**Supplementary Material**

**Regression Analyses with PCL-R Total Score**

**Table S1:**

***Regression Analyses with PCL-R Total Score and Covariates Predicting CC Posterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Total -.075 .024 -3.081 -.140 .002  
Age .054 .036 1.526 .067 .128

IQ .019 .013 1.468 .066 .143

Subs.Use. .179 .052 3.432 .156 .001

TIV -3.01 x 10-6 .000 -2.570 -.116 .010

Model Summary: R2 = 0.051, R = .225, F(1,494) = 5.239. Overall Model *p* < .001.

**Table S2:**

***Regression Analyses with PCL-R Total Score and Covariates Predicting CC Mid Posterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Total -.076 .025 -3.032 -.138 .003  
Age .054 .036 1.482 .066 .139

IQ .021 .013 1.618 .073 .106

Subs.Use. .182 .053 3.436 .156 .001

TIV -1.97 x 10-6 .000 -1.654 -.075 .099

Model Summary: R2 = 0.045, R = .213, F(1,494) = 4.626. Overall Model *p* < .001.

**Table S3:**

***Regression Analyses with PCL-R Total Score and Covariates Predicting CC Central Volume***

*Predictor B SE B t β Sig.*

PCL-R Total -.079 .023 -3.402 -.155 .001  
Age .045 .034 1.317 .058 .189

IQ .010 .012 0.803 .036 .423

Subs.Use. .165 .050 3.330 .152 .001

TIV -1.87 x 10-6 .000 -1.681 -.076 .093

Model Summary: R2 = 0.044, R = .209, F(1,494) = 4.475. Overall Model *p* < .001.

**Table S4:**

***Regression Analyses with PCL-R Total Score and Covariates Predicting CC Mid Anterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Total -.055 .020 -2.738 -.125 .006  
Age .037 .029 1.263 .056 .207

IQ .011 .010 1.067 .048 .286

Subs.Use. .113 .042 2.662 .122 .008

TIV -2.27 x 10-6 .000 -2.382 -.108 .018

Model Summary: R2 = 0.037, R = .192, F(1,494) = 3.734. Overall Model *p* = .003.

**Table S5:**

***Regression Analyses with PCL-R Total Score and Covariates Predicting CC Anterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Total -.052 .017 -3.115 -.143 .002  
Age .033 .024 1.380 .062 .168

IQ .005 .009 0.619 .028 .536

Subs.Use. .071 .035 1.998 .092 .046

TIV -1.54 x 10-6 .000 -1.945 -.089 .052

Model Summary: R2 = 0.033, R = .180, F(1,494) = 3.292. Overall Model *p* = .006.

**Regression Analyses with PCL-R Factor Scores**

**Table S6:**

***Regression Analyses with PCL-R Factor Scores and Covariates Predicting CC Posterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Factor 1 -.254 .048 -5.298 -.246 < .001

PCL-R Factor 2 .058 .040 1.445 .072 .149  
Age .055 .035 1.564 .068 .118

IQ .021 .012 1.708 .076 .088

Subs.Use. .122 .054 2.278 .107 .023

TIV -2.58 x 10-6 .000 -2.246 -.100 .025

Model Summary: R2 = 0.085, R = .292, F(1,494) = 7.599. Overall Model *p* < .001.

**Table S7:**

***Regression Analyses with PCL-R Factor Scores and Covariates Predicting CC Mid Posterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Factor 1 -.244 .049 -4.986 -.233 < .001

PCL-R Factor 2 .042 .041 1.024 .051 .306  
Age .054 .036 1.505 .066 .133

IQ .023 .013 1.829 .081 .068

Subs.Use. .134 .055 2.438 .115 .015

TIV -1.59 x 10-6 .000 -1.352 -.060 .177

Model Summary: R2 = 0.076, R = .275, F(1,494) = 6.645. Overall Model *p* < .001.

**Table S8:**

***Regression Analyses with PCL-R Factor Scores and Covariates Predicting CC Central Volume***

*Predictor B SE B t β Sig.*

PCL-R Factor 1 -.237 .046 -5.176 -.242 < .001

PCL-R Factor 2 .026 .038 0.675 .034 .500  
Age .044 .033 1.325 .058 .186

IQ .012 .012 0.989 .044 .323

Subs.Use. .123 .051 2.396 .113 .017

TIV -1.52 x 10-6 .000 -1.383 -.062 .167

Model Summary: R2 = 0.075, R = .274, F(1,494) = 6.583. Overall Model *p* < .001.

**Table S9:**

***Regression Analyses with PCL-R Factor Scores and Covariates Predicting CC Mid Anterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Factor 1 -.178 .039 -4.543 -.214 < .001

PCL-R Factor 2 .034 .033 1.019 .051 .309  
Age .037 .029 1.282 .056 .200

IQ .013 .010 1.254 .056 .210

Subs.Use. .076 .044 1.735 .082 .083

TIV -1.99 x 10-6 .000 -2.108 -.095 .036

Model Summary: R2 = 0.062, R = .250, F(1,494) = 5.418. Overall Model *p* < .001.

**Table S10:**

***Regression Analyses with PCL-R Factor Scores and Covariates Predicting CC Anterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Factor 1 -.136 .033 -4.142 -.196 < .001

PCL-R Factor 2 .007 .028 0.260 .013 .795  
Age .033 .024 1.370 .061 .171

IQ .006 .009 0.742 .033 .459

Subs.Use. .047 .037 1.284 .061 .200

TIV -1.34 x 10-6 .000 -1.700 -.077 .090

Model Summary: R2 = 0.050, R = .224, F(1,494) = 4.286. Overall Model *p* < .001.

**Regression Analyses with PCL-R Facet Scores**

**Table S11:**

***Regression Analyses with PCL-R Facet Scores and Covariates Predicting CC Posterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Facet 1 -.101 .089 -1.140 -.057 .255

PCL-R Facet 2 -.361 .087 -4.142 -.206 < .001

PCL-R Facet 3 -.075 .074 -1.013 -.051 .312

PCL-R Facet 4 .150 .065 2.327 .111 .020  
Age .049 .035 1.395 .060 .164

IQ .019 .012 1.505 .066 .133

Subs.Use. .124 .054 2.301 .108 .022

TIV -2.36 x 10-6 .000 -2.045 -.091 .041

Model Summary: R2 = 0.098, R = .313, F(1,494) = 6.591. Overall Model *p* < .001.

**Table S12:**

***Regression Analyses with PCL-R Facet Scores and Covariates Predicting CC Mid Posterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Facet 1 -.121 .091 -1.333 -.068 .183

PCL-R Facet 2 -.323 .089 -3.628 -.182 < .001

PCL-R Facet 3 -.079 .076 -1.042 -.053 .298

PCL-R Facet 4 .119 .066 1.796 .087 .073  
Age .049 .036 1.362 .059 .174

IQ .021 .013 1.666 .074 .096

Subs.Use. .137 .055 2.491 .117 .013

TIV -1.40 x 10-6 .000 -1.189 -.053 .235

Model Summary: R2 = 0.084, R = .290, F(1,494) = 5.565. Overall Model *p* < .001.

**Table S13:**

***Regression Analyses with PCL-R Facet Scores and Covariates Predicting CC Central Volume***

*Predictor B SE B t β Sig.*

PCL-R Facet 1 -.096 .085 -1.133 -.057 .258

PCL-R Facet 2 -.335 .083 -4.034 -.201 < .001

PCL-R Facet 3 -.106 .071 -1.497 -.076 .135

PCL-R Facet 4 .126 .062 2.042 .098 .042  
Age .039 .033 1.163 .051 .245

IQ .010 .012 0.806 .036 .421

Subs.Use. .121 .051 2.368 .111 .018

TIV -1.28 x 10-6 .000 -1.166 -.052 .244

Model Summary: R2 = 0.089, R = .299, F(1,494) = 5.967. Overall Model *p* < .001.

**Table S14:**

***Regression Analyses with PCL-R Facet Scores and Covariates Predicting CC Mid Anterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Facet 1 -.083 .073 -1.141 -.058 .254

PCL-R Facet 2 -.242 .071 -3.393 -.171 .001

PCL-R Facet 3 -.058 .061 -0.952 -.049 .341

PCL-R Facet 4 .099 .053 1.862 .090 .063  
Age .033 .029 1.142 .050 .254

IQ .011 .010 1.097 .049 .273

Subs.Use. .077 .044 1.743 .083 .082

TIV -1.83 x 10-6 .000 -1.932 -.087 .054

Model Summary: R2 = 0.071, R = .266, F(1,494) = 4.643. Overall Model *p* < .001.

**Table S15:**

***Regression Analyses with PCL-R Facet Scores and Covariates Predicting CC Anterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Facet 1 -.085 .061 -1.389 -.072 .165

PCL-R Facet 2 -.175 .060 -2.917 -.148 .004

PCL-R Facet 3 -.023 .051 -0.442 -.023 .659

PCL-R Facet 4 .023 .044 0.520 .025 .604  
Age .031 .024 1.310 .058 .191

IQ .006 .009 0.654 .030 .514

Subs.Use. .048 .037 1.296 .062 .196

TIV -1.30 x 10-6 .000 -1.639 -.075 .102

Model Summary: R2 = 0.052, R = .229, F(1,494) = 3.350. Overall Model *p* = .001.

**Analyses with Right Handed Subjects only (*n* = 414)**

**Regression Analyses with PCL-R Total Score**

**Table S16:**

***Right Handers, Regression with PCL-R Total Score and Covariates Predicting CC Posterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Total -.092 .027 -3.383 -.168 .001  
Age .031 .039 0.790 .038 .430

IQ .015 .014 1.066 .052 .287

Subs.Use. .205 .058 3.520 .175 < .001

TIV -2.84 x 10-6 .000 -2.179 -.107 .030

Model Summary: R2 = 0.056, R = .236, F(1,413) = 4.827. Overall Model *p* < .001.

**Table S17:**

***Right Handers, Regression with PCL-R Total Score and Covariates Predicting CC Mid Posterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Total -.086 .028 -3.108 -.155 .002  
Age .033 .040 0.835 .040 .404

IQ .021 .014 1.454 .072 .147

Subs.Use. .200 .059 3.391 .169 .001

TIV -1.91 x 10-6 .000 -1.442 -.071 .150

Model Summary: R2 = 0.049, R = .220, F(1,413) = 4.164. Overall Model *p* < .001.

**Table S18:**

***Right Handers, Regression with PCL-R Total Score and Covariates Predicting CC Central Volume***

*Predictor B SE B t β Sig.*

PCL-R Total -.093 .025 -3.651 -.182 < .001  
Age .022 .037 0.612 .030 .541

IQ .012 .013 0.882 .043 .378

Subs.Use. .183 .055 3.363 .167 .001

TIV -1.17 x 10-6 .000 -0.953 -.047 .341

Model Summary: R2 = 0.050, R = .222, F(1,413) = 4.250. Overall Model *p* < .001.

**Table S19:**

***Right Handers, Regression with PCL-R Total Score and Covariates Predicting CC Mid Anterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Total -.069 .022 -3.127 -.157 .002  
Age .028 .032 0.888 .043 .375

IQ .009 .012 0.741 .037 .459

Subs.Use. .123 .047 2.617 .131 .009

TIV -1.75 x 10-6 .000 -1.659 -.082 .098

Model Summary: R2 = 0.039, R = .197, F(1,413) = 3.302. Overall Model *p* = .006.

**Table S20:**

***Right Handers, Regression with PCL-R Total Score and Covariates Predicting CC Anterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Total -.061 .018 -3.324 -.167 .001  
Age .030 .027 1.121 .055 .263

IQ .006 .010 0.622 .031 .534

Subs.Use. .078 .039 1.979 .099 .048

TIV -1.15 x 10-6 .000 -1.305 -.065 .192

Model Summary: R2 = 0.035, R = .188, F(1,413) = 3.000. Overall Model *p* = .011.

**Table S21:**

***Right Handers, Regression with PCL-R Total Score and Covariates Predicting CC Total Volume***

*Predictor B SE B t β Sig.*

PCL-R Total -.400 .109 -3.658 -.182 < .001  
Age .144 .158 0.915 .044 .360

IQ .062 .057 1.089 .053 .277

Subs.Use. .790 .234 3.368 .167 .001

TIV -8.82 x 10-6 .000 -1.678 -.082 .094

Model Summary: R2 = 0.054, R = .233, F(1,413) = 4.687. Overall Model *p* < .001.

**Regression Analyses with PCL-R Factor Scores**

**Table S22:**

***Right Handers, Regression with PCL-R Factor Scores and Covariates Predicting CC Posterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Factor 1 -.281 .055 -5.131 -.263 < .001

PCL-R Factor 2 .054 .045 1.214 .067 .225  
Age .035 .038 0.899 .043 .369

IQ .018 .014 1.268 .061 .206

Subs.Use. .146 .060 2.451 .125 .015

TIV -2.31 x 10-6 .000 -1.796 -.087 .073

Model Summary: R2 = 0.090, R = .299, F(1,413) = 6.679. Overall Model *p* < .001.

**Table S23:**

***Right Handers, Regression with PCL-R Factor Scores and Covariates Predicting CC Mid Posterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Factor 1 -.265 .056 -4.756 -.245 < .001

PCL-R Factor 2 .048 .045 1.051 .058 .294  
Age .037 .039 0.934 .045 .351

IQ .023 .014 1.645 .080 .101

Subs.Use. .147 .061 2.426 .124 .016

TIV -1.42 x 10-6 .000 -1.085 -.053 .279

Model Summary: R2 = 0.079, R = .281, F(1,413) = 5.795. Overall Model *p* < .001.

**Table S24:**

***Right Handers, Regression with PCL-R Factor Scores and Covariates Predicting CC Central Volume***

*Predictor B SE B t β Sig.*

PCL-R Factor 1 -.261 .051 -5.072 -.261 < .001

PCL-R Factor 2 .026 .042 0.612 .034 .541  
Age .025 .036 0.690 .033 .491

IQ .014 .013 1.051 .051 .294

Subs.Use. .138 .056 2.458 .126 .014

TIV -7.09 x 10-7 .000 -0.588 -.029 .557

Model Summary: R2 = 0.081, R = .285, F(1,413) = 5.982. Overall Model *p* < .001.

**Table S25:**

***Right Handers, Regression with PCL-R Factor Scores and Covariates Predicting CC Mid Anterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Factor 1 -.197 .045 -4.415 -.230 < .001

PCL-R Factor 2 .028 .036 0.770 .043 .442  
Age .030 .031 0.968 .047 .334

IQ .010 .011 0.893 .044 .373

Subs.Use. .085 .049 1.751 .090 .081

TIV -1.39 x 10-6 .000 -1.329 -.065 .185

Model Summary: R2 = 0.063, R = .251, F(1,413) = 4.555. Overall Model *p* < .001.

**Table S26:**

***Right Handers, Regression with PCL-R Factor Scores and Covariates Predicting CC Anterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Factor 1 -.147 .038 -3.920 -.205 < .001

PCL-R Factor 2 .000 .031 -0.014 -.001 .988  
Age .030 .026 1.157 .056 .248

IQ .007 .010 0.716 .035 .474

Subs.Use. .055 .041 1.355 .070 .176

TIV -9.07 x 10-7 .000 -1.031 -.051 .303

Model Summary: R2 = 0.051, R = .227, F(1,413) = 3.668. Overall Model *p* = .001.

**Table S27:**

***Right Handers, Regression with PCL-R Factor Scores and Covariates Predicting CC Total Volume***

*Predictor B SE B t β Sig.*

PCL-R Factor 1 -1.152 .221 -5.210 -.267 < .001

PCL-R Factor 2 .155 .180 0.862 .047 .389  
Age .157 .155 1.101 .048 .313

IQ .072 .057 1.276 .062 .203

Subs.Use. .571 .240 2.376 .121 .018

TIV -6.73 x 10-6 .000 -1.299 -.063 .195

Model Summary: R2 = 0.087, R = .296, F(1,413) = 6.496. Overall Model *p* < .001.

**Regression Analyses with PCL-R Facet Scores**

**Table S28:**

***Right Handers, Regression with PCL-R Facet Scores and Covariates Predicting CC Posterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Facet 1 -.123 .102 -1.209 -.067 .227

PCL-R Facet 2 -.391 .096 -4.080 -.220 < .001

PCL-R Facet 3 -.044 .083 -0.532 -.030 .595

PCL-R Facet 4 .097 .072 1.349 .072 .178  
Age .028 .039 0.722 .034 .178

IQ .016 .014 1.166 .056 .244

Subs.Use. .151 .060 2.532 .129 .012

TIV -2.30 x 10-6 .000 -1.772 -.086 .077

Model Summary: R2 = 0.097, R = .311, F(1,413) = 5.418. Overall Model *p* < .001.

**Table S29:**

***Right Handers, Regression with PCL-R Facet Scores and Covariates Predicting CC Mid Posterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Facet 1 -.108 .104 -1.035 -.057 .301

PCL-R Facet 2 -.369 .097 -3.784 -.205 < .001

PCL-R Facet 3 -.052 .084 -0.617 -.035 .537

PCL-R Facet 4 .077 .074 1.050 .057 .294  
Age .030 .039 0.768 .037 .443

IQ .022 .014 1.544 .075 .123

Subs.Use. .156 .061 2.569 .132 .011

TIV -1.49 x 10-6 .000 -1.098 -.054 .273

Model Summary: R2 = 0.085, R = .291, F(1,413) = 4.685. Overall Model *p* < .001.

**Table S30:**

***Right Handers, Regression with PCL-R Facet Scores and Covariates Predicting CC Central Volume***

*Predictor B SE B t β Sig.*

PCL-R Facet 1 -.108 .096 -1.128 -.062 .260

PCL-R Facet 2 -.361 .090 -4.027 -.217 < .001

PCL-R Facet 3 -.103 .078 -1.330 -.074 .184

PCL-R Facet 4 .102 .068 1.502 .080 .134  
Age .017 .036 0.478 .023 .633

IQ .013 .013 0.973 .047 .331

Subs.Use. .140 .056 2.501 .128 .013

TIV -6.20 x 10-7 .000 -0.511 -.025 .609

Model Summary: R2 = 0.094, R = .306, F(1,413) = 5.228. Overall Model *p* < .001.

**Table S31:**

***Right Handers, Regression with PCL-R Facet Scores and Covariates Predicting CC Mid Anterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Facet 1 -.083 .083 -0.994 -.056 .321

PCL-R Facet 2 -.276 .078 -3.539 -.194 < .001

PCL-R Facet 3 -.038 .068 -0.569 -.032 .570

PCL-R Facet 4 .052 .059 0.882 .048 .378  
Age .026 .031 0.826 .040 .409

IQ .009 .011 0.806 .039 .421

Subs.Use. .090 .049 1.839 .095 .067

TIV -1.41 x 10-6 .000 -1.333 -.066 .183

Model Summary: R2 = 0.069, R = .261, F(1,413) = 3.725. Overall Model *p* < .001.

**Table S32:**

***Right Handers, Regression with PCL-R Facet Scores and Covariates Predicting CC Anterior Volume***

*Predictor B SE B t β Sig.*

PCL-R Facet 1 -.072 .070 -1.031 -.058 .303

PCL-R Facet 2 -.206 .066 -3.136 -.173 .002

PCL-R Facet 3 -.020 .057 -0.358 -.020 .720

PCL-R Facet 4 -.002 .050 -0.039 -.002 .969  
Age .029 .026 1.098 .053 .273

IQ .006 .010 0.656 .032 .512

Subs.Use. .058 .041 1.407 .073 .160

TIV -9.72 x 10-7 .000 -1.094 -.055 .275

Model Summary: R2 = 0.055, R = .234, F(1,413) = 2.943. Overall Model *p* = .003.

**Table S33:**

***Right Handers, Regression with PCL-R Facet Scores and Covariates Predicting CC Total Volume***

*Predictor B SE B t β Sig.*

PCL-R Facet 1 -.494 .412 -1.200 -.066 .231

PCL-R Facet 2 -1.603 .386 -4.153 -.224 < .001

PCL-R Facet 3 -.258 .334 -0.773 -.043 .440

PCL-R Facet 4 .326 .291 1.120 .060 .263  
Age .130 .155 0.838 .040 .403

IQ .067 .056 1.180 .057 .239

Subs.Use. .595 .241 2.469 .126 .014

TIV -6.75 X 10-6 .000 -1.292 -.063 .197

Model Summary: R2 = 0.096, R = .309, F(1,413) = 5.348. Overall Model *p* < .001.