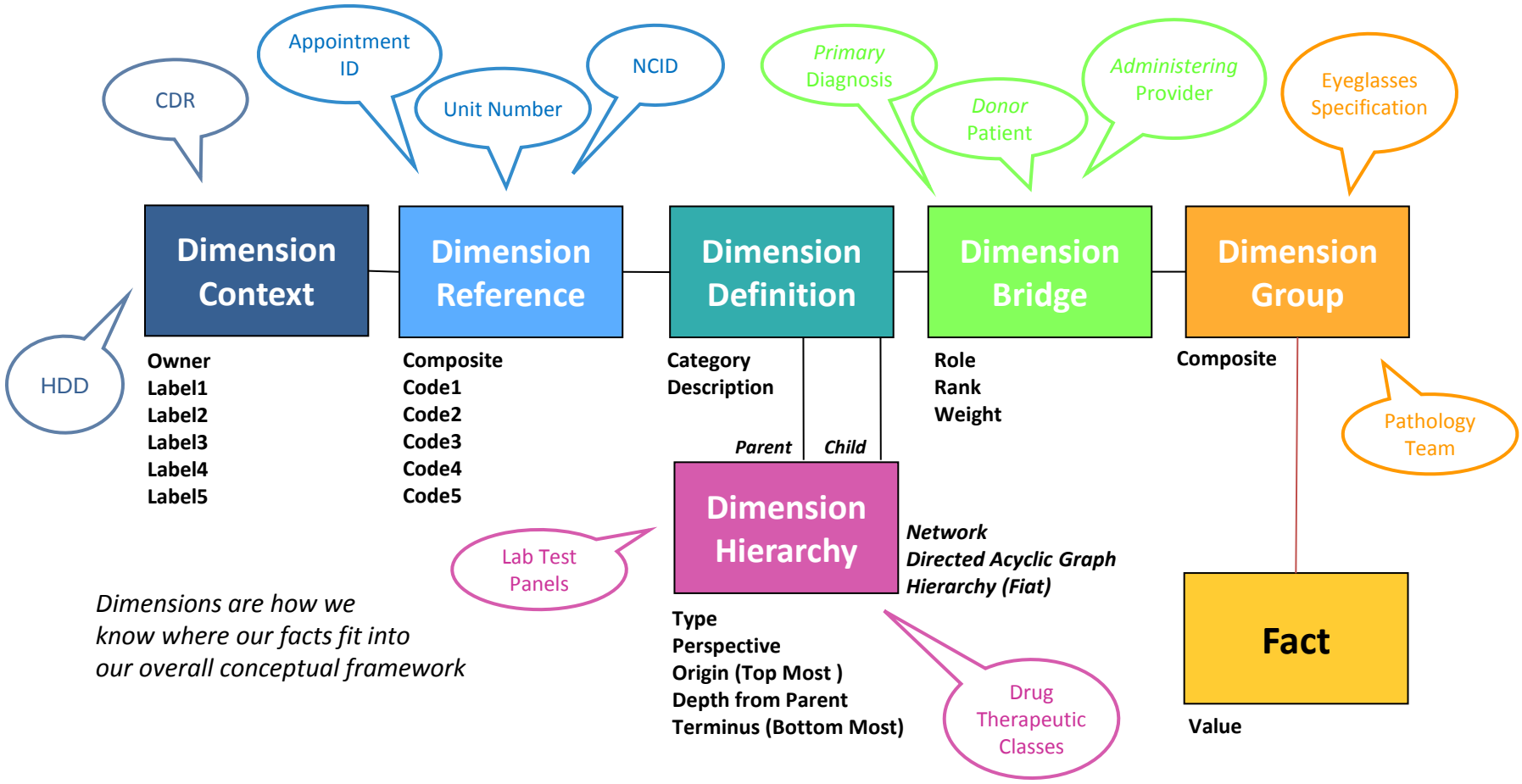
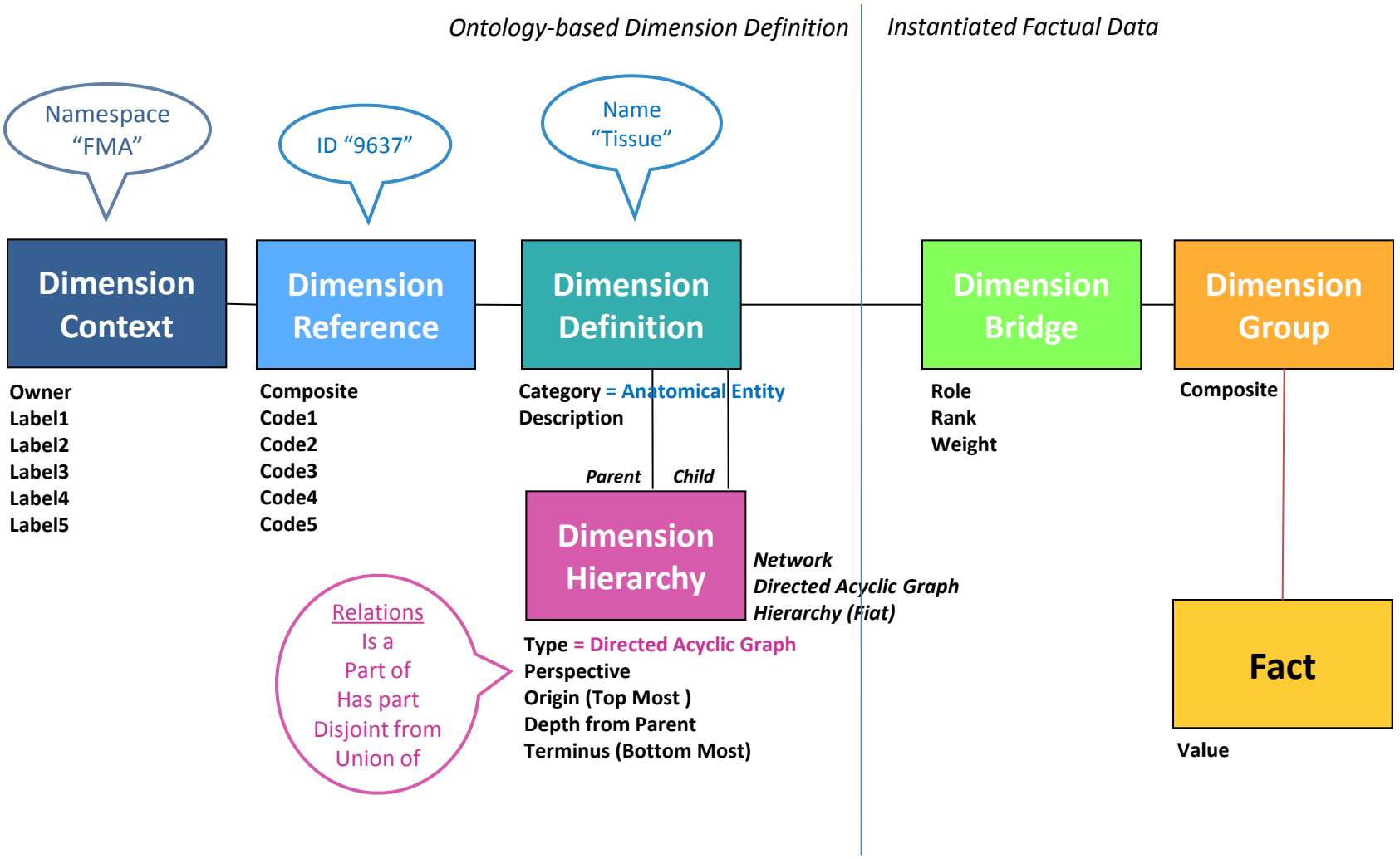
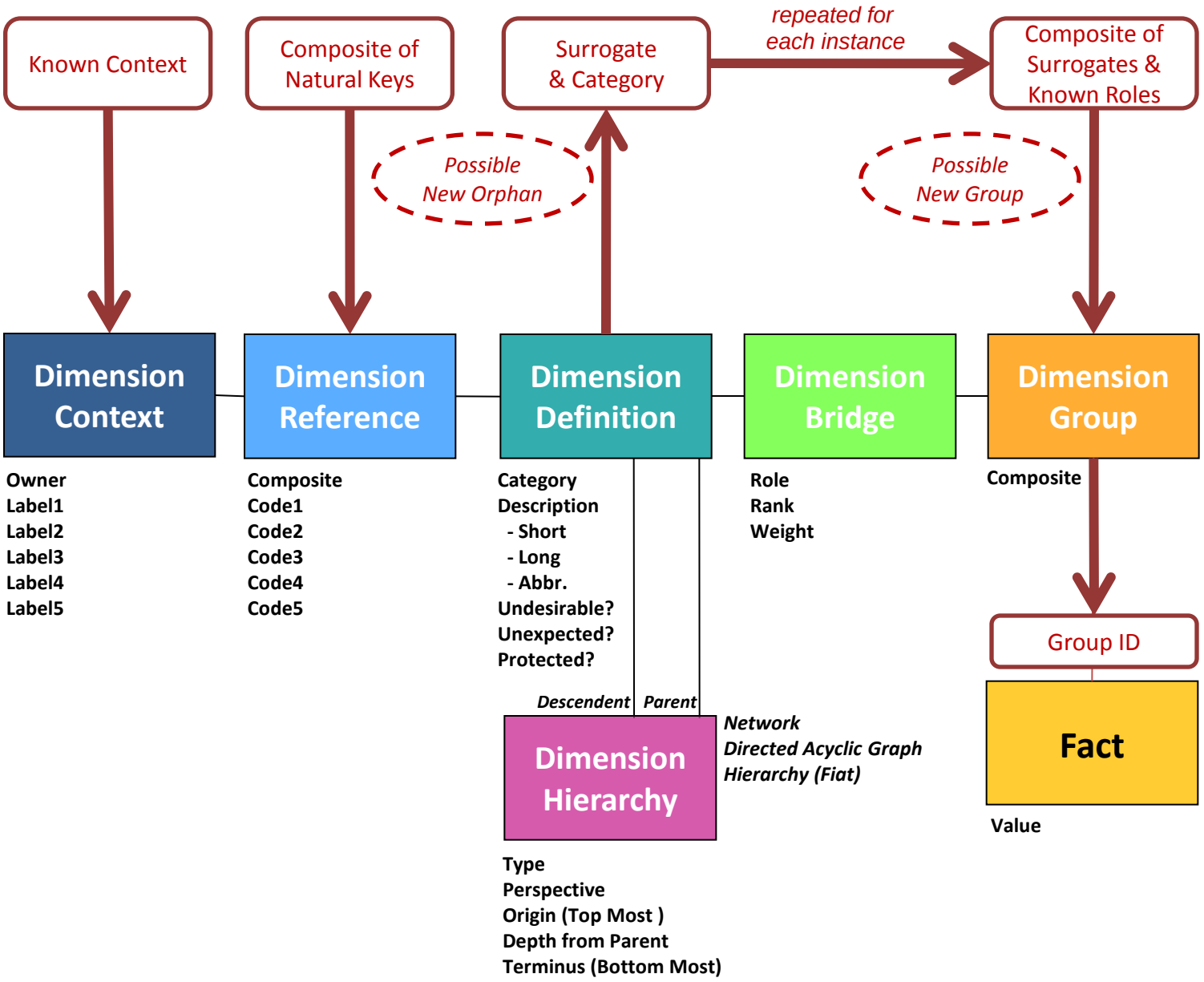
Dimensional Anatomy Pattern (Structure)

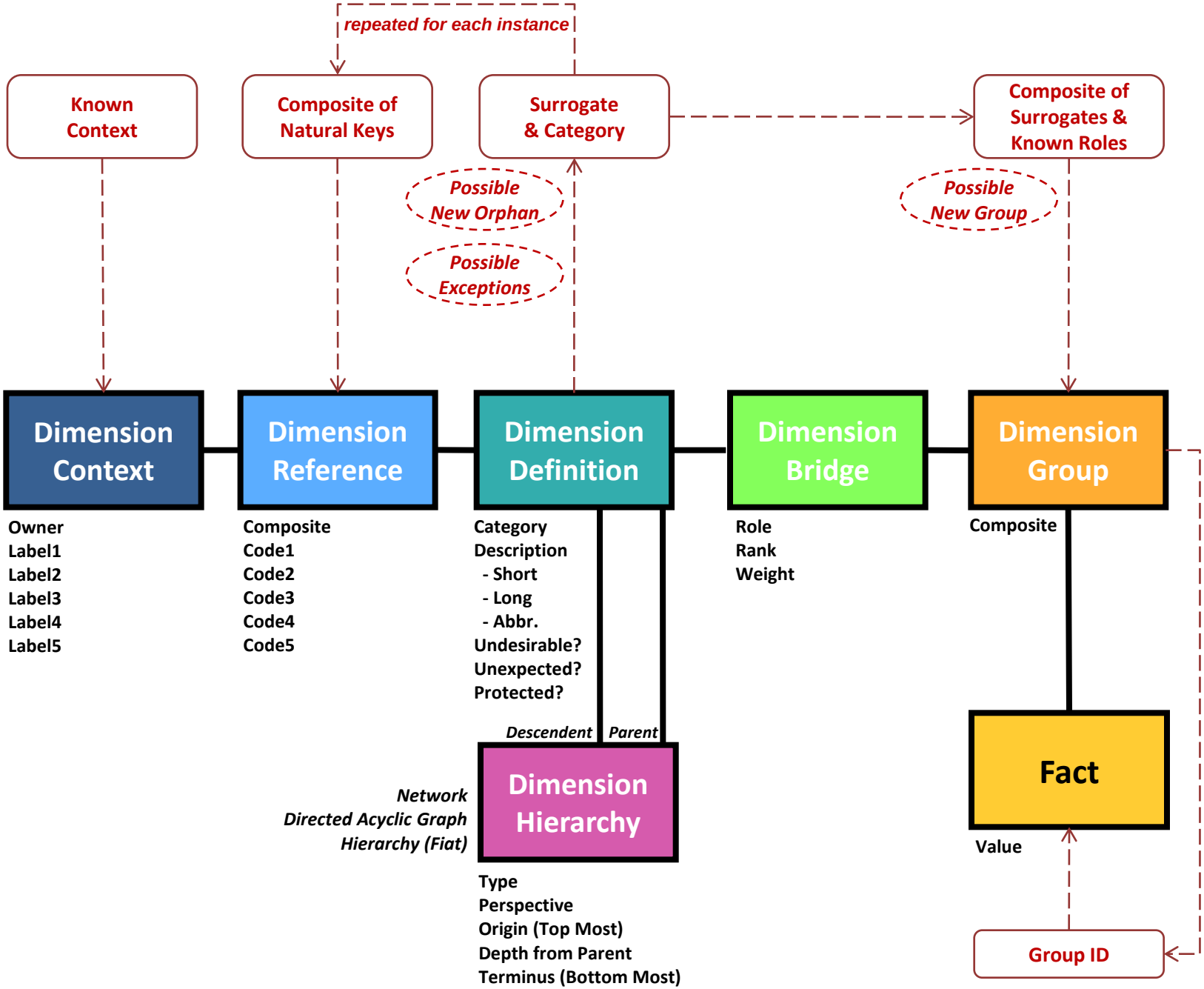


Dimensional Anatomy Pattern (Structure)

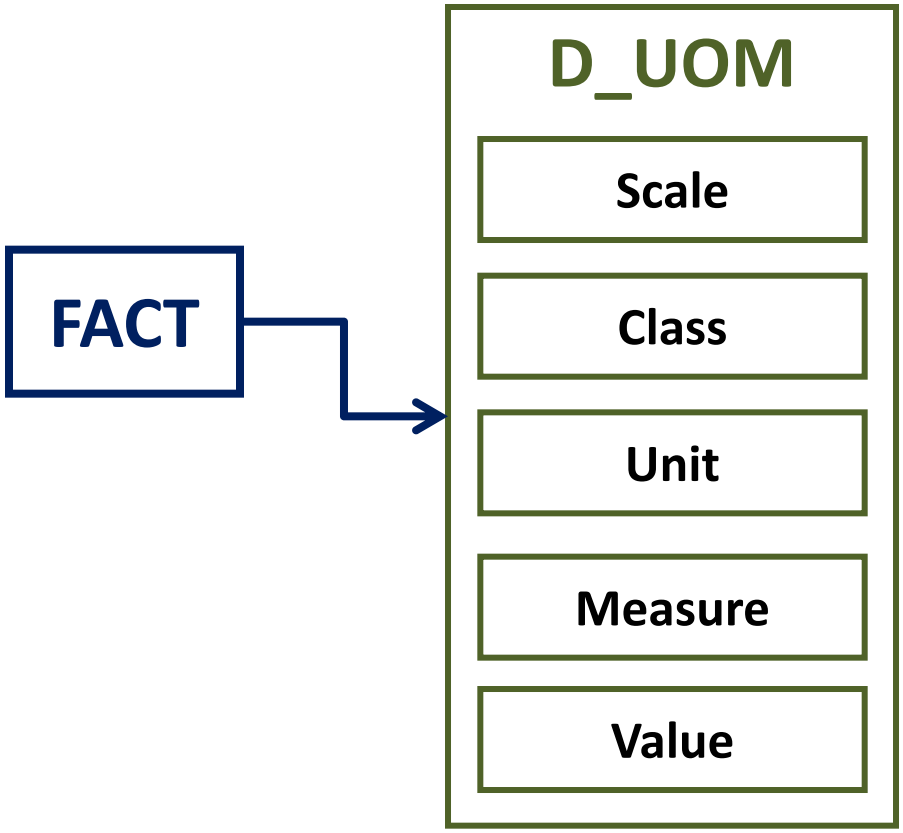


ETL Fact Load - Dimensionalization




repeated for each instance
Known Context
Composite of Natural Keys
Surrogate & Category
Composite of Surrogates & Known Roles
Possible New Orphan
Possible Exceptions
Possible New Group
Dimension Context
Dimension Reference
Dimension Definition
Dimension Bridge
Dimension Group
Owner
Label1
Label2
Label3
Label4
Label5
Composite
Code1
Code2
Code3
Code4
Code5
Category
Description
- Short
- Long
- Abbr.
Undesirable?
Unexpected?
Protected?
Role
Rank
Weight
Composite
Descendent
Parent
Network
Directed Acyclic Graph
Hierarchy (Fiat)
Dimension Hierarchy
Type
Perspective
Origin (Top Most)
Depth from Parent
Terminus (Bottom Most)
Fact
Value
Group ID

Warehousing UOM Pattern (Syntax)



Quantitative, Ordinal , Nominal, Narrative

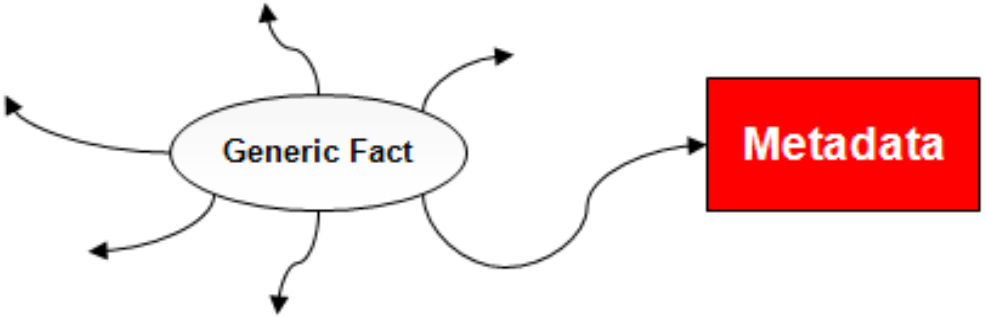
Length, Mass, Substance, Temperature, Time, Pressure Volume Frequency , Logic, Quality, Quantity, Narrative

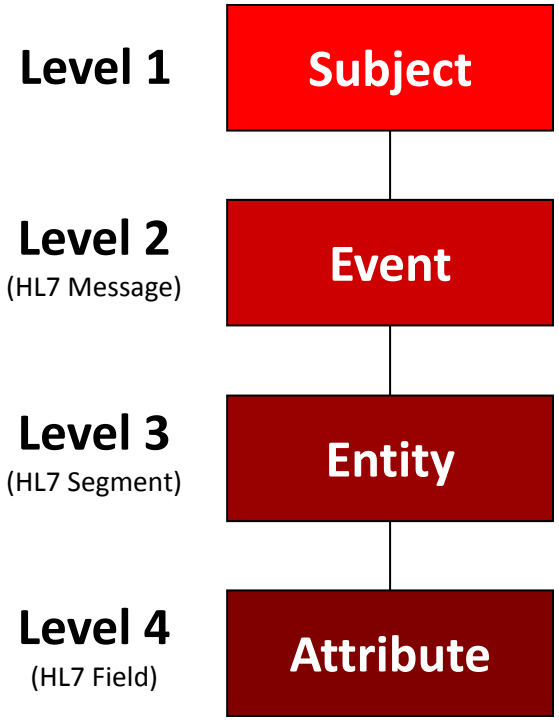
Centigrade, Millimeters Mercury, Yes/No Flag, Inches, Centimeters, Count, FLACC Scale, Units/Liter, Units/Minute

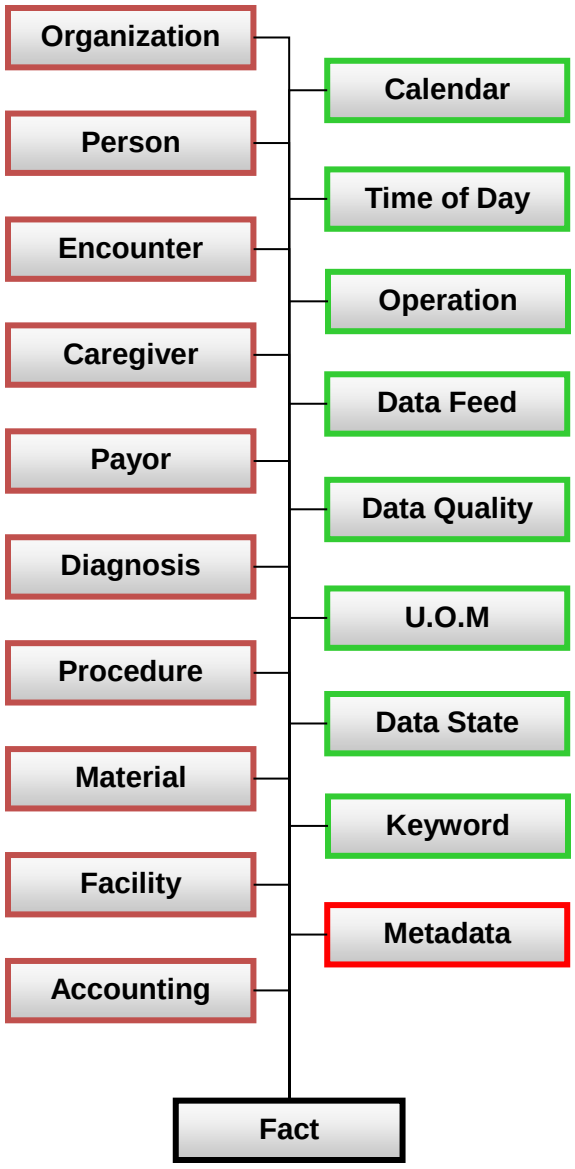
Oral Temp, Tympanic Temp, Systolic B.P., Diastolic B.P. Deceased, Breaths per Minute, Beats per Minute, Refills, Pain Level

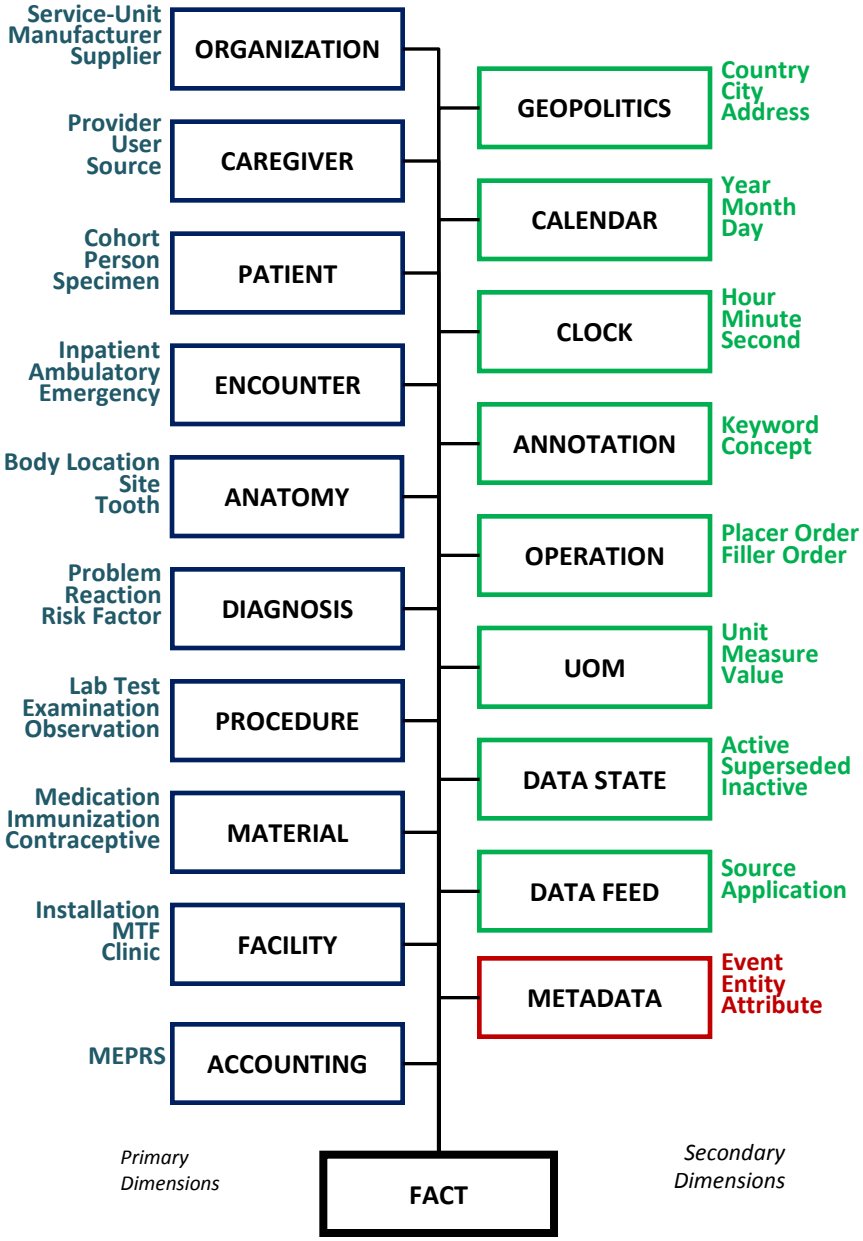
Yes, No, 0, 1, 98.6

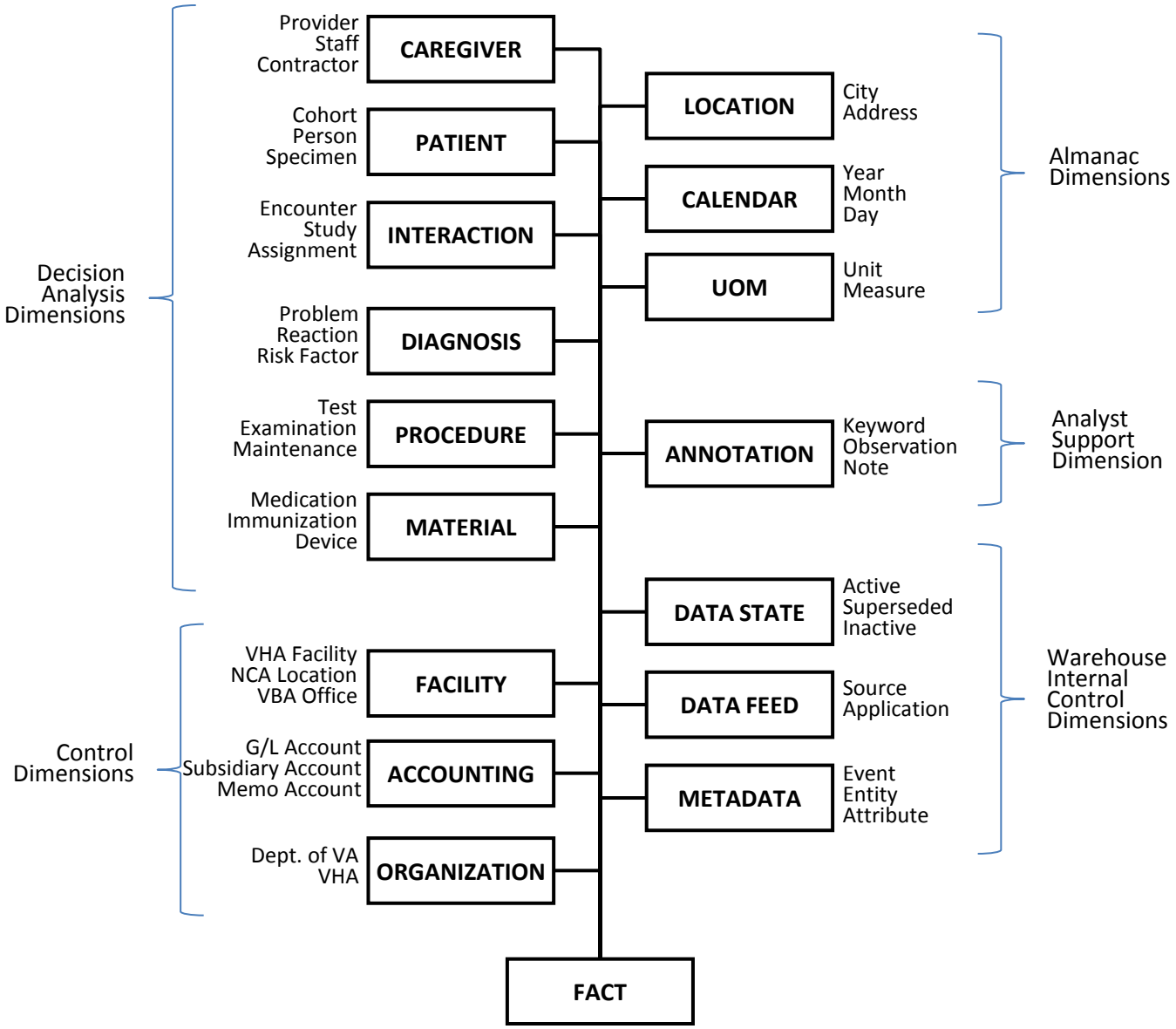
Warehouse EAV Pattern (Semantics)



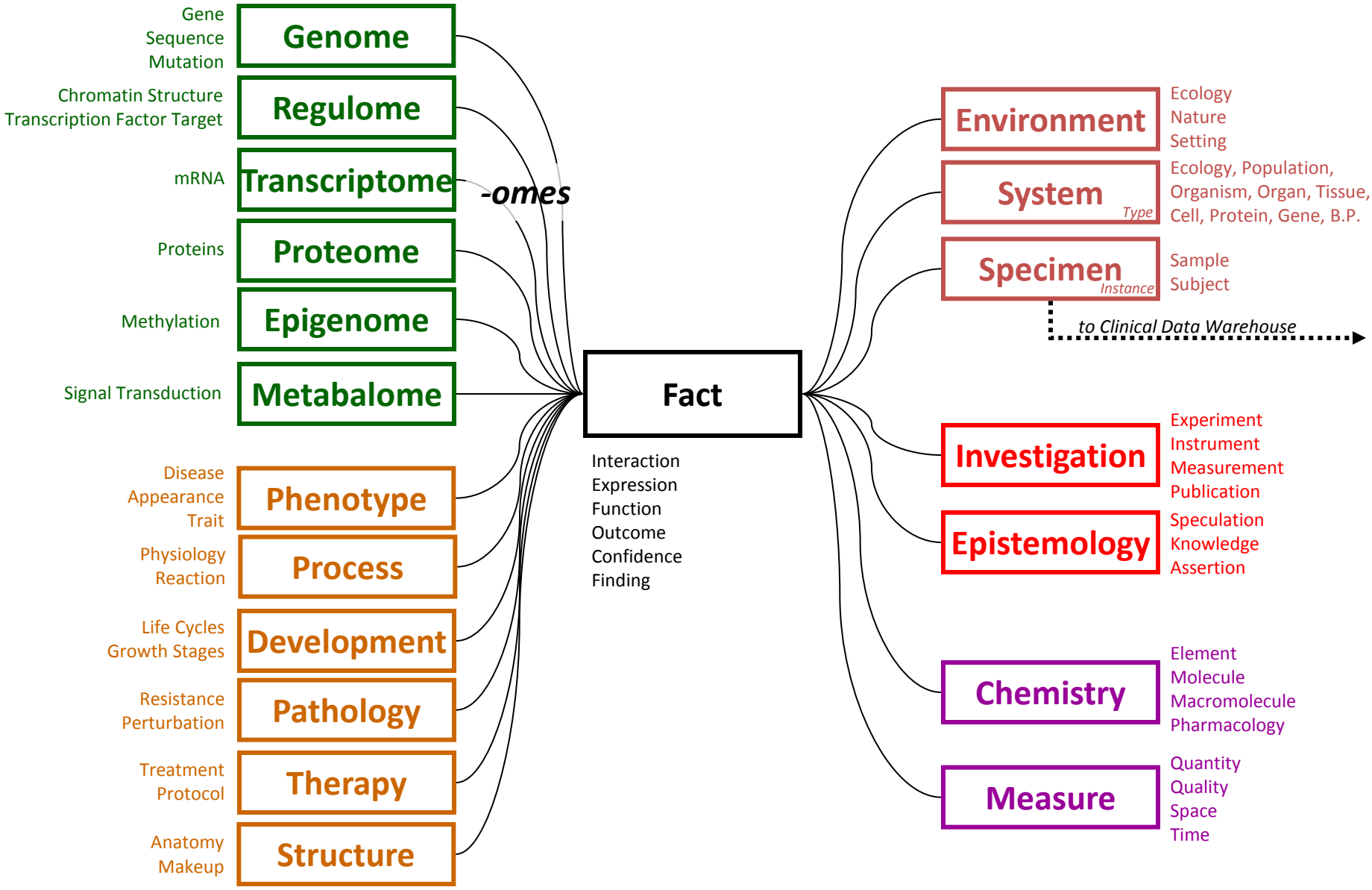



Organization
Person
Encounter
Caregiver
Payor
Diagnosis
Procedure
Material
Facility
Accounting
Calendar
Time of Day
Operation
Data Feed
Data Quality
U.O.M
Data State
Keyword
Metadata
Fact


Service-Unit
Manufacturer
Supplier
ORGANIZATION
Provider
User
Source
CAREGIVER
Cohort
Person
Specimen
PATIENT
Inpatient
Ambulatory
Emergency
ENCOUNTER
Body Location
Site
Tooth
ANATOMY
Problem
Reaction
Risk Factor
DIAGNOSIS
Lab Test
Examination
Observation
PROCEDURE
Medication
Immunization
Contraceptive
MATERIAL
Installation
MTF
Clinic
FACILITY
MEPRS
ACCOUNTING
GEOPOLITICS
Country
City
Address
CALENDAR
Year
Month
Day
CLOCK
Hour
Minute
Second
ANNOTATION
Keyword
Concept
OPERATION
Placer Order
Filler Order
UOM
Unit
Measure
Value
DATA STATE
Active
Superseded
Inactive
DATA FEED
Source
Application
METADATA
Event
Entity
Attribute
Primary
Dimensions
FACT
Secondary
Dimensions


Decision Analysis Dimensions
Provider Staff Contractor
CAREGIVER
Cohort Person Specimen
PATIENT
Encounter Study Assignment
INTERACTION
Problem Reaction Risk Factor
DIAGNOSIS
Test Examination Maintenance
PROCEDURE
Medication Immunization Device
MATERIAL
Control Dimensions
VHA Facility NCA Location VBA Office
FACILITY
G/L Account Subsidiary Account Memo Account
ACCOUNTING
Dept. of VA VHA
ORGANIZATION
LOCATION
City Address
CALENDAR
Year Month Day
UOM
Unit Measure
Almanac Dimensions
ANNOTATION
Keyword Observation Note
Analyst Support Dimension
DATA STATE
Active Superseded Inactive
DATA FEED
Source Application
METADATA
Event Entity Attribute
Warehouse Internal Control Dimensions
FACT

Bioinformatics Data Warehouse Dimensional Architecture



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