# SENTINEL SAS MACRO TOOLKIT:

## Data Subset Creation Tool

## (%MS_FREEZEDATA)

**Documentation version: 1.1**

**Prepared by the Sentinel Operations Center**

**For use with Data Subset Creation Tool version 1.1**

**March 25, 2016**

# Data Subset Creation Tool

## 1. Introduction

When analyzing data, a user may wish, for reasons of continuity and reproducibility, to freeze or preserve a dataset in the state in which it existed at the time a particular analysis was completed.

## 2. Program Objectives

This program takes a user-specified dataset containing a list of member identifiers and uses it as a look-up table in order to extract a subset of patient-level data from another input dataset to store in an output dataset.

## 3. Parameter Specifications

| Program Macro Variable Name | Short Description | Long Description |
|---|---|---|
| INFILE | Dataset with patient-level data | **Details** The name of the dataset (.SAS7BDAT file format) from which the patient level data will be extracted. This file must have a variable named PatId.<br><br>**Input type:** Required, referenced with *LIBREF.SAS-data-set*<br><br>**Format**: text<br><br>**Example**: INFILE = indata.Enrollment |
| PATLISTINFILE | Dataset with list of patients | **Details** The name of the dataset containing the list of patients (.SAS7BDAT file format). This file also must have a variable named PatId.<br><br>**Input type:** Required, referenced with *LIBREF.SAS-data-set.*<br><br>**Format**: text<br><br>**Example**: PATLISTINFILE = indata.PatList |
| OUTFILE | Output file with subset of patient level data | **Details:** The name of the output data set (.SAS7BDAT file format).<br><br>**Input type:** Required, referenced with *LIBREF.SAS-data-set.*<br><br>**Format**: text<br><br>**Example**: OUTFILE = outdata.Frozen_Enroll |

## 4. Outputs

The output dataset consists of a subset of INFILE with patients found in PATLISTINFILE.

## 5. Example

In the following example, the %MS_FREEZEDATA macro is used to subset members from a dataset named ENROLLMENT using a list of patients from a dataset named PATLIST. The following parameters are used in the macro call:

```
%MS_FREEZEDATA(INFILE=indata.ENROLLMENT,

        STARTDT=indata.PATLIST,

        OUTFILE=outdata.FROZEN_ENROLL

    );
```

The results are outputted to the FROZEN_ENROLL dataset.