Risk</p>
<p>Careful Review ? Low Benefit / Low Risk</p>	<p>Prohibit Use X (Risk Too High Relative to Benefit) Low Benefit / High Risk</p>

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