

# Smoking Status

# History (Ancient)



- [C-CDA Smoking Status MU](#) template was developed early in the Meaningful Use stages (2010)
  - Bound to the [Smoking Status](#) SNOMED CT value set
  - These SNOMED CT codes correspond to “[Recodes](#)” that were the basis of smoking status CDC data collection since 1970
  - These concepts are temporal codes that are somewhat confusing if anything but a timestamp is applied to the observation
- C-CDA developed a [Tobacco Use](#) template (or retained?) for communication of more clinically useful information
  - Uses broader set of terms in the [Tobacco Use](#) value set from the SNOMED CT Tobacco Use hierarchy\*

# History (Not So Ancient)



- [US Core Smoking Status](#) (2017)
- Kinda sorta modeled after C-CDA Smoking Status Template in response to USCDI V1 Smoking Status Data element
  - Observation.value has a min binding to [Smoking Status](#) SNOMED CT value set and
  - Max binding to all of SNOMED CT
  - Constrains to dateTime timestamp
- USCDI V1 does not mention the Smoking Status codes from MU

# Prerequisite for Path Forward

1. Confirm with ONC that SNOMED CT “Recode” based codes are no longer specifically required for certification
2. If true, then - discuss options on next slides

# Options

## C-CDA

1. Do nothing
2. Delete or Deprecate [C-CDA Smoking Status MU](#) template and Retain [Tobacco Use](#) template and improve [Tobacco Use](#) value set
3. √Retain [C-CDA Smoking Status MU](#) template, change name (to remove “MU”) and bind to an improved [Tobacco Use](#) value set, and loosen effective time binding (and delete or Deprecate [Tobacco Use](#) )
4. ?

## US Core

1. Do nothing
2. √Retain [US Core Smoking Status](#)
  - a. Add “tobacco use”, “pack/day”, “packyear” LOINC to Observation.code valueset ( extensible)
  - b. bind to an improved [Tobacco Use](#) value set
  - c. Remove max binding to all of SNOMED CT
  - d. Loosen effective time binding - add a period
3. Create a new smoking profile to mirror CCDA current state
4. Deprecate the smoking profile and Use Assessment and Screenings framework

## Both

- 🤔 Change to a name that makes sense for value set content (clinical purpose)? ( this may be consider breaking - consider an alias instead)

# What do we mean by “Improved” Value set?

Improve value set (and backwards compatible):

- Add the 3 missing codes from the [Smoking Status](#) value set that are not currently in the [Tobacco Use](#) value set
- Add 722499006 | Electronic cigarette user (finding) | hierarchy
- Review Tobacco Use SNOMED hierarchy for completeness
- The improved set will contain a mix of temporal codes and not temporal codes\*
- Develop a value set for use at Observation.code to replace single value binding
  - E.g. Tobacco Use, Smoking Status, pack/day, pack years