



Medical domain (ICPS)

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- **ICPS: International Classification for Patient Safety**
- To transform the ICPS into an ontology network
 - From ontology specification to implementation
 - Specific domains:
 - *Falls*
 - *Pressure ulcer*
- Reuse:
 - Ontological resources
 - Non-Ontological resources
- No public results

Domains and resources analysis

Legend

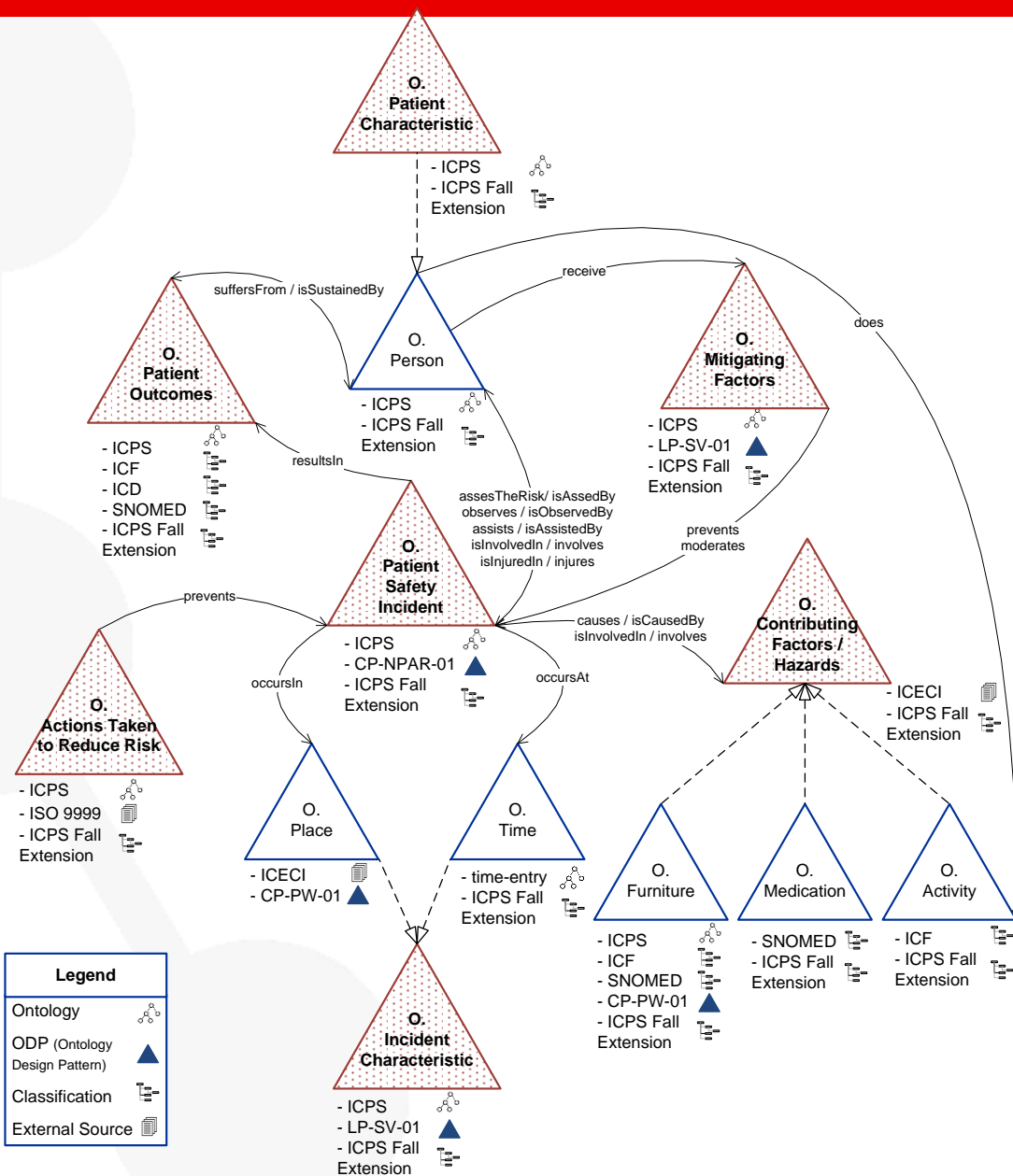
- Ontology (triangle with dots)
- ODP (Ontology Design Pattern) (triangle with blue border)
- Classification (triangle with horizontal lines)
- External Source (triangle with vertical lines)

Entities and their associated sources:

- O. Patient Characteristic** (Ontology): - ICPS, - ICPS Fall Extension
- O. Patient Outcomes** (Ontology): - ICPS, - ICF, - ICD, - SNOMED, - ICPS Fall Extension
- O. Patient Person** (ODP): - ICPS, - ICPS Fall Extension
- O. Patient Safety Incident** (Ontology): - ICPS, - CP-NPAR-01, - ICPS Fall Extension
- O. Patient Actions Taken to Reduce Risk** (Ontology): - ICPS, - ISO 9999, - ICPS Fall Extension
- O. Incident Characteristic** (Ontology): - ICPS, - LP-SV-01, - ICPS Fall Extension
- O. Mitigating Factors** (Ontology): - ICPS, - LP-SV-01, - ICPS Fall Extension
- O. Contributing Factors / Hazards** (Ontology): - ICECI, - ICPS Fall Extension
- O. Place** (ODP): - ICECI, - CP-PW-01
- O. Time** (ODP): - time-entry, - ICPS Fall Extension
- O. Furniture** (ODP): - ICPS, - ICF, - SNOMED, - CP-PW-01, - ICPS Fall Extension
- O. Medication** (ODP): - SNOMED, - ICPS Fall Extension
- O. Activity** (ODP): - ICF, - ICPS Fall Extension

Relationships:

- O. Patient Characteristic** suffersFrom / isSustainedBy **O. Patient Person**
- O. Patient Person** receives **O. Mitigating Factors**
- O. Patient Person** assessesTheRisk / isAssessedBy, observes / isObservedBy, assists / isAssistedBy, isInvolvedIn / involves, isInjuredIn / injures **O. Patient Safety Incident**
- O. Patient Safety Incident** resultsIn **O. Patient Outcomes**
- O. Patient Safety Incident** prevents **O. Patient Actions Taken to Reduce Risk**
- O. Patient Safety Incident** occursIn **O. Place**
- O. Patient Safety Incident** occursAt **O. Time**
- O. Patient Safety Incident** causes / isCausedBy, isInvolvedIn / involves **O. Contributing Factors / Hazards**
- O. Patient Safety Incident** prevents / moderates **O. Mitigating Factors**
- O. Patient Safety Incident** isInvolvedIn / involves **O. Furniture**, **O. Medication**, and **O. Activity**
- O. Patient Actions Taken to Reduce Risk** prevents **O. Patient Safety Incident**
- O. Incident Characteristic** isInvolvedIn / involves **O. Furniture**, **O. Medication**, and **O. Activity**
- O. Mitigating Factors** does **O. Patient Safety Incident**
- O. Contributing Factors / Hazards** does **O. Patient Safety Incident**



High level conceptual model

