

# 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 LOINC<sup>s</sup> 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- 2016 – AJCC contacted us about existing, outdated TNM staging concepts

# Review of existing terms

- 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- TNM staging terms were outdated and no longer valid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