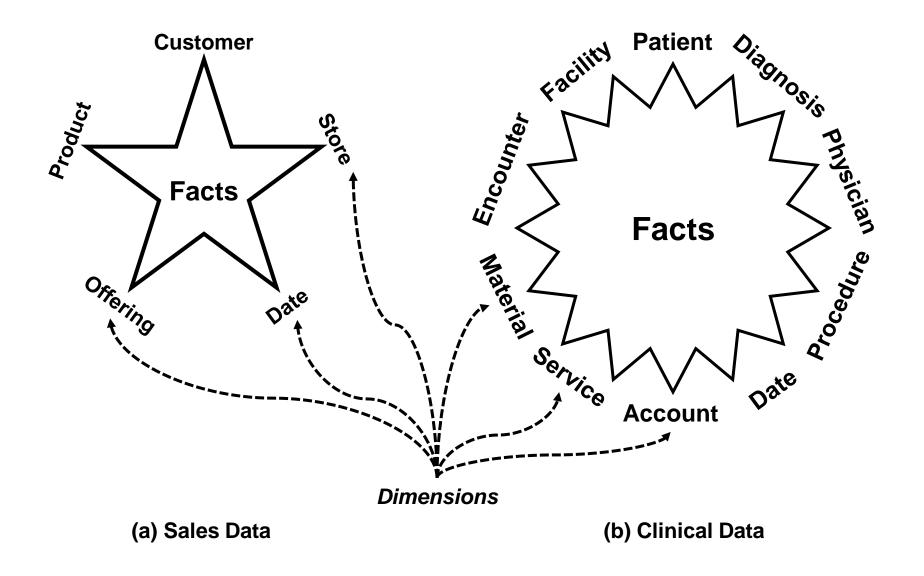
# Ontology-Based Dimensional Data Warehouse Design

International Workshop on Ontology-Driven Software Engineering (ODiSE)

Orlando, Florida, USA - 25 October 2009

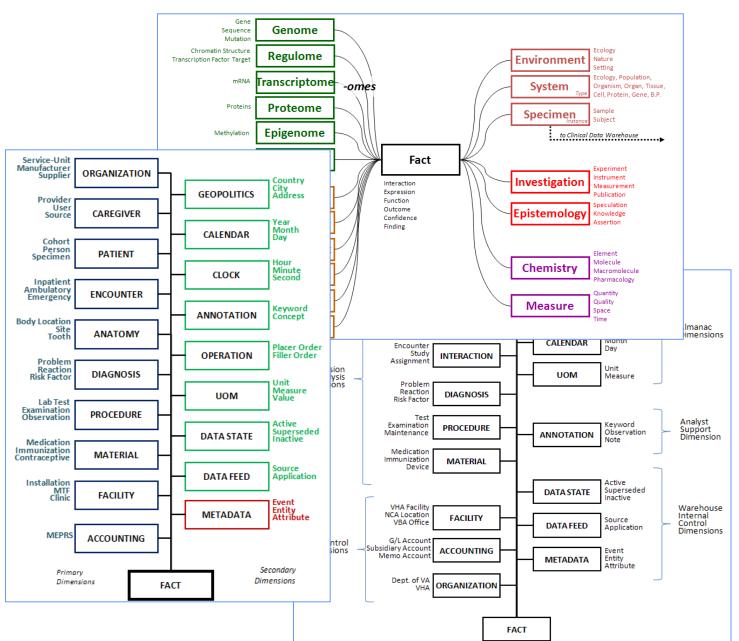


## Evolution of the "Star"

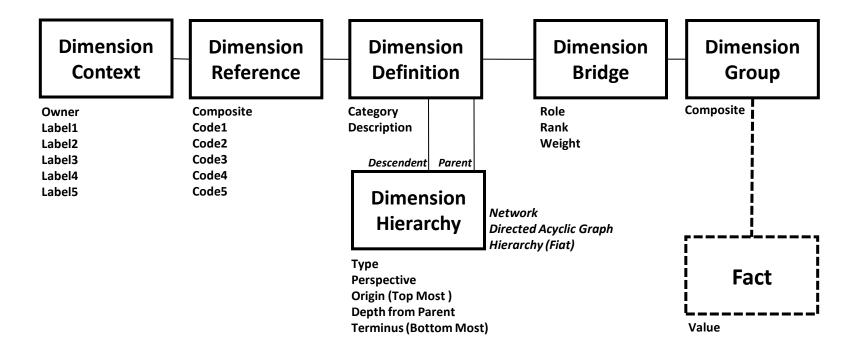


#### Clinical Data Warehouses

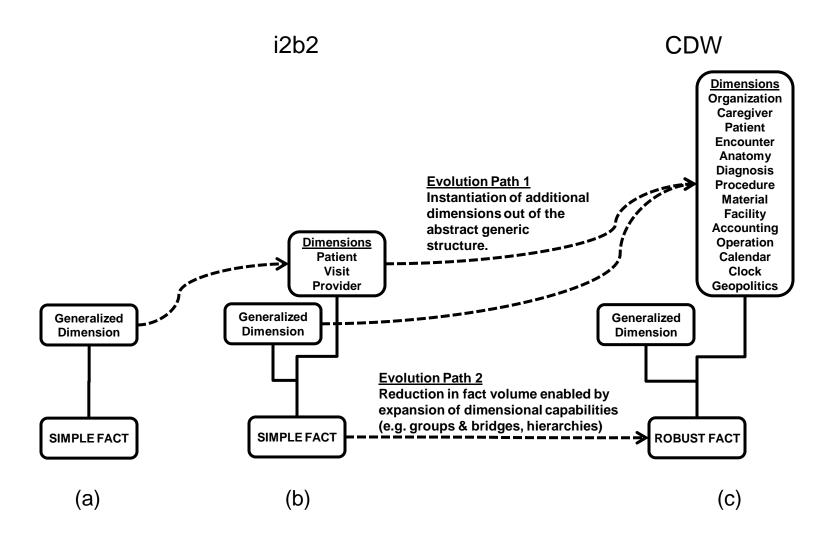
based on star schema dimensional models



# Dimensional Anatomy Pattern (Structure)



## Data Warehouse Architectural Maturity Pathway



#### Basic Formal Ontology (BFO) **Spatial** Region 3D, 2D, 1D, 0D Independent **SNAP** Continuant Continuant Site Object **Object Aggregate Fiat Part of Object Boundary of Object** Dependent Continuant Quality Realizable Entity **Function** Role Disposition Processual **Entity Processual Context Process Aggregate Process Fiat Part of Process Boundary of Process SPAN** Occurrent Spatiotemporal Region **Scattered Spatiotemporal Region Connected Spatiotemporal Region Spatiotemporal Interval** Spatiotemporal Instant Temporal Region **Scattered Temporal Region** Connected Temporal Region **Temporal Interval**

**Temporal Instant** 

