

## SENTINEL SPECIFICATION

### SYNPUF TRANSLATION TO SENTINEL COMMON DATA MODEL:

### DESCRIPTIVE STATISTICS

**Prepared by:** David V. Cole<sup>1</sup>, Lauren Zichittella<sup>1</sup>, Andrew Petrone<sup>1</sup>, April DuCott<sup>1</sup>

**Author Affiliations:** 1. Department of Population Medicine, Harvard Pilgrim Health Care Institute, Harvard Medical School, Boston, MA

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The Sentinel System is sponsored by the [U.S. Food and Drug Administration \(FDA\)](#) to proactively monitor the safety of FDA-regulated medical products and complements other existing FDA safety surveillance capabilities. The Sentinel System is one piece of FDA's [Sentinel Initiative](#), a long-term, multi-faceted effort to develop a national electronic system. Sentinel Collaborators include Data and Academic Partners that provide access to healthcare data and ongoing scientific, technical, methodological, and organizational expertise. The Sentinel Coordinating Center is funded by the FDA through the Department of Health and Human Services (HHS) Contract number HHSF223201400030I. This project was funded by the FDA through HHS Mini-Sentinel contract number HHSF223200910006I.

This document provides explanation of the variables in the Descriptive Statistics dataset (descriptive\_stats.sas7bdat) included with each SynPUFs Sentinel Common Data Model (SCDM) subsample package. The dataset contains one record per SynPUFs subsample and describes the contents of each set of tables after translation from SynPUFs to SCDM format.

Variable	Description
SubSample	SynPUFs subsample number
PatIDs	Count of unique PatID values
Pats_Under18	Count of unique PatID values where the patient was under 18 years of age on date of earliest enrollment
Pats_18to64	Count of unique PatID values where the patient was between 18 and 64 years of age on date of earliest enrollment
Pats_65plus	Count of unique PatID values where the patient was at least 65 years of age on date of earliest enrollment
Pats_SexA	Count of unique PatID values where Sex = A (Ambiguous)
Pats_SexF	Count of unique PatID values where Sex = F (Female)
Pats_SexM	Count of unique PatID values where Sex = M (Male)
Pats_SexU	Count of unique PatID values where Sex = U (Unknown)
Pats_Race0	Count of unique PatID values where Race = 0 (Unknown)
Pats_Race1	Count of unique PatID values where Race = 1 (American Indian or Alaska Native)
Pats_Race2	Count of unique PatID values where Race = 2 (Asian)
Pats_Race3	Count of unique PatID values where Race = 3 (Black or African American)
Pats_Race4	Count of unique PatID values where Race = 4 (Native Hawaiian or Other Pacific Islander)
Pats_Race5	Count of unique PatID values where Race = 5 (White)
EncounterIDs	Count of unique EncounterID values
EncounterIDs_AV	Count of unique EncounterID values where encounter type = AV (Ambulatory Visit)
EncounterIDs_ED	Count of unique EncounterID values where encounter type = ED (Emergency Department)
EncounterIDs_IP	Count of unique EncounterID values where encounter type = IP (Inpatient Hospital Stay)

Variable	Description
EncounterIDs_IS	Count of unique EncounterID values where encounter type = IS (Non-Acute Institutional Stay)
EncounterIDs_OA	Count of unique EncounterID values where encounter type = OA (Other Ambulatory Visit)
Mean_Encounters_PatID	Mean count of unique EncounterID values per unique PatID
Median_Encounters_PatID	Median count of unique EncounterID values per unique PatID
Min_Encounters_PatID	Minimum count of unique EncounterID values per unique PatID
Max_Encounters_PatID	Maximum count of unique EncounterID values per unique PatID
Dispensings	Count of prescription drug dispensing records
Mean_Dispensings_PatID	Mean count of prescription drug dispensing records per unique PatID
Median_Dispensings_PatID	Median count of prescription drug dispensing records per unique PatID
Min_Dispensings_PatID	Minimum count of prescription drug dispensing records per unique PatID
Max_Dispensings_PatID	Maximum count of prescription drug dispensing records per unique PatID
EnrollMonths_MedDrug	Count of enrollment months where patients have concurrent medical and drug coverage
EnrollMonths_MedOnly	Count of enrollment months where patients have medical coverage with no concurrent drug coverage
EnrollMonths_DrugOnly	Count of enrollment months where patients have drug coverage with no concurrent medical coverage

Variable	Description
N_Obs_Demographic	Count of observations (records) in the SCDM Demographic table
N_Obs_Enrollment	Count of observations (records) in the SCDM Enrollment table
N_Obs_Dispensing	Count of observations (records) in the SCDM Dispensing table
N_Obs_Encounter	Count of observations (records) in the SCDM Encounter table
N_Obs_Diagnosis	Count of observations (records) in the SCDM Diagnosis table
N_Obs_Procedure	Count of observations (records) in the SCDM Procedure table
N_Obs_Death	Count of observations (records) in the SCDM Death table