NKBDS Encoding & Modeling Workgroup

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Purpose

• Map and/or develop LOINC and SNOMED CT content for electronic health record nursing data and incorporate the content into a framework and repository for dissemination.
2019-2020 Projects

• Refine mapping heuristics & publish toolkit
• Content Development Process
• Pain Assessment Scales (prioritized)
  – N-PASS (approved, submission ready)
  – NIPS (approved, build in progress)
  – rFLACC (approved, build in progress)
  – CNPI (copyright permission requested)
  – PAINAD (awaiting copyright approval)
N-PASS

Neonatal Pain, Agitation, & Sedation Scale

• Pain Agitation Panel
  – Crying Irritability (scored 0 to +2)
  – Behavior State (scored 0 to +2)
  – Facial Expression (scored 0 to +2)
  – Extremities Tone (scored 0 to +2)
  – *Vital Signs HR, RR, BP, SaO2 (scored 0 to +2)
  – Total Score 0 to +11 (Preemie <30 weeks add +1)

*Defined as VS Variability; SpO2 is the actual measurement
N-PASS

• Sedation Panel
  – Crying Irritability (scored -2 to 0)
  – Behavior State (scored -2 to 0)
  – Facial Expression (scored -2 to 0)
  – Extremities Tone (scored -2 to 0)
  – *Vital Signs HR, RR, BP, SaO2 (scored -2 to 0)
  – Total Score -10 to 0

*Defined as VS Variability; SpO2 is the actual measurement
Process

• Developed the request spreadsheet
• Met with scale developer:
  – Requested guidance on questions
  – Requested clear definitions
  – Requested evidence (articles, clinical SME validation)
  – Final approval of representation
• See LOINC spreadsheet
New Content Requests

• Purpose:
  – Ensure content additions align with NKBDS goals & priorities
  – Create & validate accurate representation in LOINC & SNOMED CT
  – Institute content curation process, e.g.:
    • Validated clinical definitions
    • Evidence
    • Copyright
Content Request Management

• Institute requestor guidelines
  – Requests will be constrained to nursing value sets
  – Corrections and fully defined value additions to value sets can be fast-tracked (“business as usual”)
  – Evidence is required, including explicit definitions (all terms, including values)
  – Clinical SME validation required
  – Proprietary (usage fee required) instrument requests will not be accepted
Content Request Management

• Content will be copyrighted
• Content will be accessible to users/implementers, with appropriate documentation
• Assessment/observation & measure outcome content that is used internationally will be submitted to SCT (International Edition) as well as to LOINC
Questions

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