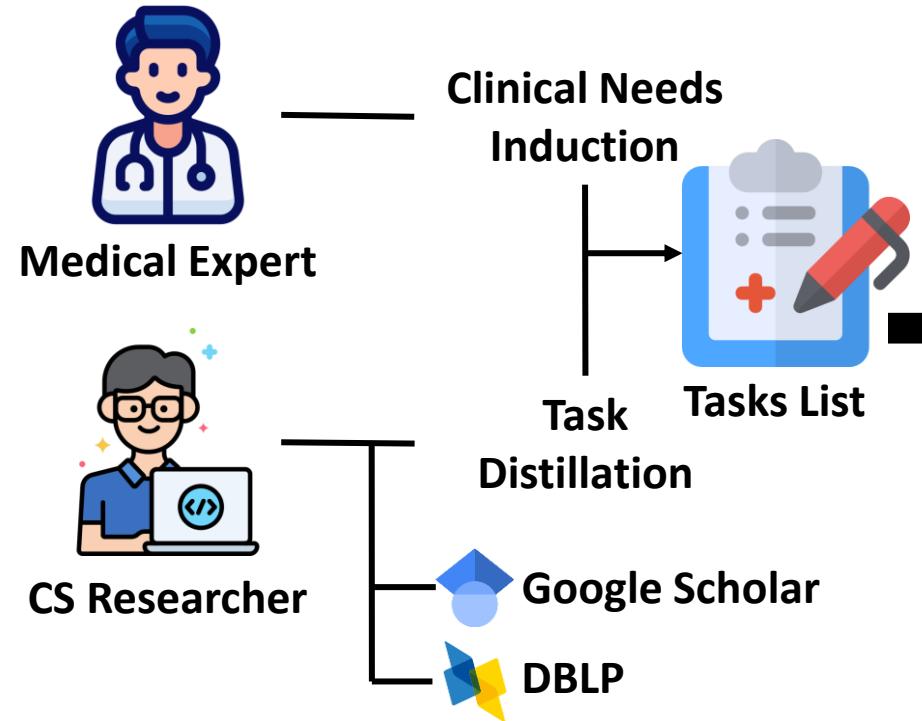
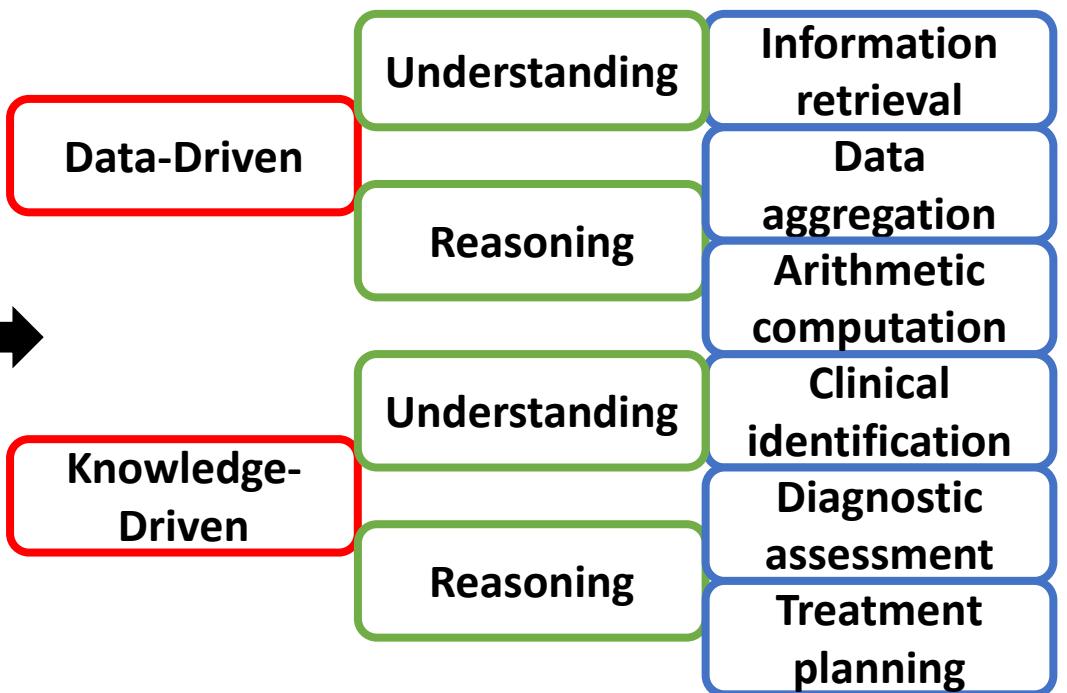


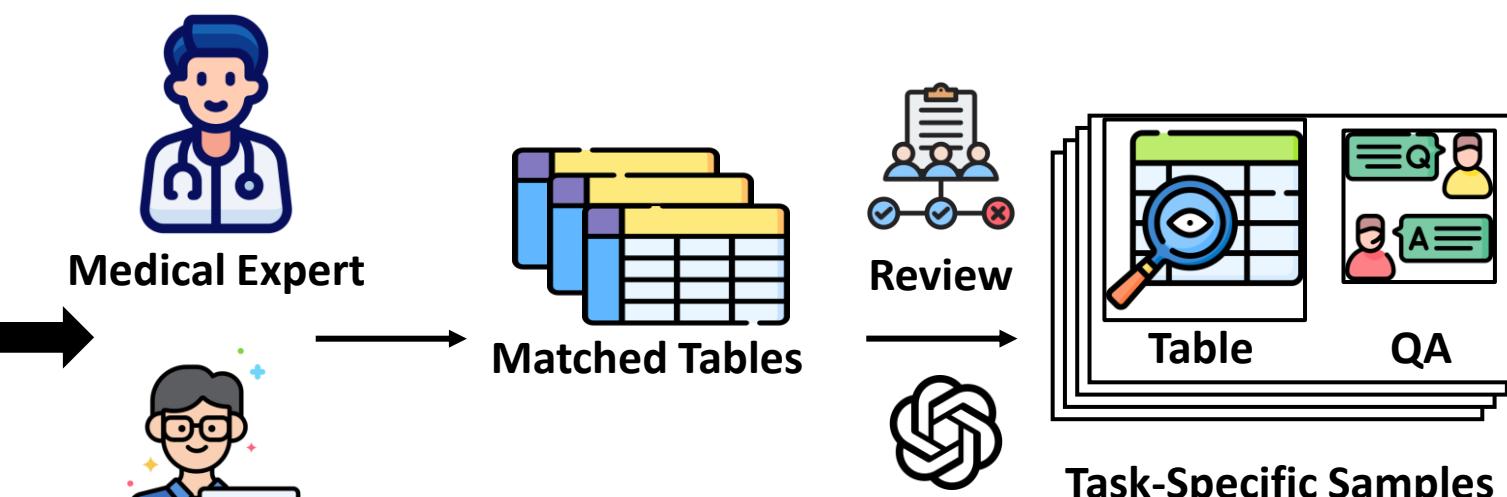
(1) Task Synthesis



(2) Task Taxonomy Construction



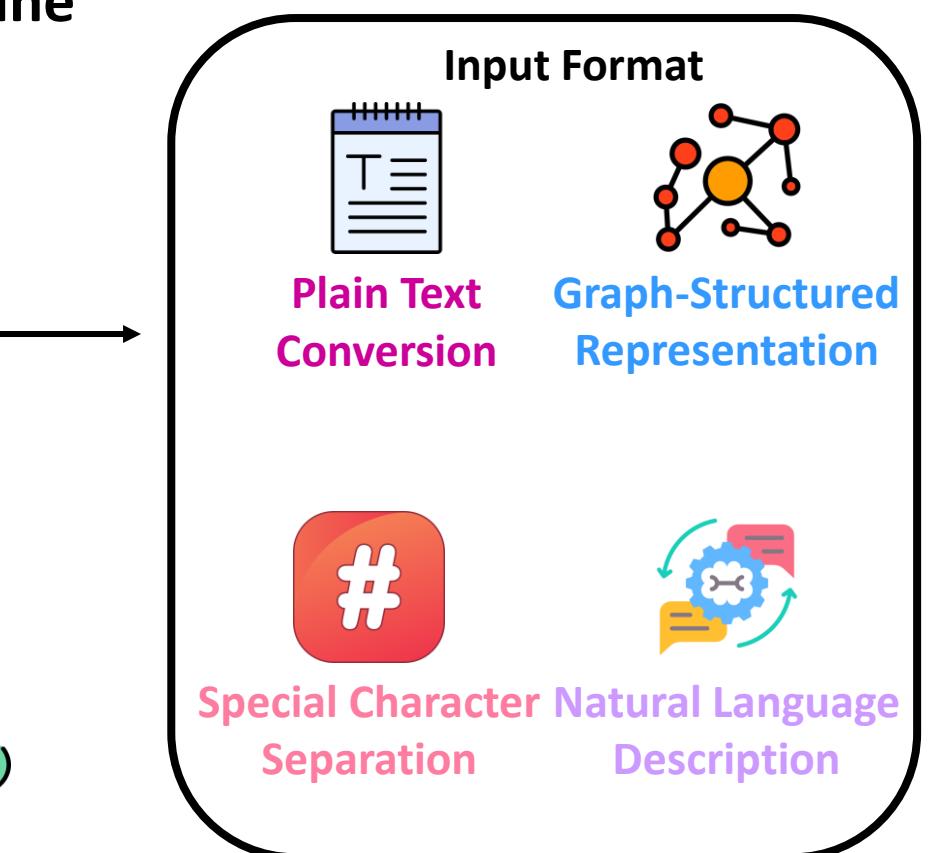
(3) Task-Specific Samples Extraction



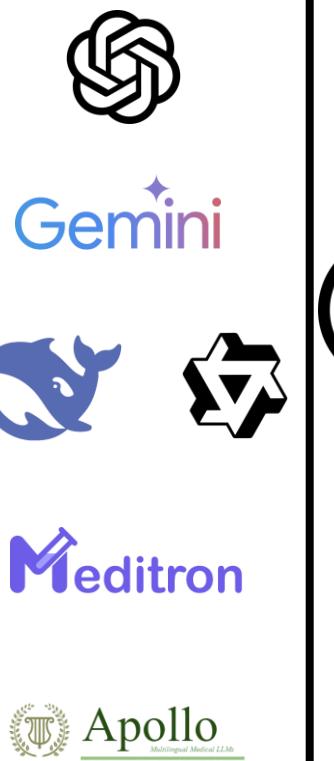
(4) EHRStruct Benchmarking Pipeline

Patient ID	Symptom	Test Result
001	Chest pain	ECG: ST ↑
001	Cough	CRP: High
001	Weakness	Hb: Low
001	Palpitations	ECG: Irreg
001	Weight loss	CEA: ↑

Q : Does patient 001 appear to be at risk of life-threatening conditions?



Base LLMs

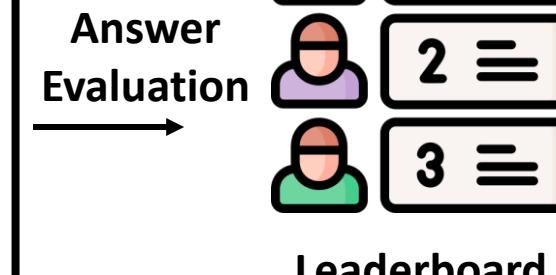


Few-shot Prompting

or
LLM-based enhancement methods

or
Finetuning

or
EHRMaster



Plain Text Conversion

Patient ID Age Symptom Test Result
001 Chest pain ECG: ST ↑
001 Cough CRP: High
001 Weakness Hb: Low ...

Special Character Separation

```
\begin{tabular}{|c|c|l|l|l|l|}
\textbf{Patient ID} & \textbf{Age} & \textbf{Symptom} & \textbf{Test Result} \\
001 & Chest pain & ECG: ST ↑ & \\
001 & Cough & CRP: High & \\
001 & Weakness & Hb: Low ... &
\end{tabular}
```

Graph-Structured Representation

Hyperedge 1: {Patient ID:001, Symptom:Chest pain, Test Result:ECG: ST ↑}
 Hyperedge 2: {Patient ID:001, Symptom:Cough, Test Result:CRP: High}...

Natural Language Description

Patient 001 presented with multiple symptoms and corresponding abnormal test results. The patient reported chest pain, which was accompanied by ECG...