

Wonderful title here

# Outline

- Use case overview
- Problem
- Patterns
- Competency question
- Feedback?? (TBD)

# Use Case Overview

- Ontology is designed for a specific customer
  - Several researchers from Dayton Children's hospital and Wright State University Boonshoft School of Medicine
- Collect and analyze data for research purposes from large scale nationwide health databases

# Use Case Overview

- Databases contain info from a variety of sources:
  - Patient-specific medical info
  - Billing records
  - Prescription drugs ordered
  - And more!

# Problem Overview

- Each set is exported as a csv abstract
  - Most have some columns in common
  - NOT organized on the same keys
- Research group would like to analyze data that relies on information from multiple abstracts
- Often unclear how to merge these data sources
- Would be nice to have a common representation framework

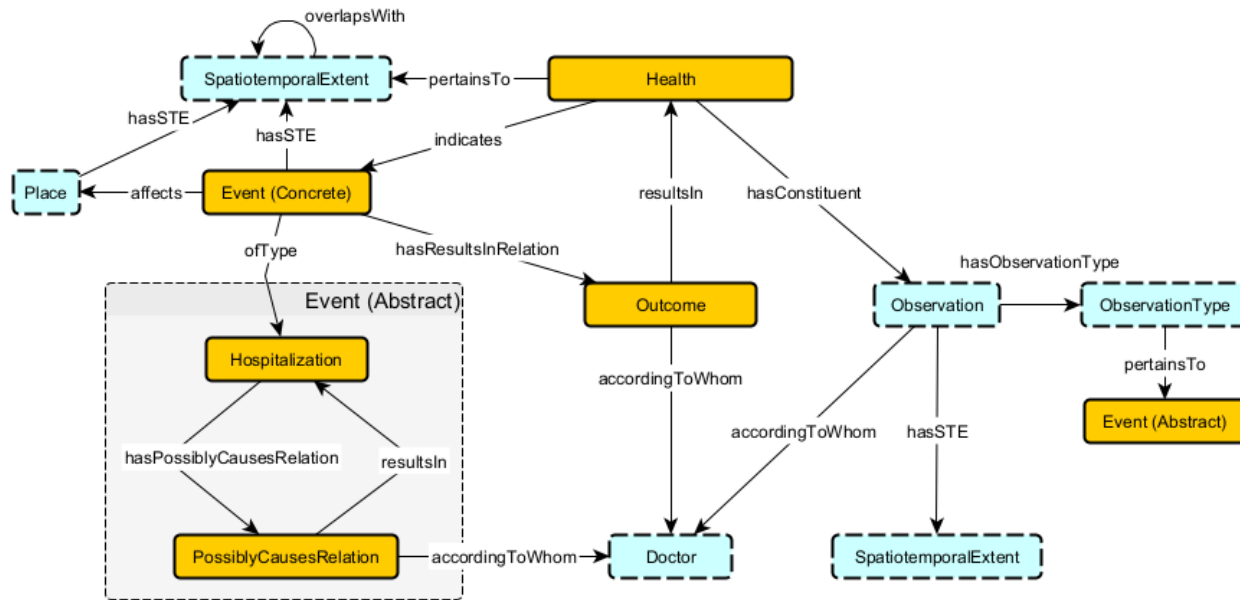
# Problem Overview

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  - Most have some columns in common
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- Often unclear how to merge these data sources
- Would be nice to have a common representation framework
- **An extensible ontology**

# Outline

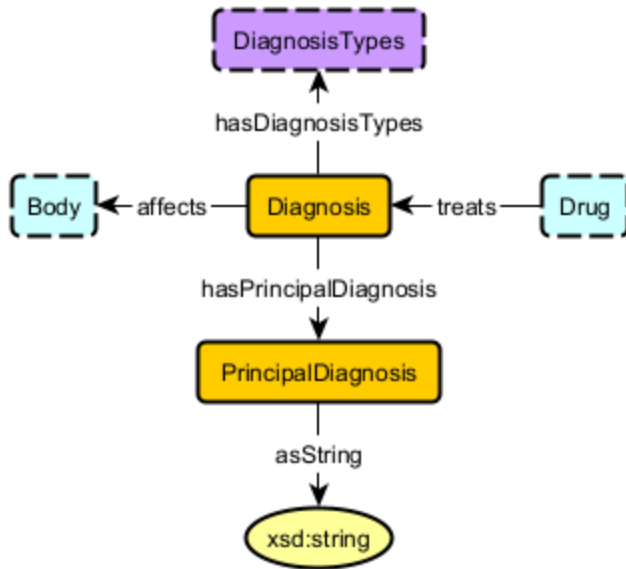
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- **Patterns**
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# Patterns

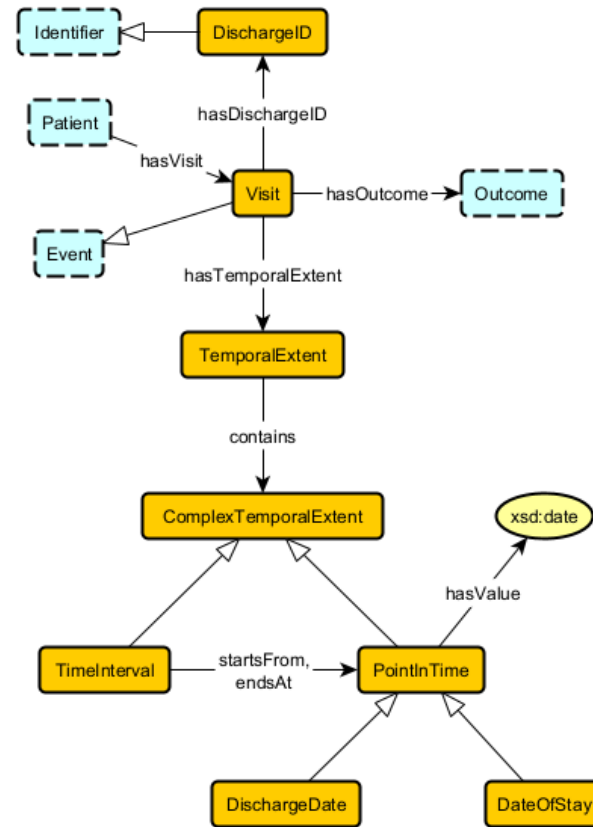




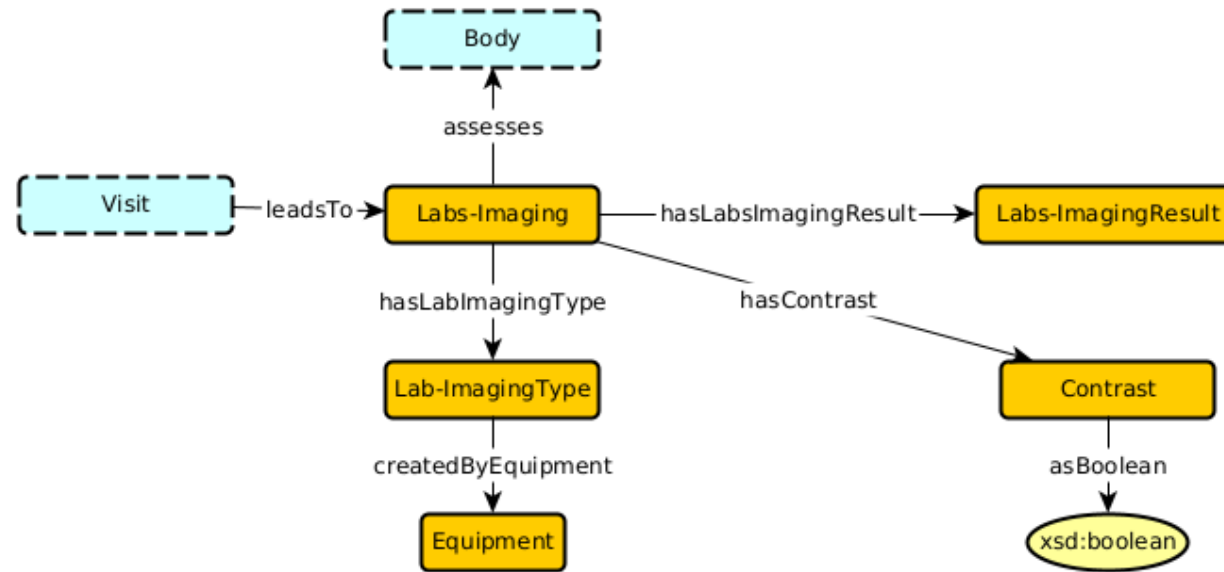
# Diagnosis



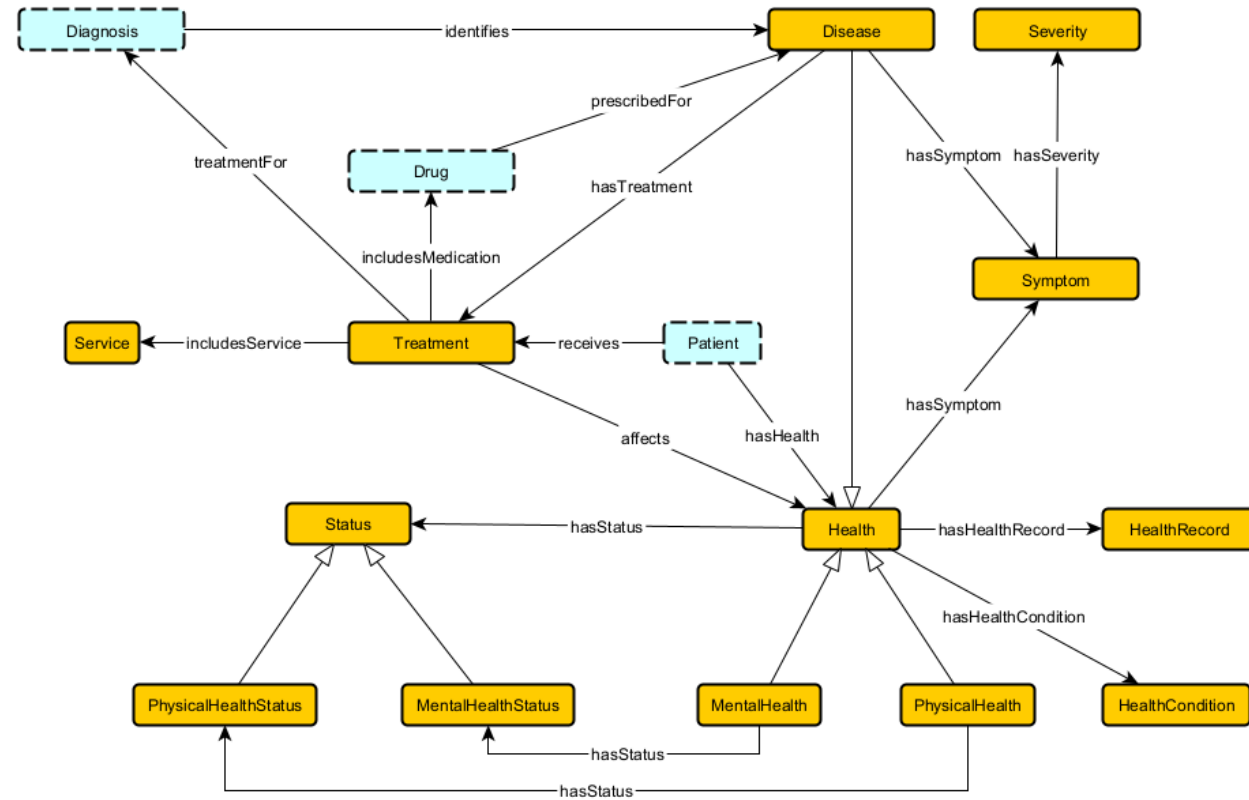
# Temporal Event



# Labs and Imaging



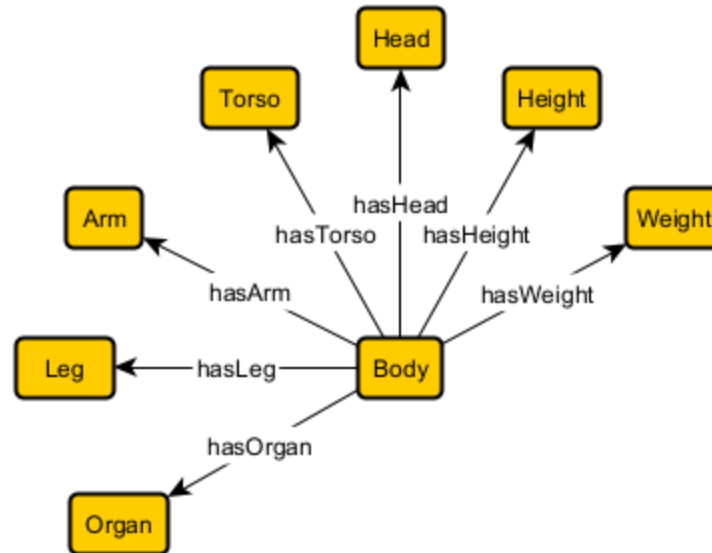
# Health



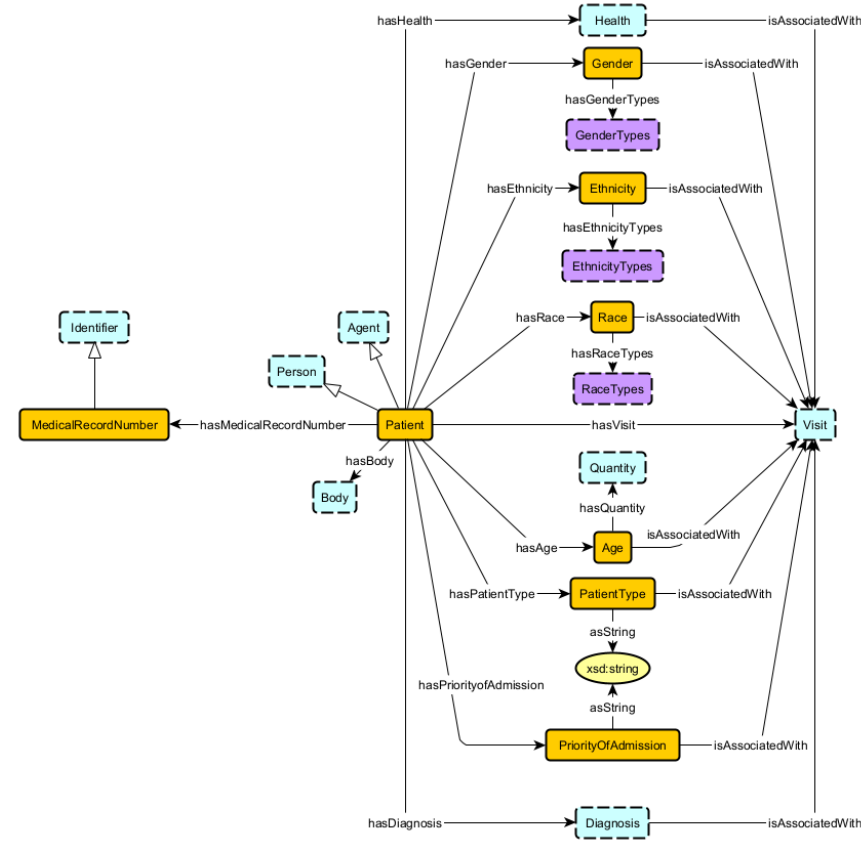
# Drug



# Body



# Patient



# Overall Graph

