

Reserved Words in the Macro Facility:

<i>Macro Facility Reserved Words</i>				
ABEND	END	LENGTH	QKUPCASE	SYSEVALF
ABORT	EVAL	LET	QSCAN	SYSEXEC
ACT	FILE	LIST	QSUBSTR	SYSFUNC
ACTIVATE	GLOBAL	LISTM	QSYSFUNC	SYSGET
BQUOTE	GO	LOCAL	QUOTE	SYSRPUT
BY	GOTO	MACRO	QUPCASE	THEN
CLEAR	IF	MEND	RESOLVE	TO
CLOSE	INC	PAUSE	RETURN	TSO
CMS	INCLUDE	NRSTR	RUN	UNQUOTE
COMANDR	INDEX	ON	SAVE	UNSTR
COPY	INFILE	OPEN	SCAN	UNTIL
DEACT	INPUT	PUT	STOP	UPCASE
DEL	KCMPRES	NRBQUOTE	STR	WHILE
DELETE	KINDEX	NRQUOTE	SYSCALL	WINDOW
DISPLAY	KLEFT	METASYM	SUBSTR	
DMIDSPLY	KLENGTH	QKCMPPRES	SUPERQ	
DMISPLIT	KSCAN	QKLEFT	SYMDEL	
DO	KSUBSTR	QKSCAN	SYMEXIST	
EDIT	KTRIM	QKSUBSTR	SYMGLOBL	
ELSE	KUPCASE	QKTRIM	SYMLOCAL	

ALISAH		_____	_____	<input type="checkbox"/> No Data Collected
		Site ID	Subject ID	

ALISAH Form 05 : Vital Signs v1

ALISAH Trial Version1 05 May 2006

1	Date of assessment	_____ (dd-mmm-yyyy)
2	Maximum central venous pressure	_____ mm Hg
3	Minimum central venous pressure	_____ mm Hg
4	Fluid Balance	Intake _____ cc
5		Output _____ cc
6	Vital Signs	Weight _____ kg
7		Maximum systolic blood pressure _____ mm Hg
8		Minimum systolic blood pressure _____ mm Hg
9		Maximum diastolic blood pressure _____ mm Hg
10		Minimum diastolic blood pressure _____ mm Hg
11		Maximum mean arterial blood pressure _____ mm Hg
12		Minimum mean arterial blood pressure _____ mm Hg
13		Maximum heart rate _____ Beats/min
14		Minimum heart rate _____ Beats/min
15		Maximum respiratory rate _____ Breaths/min
16		Minimum respiratory rate _____ Breaths/min
17		Maximum body temperature _____ <input type="checkbox"/> °C <input type="checkbox"/> °F
18		Minimum body temperature _____ <input type="checkbox"/> °C <input type="checkbox"/> °F

General Comments :


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*****
*                               VITAL SIGNS MACRO                               *
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DATA FORM05;
SET ALISAH.FORM05;
SUBJECTID=ZSUBJECTID;
MAX_CVPRESS=F05Q02;
WEIGHT=F05Q06;
MAX_SBP=F05Q07;
MAX_DBP=F05Q09;
MIN_DBP=F05Q10;
MAX_HR=F05Q13;
KEEP SUBJECTID ZVISITID MAX_CVPRESS WEIGHT MAX_SBP MAX_DBP MAX_HR;
RUN;

PROC SORT DATA=FORM05 OUT=FORM05T; BY SUBJECTID ZVISITID; RUN;

~MACRO TO CREATE MULTIPLE DATA SETS-(ONE FOR EACH DAY OF VITALS;
%MACRO VITALS(DAY, VISIT);
DATA &DAY._VITAL (KEEP=SUBJECTID MAX_CVPRESS& WEIGHT&DAY MAX_SBP&DAY
MAX_DBP&DAY MIN_DBP&DAY MAX_HR&DAY);

SET FORM05T;
IF ZVISITID=&VISIT;
MAX_CVPRESS&DAY=MAX_CVPRESS;
WEIGHT&DAY=WEIGHT;
MAX_SBP&DAY=MAX_SBP;
MAX_DBP&DAY=MAX_DBP;
MAX_HR&DAY=MAX_HR;
LABEL MAX_CVPRESS&DAY="MAXIMUM CENTRAL VENOUS PRESSURE&DAY.";
LABEL WEIGHT&DAY="WEIGHT&DAY.";
LABEL MAX_SBP&DAY="MAX SYSTOLIC BLOOD PRESSURE&DAY.";
LABEL MAX_DBP&DAY="MAX DIASTOLIC BLOOD PRESSURE&DAY.";
LABEL MAX_HR&DAY="MAX HEART RATE&DAY.";
RUN;
PROC SORT DATA=&DAY._VITAL; BY SUBJECTID; RUN;
%MEND VITALS;

~CALLING MACRO TO CREATE THE DATA SETS FOR VITALS;
%VITALS (BASE, 1);
%VITALS (D1, 2);
%VITALS (D2, 3);
%VITALS (D3, 4);
%VITALS (D4, 5);
%VITALS (D5, 6);
%VITALS (D6, 7);
%VITALS (D7, 8);
%VITALS (D8, 9);
%VITALS (D9, 10);
%VITALS (D10, 11);
%VITALS (D11, 12);
%VITALS (D12, 13);
%VITALS (D13, 14);
%VITALS (D14, 15);
%VITALS (D15, 16);

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*MACRO TO CREATE NEW VARIABLES TO BE USED IN MERED DATA SET TO CALCULATE  
DIFFERENCE EACH DAY FROM BASELINE;  
%MACRO CHANGES(NEWVAR, VAR1, VAR2, VITAL, DAY);  
IF &VAR1 NE . AND &VAR2 NE . THEN *DO;  
    &NEWVAR=&VAR1-&VAR2;  
*END;  
LABEL &NEWVAR="CHANGE IN %VITAL. FROM BASELINE TO %DAY.";  
%MEND CHANGES;
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*CATTEGORICAL MACRO BY TREATMENT GROUP;
%MACRO CATEGORY( INDATA, MYVAR, MYTITLE) ;
DATA INDATA;SET &INDATA; RUN;
PROC TABULATE DATA=INDATA MISSING FORMAT=7.0 STYLE=[FONT_SIZE=1.5];
  CLASS &MYVAR ZTREATMENTCODE /STYLE=[FONT_SIZE=1.5 FOREGROUND=BLACK
BACKGROUND=WHITE] ;
  TABLE ALL="ALL SUBJECTS" &MYVAR=" ",
          (ZTREATMENTCODE ALL="ALL GROUPS")*(N PCTN<&myvar
ALL>*F=#CTFRF".)
    /BOX=[LABEL="%MYTITLE"
STYLE=[FONT_SIZE=1.5 FOREGROUND=BLACK BACKGROUND=WHITE]]
  MISSTEXT="0" PRINTMISS;
  LABEL ZTREATMENTCODE="TREATMENT GROUP";
  KEYLABEL N="N" PCTN="PERCENT";
  CLASSLEV &MYVAR ZTREATMENTCODE /STYLE=[FONT_SIZE=1.5 FOREGROUND=BLACK
BACKGROUND=WHITE];
  KEYWORD ALL N PCTN /STYLE=[FONT_SIZE=1.5 FOREGROUND=BLACK
BACKGROUND=WHITE];
RUN;
%MEND;

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*CONTINUOUS MACRO BY TREATMENT GROUP;
%MACRO CONTINUOUS (INDATA, MYVAR, MYTITLE);
PROC TABULATE DATA=&INDATA FORMAT=10.0 STYLE=[FONT_SIZE=1.5];
  VAR &MYVAR/STYLE=[FONT_SIZE=1.5 FOREGROUND=BLACK BACKGROUND=WHITE];
  CLASS ZTREATMENTCODE /STYLE=[FONT_SIZE=1.5 FOREGROUND=BLACK
BACKGROUND=WHITE];
  TABLE ALL="ALL RANDOMIZED" &MYVAR*(N="TOTAL_N" MEAN*F=6.2 STD="SD"*F=4.2
MEDIAN MIN MAX), (ZTREATMENTCODE ALL="ALL GROUPS")
  /BOX=[LABEL="&MYTITLE"
  STYLE=[FONT_SIZE=1.5 FOREGROUND=BLACK BACKGROUND=WHITE]];
  KEYLABEL N=" ";
  CLASSLEV ZTREATMENTCODE /STYLE=[FONT_SIZE=1.5 FOREGROUND=BLACK
BACKGROUND=WHITE];
  KEYWORD ALL N MEAN STD MEDIAN MIN MAX
  /STYLE=[FONT_SIZE=1.5 FOREGROUND=BLACK BACKGROUND=WHITE];
RUN;
%MEND;

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*CONTINUOUS MACRO BY TREATMENT GROUP FOR MULTIPLE CONTINUOUS VARIABLES;
%MACRO CONTMULTI7 (INDATA, MYVAR1, MYVAR2, MYVAR3, MYVAR4, MYVAR5, MYVAR6,
MYVAR7);
PROC TABULATE DATA=&INDATA FORMAT=10.0 STYLE=[FONT_SIZE=1.5];
  VAR &MYVAR1 &MYVAR2 &MYVAR3 &MYVAR4 &MYVAR5 &MYVAR6
&MYVAR7/STYLE=[FONT_SIZE=1.5 FOREGROUND=BLACK BACKGROUND=WHITE];
  CLASS ZTREATMENTCODE /STYLE=[FONT_SIZE=1.5 FOREGROUND=BLACK
BACKGROUND=WHITE];

  TABLE ALL="ALL RANDOMIZED" (&MYVAR1 &MYVAR2 &MYVAR3 &MYVAR4 &MYVAR5
&MYVAR6 &MYVAR7)*(N="TOTAL_N" MEAN*F=6.2 STD="SD"*F=4.2 MEDIAN MIN MAX),
(ZTREATMENTCODE ALL="ALL GROUPS")
  /BOX=[LABEL="" STYLE=[FONT_SIZE=1.5 FOREGROUND=BLACK
BACKGROUND=WHITE]];
  KEYLABEL N=" ";
  CLASSLEV ZTREATMENTCODE /STYLE=[FONT_SIZE=1.5 FOREGROUND=BLACK
BACKGROUND=WHITE];
  KEYWORD ALL N MEAN STD MEDIAN MIN MAX
  /STYLE=[FONT_SIZE=1.5 FOREGROUND=BLACK BACKGROUND=WHITE];
RUN;
%MEND;

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