NKBDS Encoding & Modeling Workgroup

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July 1, 2019
Purpose

• Develop LOINC and SNOMED Clinical terms content for electronic health record nursing data and incorporate the content into a framework and repository for dissemination.
Clinical Value

• Improve communication for patient care
• Drive clinical decision support
• Track changes in patients’ conditions
• Enable longitudinal, patient-centered plan of care
• Reduce documentation burden
...and More Value

- Replicable CDS:
  - From dynamic data displays to hard-stop alerts
- Secondary data use:
  - EHR-derived quality reporting
  - Public health reporting
  - Research (multi-entity across data lakes & oceans)
- Make nursing (and our contributions) VISIBLE
Accomplishments

• Complete PIV/CVC modeling and mapping
  – Team analyzed past work
  – Added back interventions (originally omitted)
  – Technical review in progress
  – Clinical content validation planned

• Pain Model Content
  – Mapping completed
  – LOINC Nursing Subcommittee review completed
  – Scale Author Information Compiled
Accomplishments

• Education
  – LOINC Training completed (targeted for WG)
  – Developed content for Education Work Group

• Heuristics/Style Guide
  – Draft reviewed and presented at May meeting

• Publish Basic Physiologic Assessment in VSAC
  – Team reviewing the Physiologic Assessment now for QA purposes (consistency)
Next Steps

• PIV/CVC clinical content & model review
  – Information Model Validation team survey process
  – LOINC/SNOMED CT mapping, content gap analysis

• Continue to enhance WG member expertise
  – Repeat targeted LOINC training & recorded to educate broader audience within NKBDS

• Complete review of Physiologic Assessment

• Prioritize Pain assessment tools list
Next Steps

• Refine mapping heuristics & publish toolkit
• Plan for upcoming projects:
  – GU model
  – Nursing Admission History & Screening model
• Presentations in 2019-2020 to promote awareness, engagement
  – Abstract accepted: North Dakota Center for Nursing Conference (October, 2019)
  – 2020 SINI Abstract (preconference)
Questions

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