













## Structured vs. Textual Data

## Discrete data fields

- Coded designations for each, e.g., serum potassium
- Supports: trending, decision support, aggregation for "evidence based medicine", public health surveillance, etc.
- Mostly available from direct instruments and after-the-fact coding

## Natural language or images

- Dictated text or worse, handwritten notes
- Intended for interpretation by a human
- The primary format for most medical record data with longterm value
- Increasingly "semi-structured"

The Big Questions: Will doctors create structured data through improved user interfaces? Will computers comprehend natural language with the certainty required for decision support?

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