

## Comprehensive Patient History Processing

### Longitudinal Data

- Multi-year patient records
- Temporal disease progression
- Treatment response tracking

### Data Modalities

- Clinical notes (text)
- Lab results (structured)
- Imaging reports
- Medication history

### Timeline Analysis

- Chronological event ordering
- Causal relationship inference
- Trend detection

### Use Cases

- Chronic disease management
- Adverse event prediction
- Personalized treatment planning



### Holistic View

Processing complete patient histories enables detection of subtle patterns and correlations that span years, improving diagnostic accuracy by 20-30% over snapshot-based approaches.