

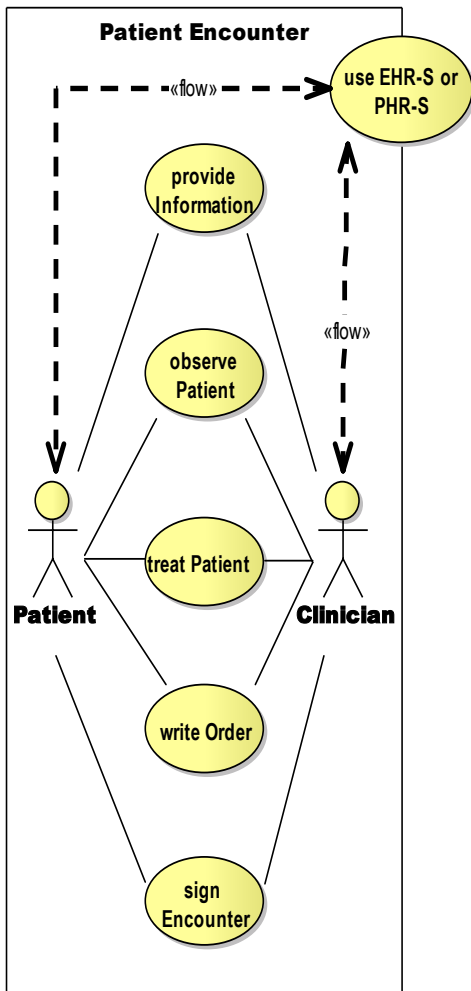
Use Case Simplification Purpose and Benefit

The Use Case Simplification Initiative manages a tool-based Repository of reusable components, from existing use cases; where, the components can be used in the construction of new-or-revised use-case:

- The Use Case Repository components include Requirements, Actors and Entities, Roles, Scenarios, Events, Activities and Actions, which can be composed into Workflows of Actors with Roles, activities and Information Exchanges (Record-Entries, Documents, Messages, Services).
- Use-Case Events and Activities are defined by *pre-conditions* (e.g., Activity-Triggers), *invariant conditions* (e.g., Processes with Actors, Roles, Constraints, Activities and Actions) and *post-conditions* (e.g., produced Resources, constraints and next-steps)
- EHRIS-FM system functions can be mapped to reusable Use-Case components, which can be composed into new workflows.

Use Case Exchange Format Objective

uc EHR-S & PHR-S Reference CONOPS Model



- Standard, Non-Proprietary Exchange Format
 - Usable within NIST EHR suite-of-tools, such as Prometheus Use-Case Tool (UCT).
 - XMI or XML importable into UML Modelling Tools, such as Sparx Enterprise Architect (EA)
- The Use Case Repository components include Requirements, Actors and Entities, Roles, Scenarios, Events, Activities and Actions, which can be composed into Workflows of Actors, in Roles, performing activities and their Information Exchanges (Record-Entries, Documents, Messages, Services).
- Use-Case and Activity Model views and their layout

EHR-FM EA tool within NIST's EHR Tooling Strategy

