Update on representing synoptic cancer reporting variables

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Background

• 2003-2009 - Sets of codes created for concepts contained in various CAP cancer protocols

• 2011 - TNM staging terms created

• None of the terms above were requested by CAP or AJCC

• 2016 – separate requests from Royal College of Pathologists of Australasia (RCPA) and University of Nebraska to create new LOINCs for cancer reporting
  • University of Nebraska defining SNOMED CT cancer observables in the U. of Nebraska SNOMED CT Extension

• 2016 – AJCC contacted us about existing, outdated TNM staging concepts
As part of the RCPA and U. of Nebraska requests and AJCC communication, we began reviewing existing concepts.

- Found many terms that were not modeled correctly or were ambiguous
  - Includes generic terms with *Method CAP cancer protocols*
- TNM staging terms were outdated and no longer valid
Term updates

- Deprecated TNM staging terms and some ambiguous or erroneous cancer reporting terms
- Removed Method of CAP cancer protocols from several terms
- Updated some terms to clarify the meaning
- Set of terms that still need to be evaluated and either updated or deprecated
Discussion with CAP, AJCC, and RCPA

- We met separately with both CAP (Structured Data Team) and AJCC to obtain permission to include the CAP protocols and AJCC staging concepts in LOINC

- CAP granted us permission, and we created two panels:
  - 85904-1 Cancer pathology panel - Breast cancer specimen by CAP cancer protocols
  - 85905-8 Cancer pathology panel - Colorectal cancer specimen by CAP cancer protocols

- AJCC was interested in working together, but we have not heard from them in > 1 year
SNOMED CT and U. of Nebraska

- Fall 2017 – discussion surrounding synoptic cancer reporting, CAP, SNOMED CT observables in Nebraska extension, and Regenstrief-IHTSDO agreement
- December 2017 – CAP withdrew permission to create new LOINC content until the path forward between SNOMED CT and LOINC was settled
- 2018 – Nebraska extension continues to add synoptic cancer reporting observables
  - CAP working with Nebraska, but no licensing agreement with SNOMED International
  - Nebraska publications imply that SNOMED International has agreed to promote observable concepts to International edition
ICCR/RCPA

• In 2017, we also met with the International Collaboration on Cancer Reporting, which RCPA is a part of
• ICCR representatives were very interested in representing their data sets in LOINC
• We began the work of comparing ICCR data sets to CAP cancer protocols
• Have not had the bandwidth to move forward with this work, and unclear about the implications related to CAP/SNOMED CT/Nebraska