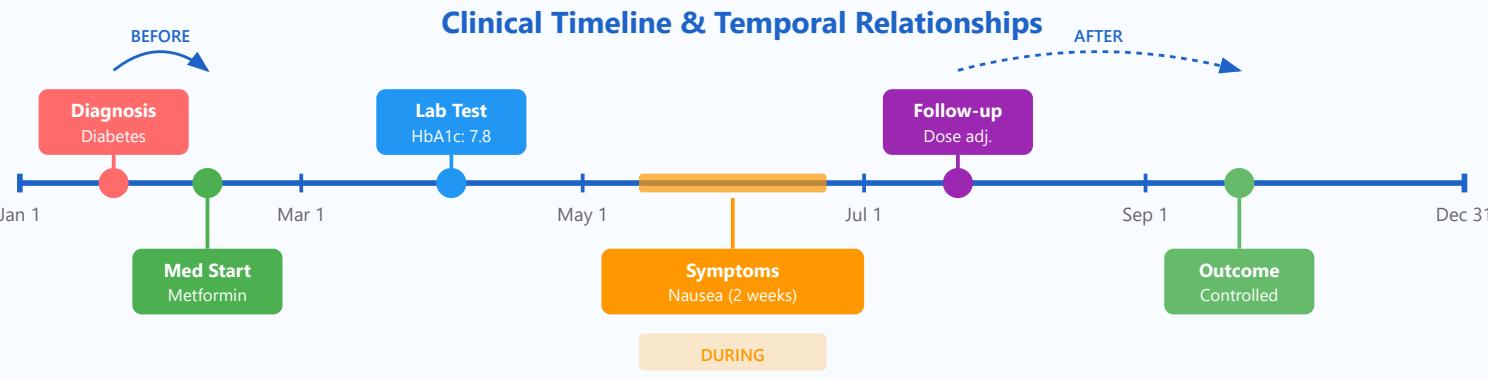


Temporal Reasoning



Time Expressions

- Absolute dates (Jan 1, 2024)
- Relative dates (3 days ago)
- Durations (for 2 weeks)
- Frequencies (twice daily)
- Anchored times (since surgery)



Event Ordering

- BEFORE / AFTER relations
- OVERLAPS / DURING
- STARTS / FINISHES
- Medication timelines
- Symptom progression

 **Timeline Construction**

- Patient journey visualization
- Multi-source data fusion
- Conflict resolution rules
- Uncertainty handling
- Missing data imputation

 **Clinical Applications**

- Disease progression tracking
- Treatment response timing
- Adverse event detection
- Readmission prediction
- Longitudinal outcomes