**Identifying Out-of-Hospital Death in MarketScan**

Collaboration between UNC Pharmacoepidemiology and Truven Health Analytics

09 March 2017

1. **Files sent to Truven:**
   1. Dataset:
      1. disenroll\_cohort.sas7bdat

Dataset containing patients disenrolling from MarketScan between January 1, 2006 and October 31, 2011 with at least 1 year of continuous enrollment prior to disenrolling.

* + 1. Disenroll\_cohort\_contents\_28FEB2017.rtf

Proc contents output describing disenroll\_cohort dataset

* 1. Programs
     1. OOH\_processing\_macros.sas

Macros that will be used to summarize patients according to death status . This program should be saved somewhere and %included in the OOH\_death\_analysis.sas program

* + 1. OOH\_death\_analysis.sas

Calls macros defined in processing\_macros.sas

The following parameters will need to be specified:

|  |  |
| --- | --- |
| **Input Parameters** | **Description** |
| Input\_path | Directory location of input dataset |
| Input\_dsn | Name of input dataset |
| Output\_path | Directory for results to be output |
| Death\_var | Name of binary variable with 1=death, 0=no death in SSDI |
| Death\_date | Date variable for deate of death in SSDI |
| Create\_table\_1 | Binary switch parameter – set to 1 to run code creating Table 1 summary |
| Summarize\_death\_date | Binary switch parameter – set to 1 to run code summarizing time beween death and disenrollment |
| Run\_Algorithms | Binary switch parameter - set to 1 to run proc logistic code predicting death |

1. **Data Prep to be done by Truven:**
   1. Subset disenroll\_cohort.sas7bdat to patients with SSI linkage available
   2. Create a numeric variable **death\_date**

Equal to death date from the SSDI

Missing if no death date is found in the SSDI

* 1. Create a binary variable **death\_flag**

1 = death date within 30 days of **disenroll\_date**

0 = no death date within 30 days of **disenroll\_date**

* 1. Final dataset should be called disenroll\_cohort\_death.sas7bdat
     1. This should be the input dataset specified in the create\_summary macro in the OOH\_death\_analysis.sas program

1. **Expected Output Returned to UNC**

-table1\_ccae.sas7bdat

-table1\_ccae\_male.sas7bdat

-table1\_ccae\_female.sas7bdat

-age\_stats\_ccae.sas7bdat

-table1\_mdcr.sas7bdat

-table1\_mdcr\_male.sas7bdat

-table1\_mdcr\_female.sas7bdat

-age\_stats\_mdcr.sas7bdat

-histogram.rtf

-ccae\_estimates.sas7bdat

-ccae\_estimates\_male.sas7bdat

-ccae\_estimates\_female.sas7bdat

-mdcr\_estimates.sas7bdat

-mdcr\_estimates\_male.sas7bdat

-mdcr\_estimates\_female.sas7bdat

-CCAE.sge

-CCAE\_Male.sge

-CCAE\_Female.sge

-MDCR.sge

-MDCR\_Male.sge

-MDCR\_Female.sge

**-**ROC\_Curves.pdf