SAS Code for Campaign Measure 2

INSTRUCTIONS

1. Copy the SAS code below into your SAS program
2. Update the highlighted fields using the key below to reflect the variables in your local system (as labeled in your excel file)
3. Run the Code
4. The denominator is obtained from the line 4 of the program above (red highlighted). The 'LOG' screen will give you a message for example, "NOTE: Table WORK.UNIQUEMR created, with 200 rows and 1 columns". From here, you know your denominator is 200.
5. For the numerator, the table will appear as shown below in the 'OUTPUT' screen. The numerator is the frequency for the retention value =1 (red highlighted). In this example it is '150'.
6. For this example, your result for in+care measure #2 is 150/200 = 75%.

retention	Frequency	Cumulative Percent	Cumulative Frequency	Percent
0	50	##	##	##
1	150	##	##	##

LIBRARY NAME
* incare06 (can be named anything, this is how the file names below are organized in SAS)

FILE NAMES
* measure2 (an excel file containing *mr* and *visdate*, exported from main EHR, AIRS, or any other data source)
* death (an excel file containing mr and whether patient has died during the review period. This step is not necessary if deceased people have been removed from the 'measure2' file)

VARIABLE NAMES
* mr (medical record #)
* visdate (visit date)

SAS CODE

```
proc contents data=incare06.measure2;run;
data measure2; merge incare06.measure2 incare06.death(in=in1); by mr; if not in1; run;
data a; set measure2; if '01apr2010'd <= visdate <= '30sep2010'd;run;
proc sql; create table uniquemr as select distinct mr from a; quit; /*this is the DENOMINATOR*/
data first6Mfirstd; set a (rename=(visdate=firstdt1st6M));by mr;if first.mr ;run;
data measure2_;merge measure2 uniquemr(in=in1);by mr;if in1;run;
data b;set measure2_;if '01oct2010'd <= visdate <= '31mar2011'd;run;
data second6Mfirstd;set b(rename=(visdate=firstdt2nd6M));by mr;if first.mr ;run;
data second6Mlastd;set b(rename=(visdate=lastdt2nd6M));by mr;if last.mr ;run;
data c;set measure2_;if '01apr2011'd <= visdate <= '30sep2011'd;run;
data third6Mfirstd;set c(rename=(visdate=firstdt3rd6M));by mr;if first.mr ;run;
data third6Mlastd;set c(rename=(visdate=lastdt3rd6M));by mr;if last.mr ;run;
data d;set measure2_;if '01oct2011'd <= visdate <= '01apr2012'd;run;
data fourth6Mfirstd;set d(rename=(visdate=firstdt4th6M));by mr;if first.mr ;run;
data fourth6Mlastd;set d(rename=(visdate=lastdt4th6M));by mr;if last.mr ;run;
data all;merge First6mfirstd second6mfirstd second6mlastd third6mfirstd third6mlastd fourth6mfirstd
fourth6mlastd;
by mr;run;
data all1;set all;retention=1;df1=lastdt2nd6M - firstdt1st6M ;df2=lastdt3rd6M - firstdt2nd6M ;
df3=lastdt4th6M - firstdt3rd6M ;if df1<60 or df2<60 or df3<60 then retention=0;run;
proc freq data=all1;table retention;run;
```