\*\*\*\*TRACK TBI PILOT SAMPLE\*\*\*\*

\*Obtaining categorical threshold values corresponding to a six-category division of an underlying Gaussian distribution.

FREQUENCIES VARIABLES=NeuropsychologicalImpairment CognitiveSpeedandFlexibility

/FORMAT=NOTABLE

/PERCENTILES=2.25 15.75 50.0 84.25 97.75

/STATISTICS=MINIMUM MAXIMUM MEAN

/HISTOGRAM NORMAL

/ORDER=ANALYSIS.

\* Visual Binning.

\*Neuropsychological\_Impairment.

RECODE Neuropsychological\_Impairment (MISSING=COPY) (LO THRU -35.73=1) (LO THRU -13.42=2) (LO THRU

1.84=3) (LO THRU 13.68=4) (LO THRU 22.76=5) (LO THRU HI=6) (ELSE=SYSMIS) INTO Norm\_NP\_Binned.

VARIABLE LABELS Norm\_NP\_Binned 'Neuropsychological\_Impairment (Binned)'.

FORMATS Norm\_NP\_Binned (F5.0).

VALUE LABELS Norm\_NP\_Binned 1 '' 2 '' 3 '' 4 '' 5 '' 6 ''.

VARIABLE LEVEL Norm\_NP\_Binned (ORDINAL).

\*Cognitive\_Speed\_and\_Flexibility.

RECODE Cognitive\_Speed\_and\_Flexibility (MISSING=COPY) (LO THRU -104.71=1) (LO THRU -21.55=2) (LO

THRU 9.42=3) (LO THRU 24.26=4) (LO THRU 37.36=5) (LO THRU HI=6) (ELSE=SYSMIS) INTO Norm\_CSF\_Binned.

VARIABLE LABELS Norm\_CSF\_Binned 'Cognitive\_Speed\_and\_Flexibility (Binned)'.

FORMATS Norm\_CSF\_Binned (F5.0).

VALUE LABELS Norm\_CSF\_Binned 1 '' 2 '' 3 '' 4 '' 5 '' 6 ''.

VARIABLE LEVEL Norm\_CSF\_Binned (ORDINAL).

EXECUTE.

\*Ordinal Logistic Regression with Neuropsychological Impairment

PLUM Norm\_NP\_Binned WITH AgeYrs GenderTyp AnyPsychHx AlcoholHx DrugHx AlchBldLvlMeasr\_Day0

No\_AlchBldLevlMeasr BldPressrSystMeasr\_Day0 BldPressrDiastlMeasr\_Day0 SesEmpl\_Day0 No\_HS College

Married Divorced Widowed PreviousTBI IVSalineInd\_Day0

/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6) SINGULAR(1.0E-8)

/LINK=LOGIT

/PRINT=FIT PARAMETER SUMMARY

/SAVE=PREDCAT.

\*Ordinal Logistic Regression with Cognitive Speed & Flexibility

PLUM Norm\_CSF\_Binned WITH AgeYrs GenderTyp AnyPsychHx AlcoholHx DrugHx AlchBldLvlMeasr\_Day0

No\_AlchBldLevlMeasr BldPressrSystMeasr\_Day0 BldPressrDiastlMeasr\_Day0 SesEmpl\_Day0 No\_HS College

Married Divorced Widowed PreviousTBI IVSalineInd\_Day0

/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6) SINGULAR(1.0E-8)

/LINK=LOGIT

/PRINT=FIT PARAMETER SUMMARY

/SAVE=PREDCAT.

\*\*\*\*COBRIT SAMPLE\*\*\*\*

\*Obtaining categorical threshold values corresponding to a six-category division of an underlying Gaussian distribution.

FREQUENCIES VARIABLES=NeuropsychologicalImpairment CognitiveSpeedandFlexibility

/FORMAT=NOTABLE

/PERCENTILES=2.25 15.75 50.0 84.25 97.75

/STATISTICS=MINIMUM MAXIMUM MEAN

/HISTOGRAM NORMAL

/ORDER=ANALYSIS.

\* Visual Binning

\*NeuropsychologicalImpairment.

RECODE NeuropsychologicalImpairment (MISSING=COPY) (LO THRU -42.87=1) (LO THRU -16.17=2) (LO THRU

3.26=3) (LO THRU 16.24=4) (LO THRU 24.18=5) (LO THRU HI=6) (ELSE=SYSMIS) INTO Norm\_NP\_Binned.

VARIABLE LABELS Norm\_NP\_Binned 'NeuropsychologicalImpairment (Binned)'.

FORMATS Norm\_NP\_Binned (F5.0).

VALUE LABELS Norm\_NP\_Binned 1 '' 2 '' 3 '' 4 '' 5 '' 6 ''.

VARIABLE LEVEL Norm\_NP\_Binned (ORDINAL).

\*CognitiveSpeedandFlexibility.

RECODE CognitiveSpeedandFlexibility (MISSING=COPY) (LO THRU -94.95=1) (LO THRU -21.5=2) (LO THRU

9.03=3) (LO THRU 25.07=4) (LO THRU 38.4=5) (LO THRU HI=6) (ELSE=SYSMIS) INTO Norm\_CSF\_Binned.

VARIABLE LABELS Norm\_CSF\_Binned 'CognitiveSpeedandFlexibility (Binned)'.

FORMATS Norm\_CSF\_Binned (F5.0).

VALUE LABELS Norm\_CSF\_Binned 1 '' 2 '' 3 '' 4 '' 5 '' 6 ''.

VARIABLE LEVEL Norm\_CSF\_Binned (ORDINAL).

EXECUTE.

\*Ordinal Logistic Regression with Neuropsychological Impairment

PLUM Norm\_NP\_Binned WITH AgeYrs GenderTyp AnyPsycHx AlcoholHx\_Day180 DrugHx\_Day180

AlchBldLvlMeasr\_Day0 No\_AlchBldLevlMeasr BldPressrDiastlMeasr\_Day0 BldPressrSystMeasr\_Day0

Employment\_Day0 No\_HS College Married Divorced Widowed PrevTBI TotalVolHypertonicSalineVal\_Day0

/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6) SINGULAR(1.0E-8)

/LINK=LOGIT

/PRINT=FIT PARAMETER SUMMARY

/SAVE=PREDCAT.

\*Ordinal Logistic Regression with Cognitive Speed & Flexibility

PLUM Norm\_CSF\_Binned WITH AgeYrs GenderTyp AnyPsycHx AlcoholHx\_Day180 DrugHx\_Day180

AlchBldLvlMeasr\_Day0 No\_AlchBldLevlMeasr BldPressrDiastlMeasr\_Day0 BldPressrSystMeasr\_Day0

Employment\_Day0 No\_HS College Married Divorced Widowed PrevTBI TotalVolHypertonicSalineVal\_Day0

/CRITERIA=CIN(95) DELTA(0) LCONVERGE(0) MXITER(100) MXSTEP(5) PCONVERGE(1.0E-6) SINGULAR(1.0E-8)

/LINK=LOGIT

/PRINT=FIT PARAMETER SUMMARY

/SAVE=PREDCAT.