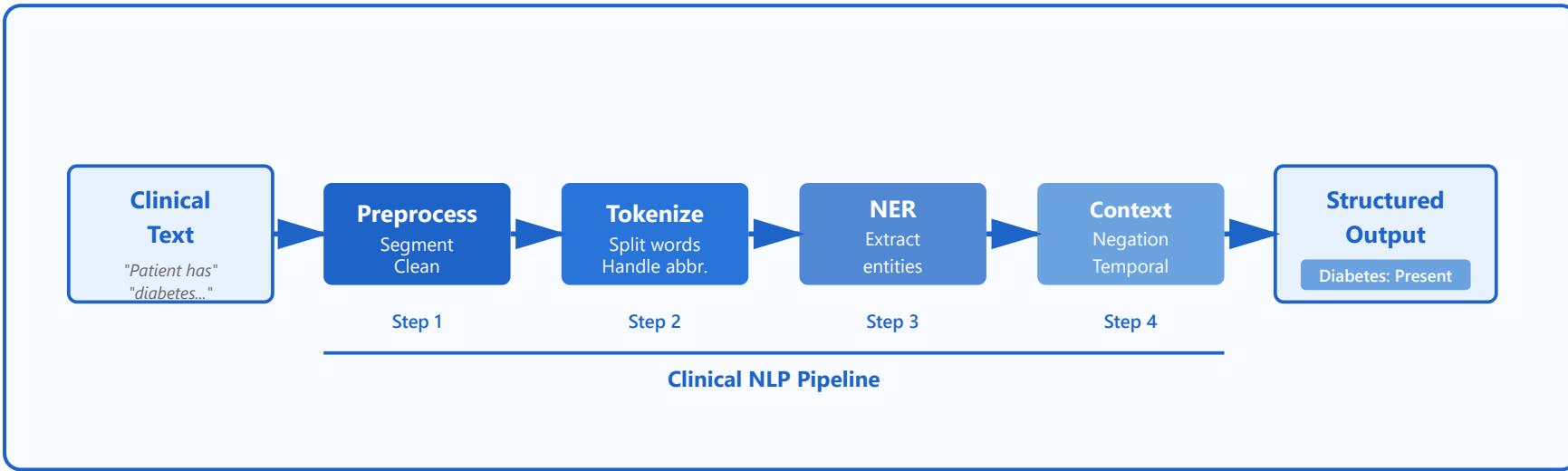


# Clinical NLP Basics



## Text Preprocessing

- Sentence segmentation
- Lowercasing, punctuation removal
- Handling abbreviations
- PHI removal

## Tokenization

- Word-level tokens
- Subword tokenization (BPE)
- Clinical-specific tokenizers
- Handling medical jargon

## Named Entity Recognition

- Diseases, symptoms

## Negation & Section Detection

- NegEx, ConText algorithms

- Medications, dosages
  - Anatomical sites
  - Procedures
- Identifying negated findings
  - Section headers (HPI, ROS, A&P)
  - Temporal expressions