



SNOMED CT[®] and the SEEDS Project

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Simulated E-hEalth Delivery System: SEEDS

- Background
 - IOM's Quality Chasm recommendation to teach students using clinical information systems
- Purpose
 - Provide teaching and learning tools to assist nursing students to develop competencies for full participation in the information age
- Academic-Business Partnership

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Importance of Using a Standardized Terminology

- Documentation of clinical detail over time (problems, interventions, outcomes)
- Structuring data entry (with flexibility of expression—novice to expert)
- Retrieval of coded data using multiple attributes and at different levels of specificity than originally coded
- Decision support (common links to clinical knowledge bases)
- Shared understanding across the continuum of care (different clinicians, different sites of care, different languages, different systems)

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Importance of Using a Standardized Terminology (cont)

- Identifying and monitoring health needs and outcomes by pooling data from multiple sources
- Auditing the quality of service and benchmarking
- Supporting research activities
- Enabling reporting of externally-specified health statistics—both clinical and educational
- Identifying individuals in need of proactive intervention

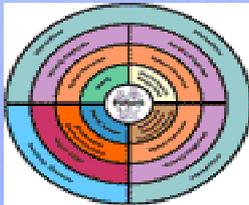
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Nursing Language Integration



ANA recognition with the integration of a variety of standardized nursing languages positions SNOMED CT as *the* vehicle for the analysis of recorded nursing data using the most widespread nursing interface terminologies in the US.



Perioperative Nursing Data Set (PNDS)



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Problem List

Verne, Octavia Eloise - 4018403290 Opened by Warren, Judy

Task Edit View Help

As Of 11:53 AM

Verne, Octavia Eloise **Age: 47 Years** **Sex: Female** **Location: 1 West Medica** Allergies ****
DOB: 12/24/1955 **MRN: 4018403290** **Fin Number:** **Inpatient [5/6/2003 11:59]**

Chart Summary Screen
 Flowsheet Form Browser Clinical Notes Orders **Patient Information** Intake and Output Pathways MAR ICU Flowsheet Direct Charting FS Task List

Patient Demographics Visit List **Problem List** PPR Summary Allergies Growth Chart

Display:

Name of Problem	Vocabulary	Code	Recorder	Onset Date	Life Cycle	Course	Ranking	Prognosis	Prognosis Awareness
Ineffective coping (individual)	SNOMED International	F-0B800	Warren, Judy	5/12/2003	Active	Stable	Primary	Good	Full
Ineffective coping	NANDA	69	Warren, Judy	5/12/2003	Active	Stable	Primary	Good	Full

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SNOMED CT Representation

Inability to Cope

IsA Finding related to the ability to cope

NANDA 00069

PNDS X68

HHCC E12

Synonyms:

Ineffective coping

Cannot cope

Unable to cope

Coping impairment

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SNOMED is 'CONCEPT' based

SNOMED CT allows for convergence of a variety of different user interface nursing languages.

**SNOMED:
Cast Care**

**SNOMED:
Cast Care
Treatments and
Procedures**

385695003

**SNOMED:
Maintenance
of
Cast**

**Billing Code:
999999**

**Nursing Codes:
HHCC A02.12

Omaha System 09.II

NIC 0762**

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Nursing's Need for Terminology

- Reveals the impact of Nursing care on patient outcomes
 - Clinical care
 - Nurse staffing and other administrative variables
- Provides clinically focused patient assessments
- Captures surveillance activities used to prevent complications
- Teaches students the language of clinical care and Nursing
 - Discipline specific
 - Multidisciplinary collaborative

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