

PECARN Core Data Project (PCDP): 2009-2019

Overview of Public Use Datasets

This document provides an overview of the general principles used in creating the public use datasets for the Pediatric Emergency Care Applied Research Network (PECARN) Core Data Project (PCDP), years 2009 through 2019. There are a total of five datasets per year available as both CSV and SAS® (.SAS7BDAT) files (with formats and labels). Accompanying documentation and resources provided include this document, the study protocol, a summary of required data elements and specifications used by submitting hospital emergency department affiliates when submitting data, and PDF documents summarizing variables in each dataset. For SAS software users, an example script to set up a SAS library and apply SAS formats is also provided. Please see the attached Research Data Use Agreement (RDUA) for a description of intended use and disclaimer.

GENERAL PRINCIPLES FOR CREATION OF DATASET

1. The population for the public use dataset is all ED visits submitted to the PECARN Core Data Project for the calendar year.
2. The datasets are based on data submitted by PECARN Hospital Emergency Department Affiliates from local information systems.
3. Open text fields (e.g. chief complaints) have been removed.
4. Within each dataset, the Visit and Patient fields are masked identifiers. Visit uniquely identifies the ED visit within a year. Patient uniquely identifies a patient across years. A single Patient may have multiple Visits across multiple years.

LIST OF PUBLIC USE DATASETS AVAILABLE

- **Visit information (Visit[YEAR]):** Includes ED Visit data. One row per ED visit is included. The following variables make up the dataset: Year, Visit, Patient, Gender, Race, Ethnicity, TriageCat, PayerType, EDDisposition, ModeOfArrival, AgeInYears, AgeInMonths, AgeInDays, TriageDayOfWeek, TriageHour, TriageToDischargeMinutes
- **CPT Codes (CPT[YEAR]):** Includes a row per CPT code, with multiple rows per visit possible. The following variables are included: Visit, Patient, Year, CPT (formatted as #####)
- **Diagnosis Codes (Diagnosis[YEAR]):** Includes a row per ICD-9 diagnosis code, with multiple rows per visit possible. The following variables are included: Visit, Patient, Year, DX (formatted as ###.##)
- **External Causes of Injury Codes (Ecode[YEAR]):** Includes a row per ICD-9 E-code, with multiple rows per visit possible. The following variables are included: Visit, Patient, Year, Ecode (formatted as E###.#)
- **Procedure Codes (Ecode[YEAR]):** Includes a row per ICD-9 Procedure code, with multiple rows per visit possible. The following variables are included: Visit, Patient, Year, ProcCode (formatted as ##.##)

MAP OF CODED VALUES

Variable Name	Dataset Name	SAS Format Name and Map of coded values
Year	All	Numeric (integer)
Visit	all	Numeric (integer)
Patient	All	Numeric (integer)
Gender	Visit[Year]	\$GENDER M = Male F = Female U = Stated Unknown
Race	Visit[Year]	RACE 1 American Indian or Alaskan Native 2 Asian 3 Black or African American 4 Native Hawaiian or Other Pacific Islander 5 White 6 Multiple Races 7 Stated Unknown 8 Other
Ethnicity	Visit[Year]	ETHNICITY 1 Hispanic 2 Non-Hispanic 3 Stated Unknown
TriageCat	Visit[Year]	TRIAGECAT 1 Critical 2 Emergent 3 Urgent 4 Not-urgent 5 Non-acute 6 Unknown
PayerType	Visit[Year]	PAYERTYPE 1 Commercial Insurance 2 Medicaid (including SCHIP) 3 Medicare 4 Other 5 Other Governmental Insurance (including CHAMPUS/TRICARE) 6 Self Pay 7 Workers Compensation
EDDisposition	Visit[Year]	EDDISPOSITION 1 23 Hour Observation Unit/RTU 2 Admitted 3 Left Against Medical Advice

		4 Died 5 Discharged 6 Left Without Treatment 7 Other 8 Stated Unknown 9 Transferred
ModeOfArrival	Visit[Year]	MODEOFARRIVAL 1 EMS Air 2 EMS Ground 3 Non-EMS/Walk-in 4 Other 5 Stated Unknown
AgeInYears	Visit[Year]	Numeric (integer) 0 - 18
AgeInMonths	Visit[Year]	Numeric (integer) 0-227
AgeInDays	Visit[Year]	Numeric (integer)
TriageDayofWeek	Visit[Year]	TRIAGEDAY 1 Sunday 2 Monday 3 Tuesday 4 Wednesday 5 Thursday 6 Friday 7 Saturday
TriageHour	Visit[Year]	Numeric (integer)
TriageToDischargeMinutes	Visit[Year]	Numeric (integer)
CPT	CPT[Year]	Character
DX	Diagnosis[Year]	Character
Ecode	Ecode[Year]	Character
ProcCode	ProcCode[2009]	Character