



Information Modeling @DaVita Utilizing FHIM

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Agenda



- Who is DaVita?
- How we chose the FHIM?
- What have we done so far?
- How are we utilizing the FHIM now?

Who is DaVita?



DaVita
Kidney Care



HealthCare Partners.
Medical Group and Affiliated Physicians



DaVita | Rx



DaVita
International
(Multispecialty + Kidney Care)



2,600
LOCATIONS



12
COUNTRIES



64,000
TEAMMATES



2,000
TEAM PHYSICIANS



1,000
HOSPITAL PARTNERS

Why is an Information Model important to DaVita?

- Hundreds of systems
- Inorganic growth
- International operations
- Dialysis clinics and hospital partners
- Significant internal and external integrations
- Multiple, evolving delivery platforms



How did we chose an Information Model?

- Why an information model?
 - Provide a common point of reference defining semantic interoperability for all the data of the enterprise that we choose to define.
- Choices:
 - Grow our own
 - Use an existing model.
- Multi-month review process
- Criteria
 - Extendable
 - Accurate
 - Good modeling (techniques, descriptions)
 - Common Model (internal and external)
 - Promotes interoperability internally and with partners (e.g., Government, DaVita Partners)



Why we chose



- FHIM won out
 - Performed a Proof of Concept
 - Solid modeling techniques
 - Not domain specific
 - Continuing development (!)
 - Alignment with FHIR
- Chosen as an Information Model



What we have done



- First Steps
 - Needed to “come up to speed” so performed detailed analysis
 - Validated against existing systems
 - Shared the concept of using a information model as an enterprise resource
 - Invested in toolsets (and training) to work on the model(s)



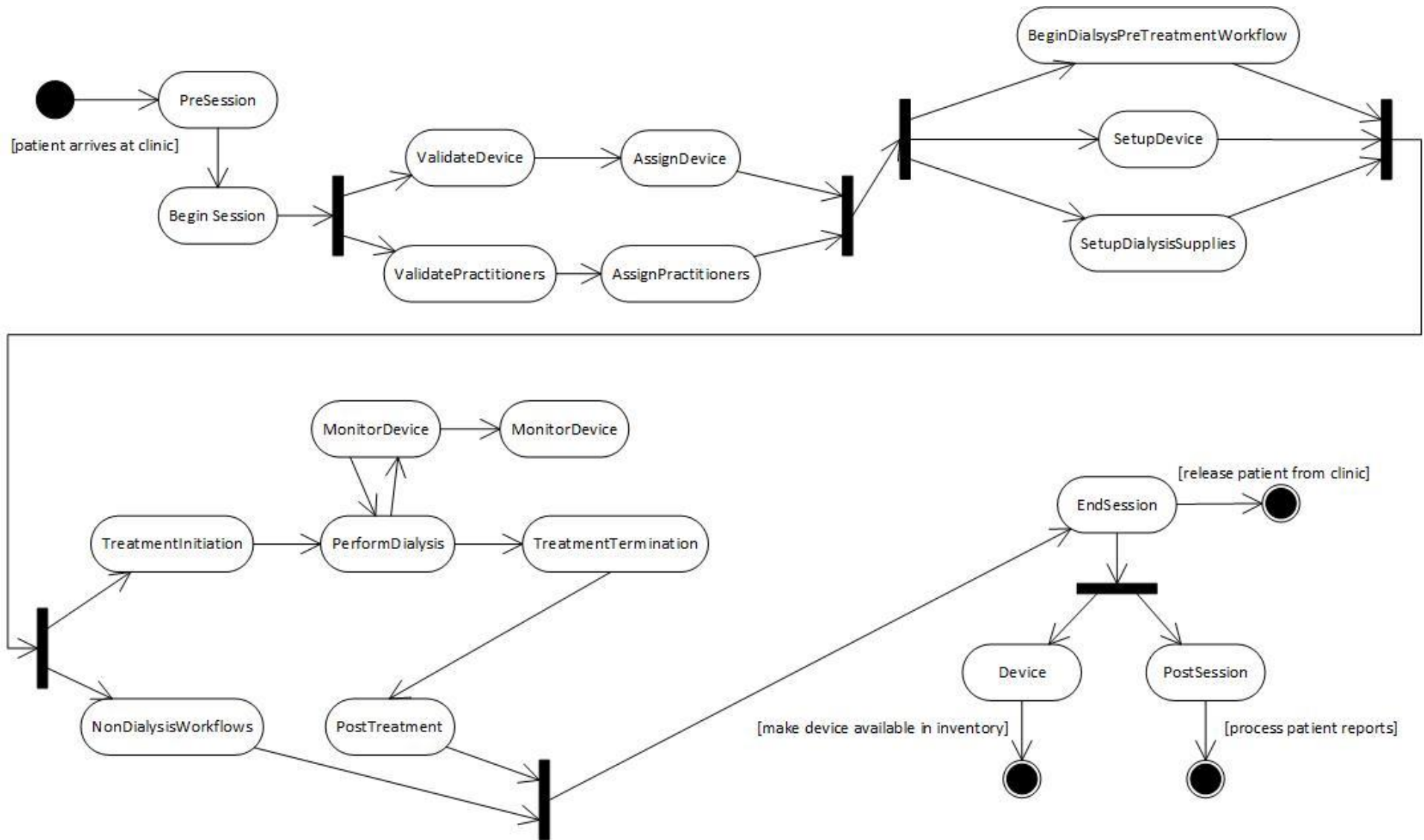
What we have done



- First Implementation
 - Extended model for Master Data Management of Patients
 - Developed implementation models as well
 - Made some changes to ease XSD development
 - Used FHIM for cross team communication
 - Used FHIM as basis for data mappings



How are we utilizing the FHIM?



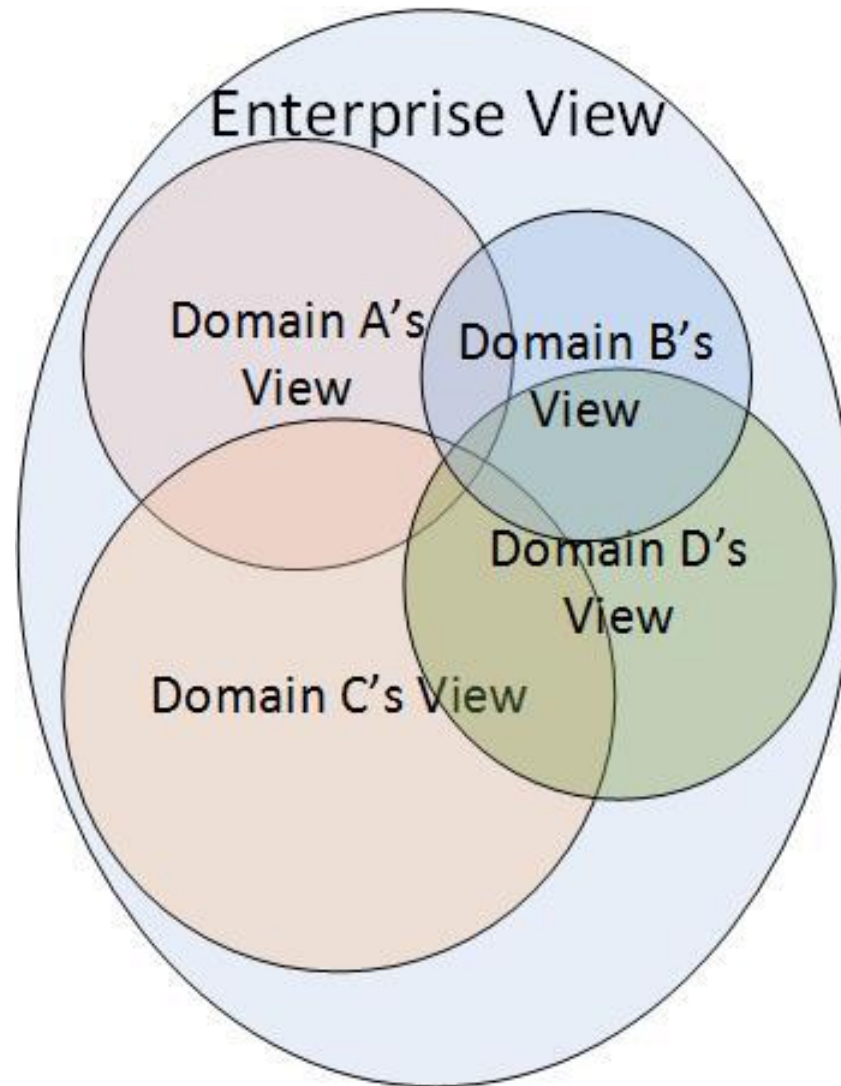


How are we utilizing the FHIM?

- With multiple systems integrations, need to validate consistent/common use of:
 - Entities
 - Relationships
 - Attributes
 - Values
- We are utilizing the FHIM as the basis of that conversation (business) and analysis (IT)



How are we utilizing the FHIM?





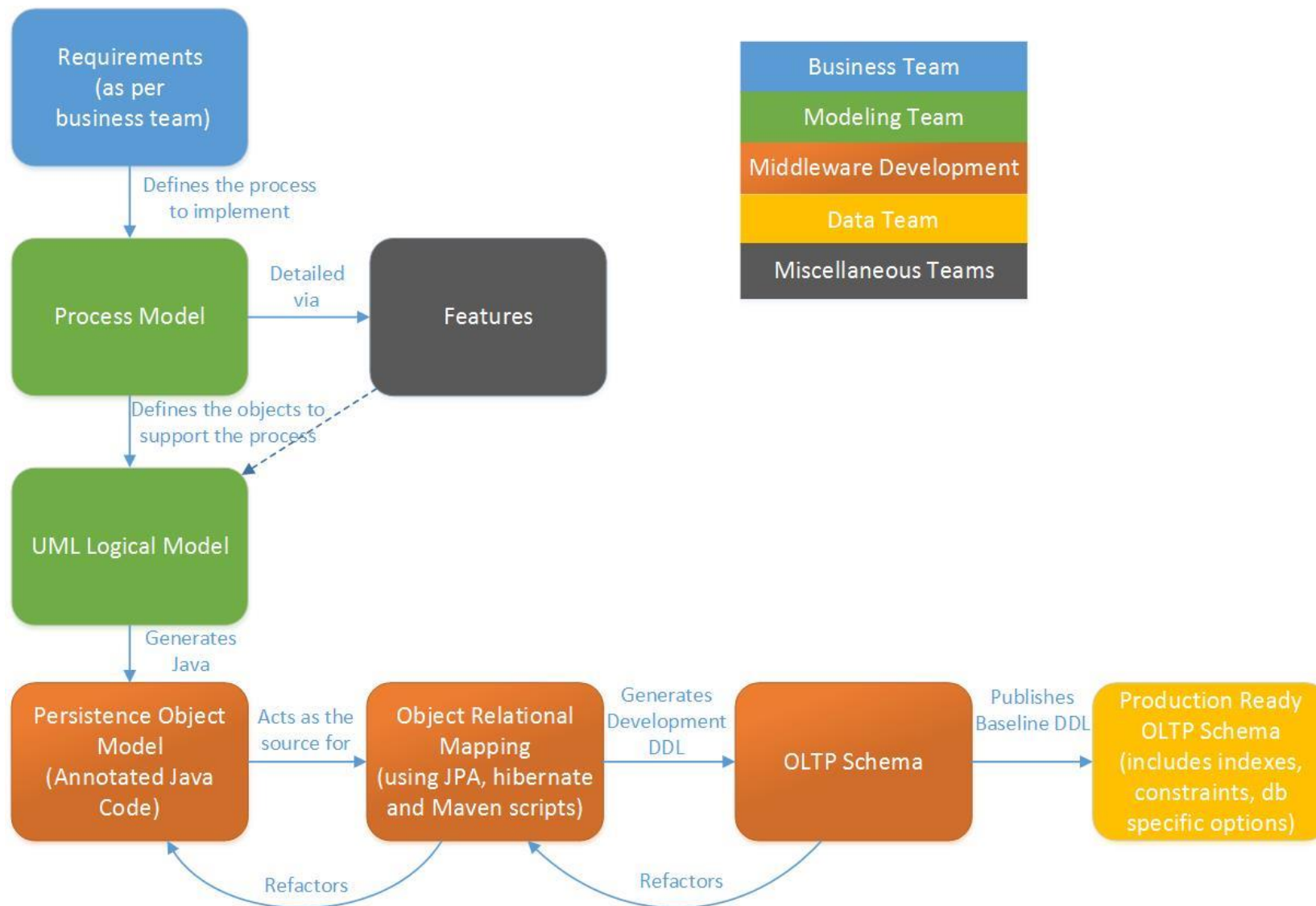
How are we utilizing the FHIM?



- FHIM is one component within the process
- We are using as an information model
 - Other models are created and used for different purposes, but they have lineage to the FHIM
- FHIM helps with initial discussions as it is very broad and deep



How are we utilizing the FHIM?





How are we utilizing the FHIM?



- Interoperability
 - Multiple teams focused on developing taxonomy/value sets.
 - Many teams are dependent on the taxonomy
 - Baseline value sets of the FHIM guiding our definition review



How are we utilizing the FHIM?



- Usage Overview
 - FHIM is baseline model for development
 - Extended as necessary for DaVita specific model
 - The FHIM is one of many models (e.g., logical, implementation, root aggregate), but it is the core model
 - Enforces common understanding
 - Used at all levels of the analysis and development lifecycles

How are we utilizing the FHIM?



- Questions?