

PROTOCOL GUIDE

49K
chunks

2.7K
agencies

51
states

1536
dims

THE FLOW →

Query



Voyage
embed



pgvector
search



Claude
RAG



Answer

FRONTEND

- React Native + Expo
- iOS / Android / Web
- Voice input
- Offline cache (50)
- County picker

BACKEND ⚙

- Node + tRPC
- search.semantic
- query.submit
- voice.transcribe

Tiered LLM:

Free = Haiku

Pro = Sonnet

DATABASES

- TiDB (MySQL)
- protocolChunks
- counties (2713)
- users, queries

Supabase (Postgres)

- manus_protocol_chunks
- pgvector search
- search_manus_protocols()

LA COUNTY #240009

814 Death	817 HERT
1210 Cardiac	1242 Crush
1335 Needle	1200.3 Impressions

AI

- Voyage AI
- voyage-large-2
- 1536 dimensions
- medical optimized

Claude

- Haiku (free)
- Sonnet (pro)
- retrieval-only!

KEY FILES

- routers.ts
- embeddings.ts
- schema.ts
- db.ts

Scripts:

- fix-la-county-protocols
- generate-embeddings
- verify-protocols

hybrid search: keyword match → embedding → cosine similarity → top K → Claude RAG → citations