

# **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**

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## 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	<p><b>Details</b> 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.</p> <p><b>Input type:</b> Required, referenced with <i>LIBREF.SAS-data-set</i></p> <p><b>Format:</b> text</p> <p><b>Example:</b> INFILE = indata.Enrollment</p>
PATLISTINFILE	Dataset with list of patients	<p><b>Details</b> The name of the dataset containing the list of patients (.SAS7BDAT file format). This file also must have a variable named PatId.</p> <p><b>Input type:</b> Required, referenced with <i>LIBREF.SAS-data-set</i>.</p> <p><b>Format:</b> text</p> <p><b>Example:</b> PATLISTINFILE = indata.PatList</p>
OUTFILE	Output file with subset of patient level data	<p><b>Details:</b> The name of the output data set (.SAS7BDAT file format).</p> <p><b>Input type:</b> Required, referenced with <i>LIBREF.SAS-data-set</i>.</p> <p><b>Format:</b> text</p> <p><b>Example:</b> OUTFILE = outdata.Frozen_Enroll</p>

## 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.