User-defined Patient Age in RCKMS

End User Training
August 13, 2024

Background - Implementing Birth Defects

Reporting Specifications ☐ Show Inactive Criteria

	Provider/Facility Reporting (DX)		Provider/Facility Reporting (DX+DEM)		Vital Records (Not Yet Implemented)	
Reporting Time Frame	0	▼	0	▼	0	▼
Clinical						
Cleft Lip with Cleft Palate (as a diagnosis or active problem)		▼	Necessary	▼		▼
Fetal Cleft Lip with Cleft Palate (as a diagnosis or active problem) (Not implemented – no codes available)	Sufficient	▼		▼		▼
Demographic						
Patient age < 1 year		▼	Necessary	▼		▼
Patient age < 2 years		▼		▼		▼
Patient age < 21 years		▼		▼		▼
Patient age < 3 years		▼		▼		▼
Patient age < 4 years		▼		▼		▼

Save Reporting Specification   Apply   Close

- Reporting requirements vary between jurisdictions
- PHAs are limited to the pre-defined values
- Multiple criteria were required to offer as much flexibility as possible
- Less than ideal user experience

Goals of the Implementation

- Provide the PHAs with additional flexibility for authoring patient age criteria, without sacrificing the integrity of the logic statements or increasing the risk of inaccurate reportability determinations
- Improve the user experience of authoring Reporting Specifications where the age criteria can vary widely
- Reduce the need for re-authoring of Reporting Specifications to implement user-defined patient age, wherever possible

Demonstration

Implementation Notes

1. PHAs will ONLY encounter the validation errors that prevent publishing if the Patient Age criteria becomes undefined. ***All of the CR12 Reporting Specifications have a pre-defined patient age value.***
2. Only the ***latest version*** of 25 conditions in CR12 include Patient Age criteria that can be defined by the PHAs.
    a. 24 Conditions in the "Birth Defects and Infant Disorders" Category + Varicella
    b. The PHAs must be on the latest version of the RS to be able to update the patient age values.
3. At the time of the CR12 release, PHAs can only test the latest version of the reporting specifications with patient age criteria using eICR test cases.
    a. PHAs should reach out to their ASAs if they need assistance with testing their rules.

Key Takeaways

1. When CR12 is released on August 16th, there will be 25 Reporting Specifications that include user-defined patient age criteria
    a. 24 Conditions in the "Birth Defects and Infant Disorders" Category with a "Release 20240628" version
    b. Varicella, version "7.0 Release 20240628"
2. All 25 default Reporting Specifications released with CR12 can be published without requiring any additional changes by the PHAs (all include a pre-defined patient age value).
3. PHAs can define a single patient age value or an interval for criteria that allow user-defined patient age.

Key Takeaways

3. There are multiple ways PHAs can clear the validation errors (i.e. Red Messages):
    a. Level 1 validation - data entry validation within the Criteria Editor
        i.   Complete all 3 required data fields (operator, value, and units)
    b. Level 2 validation - publishing validation for the Reporting Specification
        i.   Complete the logic within the patient age criterion
        ii. Remove the Sufficient, Necessary, or Optional designation on the patient age criterion
        iii. Inactivate the patient age criterion
4. PHAs can only test the latest version of the reporting specifications with patient age criteria using eICR test cases (not criteria test cases).