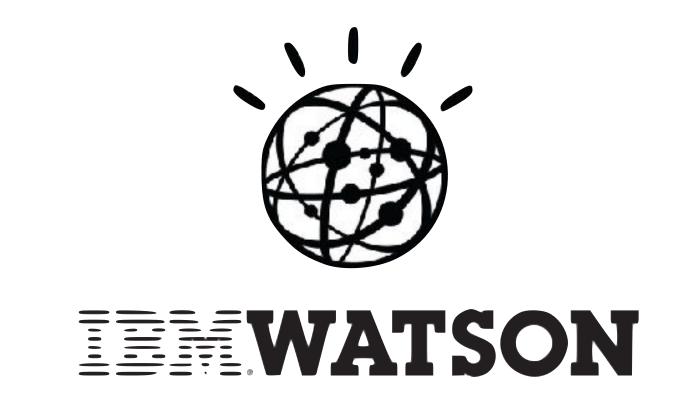
## Watson-Aided Non-Linear Problem-Oriented Clinical Visit Preparation on Tablet Computer

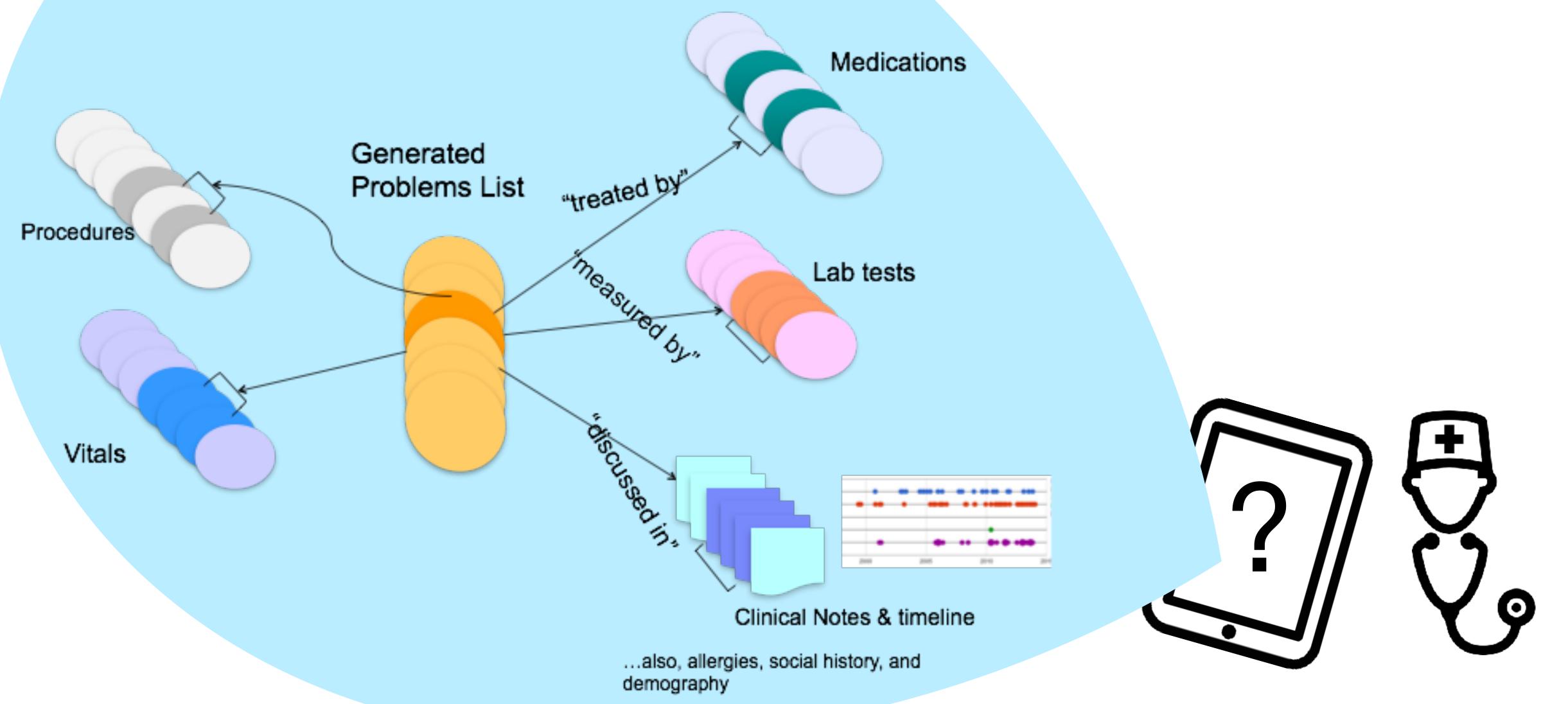
Puripant Ruchikachorn, Jennifer J. Liang Murthy Devarakonda, and Klaus Mueller





# Watson-Aided Non-Linear Problem-Oriented Clinical Visit Preparation on Tablet Computer

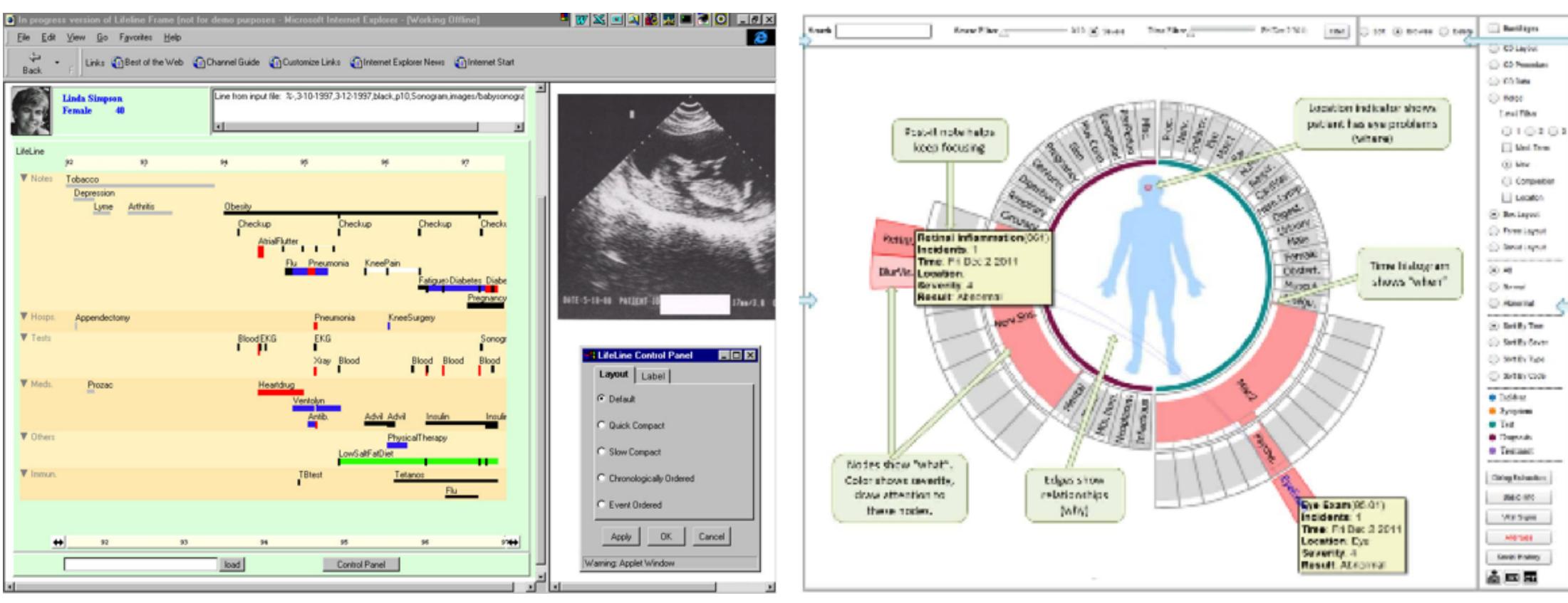
### Clinical Visit Preparation



#### Related EMR Systems

LifeLine (1998)

Five W's (2013)

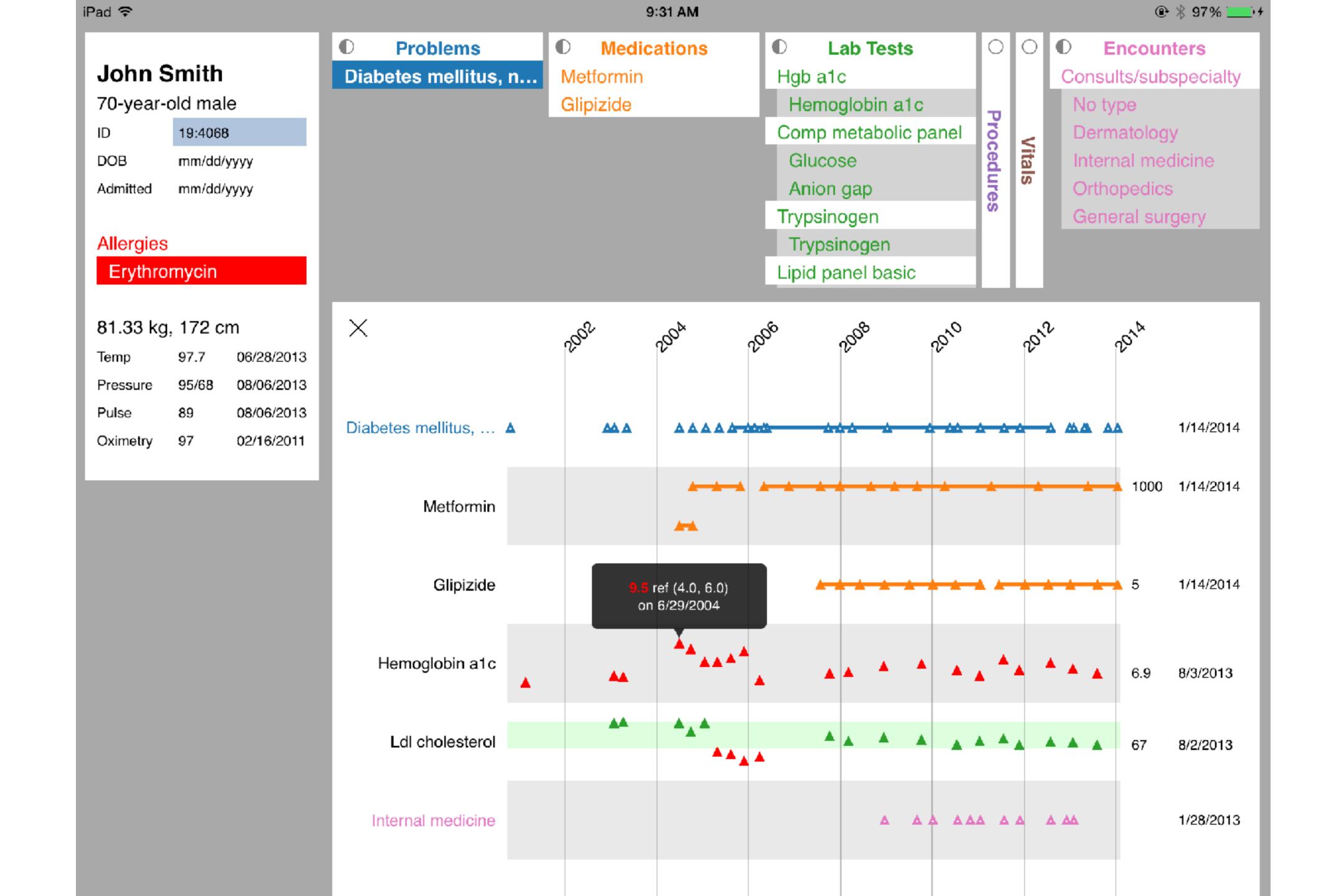


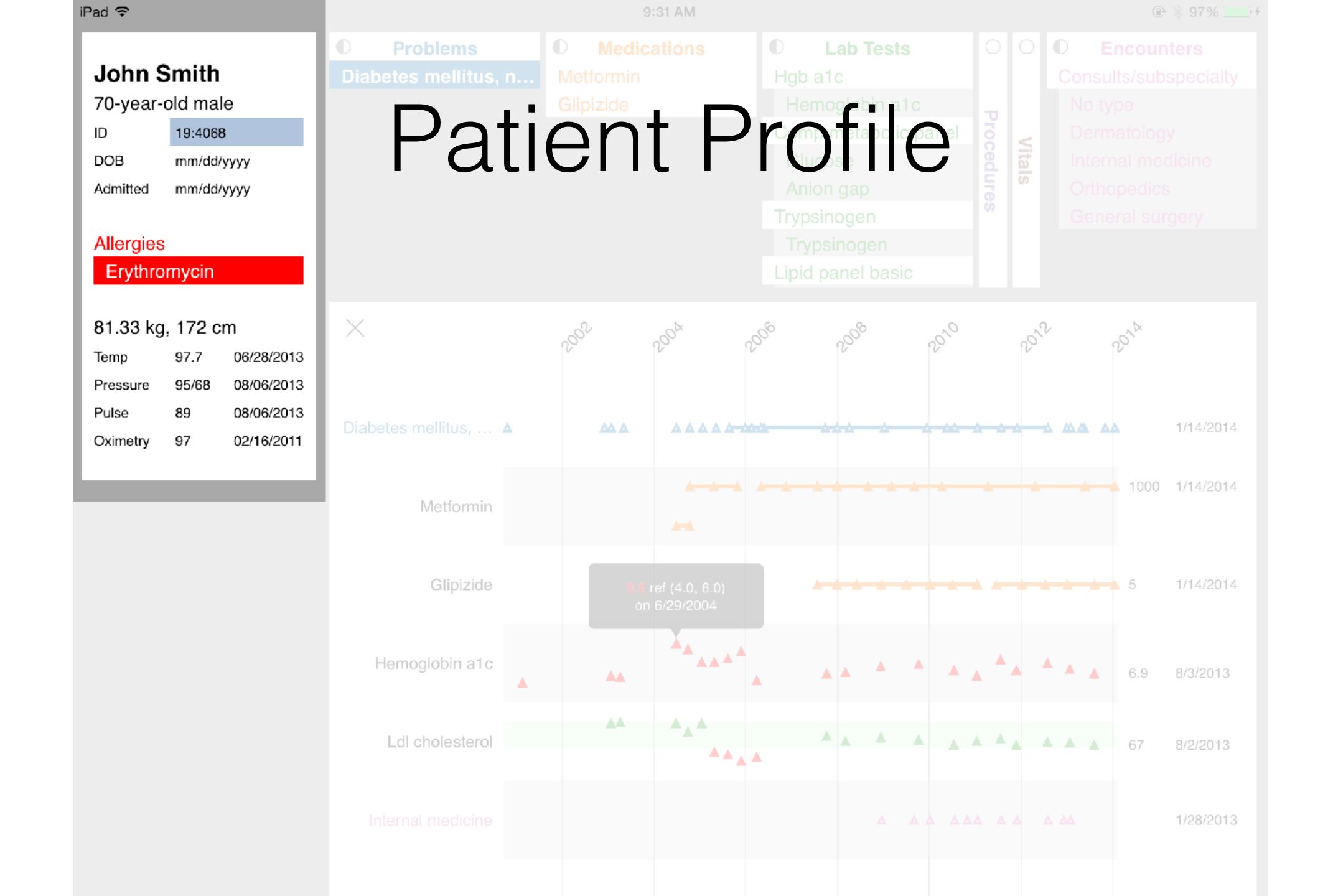
Timeline-based

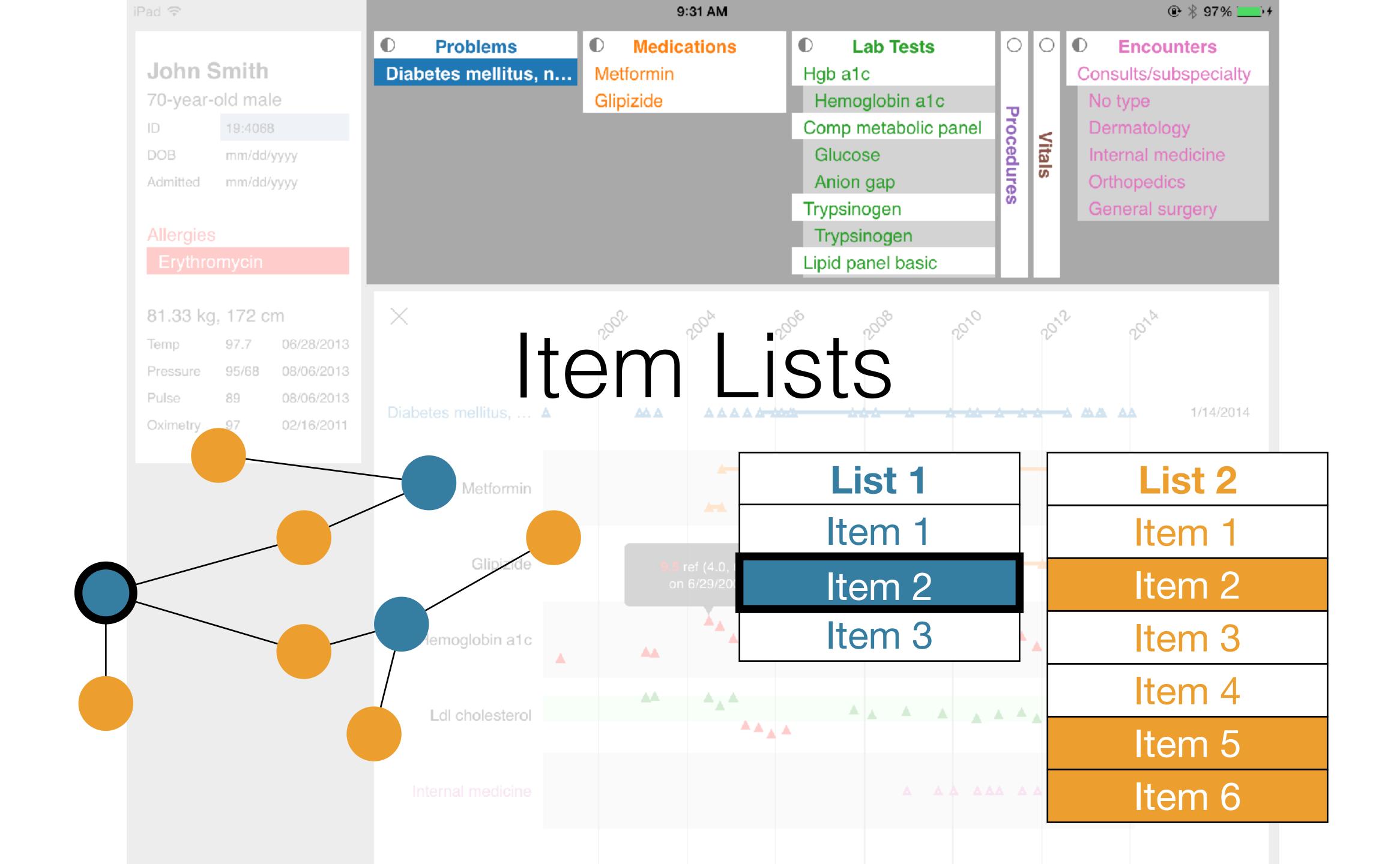
Hierarchical

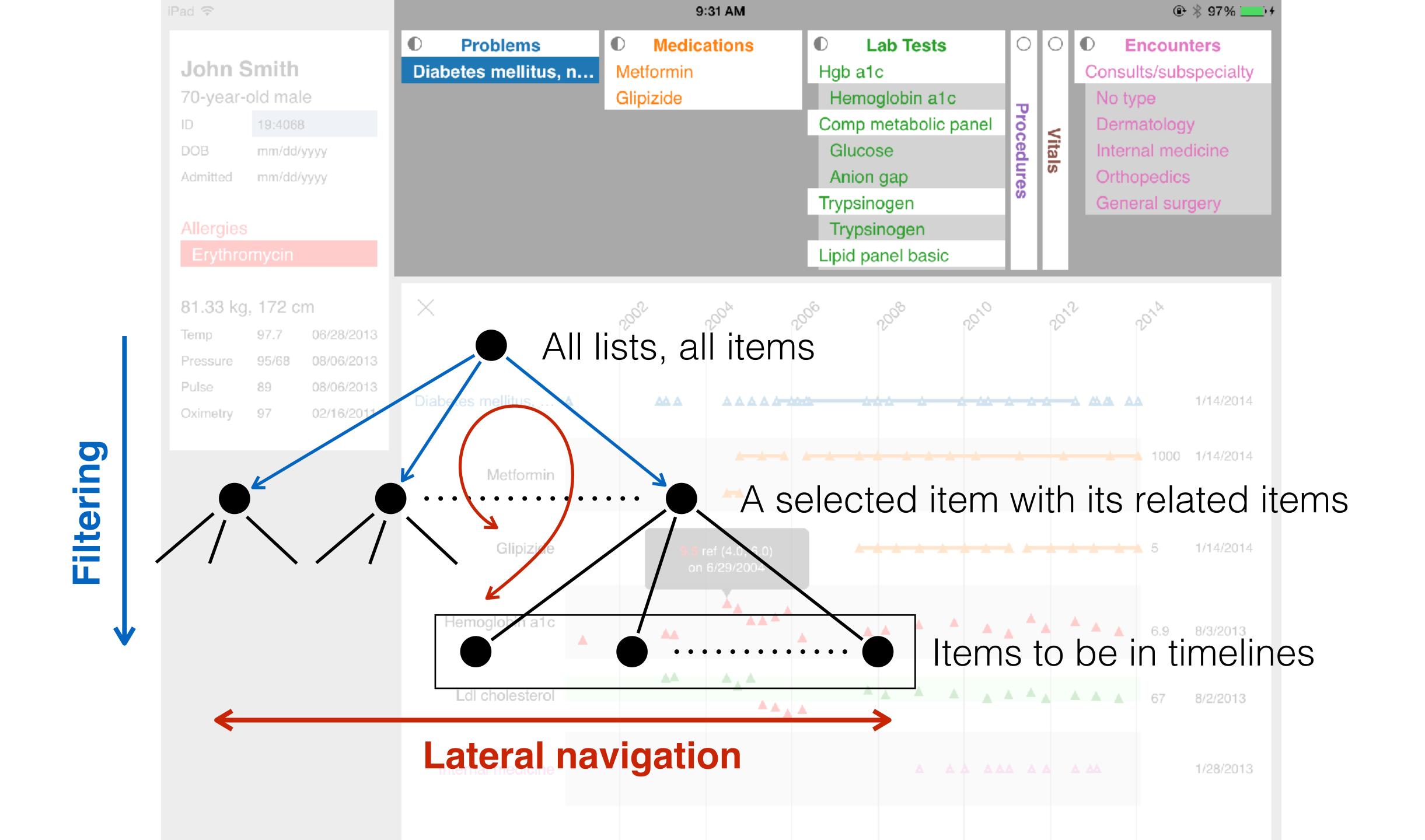
#### User Interface Design

- Focusing on relations between items
- Drill-down information architecture
- Timeline for temporal comparison









#### Implementation & User Study

- D3.js then Cordova to run on iPad
- One physician used it to review a profile of 70-year-old patient

#### Future Work

- More integration with machine learning
  - Feedback from physician-edited relations
- Evaluation with more physicians in a hospital environment
- More clinical workflow support