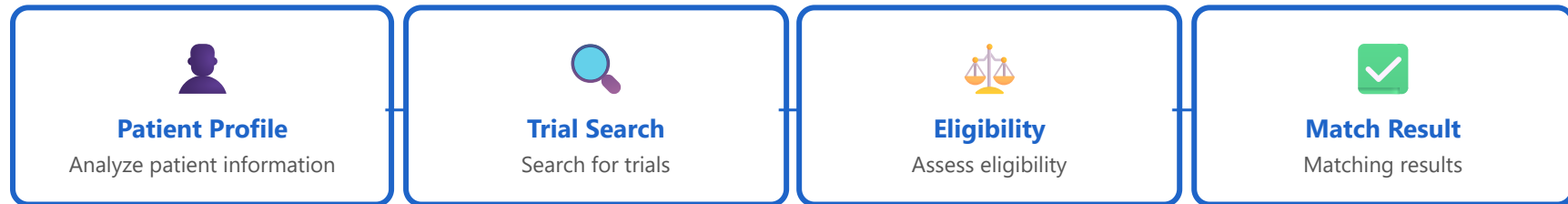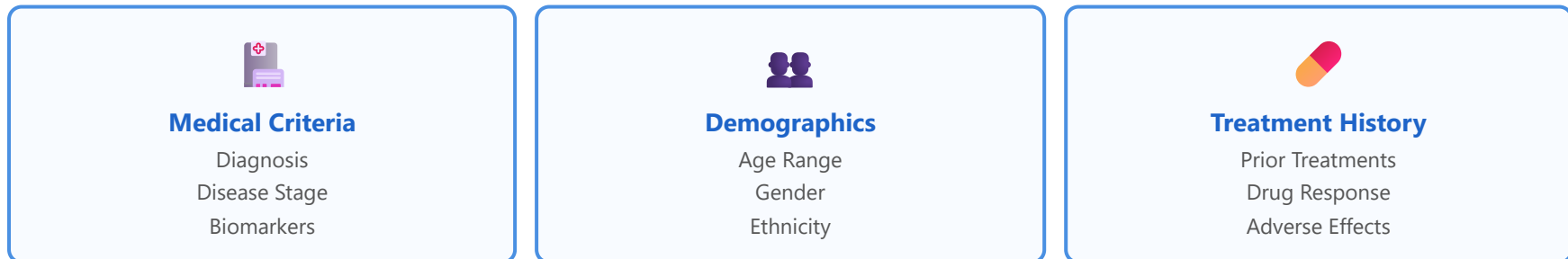# Clinical Trial Matching

Connecting Patients with Appropriate Clinical Trials

Learn about the core concepts of **Clinical Trial Matching** and its application in medical data science.

Matching Process

👤 **Patient Profile**	🔍 **Trial Search**	⚖️ **Eligibility**	✅ **Match Result**
Analyze patient information	Search for trials	Assess eligibility	Matching results

Matching Criteria

🏥 **Medical Criteria**	👥 **Demographics**	💊 **Treatment History**
Diagnosis	Age Range	Prior Treatments
Disease Stage	Gender	Drug Response
Biomarkers	Ethnicity	Adverse Effects

💡 What is Clinical Trial Matching?

Clinical trial matching is a system that automatically identifies eligible clinical trials for patients by analyzing their medical information. It extracts data such as diagnosis, disease stage, and biomarkers from patient profiles, then compares this information against the inclusion and exclusion criteria of clinical trials to recommend suitable trials. Medical data science technologies enable efficient and accurate matching throughout this process.

Through a data science approach, the most appropriate options for patients can be quickly identified from thousands of clinical trials, which helps expand treatment opportunities for patients and increase participation rates in clinical trials.