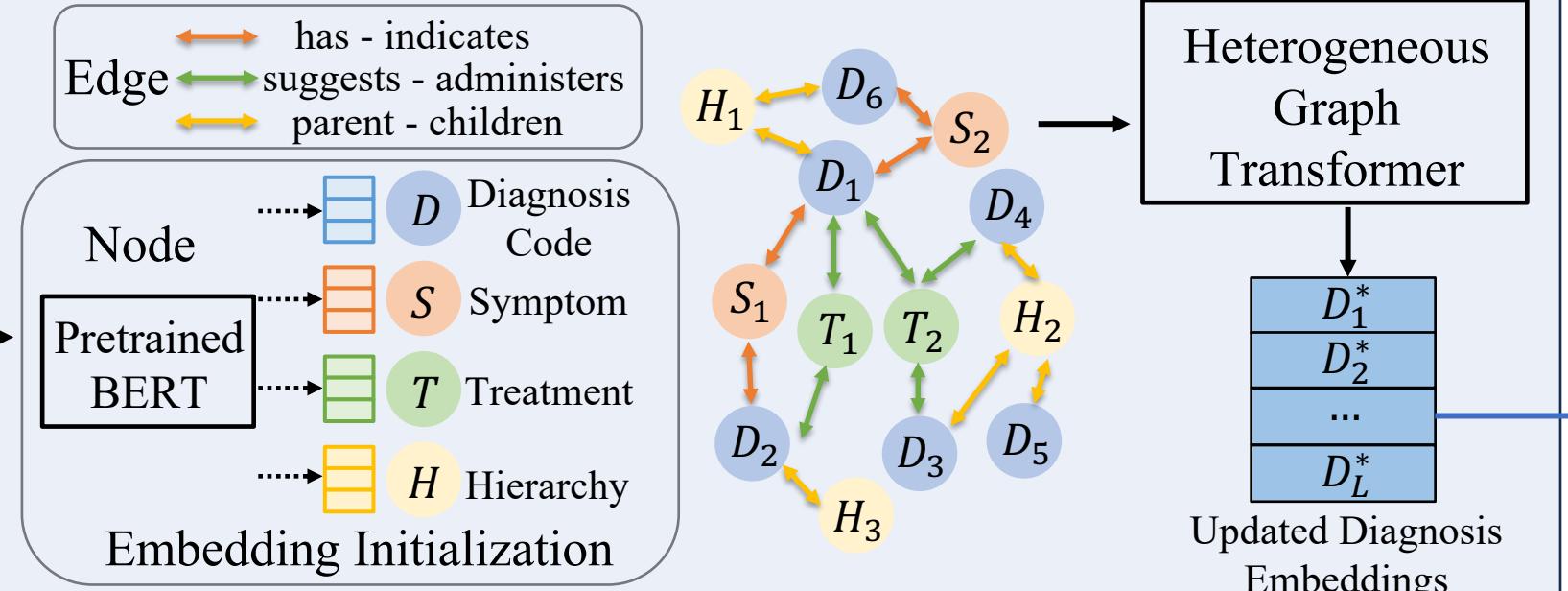


Graph Branch

Knowledge Graph Construction (Figure 2)



Text Branch

Electronic Patient Record

Patient ID 2023_01

Age 23

Gender F

Narrative a female patient sitting on couch, fully clothed, no bleeding, SOB...

Diagnosis protocol airway – failed

Text Preprocessing (punctuation and stopword removal)

Long Document Encoder

E_{Doc}
female
patient
...
bleeding
sob

Heterogeneous Label-wise Attention

