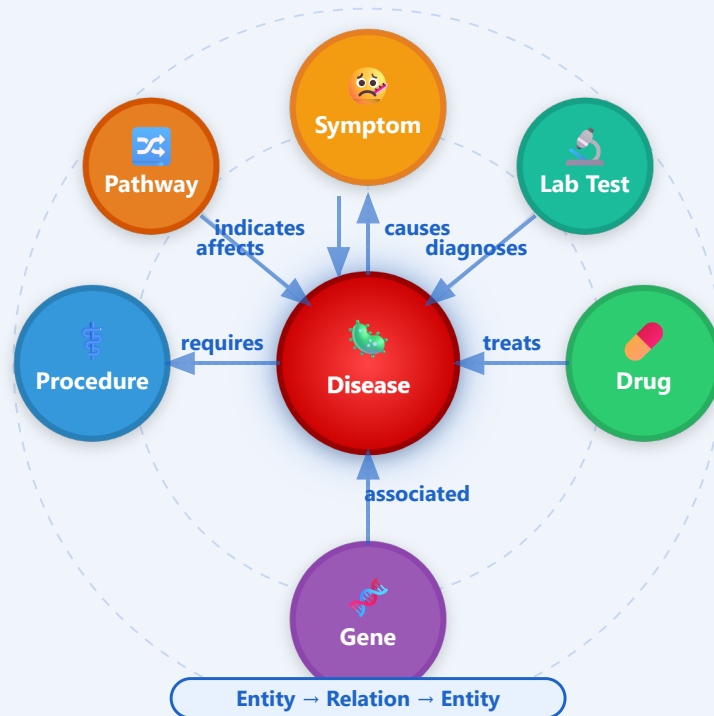# Medical Knowledge Graph Integration

2.8M
UMLS Concepts

15M+
Relationships

🔧 **Graph Embedding**

TransE, TransR relations

Node2Vec embeddings

Graph Attention Networks

Knowledge Graph Embeddings

🔗 **LLM Integration**

RAG	K-Prompting
Graph Reasoning	Entity Linking
Hybrid Retrieval	Normalization

Diagram labels:

- Pathway
- Symptom
- Lab Test
- Procedure
- Disease
- Drug
- Gene

Relations:
- indicates
- affects
- causes
- diagnoses
- requires
- treats
- associated

Entity → Relation → Entity