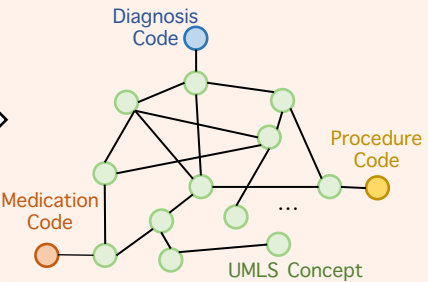


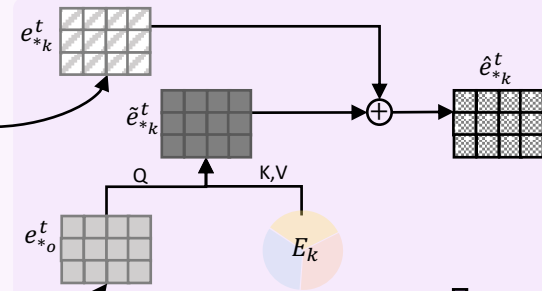
### (a) Knowledge Graph Aggregation



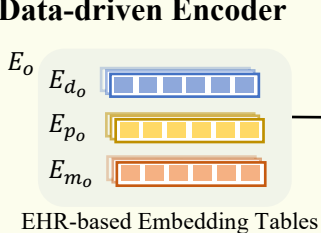
Intent-based path

Knowledge-based  
Embedding Tables

### (c) Knowledge-driven Injection



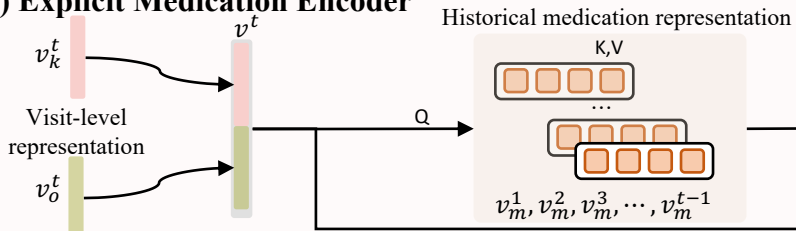
### (b) Data-driven Encoder



EHR-based Embedding Tables

EHR-based representation

### (d) Explicit Medication Encoder



Historical medication representation

$\tilde{v}^t$

$\hat{v}^t$

Output layer

$\hat{y}^t$

Ground truth

$m^t$

Threshold  $\eta$

$\hat{m}^t$

$\mathcal{L}_{bce}$