Summary of Changes to the Data Dictionary – Pediatric v2.0

This summary provides an overview of the changes made from version 1.1 to 2.0 of the Pediatric Sepsis and COVID-19 Data Dictionary. This update addresses issues identified during previous data submission periods. In addition, we made corrections and clarifications based on feedback we received via the helpdesk and during code sharing meetings. Finally, because the information in the appendices and csv file is duplicative, appendices will no longer be made available. With the removal of the Appendix document, the applicable ICD-10/NDC codes are found in the csv file of the corresponding version of the data dictionary.

The following changes will not affect file extraction and should **not** require modification of code for file extraction.

Data Dictionary

- Added language clarifying that for patients who are not admitted to the hospital (i.e., ED/Observation only), the patients' age at arrival should be used to determine reporting to the adult or the pediatric database.
- The following variables were changed from mandatory variables to mandatory variables allowing for blanks. This will prevent file rejection by the portal in rare instances where data are truly unattainable from the EHR.
    - *Demographic Variables*
        - *ICD-10-CM (POA) Indicator (n)*
        - *Insurance Number*
- Notes for Abstraction for the *Payer* variable in *Demographic Variables* were updated for clarification.
    - If the patient has no insurance prior to admission and is pending Medicaid approval during hospitalization, please report the payer as Medicaid.
- Descriptions of chronic conditions were updated for several *Comorbidity/Risk Factor Variables*.
- Notes for Abstraction regarding POA reporting were updated for several *Comorbidity/Risk Factor Variables*.
- Additional clarification and correction to notes of abstraction.

The following changes will affect file extraction and will **require** modification of code for file extraction.

Data Dictionary

- The following variables were **added**:
    - *Demographic Variables:*
        - *Inclusion Septic Shock*
        - *Inclusion COVID-19*
        - *Inclusion Severe Sepsis*
        - *Patient City*
        - *Patient County Code*
        - *Patient Street Address Line 1*
        - *Patient Street Address Line 2*
        - *Patient State*

- o The following variables were **removed**:
  - o *Comorbidity/Risk Factor Variables:*
    - ▪ *Altered Mental Status (POA)*
    - ▪ *Medication Anticoagulation (POA)*
  - o *Treatment (in hospital) Variables:*
    - ▪ *During Hospital Anticoagulation*
  - o *Outcome (at discharge) Variables:*
    - ▪ *Cardiovascular Outcomes at Discharge*
  - o *Outcome (in hospital) Variables:*
    - ▪ *PE/DVT*
- o Data Element and Template Variable names were updated for the following *Comorbidity/Risk Factor Variables* to remove references to POA indicators:

Acquired Absent Spleen	Diabetes	Obesity
AIDS/HIV Disease	History of COVID-19	Pregnancy Comorbidity
Asthma	History of COVID-19 Datetime	Prematurity
Bronchopulmonary Dysplasia	History of Other Cardiovascular Disease	Sickle Cell Disease
Chronic Liver Disease	Hypertension	Skin Disorders/Burns
Chronic Kidney Disease	Immunocompromising	Smoking Vaping
Chronic Respiratory Failure	Lymphoma/Leukemia/Multiple Myeloma	Stem Cell Transplant Recipients
Congestive Heart Failure	Medication Immune Modifying Pre-Hospital	
Cystic Fibrosis	Metastatic Cancer	

- o Modified variable name of *Chronic Renal Failure (POA)* in the *Comorbidity/Risk Factor Variables* section of the data dictionary to: *Chronic Kidney Disease*.
- o Revised the name of all pediatric csv files to distinguish from the adult csv files by adding "ped" to the beginning of the csv file name.
- o Updated Description and Notes for Abstraction for *History of COVID-19* in the *Comorbidity/Risk Factor Variables* section of the data dictionary to indicate specified timeframe:
  - o Description
    - ▪ Indicates that the patient has a history of a positive COVID-19 test within 12 weeks prior to admission/arrival to the hospital
  - o Notes for Abstraction
    - ▪ Report "1" when the patient has a history of positive COVID-19 test within 12 weeks prior to arrival to the hospital. If there is a positive test, even if later followed by a negative test, then report the positive test date.

- o Updated Codes and Values and Notes for Abstraction for *ICD-10-CM POA Indicator (n)* in the *Demographic Variables* section of the data dictionary:
  - o Codes and Values
    - Replaced "E = Exempt from POA reporting" to "1 = Unreported/Not used. Exempt from POA reporting"
  - o Notes for Abstraction
    - *ICD-10-CM POA Indicator (n)* is not applicable to emergency department (ED)/observation only cases. For ED/observation only cases, report as blank.
- o Modified the inclusion definition for reportable pediatric cases:
  - o **Include**
    - ED and Observation Severe Sepsis and/or Septic Shock cases should be reported (continue to exclude ED and Observation COVID-19 cases without a severe sepsis and/or septic shock diagnosis)
    - All newborn patients who expired during their birth hospitalization (this removes the historical exclusion for 'non-discharged newborns' which is defined as newborns who expired during their birth hospitalization)
  - o **Removed**
    - The following ICD-10-CM codes from the list of COVID-19 inclusion codes

M358	Other specified systemic involvement of connective tissue
M3589	Other specified systemic involvement of connective tissue

- o For the pediatric csv file, typos were corrected in the file name for the following csv files:
  - o ped_sickle_cell_disease_code_VerDX.X.csv
  - o ped_skin_disorders_burn_disease_code_VerDX.X.csv

ICD-10 codes

- The following ICD-10 codes were **added**:
  - o Dialysis Treatment [ped_dialysis_treatment_code_VerDX.X.csv]

3E1M39Z	Peritoneal Dialysis

- The following ICD-10 codes were **removed**:
  - o Dialysis Treatment [ped_dialysis_treatment_code_VerDX.X.csv]

5A1D00Z	Performance of Urinary Filtration Single
5A1D60Z	Performance of Urinary Filtration Multiple

NDC codes

- o NDC codes were updated for the following variables:
  - o *Comorbidity/Risk Factor Variables:*
    - ▪ *Medication Immune Modifying Pre-Hospital*
  - o *Treatment (in hospital) Variables:*
    - ▪ *During Hospital Immune Modifying Medication*