Bonus Task

Policy Proposal: Draft a 1-page guideline for *ethical AI use in healthcare*. Include:

Patient consent protocols.

Bias mitigation strategies.

Transparency requirements.

Purpose

In order to guarantee patient trust, data integrity, and fair results, this policy specifies ethical guidelines for the creation and application of AI systems in healthcare.

1. Patient Consent Protocols

Required Informed Consent

Patients must give their express, informed consent before using AI tools on them.

Patients need to comprehend:

What the AI system does (e.g., scheduling, predictions, diagnosis support).

What information it uses and how it is kept.

Their freedom to refuse care without sacrificing treatment.

By default, opt-in:

AI-assisted services require active patient consent. No implied consent or pre-checked boxes.

Accessibility and Language

Accessible formats (such as audio and visual) and plain language and local languages must be provided for consent materials.

2. Bias Mitigation Strategies

Typical Information

Use a variety of datasets that reflect age, gender, race, location, and socioeconomic status to train AI models.

Frequent Audits of Fairness

Perform regular assessments of fairness and bias (e.g., equal error rates across groups).

To identify and address bias, use tools such as IBM AI Fairness 360.

Inclusive Design Teams:

During development and testing, involve multidisciplinary teams comprising community members, clinicians, and ethicists.

3. Transparency Requirements

Intelligible AI Results

Systems must give explicit explanations for their choices, such as the reasons behind an alert or diagnosis.

When making important decisions, steer clear of "black-box" models whenever you can.

Logging and Auditability

For clinical accountability and regulatory review, every AI decision needs to be recorded and auditable.

Disclosure to the Public

Publish concise, understandable summaries of:

Which AI tools are being used?

What information they use.

Performance and known limitations vary by population.