```
TITLE: Supplemental Table Model 1

DATA:
FILE IS cry processing.csv;

VARIABLE:
MISSING ARE ALL (-999);

names are ID cohort medu cesTmp staTmp derTOTp neoNEp
 neoAGp msNMfp2m msNMse2m msNMsr2m
msMPR2m msMNR2m msTfp2m msTse2m msTsr2m cesTm2m
IOcomp MOcomp cen_psqT IOXpsqT MOXpsqT psqTHi
psqTLo IOXpsqTHi IOXpsqTLo MOXpsqTHi MOXpsqLo
cen_psq_co IOXSD MOXSD SDHigh SDLow IOXSDHi IOXSDLo
MOXSDHi MOXSDLo centot_slp IOXDUR MOXDUR DURHi
DURLo IOXDurHi IOXDurLo MOXDurHi MOXDurLo cen_FNW
IOXFNW MOXFNW cen_WAKFL IOXWAKFL MOXWAKFL;

 usevariables are medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
 neoAGp MOcomp msTfp2m msTse2m msTsr2m msMPR2m msMNR2m
 msNMfp2m msNMse2m msNMsr2m
 cen_psqT IOXpsqT MOXpsqT;


 ANALYSIS:
 TYPE = GENERAL;
 ESTIMATOR = ML;


 Model:
!This is signaling FIML
 medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
 neoAGp MOcomp msNMfp2m msNMse2m msNMsr2m
 cen_psqT IOXpsqT MOXpsqT;


!Emotional Risk
EMORISK BY cesTmp staTmp derTOTp neoNEp neoAGp;

!Maternal sensitivity
MS BY msTfp2m msTse2m msTsr2m msMPR2m msMNR2m;

! Negative Affect
NEGAFF BY msNMfp2m msNMse2m msNMsr2m;

!DV ON IV
```

```
MS ON IOcomp;
MS ON MOcomp;

!DV ONMother Total Sleep Problems
MS ON cen_psqT;

!DV ON INTERACTION TERMS
MS ON IOXpsqT;
MS ON MOXpsqT;

!Methods Effect
msNMse2m WITH msTse2m;
msNMfp2m WITH msTfp2m;
msNMsr2m WITH msTsr2m;

!Covariates
MS ON medu;
MS ON cesTm2m;
MS ON EMORISK;
MS ON NEGAFF;

OUTPUT:
SAMPSTAT;
standardized;
```

TITLE: Supplemental Table Model 2

```
DATA:
FILE IS cry processing.csv;

VARIABLE:
MISSING ARE ALL (-999);

names are ID cohort medu cesTmp staTmp derTOTp neoNEp
 neoAGp msNMfp2m msNMse2m msNMsr2m
msMPR2m msMNR2m msTfp2m msTse2m msTsr2m cesTm2m
IOcomp MOcomp cen_psqT IOXpsqT MOXpsqT psqTHi
psqTLo IOXpsqTHi IOXpsqTLo MOXpsqTHi MOXpsqLo
cen_psq_co IOXSD MOXSD SDHigh SDLow IOXSDHi IOXSDLo
MOXSDHi MOXSDLo centot_slp IOXDUR MOXDUR DURHi
DURLo IOXDurHi IOXDurLo MOXDurHi MOXDurLo cen_FNW
IOXFNW MOXFNW cen_WAKFL IOXWAKFL MOXWAKFL;
```

```
 usevariables are medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
  neoAGp MOcomp msTfp2m msTse2m msTsr2m msMPR2m msMNR2m
  msNMfp2m msNMse2m msNMsr2m
  cen_psq_co  IOXSD  MOXSD;

 ANALYSIS:
 TYPE = GENERAL;
 ESTIMATOR = ML;


 Model:
!This is signaling FIML
 medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
 neoAGp MOcomp msNMfp2m msNMse2m msNMsr2m
 cen_psqT IOXpsqT MOXpsqT;

!Emotional Risk
EMORISK BY cesTmp staTmp derTOTp neoNEp neoAGp;

!Maternal sensitivity
MS BY msTfp2m msTse2m msTsr2m msMPR2m msMNR2m;

! Negative Affect
NEGAFF BY msNMfp2m msNMse2m msNMsr2m;

!DV ON IV
MS ON IOcomp;
MS ON MOcomp;

!DV ON MOTHER SLEEP DISTURBANCE (MODERATOR)
MS ON cen_psq_co;

!DV ON INTERACTION TERMS
MS ON IOXSD;
MS ON MOXSD;

!Methods Effect
msNMse2m WITH msTse2m;
msNMfp2m WITH msTfp2m;
msNMsr2m WITH msTsr2m;

!Covariates
MS ON medu;
MS ON cesTm2m;
```

```
MS ON EMORISK;
MS ON NEGAFF;

OUTPUT:
SAMPSTAT;
standardized;


TITLE: Supplemental Table Model 3

DATA:
FILE IS cry processing.csv;

VARIABLE:
MISSING ARE ALL (-999);

names are ID cohort medu cesTmp staTmp derTOTp neoNEp
 neoAGp msNMfp2m msNMse2m msNMsr2m
msMPR2m msMNR2m msTfp2m msTse2m msTsr2m cesTm2m
IOcomp MOcomp cen_psqT IOXpsqT MOXpsqT psqTHi
psqTLo IOXpsqTHi IOXpsqTLo MOXpsqTHi MOXpsqLo
cen_psq_co IOXSD MOXSD SDHigh SDLow IOXSDHi IOXSDLo
MOXSDHi MOXSDLo centot_slp IOXDUR MOXDUR DURHi
DURLo IOXDurHi IOXDurLo MOXDurHi MOXDurLo cen_FNW
IOXFNW MOXFNW cen_WAKFL IOXWAKFL MOXWAKFL;

usevariables are medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
neoAGp MOcomp msTfp2m msTse2m msTsr2m msMPR2m msMNR2m
msNMfp2m msNMse2m msNMsr2m
cen_FNW  IOXFNW MOXFNW;

ANALYSIS:
TYPE = GENERAL;
ESTIMATOR = ML;


 Model:
!This is signaling FIML
medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
neoAGp MOcomp msNMfp2m msNMse2m msNMsr2m
cen_FNW  IOXFNW MOXFNW;

!Emotional Risk
EMORISK BY cesTmp staTmp derTOTp neoNEp neoAGp;
```

```
!Maternal sensitivity
MS BY msTfp2m msTse2m msTsr2m msMPR2m msMNR2m;

! Negative Affect
NEGAFF BY msNMfp2m msNMse2m msNMsr2m;

!DV ON IV
MS ON IOcomp;
MS ON MOcomp;

!DV ON INFANT NIGHT WAKINGS
MS ON  cen_FNW;

!DV ON INTERACTION TERMS
MS ON IOXFNW;
MS ON MOXFNW;

!Methods Effect
msNMse2m WITH msTse2m;
msNMfp2m WITH msTfp2m;
msNMsr2m WITH msTsr2m;

!Covariates
MS ON medu;
MS ON cesTm2m;
MS ON EMORISK;
MS ON NEGAFF;

OUTPUT:
SAMPSTAT;
standardized;
```

TITLE: Supplemental Table Model 4

```
DATA:
FILE IS cry processing.csv;

VARIABLE:
MISSING ARE ALL (-999);

names are ID cohort medu cesTmp staTmp derTOTp neoNEp
 neoAGp msNMfp2m msNMse2m msNMsr2m
msMPR2m msMNR2m msTfp2m msTse2m msTsr2m cesTm2m
IOcomp MOcomp cen_psqT IOXpsqT MOXpsqT psqTHi
```

psqTLo IOXpsqTHi IOXpsqTLo MOXpsqTHi MOXpsqLo
cen_psq_co IOXSD MOXSD SDHigh SDLow IOXSDHi IOXSDLo
MOXSDHi MOXSDLo centot_slp IOXDUR MOXDUR DURHi
DURLo IOXDurHi IOXDurLo MOXDurHi MOXDurLo cen_FNW
IOXFNW MOXFNW cen_WAKFL IOXWAKFL MOXWAKFL;

usevariables are medu cesTm2m IOcomp cesTmp staTmp derTOTp neoNEp
neoAGp MOcomp msTfp2m msTse2m msTsr2m msMPR2m msMNR2m
msNMfp2m msNMse2m msNMsr2m
cen_WAKFL IOXWAKFL MOXWAKFL;

ANALYSIS:
TYPE = GENERAL;
ESTIMATOR = ML;

Model:
!This is signaling FIML
medu cesTm2m IOcomp cesTmp staTmp derTOTp neoNEp
neoAGp MOcomp msNMfp2m msNMse2m msNMsr2m
cen_WAKFL IOXWAKFL MOXWAKFL;

!Emotional Risk
EMORISK BY cesTmp staTmp derTOTp neoNEp neoAGp;

!Maternal sensitivity
MS BY msTfp2m msTse2m msTsr2m msMPR2m msMNR2m;

! Negative Affect
NEGAFF BY msNMfp2m msNMse2m msNMsr2m;

!DV ON IV
MS ON IOcomp;
MS ON MOcomp;

!DV ON INFANT TIME AWAKE (MODERATOR)
MS ON cen_WAKFL;

!DV ON INTERACTION TERMS
MS ON IOXWAKFL;
MS ON MOXWAKFL;

!Methods Effect

```
msNMse2m WITH msTse2m;
msNMfp2m WITH msTfp2m;
msNMsr2m WITH msTsr2m;

!Covariates
MS ON medu;
MS ON cesTm2m;
MS ON EMORISK;
MS ON NEGAFF;

OUTPUT:
SAMPSTAT;
standardized;
```

TITLE: Supplemental Table Model 5

```
DATA:
FILE IS cry processing.csv;

VARIABLE:
MISSING ARE ALL (-999);

names are ID cohort medu cesTmp staTmp derTOTp neoNEp
 neoAGp msNMfp2m msNMse2m msNMsr2m
msMPR2m msMNR2m msTfp2m msTse2m msTsr2m cesTm2m
IOcomp MOcomp cen_psqT IOXpsqT MOXpsqT psqTHi
psqTLo IOXpsqTHi IOXpsqTLo MOXpsqTHi MOXpsqLo
cen_psq_co IOXSD MOXSD SDHigh SDLow IOXSDHi IOXSDLo
MOXSDHi MOXSDLo centot_slp IOXDUR MOXDUR DURHi
DURLo IOXDurHi IOXDurLo MOXDurHi MOXDurLo cen_FNW
IOXFNW MOXFNW cen_WAKFL IOXWAKFL MOXWAKFL;

usevariables are medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
neoAGp MOcomp msTfp2m msTse2m msTsr2m msMPR2m msMNR2m
msNMfp2m msNMse2m msNMsr2m
centot_slp IOXDUR MOXDUR;

ANALYSIS:
TYPE = GENERAL;
ESTIMATOR = ML;


Model:
!This is signaling FIML
medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
```

```
neoAGp MOcomp msNMfp2m msNMse2m msNMsr2m
centot_slp IOXDUR MOXDUR;

!Emotional Risk
EMORISK BY cesTmp staTmp derTOTp neoNEp neoAGp;

!Maternal sensitivity
MS BY msTfp2m msTse2m msTsr2m msMPR2m msMNR2m;

! Negative Affect
NEGAFF BY msNMfp2m msNMse2m msNMsr2m;

!DV ON IV
MS ON IOcomp;
MS ON MOcomp;

!DV ON SLEEP DURATION (MODERATOR)
MS ON centot_slp;

!DV ON INTERACTION TERMS
MS ON IOXDUR;
MS ON MOXDUR;

!Methods Effect
msNMse2m WITH msTse2m;
msNMfp2m WITH msTfp2m;
msNMsr2m WITH msTsr2m;

!Covariates
MS ON medu;
MS ON cesTm2m;
MS ON EMORISK;
MS ON NEGAFF;

OUTPUT:
SAMPSTAT;
standardized;


TITLE: Final Model 1 with Mother Total Sleep Problems and Infant Sleep Duration

DATA:
FILE IS cry processing.csv;
```

```
VARIABLE:
MISSING ARE ALL (-999);

names are ID cohort medu cesTmp staTmp derTOTp neoNEp
 neoAGp msNMfp2m msNMse2m msNMsr2m
msMPR2m msMNR2m msTfp2m msTse2m msTsr2m cesTm2m
IOcomp MOcomp cen_psqT IOXpsqT MOXpsqT psqTHi
psqTLo IOXpsqTHi IOXpsqTLo MOXpsqTHi MOXpsqLo
cen_psq_co IOXSD MOXSD SDHigh SDLow IOXSDHi IOXSDLo
MOXSDHi MOXSDLo centot_slp IOXDUR MOXDUR DURHi
DURLo IOXDurHi IOXDurLo MOXDurHi MOXDurLo cen_FNW
IOXFNW MOXFNW cen_WAKFL IOXWAKFL MOXWAKFL;

usevariables are medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
neoAGp MOcomp msTfp2m msTse2m msTsr2m msMPR2m msMNR2m
msNMfp2m msNMse2m msNMsr2m
cen_psqT IOXpsqT MOXpsqT centot_slp IOXDUR MOXDUR ;

ANALYSIS:
TYPE = GENERAL;
ESTIMATOR = ML;


Model:
!This is signaling FIML
medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
neoAGp MOcomp msNMfp2m msNMse2m msNMsr2m
cen_psqT IOXpsqT MOXpsqT centot_slp IOXDUR MOXDUR ;

!Emotional Risk
EMORISK BY cesTmp staTmp derTOTp neoNEp neoAGp;

!Maternal sensitivity
MS BY msTfp2m msTse2m msTsr2m msMPR2m msMNR2m;

! Negative Affect
NEGAFF BY msNMfp2m msNMse2m msNMsr2m;

!DV ON IV
MS ON IOcomp;
MS ON MOcomp;

!DV ON MODERATORS
!maternal sensitivity on Mother Total Sleep Problems
MS ON cen_psqT;
```

```
!maternal sensitivity on Infant Sleep Duration
MS ON centot_slp;

!DV ON INTERACTION TERMS
!Interaction term Mother Total Sleep Problems
MS ON IOXpsqT;
MS ON MOXpsqT;

!Interaction term with Infant Sleep Duration
MS ON IOXDUR;
MS ON MOXDUR;

!Methods Effect
msNMse2m WITH msTse2m;
msNMfp2m WITH msTfp2m;
msNMsr2m WITH msTsr2m;

!Covariates
MS ON medu;
MS ON cesTm2m;
MS ON EMORISK;
MS ON NEGAFF;

OUTPUT:
SAMPSTAT;
standardized;
```

TITLE: Final Model 1 at 1SD Above the Moderator (Infant Sleep Duration)

```
DATA:
FILE IS cry processing.csv;

VARIABLE:
MISSING ARE ALL (-999);

names are ID cohort medu cesTmp staTmp derTOTp neoNEp
 neoAGp msNMfp2m msNMse2m msNMsr2m
msMPR2m msMNR2m msTfp2m msTse2m msTsr2m cesTm2m
IOcomp MOcomp cen_psqT IOXpsqT MOXpsqT psqTHi
psqTLo IOXpsqTHi IOXpsqTLo MOXpsqTHi MOXpsqLo
cen_psq_co IOXSD MOXSD SDHigh SDLow IOXSDHi IOXSDLo
MOXSDHi MOXSDLo centot_slp IOXDUR MOXDUR DURHi
DURLo IOXDurHi IOXDurLo MOXDurHi MOXDurLo cen_FNW
```

```
IOXFNW MOXFNW cen_WAKFL IOXWAKFL MOXWAKFL;

usevariables are medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
neoAGp MOcomp msTfp2m msTse2m msTsr2m msMPR2m msMNR2m
msNMfp2m msNMse2m msNMsr2m
cen_psqT IOXpsqT MOXpsqT DURHi IOXDurHi MOXDurHi;

ANALYSIS:
TYPE = GENERAL;
ESTIMATOR = ML;


Model:
!This is signaling FIML
medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
neoAGp MOcomp msNMfp2m msNMse2m msNMsr2m
cen_psqT IOXpsqT MOXpsqT DURHi IOXDurHi MOXDurHi;

!Emotional Risk
EMORISK BY cesTmp staTmp derTOTp neoNEp neoAGp;

!Maternal sensitivity
MS BY msTfp2m msTse2m msTsr2m msMPR2m msMNR2m;

! Negative Affect
NEGAFF BY msNMfp2m msNMse2m msNMsr2m;

!DV ON IV
MS ON IOcomp;
MS ON MOcomp;

!DV ON MODERATORS
MS ON cen_psqT;
MS ON DURHi;

!DV ON INT TERMS
MS ON IOXpsqT;
MS ON MOXpsqT;
MS ON IOXDurHi;
MS ON MOXDurHi;

!Methods Effect
msNMse2m WITH msTse2m;
msNMfp2m WITH msTfp2m;
```

```
msNMsr2m WITH msTsr2m;

!Covariates
MS ON medu;
MS ON cesTm2m;
MS ON EMORISK;
MS ON NEGAFF;

OUTPUT:
SAMPSTAT;
standardized;
```

TITLE: Final Model 1 at 1SD Below the Moderator (Infant Sleep Duration)

```
DATA:
FILE IS cry processing.csv;

VARIABLE:
MISSING ARE ALL (-999);

names are ID cohort medu cesTmp staTmp derTOTp neoNEp
 neoAGp msNMfp2m msNMse2m msNMsr2m
msMPR2m msMNR2m msTfp2m msTse2m msTsr2m cesTm2m
IOcomp MOcomp cen_psqT IOXpsqT MOXpsqT psqTHi
psqTLo IOXpsqTHi IOXpsqTLo MOXpsqTHi MOXpsqLo
cen_psq_co IOXSD MOXSD SDHigh SDLow IOXSDHi IOXSDLo
MOXSDHi MOXSDLo centot_slp IOXDUR MOXDUR DURHi
DURLo IOXDurHi IOXDurLo MOXDurHi MOXDurLo cen_FNW
IOXFNW MOXFNW cen_WAKFL IOXWAKFL MOXWAKFL;

usevariables are medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
neoAGp MOcomp msTfp2m msTse2m msTsr2m msMPR2m msMNR2m
msNMfp2m msNMse2m msNMsr2m
cen_psqT IOXpsqT MOXpsqT DURLo IOXDurLo MOXDurLo;

ANALYSIS:
TYPE = GENERAL;
ESTIMATOR = ML;


Model:
!This is signaling FIML
medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
```

```
neoAGp MOcomp msNMfp2m msNMse2m msNMsr2m
cen_psqT IOXpsqT MOXpsqT DURLo IOXDurLo MOXDurLo;

!Emotional Risk
EMORISK BY cesTmp staTmp derTOTp neoNEp neoAGp;

!Maternal sensitivity
MS BY msTfp2m msTse2m msTsr2m msMPR2m msMNR2m;

! Negative Affect
NEGAFF BY msNMfp2m msNMse2m msNMsr2m;

!DV ON IV
MS ON IOcomp;
MS ON MOcomp;

!DV ON MODERATORS
MS ON cen_psqT;
MS ON DURLo;

!DV ON INT TERMS
MS ON IOXpsqT;
MS ON MOXpsqT;
MS ON IOXDurLo;
MS ON MOXDurLo;

!Methods Effect
msNMse2m WITH msTse2m;
msNMfp2m WITH msTfp2m;
msNMsr2m WITH msTsr2m;

!Covariates
MS ON medu;
MS ON cesTm2m;
MS ON EMORISK;
MS ON NEGAFF;

OUTPUT:
SAMPSTAT;
standardized;
```

TITLE: Final Model 2 with Mother Sleep Disturbance and Infant Sleep Duration

```
DATA:
FILE IS cry processing.csv;

VARIABLE:
MISSING ARE ALL (-999);

names are ID cohort medu cesTmp staTmp derTOTp neoNEp
 neoAGp msNMfp2m msNMse2m msNMsr2m
msMPR2m msMNR2m msTfp2m msTse2m msTsr2m cesTm2m
IOcomp MOcomp cen_psqT IOXpsqT MOXpsqT psqTHi
psqTLo IOXpsqTHi IOXpsqTLo MOXpsqTHi MOXpsqLo
cen_psq_co IOXSD MOXSD SDHigh SDLow IOXSDHi IOXSDLo
MOXSDHi MOXSDLo centot_slp IOXDUR MOXDUR DURHi
DURLo IOXDurHi IOXDurLo MOXDurHi MOXDurLo cen_FNW
IOXFNW MOXFNW cen_WAKFL IOXWAKFL MOXWAKFL;

usevariables are medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
neoAGp MOcomp msTfp2m msTse2m msTsr2m msMPR2m msMNR2m
msNMfp2m msNMse2m msNMsr2m
cen_psq_co centot_slp IOXSD IOXDUR MOXSD MOXDUR;

ANALYSIS:
TYPE = GENERAL;
ESTIMATOR = ML;


Model:
!This is signaling FIML
medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
neoAGp MOcomp msNMfp2m msNMse2m msNMsr2m
cen_psq_co centot_slp IOXSD IOXDUR MOXSD MOXDUR;

!Emotional Risk
EMORISK BY cesTmp staTmp derTOTp neoNEp neoAGp;

!Maternal sensitivity
MS BY msTfp2m msTse2m msTsr2m msMPR2m msMNR2m;

! Negative Affect
NEGAFF BY msNMfp2m msNMse2m msNMsr2m;

!DV ON IV
MS ON IOcomp;
MS ON MOcomp;
```

```
!DV ON MODERATORS
MS ON cen_psq_co;
MS ON centot_slp;

!DV ON INT TERMS
MS ON IOXSD;
MS ON IOXDUR;
MS ON MOXSD;
MS ON MOXDUR;

!Methods Effect
msNMse2m WITH msTse2m;
msNMfp2m WITH msTfp2m;
msNMsr2m WITH msTsr2m;

!Covariates
MS ON medu;
MS ON cesTm2m;
MS ON EMORISK;
MS ON NEGAFF;

OUTPUT:
SAMPSTAT;
standardized;
```

TITLE: Final Model 2 at 1SD Above the Moderator (Mother Sleep Disturbance)

```
DATA:
FILE IS cry processing.csv;

VARIABLE:
MISSING ARE ALL (-999);

names are ID cohort medu cesTmp staTmp derTOTp neoNEp
 neoAGp msNMfp2m msNMse2m msNMsr2m
msMPR2m msMNR2m msTfp2m msTse2m msTsr2m cesTm2m
IOcomp MOcomp cen_psqT IOXpsqT MOXpsqT psqTHi
psqTLo IOXpsqTHi IOXpsqTLo MOXpsqTHi MOXpsqLo
cen_psq_co IOXSD MOXSD SDHigh SDLow IOXSDHi IOXSDLo
MOXSDHi MOXSDLo centot_slp IOXDUR MOXDUR DURHi
DURLo IOXDurHi IOXDurLo MOXDurHi MOXDurLo cen_FNW
IOXFNW MOXFNW cen_WAKFL IOXWAKFL MOXWAKFL;
```

```
usevariables are medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
neoAGp MOcomp msTfp2m msTse2m msTsr2m msMPR2m msMNR2m
msNMfp2m msNMse2m msNMsr2m
SDHigh centot_slp IOXSDHi IOXDUR MOXSDHi MOXDUR;

ANALYSIS:
TYPE = GENERAL;
ESTIMATOR = ML;


Model:
!This is signaling FIML
medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
neoAGp MOcomp msNMfp2m msNMse2m msNMsr2m
SDHigh centot_slp IOXSDHi IOXDUR MOXSDHi MOXDUR;

!Emotional Risk
EMORISK BY cesTmp staTmp derTOTp neoNEp neoAGp;

!Maternal sensitivity
MS BY msTfp2m msTse2m msTsr2m msMPR2m msMNR2m;

! Negative Affect
NEGAFF BY msNMfp2m msNMse2m msNMsr2m;

!DV ON IV
MS ON IOcomp;
MS ON MOcomp;

!DV ON MODERATORS
MS ON SDHigh;
MS ON centot_slp;

!DV ON INT TERMS
MS ON IOXSDHi;
MS ON IOXDUR;
MS ON MOXSDHi;
MS ON MOXDUR;

!Methods Effect
msNMse2m WITH msTse2m;
msNMfp2m WITH msTfp2m;
```

```
!Covariates
MS ON medu;
MS ON cesTm2m;
MS ON EMORISK;
MS ON NEGAFF;

OUTPUT:
SAMPSTAT;
standardized;
```

TITLE: Final Model 2 at 1SD Below the Moderator (Mother Sleep Disturbance)

```
DATA:
FILE IS cry processing.csv;

VARIABLE:
MISSING ARE ALL (-999);

names are ID cohort medu cesTmp staTmp derTOTp neoNEp
 neoAGp msNMfp2m msNMse2m msNMsr2m
msMPR2m msMNR2m msTfp2m msTse2m msTsr2m cesTm2m
IOcomp MOcomp cen_psqT IOXpsqT MOXpsqT psqTHi
psqTLo IOXpsqTHi IOXpsqTLo MOXpsqTHi MOXpsqLo
cen_psq_co IOXSD MOXSD SDHigh SDLow IOXSDHi IOXSDLo
MOXSDHi MOXSDLo centot_slp IOXDUR MOXDUR DURHi
DURLo IOXDurHi IOXDurLo MOXDurHi MOXDurLo cen_FNW
IOXFNW MOXFNW cen_WAKFL IOXWAKFL MOXWAKFL;

usevariables are medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
neoAGp MOcomp msTfp2m msTse2m msTsr2m msMPR2m msMNR2m
msNMfp2m msNMse2m msNMsr2m
SDLow centot_slp IOXSDLo IOXDUR MOXSDLo MOXDUR;

ANALYSIS:
TYPE = GENERAL;
ESTIMATOR = ML;

Model:
!This is signaling FIML
medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
neoAGp MOcomp msNMfp2m msNMse2m msNMsr2m
SDLow centot_slp IOXSDLo IOXDUR MOXSDLo MOXDUR;
```

```
!Emotional Risk
EMORISK BY cesTmp staTmp derTOTp neoNEp neoAGp;

!Maternal sensitivity
MS BY msTfp2m msTse2m msTsr2m msMPR2m msMNR2m;

! Negative Affect
NEGAFF BY msNMfp2m msNMse2m msNMsr2m;

!DV ON IV
MS ON IOcomp;
MS ON MOcomp;

!DV ON MODERATORS
MS ON SDLow;
MS ON centot_slp;

!DV ON INT TERMS
MS ON IOXSDLo;
MS ON IOXDUR;
MS ON MOXSDLo;
MS ON MOXDUR;

!Methods Effect
msNMse2m WITH msTse2m;
msNMfp2m WITH msTfp2m;

!Covariates
MS ON medu;
MS ON cesTm2m;
MS ON EMORISK;
MS ON NEGAFF;

OUTPUT:
SAMPSTAT;
standardized;
```

TITLE: Final Model 2 at 1SD Above the Moderator (Infant Sleep Duration)

```
DATA:
FILE IS cry processing.csv;
```

```
VARIABLE:
MISSING ARE ALL (-999);

names are ID cohort medu cesTmp staTmp derTOTp neoNEp
 neoAGp msNMfp2m msNMse2m msNMsr2m
msMPR2m msMNR2m msTfp2m msTse2m msTsr2m cesTm2m
IOcomp MOcomp cen_psqT IOXpsqT MOXpsqT psqTHi
psqTLo IOXpsqTHi IOXpsqTLo MOXpsqTHi MOXpsqLo
cen_psq_co IOXSD MOXSD SDHigh SDLow IOXSDHi IOXSDLo
MOXSDHi MOXSDLo centot_slp IOXDUR MOXDUR DURHi
DURLo IOXDurHi IOXDurLo MOXDurHi MOXDurLo cen_FNW
IOXFNW MOXFNW cen_WAKFL IOXWAKFL MOXWAKFL;

usevariables are medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
neoAGp MOcomp msTfp2m msTse2m msTsr2m msMPR2m msMNR2m
msNMfp2m msNMse2m msNMsr2m
cen_psq_co DURHi IOXSD IOXDurHi MOXSD MOXDurHi;

ANALYSIS:
TYPE = GENERAL;
ESTIMATOR = ML;

Model:
!This is signaling FIML
medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
neoAGp MOcomp msNMfp2m msNMse2m msNMsr2m
cen_psq_co DURHi IOXSD IOXDurHi MOXSD MOXDurHi;

!Emotional Risk
EMORISK BY cesTmp staTmp derTOTp neoNEp neoAGp;

!Maternal sensitivity
MS BY msTfp2m msTse2m msTsr2m msMPR2m msMNR2m;

! Negative Affect
NEGAFF BY msNMfp2m msNMse2m msNMsr2m;

!DV ON IV
MS ON IOcomp;
MS ON MOcomp;

!DV ON MODERATORS
MS ON cen_psq_co;
MS ON DURHi;
```

```
!DV ON INT TERMS
MS ON IOXSD;
MS ON IOXDurHi;
MS ON MOXSD;
MS ON MOXDurHi;

!Methods Effect
msNMse2m WITH msTse2m;
msNMfp2m WITH msTfp2m;

!Covariates
MS ON medu;
MS ON cesTm2m;
MS ON EMORISK;
MS ON NEGAFF;

OUTPUT:
SAMPSTAT;
standardized;
```

TITLE: Final Model 2 at 1SD Below the Moderator (Infant Sleep Duration)

```
DATA:
FILE IS cry processing.csv;

VARIABLE:
MISSING ARE ALL (-999);

names are ID cohort medu cesTmp staTmp derTOTp neoNEp
 neoAGp msNMfp2m msNMse2m msNMsr2m
msMPR2m msMNR2m msTfp2m msTse2m msTsr2m cesTm2m
IOcomp MOcomp cen_psqT IOXpsqT MOXpsqT psqTHi
psqTLo IOXpsqTHi IOXpsqTLo MOXpsqTHi MOXpsqLo
cen_psq_co IOXSD MOXSD SDHigh SDLow IOXSDHi IOXSDLo
MOXSDHi MOXSDLo centot_slp IOXDUR MOXDUR DURHi
DURLo IOXDurHi IOXDurLo MOXDurHi MOXDurLo cen_FNW
IOXFNW MOXFNW cen_WAKFL IOXWAKFL MOXWAKFL;

usevariables are medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
neoAGp MOcomp msTfp2m msTse2m msTsr2m msMPR2m msMNR2m
msNMfp2m msNMse2m msNMsr2m
cen_psq_co DURLo IOXSD IOXDurLo MOXSD MOXDurLo;

ANALYSIS:
```

```
TYPE = GENERAL;
ESTIMATOR = ML;

Model:
!This is signaling FIML
medu cesTm2m  IOcomp cesTmp staTmp derTOTp neoNEp
neoAGp MOcomp msNMfp2m msNMse2m msNMsr2m
cen_psq_co DURLo IOXSD IOXDurLo MOXSD MOXDurLo;

!Emotional Risk
EMORISK BY cesTmp staTmp derTOTp neoNEp neoAGp;

!Maternal sensitivity
MS BY msTfp2m msTse2m msTsr2m msMPR2m msMNR2m;

! Negative Affect
NEGAFF BY msNMfp2m msNMse2m msNMsr2m;

!DV ON IV
MS ON IOcomp;
MS ON MOcomp;

!DV ON MODERATORS
MS ON cen_psq_co;
MS ON DURLo;

!DV ON INT TERMS
MS ON IOXSD;
MS ON IOXDurLo;
MS ON MOXSD;
MS ON MOXDurLo;

!Methods Effect
msNMse2m WITH msTse2m;
msNMfp2m WITH msTfp2m;

!Covariates
MS ON medu;
MS ON cesTm2m;
MS ON EMORISK;
MS ON NEGAFF;

OUTPUT:
```

SAMPSTAT;
standardized;