

Objectives

- ► Gain a basic overview of the Clinical Care Classification (CCC) System
- Understand how CCC is mapped to SNOMED CT and LOINC to support interoperability between FHRs
- Understand how CCC is designed in the HDD (a terminology server)
- ► Gain a basic overview of mapsets

Project Goals

- ► Evaluate the CCC
- ► Evaluate mappings to SNOMED CT and LOINC
- ► Determine if it could be loaded into a terminology server



Clinical Care Classification System (CCC)

- ► Clinical Care Classification (CCC) recognized by ANA
- ▶ Two inter-related terminologies
 - ▶ Nursing Dx and Outcomes
 - ► Nursing Interventions and Actions
- Used to facilitate the capture of standard nursing data
- ▶ Evaluate and measure outcomes
- ► Improve practice
- Determine nursing care cost

Clinical Care Classification System (CCC)

- ▶ 4 Healthcare patterns
 - Physiological, Psychological, Functional, Health Behavioral
- ▶ 21 Care components (i.e. Activity, Cardiac, Respiratory)
- ▶ 176 CCC Nursing diagnosis/problem concepts
- ► 804 Nursing intervention and action concepts
- ▶ 528 Nursing outcome concepts
- ► Mapped to SNOMED CT and LOINC

Clinical Care Classification System (CCC)

- ► Coding structure (five alpha-numeric concepts)
 - ▶ 1st Alpha character (Care component: Activity: A)
 - 2^{nd-4th} Two or three digits (nursing Dx or Nursing Intervention)
 - ► Activity intolerance 01.1
 - ▶ 5th Represents outcome or intervention action type
 - ► Expected Outcome 'Improve' 1
- ► Full code for Activity Intolerance with an expected outcome of Improve is A01.1.1
- ► Full code for Activity Intolerance with the outcome has improved is the same A01.1.1

















