Data Sensitivity & AI Development Framework
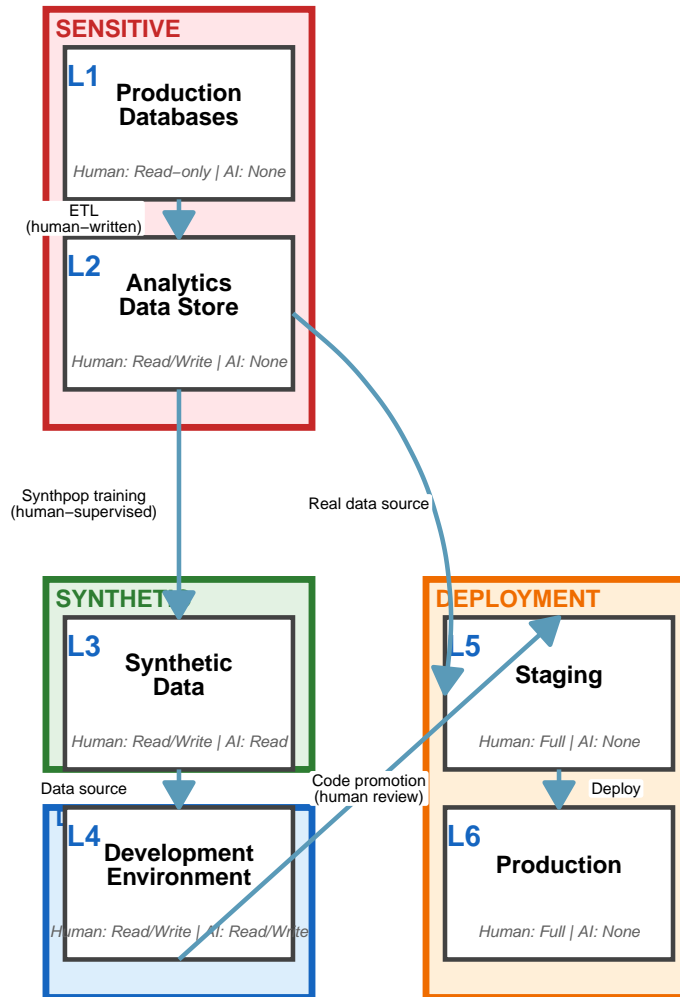
6–layer architecture for protecting patient data while enabling AI–assisted development

SENSITIVE

L1 **Production Databases**

Human: Read–only | AI: None

ETL
(human–written)

L2 **Analytics Data Store**

Human: Read/Write | AI: None

Synthpop training
(human–supervised)

Real data source

SYNTHET...

L3 **Synthetic Data**

Human: Read/Write | AI: Read

DEPLOYMENT

L5 **Staging**

Human: Full | AI: None

Data source

Code promotion
(human review)

Deploy

L4 **Development Environment**

Human: Read/Write | AI: Read/Write

L6 **Production**

Human: Full | AI: None

AI never sees patient data | Humans control the boundaries